

# FORD TOURNEO CUSTOM / TRANSIT CUSTOM Owner's Manual





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Part Number: CG3900en 202102 20210224095707



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# Introduction

## ACKNOWLEDGMENTS

Your vehicle could have components that use open source software. For additional information, visit <http://corporate.ford.com/ford-open-source.html>.

## ABOUT THIS MANUAL

Thank you for choosing Ford. We recommend that you take some time to get to know your vehicle by reading this manual. The more that you know about your vehicle, the greater the safety and pleasure you will get from driving it.



**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

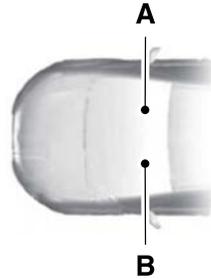
**Note:** *This manual describes product features and options available throughout the range of available models, sometimes even before they are generally available. It may describe options not fitted to the vehicle you have purchased.*

**Note:** *Some of the illustrations in this manual may show features as used in different models, so may appear different to you on your vehicle.*

**Note:** *Always use and operate your vehicle in line with all applicable laws and regulations.*

**Note:** *Pass on this manual when selling your vehicle. It is an integral part of your vehicle.*

This manual may qualify the location of a component as left-hand side or right-hand side. The side is determined when facing forward in the seat.



- A Right-hand side.
- B Left-hand side.

## SYMBOLS GLOSSARY

These are some of the symbols you may see on your vehicle.



Safety alert.



See the Owner's Manual.



Air conditioning system.



Anti-lock braking system.



Avoid smoking, flames or sparks.

# Introduction



Battery.



Battery acid.



Brake fluid level.



Brake system.



Brake failure.



Cabin air filter.



Check fuel cap.



Child safety door lock.



Child safety door unlock.



Child seat lower anchor.



Child seat tether anchor.



Cruise control.



Do not open when hot.



Electronic power steering malfunction.



Engine air filter.



Engine coolant.



Engine coolant temperature.



Engine oil.



Explosive gas.



Fan warning.



Fasten seatbelt.



Front airbag.



Front fog lamps.



Fuel pump reset.



Fuse compartment.



Hazard warning flashers.



Heated rear window.



Heated windshield.



Interior luggage compartment release.



Jack.

# Introduction



Keep out of reach of children.



Lighting control.



Low tire pressure warning.



Maintain correct fluid level.



Panic alarm.



Parking aid.



Parking brake.



Power steering fluid.



Power windows.



Power window lockout.



Malfunction indicator lamp (MIL).



Service engine soon.



Side airbag.



Shield the eyes.



Stability control.



Windshield wash and wipe.

## REACH

We are committed to promoting the responsible manufacturing, handling and use of our products and support the underlying goals of **REACH**, a European Union regulation that concerns the registration, evaluation, authorisation and restriction of chemicals.

We specifically support Regulation EC 1907/2006 Article 33(1) that relates to substances of very high concern which appear on the current list for authorisation.

If these substances do exist in a product, it is important to guarantee their safe use so the regulation is designed to enable you to take any appropriate risk management measures.

To find out more about the **REACH** directive, search **REACH** on the local Ford website.

**Note:** To find the local Ford website, visit <https://corporate.ford.com/operations/locations/global-links.html>.

## REPLACEMENT PARTS RECOMMENDATION

We have built your vehicle to the highest standards using quality parts. We recommend that you demand the use of genuine Ford and Motorcraft parts whenever your vehicle requires scheduled maintenance or repair. You can clearly identify genuine Ford and Motorcraft parts by looking for the Ford, FoMoCo or Motorcraft branding on the parts or their packaging.

# Introduction

## Scheduled Maintenance and Mechanical Repairs

One of the best ways for you to make sure that your vehicle provides years of service is to have it maintained in line with our recommendations using parts that conform to the specifications detailed in this Owner's Manual.

Genuine Ford and Motorcraft parts meet or exceed these specifications.

## Collision Repairs

We hope that you never experience a collision, but accidents happen sometimes.

Genuine Ford replacement collision parts meet our stringent requirements for fit, finish, structural integrity, corrosion protection and dent resistance. During vehicle development we validate that these parts deliver the intended level of protection as a whole system. A great way to know for sure you are getting this level of protection is to use genuine Ford replacement collision parts.

## Warranty on Replacement Parts

Genuine Ford and Motorcraft replacement parts are the only replacement parts that benefit from a Ford Warranty.

The Ford Warranty may not cover damage caused to your vehicle as a result of failed non-Ford parts.

For additional information, refer to the terms and conditions of the Ford Warranty.

## SPECIAL NOTICES

If converting or modifying your vehicle from production specification, refer to the Body and Equipment Mounting Manual at [www.etis.ford.com/BEMM](http://www.etis.ford.com/BEMM).

## MOBILE COMMUNICATIONS EQUIPMENT



**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Using mobile communications equipment is becoming increasingly important in the conduct of business and personal affairs. However, you must not compromise your own or others' safety when using such equipment. Mobile communications can enhance personal safety and security when appropriately used, particularly in emergency situations. Safety must be paramount when using mobile communications equipment to avoid negating these benefits. Mobile communication equipment includes, but is not limited to, cellular phones, pagers, portable email devices, text messaging devices and portable two-way radios.

# Data Privacy



**WARNING:** Do not connect wireless plug-in devices to the data link connector. Unauthorized third parties could gain access to vehicle data and impair the performance of safety related systems. Only allow repair facilities that follow our service and repair instructions to connect their equipment to the data link connector.

We respect your privacy and are committed to protecting it. The information contained in this manual was correct at the time of publication, but as technology rapidly changes, we recommend that you visit the local Ford website for the latest information.

Your vehicle has electronic control units that have data recording functionality and the ability to permanently or temporarily store data. This data could include information on the condition and status of your vehicle, vehicle maintenance requirements, events and malfunctions. The types of data that can be recorded are described in this section. Some of the data recorded is stored in event logs or error logs.

**Note:** *Error logs are reset following a service or repair.*

**Note:** *We may provide information in response to requests from law enforcement, other government authorities and third parties acting with lawful authority or through a legal process. Such information could be used by them in legal proceedings.*

Data recorded includes, for example:

- Operating states of system components, for example fuel level, tire pressure and battery charge level.
- Vehicle and component status, for example wheel speed, deceleration, lateral acceleration and seatbelt status.

- Events or errors in essential systems, for example headlamps and brakes.
- System responses to driving situations, for example airbag deployment and stability control.
- Environmental conditions, for example temperature.

Some of this data, when used in combination with other information, for example an accident report, damage to a vehicle or eyewitness statements, could be associated with a specific person.

## Services That We Provide

If you use our services, we collect and use data, for example account information, vehicle location and driving characteristics, that could identify you. We transmit this data through a dedicated, protected connection. We only collect and use data to enable your use of our services to which you have subscribed, with your consent or where permitted by law. For additional information, see the terms and conditions of the services to which you have subscribed.

For additional information about our privacy policy, refer to the local Ford website.

## Services That Third Parties Provide

We recommend that you review the terms and conditions and data privacy information for any services equipped with your vehicle or to which you subscribe. We take no responsibility for services that third parties provide.

# Data Privacy

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## SERVICE DATA

Our dealers collect service data through the data link connector in your vehicle. They use service data, for example error logs, to help them if you take your vehicle for repair. They share this data with our technical team, if required, to help with diagnosis. In addition to using the information for diagnosis and repair, we use and share service data with our service providers, for example parts suppliers, where required and where permitted by law, for continuous improvement or with other information that we have about you, for example your contact information, to offer you products and services that may be of interest to you according to your preferences and where allowed by law. Our service providers are equally required by law to protect your data and retain it in accordance with data retention policies.

**Note:** *Third party repair facilities can also collect service data through the data link connector.*

## EVENT DATA

This vehicle is equipped with an event data recorder. The main purpose of an event data recorder is to record, in certain crash or near crash-like situations, such as an airbag deployment or hitting a road obstacle; this data will assist in understanding how a vehicle's systems performed. The event data recorder is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less.

The event data recorder in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating.
- Whether or not the driver and passenger seatbelts were buckled/fastened.
- How far (if at all) the driver was depressing the accelerator and/or the brake pedal.
- How fast the vehicle was traveling.
- Where the driver was positioning the steering wheel.

This data can help provide a better understanding of the circumstances in which crashes and injuries occur.

**Note:** *Event data recorder data is recorded by your vehicle only if a non-trivial crash situation occurs; no data is recorded by the event data recorder under normal driving conditions and no personal data or information (for example name, gender, age, and crash location) is recorded. However, parties, such as law enforcement, could combine the event data recorder data with the type of personally identifying data routinely acquired during a crash investigation.*

To read data recorded by an event data recorder, special equipment is required, and access to the vehicle or the event data recorder is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have such special equipment, can read the information if they have access to the vehicle or the event data recorder.

# Data Privacy

## SETTINGS DATA

Your vehicle has electronic control units that have the ability to store data based on your personalized settings. The data is stored locally in the vehicle or on devices that you connect to it, for example, a USB drive or digital music player. You can delete some of this data and also choose whether to share it through the services to which you subscribe. See **Settings** (page 433).

## Comfort and Convenience Data

Data recorded includes, for example:

- Seat and steering wheel position.
- Climate control settings.
- Radio presets.

## Entertainment Data

Data recorded includes, for example:

- Music, videos or album art.
- Contacts and corresponding address book entries.
- Navigation destinations.

## CONNECTED VEHICLE DATA



The modem has a SIM. The modem was enabled when your vehicle was built and periodically sends messages to stay connected to the cell phone network, receive automatic software updates and send vehicle-related information to us, for example diagnostic information. These messages could include information that identifies your vehicle, the SIM and the electronic serial number of the modem. Cell phone network service providers could have access to additional information, for example cell phone network tower identification. For additional information about our privacy policy, visit [www.FordConnected.com](http://www.FordConnected.com) or refer to your local Ford website.

**Note:** *The modem continues to send this information unless you disable the modem or stop the modem from sharing vehicle data by changing the modem settings. See **Connected Vehicle** (page 395).*

**Note:** *The service can be unavailable or interrupted for a number of reasons, for example environmental or topographical conditions and data plan coverage.*

**Note:** *To find out if your vehicle has a modem, visit [www.FordConnected.com](http://www.FordConnected.com).*

## MOBILE DEVICE DATA

If you connect a mobile device to your vehicle, you can display data from your device on the touchscreen for example, music and album art. You can share your vehicle data with mobile apps on your device through the system. See **Apps** (page 432).

The mobile apps function operates by your connected device sending data to us in the United States. The data is encrypted and includes, for example, the vehicle identification number of your vehicle, the SYNC module serial number, odometer, enabled apps, usage statistics and debugging information. We retain it only as long as necessary to provide the service, to troubleshoot, for continuous improvement and to offer you products and services that may be of interest to you according to your preferences and where allowed by law.

If you connect a cell phone to the system, the system creates a profile that links to that cell phone. The cell phone profile enables more mobile features and efficient operation. The profile contains, for example data from your phonebook, read and unread text messages and call history, including history of calls when your cell phone was not connected to the system.

# Data Privacy

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If you connect a media device, the system creates and retains a media device index of supported media content. The system also records a short diagnostic log of approximately 10 minutes of all recent system activity.

The cell phone profile, media device index and diagnostic log remain in your vehicle unless you delete them and are generally accessible only in your vehicle when you connect your cell phone or media device. If you no longer plan to use the system or your vehicle, we recommend you use the master reset function to erase the stored information. See **Settings** (page 433).

System data cannot be accessed without special equipment and access to your vehicle's module.

For additional information about our privacy policy, refer to the local Ford website.

**Note:** *To find out if your vehicle has connectivity technology, visit [www.FordConnected.com](http://www.FordConnected.com).*

## EMERGENCY CALL SYSTEM DATA

When the emergency call system is active, it may disclose to emergency services that your vehicle has been in a crash involving the deployment of an airbag or activation of the fuel pump shut-off. Certain versions or updates to the emergency call system may also be capable of electronically or verbally disclosing to emergency services operators your vehicle location or other details about your vehicle or crash to assist emergency services operators to provide the most appropriate emergency services. If you do not want to disclose this information, do not activate the emergency call system.

**Note:** *You cannot deactivate emergency call systems that are required by law.*

# Environment

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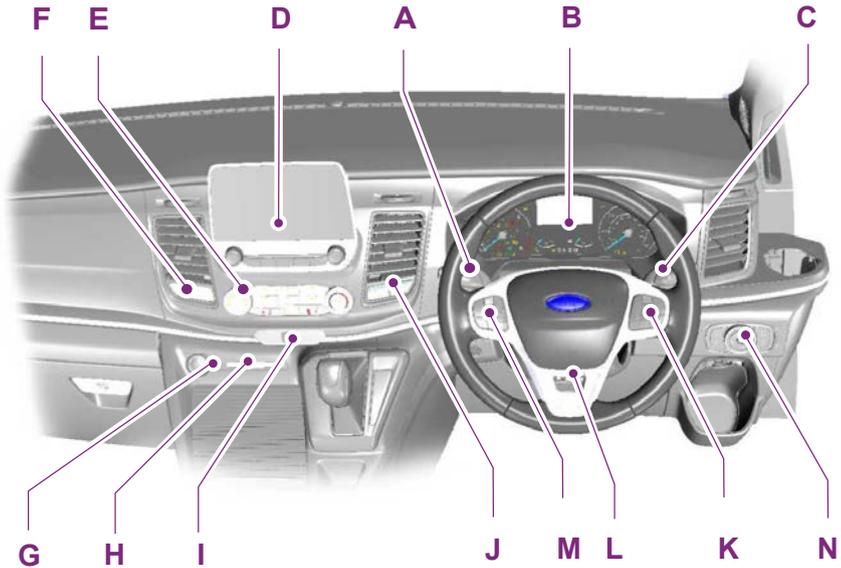
## **PROTECTING THE ENVIRONMENT**

You should play your part in protecting the environment. Correct vehicle usage and the authorized disposal of waste, cleaning and lubrication materials are significant steps toward this aim.

For additional information about our sustainability progress and initiatives, visit [www.sustainability.ford.com](http://www.sustainability.ford.com).

# At a Glance

## INSTRUMENT PANEL - RHD

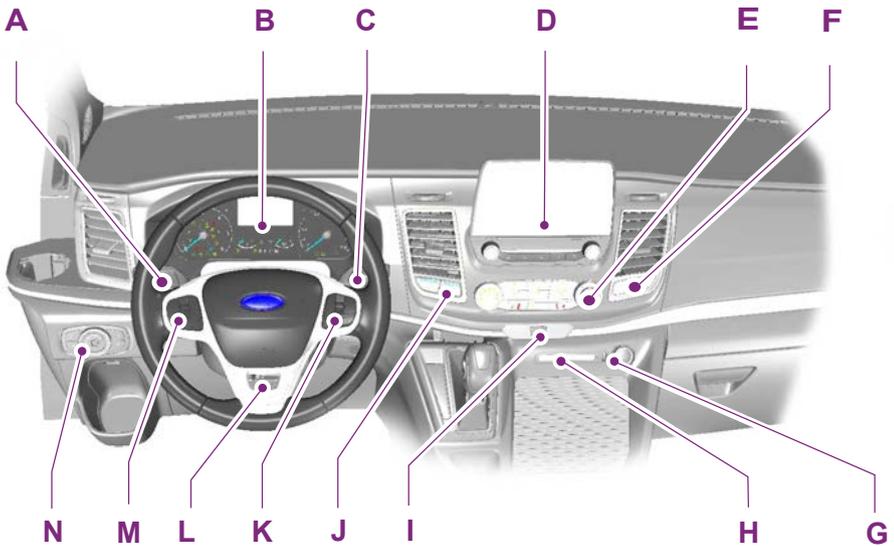


- A Direction indicator lever. See **Direction Indicators** (page 72).
- B Instrument cluster. See **Instrument Cluster** (page 79).
- C Wiper lever. See **Wipers and Washers** (page 64).
- D Audio unit. See **Audio System** (page 400).
- E Climate control. See **Climate Control** (page 102).
- F Fuel filler door release button. See **Refueling** (page 156). Auto-Start-Stop button.
- G Auxiliary power point. USB port. See **Auxiliary Power Points** (page 128).
- H Passenger airbag deactivation indicator. See **Switching the Passenger Airbag On and Off** (page 39).
- I Hazard flasher switch. See **Hazard Flashers** (page 257).
- J Parking aid button. See **Parking Aids** (page 193). Active park assist button. See **Active Park Assist** (page 199). Drive control button. See **Drive Control** (page 237).
- K Information display controls. See **General Information** (page 88).

# At a Glance

- L Steering wheel adjustment lever. See **Adjusting the Steering Wheel** (page 63).
- M Cruise control buttons. See **Using Cruise Control** (page 205).
- N Lighting control. See **Lighting Control** (page 67).

## INSTRUMENT PANEL - LHD



- A Direction indicator lever. See **Direction Indicators** (page 72).
- B Instrument cluster. See **Instrument Cluster** (page 79).
- C Wiper lever. See **Wipers and Washers** (page 64).
- D Audio unit. See **Audio System** (page 400).
- E Climate control. See **Climate Control** (page 102).
- F Fuel filler door release button. See **Refueling** (page 156). Auto-Start-Stop button.
- G Auxiliary power point. USB port. See **Auxiliary Power Points** (page 128).

## At a Glance

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- H Passenger airbag deactivation indicator. See **Switching the Passenger Airbag On and Off** (page 39).
- I Hazard flasher switch. See **Hazard Flashers** (page 257).
- J Parking aid button. See **Parking Aids** (page 193). Active park assist button. See **Active Park Assist** (page 199). Drive control button. See **Drive Control** (page 237).
- K Information display controls. See **General Information** (page 88).
- L Steering wheel adjustment lever. See **Adjusting the Steering Wheel** (page 63).
- M Cruise control buttons. See **Using Cruise Control** (page 205).
- N Lighting control. See **Lighting Control** (page 67).

# Child Safety

## INSTALLING CHILD RESTRAINTS



E133140



**WARNING:** Extreme Hazard! Never use a rearward facing child restraint on a seat protected by an active airbag in front of it. Death or serious injury to the child can occur.

**WARNING:** You must switch the passenger airbag off when using a rearward facing child restraint on the front seat.

**WARNING:** You must switch the passenger airbag on following the removal of the child restraint.

**WARNING:** Secure children that are less than 150 cm (60 in) tall in an approved child restraint on the rear seat.

**WARNING:** Read and follow the manufacturer's instructions when you are installing a child restraint.

**WARNING:** Do not modify child restraints in any way.

**WARNING:** Do not hold a child on your lap when your vehicle is moving.

**WARNING:** Do not leave children or pets unattended in your vehicle. Failure to follow this instruction could result in personal injury or death.

**WARNING:** If your vehicle has been involved in a crash, have the child restraints checked.

Only child restraints certified to ECE-R129 or ECE-R44.03 (or later) have been tested and approved for use in your vehicle. A choice of these are available from an authorized dealer.

**Note:** Mandatory use of child restraints varies from country to country.

## Child Restraints for Different Mass Groups

Use the correct child restraint as follows:

# Child Safety

## Rearward Facing Baby Safety Seat



Secure children that weigh less than 13 kg (29 lb) in a rearward facing baby safety seat (Group 0+) on the front seat.

## Child Safety Seat



Secure children that weigh between 13 kg (29 lb) and 18 kg (40 lb) in a child safety seat (Group 1) on the front seat.

## Booster Seats

**WARNING:** Do not install a booster seat or a booster cushion with only the lap strap of the seatbelt.

**WARNING:** Do not install a booster seat or a booster cushion with a seatbelt that is slack or twisted.

**WARNING:** Do not put the shoulder section of the seatbelt or allow the child to put the shoulder section of the seatbelt under their arm or behind their back. Failure to follow this instruction could reduce the effectiveness of the seatbelt and increase the risk of injury or death in a crash.

**WARNING:** Do not use pillows, books or towels to boost your child's height. Failure to follow this instruction could result in personal injury or death.

**WARNING:** Make sure that your children sit in an upright position.

**WARNING:** When using a child restraint on a rear seat, the child restraint must rest tightly against the vehicle seat. It must not touch the head restraint. If necessary remove the head restraint.

**WARNING:** You must reinstall the head restraint following the removal of the child restraint.

Secure children that weigh greater than 15 kg (33 lb) but are less than 150 cm (60 in) tall in a booster seat or on a booster cushion.

# Child Safety

## Booster Seat (Group 2)



We recommend that you use a booster seat that combines a cushion with a backrest instead of a booster cushion only. The raised seating position will allow you to position the shoulder strap of the adult seatbelt over the center of your child's shoulder and the lap strap tightly across their hips.

## Booster Cushion (Group 3)

**WARNING:** When using a booster cushion, make sure you adjust the vehicle head restraint on that seating position.



## ISOFIX Anchor Points

**WARNING:** Use an anti-rotation device when using the ISOFIX system. We recommend the use of a top tether or support leg.

Your vehicle may have ISOFIX anchor points that accommodate universally approved ISOFIX child restraints.



E266092

The ISOFIX system has two rigid attachment arms on the child restraint. These attach to anchor points on the ISOFIX or i-Size labeled vehicle seats, where the cushion and backrest meet.

**Note:** If you are purchasing an ISOFIX child restraint, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations. See **Child Restraint Positioning** (page 30).

# Child Safety

## Attaching a Child Restraint With Top Tethers

 **WARNING:** Do not attach the top tether strap to anything other than the correct top tether strap anchor point.

Always follow the child restraint manufacturer's instructions for installing a child restraint with a top tether.



E147062



E153270

For child restraints with a top tether, tether anchor points are on the underside or rear of the seat backrest of each ISOFIX and i-Size seating position.

## Attaching a Child Restraint With a Support Leg

 **WARNING:** If you use a child restraint that has a support leg, make sure the support leg rests securely on the floor.

 **WARNING:** Make sure that the child restraint manufacturer lists your vehicle as suitable for use with this type of child restraint.

Always follow the child restraint manufacturer's instructions for installing a child restraint with a support leg.

# Child Safety



E162148

## CHILD RESTRAINT POSITIONING - BUS

**WARNING:** Extreme Hazard! Never use a rearward facing child restraint on a seat protected by an active airbag in front of it. Death or serious injury to the child can occur.

**WARNING:** If you use a child restraint that has a support leg, make sure the support leg rests securely on the floor.

**WARNING:** If you use a child restraint and a seatbelt, make sure that the seatbelt is not slack or twisted.

**WARNING:** Make sure the child restraint rests tightly against the vehicle seat. If necessary, adjust the seat backrest to an upright position. It may also be necessary to lift or remove the head restraint.

**WARNING:** You must reinstall the head restraint following the removal of the child restraint.

**Note:** *When using a child restraint on a front seat, always adjust the front passenger seat as far back as possible. If it proves difficult to tighten the lap section of the seatbelt without slack remaining, adjust the seat backrest to the fully upright position and raise the height of the seat. See **Seats** (page 108).*

# Child Safety

Vehicle Seating Positions	Mass Group Categories				
	0	0+	1	2	3
	0–10 kg (0–22 lb)	0–13 kg (0–29 lb)	9–18 kg (20–40 lb)	15–25 kg (33–55 lb)	22–36 kg (49–79 lb)
Front passenger seat with airbag <b>ON.</b>	X	X	UF <sup>1</sup>	UF <sup>1</sup>	UF <sup>1</sup>
Front passenger seat with airbag <b>OFF.</b>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>
Second row seats - forward facing.	U	U	U	U	U
Second row seats - rearward facing. <sup>2</sup>	X	X	X	X	X
Third row seats.	U	U	U	U	U
Fourth row seats.	X	X	X	X	X

<sup>1</sup>We recommend that you secure children in a government approved child restraint, on the rear seat.

<sup>2</sup>Vehicles with second row reversible seats.

**X** Not suitable for children in this mass group.

**U** Suitable for universal category child restraints approved for use in this mass group.

**UF** Suitable for universal category forward facing child restraints approved for use in this mass group.

See an authorized dealer for the latest details relating to our recommended child restraints.

# Child Safety

## ISOFIX Child Restraints

The following table provides information suitable for vehicle seats that have an i-Size or ISOFIX label attached.

Vehicle Seating Positions		Mass Group Categories			
		0	0+	1	1
		Rearward Facing	Rearward Facing	Forward Facing	Rearward Facing
		0–13 kg (0–29 lb)	0–13 kg (0–29 lb)	9–18 kg (20–40lb)	9–18 kg (20–40lb)
Front passenger seat.	Size class. <sup>1</sup>	No ISOFIX.			
	Seat type.				
Second row seats - forward facing - ISOFIX.	Size class. <sup>1</sup>	C, D, E <sup>3</sup>	A, B, B1 <sup>3</sup>	C, D <sup>3</sup>	
	Seat type.	IL	IL, IUF	IL	
Second row seats - rearward facing - ISOFIX. <sup>2</sup>	Size class. <sup>1</sup>	X	X	X	
	Seat type.	X	X	X	
Third row dual seat - ISOFIX.	Size class. <sup>1</sup>	D, E <sup>3</sup>	A, B, B1 <sup>3</sup>	D <sup>3</sup>	
	Seat type.	IL	IL, IUF	IL	
Third row single seats - ISOFIX.	Size class. <sup>1</sup>	C, D, E <sup>3</sup>	A, B, B1 <sup>3</sup>	C, D <sup>3</sup>	
	Seat type.	IL	IL, IUF	IL	

# Child Safety

Vehicle Seating Positions		Mass Group Categories			
		0	0+	1	1
		Rearward Facing	Rearward Facing	Forward Facing	Rearward Facing
		0–13 kg (0–29 lb)	0–13 kg (0–29 lb)	9–18 kg (20–40lb)	9–18 kg (20–40lb)
Fourth row seats.	Size class. <sup>1</sup>	No ISOFIX.			
	Seat type.				

<sup>1</sup> As defined by ECE-R16.

<sup>2</sup> Vehicles with second row reversible seats.

<sup>3</sup> The capital letters A to E define the ISOFIX size class for both universal and semi-universal child restraints systems. You can see the identification letters on ISOFIX child restraints.

**IL** Suitable for use with particular ISOFIX child restraint systems in the semi-universal category. Refer to the child restraint system manufacturer vehicle recommendation list for additional information.

**IUF** Suitable for use with forward facing ISOFIX child restraint systems in the universal category.

**Note:** *If you are purchasing an ISOFIX child restraint, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations.*

See an authorized dealer for the latest details relating to our recommended child restraints.

## Recommended Child Restraints

Mass Group Categories	Manufacturer	Model	Attachment
0+ 0–13 kg (0–29 lb)	Britax Römer.	Baby Safe Plus with ISOFIX base. <sup>1</sup>	ISOFIX base or seatbelt only.
1 9–18 kg (20–40 lb)	Britax Römer.	Duo Plus. <sup>1</sup>	ISOFIX and top tether anchors or seatbelt only.
2 15–25 kg (33–55 lb)	Britax Römer.	KidFix. <sup>1, 2</sup>	ISOFIX and seatbelt or seatbelt only.

# Child Safety

Mass Group Categories	Manufacturer	Model	Attachment
3 22–36 kg (49–79 lb)	Britax Römer.	KidFix. <sup>1, 2</sup>	ISOFIX and seatbelt or seatbelt only.

<sup>1</sup>We recommend that you secure children using an ISOFIX child restraint on the rear outermost seats.

<sup>2</sup>We recommend that you use a booster seat that combines a cushion with a backrest instead of a booster cushion only.

See an authorized dealer for the latest details relating to our recommended child restraints.

## i-Size Child Restraints

**The following table provides information suitable for vehicle seats that have an i-Size label attached.**

Vehicle Seating Positions	i-Size Child Restraint Systems
Front passenger seat.	X
Second row dual seat.	i-U
Second row single seats - forward facing.	i-U
Second row single seats - rearward facing. <sup>1</sup>	X
Third row dual seat.	i-U
Third row single seats.	i-U
Fourth row triple bench seat.	X

<sup>1</sup>Vehicles with second row reversible seats.

**i-U** Suitable for use with forward and rearward facing i-Size child restraint systems.

**X** Not suitable for use with i-Size child restraint systems.

# Child Safety

## CHILD RESTRAINT POSITIONING - VAN

 **WARNING:** Extreme Hazard! Never use a rearward facing child restraint on a seat protected by an active airbag in front of it. Death or serious injury to the child can occur.

 **WARNING:** If you use a child restraint that has a support leg, make sure the support leg rests securely on the floor.

 **WARNING:** If you use a child restraint and a seatbelt, make sure that the seatbelt is not slack or twisted.

 **WARNING:** Make sure the child restraint rests tightly against the vehicle seat. If necessary, adjust the seat backrest to an upright position. It may also be necessary to lift or remove the head restraint.

 **WARNING:** You must reinstall the head restraint following the removal of the child restraint.

**Note:** When using a child restraint on a front seat, always adjust the front passenger seat as far back as possible. If it proves difficult to tighten the lap section of the seatbelt without slack remaining, adjust the seat backrest to the fully upright position and raise the height of the seat. See **Seats** (page 108).

Vehicle Seating Positions	Mass Group Categories				
	0	0+	1	2	3
	0–10 kg (0–22 lb)	0–13 kg (0–29 lb)	9–18 kg (20–40 lb)	15–25 kg (33–55 lb)	22–36 kg (49–79 lb)
Front passenger seat with airbag <b>ON.</b>	X	X	UF <sup>1</sup>	UF <sup>1</sup>	UF <sup>1</sup>
Front passenger seat with airbag <b>OFF.</b>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>	U <sup>1</sup>
Second row seats.	U	U	U	U	U
Third row seats.	U	U	U	U	U

<sup>1</sup> We recommend that you secure children in a government approved child restraint, on the rear seat.

**X** Not suitable for children in this mass group.

**U** Suitable for universal category child restraints approved for use in this mass group.

**UF** Suitable for universal category forward facing child restraints approved for use in this mass group.

See an authorized dealer for the latest details relating to our recommended child restraints.

# Child Safety

## ISOFIX Child Restraints

The following table provides information suitable for vehicle seats that have an i-Size or ISOFIX label attached.

Vehicle Seating Positions		Mass Group Categories			
		0	0+	1	1
		Rearward Facing	Rearward Facing	Forward Facing	Rearward Facing
		0–13 kg (0–29 lb)	0–13 kg (0–29 lb)	9–18 kg (20–40lb)	9–18 kg (20–40lb)
Front passenger seat.	Size class. <sup>1</sup>	No ISOFIX.			
	Seat type.				
Second row seats - ISOFIX.	Size class. <sup>1</sup>	C, D, E <sup>2</sup>	A, B, B1 <sup>2</sup>	C, D <sup>2</sup>	
	Seat type.	IL	IL, IUF	IL	
Third row dual seat - ISOFIX.	Size class. <sup>1</sup>	D, E <sup>2</sup>	A, B, B1 <sup>2</sup>	D <sup>2</sup>	
	Seat type.	IL	IL, IUF	IL	

<sup>1</sup>As defined by ECE-R16.

<sup>2</sup>The capital letters A to E define the ISOFIX size class for both universal and semi-universal child restraints systems. You can see the identification letters on ISOFIX child restraints.

**IL**Suitable for use with particular ISOFIX child restraint systems in the semi-universal category. Refer to the child restraint system manufacturer vehicle recommendation list for additional information.

**IUF**Suitable for use with forward facing ISOFIX child restraint systems in the universal category.

**Note:** *If you are purchasing an ISOFIX child restraint, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations.*

See an authorized dealer for the latest details relating to our recommended child restraints.

# Child Safety

## Recommended Child Restraints

Mass Group Categories	Manufacturer	Model	Attachment
0+ 0–13 kg (0–29 lb)	Britax Römer.	Baby Safe Plus with ISOFIX base. <sup>1</sup>	ISOFIX base or seatbelt only.
1 9–18 kg (20–40 lb)	Britax Römer.	Duo Plus. <sup>1</sup>	ISOFIX and top tether anchors or seatbelt only.
2 15–25 kg (33–55 lb)	Britax Römer.	KidFix. <sup>1, 2</sup>	ISOFIX and seatbelt or seatbelt only.
3 22–36 kg (49–79 lb)	Britax Römer.	KidFix. <sup>1, 2</sup>	ISOFIX and seatbelt or seatbelt only.

<sup>1</sup>We recommend that you secure children using an ISOFIX child restraint on the rear outermost seats.

<sup>2</sup>We recommend that you use a booster seat that combines a cushion with a backrest instead of a booster cushion only.

See an authorized dealer for the latest details relating to our recommended child restraints.

## i-Size Child Restraints

**The following table provides information suitable for vehicle seats that have an i-Size label attached.**

Vehicle Seating Positions	i-Size Child Restraint Systems
Front passenger seat.	X
Second row dual seat.	i-U
Second row triple bench seat.	i-U
Third row dual seat.	i-U

**i-U** Suitable for use with forward and rearward facing i-Size child restraint systems.

**X** Not suitable for use with i-Size child restraint systems.

# Child Safety

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## CHILD SAFETY LOCKS



**WARNING:** You cannot open the rear doors from inside if you have put the child safety locks on.



E176719

A child safety lock is on the rear edge of each rear door. You must set the child safety lock separately on each door.

### **Left-Hand Side**

Turn it counterclockwise to switch the child lock on and clockwise to switch it off.

### **Right-Hand Side**

Turn it clockwise to switch the child lock on and counterclockwise to switch it off.

# Seatbelts

## FASTENING THE SEATBELTS

**WARNING:** Insert the tongue into the buckle until you hear a distinct click. You have not fastened the seatbelt correctly if you do not hear a click.

**WARNING:** Make sure that your seatbelt is securely stored away and is not outside your vehicle when closing the door.



E68586

Pull the seatbelt out steadily. It may lock if you pull it sharply or if your vehicle is on a slope.

Press the red button on the buckle to release the seatbelt. Hold the seatbelt tongue and let it retract completely and smoothly to its stowed position.

## Using Seatbelts During Pregnancy

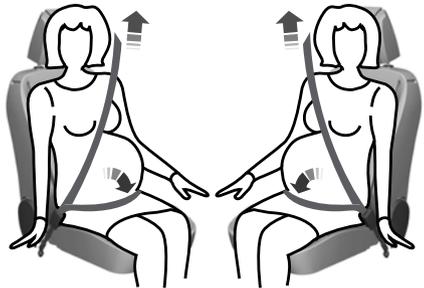
**WARNING:** Position the seatbelt correctly for your safety and that of your unborn child. Do not use only the lap strap or the shoulder strap.



E68584



E68585



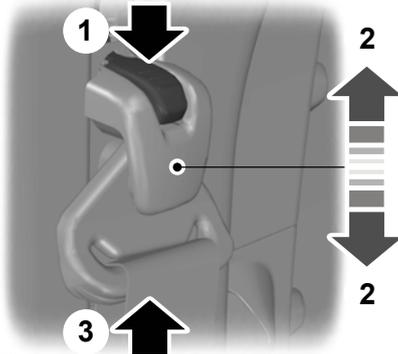
# Seatbelts

Pregnant women should always wear their seatbelt. The lap belt portion of a combination lap and shoulder seatbelt should be positioned low across the hips below the stomach and worn as tight as comfort will allow. The shoulder belt should be positioned to cross the middle of the shoulder and the center of the chest.

## SEATBELT HEIGHT ADJUSTMENT



**WARNING:** Position the seatbelt height adjuster so that the belt rests across the middle of your shoulder. Failure to adjust the seatbelt properly could reduce the effectiveness of the seatbelt and increase the risk of injury in a crash.



E143981

1. Support the seatbelt loop while pressing the adjuster button.
2. Slide the adjuster to the desired position then release the button.
3. Pull down on the seatbelt loop to make sure it is secure in position.

## SEATBELT REMINDER - SHUTTLE BUS

### Fasten Seatbelt Warning Lamp

A warning lamp illuminates if the ignition is on and any of the following occur:

- A front seat is occupied and the seatbelt has not been fastened.
- A rear seatbelt has been recently unfastened.



The warning lamp illuminates until you fasten your seatbelt.

### Fasten Seatbelt Audible Warning

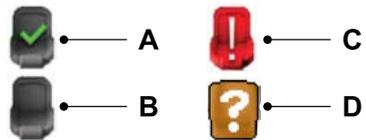
A warning tone sounds if the warning lamp illuminates and your vehicle exceeds a relatively low speed.

The warning tone sounds for up to five minutes or until you fasten your seatbelt.

### Switching the Audible Warning Off

We recommend that you contact an authorized dealer.

### Seatbelt Status



- A Seatbelt fastened.
- B Seatbelt not fastened.
- C Rear seatbelt recently unfastened.
- D Fault.

# Seatbelts

To view the seatbelt status, use the information display controls on the steering wheel to select the following:

Menu Item	Action
Settings	Press the menu button.
Information	Press the <b>OK</b> button.
Seatbelts	Press the <b>OK</b> button.

## Seatbelt Status Information Messages

Message	Description
Rear belt monitor malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

## SEATBELT REMINDER - BUS/ VAN

### Fasten Seatbelt Warning Lamp

A warning lamp illuminates if the ignition is on and any of the following occur:

- A front seat is occupied and the seatbelt has not been fastened.
- A rear seatbelt has been recently unfastened.



The warning lamp illuminates until you fasten your seatbelt.

### Fasten Seatbelt Audible Warning

A warning tone sounds if the warning lamp illuminates and your vehicle exceeds a relatively low speed.

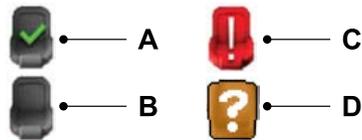
The warning tone sounds for up to five minutes or until you fasten your seatbelt.

**Note:** The warning tone applies only to the front seats.

### Switching the Audible Warning Off

We recommend that you contact an authorized dealer.

### Seatbelt Status



- A Seatbelt fastened.
- B Seatbelt not fastened.
- C Rear seatbelt recently unfastened.
- D Fault.

# Seatbelts

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**To view the seatbelt status, use the information display controls on the steering wheel to select the following:**

<b>Menu Item</b>	<b>Action</b>
Settings	Press the menu button.
Information	Press the <b>OK</b> button.
Seatbelts	Press the <b>OK</b> button.

## **Seatbelt Status Information Messages**

<b>Message</b>	<b>Description</b>
Rear belt monitor malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

# Supplementary Restraints System

## PRINCIPLE OF OPERATION



**WARNING:** Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!



**WARNING:** Do not modify the front of your vehicle in any way. This could adversely affect deployment of the airbags.



**WARNING:** Wear a safety belt and keep sufficient distance between yourself and the steering wheel. Only when you use the safety belt properly, can it hold you in a position that allows the airbag to achieve its optimum effect. See **Sitting in the Correct Position** (page 108).



**WARNING:** Repairs to the steering wheel, steering column, seats, airbags and safety belts must be carried out by an authorized dealer.



**WARNING:** Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers.



**WARNING:** Do not puncture the seat with sharp objects. This could damage and adversely affect deployment of the airbags.



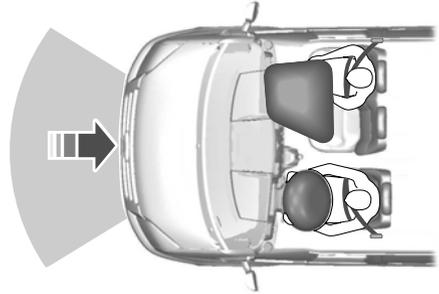
**WARNING:** Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer.

**Note:** You will hear a loud bang and see a cloud of harmless powdery residue if an airbag deploys. This is normal.

**Note:** The front passenger airbag protects both positions of a double seat.

**Note:** Only wipe airbag covers with a damp cloth.

## DRIVER AIRBAG

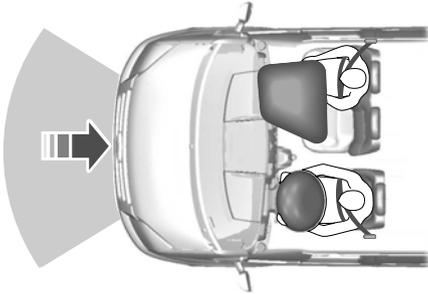


E268726

The airbag is designed to deploy during a significant frontal or near-frontal crash. The airbag inflates within a few thousandths of a second cushioning forward body movement and deflates on contact with the occupant. The airbag is not designed to deploy during a minor frontal crash, rear crash, side crash or a vehicle rollover.

# Supplementary Restraints System

## PASSENGER AIRBAG



E268726

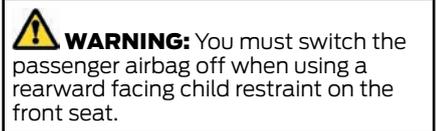
The airbag is designed to deploy during a significant frontal or near-frontal crash. The airbag inflates within a few thousandths of a second cushioning forward body movement and deflates on contact with the occupant. The airbag is not designed to deploy during a minor frontal crash, rear crash, side crash or a vehicle rollover.

## SWITCHING THE PASSENGER AIRBAG ON AND OFF



The passenger airbag on and off indicators are close to the climate control unit.

### Switching the Passenger Airbag Off



1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Passenger airbag**.
4. Select **Off**.
5. Press and hold the **OK** button until a confirmation message appears in the information display.
6. Switch the ignition off and on and check that the passenger airbag off indicator illuminates.

# Supplementary Restraints System

**Note:** If it does not illuminate, this indicates a malfunction. Have your vehicle checked as soon as possible.

## Switching the Passenger Airbag On

**WARNING:** You must switch the passenger airbag on following the removal of the child restraint.

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Passenger airbag**.
4. Select **On**.
5. Press and hold the **OK** button until a confirmation message appears in the information display.
6. Switch the ignition off and on and check that the passenger airbag on indicator illuminates.

**Note:** If it does not illuminate, this indicates a malfunction. Have your vehicle checked as soon as possible.

## SIDE AIRBAGS

**WARNING:** Do not place objects or mount equipment on or near the headliner at the siderail that may come into contact with a deploying curtain airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a crash.

**WARNING:** Do not lean your head on the door. The side airbag could injure you as it deploys from the side of the seatback.

**WARNING:** Accessory seat covers not released by Ford Motor Company could prevent the deployment of the airbags and increase the risk of injuries in a crash.

**WARNING:** Do not attempt to service, repair, or modify the supplementary restraint system or associated components. Failure to follow this instruction could result in personal injury or death.

**WARNING:** If a supplementary restraint system component has deployed, it will not function again. Have the system and associated components inspected as soon as possible. Failure to follow this instruction could result in personal injury or death.



E72658

The side airbags are on the outermost side of each front seat backrest. There is a label attached to the side of each backrest to indicate this.

# Supplementary Restraints System



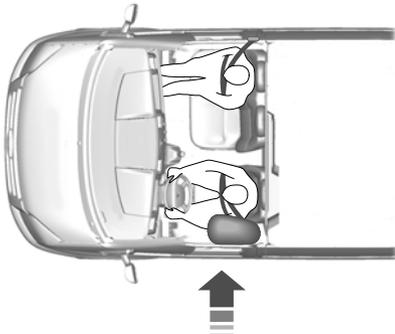
Side curtain airbags are located over both side windows where there are driver and front passenger seats. There are molded badges in the headlining above the side windows to indicate this.

The airbags will deploy during significant lateral collisions. They will also deploy during significant frontal angled collisions. The side curtain airbags will not deploy in minor lateral and frontal collisions, rear collisions or overturns.

The side airbags are designed to inflate between the door panel and the occupant to enhance the protection in certain crashes.

The airbag is designed to deploy during a significant lateral crash. It might also deploy during a significant frontal crash. The airbag is not designed to deploy during a minor lateral or frontal crash, rear crash or a vehicle rollover.

## SIDE CURTAIN AIRBAGS



E68905

# Pedestrian Alert System - Plug-In Hybrid Electric Vehicle (PHEV)

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## WHAT IS THE PEDESTRIAN ALERT SYSTEM

Electric drive vehicles can be extremely

quiet. The pedestrian alert system is designed to generate a sound to alert pedestrians to the presence of an electric drive vehicle.

## PEDESTRIAN ALERT SYSTEM – TROUBLESHOOTING

### PEDESTRIAN ALERT SYSTEM – INFORMATION MESSAGES

<b>Message</b>	<b>Condition</b>	<b>Action</b>
Pedestrian sounder malfunction Service now	The system has malfunctioned.	Have your vehicle checked as soon as possible.

# Automatic Crash Notification System

## EMERGENCY ASSISTANCE



**WARNING:** Unless the Emergency Assistance setting is on prior to a collision, the system does not attempt to place an emergency call. This could delay the response time, increasing the risk of serious injury or death.



**WARNING:** For this feature to work, your mobile phone must be Bluetooth-enabled and compatible with the system.



**WARNING:** Always place your phone in a secure location in your vehicle so it does not become a projectile or get damaged in a crash. Failure to do so may cause serious injury to someone or damage the phone which could prevent Emergency Assistance from working properly.

**Note:** *Not all accidents activate the system. If an accident does trigger the system, it initiates a call to the emergency services. Do not wait for the system to initiate a call if you are able to do so. Call emergency services immediately to avoid a delayed response time. If you do not hear the system within five seconds of the accident, the system could be non-functional.*

If an accident results in an attempt to deploy an airbag, excluding knee airbags and rear inflatable seatbelts, or to shut off the fuel pump, the system initiates a call to the emergency services.

**Note:** *Before setting the feature on, please read the important notice about the Emergency Assistance feature and the Emergency Assistance privacy notice later in this section for important information.*

**Note:** *When you switch Emergency Assistance on or off, the settings apply to all paired mobile phones. If you switch Emergency Assistance off and a previously paired phone connects when you switch the ignition on, either a voice message plays, a display message or icon is shown or both.*

**Note:** *Every mobile phone operates differently. While Emergency Assistance works with most mobile phones, some mobile phones may experience difficulties using this feature.*

**Note:** *In the case of an emergency, the system, as a means of communication aid, can help you contact specific rescue departments of public emergency services. The system does not deploy the rescue operations. The local public emergency service deploys specific rescue operations according to the actual situation.*

To make sure that Emergency Assistance works correctly:

- The system must have power and be working correctly at the time of the crash and during feature activation and use.
- You must switch on the feature before a crash.
- You must have a cell phone connected to the system.
- In certain countries, it may be necessary to have a valid and registered SIM card with credit in order to place and maintain an emergency call.
- A connected cell phone must have the ability to make and maintain an outgoing call at the time of the crash.
- A connected cell phone must have adequate network coverage, battery power and signal strength.
- Your vehicle must have battery power.

# Automatic Crash Notification System

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**Note:** *This feature only works in a country where Emergency Assistance can call the local emergency services. For additional information, please refer to the local Ford website.*

## In the Event of a Crash

Before making a call:

- If you do not cancel the call, an introductory message plays for the emergency operator. After this message, there is hands-free communication between your vehicle's occupants and the operator.
- The system provides a short window of time (approximately 10 seconds) to cancel the call. If you do not cancel the call, the system initiates a call to the emergency services.
- The system plays a message letting you know when it attempts to make an emergency call. You can cancel the call by selecting the relevant button or by pressing the end call button on the steering wheel.

**Note:** *Not every crash deploys an airbag or triggers the fuel pump shut off, which may turn on Emergency Assistance. However, if Emergency Assistance is triggered, the system tries to contact the emergency services. If a connected cell phone sustains damage or loses connection to the system, it searches for and tries to connect to any available previously paired cell phone and initiates a call to the emergency services.*

During a call:

- Emergency Assistance uses your vehicle GPS or cellular network information when available to determine the most appropriate language to use. It alerts the emergency operator of the crash and delivers the introductory message. This may include your vehicle GPS coordinates.
- The language the system uses to interact with the occupants of your vehicle may differ from the language used to deliver information to the emergency operator.
- After the delivery of the introductory message the voice line opens so that you can speak hands-free with the emergency operator.
- When the line is connected, you must be prepared to provide your name, phone number and location information immediately.

**Note:** *While the system provides information to the emergency operator, the system plays a message letting you know it is sending important information. It then lets you know when the line is open to start hands-free communication.*

**Note:** *During an Emergency Assistance call, an emergency priority screen appears which contains vehicle GPS coordinates when available.*

**Note:** *It is possible that GPS location information is not available at the time of the crash; in this case, Emergency Assistance will still attempt to place an emergency call.*

**Note:** *It is possible that the emergency services will not receive the GPS coordinates; in this case, hands-free communication with an emergency operator is available.*

# Automatic Crash Notification System

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**Note:** *The emergency operator may also receive information from the cellular network such as cell phone number, cell phone location and cell phone carrier name independent from Emergency Assistance.*

## **Emergency Assistance may not work if:**

- Your cell phone or Emergency Assistance hardware sustains damage in the crash.
- The vehicle battery or the system has no power.
- A crash ejects your cell phone from your vehicle.
- You do not have a valid and registered SIM card with credit in your cell phone.
- You are in a country where Emergency Assistance cannot call the local emergency services. For additional information, please refer to the local Ford website.

## **Important Information About Emergency Assistance**

Emergency Assistance does not currently call emergency services in the following countries:

- Albania.
- Armenia.
- Azerbaijan.
- Belarus.
- Bosnia and Herzegovina.
- Georgia.
- Macedonia.
- Moldova.
- Netherlands.
- Russia.
- Ukraine.

## **Emergency Assistance Privacy Notice**

When you switch on Emergency Assistance, it may disclose to emergency services that your vehicle has been in a crash involving the deployment of an airbag or activation of the fuel pump shut off. This feature has the capability to disclose your location information to the emergency operator or other details about your vehicle or crash to provide the most appropriate emergency services.

If you do not want to disclose this information, do not switch on the feature.

# Keys and Remote Controls

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## GENERAL INFORMATION ON RADIO FREQUENCIES

**Note:** *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

The typical operating range for your transmitter is approximately 10 m (33 ft).

A decrease in operating range could be caused by:

- weather conditions
- nearby radio towers
- structures around your vehicle
- other vehicles parked next to your vehicle.

The radio frequency used by your remote control can also be used by other radio transmitters, for example amateur radios, medical equipment, wireless headphones, wireless remote controls, cell phones, battery chargers and alarm systems. If the frequencies are jammed, you will not be able to use your remote control. You can lock and unlock the doors with the key.

**Note:** *Make sure your vehicle is locked before leaving it unattended.*

**Note:** *If you are in range, the remote control will operate if you press any button unintentionally.*

**Note:** *The remote control contains sensitive electrical components. Exposure to moisture or impact may cause permanent damage.*

## REMOTE CONTROL

Your vehicle comes with a rechargeable remote control. The remote control battery automatically charges when the key is in the ignition and the engine is running. You should use all remote controls to drive your vehicle at least once every year, to prevent the remote control battery from losing charge.

**Note:** *The remote control battery cannot be replaced. Do not attempt to remove or replace the battery as this could cause damage to the key housing not covered by the vehicle Warranty.*

You can purchase replacement keys or remote controls from an authorized dealer.

## Reprogramming the Unlocking Function

**Note:** *When you press the unlock button, either all the doors are unlocked or only the driver and passenger doors are unlocked. Pressing the unlock button again unlocks all the doors.*

Press and hold the unlock and lock buttons on the remote control simultaneously for at least four seconds with the ignition off. The direction indicators flash twice to confirm the change. To return to the original unlocking function, repeat the process.

## REPLACING A LOST KEY OR REMOTE CONTROL

You can purchase replacement keys or remote controls from an authorized dealer. Authorized dealers can program remote controls for your vehicle. See **Remote Control** (page 46).

To re-program the passive anti-theft system see an authorized dealer.

# MyKey™ - Vehicles With: MyKey

## PRINCIPLE OF OPERATION

The system is designed to promote good driving behaviors using keys that you have programmed with some restricted settings.

## MYKEY SETTINGS

### Non-Configurable Settings

#### Seatbelt Reminder

The audio system mutes when the seatbelt reminder turns on. The seatbelt reminder cannot be switched off with a MyKey.

#### Early Low Fuel

The low fuel level warning lamp turns on earlier.

#### Driving and Parking Aids

Parking aids, blind spot information system and cross traffic alert turn on when you start the engine and cannot be switched off with a MyKey.

Pre-collision assist and lane keeping alert turn on when you start the engine, but can be switched off with a MyKey.

A new destination in the navigation system can only be set using voice commands, when using a MyKey and your vehicle is moving.

### Configurable Settings

You can configure the following settings after creating a MyKey. See **Creating a MyKey** (page 48).

## Speed Limit



**WARNING:** Do not set MyKey maximum speed limit to a limit that will prevent the driver from maintaining a safe speed considering posted speed limits and prevailing road conditions. The driver is always responsible to drive in accordance with local laws and prevailing conditions. Failure to do so could result in accident or injury.

You can set a speed limit for your vehicle. Warning messages appear in the information display and a tone sounds if your vehicle reaches the set speed. You cannot override the set speed when using a MyKey.

### Speed Reminder

You can set a speed reminder for your vehicle. Warning messages appear in the information display and a tone sounds if your vehicle exceeds the set speed.

### Audio System Volume Limit

The audio system maximum volume is reduced. A message appears in the information display if you attempt to exceed the volume limit. Automatic volume control turns off.

### Emergency Assistance

If you set emergency assistance to be always on, it cannot be switched off with a MyKey.

### Do Not Disturb

If you set do not disturb to be always on, it cannot be switched off with a MyKey.

**Note:** *If a phone is connected using Apple CarPlay or Android Auto while driving with a MyKey, the driver can receive phone calls and text messages even if the do not disturb restriction is on.*

# MyKey™ - Vehicles With: MyKey

## Traction Control

If you set traction control to be always on, it cannot be switched off with a MyKey.

## CREATING A MYKEY

Switch the ignition on using an admin key.

**To create a MyKey, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Settings	Press the menu button.
MyKey	Press the <b>OK</b> button.
Create MyKey	Press and hold the <b>OK</b> button until a confirmation message appears in the information display.
	Switch the ignition off.

**Note:** We recommend that you label this key.

## MyKey Information Messages

Message	Description
Key is already a MyKey	Displays when trying to create a MyKey with a key already designated as a MyKey.
Key restricted at next start. Label this key	Displays to confirm that the key is restricted after you switch the ignition off.

Switch the ignition on using an admin key.

## PROGRAMMING A MYKEY

You can only program MyKeys to the same settings.

# MyKey™ - Vehicles With: MyKey

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**To program a MyKey, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Settings	Press the menu button.
MyKey	Press the <b>OK</b> button. Select a setting and press the <b>OK</b> button. Configure the setting. Switch the ignition off.

# MyKey™ - Vehicles With: MyKey

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## CLEARING ALL MYKEYS

When you clear all MyKeys, you remove all

restrictions and return all MyKeys to their original admin key status.

Switch the ignition on using an admin key.

**To clear all MyKeys, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Settings	Press the menu button.
MyKey	Press the <b>OK</b> button.
Clear MyKeys	Press and hold the <b>OK</b> button until a confirmation message appears in the information display.

# MyKey™ - Vehicles With: MyKey

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## CHECKING MYKEY SYSTEM STATUS

Switch the ignition on.

**To find information about the distance traveled using a MyKey and also the number of admin keys and MyKeys created for your vehicle, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Settings	Press the menu button.
MyKey	Press the <b>OK</b> button.
MyKey info	Press the <b>OK</b> button.

## MYKEY – TROUBLESHOOTING

### What is an admin key?

- An admin key is a key that has not been created as a MyKey. See **Creating a MyKey** (page 48).

### Why can I not create a MyKey?

- The key used to switch the ignition on is not an admin key.
- The key used to switch the ignition on is the only admin key. There always has to be at least one admin key.

### Why can I not program a MyKey?

- The key used to switch the ignition on is not an admin key.
- No MyKeys are created. See **Creating a MyKey** (page 48).

### Why can I not clear the MyKeys?

- The key used to switch the ignition on is not an admin key.
- No MyKeys are created. See **Creating a MyKey** (page 48).

### Why does the MyKey distance not accumulate?

- The key used to start the engine is an admin key.
- No MyKeys are created. See **Creating a MyKey** (page 48).
- The MyKeys have been cleared.

# Doors and Locks

## LOCKING AND UNLOCKING - VEHICLES WITH: MANUAL LIFTGATE

### Locking the Doors



Press the button to lock all doors. The direction indicators flash.

**Note:** You can lock the driver door with the key. Turn the key toward the front of your vehicle. Use the key when the remote control is not functioning.

**Note:** Check your vehicle is locked before leaving it unattended.

**Note:** Do not leave your keys in your vehicle.

### Double Locking the Doors (If Equipped)



**WARNING:** Do not use double locking when passengers or animals are inside your vehicle. The doors cannot be unlocked or opened from the inside when double locked.

Double locking is a theft protection feature that prevents someone from opening the doors from the inside.



Press the button twice within three seconds. The direction indicators flash.

**Note:** If you double lock your vehicle when inside, switch the ignition on to return the door locks to a single locked state.

**Note:** You can double lock your vehicle with the key. Turn the key toward the front of your vehicle twice within three seconds. Use the key when the remote control is not functioning.

**Note:** Check your vehicle is locked before leaving it unattended.

**Note:** Do not leave your keys in your vehicle.

### Unlocking the Doors



Press the button to unlock all doors. The direction indicators flash.

**Note:** You can unlock the driver door with the key. Turn the key toward the rear of your vehicle. Use the key when the remote control is not functioning.

**Note:** When you leave your vehicle unattended for several weeks, the remote control turns off. Unlock your vehicle and start the engine to enable the remote control.

### Reprogramming the Unlocking Function

You can reprogram the unlocking function so that all doors are unlocked.

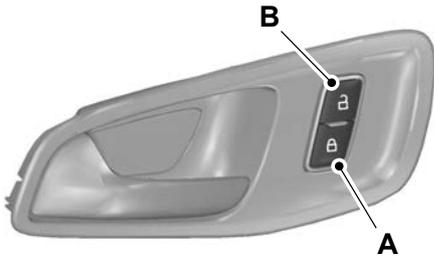
Simultaneously press and hold the unlock and lock buttons on the remote control for at least four seconds with the ignition off. The direction indicators flash twice to confirm the change.

To return to the original unlocking function, repeat the process.

You can also change between the unlocking modes in the information display. See **General Information** (page 88).

# Doors and Locks

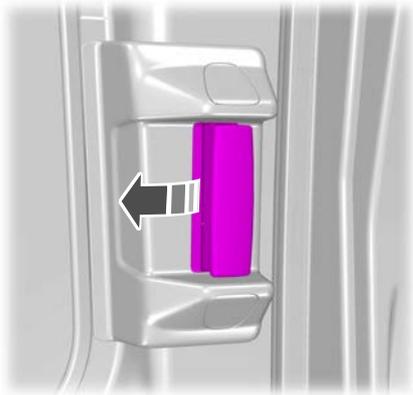
## Locking and Unlocking the Doors From Inside



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- A Lock.
- B Unlock.

## Opening the Sliding Door



## Slam Locking (If Equipped)

You can use slam locking to individually lock the doors if the vehicle battery or the key battery has no charge.

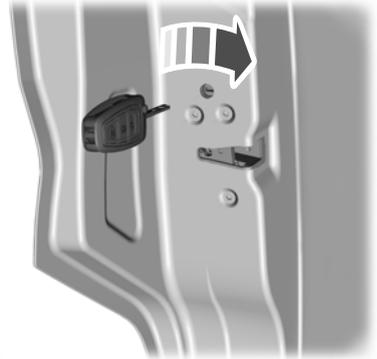
**Note:** Do not leave the keys in your vehicle.

**Note:** The horn could sound if you try to lock the doors when a door is still open.

## Front Passenger Door

### Left-Hand Side

1. Fully open the door.



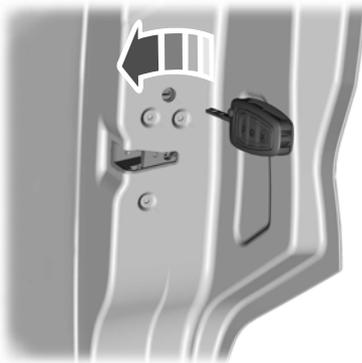
E260666

2. Insert the key blade into the key slot.
3. Turn the key clockwise.
4. Remove the key.
5. Close the door. The door locks when you close it.

### Right-Hand Side

1. Fully open the door.

# Doors and Locks



E260667

2. Insert the key blade into the key slot.
3. Turn the key counterclockwise.
4. Remove the key.
5. Close the door. The door locks when you close it.

## Sliding Door

1. Fully open the door.



E260665

2. Fully insert the key blade into the key slot.
3. Remove the key.
4. Close the door. The door locks when you close it.

## Autolock (If Equipped)

Autolock locks all the doors when all of the following occur:

- All doors are closed.
- The ignition is on.
- You shift into any gear putting your vehicle in motion.
- The vehicle speed exceeds a predetermined limit.

You can turn this function on using the information display. See **Information Displays** (page 88). If you have turned this function on, either use the interior door unlock button or switch the ignition off and use the key or remote control to unlock the sliding door.

## Auto Relock

The doors relock if you do not open a door within 45 seconds of unlocking the doors with the remote control. The door locks and the alarm return to their previous state.

## Autounlock

Autounlock unlocks all the doors when all of the following occur:

- The ignition is on, all the doors are closed, and the vehicle speed exceeds a predetermined limit.
- Your vehicle comes to a stop and you switch the ignition off or to the accessory position.
- You open the driver door within 10 minutes of switching the ignition off or to the accessory position.

You can turn this function on using the information display. See **Information Displays** (page 88).

# Doors and Locks

## Unlocking the Doors (One-Stage Unlock)

All doors unlock when you press the unlock button on the remote control once.

**Note:** When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.

You can turn this function on using the information display. See **Information Displays** (page 88).

## Unlocking the Doors (Two-Stage Unlock)

The driver and passenger doors unlock when you do any of the following:

- Pull an interior door handle if you have not double locked your vehicle.
- Press the unlock button on the remote control once.
- Press the interior unlock button once.

**Note:** When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.

All doors unlock when you do any of the following:

- Press the unlock button on the remote control twice within three seconds.
- Press the interior unlock button twice within three seconds.

**Note:** When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.

## Configurable Unlocking (If Equipped)

Configurable unlocking is set at the time of vehicle purchase. It allows you to select which doors unlock when you press the unlock button or the luggage compartment unlock button on the remote control once or twice. You cannot switch this feature back on if you have had it switched off. See an authorized dealer for further information.

## LOCKING AND UNLOCKING - VEHICLES WITH: REAR CARGO DOORS

### Locking the Doors



Press the button to lock all doors. The direction indicators flash.

**Note:** You can lock the driver door with the key. Turn the key toward the front of your vehicle. Use the key when the remote control is not functioning.

**Note:** Check your vehicle is locked before leaving it unattended.

**Note:** Do not leave your keys in your vehicle.

### Double Locking the Doors (If Equipped)



**WARNING:** Do not use double locking when passengers or animals are inside your vehicle. The doors cannot be unlocked or opened from the inside when double locked.

Double locking is a theft protection feature that prevents someone from opening the doors from the inside.



Press the button twice within three seconds. The direction indicators flash.

# Doors and Locks

**Note:** If you double lock your vehicle when inside, switch the ignition on to return the door locks to a single locked state.

**Note:** You can double lock your vehicle with the key. Turn the key toward the front of your vehicle twice within three seconds. Use the key when the remote control is not functioning.

**Note:** Check your vehicle is locked before leaving it unattended.

**Note:** Do not leave your keys in your vehicle.

## Unlocking the Doors



Press the button to unlock all doors. The direction indicators flash.

**Note:** You can unlock the driver door with the key. Turn the key toward the rear of your vehicle. Use the key when the remote control is not functioning.

**Note:** When you leave your vehicle unattended for several weeks, the remote control turns off. Unlock your vehicle and start the engine to enable the remote control.

## Reprogramming the Unlocking Function

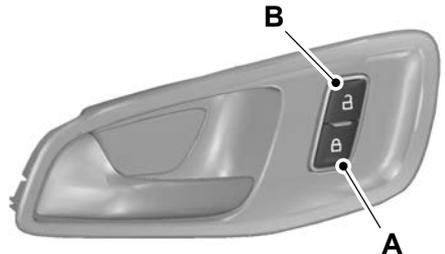
You can reprogram the unlocking function so that all doors are unlocked.

Simultaneously press and hold the unlock and lock buttons on the remote control for at least four seconds with the ignition off. The direction indicators flash twice to confirm the change.

To return to the original unlocking function, repeat the process.

You can also change between the unlocking modes in the information display. See **General Information** (page 88).

## Locking and Unlocking the Doors From Inside

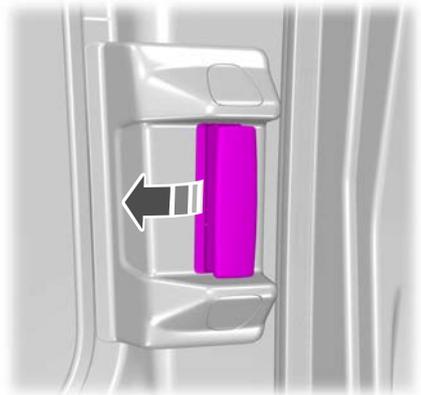


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A Lock.

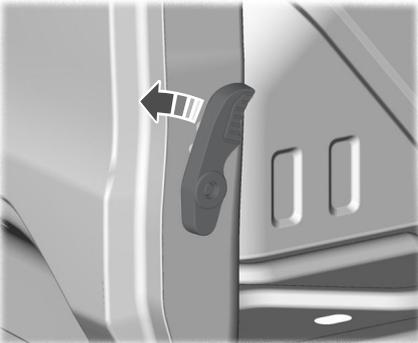
B Unlock.

## Opening the Sliding Door



# Doors and Locks

## Opening the Double Rear Doors (If Equipped)



## Slam Locking (If Equipped)

You can use slam locking to individually lock the doors if the vehicle battery or the key battery has no charge.

**Note:** Do not leave the keys in your vehicle.

**Note:** The horn could sound if you try to lock the doors when a door is still open.

## Front Passenger Door

### Left-Hand Side

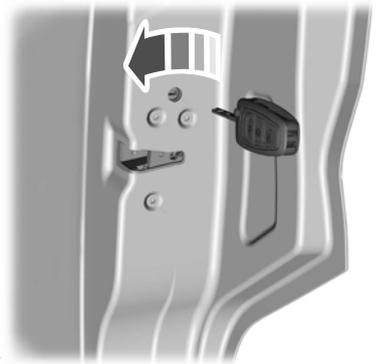
1. Fully open the door.



2. Insert the key blade into the key slot.
3. Turn the key clockwise.
4. Remove the key.
5. Close the door. The door locks when you close it.

### Right-Hand Side

1. Fully open the door.



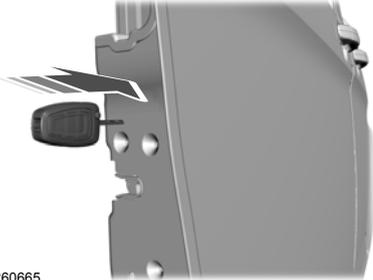
2. Insert the key blade into the key slot.
3. Turn the key counterclockwise.
4. Remove the key.

# Doors and Locks

5. Close the door. The door locks when you close it.

## Sliding Door

1. Fully open the door.

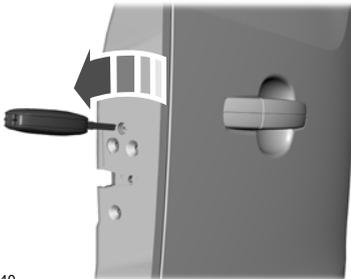


E260665

2. Fully insert the key blade into the key slot.
3. Remove the key.
4. Close the door. The door locks when you close it.

## Rear Cargo Doors

1. Fully open the right-hand side rear cargo door.



E260740

2. Insert the key blade into the key slot.
3. Turn the key counterclockwise.
4. Remove the key.

5. Close the door. The door locks when you close it.

## Autolock (If Equipped)

Autolock locks all the doors when all of the following occur:

- All doors are closed.
- The ignition is on.
- You shift into any gear putting your vehicle in motion.
- The vehicle speed exceeds a predetermined limit.

You can turn this function on using the information display. See **Information Displays** (page 88). If you have turned this function on, either use the interior door unlock button or switch the ignition off and use the key or remote control to unlock the rear or sliding door.

## Auto Relock

The doors relock if you do not open a door within 45 seconds of unlocking the doors with the remote control. The door locks and the alarm return to their previous state.

## Autounlock

Autounlock unlocks all the doors when all of the following occur:

- The ignition is on, all the doors are closed, and the vehicle speed exceeds a predetermined limit.
- Your vehicle comes to a stop and you switch the ignition off or to the accessory position.
- You open the driver door within 10 minutes of switching the ignition off or to the accessory position.

You can turn this function on using the information display. See **Information Displays** (page 88).

# Doors and Locks

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## Unlocking the Doors (One-Stage Unlock)

All doors unlock when you press the unlock button on the remote control once.

**Note:** *When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.*

You can turn this function on using the information display. See **Information Displays** (page 88).

## Unlocking the Doors (Two-Stage Unlock)

The driver and passenger doors unlock when you do any of the following:

- Pull an interior door handle if you have not double locked your vehicle.
- Press the unlock button on the remote control once.
- Press the interior unlock button once.

**Note:** *When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.*

All doors unlock when you do any of the following:

- Press the unlock button on the remote control twice within three seconds.
- Press the interior unlock button twice within three seconds.

**Note:** *When you have double locked your vehicle, the interior unlock button only operates for approximately 20 seconds.*

## Configurable Unlocking (If Equipped)

Configurable unlocking is set at the time of vehicle purchase. It allows you to select which doors unlock when you press the unlock button or the luggage compartment unlock button on the remote control once or twice. You cannot switch this feature back on if you have had it switched off. See an authorized dealer for further information.

# Liftgate

## MANUAL LIFTGATE



**WARNING:** It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a crash, people riding in these areas are more likely to be seriously injured or killed. Do not allow people to ride in any area of your vehicle that is not equipped with seats and seatbelts. Make sure everyone in your vehicle is in a seat and properly using a seatbelt. Failure to follow this warning could result in serious personal injury or death.



**WARNING:** Make sure to close and latch the liftgate to prevent drawing exhaust fumes into your vehicle. This will also prevent passengers and cargo from falling out. If you must drive with the liftgate open, keep the vents or windows open so outside air comes into your vehicle. Failure to follow this warning could result in serious personal injury.

**Note:** Be careful when opening or closing the liftgate in a garage or other enclosed area to avoid damaging the liftgate.

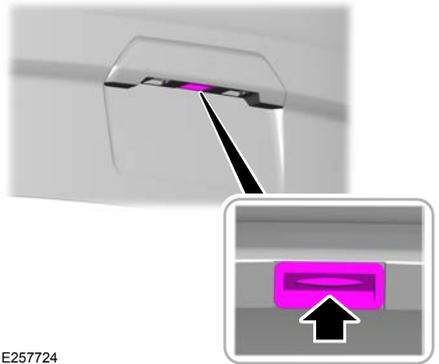
**Note:** Do not hang anything, for example a bike rack, from the glass or liftgate. This could damage the liftgate and its components.

## Unlocking the Liftgate



Press the button on the remote control.

## Opening the Liftgate



E257724

Press the exterior release button hidden above the license plate.

## Closing the Liftgate

Pull the strap inside the liftgate to help with closing.

# Security

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## PASSIVE ANTI-THEFT SYSTEM

### Principle of Operation

The system prevents someone from starting the vehicle with an incorrectly coded key.

### Coded Keys

If you lose a key, you can obtain a replacement from an authorized dealer. If possible, provide them with the key number from the tag provided with the original keys. You can also obtain extra keys from an authorized dealer.

**Note:** *Have all of your remaining keys erased and recoded if you lose a key. Have replacement keys coded together with recoding your remaining keys. See an authorized dealer for further information*

**Note:** *Do not shield your keys with metal objects. This may prevent the receiver from recognizing a coded key.*

### Arming the Vehicle Immobilizer

When you switch the ignition off the vehicle immobilizer will arm automatically after a short time.

### Disarming the Vehicle Immobilizer

When you switch the ignition on the vehicle immobilizer will disarm automatically if a correctly coded key is used.

If you are unable to start the vehicle with a correctly coded key, have your vehicle checked by an authorized dealer.

## ANTI-THEFT ALARM

The system will warn you of an unauthorized entry to your vehicle. It will be triggered if any door, the luggage compartment or the hood is opened without using the key or the remote control.

The park and direction indicators will flash and the horn will sound if unauthorized entry is attempted while the alarm is armed.

Take all remote controls to an authorized dealer if there is any potential alarm problem with your vehicle.

### Arming the Alarm

The alarm is ready to arm when there is not a key in the ignition. Lock your vehicle to arm the alarm.

### Disarming the Alarm

Disarm the alarm by:

- Unlocking the doors or luggage compartment with the remote control.
- Switching the ignition on or starting the engine.
- Using a key in the driver's door to unlock your vehicle, then switching the ignition on within 12 seconds.

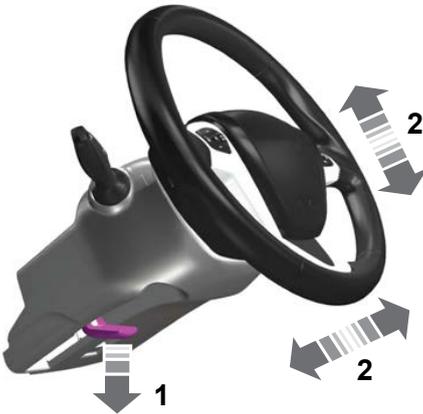
# Steering Wheel

## ADJUSTING THE STEERING WHEEL



**WARNING:** Do not adjust the steering wheel when your vehicle is moving.

**Note:** Make sure that you are sitting in the correct position. See **Sitting in the Correct Position** (page 108).



E95178

1. Unlock the steering column.
2. Adjust the steering wheel to the desired position.

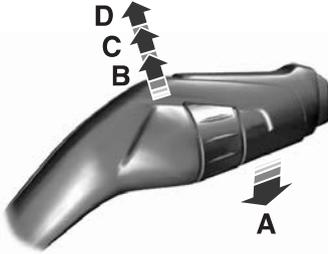


E95179

3. Lock the steering column.

# Wipers and Washers

## WINDSHIELD WIPERS



E197525

- A Single wipe.
- B Intermittent wipe.
- C Normal wipe.
- D High-speed wipe.

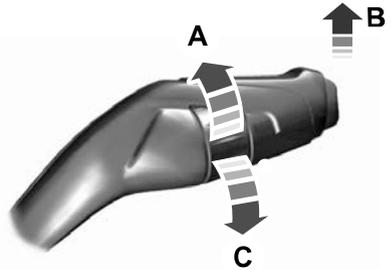
**Note:** Fully defrost the windshield before you switch the windshield wipers on.

**Note:** Make sure that you switch the windshield wipers off before entering a car wash.

**Note:** If streaks or smears appear on the windshield, clean the windshield and the wiper blades. See **Checking the Wiper Blades** (page 319). If that does not resolve the issue, install new wiper blades. See **Changing the Front Wiper Blades** (page 319).

**Note:** Do not operate the wipers on a dry windshield. This may scratch the glass or damage the wiper blades. Always use the windshield washers before wiping a dry windshield.

## Intermittent Wipe



E197526

- A Short wipe interval.
- B Intermittent wipe.
- C Long wipe interval.

Use the rotary control to adjust the intermittent wipe interval.

**Note:** When your vehicle speed increases, the interval between intermittent wipes may decrease.

## AUTOWIPERS

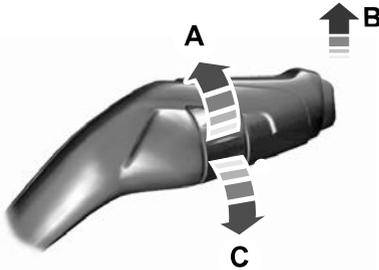
Autowipers uses a rain sensor in the area around the interior mirror. The wipers operate when the rain sensor detects water on the windshield in front of it. The rain sensor continues to monitor the amount of water and adjusts the speed of the wipers.

**Note:** The wipers remain in a slightly raised position during operation and only return to the park position a short time after the rain sensor detects no water on the windshield.

You can switch autowipers on or off in the information display.

**Note:** If you switch autowipers off in the information display, the windshield wipers operate in intermittent mode.

# Wipers and Washers



E197526

- A High sensitivity.
- B Autowipers on.
- C Low sensitivity.

Move the wiper lever upward to the first position to switch autowipers on.

Use the rotary control to adjust the sensitivity of the autowipers. When you select low sensitivity, the wipers operate when the sensor detects a large amount of water on the windshield. When you select high sensitivity, the wipers operate when the sensor detects a small amount of water on the windshield.

**Note:** Keep the outside of the windshield clean. The rain sensor is very sensitive and the wipers may operate if dirt, mist or insects hit the windshield.

## Settings

**To switch autowipers on or off, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Settings	Press the menu button.
Vehicle settings	Press the <b>OK</b> button.
Wipers	Press the <b>OK</b> button.
Rain sensing	Press the <b>OK</b> button.

If you leave autowipers on, it may not operate when you switch the ignition on during freezing temperatures. This is because the system has deactivated the rain sensor to prevent damage to the windshield wipers. Defrost the windshield before reactivating the rain sensor. You can reactivate the rain sensor by moving the rotary control or switching autowipers off and on.

**Note:** Fully defrost the windshield before you switch the windshield wipers on.

**Note:** Make sure that you switch the windshield wipers off before entering a car wash.

Wet or winter weather conditions could cause unexpected wiping or smearing.

To keep the windshield clear:

- Lower the sensitivity of the autowipers to reduce the amount of smearing on the windshield.
- Switch autowipers off.

**Note:** If streaks or smears appear on the windshield, clean the windshield and the wiper blades. If that does not resolve the issue, install new wiper blades. See **Changing the Front Wiper Blades** (page 319).

# Wipers and Washers

## WINDSHIELD WASHERS



E144498

Pull the lever toward you to operate the windshield washers. When you release the lever, the wipers operate for a short time.

**Note:** Do not operate the washers when the washer reservoir is empty. This could cause the washer pump to overheat.

## REAR WINDOW WIPER AND WASHERS

### Rear Window Wiper



E171615

- A Intermittent wipe.
- B Continuous wipe.
- C Rear window wiper off.

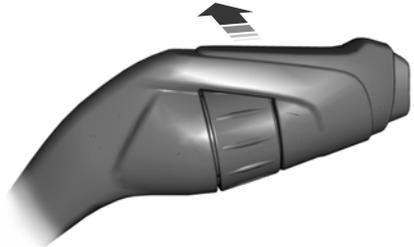
Press the top of the button to switch intermittent wipe on. Press the top of the button again to switch continuous wipe on. Press the bottom of the button to switch the rear window wiper off.

**Note:** Make sure you switch the rear window wiper off before entering a car wash.

### Reverse Gear Wipe (If Equipped)

If you shift to reverse (R) when the windshield wipers are on, the rear window wiper turns on.

### Rear Window Washer



E167407

Push the lever away from you to operate the rear window washer. When you release the lever, the wipers operate for a short time.

# Lighting

## GENERAL INFORMATION

### Condensation in the Exterior Front Lamps and Rear Lamps

Exterior front lamps and rear lamps have vents to accommodate normal changes in air pressure.

Condensation can be a natural by-product of this design. When moist air enters the lamp assembly through the vents, there is a possibility that condensation can occur when the temperature is cold. When normal condensation occurs, a fine mist can form on the interior of the lens. The fine mist eventually clears and exits through the vents during normal operation.

Clearing time may take as long as 48 hours under dry weather conditions.

Examples of acceptable condensation are:

- The presence of a fine mist (no streaks, drip marks or large droplets).
- A fine mist covers less than 50% of the lens.

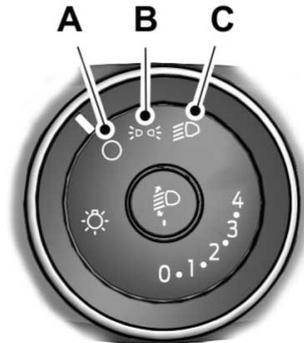
Examples of unacceptable condensation are:

- A water puddle inside the lamp.
- Streaks, drip marks or large droplets present on the interior of the lens.

If you see any unacceptable condensation, have your vehicle checked by an authorized dealer.

## LIGHTING CONTROL

### Lighting Control Positions



E132706

- A Off.
- B Parking lamps, instrument panel lamps, license plate lamps and tail lamps.
- C Headlamps.

### Parking Lamps

**Note:** *Parking lamps may turn off automatically. This prevents the vehicle battery from running out of charge.*

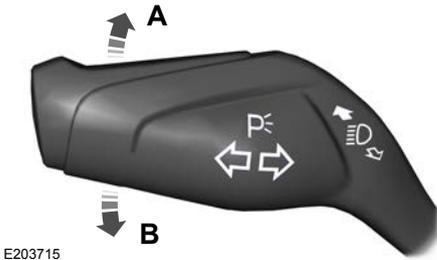
Switch the ignition off.

### Both Sides

Select position B on the lighting control to switch the parking lamps on.

# Lighting

## One Side



E203715

- A Right-hand side.
- B Left-hand side.

## Headlamp High Beam



E163718

Push the lever away from you to switch the high beam on.

Push the lever forward again or pull the lever toward you to switch the high beams off.

## Headlamp Flasher



E163719

Slightly pull the lever toward you and release it to flash the headlamps.

## AUTOLAMPS

**WARNING:** The system does not relieve you of your responsibility to drive with due care and attention. You may need to override the system if it does not turn the headlamps on in low visibility conditions, for example daytime fog.

Autolamps turn the headlamps on in low light situations or when the wipers operate.



E259051

The headlamps remain on for a period of time after you switch the ignition off. Use the information display controls to adjust the period of time that the headlamps remain on. See **General Information** (page 88).

**Note:** When you switch the autolamps on, the headlamps turn on within 10 seconds of switching the wipers on.

**Note:** If you switch the autolamps and the autowipers on, the headlamps turn on when the windshield wipers continuously operate.

# Lighting

**Note:** The headlamps turn off approximately 60 seconds after you switch the wipers off.

## INSTRUMENT LIGHTING DIMMER

The instrument lighting dimmer buttons are on the lighting control.



Repeatedly press one of the buttons to adjust the brightness.



## HEADLAMP EXIT DELAY

After you switch the ignition off, you can switch the headlamps on by pulling the direction indicator lever toward you. You will hear a short tone. The headlamps will switch off automatically after three minutes with any door open or 30 seconds after the last door has been closed. You can cancel this feature by pulling the direction indicator lever toward you again or switching the ignition on.

## AUTOMATIC HIGH BEAM CONTROL



**WARNING:** The system does not relieve you of your responsibility to drive with due care and attention. You may need to override the system if it does not turn the high beams on or off.



**WARNING:** You may need to override the system when approaching other road users.



**WARNING:** You may need to override the system during inclement weather.



**WARNING:** Do not use the system in poor visibility, for example fog, heavy rain, spray or snow.



**WARNING:** The system may not switch the high beams off if the lights of oncoming vehicles are hidden by obstacles, for example guard rails.



**WARNING:** Inspect and replace the windshield wiper blades regularly to make sure the camera sensor has a clear view. The windshield wiper blades must be the correct length.

## About Automatic High Beam Control

The system is designed to turn the high beams on if all of the following occur:

- You switched the system on in the information display.
- You set the lighting control to the autolamps position.
- The ambient light level is low enough that high beams are required.
- There is no traffic in front of your vehicle.
- Your vehicle speed is greater than approximately 40 km/h (25 mph).

The system is designed to turn the high beams off if any of the following occur:

- You switch the system off in the information display.
- You set the lighting control to any position except autolamps.
- You switch the rear fog lamps on.
- The ambient light level is high enough that high beams are not required.

# Lighting

- The system detects an approaching vehicle's headlamps or rear lamps.
- The system detects severe rain, snow or fog.
- The system detects street lighting.
- The camera has reduced visibility.
- Your vehicle speed falls below approximately 30 km/h (19 mph).

## Switching Automatic High Beam Control On or Off

To switch the system on or off, use the information display controls on the steering wheel to select the following:

Menu Item	Action
Settings	Press the menu button.
Vehicle settings	Press the <b>OK</b> button.
Lighting	Press the <b>OK</b> button.
Auto highbeam	Press the <b>OK</b> button.

## Automatic High Beam Indicator



It illuminates to confirm when the system is ready to assist.

## Overriding Automatic High Beam Control

Push the lever away from you to switch between high beam and low beam.

## Automatic High Beam Control Information Messages

Message	Description
Front camera Low visibility Clean screen	The camera has reduced visibility. Clean the windshield. If the message continues to appear, have your vehicle checked as soon as possible.
Front camera temporarily not available	The camera has malfunctioned. Wait a short period of time for the camera to cool down. If the message continues to appear, have your vehicle checked as soon as possible.

## FRONT FOG LAMPS

### Switching the Front Fog Lamps On or Off

Only switch the front fog lamps on during reduced visibility.

You can switch the front fog lamps on if any of the following occur:

- You set the lighting control to the parking lamps position.
- You set the lighting control to the headlamps position.
- You set the lighting control to the autolamps position and the headlamps are on.

# Lighting

The front fog lamp button is on the lighting control.

 Press the button to switch the front fog lamps on or off.

**Note:** *The brightness of the daytime running lamps may decrease when the front fog lamps are switched on.*

## Front Fog Lamp Indicator

 It illuminates when you switch the front fog lamps on.

## REAR FOG LAMPS

### Switching the Rear Fog Lamps On or Off

 **WARNING:** Do not use the rear fog lamps when it is raining or snowing and visibility is more than 50 m (164.0 ft).

You can switch the rear fog lamps on if any of the following occur:

- You switched the front fog lamps on.
- You set the lighting control to the headlamps position.
- You set the lighting control to the autolamps position and the headlamps are on.

The rear fog lamp button is on the lighting control.

 Press the button to switch the rear fog lamps on or off.

## Rear Fog Lamp Indicator

 It illuminates when you switch the rear fog lamps on.

## HEADLAMP LEVELING

To adjust the level of the headlamp beams, do the following:



E132711

1. Press to release the control.
2. Rotate the control in accordance with your vehicle load to prevent you from distracting other road users when the headlamps are on.

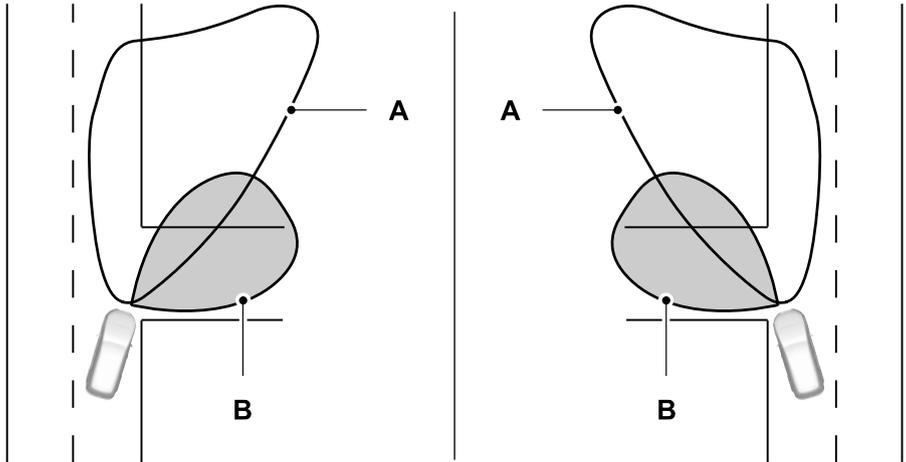
**Note:** *Set the control to zero when your vehicle is unloaded.*

**Note:** *Set the headlamp beams to give between 35–100 m (115–328 ft) of road surface illumination when your vehicle is partially or fully loaded.*

3. Press to close the control.

# Lighting

## CORNERING LAMPS



E72898

- A Headlamp beam.
- B Cornering lamp beam.

The cornering lamps illuminate the inside of a corner when you are turning the steering wheel.

## DIRECTION INDICATORS



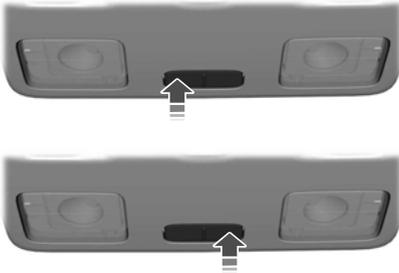
Push the lever up or down to use the direction indicators.

# Lighting

**Note:** Tap the lever up or down to make the direction indicators flash three times to indicate a lane change.

## INTERIOR LAMPS - BUS

### Switching All of the Interior Lamps On and Off



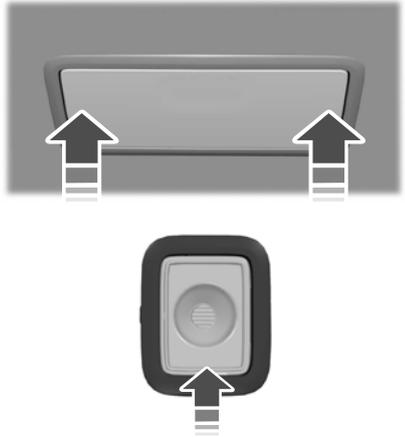
### Switching the Front Interior Lamps On and Off



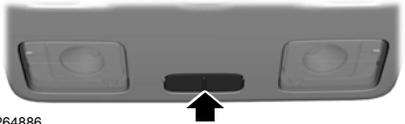
E249791

**Note:** Press the edge of the lamps lens to switch the front interior lamp off before switching the ignition off to prevent the vehicle battery from running out of charge.

### Switching the Rear Interior Lamps On and Off



### Interior Lamp Function



E264886

When you set the switch to the middle position, the interior lamps turn on if:

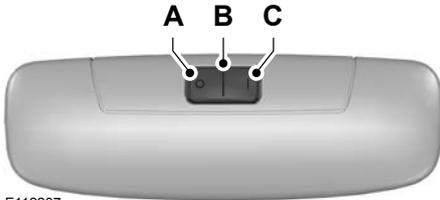
- You open a door.
- You press the unlock button on the remote control.
- You switch the ignition off.

**Note:** If you switch the ignition off, the interior lamps could turn off after a short time to prevent the vehicle battery from running out of charge.

# Lighting

## INTERIOR LAMPS - VAN

### Courtesy Lamp



E112207

- A Off
- B Door contact
- C On

If you set the switch to position B, the courtesy lamp will switch on when you unlock your vehicle, open a door or the liftgate. If you leave a door open with the ignition switched off, the courtesy lamp will switch off automatically after a short period of time to prevent your vehicle battery from losing charge. To switch it back on, switch the ignition on for a short period of time.

The courtesy lamp will also switch on when you switch the ignition off. It will switch off automatically after a short period of time or when you start the engine.

If you set the switch to position C with the ignition switched off, the courtesy lamp will switch on. It will switch off automatically after a short period of time to prevent your vehicle battery from losing charge. To switch it back on, switch the ignition on for a short period of time.

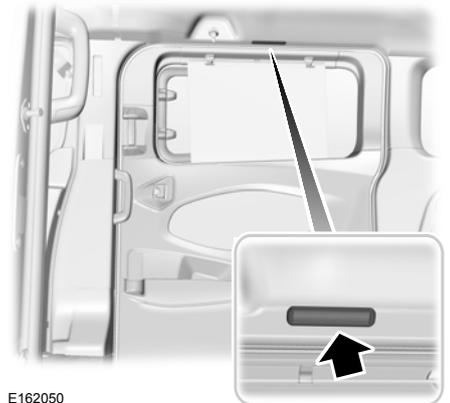
### Reading Lamps



E112208

If you switch the ignition off, the reading lamps will switch off automatically after a short period of time to prevent your vehicle battery from losing charge. To switch them back on, switch the ignition on for a short period of time.

### Entrance Lamps



E162050

The lamps are located above the rear doors and sliding door. They will switch on and off automatically when you open and close the doors. If you unlock the doors with the remote control, they will switch on. They will switch off automatically after a short period of time.

# Windows and Mirrors

## POWER WINDOWS



**WARNING:** Do not leave children unattended in your vehicle and do not let them play with the power windows. Failure to follow this instruction could result in personal injury.



**WARNING:** When closing the power windows, verify they are free of obstruction and make sure that children and pets are not in the proximity of the window openings.



Press the control to open the window. Lift the control to close the window.

**Note:** *The power windows operate with the ignition on, and for several minutes after you switch the ignition off or until you open a front door.*

To reduce wind noise or pulsing noise when just one window is open, slightly open the opposite window.

### One-Touch Open (If Equipped)

Fully press the control and release it. Press again or lift it to stop the window.

### One-Touch Close (If Equipped)

Fully lift the control and release it. Press again or lift it to stop the window.

### Bounce-Back (If Equipped)

The window automatically stops and reverses if it detects an obstruction.

## Overriding Bounce-Back



**WARNING:** When you override the bounce-back feature the window will not reverse if it detects an obstacle. Take care when closing the windows to avoid personal injury or damage to your vehicle.

1. Close the window twice until it reaches the point of resistance and let it reverse.
2. Lift the control within two seconds to override the feature and close the window. Bounce-back is now disabled and you can close the window manually. The window will go past the point of resistance and you can close it fully.

**Note:** *If the window does not close, have your vehicle checked as soon as possible.*

## Resetting Bounce-Back



**WARNING:** Bounce-back is off until you reset the memory. Take care when closing the windows to avoid personal injury or damage to your vehicle.

Carry out all steps within 30 seconds of starting the sequence.

1. Close the window.
2. Press and hold the switch until the window is fully open. Keep the switch fully pressed for a few seconds.
3. Lift and hold the switch until the window is fully closed. Keep the switch held for a few seconds.
4. Press and hold the switch until the window is fully open. Keep the switch fully pressed for a few seconds.

# Windows and Mirrors

5. Lift and hold the switch until the window is fully closed. Keep the switch held for a few seconds.

**Note:** Repeat the procedure if the window does not close when you use one-touch.

## GLOBAL OPENING AND CLOSING - BUS

You can use the remote control to open and close the windows when the ignition is off.

You can switch this feature on or off in the information display. See **General Information** (page 88).

### Global Opening

1. Press and release the unlock button on the remote control.
2. Press and hold the unlock button on the remote control.
3. Release the button when the windows start to open.

Press the lock or the unlock button on the remote control to stop global opening.

**Note:** You can use global opening for a short period of time when you unlock your vehicle using the remote control.

### Global Closing



**WARNING:** When closing the power windows, verify they are free of obstruction and make sure that children and pets are not in the proximity of the window openings.

1. Press and hold the lock button on the remote control.
2. Release the button when the windows start to close.

Press the lock or the unlock button on the remote control to stop global closing.

**Note:** Bounce-back is on during global closing.

## EXTERIOR MIRRORS - BUS

### Power Exterior Mirrors



**WARNING:** Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.



E252156

- A Left-hand mirror switch.
- B Mirror adjustment control.
- C Right-hand mirror switch.

### Folding the Mirrors (If Equipped)

The exterior mirrors fold when you lock your vehicle and unfold when you unlock your vehicle.



For tight parking conditions, press the control to fold the mirrors.

Press the control again to unfold the mirrors.

# Windows and Mirrors

If you press the control to fold in the mirrors with auto-fold on, the mirrors do not automatically unfold.

**Note:** *The power folding mirrors operate with the ignition on, and for several minutes after you switch the ignition off.*

**Note:** *If you fold and unfold the mirrors several times within one minute, the power fold function may turn off to protect the motors from overheating.*

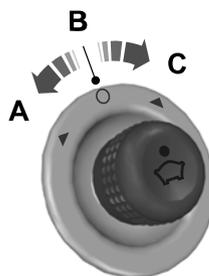
You can switch auto-fold on or off in the information display. See **General Information** (page 88).

## Loose Mirror

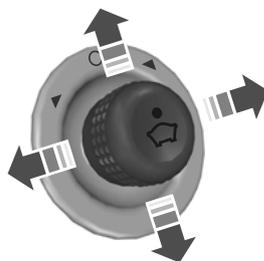
If your power-folding mirrors are manually folded, they may not work properly, even after you re-position them. You need to reset them if:

- The mirrors vibrate when you drive.
- The mirrors feel loose.
- The mirrors do not stay in the folded or unfolded position.
- One of the mirrors is not in its normal driving position.

To reset the power-fold feature, use the power-folding mirror control to fold and unfold the mirrors. You may hear a loud noise as you reset the power-folding mirrors. This sound is normal. Repeat this process as needed each time the mirrors are manually folded.



- A Left-hand mirror switch.
- B Neutral.
- C Right-hand mirror switch.



Move the adjustment control in the direction of the arrows to adjust the mirror.

## EXTERIOR MIRRORS - VAN

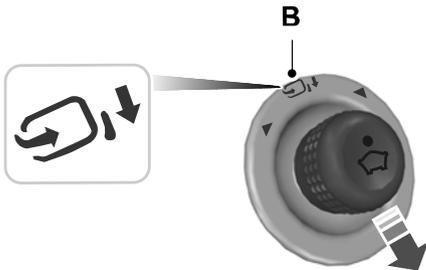
### Power Exterior Mirrors



**WARNING:** Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.

# Windows and Mirrors

## Folding the Mirrors (If Equipped)



Move the adjustment control downward to fold or unfold the mirrors.

**Note:** The power folding mirrors operate with the ignition on, and for several minutes after you switch the ignition off.

**Note:** You can only fold the mirrors when the adjustment control is set to position B.

**Note:** If you fold and unfold the mirrors several times within one minute, the power fold function may turn off to protect the motors from overheating.

**Note:** Do not manually fold or unfold power folding mirrors.

### Loose Mirror

If your power-folding mirrors are manually folded, they may not work properly, even after you re-position them. You need to reset them if:

- The mirrors vibrate when you drive.
- The mirrors feel loose.
- The mirrors do not stay in the folded or unfolded position.
- One of the mirrors is not in its normal driving position.

To reset the power-fold feature, use the power-folding mirror control to fold and unfold the mirrors. You may hear a loud noise as your reset the power-folding mirrors. This sound is normal. Repeat this process as needed each time the mirrors are manually folded.

## INTERIOR MIRROR - VEHICLES WITH: AUTO-DIMMING INTERIOR MIRROR/INTERIOR MIRROR WITH CAMERA DISPLAY



**WARNING:** Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.

The mirror dims to reduce the effect of bright light from behind. It returns to normal when the bright light from behind is no longer present or if you shift into reverse (R).

Do not block the sensors on the front and back of the mirror.

**Note:** A rear center passenger or raised rear center head restraint could prevent light from reaching the sensor.

## INTERIOR MIRROR - VEHICLES WITH: INTERIOR MIRROR

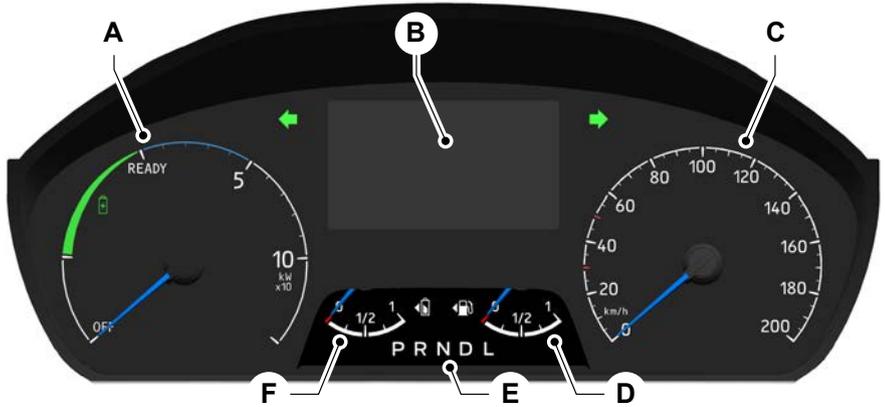


**WARNING:** Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.

Pull the tab below the mirror toward you to reduce the effect of bright light from behind.

# Instrument Cluster

## GAUGES - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



- A Power gauge.
- B Information display.
- C Speedometer.
- D Fuel gauge.
- E Automatic transmission position indicators.
- F High voltage battery level indicator.

### Power Gauge

Shows the instantaneous power consumption of your vehicle.

The green section indicates that the high voltage battery is charging when braking, decelerating or driving downhill.

The blue section indicates efficient vehicle driving.

The white section indicates that the high voltage battery is discharging when accelerating. Driving your vehicle in this section for long periods of time can result in a loss of vehicle performance.

### Information Display

The information display shows the following information:

- Odometer
- Trip computer.
- MyView information.
- Driver assistance information.
- Navigation information.
- Audio information.
- Phone information.
- Vehicle and system settings.

# Instrument Cluster

- Outside air temperature.
- Shift indicator.

## Odometer

Records the total distance traveled by your vehicle.

The system detects unauthorized odometer adjustments to avoid total distance reading fraud. If the system detects an unauthorized odometer adjustment, the total distance reading displays XXXX. Recovery of the original mileage could result in system damage not covered by the vehicle Warranty and may carry a significant expense.

## Trip Computer

See **Trip Computer** (page 90).

## Vehicle and System Settings

Use the information display control on the steering wheel to adjust various system settings. See **General Information** (page 88).

## Speedometer

Shows the vehicle speed.

## Fuel Gauge

The fuel gauge indicates approximately how much fuel is in the fuel tank.

The arrow adjacent to the fuel pump symbol indicates on which side of your vehicle the fuel filler door is located.



A



B

E236403

- A The fuel filler door is on the left-hand side of your vehicle.
- B The fuel filler door is on the right-hand side of your vehicle.

## Automatic Transmission Position Indicators

The instrument cluster displays the current position. See **Automatic Transmission** (page 181).

## High Voltage Battery Level Indicator

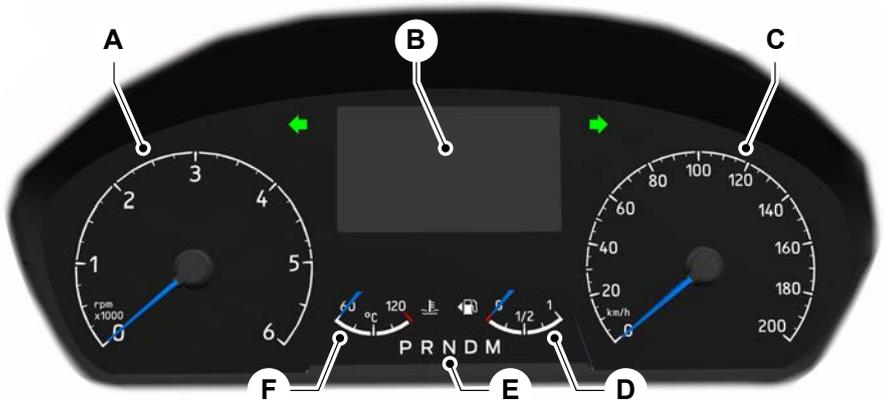
Indicates the amount of energy stored in the high voltage battery. The level increases or decreases as the battery charges and discharges during normal operation. See **Plug-In Hybrid Vehicle Operation** (page 142).



The arrow adjacent to the battery symbol indicates on which side of your vehicle the charge port is located.

# Instrument Cluster

## GAUGES - EXCLUDING: PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



E260059

- A Tachometer.
- B Information display.
- C Speedometer.
- D Fuel gauge.
- E Automatic transmission position indicators.
- F Engine coolant temperature gauge.

### Tachometer

Shows the engine speed.

### Information Display

The information display shows the following information:

- Odometer
- Trip computer.
- MyView information.
- Driver assistance information.
- Navigation information.

- Audio information.
- Phone information.
- Vehicle and system settings.
- Outside air temperature.
- Shift indicator.

### Odometer

Records the total distance traveled by your vehicle.

# Instrument Cluster

The system detects unauthorized odometer adjustments to avoid total distance reading fraud. If the system detects an unauthorized odometer adjustment, the total distance reading displays XXXX. Recovery of the original mileage could result in system damage not covered by the vehicle Warranty and may carry a significant expense.

## Trip Computer

See **Trip Computer** (page 90).

## Vehicle and System Settings

Use the information display control on the steering wheel to adjust various system settings. See **General Information** (page 88).

## Speedometer

Shows the vehicle speed.

## Fuel Gauge

The fuel gauge indicates approximately how much fuel is in the fuel tank.

The arrow adjacent to the fuel pump symbol indicates on which side of your vehicle the fuel filler door is located.



A



B

E236403

- A The fuel filler door is on the left-hand side of your vehicle.
- B The fuel filler door is on the right-hand side of your vehicle.

## Automatic Transmission Position Indicators (If Equipped)

The instrument cluster displays the current position. See **Automatic Transmission** (page 181).

## Engine Coolant Temperature Gauge

At normal operating temperature, the needle remains in the center section.

If the needle enters the red section, the engine is overheating. If you continue to operate the engine at high engine speeds with the needle in the red section, the engine speed reduces automatically to prevent engine damage. Stop your vehicle as soon as it is safe to do so, switch the engine off and allow it to cool.

**Note:** Do not restart the engine until the cause of overheating has been determined and resolved.

## WARNING LAMPS AND INDICATORS

The following warning lamps and indicators alert you to a vehicle condition that may become serious. Some lamps illuminate when you start your vehicle to make sure they work. If any lamps remain on after starting your vehicle, refer to the respective system warning lamp for further information.

**Note:** Some warning indicators appear in the information display and operate the same as a warning lamp but do not illuminate when you start your vehicle.

## 12V Battery Charging Condition Warning Lamp



It illuminates when you switch the ignition on.

# Instrument Cluster

If it illuminates when the engine is running this indicates a malfunction. Have your vehicle checked as soon as possible.

## Adaptive Cruise Control Indicator

(If Equipped)



It illuminates when you switch the system on.

It illuminates white when the system is in standby mode. It illuminates green when you set the adaptive cruise speed.

See **Using Adaptive Cruise Control** (page 206).

## Airbag Warning Lamp



If it does not illuminate when you switch the ignition on, continues to flash or remains on when the engine is running, this indicates a malfunction. Have your vehicle checked as soon as possible.

## Anti-Lock Brake System Warning Lamp



If it illuminates when you are driving, this indicates a malfunction. Your vehicle continues to have normal braking without the anti-lock brake system function. Have your vehicle checked as soon as possible.

## Automatic Headlamp High Beam Indicator (If Equipped)



It illuminates to confirm when the system is ready to assist.

See **Automatic High Beam Control** (page 69).

## Auto-Start-Stop Indicator



It illuminates green when the engine stops. It flashes amber and a message appears when you need to take an action.



It illuminates grey with a strike out when the system is not available.

**Note:** You can display the reason why the system is not available in the information display.

## Blind Spot Information System Indicator (If Equipped)



It illuminates when you switch the system off.

See **Blind Spot Information System** (page 222).

## Brake Pad Wear Warning Lamp



It illuminates when the brake pads have worn down to a predetermined limit. Have your vehicle checked as soon as possible.

## Brake System Warning Lamp



**WARNING:** Driving your vehicle with the warning lamp on is dangerous. A significant decrease in braking performance may occur. It may take you longer to stop your vehicle. Have your vehicle checked as soon as possible. Driving extended distances with the parking brake engaged can cause brake failure and the risk of personal injury.



It illuminates when you engage the parking brake and the ignition is on.

# Instrument Cluster

If it illuminates when your vehicle is moving, make sure the parking brake is disengaged. If the parking brake is disengaged, this indicates low brake fluid level or a brake system fault. Have your vehicle immediately checked.

## Coolant Temperature Warning Lamp



If it illuminates when your vehicle is moving, this indicates a system malfunction. Stop your vehicle as soon as it is safe to do so and switch your vehicle off. Have your vehicle checked as soon as possible.

## Cruise Control Indicator



It illuminates when you switch the system on.

See **Using Cruise Control** (page 205).

## Diesel Exhaust Fluid Warning Lamp



It illuminates when the diesel exhaust fluid is low. If the level is sufficient, this indicates a system malfunction. Have your vehicle checked as soon as possible. See **Selective Catalytic Reductant System** (page 162).

## Direction Indicator



It illuminates when you switch a direction indicator or the hazard flashers on. Flashes during operation. An increase in the rate of flashing warns of a failed indicator bulb.

## Door Ajar Warning Lamp



It illuminates when you switch the ignition on and remains on if any door or the hood is open.

## Engine Warning Lamps



Malfunction Indicator Lamp

If it illuminates when the engine is running this indicates a malfunction. If it flashes when you are driving, immediately reduce the vehicle speed. Avoid heavy acceleration and deceleration and have your vehicle checked as soon as possible.



Powertrain Warning Lamp

If it illuminates when the engine is running this indicates a malfunction. If it flashes when you are driving, immediately reduce the vehicle speed. Avoid heavy acceleration and deceleration and have your vehicle checked as soon as possible.

If both lamps illuminate when the engine is running, stop your vehicle as soon as it is safe to do so. Continuing to drive your vehicle may cause reduced power or the engine to stop. Switch the ignition off and attempt to restart the engine. Have your vehicle checked as soon as possible.

## Fasten Seatbelt Warning Lamp



It illuminates and a chime sounds until you fasten the seatbelts.

See **Seatbelt Reminder** (page 36).

## Front Fog Lamp Indicator



It illuminates when you switch the front fog lamps on.

# Instrument Cluster

## Frost Warning Lamp



**WARNING:** Even if the temperature rises to above 4°C (39°F) there is no guarantee that the road is free of hazards caused by inclement weather.



It illuminates when the outside air temperature is 4°C (39°F) or below.

## Glow Plug Indicator



If it illuminates, wait until it turns off before starting.

## Headlamp High Beam Indicator



It illuminates when you switch the headlamp high beam on.

## Lamps on Indicator



It illuminates when you switch the headlamp low beam or the side and rear lamps on.

## Lane Keeping Alert Indicator



It illuminates when you switch the system on.

See **Lane Keeping System** (page 219).

## Low Fuel Level Warning Lamp



If it illuminates when you are driving, refuel as soon as possible.

## Low Tire Pressure Warning Lamp

(If Equipped)



It illuminates if the tire pressure in one or more tires is below the correct tire pressure.

See **What Is the Tire Pressure Monitoring System** (page 364).

## Oil Pressure Warning Lamp



**WARNING:** If it illuminates when you are driving do not continue your journey, even if the oil level is correct. Have your vehicle checked.



If it illuminates when the engine is running this indicates a malfunction. Stop your vehicle as soon as it is safe to do so and switch the engine off. Check the engine oil level. See **Engine Oil Check** (page 310).

If the oil level is sufficient, this indicates a system malfunction. Have your vehicle immediately checked.

## Pre-Collision Assist Warning Lamp



It illuminates if your vehicle rapidly approaches another vehicle, to warn you of the risk of a crash with the vehicle in front of you.

It could illuminate red if the distance to the vehicle ahead is small.

It illuminates amber when you switch the system off.

It illuminates when the system is not available.

# Instrument Cluster

## Ready to Drive Indicator



It illuminates when you switch your vehicle on and it is ready to drive. A message may appear in the information display.

## Rear Fog Lamp Indicator



It illuminates when you switch the rear fog lamps on.

## Secondary Interior Heater Indicator



It illuminates when you switch the system on.

## Shift Indicator



It illuminates to advise you that shifting to a higher or lower gear may give better performance, fuel economy or lower emissions.



## Stability Control and Traction Control Indicator



Flashes during operation.

If it does not illuminate when you switch the ignition on, or remains on when the engine is running, this indicates a malfunction. Have your vehicle checked as soon as possible.

**Note:** *The system is designed to turn off if it detects a malfunction.*

See **Stability Control** (page 192). See **Traction Control** (page 191).

## Stability Control and Traction Control Off Warning Lamp



It illuminates when you switch the system off.

## Stop Safely Warning Lamp



It illuminates if your vehicle has an electrical component fault or failure that causes the vehicle to shutdown or enter into a limited operating mode. A message may appear in the information display.

## Vehicle Plugged in Indicator



It illuminates when your vehicle is plugged in. A message may appear in the information display after attempting to start your vehicle.

**Note:** *This does not indicate that your vehicle is charging.*

## Water In Fuel Warning Lamp



If it illuminates when the engine is running this indicates there is excess water in the fuel filter.

See **Fuel Filter Service Indicator Check** (page 319).

## AUDIBLE WARNINGS AND INDICATORS

### Airbag Secondary Warning

Sounds when the airbag warning lamp is not working.

### Automatic Transmission

Sounds when you switch the ignition off or open the driver door and the transmission is not in park (P).

### Door Ajar

Sounds when a door is not fully closed and your vehicle is moving.

# Instrument Cluster

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## **Emergency Door Open (If Equipped)**

Continuously sounds when the emergency door is open.

## **Engine On**

Sounds when the driver door is open and the key is in the ignition. Sounds when you open the driver door and Auto-Start-Stop has turned the engine off.

## **Exterior Lamps On**

Sounds when you open the driver door and the exterior lamps are on.

## **Parking Brake On**

Sounds when the parking brake is on and your vehicle is moving.

If the warning tone continues after you have released the parking brake, this indicates a malfunction. Have your vehicle checked as soon as possible.

## **Seatbelt Reminder**

Sounds when the driver seatbelt is unfastened and your vehicle is moving.

# Information Displays

## GENERAL INFORMATION



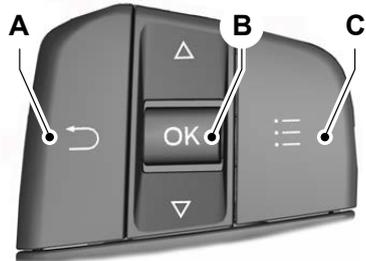
**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

**Note:** For your safety, some features are speed-dependent. Their use is limited to when your vehicle speed is not moving.

## Information Display Controls



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E250032

- A Return button.
- B OK button.
- C Menu button.

### Return Button

Use the return button to go back or to exit.

### OK Button

Use the **OK** button to make a selection. You can also use it to scroll through a menu.

### Menu Button

Use the menu button on the main screen to display the submenu. You can also use it to go back to the main screen.

## Information Display Menus

### Main Menu

Menu Item
<b>Trip computer 1</b> or <b>Trip computer 2</b>
MyView
Driver assist.
Navigation

# Information Displays

Menu Item
Audio
Phone
Settings

## Submenus

### *Trip computer 1 and Trip computer 2*

Menu Item
Trip computer 1
Trip computer 2
Reset individual values
Configure view

## MyView

Menu Item
Digital speedometer
Fuel economy
Trip computer/audio
Eco coach
Calm screen

## Driver assist.

Menu Item
Traction control
BLIS
Trailer BLIS
Pre-collision Assist
Traffic sign recognition
Lane keeping system

Menu Item
Driver alert
Hill Start Assist
Cross traffic alert
Eco coach
Trailer control
Cruise control
Speed limiter
Rear Park Pilot

## Navigation

Menu Item
Home
Favourite destinations
Previous destinations

## Audio

Menu Item
Radio
USB device.
Bluetooth device.

## Phone

Menu Item
All calls
Incoming calls
Missed calls
Outgoing calls

# Information Displays

## Settings

Menu Item
Information
Display
Driver assistance
Vehicle settings
Vehicle maintenance
MyKey

## TRIP COMPUTER

You can reset the trip computer and personalize it using the information display. See **Information Displays** (page 88).

### Resetting the Trip Computer

Navigate to the following main menu item.

Menu Item	Action
Trip computer 1	Press and hold the <b>OK</b> button until the system reset confirmation appears.
Trip computer 2	Press and hold the <b>OK</b> button until the system reset confirmation appears.

Alternatively you can reset individual trip values.

Menu Item	Action
Trip computer 1	Press the menu button.
Trip computer 2	Press the menu button.
Reset individual values	Press the <b>OK</b> button.
Reset trip odometer	Press and hold the <b>OK</b> button until the system reset confirmation appears.
Reset trip timer	Press and hold the <b>OK</b> button until the system reset confirmation appears.
Reset average fuel	Press and hold the <b>OK</b> button until the system reset confirmation appears.
Reset average speed	Press and hold the <b>OK</b> button until the system reset confirmation appears.

# Information Displays

## Personalization

Navigate to the following main menu item.

Menu Item	Action
Trip computer 1	Press the menu button.
Trip computer 2	Press the menu button.
Configure view	Press the <b>OK</b> button.
Trip odometer	Press the <b>OK</b> button.
Trip timer	Press the <b>OK</b> button.
Average fuel consumption	Press the <b>OK</b> button.
Average speed	Press the <b>OK</b> button.
Distance to empty	Press the <b>OK</b> button.
Instantaneous fuel	Press the <b>OK</b> button.

**Note:** You can display a maximum of four values.

### Trip Odometer

Registers the total distance since you last reset the value.

### Trip Timer

Registers the total time since you last reset the value.

### Average Fuel

Indicates the average fuel consumption since you last reset the value.

### Average Speed

Indicates the average vehicle speed since you last reset the value.

### Distance to Empty

Indicates the approximate distance your vehicle could travel on the fuel remaining in the fuel tank. Changes in driving pattern may cause the value to vary.

### Instantaneous Fuel

Indicates the current fuel consumption.

# Information Displays

## PERSONALIZED SETTINGS

### Language

Menu Item	Action
Settings	Press the menu button.
Display	Press the <b>OK</b> button.
Language	Press the <b>OK</b> button. Choose your applicable setting.

### Measure Unit

Menu Item	Action
Settings	Press the menu button.
Display	Press the <b>OK</b> button.
Measurement unit	Press the <b>OK</b> button. Choose your applicable setting.

### Temperature Unit

Menu Item	Action
Settings	Press the menu button.
Display	Press the <b>OK</b> button.
Temperature unit	Press the <b>OK</b> button. Choose your applicable setting.

### Tire Pressure Unit (If Equipped)

Menu Item	Action
Settings	Press the menu button.
Display	Press the <b>OK</b> button.
Tyre pressure	Press the <b>OK</b> button. Choose your applicable setting.

# Information Displays

## Chimes

Menu Item	Action
Settings	Press the menu button.
Vehicle settings	Press the <b>OK</b> button.
Chimes	Press the <b>OK</b> button.
Parking space found	Press the <b>OK</b> button.
Information	Press the <b>OK</b> button.

## INFORMATION MESSAGES



E259919

Press the **OK** button to acknowledge and remove some messages from the information display. You need to confirm certain messages before you can access the menus. The information display will automatically remove other messages after a short period of time.

**Note:** Depending on vehicle options and instrument cluster type fitted, not all of the following information messages display or are available. The information display may abbreviate or shorten certain messages.

## Airbag

Message	Action
Airbag malfunction Service now	Have your vehicle checked as soon as possible.

# Information Displays

## Air Suspension

Message	Action
Air suspension malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
Air suspension on due to vehicle speed	No action required. Displays when the system turns the air suspension on after you drive the vehicle over a preset speed.

## Automatic High Beam Control

Message	Action
Front camera Low visibility Clean screen	Displays when the front camera sensor has reduced visibility. Clean the windshield.
Front camera malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
Front camera temporarily not available	Displays if the front camera sensor malfunctions. Wait a short period of time for the sensor to cool down. If the message continues to appear, have your vehicle checked as soon as possible.

## Battery and Charging System

Message	Action
Electrical system over-voltage Stop safely	Stop your vehicle as soon as it is safe to do so and switch the engine off. Have your vehicle checked as soon as possible.
Battery low See manual	Displays if the battery is low or has no charge. Have your vehicle checked as soon as possible.

## Cruise Control and Adaptive Cruise Control

Message	Action
Front radar sensor blocked See manual	Displays when the sensor has reduced visibility. See <b>Cruise Control</b> (page 205).
Adaptive cruise not available	Displays when the system is not available. See <b>Cruise Control</b> (page 205).
Forward Alert malfunction	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

## Information Displays

Message	Action
	See <b>Cruise Control</b> (page 205).

### Diesel Exhaust Fluid (AdBlue) Level

Message	Action
AdBlue® low Range XXXX mls	Indicates the approximate distance remaining before the diesel exhaust fluid tank will be empty.
AdBlue® low Range XXXX km Refill soon	Indicates the approximate distance remaining before the diesel exhaust fluid tank will be empty. Refill the diesel exhaust fluid tank as soon as possible. See <b>Selective Catalytic Reductant System</b> (page 162).
AdBlue® low No engine start in XXXX km	Indicates the approximate distance remaining before the diesel exhaust fluid tank will be empty and when it will restrict the engine from starting. Refill the diesel exhaust fluid tank as soon as possible. See <b>Selective Catalytic Reductant System</b> (page 162).
AdBlue® level empty. Refill to start engine	The diesel exhaust fluid tank is empty and is restricting the engine from starting. Refill the diesel exhaust fluid tank. The minimum AdBlue refill quantity required to restart the engine is 5.7 L (1.3 gal). See <b>Selective Catalytic Reductant System</b> (page 162).

**Note:** When filling the diesel exhaust fluid tank from empty, there may be a short period before the increased diesel exhaust fluid level is registered.

**Note:** If your vehicle is on a gradient, the minimum diesel exhaust fluid refill quantity required to restart the engine may be greater than 5.7 L (1.3 gal).

### Diesel Exhaust Fluid (AdBlue) System Malfunction

Message	Action
AdBlue® sys malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
AdBlue® sys No engine start in XXXX km	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
AdBlue® sys Service required to start engine	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

# Information Displays

## Door Open

Message	Action
Vehicle is on	Displays if you open the driver door when the engine is running and the vehicle speed is 5 km/h (3 mph) or less. Displays if you open the driver door when the auto-start-stop system has turned the engine off.

## Engine

Message	Action
Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
High engine temperature Stop safely	Displays when the engine temperature is too high. Stop your vehicle as soon as it is safe to do so, switch the engine off and allow it to cool. If the message continues to appear, have your vehicle checked as soon as possible. See <b>Engine Coolant Check</b> (page 312).
Change engine oil soon	Displays when the engine oil life is becoming depleted. Have the engine oil changed as soon as possible. Do not ignore engine oil change indicators and information messages. Resulting component damage is not covered by the warranty.
Oil change required	Displays when the engine oil life is depleted. Engine torque reduces to further indicate risk of engine damage. Have the engine oil changed immediately.

## Exhaust Filter

Message	Action
Exhaust filter at limit Drive to clean now	If driving conditions and speed limitations on the road allow, drive the vehicle continuously for 30 km (20 mi) with a minimum average speed of 60 km/h (40 mph) to clean the diesel particulate filter. Failure to respond to a warning lamp or information message may cause component damage not covered by the vehicle Warranty.
Exhaust filter over limit Service now	Displays when the exhaust filter is overloaded.

# Information Displays

Message	Action
	Have your vehicle checked as soon as possible. Failure to respond to a warning lamp or information message may cause component damage not covered by the vehicle Warranty.

## Fuel System

Message	Action
Water detected in fuel Service required	Displays if the system detects there is excess water in the fuel filter. See <b>Draining the Fuel Filter Water Trap</b> (page 311). See <b>Draining the Fuel Filter Water Trap</b> (page 311).

## Hill Start Assist

Message	Action
Hill start assist not available	Displays when hill start assist is not available. Have your vehicle checked as soon as possible. See <b>Hill Start Assist</b> (page 189).

## Maintenance

Message	Action
Oil change required	Displays when the engine oil life is depleted and your vehicle requires an oil change.
Brake fluid level low Service now	Displays if the brake fluid level is low or if there is a brake system fault. See <b>Brake Fluid Check</b> (page 315). Have your vehicle immediately checked.
Brake pad wear Service now	Displays when the brake pads have worn down to a predetermined limit.
Washer fluid level low	Displays when the washer fluid is low and needs to be refilled. See <b>Washer Fluid Check</b> (page 319).

# Information Displays

## Parking Aid

Message	Action
Parking aid malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible. See <b>Rear Parking Aid</b> (page 193).

## Parking Brake

Message	Action
Park brake applied	Displays when the parking brake is set, the engine is running and your vehicle speed is above 10 km/h (6 mph). If the warning message remains on after you have released the parking brake, the system has detected a fault that requires service. Have your vehicle checked as soon as possible.

## Pre-Collision Assist

Message	Action
Forward Alert not available	Displays when the system is not available. See <b>Pre-Collision Assist</b> (page 233).

## Starting System

Message	Action
Press brake to start	Displays when you start your vehicle as a reminder to fully press the brake pedal. See <b>Starting and Stopping the Engine</b> (page 135).
Press clutch to start	Displays when you start your vehicle as a reminder to fully press the clutch pedal. See <b>Starting and Stopping the Engine</b> (page 135).
Cranking time exceeded	Displays if your vehicle fails to start. See <b>Starting and Stopping the Engine</b> (page 135).

# Information Displays

---

## Steering System

Message	Description
Steering malfunction Service now	The system has malfunctioned. Stop your vehicle as soon as it is safe to do so. You continue to have full steering but you need to exert greater force on the steering wheel. Have your vehicle checked as soon as possible.
Steering loss Stop safely	
Steering assist malfunction Service required	

## Traction Control

Message	Action
Traction control off	Displays when you switch the system off. See <b>Using Traction Control</b> (page 191).

# Remote Start - Automatic Transmission

## WHAT IS REMOTE START

The system allows you to remotely start your vehicle and therefore to heat or cool the interior to a predetermined temperature.

## REMOTE START LIMITATIONS

Remote start does not work if:

- The alarm horn is sounding.
- The hood is open.
- The transmission is not in park (P).
- Remote start is not enabled.
- The ignition is on.

**Note:** Do not use remote start if your fuel level is low.

## ENABLING REMOTE START

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Remote start**.
4. Switch **System** on.

**Note:** To use remote start, make sure that the modem is enabled. See **Enabling and Disabling the Modem** (page 395).

## REMOTELY STARTING AND STOPPING THE VEHICLE



**WARNING:** Do not start the engine in a closed garage or in other enclosed areas. Exhaust fumes are toxic. Always open the garage door before you start the engine. Failure to follow this instruction could result in personal injury or death.

Use the FordPass App to start the vehicle.

**Note:** The turn signal lamps flash twice.

**Note:** The parking lamps turn on when the vehicle is running.

**Note:** The horn sounds if the system fails to start.

**Note:** All other vehicle systems remain off when you have remotely started the vehicle.

**Note:** You may have to wait a short period of time before remotely starting the vehicle after the vehicle stops running.

**Note:** The vehicle remains secured when you have remotely started it. A valid key must be inside your vehicle to switch the ignition on and drive your vehicle.

**Note:** A maximum of two remote starts are allowed. After that you need to turn the ignition on and off before you can use remote start again.

Use the FordPass App to switch the vehicle off.

## REMOTE START SETTINGS

### Climate Control Settings

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Remote start**.
4. Select **Climate control**.
5. Select **Auto** or **Last settings**.

**Note:** If you select **Auto**, the system attempts to heat or cool the interior to 22°C (72°F).

**Note:** If you select **Last settings**, the system remembers the last used settings.

**Note:** You cannot adjust the climate control settings when you have remotely started the vehicle.

# Remote Start - Automatic Transmission

---

**Note:** *When you switch the ignition on, the climate control system returns to the last used settings.*

## Heated Seat Settings

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Remote start**.
4. Select **Seats**.
5. Select **Auto** or **Off**.

**Note:** *If you switch the heated seat settings to **Auto**, the heated seats turn on during cold weather.*

**Note:** *You cannot adjust the heated seat settings when you have remotely started the vehicle.*

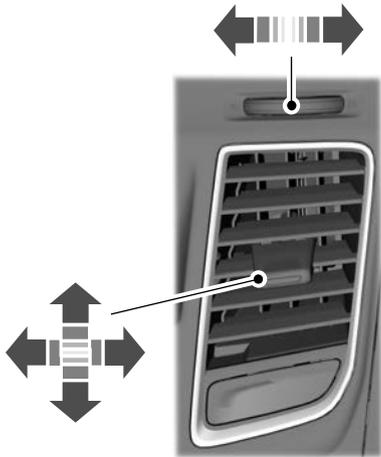
## Setting the Remote Start Duration

You can set a duration for Remote Start to run.

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Remote start**.
4. Select **Duration**.

# Climate Control

## AIR VENTS



E252151

## MANUAL CLIMATE CONTROL

### Switching the Climate Control On and Off



### Switching the Recirculated Air On and Off



**Note:** The air currently in the passenger compartment recirculates.

### Switching the Air Conditioning On and Off



**Note:** Under certain conditions, the air conditioning compressor could continue to operate after you switch air conditioning off.

### Switching Maximum Defrost On and Off



Turn the temperature control clockwise past the highest setting to maximize defrosting.

**Note:** The temperature control springs back to the highest setting.

**Note:** When you switch maximum defrost on, the heated windshield, heated rear window and air conditioning turn on. The blower motor is set to the highest speed.

**Note:** When you switch maximum defrost off, the heated windshield and heated rear window remain on.

### Switching Maximum Cooling On and Off



Turn the temperature control counterclockwise past the lowest setting to maximize cooling.

**Note:** The temperature control springs back to the lowest setting.

**Note:** When you switch maximum cooling off, air conditioning remains on.

### Setting the Blower Motor Speed



**Note:** Lights on the control illuminate to indicate the blower motor speed.

# Climate Control

**Note:** When you switch the blower motor off, air conditioning turns off and the windows could fog up.

## Directing Air to the Windshield Air Vents



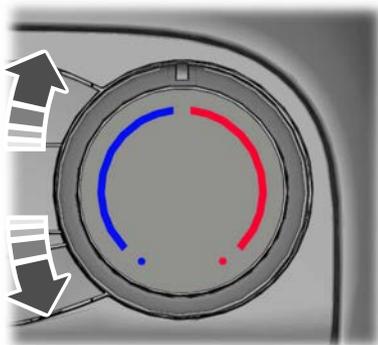
## Directing Air to the Instrument Panel Air Vents



## Directing Air to the Footwell Air Vents



## Setting the Temperature



Turn the temperature control counterclockwise for cooler temperature settings.

Turn the temperature control clockwise for warmer temperature settings.

## HINTS ON CONTROLLING THE INTERIOR CLIMATE

### General Hints

Do not place objects under the front seats as this may interfere with directing air to the rear seats.

Remove any snow, ice or leaves from the air intake area at the base of the windshield.

**Note:** You may feel a small amount of air from the footwell air vents regardless of the air distribution setting.

**Note:** To reduce humidity build-up inside your vehicle, do not drive with the system switched off or with recirculated air always switched on.

**Note:** To reduce fogging of the windshield during humid weather conditions, direct air to the windshield air vents.

**Note:** Prolonged use of recirculated air may cause the windows to fog up.

**Note:** Use air conditioning with recirculated air to improve cooling performance and efficiency.

### Quickly Heating the Interior

- Select the highest blower motor speed.
- Select the highest temperature.
- Direct air to the footwell air vents.

### Recommended Settings for Heating

- Select a medium blower motor speed.
- Select the required temperature.
- Direct air to the footwell and windshield air vents.

### Quickly Cooling the Interior

- Select maximum cooling.

# Climate Control

**Note:** To improve the time to reach a comfortable temperature in hot weather, drive with the windows open until you feel cold air through the air vents.

## Recommended Settings for Cooling

- Select a medium blower motor speed.
- Select the required temperature.
- Direct air to the instrument panel air vents.
- Press A/C.

## Defogging the Side Windows in Cold Weather

- Select maximum defrost.

## Defogging or Clearing the Windshield of Thin Ice

- Select maximum defrost.

## REAR PASSENGER CLIMATE CONTROLS

### Adjusting the Blower Motor Speed



### Directing Air to the Overhead Air Vents



When you direct air to the overhead air vents, the system distributes cold air.

### Directing Air to the Footwell Air Vents



When you direct air to the footwell air vents, the system distributes hot air.

## Directing Air to the Overhead Air Vents and the Footwell Air Vents



When you direct air to the Overhead and footwell air vents, the system distributes warm air.

## HEATED WINDSHIELD



Press the button to clear the windshield of thin ice and fog. The heated windshield turns off after a short period of time.

**Note:** Make sure that the engine is running before switching the heated windshield on.

**Note:** The system does not operate if the battery charge level is low.

## HEATED REAR WINDOW



Press the button to clear the rear window of thin ice and fog. The heated rear window turns off after a short period of time.

**Note:** Make sure the engine is on before operating the heated windows.

**Note:** Do not use razor blades or other sharp objects to clean or remove decals from the inside of the heated rear window. The vehicle Warranty may not cover damage caused to the heated rear window grid lines.

## HEATED EXTERIOR MIRRORS - VEHICLES WITHOUT: HEATED REAR WINDOW



Press the button to clear the exterior mirrors of thin ice and fog. Press the button again to switch them off. They switch off after a short period of time.

# Climate Control

**Note:** Do not remove ice from the mirrors with a scraper or adjust the mirror glass when it is frozen in place. These actions could cause damage to the glass and mirrors.

**Note:** Do not clean the mirror housing or glass with harsh abrasives, fuel or other petroleum-based cleaning products.

## HEATED EXTERIOR MIRRORS - VEHICLES WITH: HEATED REAR WINDOW

When you switch the heated rear window on, the heated exterior mirrors turn on.

**Note:** Do not remove ice from the mirrors with a scraper or adjust the mirror glass when it is frozen in place.

**Note:** Do not clean the mirror housing or glass with harsh abrasives, fuel or other petroleum-based cleaning products. The vehicle warranty may not cover damage caused to the mirror housing or glass.

## AUXILIARY HEATER

### Principle of Operation

The system is designed to improve the heating time of your engine while it is on. It automatically turns on or off depending on the outside air temperature and the coolant temperature.

The system warms the engine and the vehicle interior. It uses fuel from the vehicle fuel tank.

## Using Auxiliary Heater



**WARNING:** We recommend that you have a qualified technician check and repair the heater system after a crash. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Do not use the auxiliary heater at fuel filling stations or near sources of combustible vapors, dust or in enclosed spaces. Failure to follow this instruction could result in personal injury or death.

The system requires a minimum of 16 L (3.5 gal) of fuel in the vehicle fuel tank and the outside air temperature has to be below 5°C (41°F).

**Note:** The system does not operate if the battery charge level is low.

**Note:** Make sure the heater exhaust outlet, behind the right-hand front tire, is free from snow, ice, mud, and any other blockages to avoid issues with heater operation.

**Note:** When the system is on, exhaust fumes come from under your vehicle. This is normal.

You can switch the system on or off in the information display. See **General Information** (page 88).

**Note:** If the heater is in the process of stopping, excess fuel in the heater burns out and there is some heat, exhaust and noise.

## Parking Heater

### Principle of Operation

The system is designed to provide heat when your vehicle is parked.

The system warms the engine and the vehicle interior. It uses fuel from the vehicle fuel tank.

# Climate Control

The system only operates when your vehicle is stationary with the engine off.

**Note:** *Make sure the heater exhaust outlet, behind the right front tire, is free from snow, ice, mud, and any other blockages to avoid issues with heater operation.*

## Using Parking Heater



**WARNING:** We recommend that you have a qualified technician check and repair the heater system after a crash. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Do not use the parking heater at fuel filling stations or near sources of combustible vapors, dust or in enclosed spaces. Failure to follow this instruction could result in personal injury or death.

The system requires a minimum of 16 L (3.5 gal) of fuel in the vehicle fuel tank.

**Note:** *The system does not operate if the battery charge level is low.*

## Setting the Timer

**The system has three different modes, that you can set in the information display.**

Timer Mode	Description
Once	Allows you to set one heating cycle for a specific day. If conditions permit, the heater starts up to 40 minutes prior to the set date and time. <sup>1</sup>
Time one	Allows you to program a heating cycle for each day of the week. The time remains stored and the system warms up your vehicle prior to the programmed departure times.
Time two	Allows you to program a second heating cycle for each day of the week. The time remains stored and the system warms up your vehicle prior to the programmed departure times.

<sup>1</sup> You must set the day and time for this mode before you check the box in the information display.

When you correctly use the system it:

- Keeps the windows clear of thin ice and helps prevent condensation.
- Assists the engine to reach normal operating temperature sooner.

**Note:** *If the heater is in the process of stopping, excess fuel in the heater burns out and there is some heat, exhaust and noise.*

## System Settings

You can personalize the settings using the system settings menu in the information display. See **General Information** (page 88).

## Switching Continue Heat On

When you switch the ignition off, the heater starts or continues running if conditions permit for up to 30 minutes.

**Note:** *You can use this mode to maintain a warm cabin after you switch the ignition off. After the heater completes this mode, the check box in the information display resets to unchecked.*

# Climate Control

**Note:** The time and date on your vehicle clock must be correctly set.

## Switching the Parking Heater On and Off With the Remote Control

The parking heater transmitter allows you to remotely request the heater to start and run for up to 30 minutes or to stop all heater modes.

**Note:** Up to three transmitters can be paired to your vehicle.

**Note:** The LED light on the remote transmitter does not indicate the actual status of the heater. The light does not guarantee the heater received a signal to start or stop.

**Note:** The maximum possible range of the transmitter signal is approximately 600 m (2,000 ft). Electronic devices that operate in the same frequency may affect the range.

Press and hold the **ON** or **HEAT** button on the transmitter until a green LED light illuminates on the transmitter.

Press and hold the **OFF** button on the transmitter until a green LED light illuminates on the transmitter. This applies only for the heater mode running at the present time, so future timer settings or future continue heat settings do not disable.

**The following table lists the parking heater remote control indications.**

Transmitter LED	Description
Green	The transmitter sent a radio signal.
Flashing green	The transmitter sent a radio signal and the heater starts.
Fast flashing red	The transmitter sent a radio signal, but the heater did not receive the signal.
Slow flashing red	The transmitter sent a radio signal and the heater stops.

# Seats

## SITTING IN THE CORRECT POSITION



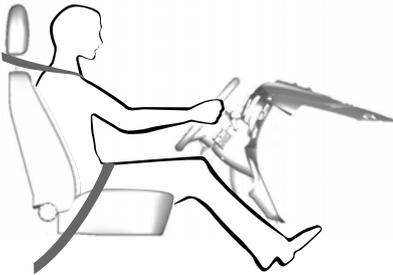
**WARNING:** Do not recline the seat backrest too far as this can cause the occupant to slide under the seatbelt, resulting in personal injury in the event of a crash.



**WARNING:** Always sit upright against your seatback with your feet on the floor.



**WARNING:** Do not place objects higher than the top of the seat backrest. Failure to follow this instruction could result in personal injury or death in the event of a sudden stop or crash.



When you use them properly, the seat, head restraint, seatbelt and airbags will provide optimum protection in the event of a crash.

We recommend that you follow these guidelines:

- Sit in an upright position with the base of your spine as far back as possible.
- Do not recline the seat backrest so that your torso is more than 30 degree from the upright position.
- Adjust the head restraint so that the top of it is level with the top of your head and as far forward as possible. Make sure that you remain comfortable.
- Keep sufficient distance between yourself and the steering wheel. We recommend a minimum of 25 cm (10 in) between your breastbone and the airbag cover.
- Hold the steering wheel with your arms slightly bent.
- Bend your legs slightly so that you can press the pedals fully.
- Position the shoulder strap of the seatbelt over the center of your shoulder and position the lap strap tightly across your hips.

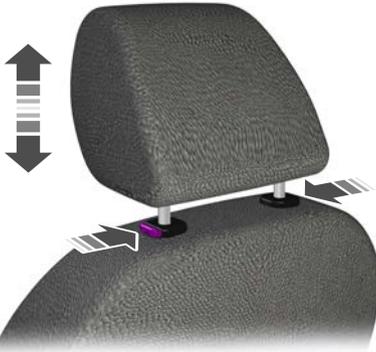
Make sure that your driving position is comfortable and that you can maintain full control of your vehicle.

## HEAD RESTRAINTS



**WARNING:** Fully adjust the head restraint before you sit in or operate your vehicle. This will help minimize the risk of neck injury in the event of a collision. Do not adjust the head restraint when your vehicle is moving.

# Seats



E66539

## Adjusting the Head Restraint

**WARNING:** Raise the rear head restraint when the rear seat is occupied by a passenger or a child restraint.

Adjust the head restraint so that the top of it is level with the top of your head.

## Removing the Head Restraint

Press the locking buttons and remove the head restraint.

**WARNING:** Rock the seat backward and forward after releasing the lever to make sure that it is fully latched.

**WARNING:** The driver's seat has removable stop bolts on the track to enable access to the vehicle battery. See **Changing the 12V Battery** (page 316).

## Moving the Seat Backward and Forward



E130249

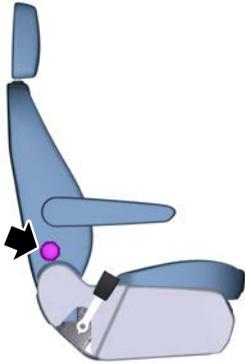
## MANUAL SEATS

**WARNING:** Do not adjust the driver's seat or seatback when your vehicle is moving.

**WARNING:** Do not place cargo or any objects behind the seatback before returning it to the original position. Pull on the seatback to make sure that it has fully latched after returning the seatback to its original position. An unlatched seat may become dangerous if you stop suddenly or have a collision.

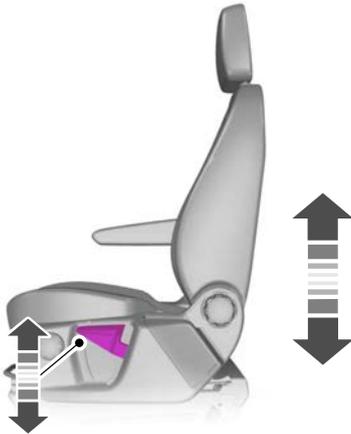
# Seats

## Adjusting the Lumbar Support



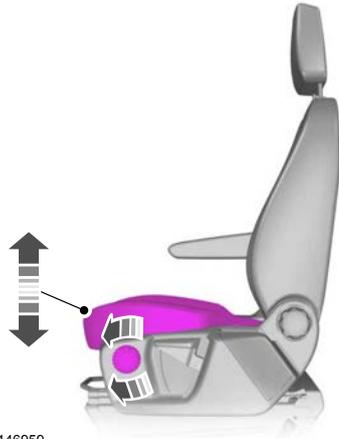
E146386

## Adjusting the Height of the Driver's Seat



E146384

## Seat Cushion Adjustment



E146959

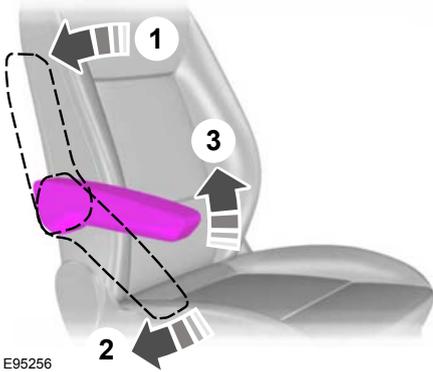
## Recline Adjustment



E146385

# Seats

## Adjusting the Armrest

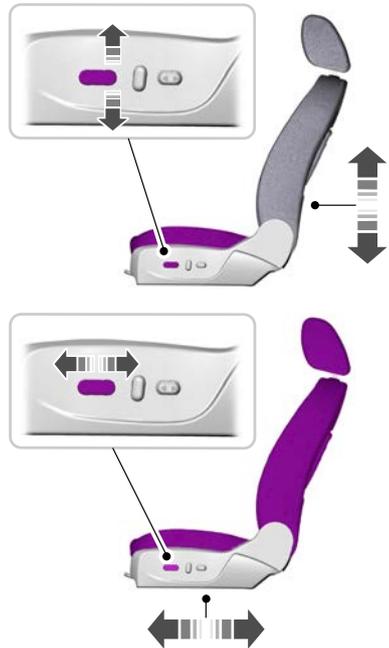
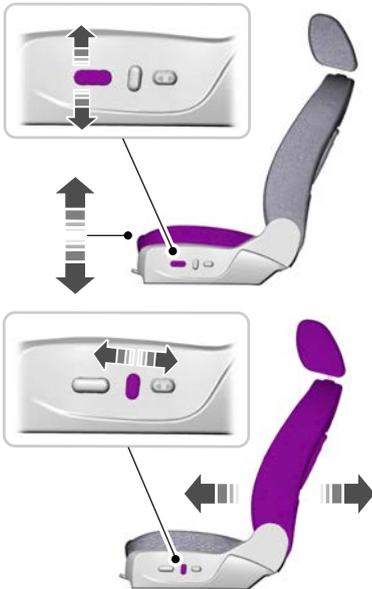


## POWER SEATS

**⚠ WARNING:** Do not adjust the driver seat when your vehicle is moving.

**⚠ WARNING:** Do not place cargo or any objects behind the seat backrest before returning it to the original position.

**⚠ WARNING:** The driver seat has removable stop bolts on the track to enable access to the vehicle battery. See **Changing the 12V Battery** (page 316).



E138647

# Seats

## Power Lumbar



E138648

## Recline Adjustment



E146605

With the seat occupied, lift the recline lever or pull the strap to recline the seat backrest.

## REAR SEATS - VAN

**WARNING:** Do not use the bench seats as a bed when your vehicle is moving. Failure to follow this warning could result in serious personal injury or death.

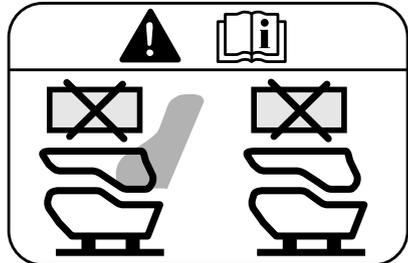
**WARNING:** Make sure that the seats and the seat backrests are secure and fully locked in their catches.

**WARNING:** Do not place any objects on a folded seat. Hard objects may become projectiles in a crash or sudden stop, which may increase the risk of serious personal injury.

**WARNING:** Do not sit in a seat facing a folded seat. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

## Folding the Seat Backrest

**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.



E187831

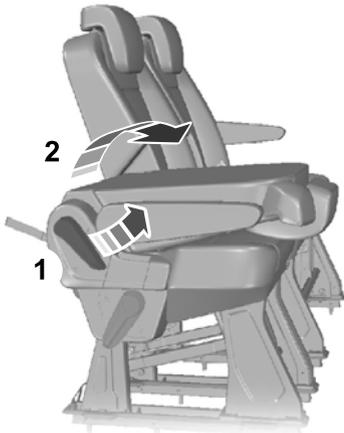
# Seats

## Easy Entry

### Accessing the Third Row Seats

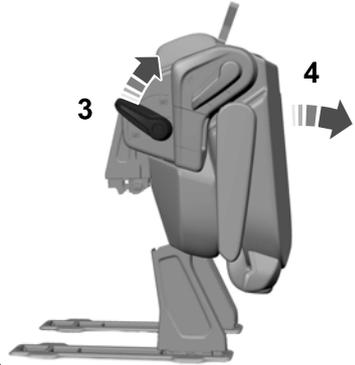
**WARNING:** Make sure the latch indicators are not protruding after you lock the seat legs into the floor catches.

**WARNING:** Make sure that you securely fasten the seat catches when installing. Make sure that the latches are correctly engaged by checking the red latch indicators.



E224141

1. Fold the seat backrest forward by pulling the upper lever, or pull the red strap on the seat backrest to release the seat backrest.
2. Move the seat backrest into the down position until the recliner engages.



E224142

3. Pull the lower lever up.
4. Lift and tilt the entire seat forward.

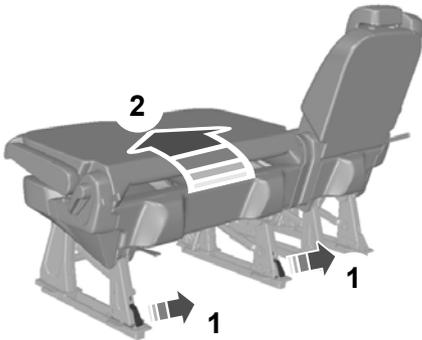
To bring the seat backrest to the seating position, reverse the order of the preceding steps.

### Removing the Seats

**WARNING:** Seats can weigh up to 60 kg (132 lb). Do not attempt to lift or carry any seat on your own.

**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.

# Seats

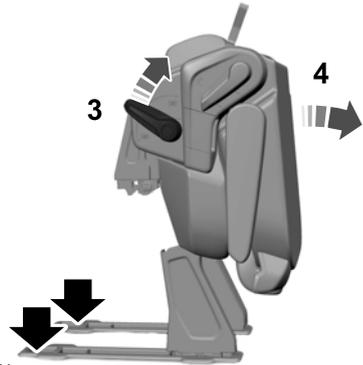


E146611

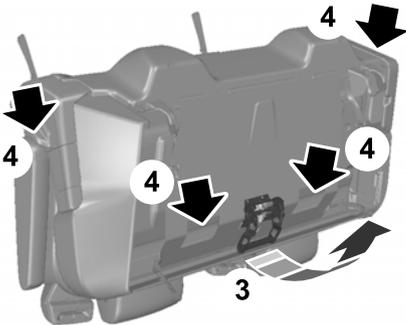
1. Fold all seat backrests forward. See **Accessing the Third Row Seats**.
2. Tilt the seat forward. For single seats, pull the lower lever up and tilt the seat forward. For dual seats, from the third row, pull both release straps and tilt the seat up with the straps.

4. Lift and remove the seat. For single seats, grab the seat on the side valance. For dual seats, grab the two sections next to the release handle.

**Note:** *The third row can be stored directly behind the second row to create loading space.*

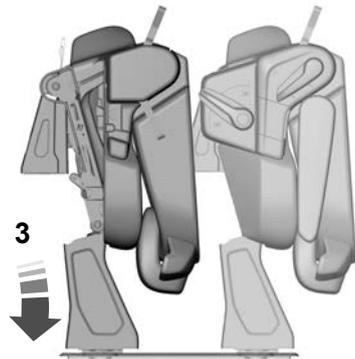


E224144



E224143

3. Pull the now accessible release handle to unlock the floor latches and tilt the seat gently forward.



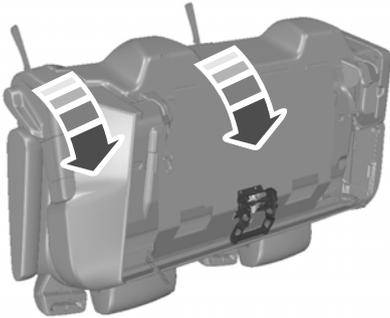
E187956

# Seats

## Installing the Seats



**WARNING:** Make sure that you securely fasten the seat catches when installing. Make sure that the latches are correctly engaged by checking the red latch indicators.

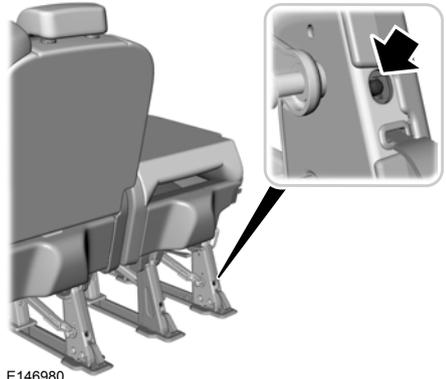


E224145

1. The floor latches are designed to catch when the seats are gently dropped into the floor rail.

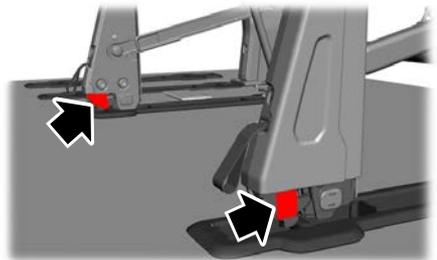
**Note:** If the seat latches do not catch, remove the seat by pulling the release handle again and repeat the process. See **Removing the Seats.**

2. For dual seats and the single third row seat, pull both upper straps and tilt the seat down into the seating position. For the second row single seat, pull the large lever rearward and tilt the seat down.



E146980

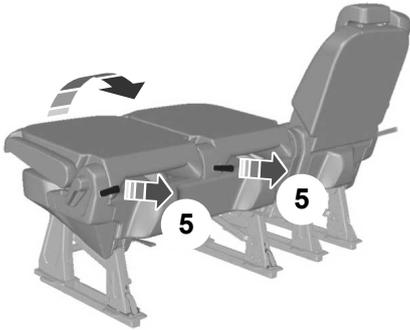
3. The seats have latch indicators at the bottom of each leg. Check the latch indicators after installing the seats.



E160371

4. Make sure that the red latch indicators on the bottom of the seat legs are not visible above floor level.

# Seats



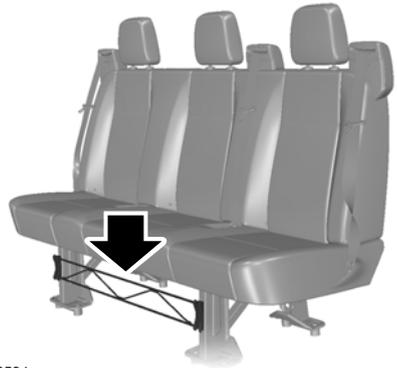
E263672

5. Release the seat backrest by pulling the red straps or the side upper lever and move the seat backrest up into the seating position until the recliner engages.

## Seat Storage

- Please handle all seats with care.
- Please store the seats in a dry and warm environment.
- Make sure the seats are securely fixed and cannot fall over.
- Pay special attention to the latches integrated in the seat feet. Store the seat on solid ground to prevent possible soiling to the latch mechanism.

## Double Cab



E146594

The under seat storage guard may be set to two different positions. Lift up the guard and pull out to remove.

## REAR SEATS - SHUTTLE BUS

-  **WARNING:** Do not use the bench seats as a bed when your vehicle is moving. Failure to follow this warning could result in serious personal injury or death.
-  **WARNING:** Make sure that the seats and the seat backrests are secure and fully locked in their catches.
-  **WARNING:** Do not place any objects on a folded seat. Hard objects may become projectiles in a crash or sudden stop, which may increase the risk of serious personal injury.
-  **WARNING:** Do not sit in a seat facing a folded seat. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

# Seats

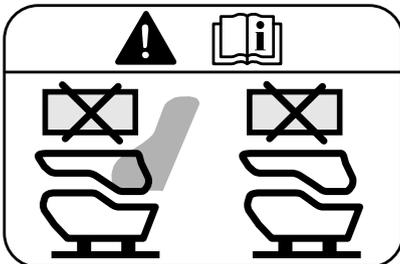
## Recline Adjustment



With the seat occupied, lift the recline lever or pull the strap to recline the seat backrest.

## Folding the Seat Backrest

**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.



E187831

## REAR SEATS - BUS

**WARNING:** Make sure that you properly secure objects in the luggage compartment. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

**WARNING:** Make sure that the seats and the seat backrests are secure and fully locked in their catches.

**WARNING:** Do not use the bench seats as a bed when your vehicle is moving. Failure to follow this warning could result in serious personal injury or death.

**WARNING:** Do not place any objects on a folded seat. Hard objects may become projectiles in a crash or sudden stop, which may increase the risk of serious personal injury.

**WARNING:** Do not sit in a rearward facing second row seat if any of the third row seats have been removed and the vehicle is moving. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

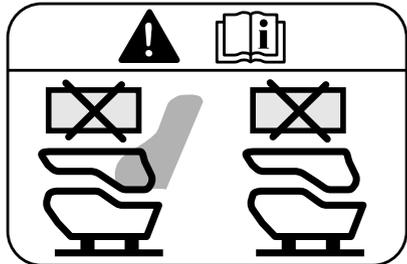
**WARNING:** Do not sit in a seat facing a folded seat. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

# Seats

With the seat occupied, lift the recline lever or pull the strap to recline the seat backrest.

## Folding the Seat Backrest

**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.



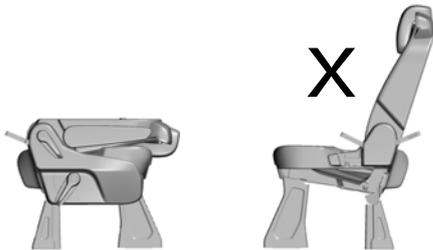
E187831

## Second Row Seats

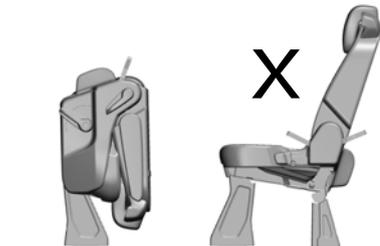
### Removing the Seats

**WARNING:** Seats can weigh up to 60 kg (132 lb). Do not attempt to lift or carry any seat on your own.

**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.



E263128



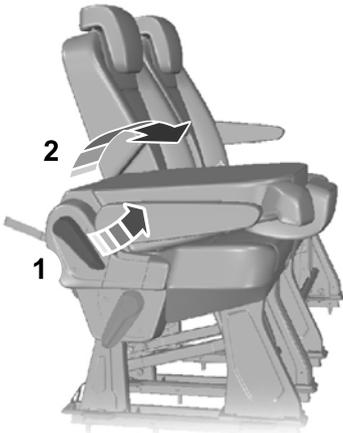
E263129

## Recline Adjustment



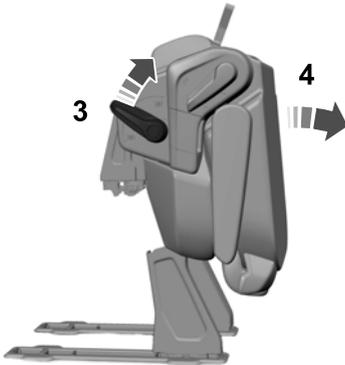
E146605

# Seats



E224141

1. Pull the upper lever or the strap to fold the seat backrest forward.
2. Fold the seat backrest until the recliner engages.



E224142

3. Pull the lower lever or the strap.
4. Lift and tilt the entire seat forward.
5. Pull the release handle to unlock the floor latches and tilt the seat gently forward.

6. Lift and remove the seat.

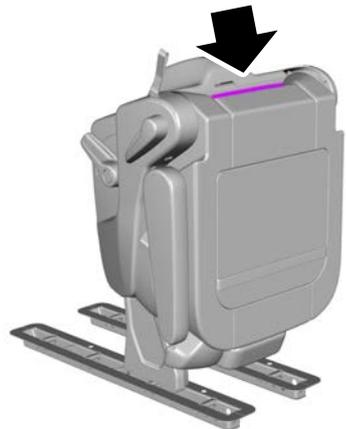
## Installing the Seats

**⚠ WARNING:** Make sure that all the seats in the row are facing the same direction. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.

**⚠ WARNING:** Make sure that the floor catches are free from obstruction before installing the seats.

**⚠ WARNING:** Make sure that you securely fasten the seat catches when installing. Make sure that the latches are correctly engaged by checking the red latch indicators.

Before installing a seat, check the label on the seat. The label shows where to install the seat and the direction of the seat.



E262598

1. If necessary, install the floor mats.

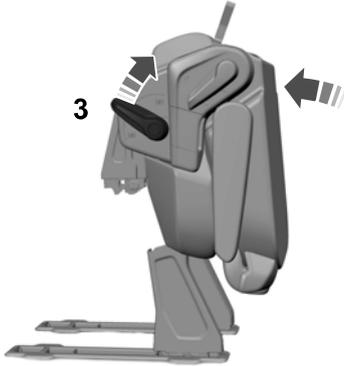
**Note:** *The floor mats position shows the direction of the second row seats.*

# Seats

2. Gently drop the seat into the floor rail.

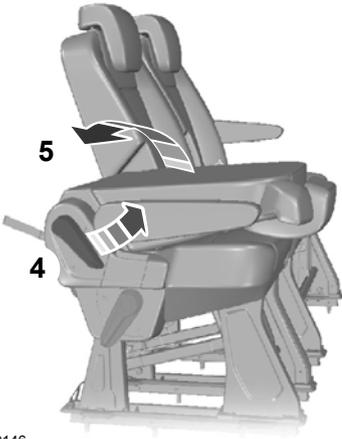
**Note:** The floor latches are designed to catch. A click sounds when it engages.

**Note:** If the seat latches do not catch, remove the seat by pulling the release handle again and repeat the process. See **Removing the Seats**.



E259147

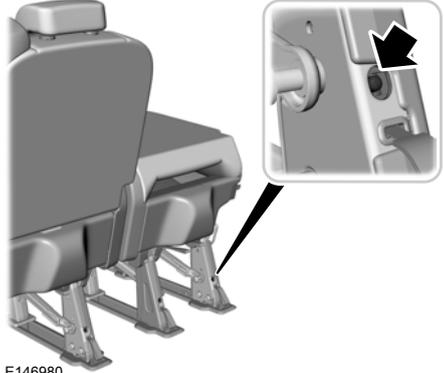
3. Pull the lower lever or the strap and tilt the seat down.



E259146

4. Pull the upper lever or the strap to unfold the seat backrest.

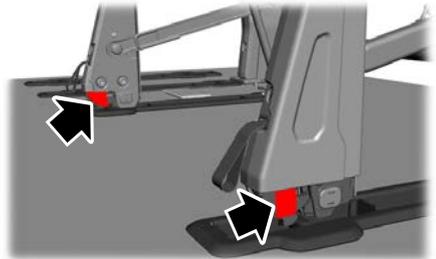
5. Unfold the seat backrest.



E146980

6. Check the latch indicators after installing the seats.

**Note:** The seats have latch indicators at the bottom of each leg.



E160371

7. Make sure that the red latch indicators on the bottom of the seat legs are not visible above floor level.

# Seats

## Third Row Seats

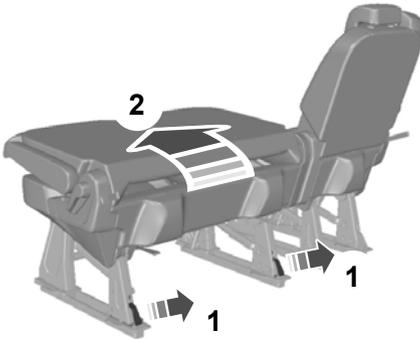
### Removing the Seats



**WARNING:** Seats can weigh up to 60 kg (132 lb). Do not attempt to lift or carry any seat on your own.

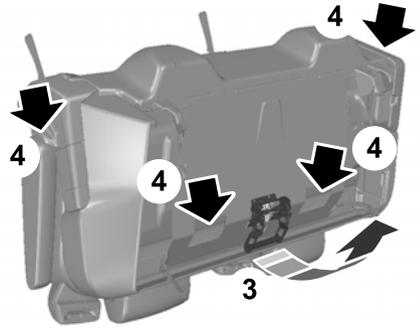


**WARNING:** When folding the seat backrest down, take care not to get your fingers caught in the mechanism.



E146611

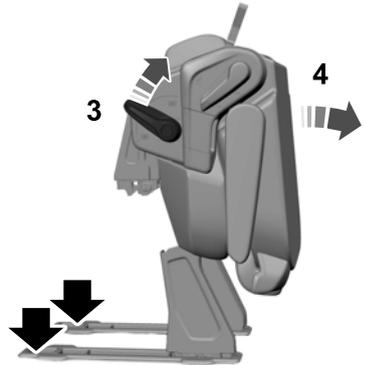
1. Fold all seat backrests forward. See **Accessing the Third Row Seats**.
2. Tilt the seat forward. For single seats, pull the lower lever up and tilt the seat forward. For dual seats, from the third row, pull both release straps and tilt the seat up with the straps.



E224143

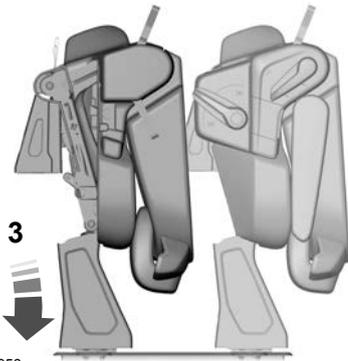
3. Pull the now accessible release handle to unlock the floor latches and tilt the seat gently forward.
4. Lift and remove the seat. For single seats, grab the seat on the side valance. For dual seats, grab the two sections next to the release handle.

**Note:** *The third row can be stored directly behind the second row to create loading space.*



E224144

# Seats

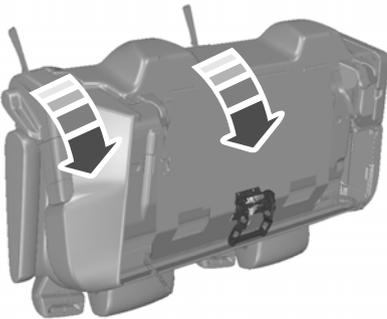


E187956

## Installing the Seats

**⚠ WARNING:** Make sure that the floor catches are free from obstruction before installing the seats.

**⚠ WARNING:** Make sure that you securely fasten the seat catches when installing. Make sure that the latches are correctly engaged by checking the red latch indicators.

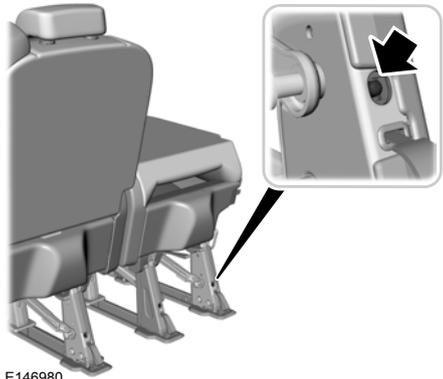


E224145

1. The floor latches are designed to catch when the seats are gently dropped into the floor rail.

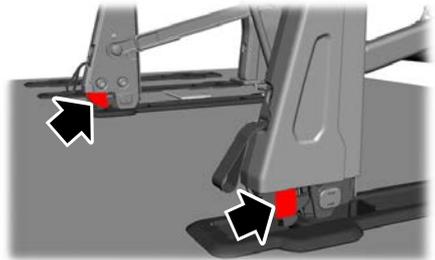
**Note:** If the seat latches do not catch, remove the seat by pulling the release handle again and repeat the process. See **Removing the Seats**.

2. For dual seats and the single third row seat, pull both upper straps and tilt the seat down into the seating position. For the second row single seat, pull the large lever rearward and tilt the seat down.



E146980

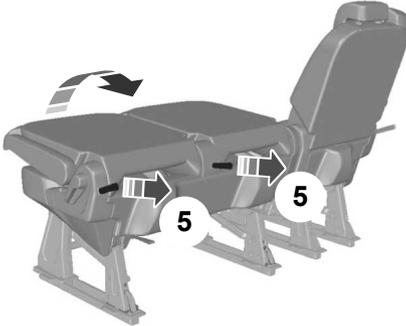
3. The seats have latch indicators at the bottom of each leg. Check the latch indicators after installing the seats.



E160371

# Seats

4. Make sure that the red latch indicators on the bottom of the seat legs are not visible above floor level.



E263672

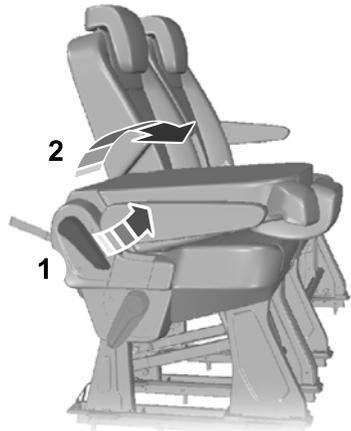
5. Release the seat backrest by pulling the red straps or the side upper lever and move the seat backrest up into the seating position until the recliner engages.

## Easy Entry

### Accessing the Third Row Seats

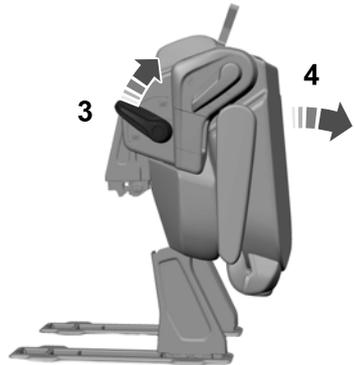
 **WARNING:** Make sure the latch indicators are not protruding after you lock the seat legs into the floor catches.

 **WARNING:** Make sure that you securely fasten the seat catches when installing. Make sure that the latches are correctly engaged by checking the red latch indicators.



E224141

1. Fold the seat backrest forward by pulling the upper lever, or pull the red strap on the seat backrest to release the seat backrest.
2. Move the seat backrest into the down position until the recliner engages.



E224142

3. Pull the lower lever up.
4. Lift and tilt the entire seat forward.

# Seats

To bring the seat backrest to the seating position, reverse the order of the preceding steps.

## Seat Storage

- Please handle all seats with care.
- Please store the seats in a dry and warm environment
- Make sure the seats are securely fixed and cannot fall over.
- Pay special attention to the latches integrated in the seat feet. Store the seat on solid ground to prevent possible soiling to the latch mechanism.

## HEATED SEATS - 2.0L ECOBLUE, PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Use caution when using the heated seat if you are unable to feel pain to your skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions. The heated seat could cause burns even at low temperatures, especially if used for long periods of time. Failure to follow this instruction could result in personal injury.



**WARNING:** Do not place anything on the seat that blocks the heat, for example a seat cover or a cushion. This could cause the seat to overheat. Failure to follow this instruction could result in personal injury.



**WARNING:** Do not poke sharp objects into the seat cushion or seat backrest. This could damage the heated seat element and cause it to overheat. Failure to follow this instruction could result in personal injury.

Do not switch the heated seat on if the seat is wet.

The heated seat button is on the climate control assembly.



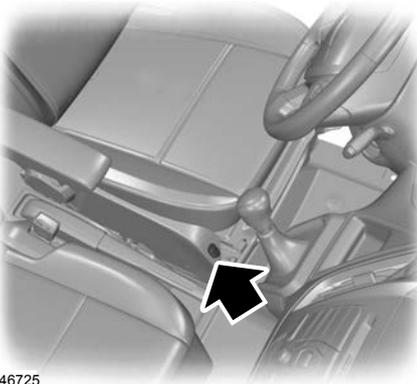
Repeatedly press the button to adjust the temperature.

## HEATED SEATS - 2.2L DIESEL



**WARNING:** People who are unable to feel pain to their skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions, must exercise care when using the heated seat. The heated seat may cause burns even at low temperatures, especially if used for long periods of time. Do not place anything on the seat that insulates against heat, such as a blanket or cushion. This may cause the heated seat to overheat. Do not puncture the seat with pins, needles or other pointed objects. This may damage the heating element which may cause the heated seat to overheat. An overheated seat may cause serious personal injury.

# Seats



E146725

Do not do the following:

- Place heavy objects on the seat.
- Operate the heated seat if water or any other liquid is spilled on the seat. Allow the seat to dry thoroughly.
- Operate the heated seats unless the engine is running. This prevents the vehicle battery from running out of charge.



E151818

**Note:** Only the outboard seat on a dual passenger seat is heated.

The maximum temperature is reached after five or six minutes. It is regulated thermostatically.

The heated seat will remain on until you switch it off. If the heated seat is on when you switch the ignition off, it will be on when you switch the ignition back on.

## Rear Occupant Alert System (If Equipped)

### WHAT IS THE REAR OCCUPANT ALERT SYSTEM

The rear occupant alert system monitors vehicle conditions and notifies you to check for rear seat occupants when you switch the ignition off.

### HOW DOES THE REAR OCCUPANT ALERT SYSTEM WORK

The system monitors when rear doors have been opened and closed to indicate the potential presence of an occupant in the rear seat.

A message displays in the information and entertainment display screen and an audible warning sounds when you switch the ignition off after any of the following conditions have been met:

- A rear door is opened or closed while the ignition is on.
- You switch the ignition on within 15 minutes of a rear door opening and closing.
- You switch the ignition on within 15 minutes of the alert having displayed or sounded.

### REAR OCCUPANT ALERT SYSTEM PRECAUTIONS



**WARNING:** On hot days, the temperature inside the vehicle can rise very quickly. Exposure of people or animals to these high temperatures for even a short time can cause death or serious heat related injuries, including brain damage. Small children are particularly at risk.



**WARNING:** Do not leave children or pets unattended in your vehicle. Failure to follow this instruction could result in personal injury or death.

### REAR OCCUPANT ALERT SYSTEM LIMITATIONS

The system does not detect the presence of objects or passengers in the rear seat. It monitors when rear doors are opened and closed.

**Note:** *It is possible to receive an alert when there is no rear seat occupant, but alert conditions are met.*

**Note:** *It is possible to receive no alert when there is an occupant in the rear seat, if alert conditions are not met. For example, if a rear seat occupant does not enter the vehicle through a rear door.*

**Note:** *The audible warning does not sound when the front door is opened before you switch the ignition off.*

### SWITCHING REAR OCCUPANT ALERT SYSTEM ON AND OFF - VEHICLES WITH: SYNC 3

1. Press **Settings** on the touchscreen.
2. Press **Vehicle**.
3. Switch **Rear Occupant Alert** on or off.

**Note:** *The default setting is on.*

**Note:** *Performing a master reset causes the system to switch on again.*

### Semiannual Reminder (If Equipped)

When you switch the system off, a message appears every six months as a reminder that the system is off. You can switch the system back on or leave it off.

## Rear Occupant Alert System (If Equipped)

### SWITCHING REAR OCCUPANT ALERT SYSTEM ON AND OFF - VEHICLES WITH: SYNC



Press the button on the audio unit.

1. Using the controls on the audio unit, select **Settings**.
2. Switch **Rear Occupant Alert** on or off.

#### **Semiannual Reminder** (If Equipped)

When you switch the system off, a message appears every six months as a reminder that the system is off. You can switch the system back on or leave it off.

### REAR OCCUPANT ALERT SYSTEM INDICATORS - VEHICLES WITH: SYNC

Message
Check rear seats for occupants.

Displays when you switch the vehicle off after the alert conditions are met.



The message displays for a short period of time. Press the **OK** button to acknowledge and remove some messages from the information display.

### REAR OCCUPANT ALERT SYSTEM INDICATORS - VEHICLES WITH: SYNC 3



Message
Check rear seats for occupants.

Displays when you switch your vehicle off after the alert conditions are met.

The message displays for a short period of time. Press **Close** to acknowledge and remove the message.

**Note:** Depending on your SYNC version, the graphic may look different from what you see here.

### REAR OCCUPANT ALERT SYSTEM AUDIBLE WARNINGS

Sounds when you switch your vehicle off after the alert conditions are met.

The warning sounds for a short period of time.

# Auxiliary Power Points



**WARNING:** Do not plug optional electrical accessories into the cigar lighter socket. Incorrect use of the cigar lighter can cause damage not covered by the vehicle warranty, and can result in fire or serious injury.



**WARNING:** Do not use a power point for operating a cigar lighter. Incorrect use of the power points can cause damage not covered by the vehicle warranty, and can result in fire or serious injury.

Run the vehicle for full capacity use of the power point.

Do not hang any accessory from the accessory plug.

Keep the power point caps closed when not in use.

Do not insert objects other than an accessory plug into the power point.

Do not use the power point over the vehicle capacity of 12 volt DC 180 watts or a fuse may blow.

**Note:** *The power points turn off after 30 minutes if the ignition is on and the engine is not running. The power points may turn off if the battery charge level is low.*

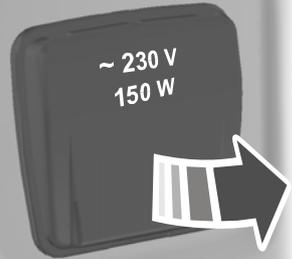
To prevent the battery from running out of charge:

- Do not use the power point longer than necessary when the vehicle is not running.
- Do not leave devices plugged in overnight or when you park your vehicle for extended periods.

## 230 Volt AC Power Point



**WARNING:** Do not keep electrical devices plugged in the power point whenever the device is not in use. Do not use any extension cord with the 230 volt AC power point, since it will defeat the safety protection design. Doing so may cause the power point to overload due to powering multiple devices that can reach beyond the 150 watt load limit and could result in fire or serious injury.



E98199

You can use the power point for electrical devices that require up to 150 watts. It is on the center console.

# Auxiliary Power Points

The indicator light on the power point changes to indicate the status.

	System Status
On	The power point is working, the ignition is on and a device is plugged in.
Off	The power point is off, the ignition is off or no device is plugged in.
Flashing	The power point is in fault mode.

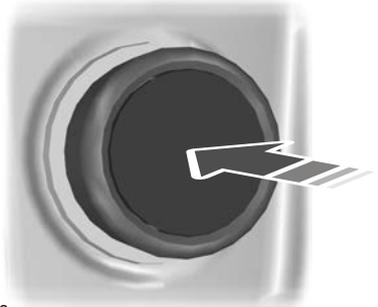
The power outlet temporarily turns off power when in fault mode if the device exceeds the 150 watt limit. Unplug your device and switch the ignition off. Switch the ignition back on, but do not plug your device back in. Let the system cool off and switch the ignition off to reset the fault mode. Switch the ignition back on and make sure the indicator light remains on.

Do not use the power point for certain electric devices, including:

- Cathode-ray, tube-type televisions.
- Motor loads, such as vacuum cleaners, electric saws and other electric power tools or compressor-driven refrigerators.
- Measuring devices, which process precise data, such as medical equipment or measuring equipment.
- Other appliances requiring an extremely stable power supply such as microcomputer-controlled electric blankets or touch-sensor lamps.

## CIGAR LIGHTER

 **WARNING:** Do not plug optional electrical accessories into the cigar lighter socket. Incorrect use of the cigar lighter can cause damage not covered by the vehicle warranty, and can result in fire or serious injury.



E103382

Press the element in to use the cigar lighter. It pops out after a short period of time.

Do not hold the cigar lighter element pressed in.

**Note:** *If the power supply does not work after you switch the ignition off, switch the ignition on.*

## Auxiliary Power Points

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**Note:** *If you use the socket when the engine is not running, the battery may run out of charge.*

**Note:** *When you switch the ignition on, you can use the socket to power 12 volt appliances with a maximum current rating of 15 amps.*

# Storage Compartments

## CUP HOLDERS

 **WARNING:** Do not place hot drinks in the cup holders when your vehicle is moving.

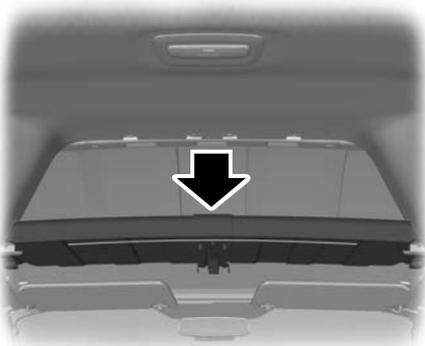
 **WARNING:** Make sure that cups placed in the holders do not obstruct your vision while driving.

## OVERHEAD CONSOLE

### Overhead Storage Compartment

#### Vehicles with Medium Roof

 **WARNING:** Do not place heavy objects in the storage compartment. The maximum permitted load is 44 pounds (20 kilograms). Heavy objects may become projectiles in a crash or sudden stop, which may increase the risk of serious injury.



E158139

## FOLDING TRAY

 **WARNING:** Do not place hot drinks in the cup holders when your vehicle is moving.

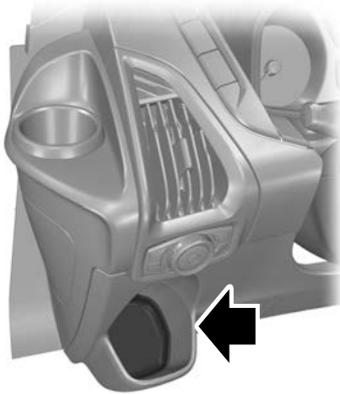


E154676

## BOTTLE HOLDERS

 **WARNING:** Do not place glass objects in the bottle holder.

# Storage Compartments



E145944

**UNDER SEAT STORAGE -  
VEHICLES WITH: PASSENGER  
DOUBLE SEAT, VEHICLES  
WITHOUT: REAR CLIMATE  
CONTROL, EXCLUDING: MILD  
HYBRID ELECTRIC VEHICLE  
(MHEV)**

## Front Passenger Seat



2



E154714

1. Lift the front of the passenger seat cushion.
2. Pull the seat cushion forward.
3. Tilt the seat cushion forward.

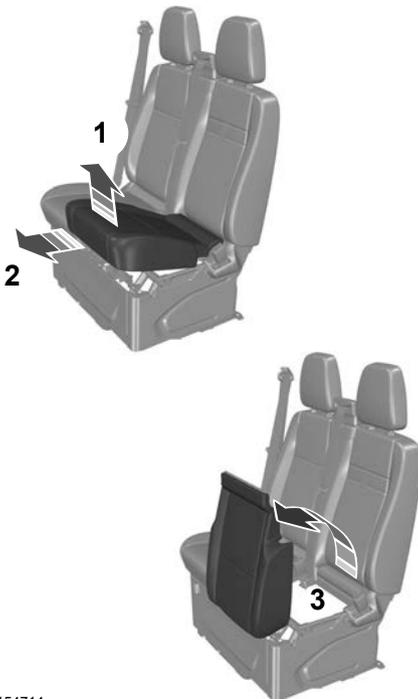
# Storage Compartments

**Note:** Both the inboard and outboard seats have a storage compartment.

**Note:** Only the inboard seat has a storage compartment.

## UNDER SEAT STORAGE - MILD HYBRID ELECTRIC VEHICLE (MHEV), VEHICLES WITH: PASSENGER DOUBLE SEAT/ REAR CLIMATE CONTROL

### Front Passenger Seat

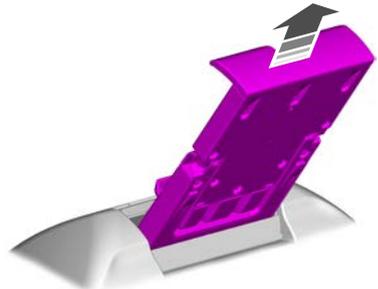


E154714

1. Lift the front of the passenger seat cushion.
2. Pull the seat cushion forward.
3. Tilt the seat cushion forward.

## DEVICE HOLDER

**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

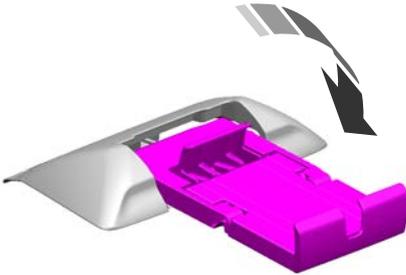


1. Fully lift the device holder.

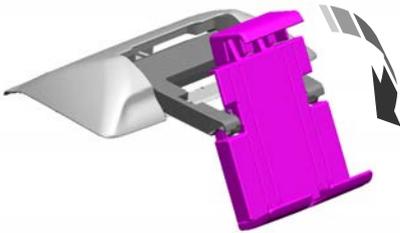
**Note:** Make sure to pull the device holder all the way out.

## Storage Compartments

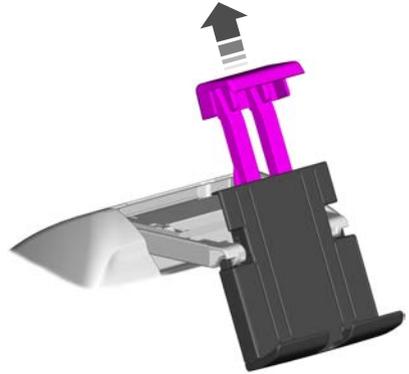
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2. Bring the device holder to fully horizontal position.



3. Fully rotate the base.



4. Lift the arm.
5. Place your device on the base.
6. Release the arm.
7. To close the device holder, reverse the opening procedure.

**Note:** Do not leave your device in the device holder when leaving your vehicle.

# Starting and Stopping the Engine

## GENERAL INFORMATION

**WARNING:** Extended idling at high engine speeds can produce very high temperatures in the engine and exhaust system, creating the risk of fire or other damage.

**WARNING:** Do not park, idle or drive your vehicle on dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, creating the risk of fire.

**WARNING:** Do not start the engine in a closed garage or in other enclosed areas. Exhaust fumes can be toxic. Always open the garage door before you start the engine.

**WARNING:** Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

If you disconnect the battery, your vehicle may exhibit some unusual driving characteristics for approximately 8 km (5 mi) after you reconnect it. This is because the engine management system must realign itself with the engine. You can disregard any unusual driving characteristics during this period.

The powertrain control system meets all Canadian interference-causing equipment standard requirements regulating the impulse electrical field or radio noise.

When you start the engine, avoid pressing the accelerator pedal before and during operation. Only use the accelerator pedal when you have difficulty starting the engine.

## IGNITION SWITCH



E72128

**Note:** Make sure the key is clean before inserting it into any lock cylinder.

**0** (off) - The ignition is off.

**Note:** When you switch the ignition off and leave your vehicle, do not leave your key in the ignition. This could cause your vehicle battery to lose charge.

**I** (accessory) - Allows the electrical accessories such as the radio to operate while the engine is not running.

**Note:** Do not leave the ignition key in position **I** or **II** (without the engine running) for too long to avoid vehicle battery losing charge.

**II** (on) - All electrical circuits operational. Warning lamps and indicators are illuminated.

**III** (start) - cranks the engine. Release the key as soon as the engine starts.

## STEERING WHEEL LOCK

**WARNING:** Always check that the steering is unlocked before attempting to move your vehicle.

### Locking the Steering Wheel

1. Remove the key from the ignition.

# Starting and Stopping the Engine

2. Slightly rotate the steering wheel to engage the lock.

## Unlocking the Steering Wheel

1. Insert the key in the ignition.
2. Turn the key to position **I**.

**Note:** You may have to slightly rotate the steering wheel to assist unlocking it.

## STARTING A DIESEL ENGINE - AUTOMATIC TRANSMISSION



**WARNING:** Do not use starting fluid, for example ether, in the air intake system. Such fluid could cause immediate explosive damage to the engine and possible personal injury.

Before starting your vehicle, check the following:

- Make sure the headlamps and electrical accessories are off.
- Make sure the parking brake is on.
- Make sure the transmission is in park (P).

## Starting the Engine

1. Turn the key to position **II**.
2. Wait until the glow plug indicator turns off.
3. Fully press the brake pedal.

**Note:** Do not touch the accelerator pedal.

4. Turn the key to position **III**.

**Note:** Releasing the brake pedal when the engine is starting stops the engine cranking and the ignition returns to on.

**Note:** When the temperature is below  $-15^{\circ}\text{C}$  ( $5^{\circ}\text{F}$ ), you may need to crank the engine for up to 10 seconds.

**Note:** You can only attempt to start the engine for a limited amount of time before the starting system temporarily disables. If you exceed the starting time limit, a message may appear and you cannot attempt to start the engine for at least 15 minutes.

## Failure to Start

If the engine does not start, do the following:

1. Fully press the brake pedal.
2. Apply the parking brake.
3. Shift into park (P).
4. Turn the key to position **III** until the engine starts.

## Stopping the Engine When Your Vehicle is Stationary

1. Shift into park (P).
2. Turn the key to position **0**.
3. Apply the parking brake.

## Stopping the Engine When Your Vehicle is Moving



**WARNING:** Switching off the engine when your vehicle is still moving results in a significant decrease in braking assistance. Higher effort is required to apply the brakes and to stop your vehicle. A significant decrease in steering assistance could also occur. The steering does not lock, but higher effort could be required to steer your vehicle. When you switch the ignition off, some electrical circuits, for example airbags, also turn off. If you unintentionally switch the ignition off, shift into neutral (N) and restart the engine.

1. Shift into neutral (N).
2. Turn the key to position **0**.

# Starting and Stopping the Engine

3. Use the brakes to bring your vehicle to a safe stop.
4. Shift into park (P).
5. Apply the parking brake.

## Guarding Against Exhaust Fumes



**WARNING:** Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

## Important Ventilating Information

If you stop your vehicle and then leave the engine idling for long periods, we recommend that you do one of the following:

- Open the windows at least 3 cm (1 in).
- Set your climate control to outside air.

## Glow Plug Indicator



If it illuminates, wait until it turns off before starting.

## Engine Warning Lamps



Malfunction Indicator Lamp  
Check Engine

If it illuminates when the engine is running this indicates a malfunction. The On Board Diagnostics system has detected a malfunction of the vehicle emission control system. Have your vehicle checked as soon as possible.



Powertrain Warning Lamp

If it illuminates when the engine is running this indicates a malfunction. If it flashes when you are driving, immediately reduce the vehicle speed. Avoid heavy acceleration and deceleration and have your vehicle immediately serviced.

If both lamps illuminate when the engine is running, stop your vehicle as soon as it is safe to do so. Continuing to drive your vehicle may cause reduced power or the engine to stop. Switch the ignition off and attempt to restart the engine. Have your vehicle immediately checked.

## STARTING A DIESEL ENGINE - MANUAL TRANSMISSION

Before starting your vehicle, check the following:

- Make sure the headlamps and electrical accessories are off.
- Make sure the parking brake is on.
- Make sure the transmission is in neutral.

## Starting the Engine

1. Turn the key to position **II**.
  2. Wait until the glow plug indicator turns off.
  3. Fully press the clutch pedal.
- Note:** Do not touch the accelerator pedal.
4. Turn the key to position **III**.

**Note:** Releasing the clutch pedal when the engine is starting stops the engine cranking and the ignition returns to on.

**Note:** When the temperature is below  $-15^{\circ}\text{C}$  ( $5^{\circ}\text{F}$ ), you may need to crank the engine for up to 10 seconds.

# Starting and Stopping the Engine

**Note:** You can only attempt to start the engine for a limited amount of time before the starting system temporarily disables. If you exceed the starting time limit, a message may appear and you cannot attempt to start the engine for at least 15 minutes.

## Failure to Start

If the engine does not start, do the following:

1. Fully press the brake pedal.
2. Apply the parking brake.
3. Shift into neutral.
4. Turn the key to position **III** until the engine starts.

## Stopping the Engine When Your Vehicle is Stationary

1. Shift into neutral.
2. Turn the key to position **O**.
3. Apply the parking brake.

## Stopping the Engine When Your Vehicle is Moving



**WARNING:** Switching off the engine when your vehicle is still moving results in a significant decrease in braking assistance. Higher effort is required to apply the brakes and to stop your vehicle. A significant decrease in steering assistance could also occur. The steering does not lock, but higher effort could be required to steer your vehicle. When you switch the ignition off, some electrical circuits, for example airbags, also turn off. If you unintentionally switch the ignition off, shift into neutral (N) and restart the engine.

1. Shift into neutral.
2. Turn the key to position **O**.

3. Use the brakes to bring your vehicle to a safe stop.
4. Apply the parking brake.

## Guarding Against Exhaust Fumes



**WARNING:** Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

## Important Ventilating Information

If you stop your vehicle and then leave the engine idling for long periods, we recommend that you do one of the following:

- Open the windows at least 3 cm (1 in).
- Set your climate control to outside air.

## Glow Plug Indicator



If it illuminates, wait until it turns off before starting.

## Engine Warning Lamps



Malfunction Indicator Lamp  
Check Engine

If it illuminates when the engine is running this indicates a malfunction. The On Board Diagnostics system has detected a malfunction of the vehicle emission control system. Have your vehicle checked as soon as possible.



Powertrain Warning Lamp

# Starting and Stopping the Engine

If it illuminates when the engine is running this indicates a malfunction. If it flashes when you are driving, immediately reduce the vehicle speed. Avoid heavy acceleration and deceleration and have your vehicle immediately serviced.

If both lamps illuminate when the engine is running, stop your vehicle as soon as it is safe to do so. Continuing to drive your vehicle may cause reduced power or the engine to stop. Switch the ignition off and attempt to restart the engine. Have your vehicle immediately checked.

## SWITCHING OFF THE ENGINE

### Vehicles With a Turbocharger



**WARNING:** Do not switch the engine off when it is running at high speed. If you do, the turbocharger will continue running after the engine oil pressure has dropped to zero. This will lead to premature turbocharger bearing wear.

Release the accelerator pedal. Wait until the engine has reached idle speed and then switch it off.

## ENGINE BLOCK HEATER



**WARNING:** Failure to follow engine block heater instructions could result in property damage or serious personal injury.



**WARNING:** Do not use your heater with ungrounded electrical systems or two-pronged adapters. There is a risk of electrical shock.

The heater warms the engine coolant. This allows the climate control system to quickly respond. The equipment includes a heater element installed in the engine block and a wire harness. You can connect the system to a grounded 220-240 volt AC electrical source.

**Note:** *The heater is most effective when the ambient temperature is below -18°C (0°F).*

We recommend that you do the following for a safe and correct operation:

- Use an extension cord suitable for outdoor use and in cold temperatures. It should be clearly marked that it is suitable for use with outdoor appliances. Do not use an indoor extension cord outdoors. This could result in an electric shock or become a fire hazard.
- Use as short an extension cord as possible.
- Do not use multiple extension cords.
- Make sure that when in operation, the extension cord plug and heater cord plug connections are free and clear of water. This could result in an electric shock or become a fire hazard.
- Make sure that you park your vehicle in a clean area, clear of combustible materials.
- Make sure that you firmly connect the heater, heater cord and extension cord.
- Check for heat anywhere in the electrical hookup when the system has been operating for approximately 30 minutes.

# Starting and Stopping the Engine

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- Make sure that you unplug and properly stow the system before starting and driving your vehicle. Make sure the protective cover seals the terminals of the block heater cord plug when not in use.
- Make sure that you check the heater system for proper operation before winter.

## Using the Engine Block Heater

The engine block heater plug may be found in one of the following locations:

- Under the hood.
- In the front fog lamp bezel.
- Front lower grille.

Make sure the receptacle terminals are clean and dry before use. Clean them with a dry cloth if necessary.

The heater uses 0.4 to 1.0 kilowatt-hours of energy per hour of use. The system does not have a thermostat. It reaches maximum temperature after approximately three hours of operation. Using the heater longer than three hours does not improve system performance and unnecessarily uses electricity.

# Starting and Stopping the Electric Motor - Plug-In Hybrid Electric Vehicle (PHEV)

## IGNITION SWITCH



E247596

**Note:** Make sure the key is clean before inserting it into any lock cylinder.

### Switching the Ignition Off

Turn the key to position **O**.

### Switching the Ignition to Accessory Mode

Turn the key to position **I**. Electrical accessories, for example the radio, operate without the electric motor running.

### Switching the Ignition On

Turn the key to position **II**. All electrical circuits and accessories are operational and the warning lamps and indicators illuminate.

**Note:** The high voltage battery discharges in this mode.

## Starting the Electric Motor

Turn the key to position **III**. Release the key when the ready to drive indicator illuminates.

## STARTING THE ELECTRIC MOTOR

1. Shift into park (P) or neutral (N).
2. Press the brake pedal.
3. Turn the key to position **III**.



The indicator illuminates when your vehicle is ready to drive.

## SWITCHING OFF THE ELECTRIC MOTOR

1. Stop your vehicle.
2. Shift into park (P).
3. Turn the key to position **O**.
4. Apply the parking brake.

# Unique Driving Characteristics

## HYBRID VEHICLE OPERATION - MILD HYBRID ELECTRIC VEHICLE (MHEV)

Your vehicle has a 48 volt mild hybrid system. The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by using regenerative charging and stopping the engine when your vehicle is coasting at a speed less than the engine stop speed that you have set. See **Setting the Engine Stop Speed** (page 147).

**Note:** *Regenerative charging results in a greater degree of engine braking. Engine braking further increases following a brake pedal press. This is normal.*

## PLUG-IN HYBRID VEHICLE OPERATION

The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by using regenerative charging and the gasoline engine as a generator to capture energy in the high voltage battery.

The gasoline engine starts and stops to provide power when required.

Conditions that may cause the gasoline engine to start or remain running include:

- Considerable vehicle acceleration.
- Driving uphill.
- The high voltage battery charge level is low.
- Heating or cooling the vehicle interior in high or low outside temperatures.
- Gasoline engine below normal operating temperature.
- Gasoline particulate filter regeneration in process.

## Drive Mode Control

### About Drive Mode Control

Your vehicle has various drive modes that you can select for different driving conditions. Depending on the drive mode that you select, the system adjusts various vehicle settings.

### Selecting a Drive Mode

The button is on the instrument panel.



Repeatedly press the button to scroll through the available drive modes.

## Drive Modes

### Auto EV



This mode automatically uses the gasoline engine to provide power when required and will automatically revert to electric only driving when possible.

### EV now



This mode uses the high voltage battery only. When you select this mode, a blue indicator appears in the information display.

Vehicle acceleration, top speed and climate control system performance could be reduced in this mode to maximize the distance your vehicle could travel.

### EV override

When your power demand is higher than the high voltage battery can provide, a message appears in the information display. Press the **OK** button on the steering wheel to enable the gasoline engine to provide additional power.

**Note:** *The blue indicator turns amber.*

# Unique Driving Characteristics

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Your vehicle returns to **EV Now** mode when possible.

## **EV later**



When this mode is selected, the current high voltage battery charge level is maintained.

**Note:** *Maximum displayed battery charge is 95%. The system will discharge some of the battery to allow the regenerative braking and hybrid systems full operation.*

## **EV charge**



This mode uses the gasoline engine to charge the high voltage battery.

**Note:** *This mode is not a substitute for plug-in charging. Energy usage is most efficient when you plug-in charge the high voltage battery.*

## **HYBRID VEHICLE FREQUENTLY ASKED QUESTIONS - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)**

### **How long is the high voltage battery system designed to last?**

The high voltage battery system is designed to last the life of your vehicle.

### **Does the high voltage battery need maintenance?**

The high voltage battery does not need maintenance.

### **Does the heating and cooling systems work while driving in electric only mode?**

Yes, but it decreases the available electric range.

### **What happens if the high voltage battery runs out of charge?**

Start your vehicle normally. You can drive after the engine charges the high voltage battery to the minimum required level.

### **What should I do if the vehicle runs out of fuel and the high voltage battery is out of charge?**

Refuel and start your vehicle normally. You can drive after the engine charges the high voltage battery to the minimum required level.

# Auto-Start-Stop - Manual Transmission, Excluding: Mild Hybrid Electric Vehicle (MHEV)

## WHAT IS AUTO-START-STOP

The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by stopping the engine when it is idling, for example at traffic lights.

## AUTO-START-STOP PRECAUTIONS



**WARNING:** Apply the parking brake, shift into neutral, switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Apply the parking brake, shift into neutral, switch the ignition off and remove the key before you open the hood or have any service or repair work completed. If you do not switch the ignition off, the engine could restart at any time. Failure to follow this instruction could result in personal injury or death.

## SWITCHING AUTO-START-STOP ON AND OFF

The system turns on when you switch the ignition on.



Press the switch to switch the system off.

**Note:** *OFF* illuminates in the switch.

Press the switch again to switch the system back on.

**Note:** *The system is designed to turn off if it detects a malfunction. If the system malfunctions, have your vehicle checked as soon as possible.*

## STOPPING THE ENGINE

1. Stop your vehicle.
2. Shift into neutral.
3. Release the clutch pedal and the accelerator pedal.

**Note:** *To obtain maximum benefit from the system, shift into neutral and release the clutch pedal whenever you stop your vehicle for more than three seconds.*

**Note:** *Power assist steering turns off when the engine stops.*

## RESTARTING THE ENGINE

Press the clutch pedal.

A message appears in the information display if the system requires you to take action.

Message	Condition	Action
Auto StartStop Press a pedal to start engine	The system needs to restart the engine but requires your confirmation.	Press the accelerator pedal, brake pedal or clutch pedal to restart the engine.
Auto StartStop Select neutral to start engine	The system needs to restart the engine but cannot because the transmission is in gear.	Shift into neutral to restart the engine.

# Auto-Start-Stop - Manual Transmission, Excluding: Mild Hybrid Electric Vehicle (MHEV)

## AUTO-START-STOP INDICATORS



**WARNING:** The system may require the engine to automatically restart when the auto-start-stop indicator illuminates green or flashes amber. Failure to follow this instruction could result in personal injury.



The Auto-Start-Stop indicator illuminates green when the engine stops. It flashes amber and a message appears when you need to take action.



The Auto-Start-Stop indicator illuminates gray with a strikethrough when the system is not available.

**Note:** You can display the reason why the system is not available in the information display.

## AUTO-START-STOP AUDIBLE WARNING

The Auto-Start-Stop audible warning sounds if you open the driver door when the system has stopped the engine.

## AUTO-START-STOP – TROUBLESHOOTING

### AUTO-START-STOP – INFORMATION MESSAGES

Message	Condition	Action
Auto StartStop Manual restart required	The system is not functioning.	Shift into neutral and restart the engine yourself.

# Auto-Start-Stop - Manual Transmission, Excluding: Mild Hybrid Electric Vehicle (MHEV)

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## **AUTO-START-STOP – FREQUENTLY ASKED QUESTIONS**

### **Why does the engine not always stop when I expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system does not stop the engine if:

- The driver door is open.
- Your vehicle is at high altitude.
- The heated windshield is on.
- The engine is warming up.
- The outside temperature is too low or too high.
- The battery charge is low.
- The battery temperature is outside the optimal operating range.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Why does the engine sometimes restart when I do not expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system restarts the engine if:

- You switch the heated windshield on.
- You switch maximum defrost on.
- Your vehicle starts to roll downhill in neutral.
- The engine is required to run to maintain adequate brake system assistance.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Can I permanently switch the system off?**

No. The system plays an important role in reducing the fuel consumption and the CO<sub>2</sub> emissions.

### **Will the frequent engine starts cause parts to wear out?**

Your vehicle has an enhanced battery and starter motor that are designed for the increased number of engine starts.

# Auto-Start-Stop - Mild Hybrid Electric Vehicle (MHEV)

## WHAT IS AUTO-START-STOP

The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by stopping the engine when it is idling, for example at traffic lights or when your vehicle is coasting at a speed less than the engine stop speed that you have set. See **Setting the Engine Stop Speed** (page 147). The system is designed to stop the engine when the transmission is in gear or in neutral.

## AUTO-START-STOP PRECAUTIONS



**WARNING:** Apply the parking brake, shift into neutral, switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Apply the parking brake, shift into neutral, switch the ignition off and remove the key before you open the hood or have any service or repair work completed. If you do not switch the ignition off, the engine could restart at any time. Failure to follow this instruction could result in personal injury or death.

## AUTO-START-STOP SETTINGS

### SETTING THE ENGINE STOP SPEED

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle settings**.
3. Select **Rolling StartStop**.

4. Select a setting and press the **OK** button.

## SWITCHING AUTO-START-STOP ON AND OFF

The system turns on when you switch the ignition on.



Press the switch to switch the system off.

**Note:** **OFF** illuminates in the switch.

Press the switch again to switch the system back on.

**Note:** *The system is designed to turn off if it detects a malfunction. If the system malfunctions, have your vehicle checked as soon as possible.*

## STOPPING THE ENGINE

### Stopping the Engine in Gear

1. Press the brake pedal and slow your vehicle down to 12 km/h (7 mph) or less.

**Note:** *You can set the speed at which the system stops the engine through the information display.*

2. Fully press the clutch pedal.

**Note:** *Power assist steering remains on when the engine stops.*

### Stopping the Engine in Neutral

1. Press the brake pedal and slow your vehicle down to 12 km/h (7 mph) or less.

**Note:** *You can set the speed at which the system stops the engine through the information display.*

2. Press the clutch pedal and shift into neutral.

# Auto-Start-Stop - Mild Hybrid Electric Vehicle (MHEV)

3. Release the clutch pedal.

**Note:** Power assist steering remains on when the engine stops.

## RESTARTING THE ENGINE

### Restarting the Engine in Gear

Release the brake pedal.

### Restarting the Engine in Neutral

1. Fully press the clutch pedal.
2. Select a gear.

## AUTO-START-STOP INDICATORS



**WARNING:** The system may require the engine to automatically restart when the auto-start-stop indicator illuminates green or flashes amber. Failure to follow this instruction could result in personal injury.



The Auto-Start-Stop indicator illuminates green when the engine stops. It flashes amber and a message appears when you need to take action.



The Auto-Start-Stop indicator illuminates gray with a strikethrough when the system is not available.

**Note:** You can display the reason why the system is not available in the information display.

## AUTO-START-STOP AUDIBLE WARNING

The Auto-Start-Stop audible warning sounds if you open the driver door when the system has stopped the engine.

## AUTO-START-STOP – TROUBLESHOOTING

### AUTO-START-STOP – INFORMATION MESSAGES

Message	Condition	Action
Auto StartStop Manual restart required	The system is not functioning.	Shift into neutral and restart the engine yourself.
Auto StartStop Select neutral to start engine	The system cannot restart the engine.	Shift into neutral.
Auto StartStop Press clutch to start engine	The system cannot restart the engine.	Fully press the clutch pedal.

# Auto-Start-Stop - Mild Hybrid Electric Vehicle (MHEV)

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## **AUTO-START-STOP – FREQUENTLY ASKED QUESTIONS**

### **Why does the engine not always stop when I expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system does not stop the engine if:

- The driver door is open.
- The driver seatbelt is unfastened.
- The engine is warming up.
- The outside temperature is too low or too high.
- The battery charge is low.
- The battery temperature is outside the optimal operating range.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Why does the engine sometimes restart when I do not expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system restarts the engine if:

- You switch **MAX A/C** on.
- You switch maximum defrost on.
- Your vehicle starts to roll downhill in neutral.
- The engine is required to run to maintain adequate brake system assistance.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Can I permanently switch the system off?**

No. The system plays an important role in reducing the fuel consumption and the CO<sub>2</sub> emissions.

### **Will the frequent engine starts cause parts to wear out?**

Your vehicle has an enhanced battery and starter generator that are designed for the increased number of engine starts.

# Auto-Start-Stop - Automatic Transmission

## WHAT IS AUTO-START-STOP

The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by stopping the engine when it is idling, for example at traffic lights.

## AUTO-START-STOP PRECAUTIONS



**WARNING:** Apply the parking brake, shift into park (P), switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Apply the parking brake, shift into park (P), switch the ignition off and remove the key before you open the hood or have any service or repair work completed. If you do not switch the ignition off, the engine could restart at any time. Failure to follow this instruction could result in personal injury or death.

## SWITCHING AUTO-START-STOP ON AND OFF

The system turns on when you switch the ignition on.



Press the switch to switch the system off.

**Note:** *OFF* illuminates in the switch.

Press the switch again to switch the system back on.

**Note:** *The system is designed to turn off if it detects a malfunction. If the system malfunctions, have your vehicle checked as soon as possible.*

## STOPPING THE ENGINE

Stop your vehicle, keep your foot on the brake pedal and the transmission in drive (D).

**Note:** *The engine stops when you shift into park (P) whether you have your foot on the brake pedal or not.*

**Note:** *Power assist steering turns off when the engine stops.*

## RESTARTING THE ENGINE

Release the brake pedal or press the accelerator pedal.

A message appears in the information display if the system requires you to take action.

Message	Condition	Action
Auto Start/Stop Press brake to start engine	The system needs to restart the engine but requires your confirmation.	Press the brake pedal to restart the engine.
Auto Start/Stop Press a pedal to start engine	The system needs to restart the engine but requires your confirmation.	Press the brake pedal or the accelerator pedal to restart the engine.

# Auto-Start-Stop - Automatic Transmission

## AUTO-START-STOP INDICATORS



**WARNING:** The system may require the engine to automatically restart when the auto-start-stop indicator illuminates green or flashes amber. Failure to follow this instruction could result in personal injury.



The Auto-Start-Stop indicator illuminates green when the engine stops. It flashes amber and a message appears when you need to take action.



The Auto-Start-Stop indicator illuminates gray with a strikethrough when the system is not available.

**Note:** *You can display the reason why the system is not available in the information display.*

## AUTO-START-STOP – TROUBLESHOOTING

### AUTO-START-STOP – INFORMATION MESSAGES

Message	Condition	Action
Auto StartStop Shift to P Restart engine	The system is not functioning.	Shift into park (P) and restart the engine yourself.
Auto StartStop Manual restart required	The system is not functioning.	Restart the engine yourself.

# Auto-Start-Stop - Automatic Transmission

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## **AUTO-START-STOP – FREQUENTLY ASKED QUESTIONS**

### **Why does the engine not always stop when I expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system does not stop the engine if:

- The driver door is open.
- The driver seatbelt is unfastened.
- Your vehicle is at high altitude.
- The heated windshield is on.
- The transmission is in manual (M).
- Your vehicle is on a steep grade.
- The engine is warming up.
- The outside temperature is too low or too high.
- The battery charge is low.
- The battery temperature is outside the optimal operating range.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Why does the engine sometimes restart when I do not expect it to?**

The system is designed to work in a way that complements other vehicle systems, allowing them to operate at optimum performance.

The system restarts the engine if:

- You switch the heated windshield on.
- You switch maximum defrost on.
- Your vehicle starts to roll downhill in neutral.

- The engine is required to run to maintain adequate brake system assistance.
- The engine is required to run to maintain interior climate and reduce fogging.

### **Can I permanently switch the system off?**

No. The system plays an important role in reducing the fuel consumption and the CO<sub>2</sub> emissions.

### **Will the frequent engine starts cause parts to wear out?**

Your vehicle has an enhanced battery and starter motor that are designed for the increased number of engine starts.

# Fuel and Refueling

## SAFETY PRECAUTIONS



**WARNING:** Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.



**WARNING:** The fuel system may be under pressure. If you hear a hissing sound near the fuel filler inlet, do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.



**WARNING:** Fuels can cause serious injury or death if misused or mishandled.



**WARNING:** Fuel may contain benzene, which is a cancer-causing agent.



**WARNING:** When refueling always shut the engine off and never allow sparks or open flames near the fuel tank filler valve. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

Follow these guidelines when refueling:

- Extinguish all smoking materials and any open flames before refueling your vehicle.
- Always switch the engine off before refueling.
- Automotive fuels can be harmful or fatal if swallowed. Fuel is highly toxic and if swallowed can cause death or permanent injury. If fuel is swallowed immediately call a physician, even if no symptoms are immediately apparent. The toxic effects of fuel may not be apparent for hours.

- Avoid inhaling fuel vapors. Inhaling fuel vapor can lead to eye and respiratory tract irritation. In severe cases, excessive or prolonged breathing of fuel vapor can cause serious illness and permanent injury.
- Avoid getting fuel in your eyes. If you splash fuel in your eyes, immediately remove contact lenses (if worn), flush with water for 15 minutes and seek medical attention. Failure to seek proper medical attention could lead to permanent injury.
- Fuels can be harmful if absorbed through the skin. If you splash fuel on your skin, clothing or both, promptly remove contaminated clothing and thoroughly wash your skin with soap and water. Repeated or prolonged skin contact causes skin irritation.
- Be particularly careful if you are taking Antabuse or other forms of Disulfiram for the treatment of alcoholism. Breathing fuel vapors could cause an adverse reaction, serious personal injury or sickness. Immediately call a physician if you experience any adverse reactions.

## FUEL QUALITY - GASOLINE



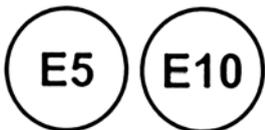
**WARNING:** Do not mix diesel with gasoline, gasohol or alcohol. This could cause an explosion.



**WARNING:** Do not use leaded gasoline or gasoline with additives containing other metallic compounds, for example manganese-based. They could damage the emission system.

Use minimum 95 octane unleaded gasoline that meets the specification defined by EN 228 or the equivalent national specification.

# Fuel and Refueling



E268502

Your vehicle is suitable for use with ethanol blends up to 10% (E5 and E10).

**Note:** We recommend that you only use high quality fuel. We do not recommend the use of aftermarket fuel additives or other engine treatments.

## Long-Term Storage

Most gasoline contains ethanol. We recommend that you fill the fuel tank with fuel that does not contain ethanol if you intend to store your vehicle for more than two months.

## FUEL QUALITY - DIESEL



**WARNING:** Do not mix diesel with gasoline, gasohol or alcohol. This could cause an explosion.

Use diesel that meets the specification defined by EN 590 or the relevant national specification.



E268503

Your vehicle is suitable for use with biodiesel blends up to 7% (B7).

**Note:** We recommend that you only use high quality fuel. We do not recommend the use of aftermarket fuel additives or other engine treatments.

**Note:** We do not recommend the use of additional additives to prevent fuel waxing.

## Long-Term Storage

Most diesel fuels contain biodiesel. We recommend that you fill the fuel tank with fuel that does not contain biodiesel if you intend to store your vehicle for more than two months.

## FUEL QUALITY - 2.0L ECOBLUE, HYDROTREATED VEGETABLE OIL



**WARNING:** Do not mix hydrotreated vegetable oil with gasoline, gasohol or alcohol. This could cause an explosion. Failure to follow this instruction could result in personal injury or death.

Use hydrotreated vegetable oil that meets the specification defined by EN 15940 or the relevant national specification.

**Note:** Do not use normal vegetable oil as this may cause engine damage not covered by the vehicle Warranty.

**Note:** We do not recommend the use of additional additives to prevent fuel waxing.

## FUEL FILLER FUNNEL LOCATION

The fuel filler funnel is in the under seat storage compartment or in the glove compartment.

# Fuel and Refueling

## RUNNING OUT OF FUEL

Running out of fuel can cause damage not covered by the vehicle Warranty.

If your vehicle runs out of fuel:

- Add a minimum of 5 L (1.1 gal) of fuel to restart the engine.
- You may need to switch the ignition from off to on several times after refueling to allow the fuel system to pump the fuel from the tank to the engine. When restarting, cranking time takes a few seconds longer than normal.

**Note:** *If your vehicle is on a steep slope, more fuel may be required.*

## Filling a Portable Fuel Container



**WARNING:** Flow of fuel through a fuel pump nozzle can produce static electricity. This can cause a fire if you are filling an ungrounded fuel container.

Use the following guidelines to avoid electrostatic charge build-up, which can produce a spark, when filling an ungrounded fuel container:

- Only use an approved fuel container to transfer fuel to your vehicle. Place the container on the ground when filling it.
- Do not fill a fuel container when it is inside your vehicle (including the cargo area).
- Keep the fuel pump nozzle in contact with the fuel container when filling it.
- Do not use a device that holds the fuel pump nozzle lever in the fill position.

## Adding Fuel From a Portable Fuel Container



**WARNING:** Do not insert the nozzle of a fuel container or an aftermarket funnel into the fuel filler neck. This may damage the fuel system filler neck or its seal and cause fuel to run onto the ground.



**WARNING:** Do not try to pry open or push open the capless fuel system with foreign objects. This could damage the fuel system and its seal and cause injury to you or others.



**WARNING:** Do not dispose of fuel in the household refuse or the public sewage system. Use an authorized waste disposal facility.

When refueling the vehicle fuel tank from a fuel container, use the fuel filler funnel included with your vehicle. See **Fuel Filler Funnel Location** (page 154).

**Note:** *Do not use aftermarket funnels as they may not work with the capless fuel system and can damage it.*

When refueling the vehicle fuel tank from a fuel container, do the following:

1. Fully open the fuel filler door.
2. Fully insert the fuel filler funnel into the fuel filler inlet.

# Fuel and Refueling



3. Add fuel to your vehicle from the fuel container.
4. Remove the fuel filler funnel.
5. Fully close the fuel filler door.
6. Clean the fuel filler funnel and place it back in your vehicle or correctly dispose of it.

**Note:** *Extra funnels can be purchased from an authorized dealer if you choose to dispose of the funnel.*

## REFUELING-PLUG-INHYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.



**WARNING:** Do not pry open the fuel tank filler valve. This could damage the fuel system. Failure to follow this instruction could result in fire, personal injury or death.



**WARNING:** Do not remove the fuel pump nozzle from its fully inserted position when refueling.



**WARNING:** When refueling always shut the engine off and never allow sparks or open flames near the fuel tank filler valve. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.



**WARNING:** Stop refueling when the fuel pump nozzle automatically shuts off for the first time. Failure to follow this will fill the expansion space in the fuel tank and could lead to fuel overflowing.



**WARNING:** Wait at least five seconds before removing the fuel pump nozzle to allow any residual fuel to drain into the fuel tank.



**WARNING:** The fuel system may be under pressure. If you hear a hissing sound near the fuel filler inlet, do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.



**WARNING:** Read and follow all the instructions on the pump island.

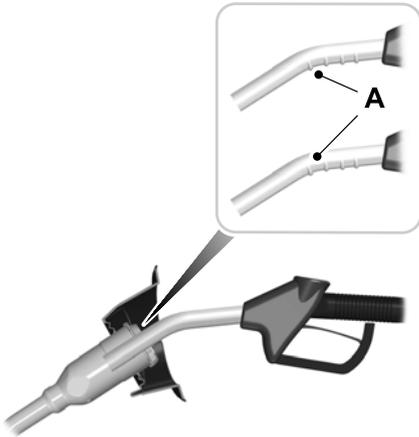


Stop your vehicle, switch the ignition off and press the button on the instrument panel to release the fuel filler door.

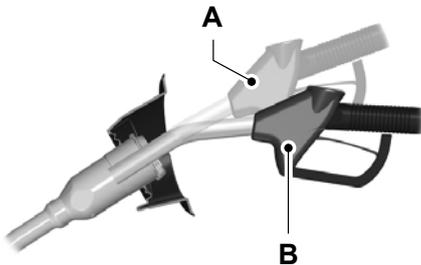
**Note:** *The fuel filler door can take up to 15 seconds to release before you can open the fuel filler door.*

1. Open the left-hand front door.
2. Open the fuel filler door.

# Fuel and Refueling

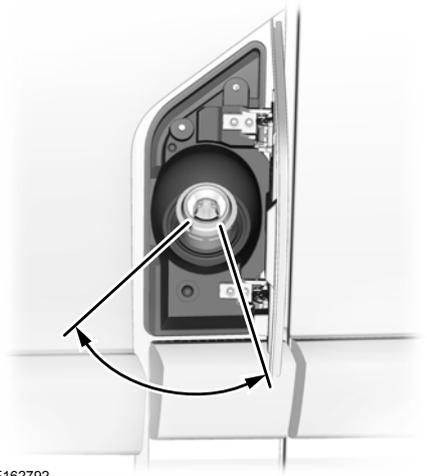


3. Insert the fuel pump nozzle up to the first notch on the nozzle A. Keep it resting on the cover of the fuel tank filler pipe opening.



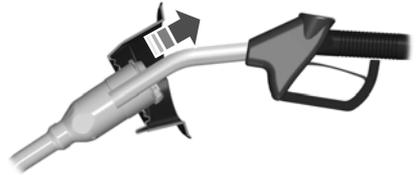
E139203

4. Hold the fuel pump nozzle in position B when refueling. Holding the fuel pump nozzle in position A can affect the flow of fuel and shut off the fuel nozzle before the fuel tank is full.



E162792

5. Operate the fuel pump nozzle within the area shown.



6. Slightly raise the fuel pump nozzle and then slowly remove it.
7. Fully close the fuel filler door.
8. Fully close the left-hand front door.

**Note:** To close the fuel filler door, press the center rear edge of the fuel filler door and then release.

You must complete the refueling process within 20 minutes. If 20 minutes elapses, you must press the button on the instrument panel again. Fuel pump nozzle automatic shut off may occur if you do not press the button on the instrument panel.

# Fuel and Refueling

## Fuel Filler Door Override Cord

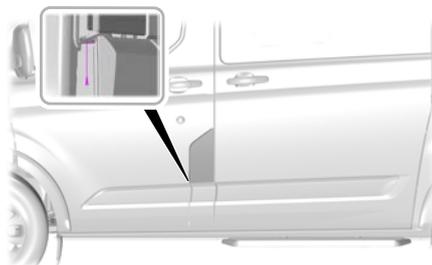


**WARNING:** The fuel system may be under pressure. If you hear a hissing sound near the fuel filler inlet, do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.

**Note:** The transmission must be in park (P) or neutral (N).

When using the fuel filler door override cord do the following:

1. Switch the ignition on.
2. Open the left-hand front door.



3. Pull the fuel filler door override cord.
4. Switch the ignition off.
5. Complete the refueling process within 20 minutes.

## Fuel System Information Messages

If the fuel filler door fails to open, an information message appears in the information display.

Message	Description
Refuel error See manual	A warning message appears in the information display when the fuel system fails to depressurize or the fuel filler door fails to release. You may have to use the fuel filler door override cord.

If the information message appears, do the following:

1. Check the fuel filler door for anything that may be obstructing its movement, for example ice or snow.
2. Remove any obstruction from the fuel filler door.
3. Press the button on the instrument panel to release the fuel filler door.
4. If the fuel filler door fails to release and the information message remains in the information display, use the fuel filler door override cord.

## REFUELING - EXCLUDING: PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.

# Fuel and Refueling

**WARNING:** Do not try to pry open or push open the capless fuel system with foreign objects. This could damage the fuel system and its seal and cause injury to you or others.

**WARNING:** Do not remove the fuel pump nozzle from its fully inserted position when refueling.

**WARNING:** When refueling always shut the engine off and never allow sparks or open flames near the fuel tank filler valve. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

**WARNING:** Wait at least 10 seconds before removing the fuel pump nozzle to allow any residual fuel to drain into the fuel tank.

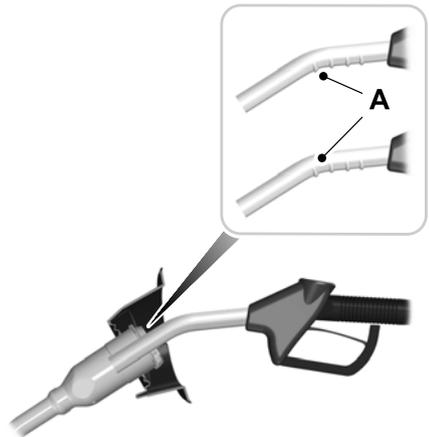
**WARNING:** Stop refueling when the fuel pump nozzle automatically shuts off for the first time. Failure to follow this will fill the expansion space in the fuel tank and could lead to fuel overflowing.



E162791

1. Open the left-hand front door.
2. Fully open the fuel filler door.

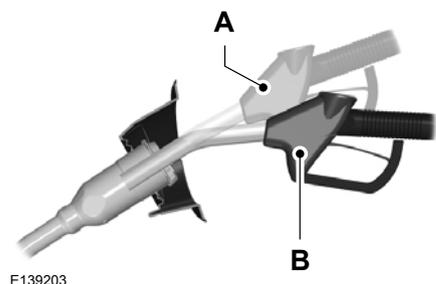
**Note:** Your vehicle does not have a fuel filler cap.



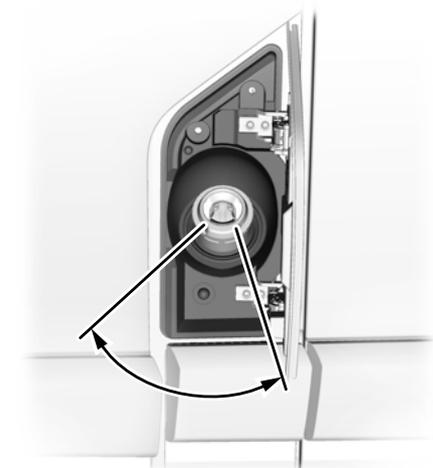
3. Insert the fuel pump nozzle up to the first notch on the nozzle A. Keep it resting on the cover of the fuel tank filler pipe opening.

## Fuel and Refueling

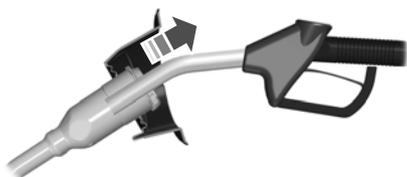
**Note:** The fuel filler nozzle inhibitor only opens when you insert the correct fuel pump nozzle.



4. Hold the fuel pump nozzle in position B when refueling. Holding the fuel pump nozzle in position A could affect the flow of fuel and shut off the fuel pump nozzle before the fuel tank is full.



5. Operate the fuel pump nozzle within the area shown.



6. Slightly raise the fuel pump nozzle and then slowly remove it.
7. Fully close the fuel filler door.

**Note:** Do not attempt to start the engine if you have filled the fuel tank with incorrect fuel. Incorrect fuel use can cause damage not covered by the vehicle Warranty. Have your vehicle immediately checked.

### System Warnings (If Equipped)

If the fuel filler nozzle inhibitor does not fully close a warning message appears in the information display.

1. Stop your vehicle as soon as it is safe to do so and switch the engine off.
2. Shift into park (P) or neutral (N).
3. Apply the parking brake.
4. Open the left-hand front door.
5. Fully open the fuel filler door.
6. Check the fuel filler inlet and the area around it for any items or debris that may be obstructing its movement.
7. Fully insert a fuel pump nozzle or the fuel filler funnel provided with your vehicle into the fuel filler inlet. See **Fuel Filler Funnel Location** (page 154). This action should dislodge any debris that may be preventing the fuel filler inlet from fully closing.
8. Remove the fuel pump nozzle or fuel filler funnel from the fuel filler inlet.
9. Fully close the fuel filler door.

# Fuel and Refueling

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**Note:** *If this action corrects the problem the message may not immediately reset. If the message remains and the service engine soon warning lamp illuminates, have your vehicle checked as soon as possible.*

## FUEL CONSUMPTION

We derive CO<sub>2</sub> and fuel consumption figures in laboratory tests according to Regulation (EC) 715/2007 or CR (EC) 692/2008 and subsequent amendments.

They are intended as a comparison between makes and models of vehicles. They are not intended to represent the real world fuel consumption you may get from your vehicle.

Real world fuel consumption is governed by many factors, for example driving style, high speed driving, stop-start driving, air conditioning usage, add-on accessories, payload and towing.

## Advertised Capacity

The advertised capacity is the maximum amount of fuel that you can add to the fuel tank when the fuel gauge indicates empty. See **Capacities and Specifications** (page 374).

In addition, the fuel tank contains an empty reserve. The empty reserve is an unspecified amount of fuel that remains in the fuel tank when the fuel gauge indicates empty.

**Note:** *The amount of fuel in the empty reserve varies and should not be relied upon to increase driving range.*

## Fuel Economy

Your vehicle calculates fuel economy figures through the trip computer average fuel function. See **Trip Computer** (page 90).

The first 1,500 km (1,000 mi) of driving is the break-in period of the engine. A more accurate measurement is obtained after 3,000 km (2,000 mi).

## Impacting Fuel Economy

- Incorrect tire inflation pressures. See **Tire Pressures** (page 355).
- Fully loading your vehicle.
- Carrying unnecessary weight.
- Adding certain accessories to your vehicle such as bug deflectors, rollbars or light bars, running boards and ski racks.
- Using fuel blended with alcohol. See **Fuel Quality** (page 154).
- Fuel economy may decrease with lower temperatures.
- Fuel economy may decrease when driving short distances.
- You may get better fuel economy when driving on flat terrain than when driving on hilly terrain.

# Engine Emission Control

## CATALYTIC CONVERTER



**WARNING:** Do not park, idle or drive your vehicle on dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, creating the risk of fire.



**WARNING:** The normal operating temperature of the exhaust system is very high. Never work around or attempt to repair any part of the exhaust system until it has cooled. Use special care when working around the catalytic converter. The catalytic converter heats up to a very high temperature after only a short period of engine operation and stays hot after the engine is switched off.



**WARNING:** Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

Your vehicle has various emission control components and a catalytic converter that enables it to comply with applicable exhaust emission standards.

To avoid damaging the catalytic converter:

- Do not crank the engine for more than 10 seconds at a time.
- Do not run the engine with a spark plug lead disconnected.
- Do not push-start or tow-start your vehicle. Use booster cables. See **Jump Starting the Vehicle** (page 258).
- Do not switch the ignition off when your vehicle is moving.
- Do not use leaded fuel.
- Avoid running out of fuel.

**Note:** Resulting component damage may not be covered by the vehicle Warranty.

## On-Board Diagnostics System

Your vehicle has an on-board diagnostics system that monitors the emission control system. If any of the following warning lamps illuminate, this may indicate that the on-board diagnostics system has detected an emission control system malfunction.



Continuing to drive your vehicle may cause reduced power or the engine to stop. Failure to respond to a warning lamp may cause component damage not covered by the vehicle Warranty. Have your vehicle checked as soon as possible.

See **Warning Lamps and Indicators** (page 82).

## SELECTIVE CATALYTIC REDUCTANT SYSTEM

Your vehicle has a selective catalytic reductant system. This reduces exhaust emission levels by injecting AdBlue® into the exhaust system. The engine does not start if you tamper with or disable the selective catalytic reductant system.

For the system to correctly operate, you must maintain the fluid level.

**Note:** When you switch the engine off the selective catalytic reductant system pump runs for a short period of time. This is normal.

# Engine Emission Control

## AdBlue® Guidelines

- Only use AdBlue® certified to ISO-22241.
- Do not put in the vehicle fuel tank. This can cause engine damage not covered by the vehicle Warranty.
- Do not overfill the AdBlue® tank.
- Do not dilute with water or any other liquid.
- Do not re-use an empty fluid container.
- Do not store in direct sunlight.
- Store at temperatures between -5°C (23°F) and 20°C (68°F).
- Do not store fluid containers in your vehicle.
- The fluid is non-flammable, non-toxic, colorless and water-soluble.
- Immediately remove any residue on painted surfaces when filling with AdBlue®.

## Filling the AdBlue® Tank



E204215

The AdBlue® tank filler pipe is next to the fuel tank filler pipe and has a blue cap. Fill the tank using a fluid pump at an AdBlue® filling station or an AdBlue® container.

## Filling in Cold Climates

AdBlue® may freeze when the temperature is below -11°C (12°F). Your vehicle has a preheating system which allows the fluid to operate below -11°C (12°F). If you overfill the AdBlue® tank and the fluid freezes, it may cause damage not covered by the vehicle Warranty.

**Note:** *It may not be possible to fully fill the AdBlue® tank when the temperature is below -11°C (12°F).*

**Note:** *If the AdBlue® tank is frozen, it might not correctly display the fluid level. The AdBlue® level updates once the tank completely thaws out.*

## Filling the AdBlue® Tank Using a Fuel Station Pump



**WARNING:** Do not allow diesel exhaust fluid (AdBlue) to come into contact with eyes, skin or clothing. Should the fluid come into contact with eyes, flush them with plenty of water and seek medical attention. Clean affected skin with soap and water. If swallowed, drink plenty of water and seek medical attention immediately.

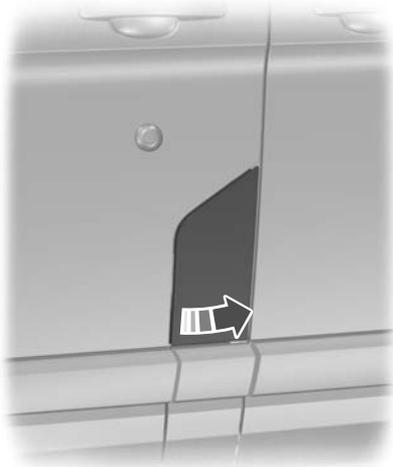


**WARNING:** Refill the diesel exhaust fluid (AdBlue) tank in a well-ventilated area. When removing the tank cap or a container cap, ammonia vapor may escape. Ammonia vapor is an irritant to the eyes, skin and mucous membranes. Inhaling ammonia vapor can cause burning to the eyes, throat and nose resulting in watering eyes or severe coughing.

# Engine Emission Control

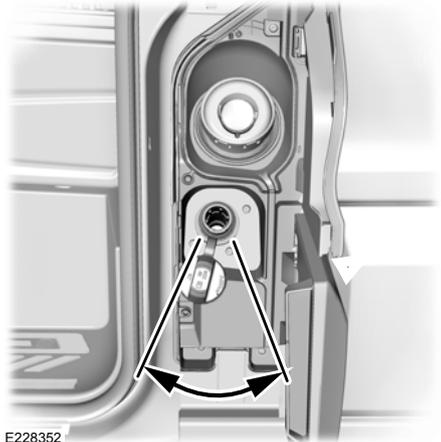
Filling the AdBlue® tank using a fuel station pump is similar to refueling your vehicle.

1. Fully open the fuel filler door.



E144358

2. Remove the AdBlue® tank filler cap.
3. Fully insert the AdBlue® pump nozzle.



E228352

4. Operate the AdBlue® pump nozzle within the area shown.

**Note:** The pump nozzle shuts off when the tank is full.

5. Slightly raise the AdBlue® pump nozzle and then slowly remove it.
6. Replace the AdBlue® tank filler cap. Turn it clockwise until you feel a strong resistance and it clicks.

Do not attempt to start the engine if you have filled the AdBlue® tank with incorrect fluid. Incorrect fluid use could cause damage not covered by the vehicle Warranty. Have your vehicle checked as soon as possible.

# Engine Emission Control

## Filling the AdBlue® Tank Using a Container



**WARNING:** Do not allow diesel exhaust fluid (AdBlue) to come into contact with eyes, skin or clothing. Should the fluid come into contact with eyes, flush them with plenty of water and seek medical attention. Clean affected skin with soap and water. If swallowed, drink plenty of water and seek medical attention immediately.



**WARNING:** Refill the diesel exhaust fluid (AdBlue) tank in a well-ventilated area. When removing the tank cap or a container cap, ammonia vapor may escape. Ammonia vapor is an irritant to the eyes, skin and mucous membranes. Inhaling ammonia vapor can cause burning to the eyes, throat and nose resulting in watering eyes or severe coughing.

Use containers that have a seal on the spout.

Always follow the manufacturer's instructions.

1. Remove the fluid container cap.
2. Place the spout on to the container and tighten it until you feel a strong resistance.
3. Remove the AdBlue® tank filler cap.
4. Insert the spout into the AdBlue® tank filler pipe until the seal on the spout fully seats.
5. Pour the fluid into the tank.

**Note:** *The fluid stops flowing when the tank is full.*

6. Return the container to the vertical position slightly below the AdBlue® tank filler pipe.

7. Allow any fluid remaining in the spout to drain back into the container.
8. Remove the spout from the AdBlue® tank filler pipe.
9. Remove the spout from the AdBlue® container and replace the cap.
10. Replace the AdBlue® tank filler cap. Turn it clockwise until you feel a strong resistance and it clicks.

Do not attempt to start the engine if you have filled the AdBlue® tank with incorrect fluid. Incorrect fluid use could cause damage not covered by the vehicle Warranty. Have your vehicle checked as soon as possible.

## Checking the AdBlue® Level

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle maintenance**.
3. Select **DEF gauge**.

## Checking the AdBlue® Level Status

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle maintenance**.
3. Select **DEF level**.

## AdBlue® Consumption

AdBlue® consumption is directly related to fuel consumption and is governed by many factors, for example driving style, high speed driving, stop-start driving, air conditioning usage, add-on accessories, payload and towing. The AdBlue® consumption may vary between 1% and 5% of the fuel consumption.

AdBlue® consumption is specified for a vehicle variant and not for a single car.

# Engine Emission Control

## Selective Catalytic Reductant System Warning Lamp



The warning lamp illuminates if the system detects the fluid level is low or if there is a system malfunction.

If the warning lamp illuminates, the information display messages give you an indication whether the concern is fluid related or if there is a selective catalytic reductant system malfunction. If the warning lamp illuminates when your vehicle is moving, and the fluid is at a sufficient level, this indicates a system malfunction. Have your vehicle checked as soon as possible.

## Selective Catalytic Reductant System Information Messages

### AdBlue® Level

Message	Action
AdBlue® low Range : XXXX km Refill soon  AdBlue® low Range : XXXX mls Refill soon	Indicates the approximate distance remaining before the AdBlue® tank becomes empty. Refill the AdBlue® tank as soon as possible.
AdBlue® low No engine start in XXXX km  AdBlue® low No engine start in XXXX mls	Indicates the approximate distance remaining before the AdBlue® tank becomes empty. The engine would not restart if you switch the ignition off. Refill the AdBlue® tank as soon as possible.
AdBlue® level empty. Refill to start engine	The AdBlue® tank is empty. The engine would not restart if you switch the ignition off. Refill the AdBlue® tank. The minimum AdBlue® refill quantity required to restart the engine is available in the information display. See <b>Information Displays</b> (page 88).

**Note:** When filling the AdBlue® tank from empty, there may be a short period before the increased AdBlue® level is registered.

# Engine Emission Control

## AdBlue® Malfunction

Message	Action
AdBlue® system malfunction Service required	The system has malfunctioned. Have your vehicle checked as soon as possible.
AdBlue® system No engine start in XXXX km AdBlue® system No engine start in XXXX mls	Indicates the approximate distance before a detected system fault would restrict the engine from starting. The engine would not restart if you switch the ignition off. Have your vehicle checked as soon as possible.
AdBlue® system Service required to start engine	The system has malfunctioned. Have your vehicle checked as soon as possible.

## GASOLINE PARTICULATE FILTER



**WARNING:** Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after regeneration and after you have switched the engine off. This is a potential fire hazard.

To reduce the risk of causing damage to the gasoline particulate filter:

- Do not crank the engine for more than 10 seconds at a time.
- Do not push-start or tow-start your vehicle. Use booster cables.
- Do not switch the ignition off when your vehicle is moving.
- Do not ignore warning lamps, indicators or information messages.

## Gasoline Particulate Filter Regeneration

Particles in the exhaust gas collect in the gasoline particulate filter causing a gradual restriction over time. This restriction is removed through a regeneration process controlled by the engine control system. The regeneration process converts the particles in the exhaust gas into harmless gases.

Regeneration occurs during normal driving, to varying degrees depending on how you drive. Passive regeneration occurs when you drive at moderate to high speed but if you generally drive short distances at low speed, the engine control system could actively raise the exhaust gas temperature to remove the particles that have collected in the filter to make sure that it continues to correctly operate.

# Engine Emission Control

To assist passive regeneration, we recommend that you make occasional journeys that allow you to:

- Drive at a varied range of conditions, including highway conditions for a minimum of 20 minutes.
- Avoid prolonged engine idling.
- Select a suitable gear to maintain engine speed between 1500 and 4000 RPM.

If the filter is saturated or is approaching saturation, a warning lamp illuminates or a message appears in the information display.

## Gasoline Particulate Filter Information Messages

Message	Action
Exhaust filter at limit Drive to clean now	<ul style="list-style-type: none"><li>• Drive at a varied range of conditions, including highway conditions for 20 minutes or until the message disappears.</li><li>• Avoid prolonged engine idling.</li><li>• Select a suitable gear to maintain engine speed between 1500 and 4000 RPM.</li></ul>
Exhaust filter over limit Service now	<ul style="list-style-type: none"><li>• Drive at a moderate speed.</li><li>• Avoid heavy acceleration and deceleration.</li><li>• Have your vehicle checked as soon as possible.</li></ul>

**Note:** A warning lamp illuminates and a message appears in the information display on some vehicles.

If you do not take action when a warning lamp illuminates or a message appears in the information display, you could cause damage not covered by the vehicle Warranty.

## Gasoline Particulate Filter Warning Lamps and Indicators



Malfunction indicator lamp.

## DIESEL PARTICULATE FILTER



**WARNING:** Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after regeneration and after you have switched the engine off. This is a potential fire hazard.



**WARNING:** The normal operating temperature of the exhaust system is very high. Never work around or attempt to repair any part of the exhaust system until it has cooled. Use special care when working around the diesel oxidation catalytic converter or the diesel particulate filter. The diesel oxidation catalytic converter and the diesel particulate filter heat up to very high temperatures after only a short period of engine operation and remain hot after you switch the engine off.

# Engine Emission Control



**WARNING:** Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

Your vehicle has various emission control components and a diesel particulate filter that enables it to comply with applicable exhaust emission standards. It filters harmful diesel particulates, for example soot from the exhaust gas.

To avoid damaging the diesel particulate filter:

- Do not crank the engine for more than 10 seconds at a time.
- Do not push-start or tow-start your vehicle. Use booster cables.
- Do not switch the ignition off when your vehicle is moving.
- Do not ignore warning lamps or information messages regarding exhaust system cleaning and regeneration.

**Note:** *This could result in damage not covered by the vehicle Warranty.*

## On-Board Diagnostics System

Your vehicle has an on-board diagnostics system that monitors the emission control system. If any of the following warning lamps illuminate, this indicates that the on-board diagnostics system has detected an emission control system malfunction.



Engine coolant temperature warning lamp.



Ignition warning lamp.



Malfunction indicator lamp.



Powertrain warning lamp.



Water in fuel warning lamp.

If you continue to drive your vehicle when the warning lamp is illuminated, the engine could stop without warning. This could result in damage not covered by the vehicle Warranty. Have your vehicle checked as soon as possible.

See **Warning Lamps and Indicators** (page 82).

## Diesel Particulate Filter Automatic Regeneration



**WARNING:** Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after regeneration and after you have switched the engine off. This is a potential fire hazard.



**WARNING:** The normal operating temperature of the exhaust system is very high. Never work around or attempt to repair any part of the exhaust system until it has cooled. Use special care when working around the diesel oxidation catalytic converter or the diesel particulate filter. The diesel oxidation catalytic converter and the diesel particulate filter heat up to very high temperatures after only a short period of engine operation and remain hot after you switch the engine off.

# Engine Emission Control

The diesel particulate filter on your vehicle requires periodic regeneration to maintain correct operation. The emission control system automatically carries out this process. As soot gathers in the system it begins to restrict the filter. The soot that gathers inside the filter is cleaned in two different ways, passive regeneration and active regeneration. Both methods occur automatically and require no actions from the driver. During automatic regeneration, the system cleans the diesel particulate filter by oxidizing the soot. Cleaning happens during normal engine operating conditions at varying levels depending on driving conditions.

If the diesel particulate filter is near or at saturation, an information message appears in the information display. Drive your vehicle in a manner to allow effective diesel particulate filter cleaning.

Failure to carry out regeneration when required could result in a clogged diesel particulate filter. If the diesel particulate filter fills beyond the regeneration threshold, the system disables the ability to carry out regeneration. This could result in damage not covered by the vehicle Warranty.

Where vehicle use meets any of the following conditions:

- Driving short distances.
- Prolonged engine idling.
- Frequently switching the engine on and off.
- High levels of acceleration and deceleration.

We recommend you assist the regeneration process by:

- Avoiding prolonged engine idling.
- Drive your vehicle in a manner to allow effective cleaning. Drive at a steady vehicle speed of 50 km/h (30 mph) or above for approximately 20 minutes.



If the warning lamp illuminates the diesel particulate filter could have become overloaded. Have your vehicle checked as soon as possible.

Automatic regeneration raises the exhaust temperature to eliminate the soot particles. During cleaning soot particles are converted to harmless gasses. Once cleaned the diesel particulate filter continues to trap harmful diesel particles.

If you are driving your vehicle in a manner that allows effective cleaning, a message may appear in the information display to indicate automatic regeneration is in progress.

If you are not driving your vehicle in a manner that allows effective cleaning, a message may appear in the information display to instruct you to drive in a manner that allows automatic regeneration.

The automatic regeneration process is most effective when you drive at a steady vehicle speed of 50 km/h (30 mph) or above for approximately 20 minutes. The frequency and duration of the regeneration process varies by how you drive your vehicle, the outside air temperature and altitude. Frequency varies between 160 km (100 mi) and 500 km (310 mi) and each regeneration process lasts between 10 and 20 minutes.

**Note:** *Changes in the engine or exhaust sound may be heard during the regeneration process.*

**Note:** *During regeneration at low speed or engine idle, you may smell a hot metallic odor and could notice a clicking metallic sound. This is due to the high temperatures reached during the regeneration process. This is normal.*

# Engine Emission Control

## Diesel Particulate Filter Manual Regeneration (if Equipped)



**WARNING:** Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after regeneration and after you have switched the engine off. This is a potential fire hazard.



**WARNING:** The normal operating temperature of the exhaust system is very high. Never work around or attempt to repair any part of the exhaust system until it has cooled. Use special care when working around the diesel oxidation catalytic converter or the diesel particulate filter. The diesel oxidation catalytic converter and the diesel particulate filter heat up to very high temperatures after only a short period of engine operation and remain hot after you switch the engine off.

If the diesel particulate filter is near or at saturation, an information message appears in the information display advising you to initiate diesel particulate filter manual regeneration.

Before you start manual regeneration, do the following:

- Park your vehicle outside of any enclosed structure.
- Make sure the transmission is in park (P) or neutral (N).
- Make sure the parking brake is on.
- Park your vehicle a minimum of 3 m (10 ft) from any obstructions and materials that can easily combust or melt, for example, paper, leaves, fuels, plastics and other dry organic material.

- Make sure there is a minimum of 12 L (2.6 gal) of fuel in the fuel tank.
- Check the engine oil level.
- Check the engine coolant level.

### Manual Regeneration

Where vehicle use has significant engine idle operation, frequent vehicle speed less than 40 km/h (25 mph), or driving short distances where the engine does not fully warm up, manual regeneration allows you to start diesel particulate filter cleaning when the engine is idling.

Use the manual regeneration feature when:

- You are not able to drive in a manner that allows effective automatic cleaning. The automatic regeneration process is most effective when you drive at a steady vehicle speed of 50 km/h (30 mph) or above for approximately 20 minutes. .
- You choose to manually start the regeneration process when the engine is idling.

**Note:** *Changes in the engine or exhaust sound may be heard during the regeneration process.*

**Note:** *During regeneration at low speed or engine idle, you may smell a hot metallic odor and could notice a clicking metallic sound. This is due to the high temperatures reached during the regeneration process. This is normal.*

### Starting Manual Regeneration

You can only start manual regeneration with the engine running at normal operating temperature using the information display.

**Note:** *During the use of manual regeneration, you may observe a light amount of white smoke. This is normal.*

# Engine Emission Control

**Note:** *If you press any pedal during manual regeneration the engine may turn off. To protect the exhaust system you may not be able to restart the engine for 10 minutes.*

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle maintenance**.
3. Select **Exhaust filter**.
4. Press and hold the **OK** button until a confirmation message appears in the information display.



If a warning illuminates you may not be able to start manual regeneration.

When you start manual regeneration the engine speed rises to approximately 2000–2500 rpm and the cooling fan speed increases. A change in engine noise due to the cooling fan and engine speed increase may be heard during the regeneration process.

Depending on the amount of soot collected by the diesel particulate filter, the regeneration process varies depending on the outside air temperature and altitude. Manual regeneration may last up to 40 minutes.

When manual regeneration is complete the cooling fan and engine speed return to normal idling. The exhaust system remains very hot for several minutes after regeneration is complete. Do not reposition the vehicle over dry leaves, dry grass or other combustible materials until the exhaust system has had sufficient time to cool.

## **Interrupting or Cancelling Manual Regeneration**

You can interrupt or cancel manual regeneration by switching the engine off. It may be possible to interrupt or cancel manual regeneration by pressing any pedal.

**Note:** *To protect the exhaust system you may not be able to restart the engine for 10 minutes.*

Depending on the amount of time allowed for manual regeneration to operate, soot may not have had sufficient time to be eliminated. The exhaust system may still be very hot for several minutes after regeneration.

If you switch the engine off during manual regeneration, turbo charger flutter occurs. This is a consequence of switching a diesel engine off during turbo charger boost operation, which is normal.

# Engine Emission Control

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## Diesel Particulate Filter Information Messages

<b>Message</b>	<b>Action</b>
Exhaust filter at limit Drive to clean now	<ul style="list-style-type: none"><li>• Drive at a varied range of conditions, including highway conditions for 20 minutes or until the message disappears.</li><li>• Avoid prolonged engine idling.</li><li>• Select a suitable gear to maintain engine speed between 1500 and 4000 RPM.</li></ul>
Exhaust filter over limit Service now	<ul style="list-style-type: none"><li>• Drive at a moderate speed.</li><li>• Avoid heavy acceleration and deceleration.</li><li>• Have your vehicle checked as soon as possible.</li></ul>

# High Voltage Battery

## WHAT IS THE HIGH VOLTAGE BATTERY

Your plug-in hybrid vehicle has an electric motor, a high voltage battery and a gasoline engine.

The system is designed to help reduce fuel consumption and CO<sub>2</sub> emissions by using the gasoline engine as a generator.

Your vehicle is equipped with regenerative braking system. It captures deceleration energy and stores it in the high voltage battery.

## CHARGING THE HIGH VOLTAGE BATTERY

### AC CHARGING

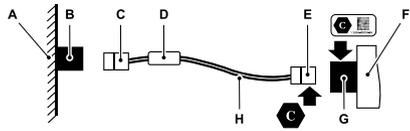


**WARNING:** Do not use the charging equipment if it is faulty or has been damaged. Failure to follow this instruction could result in personal injury, fire, electric shock, death or property damage.

### Charging At Home

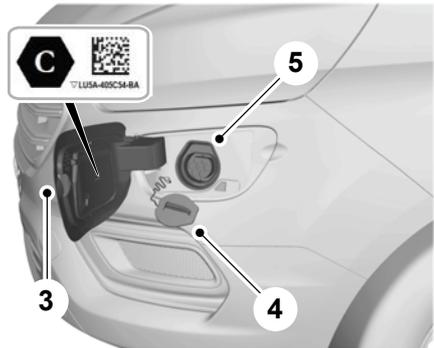
You must unwrap your universal home charge cord completely before charging.

When using the universal home charge cord, plug the charge coupler into the vehicle charge port where the same identifier symbol can be seen.



- A Mains
- B Socket Outlet (Household)
- C Plug
- D Control box
- E Charge coupler
- F Vehicle
- G Charge port receptacle
- H Universal home charge cord

1. Shift into park (P), apply the parking brake and switch the ignition off.
2. Plug the universal home charge cord plug into the AC outlet.



3. Fully open the charge port door.
4. Remove the charge port cover.
5. Plug the charge coupler into the charge port on your vehicle.

**Note:** Make sure that you fully engage the charge coupler.

# High Voltage Battery

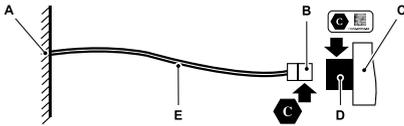
**Note:** Your vehicle will lock to the charge coupler.

**Note:** When the charge coupler is properly engaged the light ring will illuminate. This indicates the beginning of a normal charge cycle.

**Note:** It takes approximately four to six hours to completely charge a discharged battery.

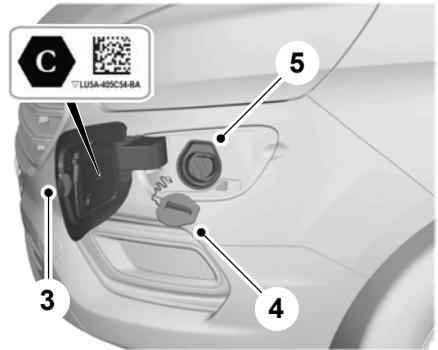
## Charging in Public

When using an AC charge station with cables attached, choose charge station cord coupler where the same identifier symbol can be seen.



- A AC charge station
- B Charge coupler
- C Vehicle
- D Charge port receptacle
- E Cable

1. Shift into park (P), apply the parking brake and switch the ignition off.
2. Select the appropriate charge station port.



3. Fully open the charge port door.
4. Remove the charge port cover.
5. Plug the charge station coupler into the the charge port on your vehicle.

**Note:** Make sure that you fully engage the charge station coupler.

**Note:** Your vehicle will lock to the charge coupler.

**Note:** When the charge coupler is properly engaged the light ring will illuminate. This indicates the beginning of a normal charge cycle.

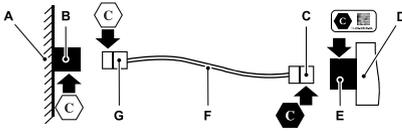
**Note:** If you are using a 230 V charging station, follow the instructions on the charging station.

## Charging Using Your Public Charge Cord (if Equipped)

You must unwrap the public charge cord completely before charging.

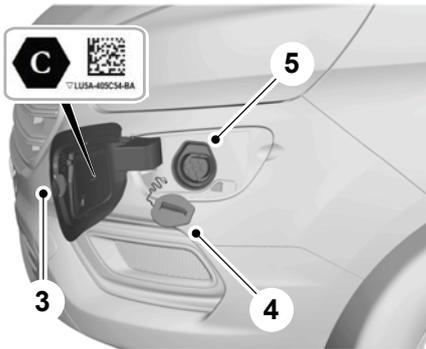
When using an AC charge station without cables attached, plug your public charge cord into the charge station and the vehicle charge port where the same identifier symbol can be seen.

# High Voltage Battery



- A AC charge station
- B Charge station port
- C Vehicle charge coupler
- D Vehicle
- E Charge port receptacle
- F Public charge cable
- G Charge station charge coupler

1. Shift into park (P), apply the parking brake and switch the ignition off.
2. Plug your public charge cord into the appropriate charge station port.



3. Fully open the charge port door.
4. Remove the charge port cover.
5. Plug the public charge cord coupler into the charge port on your vehicle.

**Note:** Make sure that you fully engage the public charge cord coupler.

**Note:** Your vehicle will lock to the charge coupler.

**Note:** When the coupler is properly engaged the light ring will illuminate. This indicates the beginning of a normal charge cycle.

**Note:** If you are using a 230 V charging station, follow the instructions on the charging station.

## Stopping Charging

The charge port unlock button is next to the charge port.



Unlock your vehicle.

Press the charge port unlock button to stop charging the high

voltage battery.

**Note:** If the charging equipment remains connected, charging resumes after a short period of time.

## Disconnecting the Charging Equipment

1. Unlock your vehicle.
2. Press the charge port unlock button.
3. Disconnect the coupler from the charge port on your vehicle.

**Note:** You cannot disconnect the coupler until charging has been stopped or completed.

**Note:** Do not use excessive force to disconnect the coupler. This could damage the charge port and the coupler.

4. Install the charge port cover.
5. Close the charge port door.
6. Disconnect the universal home charge cord plug from the AC outlet.

**Note:** Do not disconnect the universal home charge cord plug from the AC outlet when the vehicle is charging. This could damage the AC outlet and the universal home charge cord.

# High Voltage Battery

## Charging Equipment Identification Symbols



Identifier symbol visible on universal home charge cord couplers, charge station cord couplers and vehicle charge ports.

Supply Type	Standard	Configuration	Type of Accessory	Voltage Range
AC	EN 62196-2	Type 2	Universal home charge cord coupler, charge station coupler and vehicle charge port.	Lower or equal to 480 volt RMS



Identifier symbol visible on charge station ports and your public charge cord coupler.

Supply Type	Standard	Configuration	Type of Accessory	Voltage Range
AC	EN 62196-2	Type 2	Charge station port, public charge cord coupler.	Lower or equal to 480 volt RMS

## HIGH VOLTAGE BATTERY PRECAUTIONS



**WARNING:** Do not use the charging equipment with an extension cord, surge protector, timer or other adapter. Failure to follow this instruction could result in electric shock or fire.



**WARNING:** The wall plug must fit firmly into the outlet. If the connection feels loose, worn or the outlet is damaged, have a qualified electrician replace the outlet. Using charging equipment with a worn outlet may cause burns, property damage and increase the risk of electric shock.



**WARNING:** This battery pack should only be serviced by an authorized electric vehicle technician. Improper handling can result in personal injury or death.

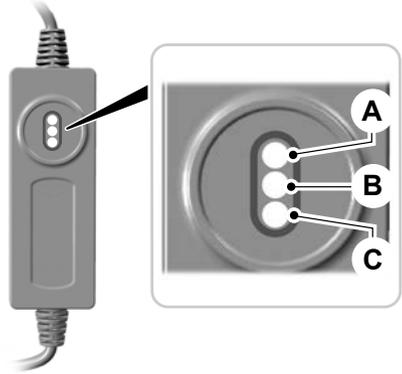
# High Voltage Battery

## CHARGING EQUIPMENT REQUIREMENTS

Your electrical source must meet certain requirements for the high voltage batteries to charge:

- Make sure that the AC outlet is properly grounded and in good condition.
- Use a dedicated circuit, which means you cannot have other appliances connected to the same circuit.

**Note:** If you do not have a dedicated circuit, contact a qualified electrician for proper installation.



## LOCATING THE CHARGING EQUIPMENT

The universal home charge cord is located in a bag under the front passenger seat.

## CHARGING EQUIPMENT INDICATORS

The universal home charge cord has indicators showing the charging status.

Item	Indicator Color	Charging Status
A	Green.	Power.
B	Red.	Fault.
C	Amber.	Check AC outlet.

Convenience Cord Indicators			Description
Green	Red	Amber	
On	Off	Off	The universal home charge cord is connected to the AC outlet and ready to charge your vehicle.
Off	Off	Off	If all indicators are off after connecting to the AC outlet, your vehicle is not charging. Use a different AC outlet.
On	Flashing	On	The universal home charge cord is overheating. Check the AC outlet. If the universal home charge cord still overheats, use a different AC outlet.

# High Voltage Battery

<b>Convenience Cord Indicators</b>			<b>Description</b>
<b>Green</b>	<b>Red</b>	<b>Amber</b>	
On	Off	Flashing	The universal home charge cord is charging at a reduced current rate due to AC outlet overheating. Check the AC outlet. If the AC outlet still overheats, use a different AC outlet.
On	On	Flashing	The universal home charge cord plug has overheated. Your vehicle is not charging. Have the AC outlet checked as soon as possible.
On	On or double flashing	Double flashing	The AC outlet has malfunctioned. Your vehicle is not charging. Have the AC outlet checked as soon as possible. Use a different AC outlet.
On	On or flashing	Off	The vehicle has malfunctioned. Your vehicle is not charging. Have your vehicle checked as soon as possible.

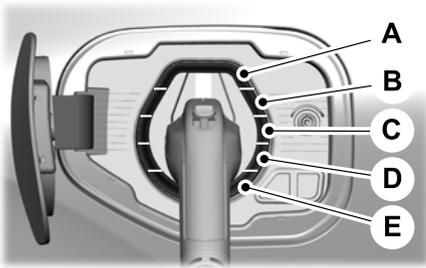
# High Voltage Battery

## LOCATING THE CHARGE PORT

The charge port is on the left-hand side of your vehicle, under the headlamp.

## CHARGE PORT INDICATORS

The indicators around the charge port are divided into five segments. They display the high voltage battery state of charge in 20 percent increments.



- A. State of charge 80-100%.
- B. State of charge 60-80%.
- C. State of charge 40-60%.
- D. State of charge 20-40%.
- E. State of charge 0-20%.

**Note:** The charge port indicators flash blue to confirm you have correctly engaged the universal home charge cord coupler.

**Note:** If the charge port indicators illuminate red, there is a charging malfunction. Disconnect the universal home charge cord coupler, then connect it again to the charge port. If the charge port indicators still illuminate red, have your vehicle checked.

**Note:** If the charge port indicators flash red, there is a charging equipment malfunction. Disconnect the universal home charge cord coupler, then connect it again to the charge port. If the charge port indicators still flash red, try another universal home charge cord or charging station.

## HIGH VOLTAGE SHUTOFF SWITCH

In the event of a moderate to severe crash, the high voltage shutoff switch stops the power going from the high voltage battery. Not every impact causes a shutoff.

Should your vehicle shutoff after a crash, attempt to restart your vehicle:

1. Turn the key to position **0**.
2. Press the brake pedal.
3. Turn the key to position **III**.



The indicator illuminates when your vehicle is ready to drive.

**Note:** If your vehicle does not restart after a third attempt, have your vehicle checked as soon as possible.

# Transmission

## MANUAL TRANSMISSION

### General Information

Do not rest your hand on the gearshift lever or use the gearshift lever to hang and support objects. This could cause damage to the transmission not covered by the vehicle Warranty.

Do not rest your foot on the clutch pedal or use the clutch pedal to keep your vehicle stationary when waiting on a hill. This could cause damage to the clutch not covered by the vehicle Warranty.

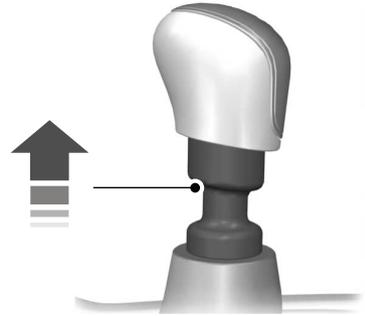
Failure to fully press the clutch pedal could cause increased shift efforts, prematurely wear transmission components or damage to the transmission.

If any gear is not fully engaged, fully press the clutch pedal and shift into neutral. Release the clutch pedal for a moment, fully press the clutch pedal again and shift into gear.

### Shifting Into Reverse Gear

Do not shift into reverse gear when your vehicle is moving. This could cause damage to the transmission not covered by the vehicle Warranty.

1. Fully press the brake pedal.
2. Fully press the clutch pedal and shift into neutral.



3. Raise the collar and shift into reverse gear.

## AUTOMATIC TRANSMISSION - EXCLUDING: PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

 **WARNING:** Do not apply the brake pedal and accelerator pedal simultaneously. Applying both pedals simultaneously for more than a few seconds will limit engine performance, which may result in difficulty maintaining speed in traffic and could lead to serious injury.

 **WARNING:** When your vehicle is stationary, keep the brake pedal fully pressed when shifting gears. Failure to follow this instruction could result in personal injury, death or property damage.

# Transmission



**WARNING:** Apply the parking brake, shift into park (P), switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.

## Selector Lever Positions

The instrument cluster displays the current position.

### Park (P)

In park (P), power is not transmitted to the driven wheels and the transmission is locked. You can start the engine with the transmission in this position.

Shift into park (P) only when your vehicle is stationary.

### Reverse (R)

Shift into reverse (R) only when your vehicle is stationary and the engine is at idle speed.

### Neutral (N)



**WARNING:** In neutral (N) your vehicle has the ability to roll freely. If you intend to leave your vehicle, make sure you apply the parking brake.

In neutral (N), power is not transmitted to the driven wheels but the transmission is not locked. You can start the engine with the transmission in this position.

### Drive (D)

Drive (D) is the normal position for driving.

## Manual (M)

In manual (M), you can upshift or downshift using the buttons on the selector lever.

### SelectShift™

#### About SelectShift™

Use this feature to upshift or downshift using the buttons on the selector lever.

#### Using SelectShift™

Shift into manual (M) to switch the feature on.

- Press the **+** button to upshift.
- Press the **-** button to downshift.

Shift into another gear to switch the feature off.

## Brake Shift Interlock

### About Brake Shift Interlock

Brake shift interlock prevents you from shifting out of park (P) when you have switched the ignition on and not pressed the brake pedal.

### Shifting Out of Park (P)



**WARNING:** Do not drive your vehicle until you verify that the stoplamps are working.



**WARNING:** If the parking brake is fully released, but the brake warning lamp remains illuminated, the brakes may not be working properly. Have your vehicle checked as soon as possible.

Use the brake shift interlock lever to move the selector lever out of park (P) if you cannot start the engine.

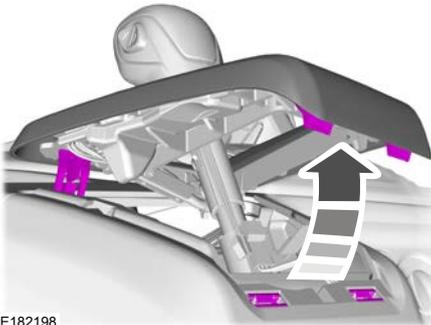
# Transmission

In the event of an electrical malfunction, it is possible that a fuse has blown or the stoplamps are not working. See **Fuse Specification Chart** (page 278).

If the vehicle battery has no charge, jump start your vehicle. See **Jump Starting the Vehicle** (page 258).

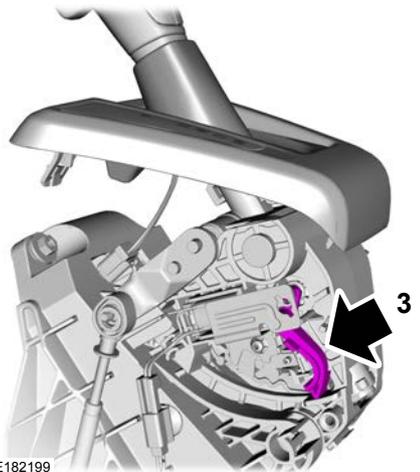


**WARNING:** When doing this procedure, you need to take the transmission out of park (P) which means your vehicle can roll freely. To avoid unwanted vehicle movement, always fully apply the parking brake prior to doing this procedure. Use wheels chocks if appropriate.



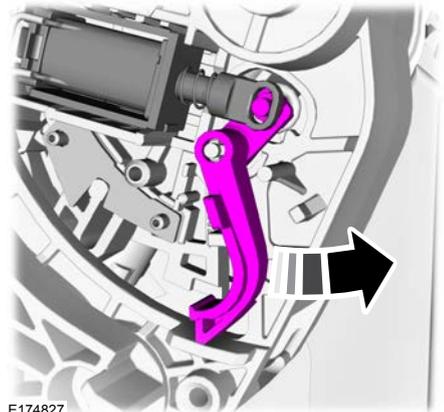
E182198

1. Using a flat-bladed screwdriver, remove the panel.



E182199

2. Locate the brake shift interlock lever.



E174827

3. Push the brake shift interlock lever toward the rear of your vehicle and hold it there.
4. Move the selector lever from park (P) to neutral (N).
5. Install the panel.

# Transmission

6. Press the brake pedal, start the engine and release the parking brake.

## **Transmission Not in Park (P) Audible Warning**

Sounds when you open the driver door and you have not moved the selector lever to park (P).

## **Automatic Transmission Information Messages**

<b>Message</b>	<b>Description</b>
Transmission malfunction Service now Transmission Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
Transmission overtemperature Stop safely Transmission overheating Stop safely Transmission too hot Press brake	The transmission is overheating and needs to cool. Stop your vehicle as soon as it is safe to do so, leave the engine running and allow the transmission to cool. Wait until the message disappears.
Transmission limited function See manual	The transmission has limited functionality. The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
Transmission warming up Please wait	Displays at low outside temperatures, if it takes a few seconds for the transmission to engage a gear. Fully press the brake pedal until the message disappears.
Transmission not in Park	Displays as a reminder to shift into park (P).

# Transmission

## AUTOMATIC TRANSMISSION - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Do not apply the brake pedal and accelerator pedal simultaneously. Applying both pedals simultaneously for more than a few seconds will limit engine performance, which may result in difficulty maintaining speed in traffic and could lead to serious injury.



**WARNING:** When your vehicle is stationary, keep the brake pedal fully pressed when shifting gears. Failure to follow this instruction could result in personal injury, death or property damage.



**WARNING:** Apply the parking brake, shift into park (P), switch the ignition off and remove the key before you leave your vehicle. Failure to follow this instruction could result in personal injury or death.

### Selector Lever Positions

The instrument cluster displays the current position.

#### Park (P)

In park (P), power is not transmitted to the driven wheels and the transmission is locked. You can start the vehicle with the transmission in this position.

Shift into park (P) only when your vehicle is stationary.

#### Reverse (R)

Shift into reverse (R) only when your vehicle is stationary.

#### Neutral (N)



**WARNING:** In neutral (N) your vehicle has the ability to roll freely. If you intend to leave your vehicle, make sure you apply the parking brake.

In neutral (N), power is not transmitted to the driven wheels but the transmission is not locked.

#### Drive (D)

Drive (D) is the normal position for driving.

#### Low (L)

Low (L) provides maximum regenerative braking. You can shift into low (L) at any vehicle speed.

#### Brake Shift Interlock

##### About Brake Shift Interlock

Brake shift interlock prevents you from shifting out of park (P) when you have started your vehicle and not pressed the brake pedal.

#### Shifting Out of Park (P)



**WARNING:** Do not drive your vehicle until you verify that the stoplamps are working.



**WARNING:** If the parking brake is fully released, but the brake warning lamp remains illuminated, the brakes may not be working properly. Have your vehicle checked as soon as possible.

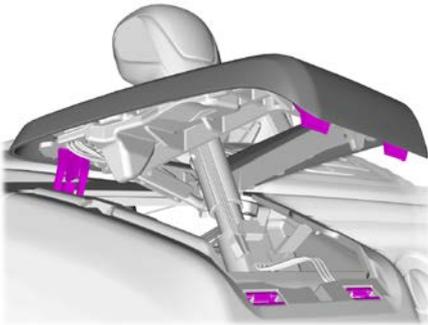
Use the brake shift interlock lever to move the selector lever out of park (P) if you cannot start the vehicle.

# Transmission

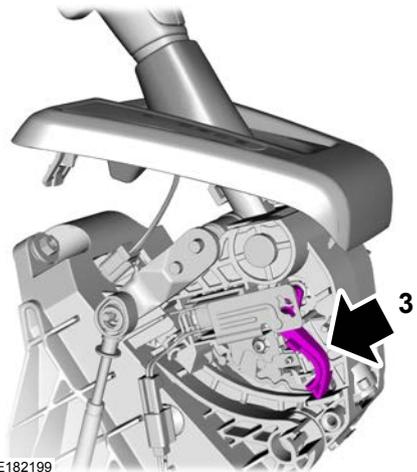
In the event of an electrical malfunction, it is possible that a fuse has blown or the stoplamps are not working.



**WARNING:** When doing this procedure, you need to take the transmission out of park (P) which means your vehicle can roll freely. To avoid unwanted vehicle movement, always fully apply the parking brake prior to doing this procedure. Use wheels chocks if appropriate.

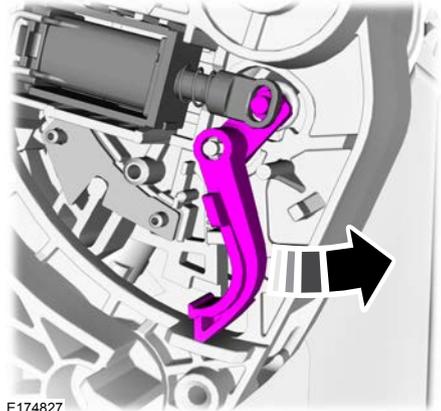


1. Using a flat-bladed screwdriver, remove the panel.



E182199

2. Locate the brake shift interlock lever.



E174827

3. Push the brake shift interlock lever toward the rear of your vehicle and hold it there.
4. Move the selector lever from park (P) to neutral (N).
5. Install the panel.

# Transmission

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6. Press the brake pedal, start the vehicle and release the parking brake.

## **Transmission Not in Park (P) Audible Warning**

Sounds when you open the driver door and you have not moved the selector lever to park (P).

# Brakes

## GENERAL INFORMATION

**Note:** Occasional brake noise is normal. If a metal-to-metal, continuous grinding or continuous squeal sound is present, the brake linings may be worn-out. If your vehicle has continuous vibration or shudder in the steering wheel while braking, have your vehicle checked by an authorized dealer.

**Note:** Brake dust may accumulate on the wheels, even under normal driving conditions. Some dust is inevitable as the brakes wear. See **Cleaning Wheels** (page 337).

**Note:** Depending on applicable laws and regulations in the country for which your vehicle was originally built, the brake lamps may flash during heavy braking. Following this the hazard warning flashers may also flash when your vehicle comes to a stop.

Wet brakes result in reduced braking efficiency. Gently press the brake pedal a few times when driving from a car wash or standing water to dry the brakes.

## Brake Over Accelerator

In the event the accelerator pedal becomes stuck or entrapped, apply steady and firm pressure to the brake pedal to slow the vehicle and reduce engine power. If you experience this condition, apply the brakes and bring your vehicle to a safe stop. Shift the transmission to park (P) (automatic transmission) or to a low gear (manual transmission), switch the engine off and apply the parking brake. Inspect the accelerator pedal and the area around it for any items or debris that may be obstructing its movement. If none are found and the condition persists, have your vehicle towed to the dealer for service.

## Brake Assist

Brake assist detects when you brake heavily by measuring the rate at which you press the brake pedal. It provides maximum braking efficiency as long as you press the pedal. Brake assist can reduce stopping distances in critical situations.

## Anti-lock Brake System

This system helps you maintain steering control and vehicle stability during emergency stops by keeping the brakes from locking.

## HINTS ON DRIVING WITH ANTI-LOCK BRAKES

The anti-lock brake system does not eliminate the risks when:

- You drive too closely to the vehicle in front of you.
- Your vehicle is hydroplaning.
- You take corners too fast.
- The road surface is poor.

**Note:** If the system activates, the brake pedal could pulse and may travel further. Maintain pressure on the brake pedal. You may also hear a noise from the system. This is normal.

## PARKING BRAKE - AUTOMATIC TRANSMISSION



**WARNING:** Always fully apply the parking brake and make sure you shift into park (P). Switch the ignition off and remove the key whenever you leave your vehicle.

To apply the parking brake:

1. Firmly press the brake pedal.

# Brakes

2. Pull the parking brake lever upward to its fullest extent.

**Note:** Do not press the release button when pulling the parking brake lever upward.

**Note:** If you park your vehicle on a hill and facing uphill, shift into park (P) and turn the steering wheel away from the curb.

**Note:** If you park your vehicle on a hill and facing downhill, shift into park (P) and turn the steering wheel toward the curb.

To release the parking brake:

1. Firmly press the brake pedal.
2. Slightly pull the parking brake lever upward.
3. Press the release button and push the parking brake lever downward.

## PARKING BRAKE - MANUAL TRANSMISSION



**WARNING:** Always set the parking brake fully.

**Note:** If you park your vehicle on a hill and facing uphill select first gear and turn the steering wheel away from the curb.

**Note:** If you park your vehicle on a hill and facing downhill select reverse gear and turn the steering wheel toward the curb.

**Note:** Do not press the release button while pulling the lever up.

To apply the parking brake:

1. Press the foot brake pedal firmly.
2. Pull the parking brake lever up to its fullest extent.

To release the parking brake:

1. Press the brake pedal firmly.
2. Pull the lever up slightly.

3. Press the release button and push the lever down.

## HILL START ASSIST



**WARNING:** The system does not replace the parking brake. When you leave your vehicle, always apply the parking brake.



**WARNING:** You must remain in your vehicle when the system turns on. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



**WARNING:** The system will turn off if a malfunction is apparent or if you rev the engine excessively. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

The system makes it easier to pull away when your vehicle is on a slope without the need to use the parking brake.

When the system is active, your vehicle will remain stationary on the slope for two to three seconds after you release the brake pedal. This allows time to move your foot from the brake to the accelerator pedal. The system releases the brakes automatically once the engine has developed sufficient drive to prevent your vehicle from rolling down the slope. This is an advantage when pulling away on a slope, for example from a car park ramp, traffic lights or when reversing uphill into a parking space.

**Note:** The system will not operate if the parking brake is applied.

# Brakes

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**Note:** *There is no warning light to indicate the system is either on or off.*

## Using Hill Start Assist

1. Press the brake pedal to bring your vehicle to a complete standstill. Keep the brake pedal pressed.
2. If the sensors detect that your vehicle is on a slope, the system will activate automatically.
3. When you remove your foot from the brake pedal, your vehicle will remain on the slope without rolling away for approximately two to three seconds. This hold time will automatically be extended if you are in the process of driving off.
4. Drive off in the normal manner. The system will release the brakes automatically.

**Note:** *When you remove your foot from the brake pedal and press the pedal again when the system is active, you will experience significantly reduced brake pedal travel. This is normal.*

## Switching the System On and Off

### Vehicles with Manual Transmission

You can switch this feature on or off in the information display. The system remembers the last setting when you start your vehicle.

### Vehicles with Automatic Transmission

You cannot turn the system on or off. When you switch the ignition on, the system automatically turns on.

# Traction Control

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## PRINCIPLE OF OPERATION

The traction control system helps avoid drive wheel spin and loss of traction.

If your vehicle begins to slide, the system applies the brakes to individual wheels and, when needed, reduces engine power at the same time. If the wheels spin when accelerating on slippery or loose surfaces, the system reduces engine power in order to increase traction.

## USING TRACTION CONTROL

The system automatically turns on each time you switch the ignition on.

If your vehicle is stuck in mud or snow, switching traction control off may be beneficial as this allows the wheels to spin.

When you switch traction control off, stability control remains partially active.

### **Switching the System Off and On Using the Information Display Controls (If Equipped)**

If required, you can switch this feature off using the information display controls. See **General Information** (page 88).

### **Switching the System Off Using the Switch (If Equipped)**

The location of the switch is on the instrument panel.

Press the switch. You will see a message in conjunction with an illuminated icon in the display. Press the switch again to return the system to normal mode.

# Stability Control

## PRINCIPLE OF OPERATION

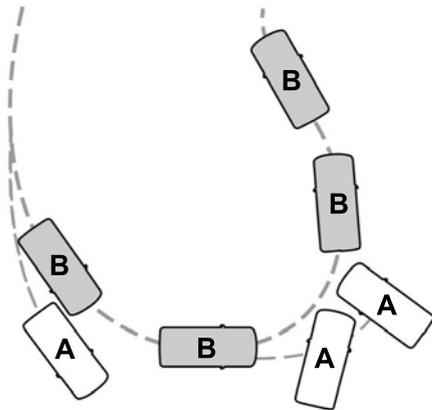
### Electronic Stability Control



**WARNING:** The system is designed to aid the driver. It is not intended to replace your attention and judgment. You are still responsible to drive with due care and attention.

The system supports stability when your vehicle starts to slide away from your intended path. The system does this by braking individual wheels and reducing engine torque.

The system also provides an enhanced traction control function by reducing engine torque if the wheels spin when you accelerate. This helps to pull away on slippery roads or loose surfaces, and improves comfort by limiting wheel spin in hairpin bends.



- A Without ESC.
- B With ESC.

### Stability Control Warning Lamp



Flashes during operation. See **Warning Lamps and Indicators** (page 82).

### Side-Wind Stabilization (If Equipped)

The system applies the brakes on one side of your vehicle to reduce the effect of a sudden side-wind gust on your vehicle's path. When the system turns on, the stability and traction control light flashes, and a message may appear in the information display. You may notice a slight deceleration and may still need to make a steering correction to maintain the intended vehicle path. The system does not turn on for a continuous side-wind or during turns.

## USING STABILITY CONTROL

**Note:** The system automatically turns on each time you switch the ignition on.

You can switch the traction control system off and on. See **Using Traction Control** (page 191).

# Parking Aids (If Equipped)

## PRINCIPLE OF OPERATION



**WARNING:** The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



**WARNING:** To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.



**WARNING:** Traffic control systems, inclement weather, air brakes, external motors and fans may affect the correct operation of the sensing system. This may cause reduced performance or false alerts.



**WARNING:** The system may not detect small or moving objects, particularly those close to the ground.

**Note:** Some accessories such as large trailer hitches, bike or surfboard racks can cause reduced performance or false alerts.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt. Blocked sensors may affect system accuracy. Do not clean the sensors with sharp objects.

**Note:** If your vehicle sustains damage leaving the sensors misaligned, this will cause inaccurate measurements or false alerts.

**Note:** The sensing system cannot be turned off when a MyKey is present. See **Principle of Operation** (page 47).

We recommend that you take some time to get to know the system and its limitations by reading this section.

The sensing system warns the driver of obstacles within a certain range of your vehicle. The system automatically turns on each time you switch the ignition on.



You can turn the system on or off by pressing the parking aid button. If your vehicle does not have a parking aid button, the system can be switched off through the information display menu or from the pop-up message that appears once you shift the transmission into reverse (R). See **General Information** (page 88).

If a fault is present in the system, a warning message appears in the information display and does not allow you to switch the system on.

See **Information Messages** (page 93).

## REAR PARKING AID



**WARNING:** The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



**WARNING:** The system may not detect small or moving objects, particularly those close to the ground.



**WARNING:** To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.



**WARNING:** The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

## Parking Aids (If Equipped)

If the system malfunctions, a message appears in the information display.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt.

**Note:** Do not cover up the sensors.

**Note:** Do not clean the sensors with sharp objects.

**Note:** If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.

**Note:** Some add-on accessories, for example large trailer hitches or bike or surfboard racks can cause reduced performance or false alerts.

The sensors are active when the transmission is in reverse (R) and the vehicle speed is less than 8 km/h (5 mph). When the parking aid system sounds a tone, the audio system may reduce the set volume.

A warning tone sounds when an object approaches your vehicle. As your vehicle moves closer to an object, the rate of the tone increases. The warning tone continuously sounds when an object is 30 cm (12 in) or less from the center of the rear bumper.

**Note:** There is a decreased coverage area at the outer corners.



Sensor coverage area is up to 180 cm (70 in) from the rear bumper.

The system detects large objects when you shift into reverse (R) and any of the following occur:

- Your vehicle is moving backward at low speed.
- Your vehicle is stationary but an object is approaching the rear of your vehicle at low speed.
- Your vehicle is moving backward at low speed and an object is moving toward your vehicle, for example another vehicle at low speed.

If your vehicle remains stationary for two seconds the audible warning turns off. If your vehicle moves backward the tone sounds again.

**Note:** If the detected object is 30 cm (12 in) or less from the rear bumper, the audible warning does not turn off.

### Object Distance Indicator (If Equipped)

When you shift into reverse (R), the system provides object distance indication through the information display.

## Parking Aids (If Equipped)

- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If there is no object detected, the distance indicator blocks are gray.

### Rear Parking Aid Information Messages

Message	Description
Park Pilot malfunction	The system has malfunctioned. Have your vehicle checked as soon as possible.
Check Park Pilot	The system has malfunctioned. Have your vehicle checked as soon as possible.
Check rear Park Pilot	The system has malfunctioned. Have your vehicle checked as soon as possible.
Rear Park Pilot not available Sensor blocked See manual	A sensor is blocked or the system has malfunctioned. Clean the bumper or remove any obstruction. If the message continues to appear, have your vehicle checked as soon as possible.

### FRONT PARKING AID



**WARNING:** The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



**WARNING:** The system may not detect small or moving objects, particularly those close to the ground.



**WARNING:** The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

The sensors are on the front bumper.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt.

**Note:** Do not cover up the sensors.

**Note:** Do not clean the sensors with sharp objects.

**Note:** If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.

The sensors are active when the transmission is in any position other than park (P). When the parking aid system sounds a tone, the audio system may reduce the set volume.

A warning tone sounds when an object approaches your vehicle. As your vehicle moves closer to an object, the rate of the tone increases. The warning tone continuously sounds when an object is 30 cm (12 in) or less from the front bumper.

The system turns off when the vehicle speed reaches 8 km/h (5 mph).

## Parking Aids (If Equipped)



- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If there is no object detected, the distance indicator blocks are gray.

When you shift into reverse (R), the system provides audio warnings and visual indication when your vehicle is moving and the detected object is moving toward your vehicle. When you stop your vehicle, the audio warnings stop after two seconds. Visual indication remains on when the transmission is in reverse (R).

When you shift into any forward gear, the system provides audio warnings and visual indication when your vehicle is moving at a speed of approximately 8 km/h (5 mph) or below and the system detects an object within the detection zone. When you stop your vehicle, the audio warnings stop after two seconds and visual indication stops after four seconds.

**Note:** *If the detected object is 30 cm (12 in) or less from your vehicle, visual indication remains on.*

When you shift into neutral (N), the system only provides visual indication if your vehicle is moving at a speed of approximately 8 km/h (5 mph) or below, for example, your vehicle is moving on a slope, and the system detects an object moving toward your vehicle. When you stop your vehicle, visual indication stops after four seconds.

Sensor coverage area is up to 70 cm (28 in) from the center of the bumper.

If the transmission is in reverse (R), the system detects objects when your vehicle is moving at low speed or an object is moving toward your vehicle, for example another vehicle at low speed. When you stop your vehicle, the audible warning turns off after two seconds.

If the transmission is in any forward gear, the system provides audible warnings when your vehicle is moving and an object is within the detection area. When you stop your vehicle, the audible warning turns off after two seconds and the visual warning turns off after four seconds.



Press the parking aid button to switch the system off.

If the system malfunctions, a message appears in the information display.

### **Object Distance Indicator (If Equipped)**

The system provides object distance indication through the information display.

# Parking Aids (If Equipped)

## Front Parking Aid Information Messages

Message	Description
Park Pilot malfunction	The system has malfunctioned. Have your vehicle checked as soon as possible.
Check Park Pilot	The system has malfunctioned. Have your vehicle checked as soon as possible.
Check front Park Pilot	The system has malfunctioned. Have your vehicle checked as soon as possible.
Front Park Pilot not available sensor blocked See Manual	A sensor is blocked or the system has malfunctioned. Clean the bumper or remove any obstruction. If the message continues to appear, have your vehicle checked as soon as possible.

## SIDE SENSING SYSTEM



**WARNING:** The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



**WARNING:** The system may not detect small or moving objects, particularly those close to the ground.



**WARNING:** To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.



**WARNING:** The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

The system uses the front and rear outermost parking aid sensors to detect objects that are near to the sides of your vehicle. The system displays them on a virtual map in the information display as your vehicle moves past them.

The sensors are on the front and rear bumpers.

**Note:** *Keep the sensors free from snow, ice and large accumulations of dirt.*

**Note:** *Do not cover up the sensors.*

**Note:** *Do not clean the sensors with sharp objects.*

**Note:** *If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.*

The system may not function if:

- You switch the ignition on, off and back on within a few seconds.
- Your vehicle remains stationary for over two minutes.
- The anti-lock brake system activates.
- The traction control system activates.

**Note:** *If you switch traction control off, the side sensing system also turns off.*

## Parking Aids (If Equipped)

**Note:** Some accessories, for example large trailer hitches or bike or surfboard racks can cause reduced performance or false alerts.

To reinitialize the system, you may have to drive your vehicle approximately 3 m (10 ft).



The sensor coverage area is up to 60 cm (24 in) from the side of your vehicle.

When the system detects an object within the coverage area and the driving path of your vehicle, an audible warning sounds.

As your vehicle moves closer to the object, the rate of the tone increases.

**Note:** The system does not detect an object that is moving toward the side of your vehicle, for example another vehicle moving at low speed, if it does not pass a front or rear sensor.

## Object Distance Indicator (If Equipped)



The system provides object distance indication through the information display.

- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If there is no object detected, the distance indicator blocks are gray.

When you shift into reverse (R), the system provides audible warnings and a visual indication when detected objects are within 60 cm (24 in) and are inside the driving path of your vehicle. When you stop your vehicle, the audible warnings turn off after two seconds.

## Parking Aids (If Equipped)

When you shift into any forward gear, the system provides audible warnings and a visual indication when your vehicle is moving at a speed of approximately 8 km/h (5 mph) or below and the system detects an object within the detection zone. When you stop your vehicle, the audible warnings turn off after two seconds and the visual indication turns off after four seconds.

When you shift into neutral (N), the system only provides a visual indication if your vehicle is moving at a speed of approximately 8 km/h (5 mph) or below. For example, your vehicle is moving on a slope, and the system detects an object moving toward your vehicle. When you stop your vehicle, the visual indication turns off after four seconds.

If the system is not available, the side distance indicator blocks do not display.

### ACTIVE PARK ASSIST

The system assists parking into and out of parking spaces. Sensors are used to detect parking spaces. The system then steers as required to maneuver into or out of a parking space. You control the accelerator, brakes and changing gears.

### Using Active Park Assist



**WARNING:** You must remain in your vehicle when the system turns on. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



**WARNING:** The sensors may not detect objects in heavy rain or other conditions that cause interference.



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



The active park assist button is located on the instrument panel.

### Driving into a Parking Space

1. Press the active park assist button.

**Note:** *The system searches for parallel parking spaces on the passenger side. Press the active park assist button again to make the system search for perpendicular spaces.*

2. Use the direction indicator lever to search for a parking space on the driver or passenger side of your vehicle.
3. Drive your vehicle approximately 1 m (3 ft) away from and parallel to the other parked vehicles when searching for a parking space.

**Note:** *A tone sounds and a message appears in the information display when active park assist finds a suitable parking space.*

4. Bring your vehicle to a complete standstill.
5. Release the steering wheel and shift into reverse (R).
6. Drive backward and your vehicle steers itself into the parking space.
7. Follow the instructions on the information display.

**Note:** *When parking is complete, a tone sounds and an information message appears.*

# Parking Aids (If Equipped)

## Leaving a Parking Space

The system assists leaving only parallel parking spaces.

1. Press the active park assist button.
2. Use the direction indicator lever to choose the direction to leave.
3. Release the steering wheel and shift into reverse (R).
4. Follow the instructions on the information display.

**Note:** After the system drives your vehicle to a position where you can exit the parking space in a forward movement, a message appears instructing you to take full control of your vehicle.

## Active Park Assist Troubleshooting

Symptom	Possible Cause
The system does not search for a parking space.	You may have switched traction control off.
	The transmission is in reverse (R). Your vehicle must be moving forward to be able to detect a parking space.
The system does not offer a parking space.	The sensors may be blocked. For example, snow, ice or large accumulations of dirt. Blocked sensors can affect how the system functions.
	The sensors in the front or rear bumper could be damaged.
	There is not enough room in the parking space for your vehicle to safely park.
	There is not enough space for the parking maneuver on the opposite side of the parking space.
	The parking space is more than 1.5 m (5 ft) or less than 0.5 m (2 ft) away.
The vehicle speed is greater than 35 km/h (22 mph) for parallel parking or greater than 30 km/h (19 mph) for perpendicular parking.	

## Canceling Active Park Assist

To cancel parking assistance at any time, press the active park assist button or turn the steering wheel.

**Note:** It also cancels when your vehicle exceeds 9 km/h (6 mph).

## Brake System Intervention

When active park assist is controlling the steering, it may under certain conditions apply the brakes to slow or stop your vehicle.

**Note:** This could cause the parking assistance to cancel.

## Parking Aids (If Equipped)

Symptom	Possible Cause
	You recently disconnected or replaced the battery. After you reconnect the battery you must drive your vehicle on a straight road for a short period of time.
The system does not correctly position your vehicle in a parking space.	An irregular curb along the parking space prevents the system from correctly aligning your vehicle.
	Vehicles or objects bordering the space may not be correctly parked.
	Your vehicle stopped too far past the parking space.
	The tires may not be correctly installed or maintained. For example, not inflated correctly, improper size, or of different sizes.
	A repair or alteration changes the detection capabilities.
	A parked vehicle has a high attachment. For example, a salt sprayer, snowplow or moving truck bed.
	The parking space length or position of parked objects changes after your vehicle passes the space.
	You are using a spare tire or a tire that is significantly worn more than the other tires.
The temperature around your vehicle quickly changes. For example, driving from a heated garage into cold outside temperature, or after leaving a car wash.	

## REAR VIEW CAMERA



**WARNING:** The rear view camera system is a reverse aid supplement device that still requires the driver to use it in conjunction with the interior and exterior mirrors for maximum coverage.



**WARNING:** Objects that are close to either corner of the bumper or under the bumper, might not be seen on the screen due to the limited coverage of the camera system.



**WARNING:** Reverse your vehicle slowly. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** To help avoid personal injury always use caution when in reverse (R) and when using the rear view camera.



**WARNING:** Do not switch the camera features on or off when your vehicle is moving.

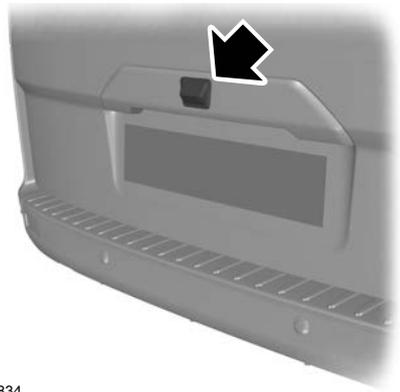
## Parking Aids (If Equipped)

The rear view camera provides an image of the area behind your vehicle. During operation, lines appear in the display that represents the path of your vehicle and proximity to objects behind it.

### Rear View Camera Positions



**WARNING:** Use caution when the rear cargo door is ajar. If the rear cargo door is ajar, the camera will be out of position and the video image may be incorrect. All guidelines disappear when the rear cargo door is ajar. Failure to follow this instruction could result in personal injury.



E142834

The camera is on the rear cargo door or liftgate.

### Using the Rear View Camera

The rear view camera system displays what is behind your vehicle when you shift the transmission into reverse (R).

**Note:** *When towing, the camera only sees what you are towing. In some vehicles, the guidelines may disappear when you connect the trailer tow connector.*

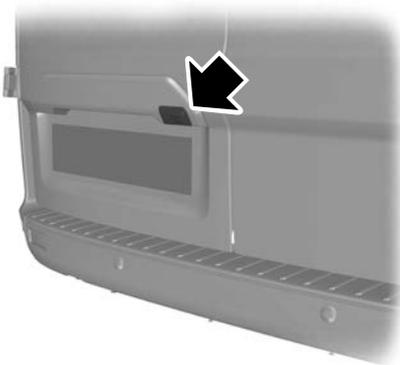
The system may not correctly operate in any of the following conditions:

- Nighttime or dark areas if the reverse lamps are not operating.
- If the camera is obstructed. Clean the lens with a soft, lint-free cloth and non-abrasive cleaner.
- The camera is misaligned due to damage to the rear of your vehicle.

### Rear View Camera Guidelines



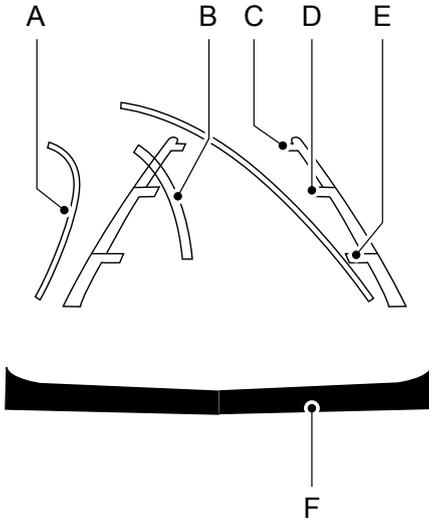
**WARNING:** Objects above the camera may not be visible. Check the area behind your vehicle when necessary.



E142833

# Parking Aids (If Equipped)

The system uses three types of guidelines to help you see what is behind your vehicle:



E142436

- A Active guidelines. Show the intended path of your vehicle when reversing.
- B Centerline. Helps you align the center of your vehicle with a trailer.
- C Fixed guidelines. Show the actual path of your vehicle when reversing in a straight line. Green zone.
- D Fixed guidelines. Show the actual path of your vehicle when reversing in a straight line. Yellow zone.

- E Fixed guidelines. Show the actual path of your vehicle when reversing in a straight line. Red zone.
- F Rear bumper.

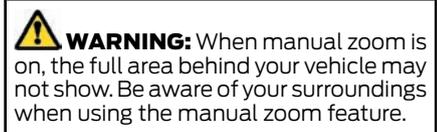
**Note:** Active guidelines are only available when the transmission is in reverse (R).

Active guidelines are only available with fixed guidelines. To use active guidelines, turn the steering wheel to point the guidelines toward an intended path. If you change the steering wheel position when reversing, your vehicle might deviate from the original intended path.

**Note:** Guidelines do not display if the rear cargo door is open.

The fixed and active guidelines fade in and out depending on the steering wheel position. When the steering wheel position is straight the active guidelines do not display. Objects in the red zone are closest to your vehicle and objects in the green zone are further from your vehicle.

## Manual Zoom



Press the zoom in or zoom out symbol to change the view.

**Note:** Manual zoom is only available when you shift into reverse (R).

**Note:** The rear bumper remains in the image as a reference point.

**Note:** Only the centerline shows when you switch on manual zoom.

# Parking Aids (If Equipped)

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## System Settings

You can adjust the camera settings using the touchscreen. See **Settings** (page 433).

### *Rear View Camera Delay*

You can switch this feature on or off using the vehicle settings menu. The default setting is off. See **Settings** (page 433).

If you switch this feature on, the image continues to display when you shift from reverse (R) until:

- The vehicle speed sufficiently increases.
- You shift your vehicle into park (P).
- You apply the parking brake on vehicles with a manual transmission.

## Enhanced Parking Aids or Park Pilot (If Equipped)

You can switch this feature on or off using the vehicle settings menu. See **Settings** (page 433).

The system shows an image of your vehicle and the sensing zones. When the reverse sensing system detects an object, the zones display red, yellow and green indicators to indicate the proximity of the object.

# Cruise Control

## PRINCIPLE OF OPERATION



**WARNING:** The system does not relieve you of your responsibility to drive with due care and attention.

Cruise control allows you to control your speed using the switches on the steering wheel. You can use cruise control when you exceed approximately 30 km/h (19 mph).

## USING CRUISE CONTROL



**WARNING:** Do not use cruise control on winding roads, in heavy traffic or when the road surface is slippery. This could result in loss of vehicle control, serious injury or death.



**WARNING:** When you are going downhill, your vehicle speed could increase above the set speed. The system does not apply the brakes.

Your vehicle speed could decrease below the set speed when driving uphill. To help the system to maintain the set speed when going uphill, downshift to a lower gear.

**Note:** *The system cancels if your vehicle speed drops below 16 km/h (10 mph) under the set speed when driving uphill.*

To help the system to maintain the set speed when going downhill, downshift to a lower gear.

The cruise controls are on the steering wheel.

## Switching the System On



Press the button.

The indicator appears when you switch the system on.

## Switching the System Off

Press and release the cruise control icon, when the system is in standby mode or switch the ignition off.

**Note:** *You erase the set speed when you switch the system off.*

## Setting the Cruise Speed

Drive to the desired speed.



Press the toggle button upward to set the current speed.



Press the toggle button downward to set the current speed.

Take your foot off the accelerator pedal.

**Note:** *The set speed appears in the information display.*

## Changing the Set Speed



Press the toggle button upward to increase the set speed.



Press the toggle button downward to decrease the set speed.

The set speed changes in small increments.

**Note:** *Press and hold the toggle button upward or downward to change the set speed in larger increments.*

**Note:** *If you accelerate by pressing the accelerator pedal, the set speed will not change. When you release the accelerator pedal, your vehicle returns to the speed that you previously set.*

# Cruise Control

## Canceling the Set Speed

CAN

Press the button, or tap the brake pedal to cancel the set speed.

**Note:** *The set speed is stored.*

## Resuming the Set Speed

RES

Press to resume the set speed.

## USING ADAPTIVE CRUISE CONTROL



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** Pay close attention to changing road conditions such as entering or leaving a highway, on roads with intersections or roundabouts, roads without visible lanes of travel, roads that are winding, slippery, unpaved, or steep slopes.



**WARNING:** The system may not detect stationary or slow moving vehicles below 10 km/h (6 mph).



**WARNING:** Do not use the system when towing a trailer that has aftermarket electronic trailer brake controls. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** The system is not a crash warning or avoidance system.



**WARNING:** The system does not detect pedestrians or objects in the road.



**WARNING:** The system does not detect oncoming vehicles in the same lane.



**WARNING:** Do not use the system in poor visibility, for example fog, heavy rain, spray or snow.



**WARNING:** Do not use tire sizes other than those recommended because this can affect the normal operation of the system. Failure to do so may result in a loss of vehicle control, which could result in serious injury.

The system adjusts the vehicle speed to maintain the set gap between you and the vehicle in front of you in the same lane. You can select four gap settings.

The system uses a radar that projects a beam directly in front of your vehicle.



E248321

The adaptive cruise controls are on the steering wheel.

# Cruise Control

## Switching Adaptive Cruise Control On



Press to set the system in standby mode.



E260516

The indicator, current gap setting and set speed appear in the information display.

## Setting the Adaptive Cruise Speed

Drive to the required speed.



Press the toggle button upward to set the current speed.

Take your foot off the accelerator pedal.

The indicator, current gap setting and set speed appear in the information display.



E249552

A vehicle graphic appears in the information display if the system detects a vehicle in front of you.

**Note:** When adaptive cruise control is active, the speedometer may vary slightly from the set speed displayed in the information display.

## Following a Vehicle



**WARNING:** When following a vehicle that is braking, your vehicle does not always decelerate quickly enough to avoid a crash without driver intervention. Apply the brakes when necessary. Failure to follow this instruction could result in personal injury or death.



**WARNING:** The system only warns of vehicles detected by the radar sensor. In some cases there may be no warning or a delayed warning. Apply the brakes when necessary. Failure to follow this instruction could result in personal injury or death.

When a vehicle ahead of you enters the same lane or a slower vehicle is ahead in the same lane, the vehicle speed adjusts to maintain a preset gap distance. A vehicle graphic appears in the information display.

**Note:** When you are following a vehicle and you switch on a direction indicator, adaptive cruise control may provide a small temporary acceleration to help you pass.

Your vehicle maintains a consistent gap from the vehicle ahead until:

- The vehicle in front of you accelerates to a speed above the set speed.
- The vehicle in front of you moves out of the lane you are in.
- You set a new gap distance.

The system applies the brakes to slow your vehicle to maintain a safe gap distance from the vehicle in front. The system only applies limited braking. You can override the system by applying the brakes.

If the system determines that its maximum braking level is not sufficient, an audible warning sounds when the system continues to brake. Take immediate action.

# Cruise Control

**Note:** The brakes may emit noise when applied by the system.

## Setting the Gap Distance



You can decrease or increase the distance between your vehicle and the vehicle in front by pressing the gap control.

**Note:** It is your responsibility to select a gap appropriate to the driving conditions.



E249552

The selected gap appears in the information display as shown by the bars in the image. You can select four gap settings.

## Adaptive Cruise Control Distance Between Vehicle Settings

Set Speed km/h (mph)	Graphic Display - Bars Indicated Between Vehicles	Time Gap - Seconds	Distance Gap m (yd)	Dynamic Beha- vior
100 (62)	1	1	28 (31)	Sport.
100 (62)	2	1.4	39 (43)	Normal.
100 (62)	3	1.8	50 (55)	Normal.
100 (62)	4	2.2	61 (67)	Comfort.

When you switch the ignition on, the system selects the last chosen gap setting.

## Overriding the System



**WARNING:** If you override the system by pressing the accelerator pedal, it does not automatically apply the brakes to maintain a gap from any vehicle ahead.

Use the accelerator pedal to intentionally exceed the set speed limit.

When you override the system, the vehicle graphic disappears from the information display.

## Changing the Set Speed

**SET+**

Press the toggle button upward to increase the set speed.

**SET-**

Press the toggle button downward to decrease the set speed.

You can adjust the set speed in small or large increments. Press the toggle button upward or downward once to adjust the set speed in small increments. Press and hold the toggle button upward or downward to adjust the set speed in large increments.

# Cruise Control

The system may apply the brakes to slow your vehicle to the new set speed. The set speed continuously displays in the information display when the system is active.

## Canceling the Set Speed

**CAN** Press the button, or tap the brake pedal.

The last set speed displays with a strikethrough and the last gap setting appears but does not erase.

**Note:** The set speed also cancels if you press the clutch pedal for an extended period.

## Resuming the Set Speed

**RES** Press the button.

The vehicle speed returns to the previously set speed and gap setting. The set speed continuously shows in the information display when the system is active.

**Note:** Only use resume if you are aware of the set speed and intend to return to it.

## Automatic Cancellation

The system does not operate if the vehicle speed is below 20 km/h (12 mph). A tone sounds and adaptive braking releases if the vehicle speed falls below 20 km/h (12 mph).

Automatic cancellation can also occur when:

- The tires lose traction.
- The engine speed is too low.
- You apply the parking brake.

**Note:** If the engine speed drops too low, the information display advises you to shift to a lower gear.

## Hilly Condition Usage

Select a lower gear when the system is active and you are driving downhill on steep grades, for example in mountainous areas. The system needs additional engine braking in these situations to reduce the load on the brake system to prevent it from overheating.

**Note:** A tone sounds and the system turns off if it applies brakes for an extended period of time. This allows the brakes to cool. The system operates after the brakes cool.

## Switching Adaptive Cruise Control Off



Press the button.

**Note:** The set speed erases when you switch the system off.

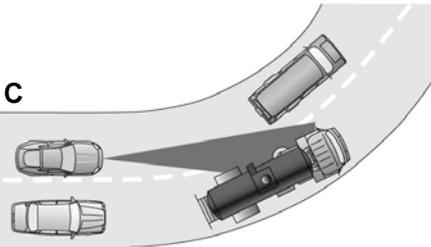
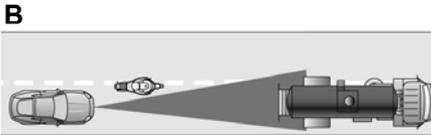
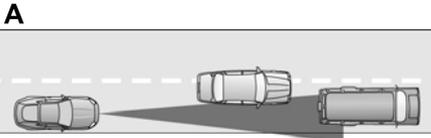
## Detection Issues

 **WARNING:** On rare occasions, detection issues can occur due to the road infrastructures, for example bridges, tunnels and safety barriers. In these cases, the system may brake late or unexpectedly. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required.

 **WARNING:** If the system malfunctions, have your vehicle checked as soon as possible.

The radar has a limited field of view. It does not detect all vehicles in all situations and could detect vehicles later than you expect. The lead vehicle graphic does not display if the system does not detect a vehicle in front of you.

# Cruise Control



Detection issues can occur:

- A When driving on a different line than the vehicle in front.
- B With vehicles that edge into your lane. The system can only detect these vehicles once they fully move into your lane.
- C There may be issues with the detection of vehicles in front when driving into and coming out of a bend or curve in the road.

In these cases, the system may brake late or unexpectedly. You should stay alert and take action when necessary.

If something hits the front of your vehicle or damage occurs, the radar-sensing zone may change. This could cause the system to malfunction. Have your vehicle checked as soon as possible.

## System Not Available

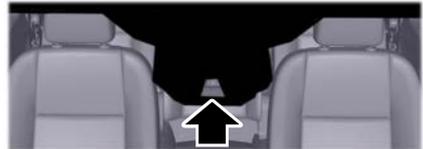
The system may not turn on if there is:

- A blocked sensor.
- High brake temperature.
- A failure in the system or a related system.

## Adaptive Cruise Control System Sensors



**WARNING:** The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction.



The camera is mounted behind the interior mirror.

# Cruise Control



E244279

The radar is behind the front grille below the license plate.

A message displays if something obstructs the radar signals from the sensor. The system cannot detect a vehicle ahead and does not function when something blocks the sensor.

**Note:** *You cannot see the sensor, it is behind a fascia panel.*

**Note:** *Keep the front of your vehicle free of dirt, metal badges or objects. Vehicle front protectors, aftermarket lights, additional paint or plastic coatings could also degrade sensor performance.*

Cause	Action
The surface of the radar in the radiator grille is dirty or obstructed.	Clean the radiator grille in front of the radar or remove any obstruction.
The surface of the radar is clean but the message remains in the display.	Wait a short period of time. It may take several minutes for the radar to detect that it is free from obstruction.
Heavy rain or snow interfere with the radar signals.	Do not use the system in these conditions because it may not detect any vehicles ahead.
Swirling water, snow or ice on the surface of the road interfere with the radar signals.	Do not use the system in these conditions because it may not detect any vehicles ahead.
You are in a desert or remote area with no other vehicles and no roadside objects.	Wait a short period of time or switch to normal cruise control.

Due to the nature of radar technology, a blocked sensor message could display when the sensor is not blocked. This can happen, for example, when driving in sparse rural or desert environments. A false blocked condition self clears or clears after you switch the ignition off and on.

## Switching to Normal Cruise Control



**WARNING:** Normal cruise control will not brake when your vehicle is approaching slower vehicles. Always be aware of which mode you have selected and apply the brakes when necessary.

# Cruise Control

You can change from adaptive cruise control to cruise control using the information display.

**To switch between adaptive cruise control and normal cruise control, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Driver assist.	Press the menu button.
Cruise control	Press the <b>OK</b> button.
Mode	Press the <b>OK</b> button. Press the toggle button upward or downward to choose your required setting. Press the <b>OK</b> button.



The cruise control indicator replaces the adaptive cruise control indicator if you select normal cruise control. The gap setting does not display, the system does not automatically respond to lead vehicles and adaptive braking does not activate. The system remembers the last setting when you start your vehicle.

## Adaptive Cruise Control Indicator



The indicator appears when you switch the system on.

The indicator appears in the information display when the system is in standby mode and when you set the adaptive cruise speed.

## Adaptive Cruise Control Information Messages

Message	Action
Adaptive cruise control not available Sensor blocked See manual	The radar has reduced visibility.
Adaptive cruise control not available	The system is not available.
Adaptive cruise control malfunction	The system has malfunctioned. Have your vehicle checked as soon as possible.
Cruise control active Adaptive braking off	You have switched normal cruise control on. Adaptive braking turns off.

# Cruise Control

## Adaptive Cruise Control With Speed Sign Recognition (If Equipped)



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

The system combines speed sign recognition with adaptive cruise control. The system allows you to set the vehicle speed to the speed limit detected by the speed sign recognition system. For example, if the speed sign recognition system detects a 80 km/h (50 mph) speed limit, the vehicle speed is set to 80 km/h (50 mph).

**To switch between the cruise control modes, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Driver assist.	Press the menu button.
Cruise control	Press the <b>OK</b> button.
Mode	Press the <b>OK</b> button. Press the toggle button upward or downward to choose your required setting. Press the <b>OK</b> button.

## Intelligent Mode



E265663

**Note:** The system does not set the vehicle speed to speed limits shown with a supplementary traffic sign in the information display.

**Note:** You can override the set speed at any time.

**Note:** The adaptive cruise control gap setting normally operates.

## Switching Between the Cruise Control Modes

You can change between the cruise control modes using the information display.

If you select this mode, a bracket appears around the set speed and the detected speed limit sign in the information display. The system is designed to set the vehicle speed to the speed limit detected by the speed sign recognition system before your vehicle passes the speed limit sign.

Under certain conditions, the system may not adjust the vehicle speed until after your vehicle passes the speed limit sign.

# Cruise Control

**Note:** The set speed adjusts when the system detects a different maximum speed limit.

If the system does not detect a speed limit, the vehicle speed remains at the current set speed.

## Automatic Cancellation

If the speed sign recognition system detects a speed limit below the minimum adaptive cruise control set speed, a tone sounds and the system returns to standby mode.

**To adjust the speed tolerance setting, use the information display controls on the steering wheel to select the following:**

Menu Item	Action
Driver assist.	Press the menu button.
Cruise control	Press the <b>OK</b> button.
Tolerance	Press the <b>OK</b> button. Press the toggle button upward or downward to choose your required speed setting. Press the <b>OK</b> button.

## Adaptive Mode

If you select this mode, adaptive cruise control operates with manual set speed input. The system does not set the vehicle speed to the speed limit detected by the speed sign recognition system.

## Normal Mode

If you select this mode, normal cruise control operates. The gap setting does not display, the system does not automatically respond to lead vehicles and adaptive braking does not activate.

## Adaptive Cruise Control With Speed Sign Recognition Information Messages

Message	Action
Adaptive cruise control Speed sign recognition not available	Navigation system based speed limit information is not available. If the message continues to appear, have your vehicle checked as soon as possible.

# Driving Aids

## SPEED LIMITER

### Principle of Operation



**WARNING:** When you are going downhill, your vehicle speed could increase above the set speed. The system does not apply the brakes.



**WARNING:** The system is designed to aid the driver. It is not intended to replace your attention and judgment. You are still responsible to drive with due care and attention.

The system allows you to set a speed to which your vehicle becomes limited. The set speed sets the effective maximum speed of your vehicle. You can temporarily exceed the set speed if required, for example to overtake.

### Using Speed Limiter

The controls are on the steering wheel.

### Switching the System On and Off

**LIM**

Press to set the system in standby mode. Press again to switch the system off.

### Setting the Speed Limiter

**SET+**

Press the toggle button upward or downward with the system in standby mode to set the speed limiter to the current vehicle

**SET-**

speed. The set speed is stored and displayed in the information

display.

You can adjust the set speed in small or large increments. Press the toggle button upward or downward once to adjust the set speed in small increments. Press and hold the toggle button upward or downward to adjust the set speed in large increments.

### Canceling the Set Speed

**CAN**

Press to cancel the set speed limiter. The system returns to standby mode.

### Resuming the Set Speed

**RES**

Press to resume the set speed limiter.

### Intentionally Exceeding the Speed Limit

Firmly press the accelerator pedal to temporarily exceed the set speed limit. The system resumes when the vehicle speed drops below the set speed limit, or when you press the **RES** button.

### System Warnings

If you intentionally exceed the set speed, a warning appears in the information display.

If you unintentionally exceed the set speed, for example when you are going downhill, a warning appears in the information display and a tone sounds.

## INTELLIGENT SPEED LIMITER

### Principle of Operation



**WARNING:** When you are going downhill, your vehicle speed could increase above the set speed. The system does not apply the brakes.

# Driving Aids



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

The system allows you to limit the vehicle speed to the maximum speed limit detected by the traffic sign recognition system. For example, if the traffic sign recognition system detects a 80 km/h (50 mph) speed limit, the vehicle speed is limited to 80 km/h (50 mph). You can temporarily exceed the set speed if required, for example to overtake.

**Note:** The system does not detect speed limits shown with a supplementary traffic sign.

## Using Intelligent Speed Limiter

The controls are on the steering wheel.

### Switching the System On and Off

**LIM**

Press to set the system in standby mode. The system prompts you to set a speed or show the detected speed limit as the set speed. Press again to switch the system off.

**Note:** The system does not limit the vehicle speed in standby mode.

### Setting the Speed Limiter

**SET+**

Press the toggle button upward or downward with the system in standby mode to set the speed limiter to the current vehicle speed. The set speed is stored and displayed in the information

**SET-**  
display.

**Note:** The set speed limiter adjusts when the system detects a different maximum speed limit.

**Note:** If the system cannot detect a maximum speed limit, the system returns to standby mode.

You can adjust the set speed in small or large increments. Press the toggle button upward or downward once to adjust the set speed in small increments. Press and hold the toggle button upward or downward to adjust the set speed in large increments.

### Canceling the Set Speed

**CAN**

Press to cancel the set speed limiter. The system returns to standby mode.

### Resuming the Set Speed

**RES**

Press to resume the set speed limiter. The system sets the speed limiter to the detected maximum speed limit at the time it resumes.

### Intentionally Exceeding the Speed Limit

Firmly press the accelerator pedal to temporarily exceed the set speed limit. The system resumes when the vehicle speed drops below the set speed limit, or when you press the **RES** button.

### System Warnings

A warning appears in the information display if any of the following occur:

- The vehicle speed exceeds the current set speed.
- The system detects a maximum speed limit that is lower than the current vehicle speed.

# Driving Aids

- You intentionally exceed the set speed.
- You unintentionally exceed the set speed, for example when you are going downhill. A tone also sounds.

**Note:** A tone sounds if you continue to exceed the set speed.

**Note:** If the traffic sign recognition system detects a speed limit outside the operational speed range, a tone sounds and the system returns to standby mode.

## Adjusting the Speed Limit Tolerance

You can set a permanent speed tolerance that is in addition to the detected speed limit through the tolerance menu in the information display.

1. Using the information display controls on the steering wheel, select **Driver assist**.
2. Select **Speed limiter**.
3. Select **Intelligent**.
4. Select **Tolerance**.
5. Select a setting and press the **OK** button.

## Switching from Intelligent Speed Limiter to Speed Limiter

1. Using the information display controls on the steering wheel, select **Driver assist**.
2. Select **Speed limiter**.
3. Switch **Intelligent** off.

## DRIVER ALERT



**WARNING:** The system is designed to aid the driver. It is not intended to replace your attention and judgment. You are still responsible to drive with due care and attention.



**WARNING:** At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



**WARNING:** The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction.



**WARNING:** Take regular rest breaks if you feel tired. Do not wait for the system to warn you.



**WARNING:** Certain driving styles may result in the system warning you even if you are not feeling tired.



**WARNING:** In cold and severe weather conditions the system may not function. Rain, snow and spray can all limit sensor performance.



**WARNING:** The system will not operate if the sensor cannot track the road lane markings.



**WARNING:** If damage occurs in the immediate area surrounding the sensor, have your vehicle checked as soon as possible.



**WARNING:** The system may not correctly operate if your vehicle is fitted with a suspension kit not approved by us.

# Driving Aids

The system is designed to alert you if it detects that you are becoming drowsy or if your driving deteriorates. The system calculates your alertness level based upon your driving behavior in relation to the lane markings and other factors when the vehicle speed is greater than approximately 65 km/h (40 mph).

You can switch the system on or off using the information display. See **General Information** (page 88).

**Note:** *The system remains on or off depending on how it was last set.*

## System Warnings

The warning system has two stages:

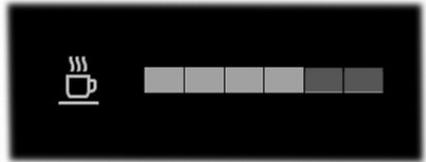
1. A temporary warning is issued to advise you to take a rest. This message only appears for a short time.
2. If you do not rest and the system continues to detect that your driving deteriorates, it issues a further warning. This remains in the information display until you cancel it. See **Information Messages** (page 93).

**Note:** *The system does not warn you if the vehicle speed falls below approximately 65 km/h (40 mph).*

## System Display

Your calculated alertness level is shown by six steps as a colored bar. The bar travels from right to left as your calculated alertness level decreases.

You can view the status at any time using the information display. See **General Information** (page 88).



E249476

Your calculated alertness level is good.



E249477

Your calculated alertness level is low. You should stop your vehicle and take a rest as soon as it is safe to do so.

Your calculated alertness level shows in gray if:

- The sensor cannot track the road lane markings.
- The vehicle speed falls below approximately 65 km/h (40 mph).

## Resetting the System

You can reset the system by:

- Switching the ignition off and on when your vehicle is stationary.
- Opening and closing the driver door when your vehicle is stationary.

# Driving Aids

## LANE KEEPING SYSTEM



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** The system may not function if the sensor is blocked.



**WARNING:** The sensor may incorrectly track lane markings as other structures or objects. This can result in a false or missed warning.



**WARNING:** In cold and severe weather conditions the system may not function. Rain, snow and spray can all limit sensor performance.



**WARNING:** Large contrasts in outside lighting can limit sensor performance.



**WARNING:** The system will not operate if the sensor cannot track the road lane markings.



**WARNING:** If damage occurs in the immediate area surrounding the sensor, have your vehicle checked as soon as possible.



**WARNING:** The system may not correctly operate if your vehicle is fitted with a suspension kit not approved by us.

The system is designed to alert you by providing temporary steering assistance or steering wheel vibration when it detects an unintended lane departure. The system detects and tracks the road lane markings using a camera mounted behind the interior mirror. The system only operates when the vehicle speed is greater than approximately 60 km/h (37 mph). You can view the system status in the information display.

**Note:** *The system works when the camera can detect at least one lane marking or the edge of the road.*

The system may not correctly operate in any of the following conditions:

- The system does not detect at least one lane marking or the edge of the road.
- You switch the direction indicator on.
- You apply direct steering, accelerate fast or brake hard.
- The vehicle speed is less than 60 km/h (37 mph).
- The anti-lock brake, stability control or traction control system activates.
- Narrow lane width.

The system may not correct lane positioning in any of the following conditions:

- High winds.
- Uneven road surfaces.
- Heavy or uneven loads.
- Incorrect tire pressure.

# Driving Aids

## Switching Lane Keeping System On or Off



E132099

Press the button on the direction indicator stalk.

**Note:** A warning indicator may remain illuminated in the information display when you switch the system off.

**Note:** The system may turn on when you start your vehicle.

## Lane Keeping System Settings

The system has different settings that you can view or adjust using the information display.

**Note:** The system remembers the last setting when you start your vehicle. If the system detects a MyKey, the mode is set to alert.

### Alert Mode

Provides steering wheel vibration when the system detects an unintended lane departure.

### Adjusting the Steering Wheel Vibration Intensity

1. Using the information display controls on the steering wheel, select **Driver assist..**
2. Select **Lane keeping system.**
3. Select **Intensity.**
4. Select a setting and press the **OK** button.

**Note:** This setting does not affect aid mode.

**Note:** The system remembers the last setting when you start your vehicle.

### Adjusting the Lane Keeping System Sensitivity

1. Using the information display controls on the steering wheel, select **Driver assist..**
2. Select **Lane keeping system.**
3. Select **Sensitivity.**
4. Select a setting and press the **OK** button.

### Aid Mode

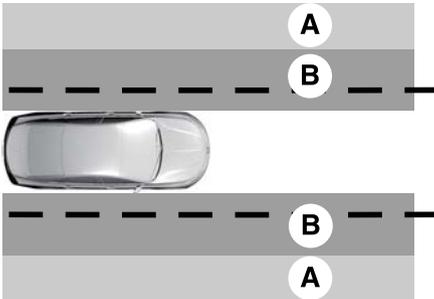
Provides temporary steering assistance toward the lane center when the system detects an unintended lane departure.

**Note:** When aid mode is on and the system does not detect any steering activity for a short period of time, for example lightly holding the steering wheel, the system alerts you to put your hands on the steering wheel.

### Alert and Aid Mode

Provides temporary steering assistance toward the lane center when the system detects an unintended lane departure. If your vehicle continues drifting out of the lane, the steering wheel vibrates.

# Driving Aids



A Alert mode.

B Aid mode.

**Note:** The diagram illustrates general zone coverage. It does not provide exact zone parameters.

## Switching the Lane Keeping System Mode

1. Using the information display controls on the steering wheel, select **Driver assist..**
2. Select **Lane keeping system.**
3. Select **Mode.**
4. Select a setting and press the **OK** button.

## Lane Keeping System Display



When the system is on, a graphic of lane markings appears in the information display.

## Lane Keeping System Warning Lamps and Indicators

### Lane Keeping Alert Indicators



It illuminates in the information display when you switch the system on and Aid Mode or Alert and Aid Mode are selected.



It illuminates in the information display when you switch the system on and Alert Mode is selected.

### Lane Keeping Aid Warning Lamp



It could illuminate when you switch the system off. If it illuminates when you are driving, this indicates a malfunction. Have your vehicle checked as soon as possible.

## Black and White Information Display

Indicator	System Status
Gray.	Unavailable.
White.	Available.
White and inverted.	Temporary steering assistance.
White and flashing.	Temporary steering assistance and steering wheel vibration.

# Driving Aids

## Color Information Display

Indicator	System Status
Gray.	Unavailable.
Green.	Available.
Amber.	Temporary steering assistance.
Red.	Temporary steering assistance and steering wheel vibration.

## Lane Keeping System Messages

Message	Action
Lane keeping system malfunction Service required	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

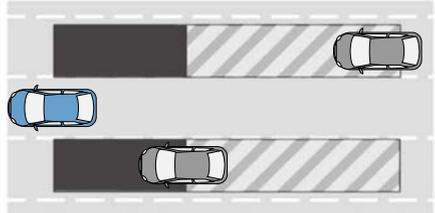
## BLIND SPOT INFORMATION SYSTEM



**WARNING:** Do not use the blind spot information system as a replacement for using the interior and exterior mirrors or looking over your shoulder before changing lanes. The blind spot information system is not a replacement for careful driving.



**WARNING:** The system may not operate properly during severe weather conditions, for example snow, ice, heavy rain and spray. Always drive with due care and attention. Failure to take care may result in a crash.



The system is designed to detect vehicles that may have entered the blind spot zone. The detection area is on both sides of your vehicle, extending rearward from the exterior mirrors to approximately 4 m (13 ft) beyond the rear bumper. The detection area extends to approximately 18 m (59 ft) beyond the rear bumper when the vehicle speed is greater than 48 km/h (30 mph) to alert you of faster approaching vehicles.

# Driving Aids

**Note:** The system does not prevent contact with other vehicles. It is not designed to detect parked vehicles, pedestrians, animals or other infrastructures.

## Using the Blind Spot Information System

### Vehicles with Automatic Transmission

The system turns on when all of the following occur:

- You start your vehicle.
- You shift into drive (D).
- The vehicle speed is greater than 10 km/h (6 mph).

**Note:** The system does not operate in park (P) or reverse (R).

### Vehicles with Manual Transmission

The system turns on when all of the following occur:

- You start your vehicle.
- The vehicle speed is greater than 10 km/h (6 mph).

**Note:** The system does not operate in reverse (R).

## Blind Spot Information System Sensors



The sensors are behind the rear bumper on both sides of your vehicle.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt.

**Note:** Do not cover the sensors with bumper stickers, repair compound or other objects.

**Note:** Blocked sensors could affect system performance.

If the sensors are blocked, a message may appear in the information display. The indicators remain illuminated in the exterior mirror but the system does not alert you.

## Switching the Blind Spot Information System On and Off

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Driver assistance**.
3. Select **BLIS**.
4. Switch **BLIS** on or off.

When you switch the system off, a warning lamp illuminates in the instrument cluster and the alert indicators flash twice.

The system remembers the last setting when you start your vehicle.

**Note:** The system may not correctly operate when towing a trailer. The system turns off when you attach a trailer, if your vehicle has an approved trailer tow module and tow bar. For vehicles with an aftermarket trailer tow module or tow bar, turn the system off when you attach a trailer.

To permanently switch the system off, contact an authorized dealer.

## Blind Spot Information System Indicator

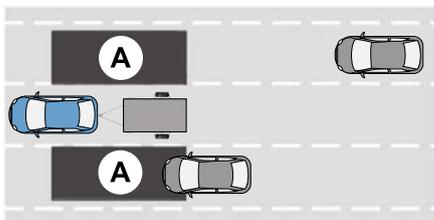


When the system detects a vehicle, an alert indicator illuminates in the exterior mirror on the side the approaching vehicle is coming from. If you turn the direction indicator on for that side of your vehicle, the alert indicator flashes.

**Note:** The system may not alert you if a vehicle quickly passes through the detection zone.

# Driving Aids

## Blind Spot Information System with Trailer Tow



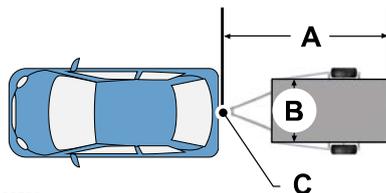
E293525

The blind spot information system with trailer tow is designed to detect vehicles that may have entered the blind spot zone. The detection area is on both sides of your vehicle and trailer, extending rearward from the exterior mirrors to the end of your trailer. When you attach a trailer and have set up a trailer, the blind spot information system with trailer tow becomes active when driving forward above 10 km/h (6 mph).

You can set up the trailer length, select a trailer or switch blind spot information system with trailer tow off.

**Note:** *The system remembers the last trailer setting when you start your vehicle.*

## Setting up the Trailer Length



E293526

- A Trailer length.
- B Trailer width.
- C Trailer hitch.

The system operates only if the trailer front width is less than 2.4 m (7.9 ft), and the total length from the trailer hitch to the rear of the trailer is less than 10 m (33 ft).

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Driver assistance**.
3. Select **BLIS**.
4. Select **Trailer lengths**.
5. Select **Trailer A**, **Trailer B** or **Trailer C**.
6. Select the trailer length at the closest available value.

**Note:** *Proper measurement and measurement entry are required for the system to function as designed.*

7. Press the **OK** button.

**Note:** *If you attach load carriers such as bike racks or cargo racks with electrical lighting, enter a length of 1 m (3 ft). Cross Traffic Alert remains on.*

# Driving Aids

## Selecting a Trailer

If you select a trailer in the information display prior to connecting a trailer, the system loads that configuration and an information message appears in the information display when you connect the trailer.

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Driver assistance**.
3. Select **BLIS**.
4. Select **Trailer**.
5. Select **Trailer A**, **Trailer B** or **Trailer C**.
6. Press the **OK** button.

## Switching the Blind Spot Information System with Trailer Tow Off

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Driver assistance**.
3. Select **BLIS**.
4. Select **Trailer**.
5. Select **None**.
6. Press the **OK** button.

When you switch the system off, a warning lamp illuminates and the alert indicators flash twice.

**Note:** *The system turns off and a message appears when a trailer is connected, but not set up or selected.*

## Blind Spot Information System Limitations

Some trailers may cause a slight change in system performance:

- Wide box trailers, especially those wider than the towing vehicle, may cause false alerts to occur when driving next to infrastructure or near parked cars. A false alert may also occur while making a 90-degree turn or driving through a roundabout.
- Wide trailers that have a total length greater than 6 m (20 ft) may cause delayed alerts when a vehicle is passing at high speed.
- Box trailers that have a width greater than 2.4 m (7.9 ft) may cause early alerts when you pass a vehicle.
- Clam shell or V-Nose box trailers with a width greater than 2.4 m (7.9 ft) may cause delayed alerts when a vehicle traveling the same speed as your vehicle merges lanes.

## Blind Spot Information System Warning Lamp



It illuminates in the instrument cluster if you switch the system off.

If it illuminates when the system is on this indicates a malfunction. Have your vehicle checked as soon as possible.

# Driving Aids

## Blind Spot Information System Information Messages

Message	Description
Trailer BLIS Add trailer Exit Press OK to select	Displays if the new trailer is attached but not selected. Select a trailer.
BLIS not available Sensor blocked See manual	Displays if the blind spot information system sensors are blocked.
BLIS and cross traffic alert deactivated Trailer attached	Displays if you attach a trailer to your vehicle.
BLIS malfunction	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.

## CROSS TRAFFIC ALERT



**WARNING:** Do not use the cross traffic alert system as a replacement for using the interior and exterior mirrors or looking over your shoulder before reversing out of a parking space. The cross traffic alert system is not a replacement for careful driving.



**WARNING:** The system may not operate properly during severe weather conditions, for example snow, ice, heavy rain and spray. Always drive with due care and attention. Failure to take care may result in a crash.

The system is designed to alert you of vehicles approaching from the sides behind your vehicle when you shift into reverse (R).

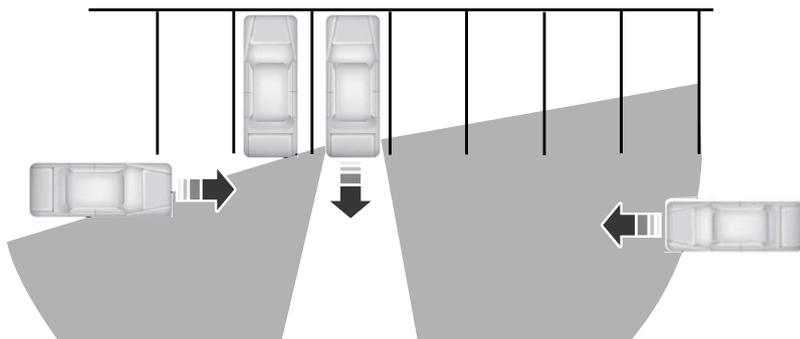
### Using Cross Traffic Alert

The system is designed to detect vehicles that approach at a speed between 6 km/h (4 mph) and 60 km/h (37 mph). Coverage decreases when the sensors are partially, mostly or fully obstructed. Slowly reversing helps increase the coverage area and effectiveness.

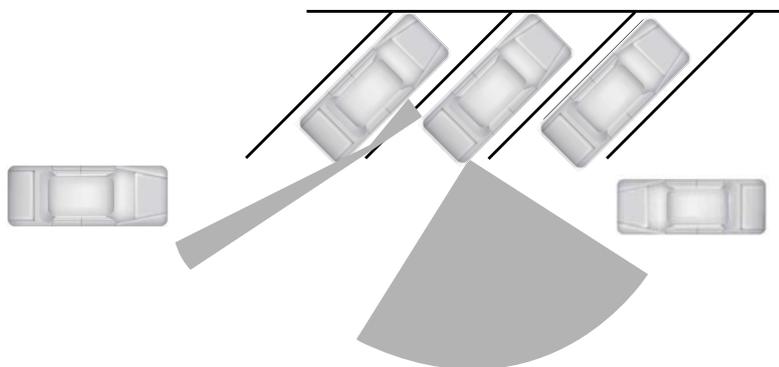
The system turns on when you start the engine and you shift into reverse (R). The system turns off when you shift out of reverse (R).

# Driving Aids

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The sensor on the left-hand side is only partially obstructed and zone coverage on the right-hand side is maximized.



# Driving Aids

Zone coverage also decreases when parking at narrow angles. The sensor on the left-hand side is mostly obstructed and zone coverage on that side is severely reduced.

## Cross Traffic Alert System Sensors



The sensors are behind the rear bumper on both sides of your vehicle.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt.

**Note:** Do not cover the sensors with bumper stickers, repair compound or other objects.

**Note:** Blocked sensors could affect system performance.

If the sensors are blocked, a message may appear in the information display when you shift into reverse (R).

## Cross Traffic Alert System Limitations

The system may not correctly operate when any of the following occur:

- The sensors are blocked.
- Adjacently parked vehicles or objects are obstructing the sensors.
- Vehicles approach at speeds less than 6 km/h (4 mph) or greater than 60 km/h (37 mph).
- The vehicle speed is greater than 12 km/h (7 mph).
- You reverse out of an angled parking space.

## Cross Traffic Alert behavior when trailer is attached

**Note:** The system may not correctly operate when towing a trailer. For vehicles with an approved trailer tow module and tow bar, the system turns off when you attach a trailer. For vehicles with an aftermarket trailer tow module or tow bar, we recommend that you switch the system off when you attach a trailer.

Cross traffic alert remains on when you attach a trailer in vehicles equipped with a Blind Spot Information System with Trailer Tow under the following conditions:

- You connect a trailer.
- The trailer is a bike rack or cargo rack with a maximum length of 1 m (3 ft).
- You set the trailer length to 1 m (3 ft) in the information display.

See **Blind Spot Information System** (page 222).

## Switching the System On and Off

To switch cross traffic alert on or off, use the Information display. See **General Information** (page 88).

**Note:** The system turns on every time you switch the ignition on. To permanently switch the system off, contact an authorized dealer.

## Cross Traffic Alert Indicator



When the system detects an approaching vehicle a tone sounds, a warning lamp illuminates in the relevant exterior mirror and arrows appear in the information display to show which side the approaching vehicle is coming from.

**Note:** If arrows do not display, a message appears in the information display.

# Driving Aids

If the system malfunctions, a warning lamp illuminates in the instrument cluster and a message appears in the information display. Have your vehicle checked as soon as possible.

**Note:** *In exceptional conditions, the system could alert you, even when there is nothing in the detection zone, for example a vehicle passing further away from your vehicle.*

## Cross Traffic Alert Information Messages

Message	Action
Cross traffic alert	Displays instead of indication arrows when the system detects a vehicle. Check for approaching traffic.
Cross traffic not available Sensor blocked See manual	Displays if the cross traffic alert system sensors are blocked. Clean the sensors. If the message continues to appear, have your vehicle checked as soon as possible.
Cross traffic malfunction	The system has malfunctioned. Have your vehicle checked as soon as possible.
Cross traffic alert deactivated Trailer attached	Displays if you attach a trailer to your vehicle.

## TRAFFIC SIGN RECOGNITION

### Principle of Operation



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** The system may not function if the sensor is blocked.

**Note:** *In cold and severe weather conditions the system may not function. Rain, snow, spray and large contrasts in lighting can all prevent the sensor from functioning correctly.*

**Note:** *Do not carry out windshield repairs in the immediate area surrounding the sensor.*

**Note:** *If your vehicle has a suspension kit not approved by us, the system may not correctly function.*

**Note:** *Always replace headlamp bulbs with those specifically designed for your vehicle. Other bulbs may reduce system performance.*

**Note:** *The system may not detect all traffic signs and may incorrectly read signs.*

**Note:** *Keep the windshield free from obstructions for example bird droppings, insects and snow or ice.*

**Note:** *The system is designed to detect traffic signs meeting the Vienna convention.*

**Note:** *Traffic sign data provided by the navigation system contains information integrated to the data carrier release.*

# Driving Aids

The sensor is behind the interior rear view mirror. It continuously monitors road signs to inform you of the current maximum speed limit and overtaking regulations.

The system detects recognizable traffic signs, for example:

- Speed limit signs.
- No overtaking signs.
- Speed limit cancellation signs.
- No overtaking cancellation signs.

## Using Traffic Sign Recognition

### Setting the System Speed Warning

The system has a number of speed warning levels that you can set using the information display. See **General Information** (page 88).

### System Display



The system can display two traffic signs in parallel.

You can view the status at any time using the information display.

The system displays recognizable traffic signs in four stages as follows:

1. All new traffic signs appear brighter than the others in the display.
2. After a predetermined time they display normally.

3. After a predetermined distance they are greyed out.
4. After another predetermined distance they are deleted.

If the system detects a supplementary traffic sign, it displays below the respective traffic sign. For example, when passing a reduced speed limit in wet road conditions sign.

If your vehicle has a navigation system, stored traffic sign data may influence the indicated speed limit value.

### Switching Speed Warning On and Off

You can switch the speed warning on and off using the information display. See **General Information** (page 88).

**Note:** *The system remembers the last setting when you start your vehicle.*

## WRONG WAY ALERT

 **WARNING:** The system is designed to aid the driver. It is not intended to replace your attention and judgment. You are still responsible to drive with due care and attention.

 **WARNING:** At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 **WARNING:** The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction.

# Driving Aids

The system is designed to alert you if it detects that you are driving the wrong way on a freeway exit road. The system uses a sensor behind the interior mirror to detect no entry signs and uses information from the navigation system.

**Note:** Do not carry out windshield repairs in the immediate area surrounding the sensor.

**Note:** Traffic sign data provided by the navigation system contains information integrated to the data carrier release.

**Note:** The system is designed to detect traffic signs meeting the Vienna convention.

**Note:** The system may not detect all traffic signs and may incorrectly read signs.

**Note:** If your vehicle has a suspension kit not approved by us, the system may not correctly function.

**Note:** Always fit Ford original parts when replacing headlamp bulbs. Other bulbs may reduce system performance.

**Note:** The system does not operate in some countries. We recommend that you check system availability before use.

If the system detects that you are driving the wrong way on a freeway exit road, a message appears in the information display and a tone sounds. The audio system volume mutes and navigation system guidance pauses.

**Note:** In cold and severe weather conditions the system may not function. Rain, snow, spray and large contrasts in lighting can all prevent the sensor from functioning correctly.

**Note:** The system may not correctly operate in areas under construction or new infrastructure.

**Note:** In exceptional conditions, the system could alert you even if you are not driving the wrong way on a freeway exit road.

## Switching Wrong Way Alert On or Off

To switch wrong way alert on or off, use the information display controls on the steering wheel to select the following:

Menu Item	Action
Driver assist.	Press the menu button.
Wrong way alert	Press the <b>OK</b> button.

**Note:** The system remembers the last setting when you start your vehicle.

## Wrong Way Alert Information Messages

Message	Action
Check driving direction	The system has detected that you are driving the wrong way on a freeway exit road. Press the <b>OK</b> button.

# Driving Aids

## ECO

### Eco Mode

#### How Does Eco Mode Work

The system is designed to monitor certain driving characteristics to help you drive more efficiently. See **Driving Economically** (page 254).

**Note:** *The efficiency levels do not result in a defined fuel consumption figure. See **Fuel Consumption** (page 161).*

**Note:** *The system only indicates the efficiency level for the current trip. The system resets each time you switch the ignition on.*

#### Instantaneous Efficiency Level

The display ring increases as the instantaneous efficiency level increases and illuminates when it reaches maximum efficiency. The level continuously updates to indicate the efficiency level for the current trip.

#### Viewing the Instantaneous Efficiency Level

1. Using the information display controls on the steering wheel, select **MyView**.
2. Select **Eco coach**.

#### Trip Summary

The calculated trip summary is shown as four colored bars. The bars travel from left to right as the calculated efficiency levels increase. The bars indicate the average efficiency level for acceleration, deceleration, speed and gear shifting during the total distance traveled by your vehicle for the current trip.

**Note:** *Vehicles with an automatic transmission do not have a bar for gear shifting.*

#### Viewing the Trip Summary

1. Using the information display controls on the steering wheel, select **MyView**.
2. Select **Eco coach**.

### Efficient Drive Mode

#### What Is Efficient Drive Mode

Efficient drive mode is a predictive coach that provides near real-time traffic information to help you drive more efficiently by releasing the accelerator pedal.

#### Switching Efficient Drive Mode On and Off

1. Using the information display controls on the steering wheel, select **Driver assist**.
2. Select **Eco coach**.
3. Switch **Eco advice** on and off.

#### Displaying the Efficient Drive Mode

1. Using the information display controls on the steering wheel, select **Driver assist**.

The display ring can provide information about speed limit, freeway ramp, slope, curve, crosswalk, etc.

#### Efficient Drive Mode Indicator



It indicates that you have to slowly decelerate.

# Driving Aids

## Trip Summary

The calculated trip summary is shown as five colored bars. The bars travel from left to right as the calculated efficiency levels increase. The bars indicate the average efficiency level for acceleration, deceleration, speed, gear shifting and compliance score during the total distance traveled by your vehicle for both last and current trips.

**Note:** *Vehicles with an automatic transmission do not have a bar for gear shifting.*

### Viewing the trip summary

1. Using the information display controls on the steering wheel, select **MyView**.
2. Select **Eco coach**.
3. Switch the engine off.
4. Press the **OK** button.

## PRE-COLLISION ASSIST



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** The system does not operate during hard acceleration or steering. Failure to take care may lead to a crash or personal injury.



**WARNING:** The system may fail or operate with reduced function during cold and severe weather conditions. Snow, ice, rain, spray and fog can adversely affect the system. Keep the front camera and radar free of snow and ice. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



**WARNING:** The system may not operate properly if your vehicle has a non-Ford windshield. Do not carry out windshield repairs in the area around the sensor.



**WARNING:** Some situations and objects prevent hazard detection. For example low or direct sunlight, inclement weather, unconventional vehicle types, and pedestrians. Apply the brakes when necessary. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** The Pre-Collision Assist system with brake support cannot help prevent all collisions. Do not rely on this system to replace your judgment and the need to maintain correct distance and speed.

The pre-collision assist system is active when your vehicle reaches a speed greater than approximately 10 km/h (6 mph). Pedestrian detection is active at speeds up to 80 km/h (50 mph).

**Note:** *The system is not designed to detect animals.*

**Note:** *The system is not designed to detect vehicles or cyclists that are traveling in a different direction.*

# Driving Aids



If your vehicle is rapidly approaching another stationary vehicle, a vehicle or cyclist traveling in the same direction as yours, or a pedestrian within your driving path, the system is designed to provide three levels of functionality.

Level of Functionality	Description
Alert	When activated, a warning lamp flashes and an audible warning sounds.
Brake support	The system is designed to help reduce the impact speed by preparing the brakes for rapid braking. The system does not automatically apply the brakes. If you press the brake pedal, the system could apply additional braking up to maximum braking force, even if you lightly press the brake pedal.
Active braking	The system is designed to apply the brakes if it detects a crash is imminent. This may help reduce impact or avoid the crash.

## Switching Active Braking On and Off

1. Using the information display controls on the steering wheel, select **Driver assist**.
2. Select **Pre-collision Assist**.
3. Switch **Active braking** on or off.

## Distance Alert (If Equipped)

A warning lamp illuminates if the distance to the vehicle ahead is small.

**Note:** The warning lamp does not illuminate if cruise control or adaptive cruise control is active.

## Adjusting the Sensitivity of Distance Alert

1. Using the information display controls on the steering wheel, select **Driver assist**.
2. Select **Pre-collision Assist**.
3. Select **Alert sensitivity**.
4. Select a setting and press the **OK** button.

## Distance Indication (If Equipped)

A graphical indication displays the time gap to vehicles ahead of you traveling in the same direction.

**Note:** The graphic does not display if you switch on cruise control or adaptive cruise control.

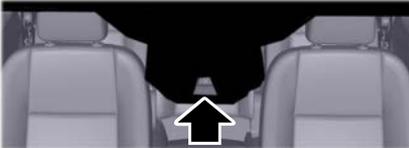
# Driving Aids

Vehicle Speed	System Sensitivity	Distance Indicator Color	Distance Gap	Time Gap
100 km/h (62 mph)	Normal.	Gray.	Greater than 25 m (82.0 ft) .	Greater than 0.9 seconds.
		Yellow.	17–25 m (55.8–82.0 ft)	0.6-0.9 seconds.
		Red.	Less than 17 m (55.8 ft).	Less than 0.6 seconds.

## Switching Distance Indication On and Off

1. Using the information display controls on the steering wheel, select **Driver assist.**
2. Select **Pre-collision Assist.**
3. Switch **Distance indication** on or off.

## Pre-Collision Assist System Sensors



The camera is mounted behind the interior mirror.



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The radar sensor is behind the front grille below the license plate.

**Note:** Keep the sensors free from snow, ice and large accumulations of dirt.

**Note:** Do not clean the sensors with sharp objects.

**Note:** If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.

Blocked sensors could affect system accuracy. A message may appear in the information display.

## Pre-Collision Assist Warning Lamp



It illuminates if your vehicle rapidly approaches another vehicle, to warn you of the risk of a crash with the vehicle in front of you.

## Driving Aids

It could illuminate red if the distance to the vehicle ahead is small.

It illuminates amber when you switch the system off or if the system is not available.

### Pre-Collision Assist Information Messages

Message	Action
Pre-collision assist not available	The system has malfunctioned. Have your vehicle checked as soon as possible.
Pre-collision assist not available Sensor blocked	The sensors are dirty. Clean the sensors. If the message continues to appear, have your vehicle checked as soon as possible.

**The following table lists possible causes and actions for when a blocked sensor message may display.**

Cause	Action
The surface of the radar in the radiator grille is dirty or obstructed.	Clean the radiator grille in front of the radar or remove any obstruction.
The surface of the radar is clean but the message remains in the display.	Wait for a short period of time. It may take several minutes for the system to detect that there is no obstruction.
Heavy rain, spray, snow, or fog is interfering with the radar signals.	The system is temporarily disabled. The system should reactivate after a short period of time when the weather conditions improve.
The radar is misaligned.	Have your vehicle checked as soon as possible.
The windshield in front of the camera is dirty or obstructed.	Clean the outside of the windshield in front of the camera.
The windshield in front of the camera is clean but the message remains in the display.	Wait for a short period of time. It may take several minutes for the camera to detect that there is no obstruction.
Excessive heat around the camera.	Wait for a short period of time. The message should clear when the temperature around the camera decreases.

# Driving Aids

## DRIVE CONTROL - DIESEL

### Selectable Drive Modes

Your vehicle has various drive modes that you can select for different driving conditions. Depending on the drive mode that you select, the system adjusts various vehicle settings, for example steering, gear shifting, handling and powertrain response.

#### Selecting a Drive Mode

The button is on the instrument panel.



Repeatedly press the button to scroll through the available drive modes. Release the button to confirm your selected drive mode.

#### Normal



Vehicle settings suited for balanced driving.

**Note:** *This is the default mode each time you switch the ignition on.*

#### Eco



Vehicle settings suited for economical driving.

### Selectable Drive Modes Information Messages

Message	Action
Drive mode not available	The system is not available. If it is still not available the next time you switch the ignition on, the system has detected a fault that requires service. Have your vehicle checked as soon as possible.

## SELF-LEVELING SUSPENSION

### Air Suspension (If Equipped)

Air suspension is designed to maintain a constant suspension height for all loading conditions. The air springs will be pumped up if your vehicle is sitting low or lowered if your vehicle is sitting high. The system begins running after the engine has started and stays active for up to approximately 45 minutes after the engine has been shut down.

The air suspension system can be turned on or off through the instrument cluster. See **General Information** (page 88).

**Note:** *The system should be turned off before any service is performed in order to prevent adjustments during service.*

If the system is off and the vehicle is driven above a set speed, the system will turn itself back on. If there is a fault in the system, a message may appear in the instrument cluster. If this message persists, have your vehicle inspected by an authorized dealer.

# Local Hazard Information

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## WHAT IS LOCAL HAZARD INFORMATION

The system is designed to provide near real-time information about the road in front of you.

2. Select **Information**.
3. Select **Local hazard information**.

## LOCAL HAZARD INFORMATION PRECAUTIONS



**WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

## ENABLING LOCAL HAZARD INFORMATION

**Note:** Make sure that the modem is enabled. See **Enabling and Disabling the Modem** (page 395).

1. Select **Settings**.
2. Select **FordPass Connect**.
3. Select **Connectivity settings**.
4. Switch **Vehicle connectivity** on.
5. Switch **Location** on.
6. Switch **Vehicle data & Remote ctrl** on.
7. Switch **Live Traffic** on.
8. Switch **Local hazard information** on.

## CHECKING LOCAL HAZARD INFORMATION STATUS

1. Using the information display controls on the steering wheel, select **Settings**.

# Load Carrying

## GENERAL INFORMATION



**WARNING:** Make sure that you properly secure objects in the luggage compartment. Failure to follow this instruction could result in personal injury in the event of a sudden stop or crash.



**WARNING:** Do not place objects on the luggage cover. Failure to follow this instruction could result in personal injury or death in the event of a sudden stop or crash.



**WARNING:** The appropriate loading capacity of your vehicle can be limited either by volume capacity (how much space is available) or by payload capacity (how much weight the vehicle should carry). Once you have reached

the maximum payload of your vehicle, do not add more cargo, even if there is space available. Overloading or improperly loading your vehicle can contribute to loss of vehicle control and vehicle rollover.



**WARNING:** Make sure that you fully close the liftgate to prevent exhaust fumes from entering your vehicle. If you are unable to fully close the liftgate, open the air vents or the windows to allow fresh air to enter your vehicle. Failure to follow this instruction could result in personal injury or death.



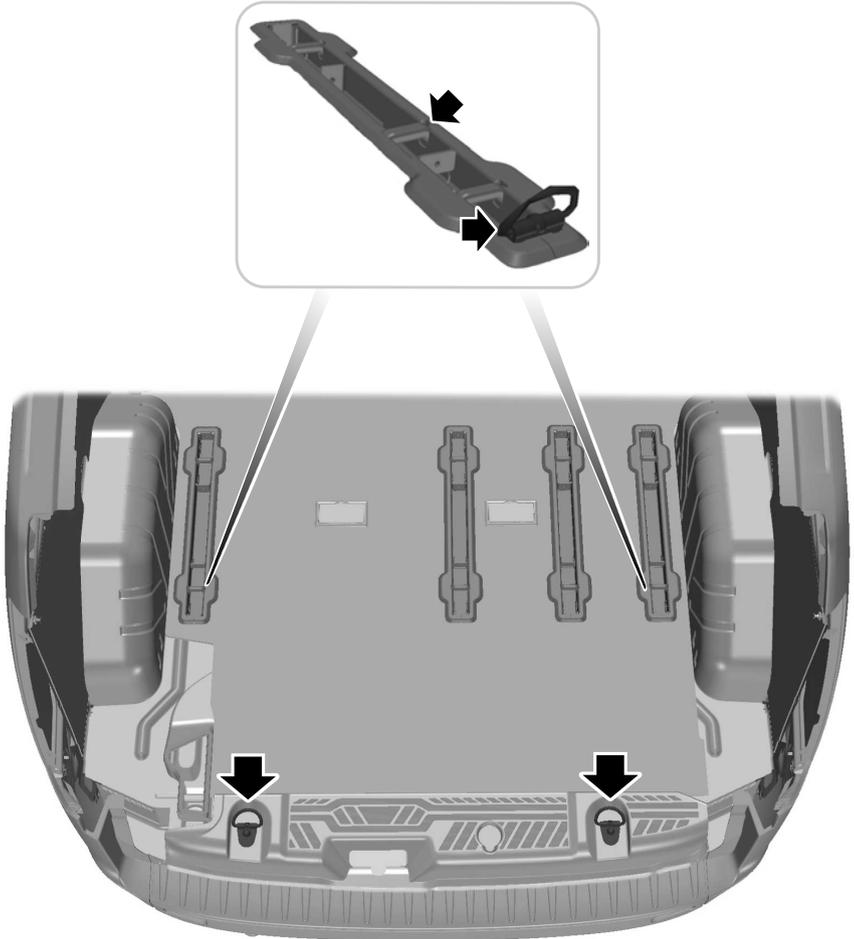
**WARNING:** Do not exceed the maximum front and rear axle loads for your vehicle.

**Note:** *When loading long objects into your vehicle, for example pipes, timber or furniture be careful not to damage the interior trim.*

# Load Carrying

## LUGGAGE ANCHOR POINTS - BUS

### Securing Luggage



E146220

# Load Carrying

See the following table for luggage anchor point maximum load values.

**Note:** *The type and number of luggage anchor points may vary depending on your vehicle model.*

**Note:** *The maximum load value is applicable to rear and seat track luggage anchor points.*

Variant	Rear Anchor Point Type	Maximum Load Value
All.	Black.	5,000 N (1,125 lb)
	Chrome.	3,500 N (785 lb)

## REAR LOADSPACE HATCHES

You can carry long items inside your vehicle by opening the access hatch in the bulkhead.

**Note:** *Fully open the access hatch against the bulkhead when in use.*



E146024

## ROOF RACKS AND LOAD CARRIERS - VEHICLES WITH INTEGRATED ROOF RACK

 **WARNING:** When loading the roof racks, we recommend you evenly distribute the load, as well as maintain a low center of gravity. Loaded vehicles, with higher centers of gravity, may handle differently than unloaded vehicles. Take extra precautions, such as slower speeds and increased stopping distance, when driving a heavily loaded vehicle.

 **WARNING:** Do not exceed the maximum front and rear axle loads for your vehicle.

 **WARNING:** Read and follow the manufacturer's instructions when you are fitting a roof rack.

You must place loads directly on the crossbars fitted to the roof rack side rails.

**Note:** *Never place loads directly on the roof panel.*

Make sure that you securely fasten the load. Check to make sure the straps are secure before driving and at each fuel stop.

The maximum roof loading using two adjacent rails is 75 kg (165 lb).

The maximum roof loading using all rails is 130 kg (287 lb).

## Raising and Lowering the Crossbars

 **WARNING:** The crossbars are heavy. To help avoid personal injury take care when lowering the crossbars.

## Load Carrying

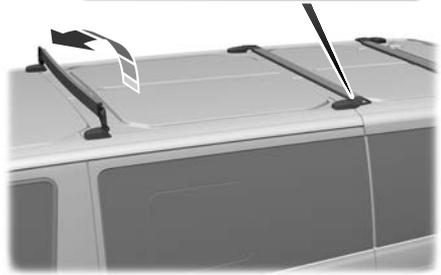
 **WARNING:** When folding the crossbars down, take care not to get your fingers caught in the mechanism.

 **WARNING:** Do not tether loads near the release lever.



E171581

**Note:** Make sure the crossbars are in the folded position before entering a car wash.



E167062

1. Pull the release lever.
2. Raise or lower the crossbars until they lock into place.

# Load Carrying

## ROOF RACKS AND LOAD CARRIERS - VEHICLES WITHOUT INTEGRATED ROOF RACK

 **WARNING:** When loading the roof racks, we recommend you evenly distribute the load, as well as maintain a low center of gravity. Loaded vehicles, with higher centers of gravity, may handle differently than unloaded vehicles. Take extra precautions, such as slower speeds and increased stopping distance, when driving a heavily loaded vehicle.

 **WARNING:** Do not exceed the maximum permissible roof load.

 **WARNING:** Do not exceed the maximum axle load for your vehicle. See **Vehicle Identification Plate** (page 370).

 **WARNING:** Read and follow the manufacturer's instructions when you are fitting a roof rack.

 **WARNING:** Do not place loads directly on the roof panel.

 **WARNING:** If you use a roof rack, the fuel consumption of your vehicle will be higher and you may experience different driving characteristics.

For correct roof rack system function, you must place loads directly on crossbars fitted to the roof rack side rails.

Make sure that you securely fasten the load. Check to make sure the straps are secure before driving and at each fuel stop.

Variant	Maximum Roof Load (Including Roof Rack) kg (lb)
Low Roof	150 (331)
Medium Roof	100 (220)

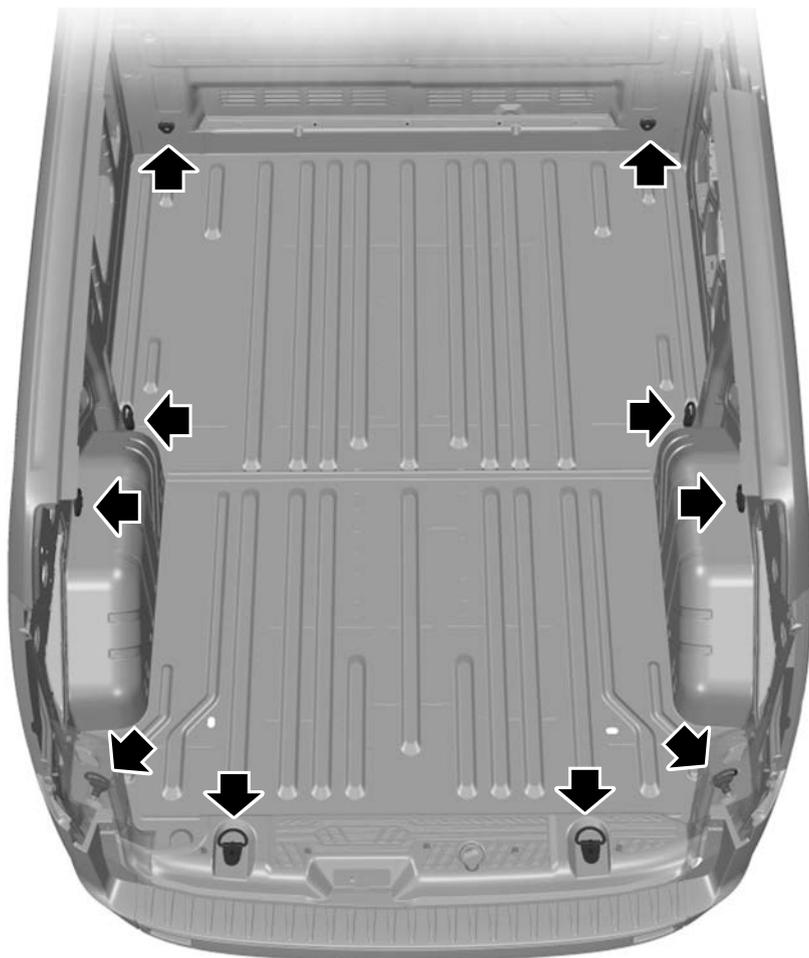
## LOAD RETAINING FIXTURES - BUS

**Note:** *The number of load retaining fixtures may vary depending on your vehicle model.*

# Load Carrying

## Securing Cargo

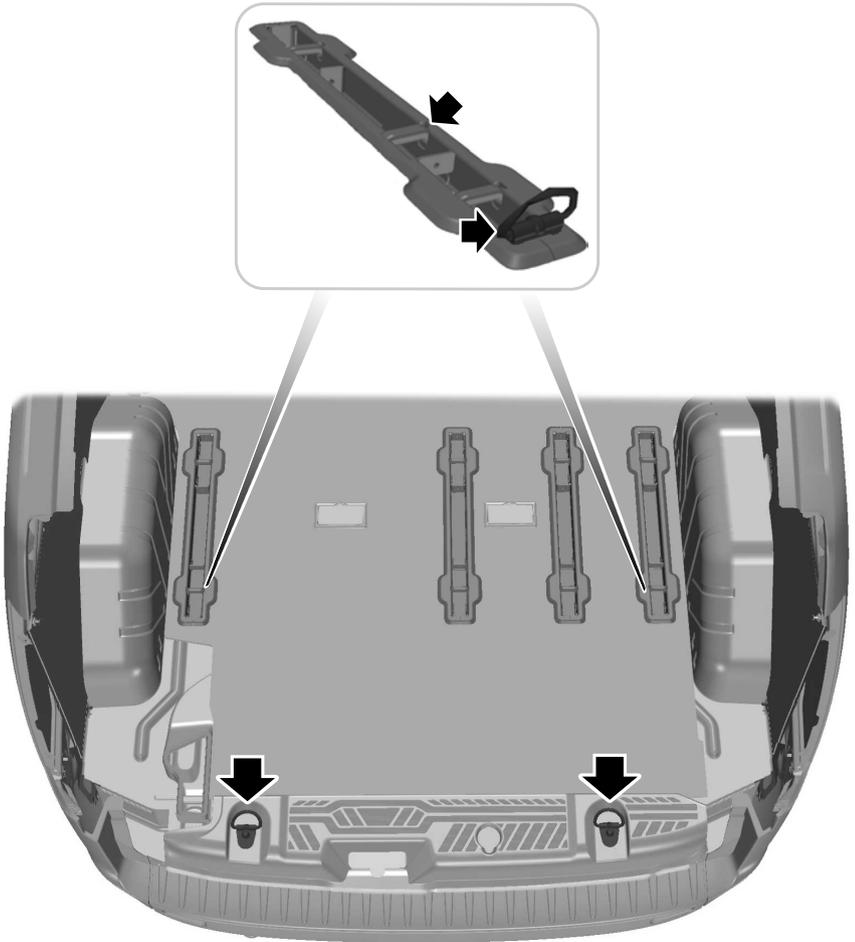
All Vehicles except Kombi



E146219

# Load Carrying

## Kombi Vehicles



E146220

# Load Carrying

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Variant	Maximum Load Value
All	500 kg (1,100 lb)

## **LOAD RETAINING FIXTURES - VAN**

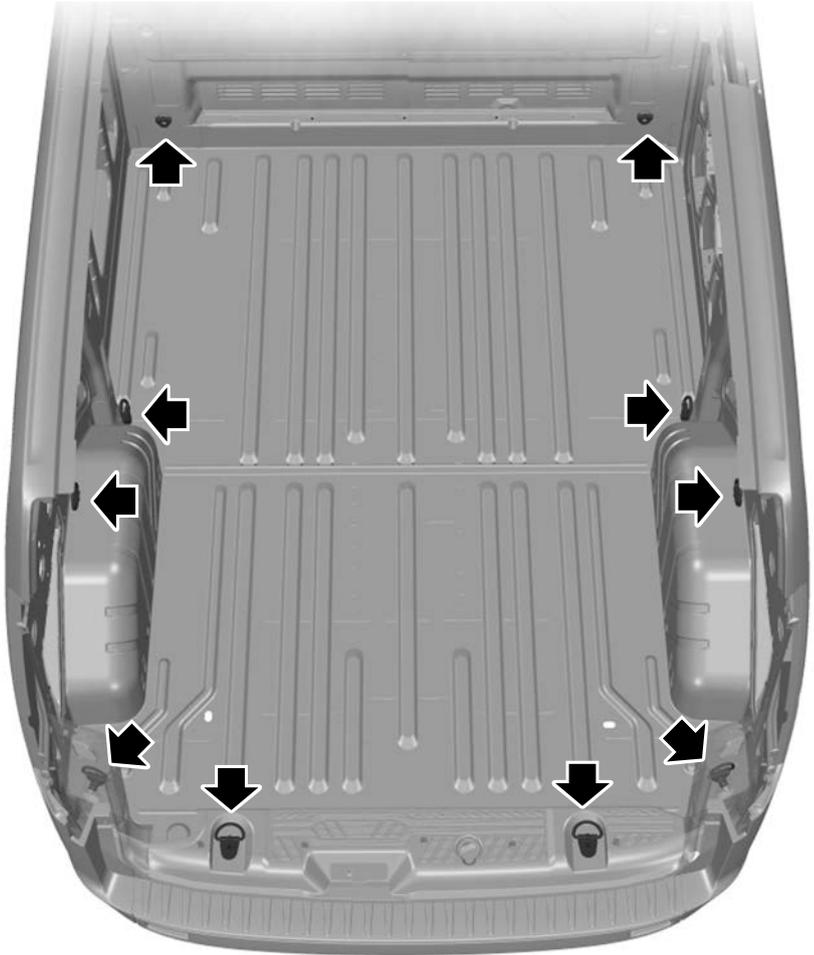
**Note:** *The number of load retaining fixtures may vary depending on your vehicle model.*

# Load Carrying

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## Securing Cargo

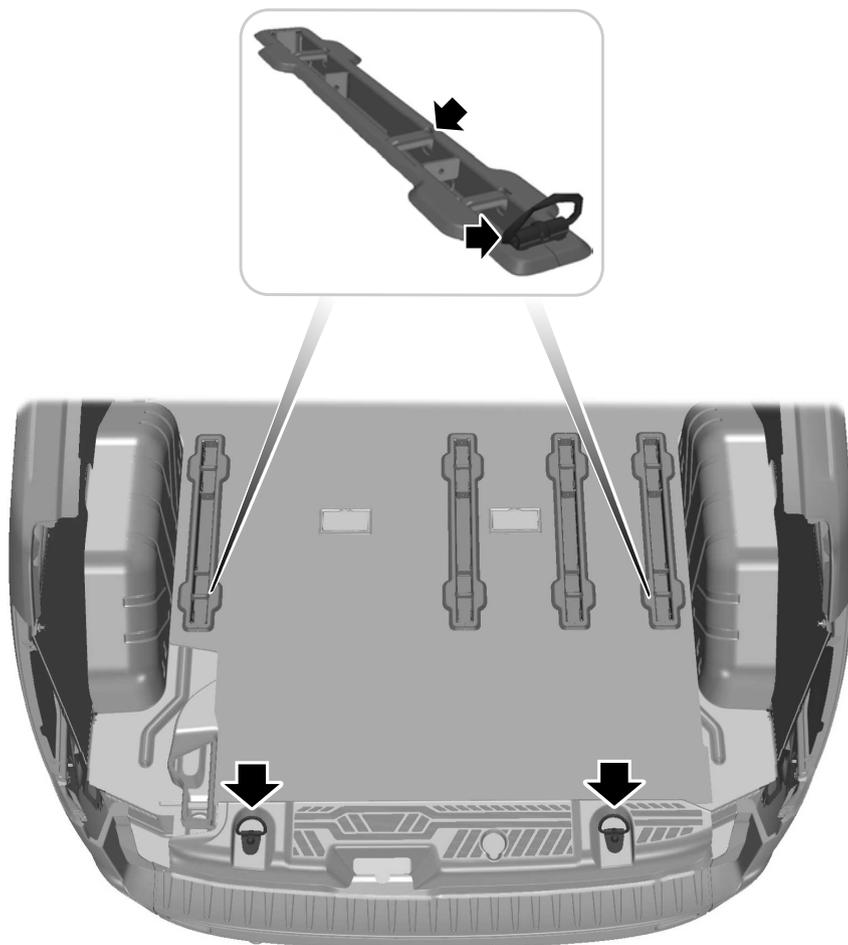
Except Kombi



E146219

# Load Carrying

## Kombi



E146220

# Load Carrying

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Variant	Maximum Load Value
All	5,000 N (1,125 lb)

# Towing

## TOWING A TRAILER - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Your vehicle is not approved for trailer towing. Never tow a trailer with your vehicle.

## TOWING A TRAILER - EXCLUDING: PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Do not exceed 100 km/h (62 mph). This could result in the loss of vehicle control, serious personal injury or death.



**WARNING:** Do not exceed the maximum gross train weight stated on your vehicle identification plate. This could result in the loss of vehicle control, serious personal injury or death. See **Vehicle Identification Plate** (page 370).



**WARNING:** Do not exceed the maximum permissible trailer nose weight (vertical weight on the tow ball) as stated in the vehicle specification chart. This could result in the loss of vehicle control, serious personal injury or death. See **Capacities and Specifications** (page 367).



**WARNING:** The anti-lock braking system does not control the overrun brake on the trailer. This could result in the loss of vehicle control, serious personal injury or death.

### When towing a trailer:

- Obey country specific regulations for towing a trailer.
- Do not exceed 100 km/h (62 mph) even if a country allows higher speeds under certain conditions.
- Place loads as low as possible and central to the axle of your trailer. If you are towing with an unladen vehicle, the load in your trailer should be placed toward the nose, within the maximum nose load, as this gives the best stability. See **Capacities and Specifications** (page 367).
- The trailer nose weight (vertical weight on the tow ball), is essential for the driving stability of your vehicle and trailer.
- The vertical weight on the tow ball should be at least 4% of the trailer weight and not exceed the maximum permissible weight. See **Capacities and Specifications** (page 367).
- Reduce speed immediately if the trailer shows any sign of swaying. See **Trailer Sway Control** (page 251).
- Use a low gear when descending a steep downhill gradient.

**Note:** *The maximum permissible trailer nose weight on the trailer identification plate is the trailer manufacturer's testing value. The vehicle maximum permissible trailer nose weight may be lower.*

The stability of your vehicle to trailer combination is very much dependent on the quality of the trailer.

Towing a trailer changes the vehicle handling characteristics and increases stopping distances. Adapt your speed and driving behavior to the load of the trailer.

# Towing

The gross train weight stated on the vehicle identification plate applies for road gradients up to 12% and altitudes up to 1,000 m (3,281 ft) when towing a trailer. In mountainous regions the engine performance decreases due to lower air density with increasing altitude. In high altitude regions above 1,000 m (3,281 ft), the stipulated maximum permitted gross train weight must be reduced by 10% for every extra 1,000 m (3,281 ft).

**Note:** *Not all vehicles are suitable or approved to have tow bars fitted. See an authorized dealer for further information.*

## Trailer Lighting

The electrical system on your vehicle is suitable for towing trailers with LED lamps.

## TRAILER SWAY CONTROL

**Note:** *This feature does not prevent trailer sway, but reduces it once it begins.*

**Note:** *This feature cannot stop all trailers from swaying.*

**Note:** *In some cases, if your vehicle speed is too high, the system may turn on multiple times, gradually reducing your vehicle speed.*

This feature applies your vehicle brakes at individual wheels and if necessary, reduces engine power. If the trailer begins to sway, the traction control warning lamp flashes and a message will appear in the information display. Slow your vehicle down, pull safely to the side of the road and check for correct load distribution. See **Load Carrying** (page 239).

## TOWING THE VEHICLE ON FOUR WHEELS - AUTOMATIC TRANSMISSION, EXCLUDING: PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

 **WARNING:** You must switch the ignition on when your vehicle is being towed. Failure to follow this warning could seriously increase the risk of injury or death.

 **WARNING:** If your vehicle has a steering wheel lock make sure the ignition is in the accessory or on position when being towed.

 **WARNING:** You must make sure the transmission selector lever is placed in position **N**. Failure to follow this warning could damage the transmission and may lead to a crash or injury.

 **WARNING:** The brake and steering assistance will not operate unless the engine is running. Press the brake pedal harder and be aware of increased stopping distances and heavier steering.

 **WARNING:** Too much tension on a tow rope could cause damage to your vehicle or the vehicle that is towing.

 **WARNING:** Do not tow your vehicle if the ambient temperature is below 0°C (32°F).

## Emergency Towing

If your vehicle is disabled without access to wheel dollies, a car-hauling trailer, or a flatbed transport vehicle it can be flat-towed with all wheels on the ground.

# Towing

You may do this under the following conditions:

- Your vehicle is facing forward so that it is towed in a forward direction.
- The transmission selector lever is placed in position **N**. If the transmission gear shift lever cannot be moved to position **N**, it may need to be overridden. See **Automatic Transmission** (page 181).
- Maximum speed is 50 km/h (31 mph).
- Maximum distance is 80 km (50 mi).

Drive off slowly and smoothly without jerking the vehicle you are towing.

You must only use the recovery hook that was delivered with your vehicle. See **Towing Points** (page 260).

Tow ropes or rigid towing bars must be placed on the same side. For example; right hand rear towing point to right hand front towing point.

You must use a tow rope or rigid towing bar that is of the correct strength for the weight of the towing vehicle and the vehicle that is being towed.

**Note:** *Using a rigid towing bar is the safest way to tow a vehicle.*

The weight of the vehicle that is being towed must not exceed the weight of the towing vehicle.

## TOWING THE VEHICLE ON FOUR WHEELS - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

If you need to tow your vehicle, contact a professional towing service or, if you are a member of a roadside assistance program, your roadside assistance service provider. The front wheels must be lifted off the ground.

## TOWING THE VEHICLE ON FOUR WHEELS - MANUAL TRANSMISSION



**WARNING:** You must switch the ignition on when your vehicle is being towed. Failure to follow this warning could seriously increase the risk of injury or death.



**WARNING:** The brake and steering assistance will not operate unless the engine is running. Press the brake pedal harder and be aware of increased stopping distances and heavier steering.



**WARNING:** If your vehicle has a steering wheel lock make sure the ignition is in the accessory or on position when being towed.



**WARNING:** Too much tension on a tow rope could cause damage to your vehicle or the vehicle that is towing.



**WARNING:** When towing your vehicle you must select neutral. Failure to follow this warning could damage the transmission and may lead to a crash or injury.

Drive off slowly and smoothly without jerking the vehicle you are towing.

You must only use the towing eye that was delivered with your vehicle. See **Towing Points** (page 260).

Tow ropes or rigid towing bars must be placed on the same side. For example; right hand rear towing point to right hand front towing point.

You must use a tow rope or rigid towing bar that is of the correct strength for the weight of the towing vehicle and the vehicle that is being towed.

# Towing

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The weight of the vehicle that is being towed must not exceed the weight of the towing vehicle.

Do not exceed 50 km/h (31 mph).

# Driving Hints

## COLD WEATHER PRECAUTIONS

The functional operation of some components and systems can be affected at temperatures below approximately -25°C (-13°F).

## BREAKING-IN

### Tires

You need to break in new tires for approximately 480 km (300 mi). During this time, your vehicle may exhibit some unusual driving characteristics.

### Brakes and Clutch

Avoid heavy use of the brakes and clutch if possible for the first 160 km (100 mi) in town and for the first 1,600 km (1,000 mi) on freeways.

## DRIVING ECONOMICALLY

The following helps to improve fuel consumption:

- Drive smoothly, accelerate gently and anticipate the road ahead to avoid heavy braking.
- Regularly check your tire pressures and make sure that they are inflated to the correct pressure.
- Follow the recommended maintenance schedule and carry out the recommended checks.
- Plan your journey and check the traffic before you set off. It is more efficient to combine errands into a single trip whenever possible.
- Avoid idling the engine in cold weather or for extended periods. Start the engine only when you are ready to set off.

- Do not carry unnecessary weight in your vehicle as extra weight wastes fuel.
- Do not add unnecessary accessories to the exterior of your vehicle, for example running boards. If you use a roof rack, remember to fold it down or remove it when not in use.
- Do not shift into neutral when you are braking or when your vehicle is slowing down.
- Shut all windows when driving at high speeds.
- Switch off all electric systems when not in use, for example air conditioning. Make sure that you unplug any accessories from the auxiliary power points when not in use.

## DRIVING THROUGH SHALLOW WATER



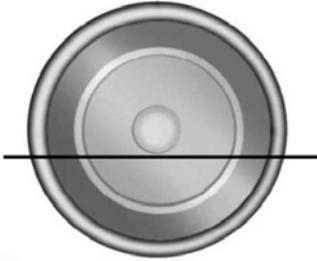
**WARNING:** Do not attempt to cross a deep or flowing body of water. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

**Note:** *Driving through standing water can cause vehicle damage.*

**Note:** *Engine damage can occur if water enters the air filter.*

Before driving through standing water, check the depth. Never drive through water that is higher than the bottom of the wheel hubs.

# Driving Hints



When driving through standing water, drive very slowly and do not stop your vehicle. Your brake performance and traction could be limited. After driving through water and as soon as it is safe to do so:

- Lightly press the brake pedal to dry the brakes and to check that they work.
- Turn the steering wheel to check that the steering power assist works.

Check the function of the following:

- Horn
- Exterior lights

## FLOOR MATS

**WARNING:** Use a floor mat designed to fit the footwell of your vehicle that does not obstruct the pedal area. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

**WARNING:** Pedals that cannot move freely can cause loss of vehicle control and increase the risk of serious personal injury.

**WARNING:** Secure the floor mat to both retention devices so that it cannot slip out of position and interfere with the pedals. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

**WARNING:** Do not place additional floor mats or any other covering on top of the original floor mats. This could result in the floor mat interfering with the operation of the pedals. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

**WARNING:** Always make sure that objects cannot fall into the driver foot well while your vehicle is moving. Objects that are loose can become trapped under the pedals causing a loss of vehicle control.



To install floor mats that have eyelets, position the floor mat eyelet over the retention post and press down to lock in position. Repeat for all eyelets on the floor mat.

To remove the floor mats, reverse the installation procedure.

## Driving Hints

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**Note:** *Regularly check the floor mats to make sure they are secure.*

# Roadside Emergencies

## HAZARD FLASHERS

**Note:** Depending on applicable laws and regulations in the country for which your vehicle was originally built, your brake lamps may flash during heavy braking. Following this your hazard warning flashers may also flash once your vehicle comes to a stop. To stop the hazard warning flashers press the button or drive off normally.



For item location: See **Instrument Panel** (page 19).

## JUMP STARTING THE VEHICLE - 2.2L DIESEL



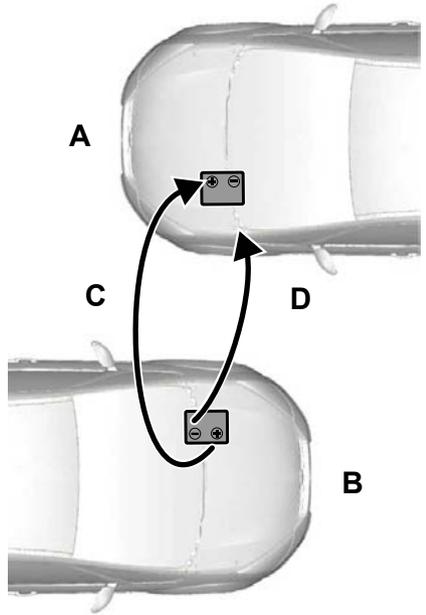
**WARNING:** Connect batteries with only the same nominal voltage.



**WARNING:** Use only adequately sized cables with insulated clamps.

**Note:** Do not disconnect the battery of the disabled vehicle as this could damage the vehicle electrical system.

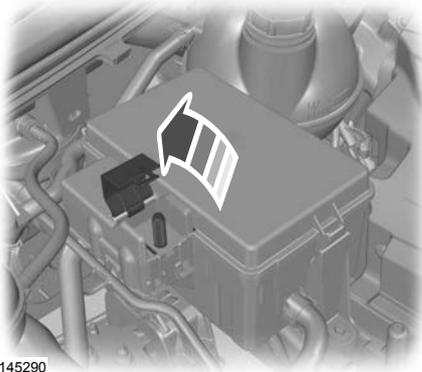
## Connecting the Jumper Cables



- A Vehicle with the discharged battery.
- B Vehicle with the booster battery.
- C Positive jumper cable.
- D Negative jumper cable.

1. Switch the ignition off and any electrical equipment.

# Roadside Emergencies



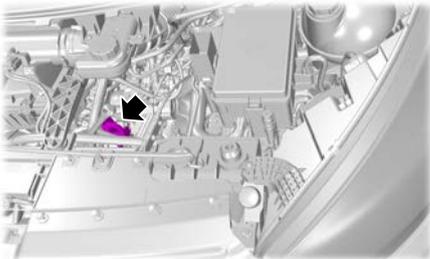
E145290

2. Lift up the battery positive connection point cover. For item location, refer to the appropriate under hood overview. See **Maintenance** (page 303).



**WARNING:** Make sure that the cables are clear of any moving parts and fuel delivery system parts.

3. Connect one end of the positive jumper cable to the positive terminal of the discharged battery and the other end to the positive terminal of the booster battery.



**WARNING:** Do not connect the negative jumper cable to any other part of your vehicle. Use the ground point.

4. Connect one end of the negative jumper cable to the negative terminal of the booster battery or to a suitable ground point and the other end to the ground point on your vehicle.

## Starting the Engine

1. Start the engine of the vehicle with the booster battery and keep the engine speed between 2000 and 3000 RPM.
2. Start the engine of the vehicle with the discharged battery.
3. When the engine starts, run the engines for three minutes before you disconnect the jumper cables.

Remove the jumper cables in the reverse order that they were connected.

**Note:** Do not switch the headlamps on before you disconnect the jumper cables. The peak voltage could cause the bulbs to fail.

## JUMP STARTING THE VEHICLE - 2.0L ECOBLUE



**WARNING:** Connect batteries with only the same nominal voltage.

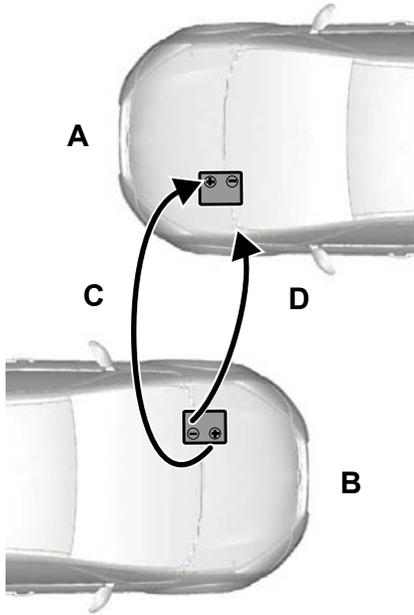


**WARNING:** Use only adequately sized cables with insulated clamps.

**Note:** Do not disconnect the battery of the disabled vehicle as this could damage the vehicle electrical system.

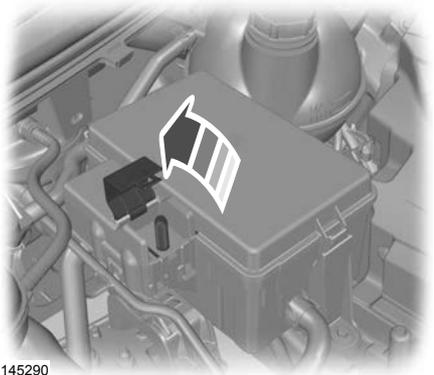
# Roadside Emergencies

## Connecting the Jumper Cables



- A Vehicle with the discharged battery.
- B Vehicle with the booster battery.
- C Positive jumper cable.
- D Negative jumper cable.

1. Switch the ignition off and any electrical equipment.



E145290

2. Lift up the battery positive connection point cover. For item location, refer to the appropriate under hood overview. See **Maintenance** (page 303).

**⚠ WARNING:** Make sure that the cables are clear of any moving parts and fuel delivery system parts.

3. Connect one end of the positive jumper cable to the positive terminal of the discharged battery and the other end to the positive terminal of the booster battery.



# Roadside Emergencies



**WARNING:** Do not connect the negative jumper cable to any other part of your vehicle. Use the ground point.

4. Connect one end of the negative jumper cable to the negative terminal of the booster battery or to a suitable ground point and the other end to the ground point on your vehicle.

## Starting the Engine

1. Start the engine of the vehicle with the booster battery and keep the engine speed between 2000 and 3000 RPM.
2. Start the engine of the vehicle with the discharged battery.
3. When the engine starts, run the engines for three minutes before you disconnect the jumper cables.

Remove the jumper cables in the reverse order that they were connected.

**Note:** Do not switch the headlamps on before you disconnect the jumper cables. The peak voltage could cause the bulbs to fail.

## TOWING POINTS

### Front Towing Point



**WARNING:** Make sure that the towing eye is fully tightened. Failure to follow this instruction could result in personal injury.



**WARNING:** You must switch the ignition on when your vehicle is being towed.

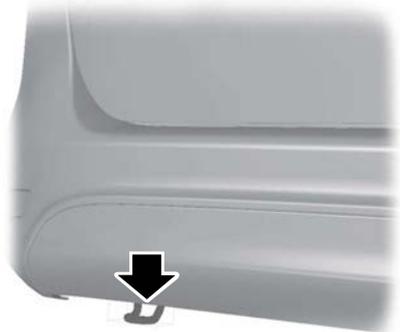


E146426

1. Carefully remove the cover.
2. Install the towing eye.

**Note:** It has a left-hand thread. Turn it counterclockwise to install it.

### Rear Towing Point

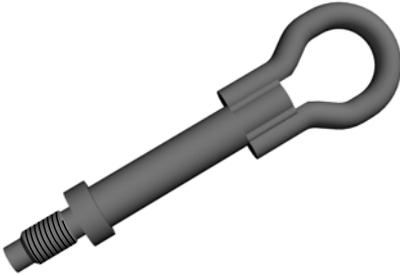


E142319

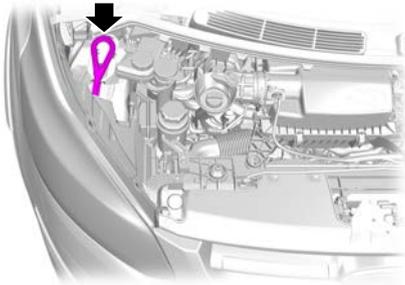
# Roadside Emergencies

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## Towing Eye Location



The towing eye is in the engine compartment on the right-hand side.



**Note:** *You must carry the towing eye in your vehicle at all times.*

# Crash and Breakdown Information

## POST-CRASH ALERT SYSTEM

### WHAT IS THE POST-CRASH ALERT SYSTEM

The system helps draw attention to your vehicle in the event of a serious impact.

### HOW DOES THE POST-CRASH ALERT SYSTEM WORK

The system is designed to turn the hazard flashers on and to intermittently sound the horn in the event of a serious impact that deploys an airbag or the seatbelt pretensioners.

### POST-CRASH ALERT SYSTEM LIMITATIONS

Depending on applicable laws in the country your vehicle was built for, the horn does not sound in the event of a serious impact.

### SWITCHING THE POST-CRASH ALERT SYSTEM OFF

Press the hazard flasher switch or the unlock button on the remote control to switch the system off.

**Note:** *The alert turns off when the vehicle battery runs out of charge.*

## POST IMPACT BRAKING

### HOW DOES POST IMPACT BRAKING WORK

In the event of a moderate to severe crash, the braking system reduces the vehicle's speed in order to prevent or reduce the impact of a potential secondary crash.

## POST IMPACT BRAKING LIMITATIONS

Post impact braking does not activate if any of the following occur:

- The anti-lock braking system is damaged during the collision.
- Electronic stability control is disabled.
- Vehicle speed is below 10 km/h (5 mph).

## OVERRIDING POST IMPACT BRAKING

You can override post impact braking by pressing the brake or accelerator pedal.

## POST IMPACT BRAKING INDICATORS



It flashes when a post impact braking event is occurring.

## AUTOMATIC CRASH SHUTOFF

### WHAT IS AUTOMATIC CRASH SHUTOFF

The automatic crash shutoff is designed to stop the fuel going to the engine in the event of a moderate or severe crash.

**Note:** *Not every impact causes a shutoff.*

### AUTOMATIC CRASH SHUTOFF PRECAUTIONS



**WARNING:** If your vehicle has been involved in a crash, have the fuel system checked. Failure to follow this instruction could result in fire, personal injury or death.

# Crash and Breakdown Information

---

## RE-ENABLING YOUR VEHICLE

1. Switch the ignition off.
2. Attempt to start your vehicle.
3. Switch the ignition off.
4. Attempt to start your vehicle.

**Note:** *If your vehicle does not start after the third attempt, have your vehicle checked as soon as possible.*

# Emergency Equipment

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## **FIRST AID KIT**

Space is provided in the passenger's side lower door bin.

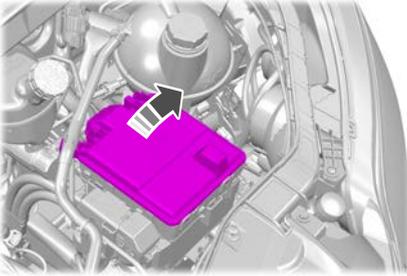
## **WARNING TRIANGLE**

Space is provided in the driver's side lower door bin.

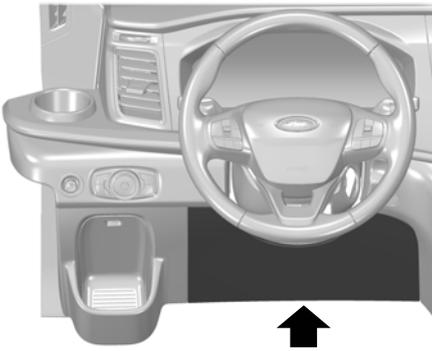
# Fuses

## FUSE BOX LOCATIONS - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV), 2.0L ECOBLUE

### Engine Compartment Fuse Box

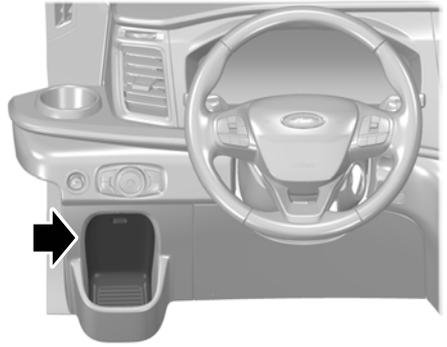


### Driver Compartment Fuse Box



The fuse box is behind the removable trim panel.

### Body Control Module



### Passenger Compartment Fuse Box



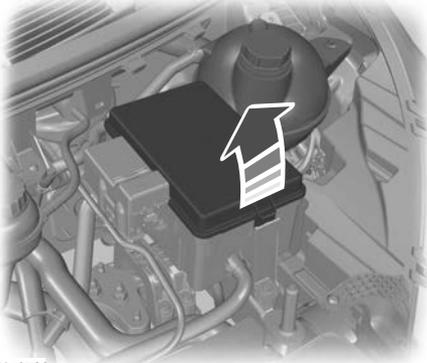
### Pre-fuse Box

The fuse box is under the driver seat.

# Fuses

## FUSE BOX LOCATIONS - 2.2L DIESEL

### Engine Compartment Fuse Box



E146726

### Passenger Compartment Fuse Box



E260233

The fuse box is behind the removable trim panel.

### Pre-fuse Box

The fuse box is under the driver seat.

### Body Control Module



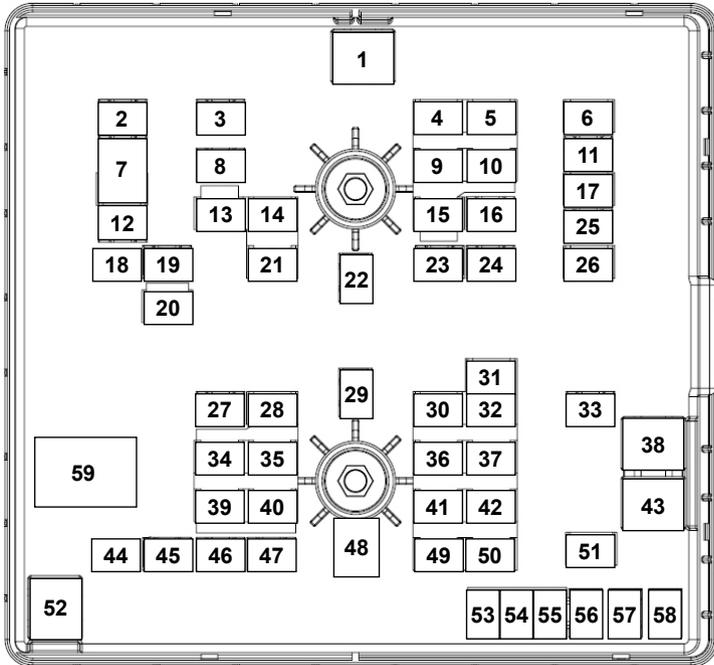
E260233

The fuse box is behind the removable trim panel.

# Fuses

## FUSE SPECIFICATION CHART - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

### Engine Compartment Fuse Box



Item	Fuse Rating	Protected Component
1	50 A	Wipers.
2	-	Not used.
3	40 A	Right-hand heated windshield element.
4	15 A	Rear washer motor.
5	-	Not used.
6	5 A	Fuel door actuator.

# Fuses

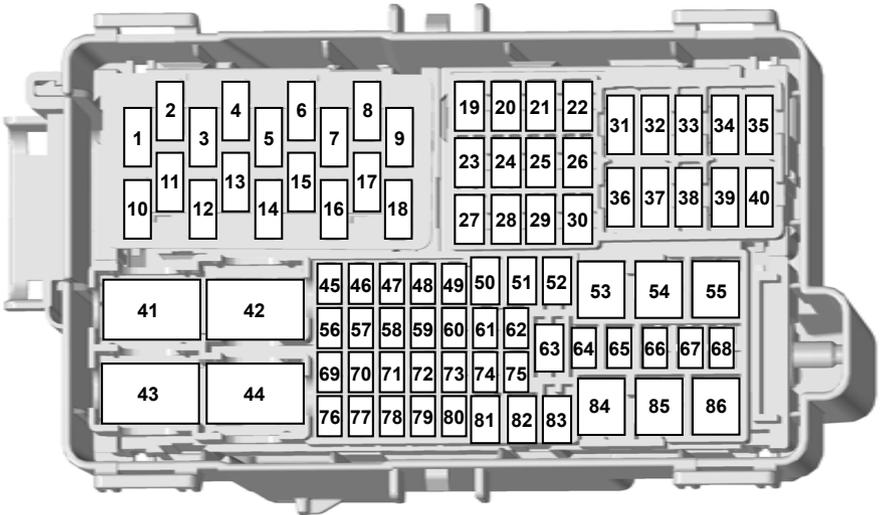
Item	Fuse Rating	Protected Component
7	40 A	Front blower motor.
8	40 A	Left-hand heated windshield element.
9	-	Not used.
10	5 A	Fuel tank isolation valve.
11	40 A	Auxiliary power point. USB port.
12	20 A	Horn.
13	10 A	Vehicle power 3.
14	5 A	Heater core isolation valve.
15	5 A	Turbo coolant pump.
16	-	Not used.
17	10 A	Right-hand high-intensity discharge headlamps.
18	40 A	Rear window defroster.
19	30 A	Fuel pump driver module.
20	10 A	Power folding mirrors.
21	15 A	High temperature coolant pump.
22	40 A	Rear blower motor.
23	-	Not used.
24	40 A	Run/Start.
25	40 A	Auxiliary power points.
26	10 A	Left-hand high-intensity discharge headlamps.
27	-	Not used.
28	15 A	Motor electronics coolant pump.
29	40 A	Brake vacuum pump.
30	15 A	Traction battery coolant pump.
31	5 A	Anti-lock brake system.
32	-	Not used.

## Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
33	30 A	Powertrain control module.
34	15 A	Vehicle power 4.
35	5 A	Traction battery cooling valve.
36	5 A	Front evaporator shutoff valve.
37	-	Not used.
38	-	Not used.
39	15 A	Vehicle power 2.
40	5 A	Air conditioning compressor.
41	5 A	Chiller shutoff valve.
42	5 A	Rear heater shutoff valve.
43	60 A	Anti-lock brake system pump.
44	25 A	Cooling fan.
45	30 A	Trailer socket.
46	40 A	Heater element 3.
47	40 A	Heater element 1.
48	50 A	Cooling fan.
49	10 A	Positive temperature coefficient heater.
50	5 A	Rear evaporator shutoff valve.
51	15 A	Battery energy control module.
52	50 A	Cooling fan.
53	5 A	Bypass shutoff valve.
54	10 A	Battery charge control module.
55	5 A	Vehicle control module.
56	-	Not used.
57	25 A	Anti-lock brake system valves.
58	40 A	Heater element 2.
59	-	Cooling fan relay.

# Fuses

## Passenger Compartment Fuse Box



Item	Fuse Rating	Protected Component
1	5 A	USB port.
2	-	Not used.
3	5 A	USB port.
4	-	Not used.
5	5 A	USB port.
6	-	Not used.
7	-	Not used.
8	-	Not used.
9	10 A	Heated exterior mirrors.
10	-	Not used.
11	-	Not used.
12	15 A	Vehicle control module.

# Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
13	15 A	Vehicle control module.
14	15 A	Vehicle control module.
15	-	Not used.
16	5 A	Rain sensor.
17	-	Not used.
18	20 A	Rear window wiper motor.
19	-	Not used.
20	-	Not used.
21	20 A	Heated rear window.
22	20 A	Heated rear window.
23	20 A	Auxiliary power point.
24	20 A	Auxiliary power point.
25	25 A	Windshield wiper motor.
26	25 A	Windshield wiper motor.
27	-	Not used.
28	-	Not used.
29	-	Not used.
30	-	Not used.
31	-	Not used.
32	-	Not used.
33	-	Not used.
34	-	Not used.
35	-	Not used.
36	-	Not used.
37	-	Not used.
38	-	Not used.
39	-	Not used.

# Fuses

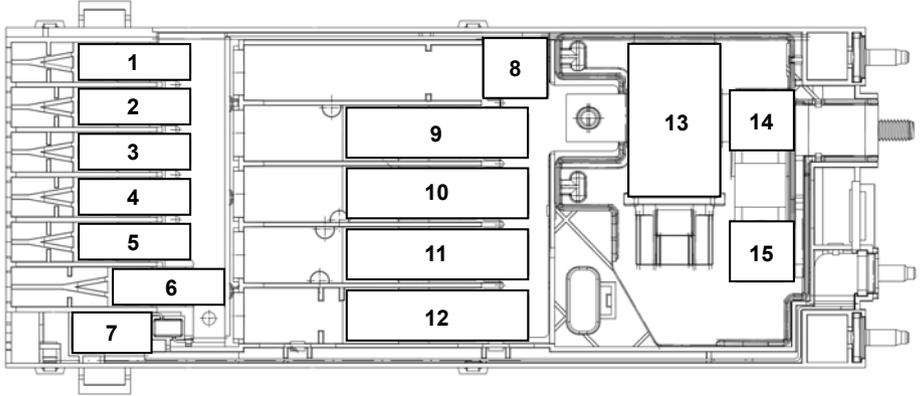
Item	Fuse Rating	Protected Component
40	-	Not used.
41	-	Not used.
42	40 A	Run/start relay.
43	10 A	Upfitter relay.
44	40 A	Run/start relay.
45	10 A	Upfitter interface module.
46	15 A	Trailer tow module.
47	10 A	Generator alternating current/direct current inverter.
48	-	Not used.
49	10 A	Brake pedal switch.
50	-	Not used.
51	-	Not used.
52	30 A	Driver power seat.
53	60 A	Battery.
54	-	Not used.
55	50 A	Body control module.
56	-	Not used.
57	-	Not used.
58	10 A	Upfitter interface control module.
59	10 A	Blind spot information system.
60	10 A	Not used.
61	7.5 A	Tachograph.
62	15 A	Upfitter interface module.
63	20 A	Auxiliary power point.
64	-	Not used.
65	-	Not used.
66	10 A	Upfitter relay.

## Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
67	-	Not used.
68	5 A	Trailer tow module.
69	5 A	Electronic power assist steering.
70	-	Not used.
71	10 A	Heated seats.
72	10 A	Heated seats.
73	20 A	Lighting control.
74	-	Not used.
75	20 A	Power distribution box.
76	10 A	Not used.
77	5 A	Headlamp switch.
78	10 A	Electric motor direct current/alternating current inverter.
79	-	Run/start relay.
80	5 A	Not used.
81	40 A	Vehicle dynamics control module.
82	30 A	Not used.
83	15 A	Vehicle dynamics control module.
84	50 A	Body control module.
85	-	Not used.
86	50 A	Body control module.

# Fuses

## Pre-fuse Box



Item	Fuse Rating	Protected Component
1	125 A	Body control module.
2	80 A	Electronic power assist steering.
3	150 A	Auxiliary heater.
4	-	Not used.
5	-	Not used.
6	150 A	Passenger compartment fuse box.
7	60 A	Camper.
8	-	Battery.
9	470 A	Direct current/Direct current inverter.
10	300 A	Engine compartment fuse box.
11	-	Not used.
12	150 A	Driver compartment fuse box.

# Fuses

Item	Fuse Rating	Protected Component
13	-	Load shed relay.
14	180 A	Auxiliary power point 1.
15	60 A	Auxiliary power point 2.

## Body Control Module



Item	Fuse Rating	Protected Component
1	-	Not used.
2	10 A	Power inverter.
3	7.5 A	Power window switch. Power exterior mirrors.
4	20 A	Not used.
5	-	Not used.
6	10 A	Anti-theft alarm horn.
7	10 A	Not used.
8	5 A	Telematics modem.

## Fuses

Item	Fuse Rating	Protected Component
9	5 A	Intrusion sensor. Rear air conditioning.
10	-	Not used.
11	-	Not used.
12	7.5 A	Climate control.
13	7.5 A	Data link connector. Steering column. Instrument cluster.
14	-	Not used.
15	15 A	SYNC 3 module.
16	-	Not used.
17	7.5 A	Tachograph.
18	7.5 A	Not used.
19	5 A	Battery back-up sounder.
20	5 A	Ignition switch.
21	5 A	Positive temperature coefficient heater control.
22	5 A	Pedestrian alert control module.
23	30 A	Not used.
24	30 A	Not used.
25	20 A	Driver door module.
26	30 A	Passenger door module.
27	30 A	Not used.
28	30 A	Not used.
29	15 A	Not used.
30	5 A	Not used.
31	10 A	Data link connector. Remote key receiver.
32	20 A	Radio.

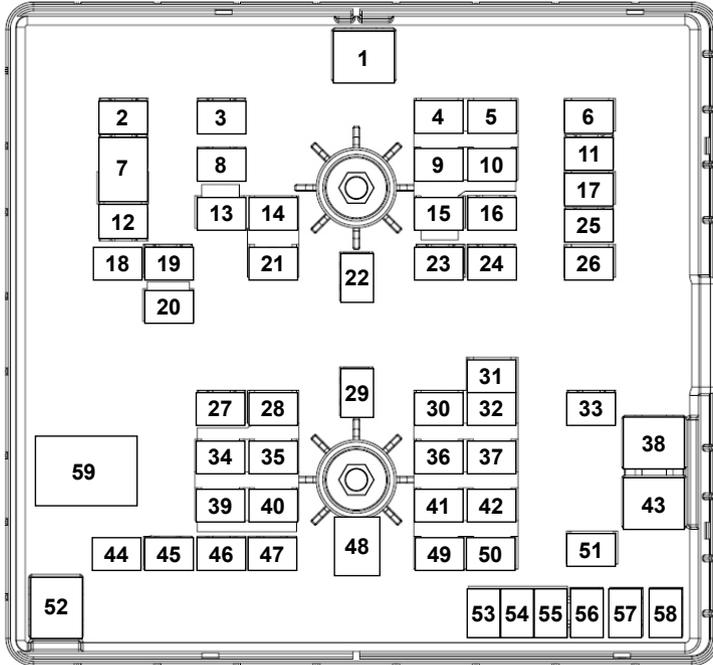
## Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
33	-	Not used.
34	30 A	Tachograph. Message center. Positive temperature coefficient heater. Direct current/Alternating current inverter. Lane keeping system camera. Parking aid. Steering column.
35	5 A	Not used.
36	15 A	Parking aid. Lane keeping system camera. Steering column control module.
37	20 A	Not used.
38	30 A	Power windows.

# Fuses

## FUSE SPECIFICATION CHART - 2.0L ECOBLUE

### Engine Compartment Fuse Box



Item	Fuse Rating	Protected Component
1	50 A	Wipers.
2	-	Not used.
3	40 A	Right-hand heated windshield element.
4	15 A	Rear window washer pump.
5	-	Not used.
6	-	Not used.
7	40 A	Front blower motor.

# Fuses

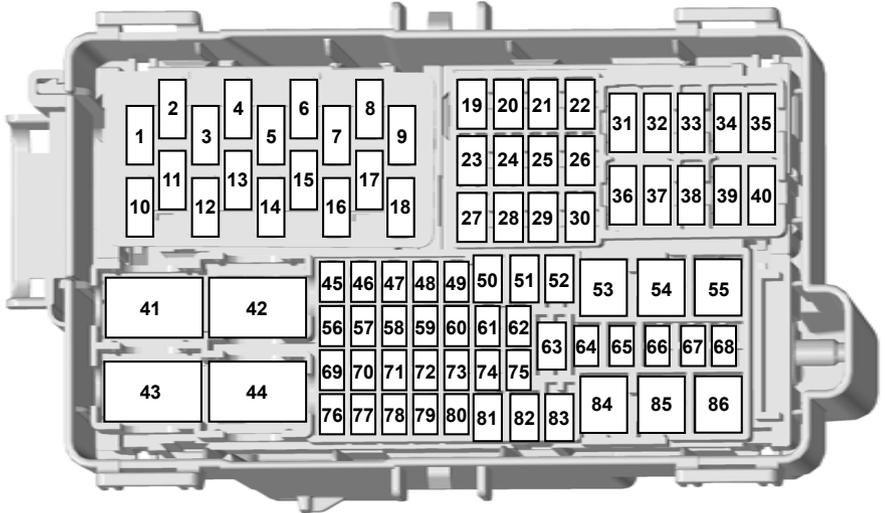
Item	Fuse Rating	Protected Component
8	40 A	Left-hand heated windshield element.
9	15 A	Rear door latch.
10	5 A	Battery energy control module - MHEV.
11	40 A	Auxiliary power point. USB port.
12	20 A	Horn.
13	20 A	Selective catalytic reduction system.
14	10 A	Vehicle power 5.
15	-	Not used.
16	-	Not used.
17	10 A	Right-hand high-intensity discharge headlamps.
18	40 A	Rear window defroster.
19	20 A	Front fog lamps.
20	10 A	Power folding mirrors.
21	15 A	Vehicle power 4.
22	40 A	Rear blower motor.
23	20 A	Fuel pump.
24	40 A	Starter relay.
25	40 A	Auxiliary power point.
26	10 A	Left-hand high-intensity discharge headlamps.
27	40 A	Selective catalytic reduction system.
28	20 A	Vehicle power 1.
29	40 A	Fuel filter heater.
30	15 A	Coolant pump.
31	5 A	Anti-lock brake system.
32	15 A	Transmission control module.
33	30 A	Starter motor.

## Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
34	15 A	Selective catalytic reduction system.
35	15 A	Vehicle power 2.
36	5 A	Belt integrated starter generator - MHEV.
37	5 A	Glow plugs. Powertrain control module.
38	60 A	Glow plugs.
39	15 A	Selective catalytic reduction system.
40	10 A	Vehicle power 3.
41	10 A	Glow plug monitor.
42	15 A	Transmission control unit.
43	60 A	Anti-lock brake system pump.
44	25 A	Cooling fan.
45	30 A	Trailer socket.
46	-	Not used.
47	40 A	Rear suspension.
48	50 A	Cooling fan.
49	15 A	Nitrogen oxides sensor.
50	5 A	Closed crankcase ventilation heater.
51	10 A	Air conditioning clutch.
52	50 A	Cooling fan.
53	5 A	Active tensioner - MHEV.
54	20 A	Backup alarm.
55	25 A	Transmission fluid pump.
56	20 A	Fuel fired booster heater.
57	25 A	Anti-lock brake system with electronic stability control.
58	30 A	Trailer socket.
59	-	Cooling fan relay.

# Fuses

## Driver Compartment Fuse Box



Item	Fuse Rating	Protected Component
1	5 A	USB port.
2	-	Not used.
3	5 A	USB port.
4	-	Not used.
5	5 A	USB port.
6	-	Not used.
7	-	Not used.
8	-	Not used.
9	10 A	Heated exterior mirrors.
10	-	Not used.
11	-	Not used.
12	-	Not used.

# Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
13	-	Not used.
14	-	Not used.
15	-	Not used.
16	5 A	Rain sensor.
17	-	Not used.
18	20 A	Rear window wiper motor.
19	-	Not used.
20	-	Not used.
21	20 A	Heated rear window.
22	20 A	Heated rear window.
23	20 A	Auxiliary power point.
24	20 A	Auxiliary power point.
25	25 A	Windshield wiper motor.
26	25 A	Windshield wiper motor.
27	-	Not used.
28	-	Not used.
29	-	Not used.
30	-	Not used.
31	-	Not used.
32	-	Not used.
33	-	Not used.
34	-	Not used.
35	-	Not used.
36	-	Not used.
37	-	Not used.
38	-	Not used.
39	-	Not used.

## Fuses

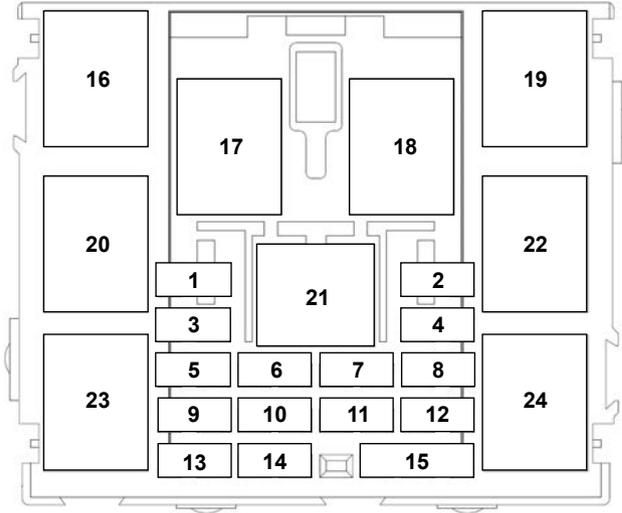
Item	Fuse Rating	Protected Component
40	-	Not used.
41	-	Not used.
42	40 A	Run/Start relay.
43	-	Upfitter relay.
44	40 A	Run/Start relay.
45	10 A	Upfitter module.
46	15 A	Trailer tow module.
47	5 A	Fuel fired heater.
48	-	Not used.
49	10 A	Brake pedal switch.
50	-	Not used.
51	-	Not used.
52	30 A	Driver power seat.
53	60 A	Battery.
54	60 A	Power inverter.
55	50 A	Body control module.
56	-	Not used.
57	-	Not used.
58	10 A	Connector camper body interface. Upfitter interface control module. Secondary junction box.
59	-	Not used.
60	-	Not used.
61	7.5 A	Tachograph.
62	15 A	Upfitter interface module.
63	20 A	Auxiliary power point.
64	-	Not used.
65	-	Not used.

# Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
66	10 A	Enhanced cut off relay system.
67	-	Not used.
68	5 A	Trailer tow module.
69	30 A	Electronic power assist steering.
70	-	Not used.
71	10 A	Heated seats.
72	10 A	Heated seats.
73	20 A	Adaptive front lighting module. Headlamp leveling.
74	-	Not used.
75	10 A	Power distribution box.
76	-	Not used.
77	5 A	Headlamp switch.
78	-	Not used.
79	5 A	Run/Start relay.
80	-	Not used.
81	-	Not used.
82	-	Not used.
83	15 A	Vehicle dynamics control module.
84	50 A	Body control module.
85	-	Not used.
86	50 A	Body control module.

# Fuses

## Passenger Compartment Fuse Box

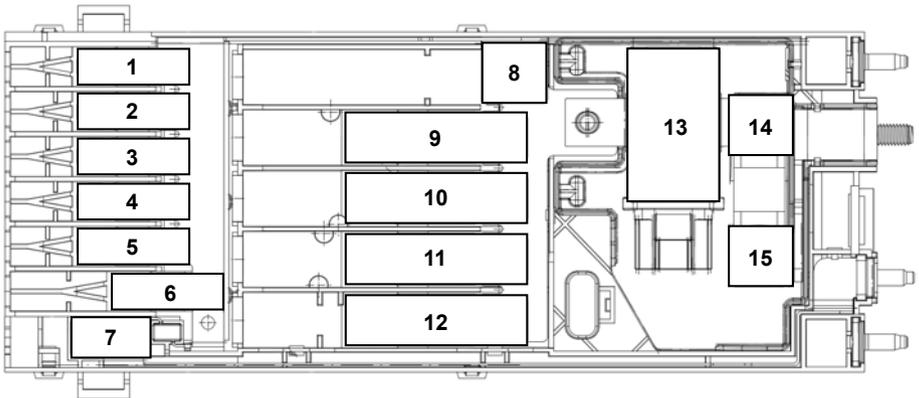


Item	Fuse Rating	Protected Component
1	40 A	Auxiliary switch 1.
2	40 A	Auxiliary switch 2.
3	20 A	Beacon switch.
4	20 A	Ignition.
5	10 A	Direction indicators.
6	5 A	Auxiliary switch 2 LED.
7	-	Not used.
8	10 A	Interior lighting.
9	15 A	Two-way radio connector.
10	5 A	Ignition.
11	10 A	Ignition.
12	20 A	Touchscreen.

# Fuses

Item	Fuse Rating	Protected Component
13	5 A	Power Mode Relay.
14	5 A	Ignition.
15	5 A	Power supply.
16	-	Beacon relay.
17	-	Auxiliary switch 1 relay.
18	-	Auxiliary switch 2 relay.
19	-	Ignition relay.
20	-	Left direction indicator relay.
21	-	Power mode relay.
22	-	Exterior lamps relay.
23	-	Right direction indicator relay.
24	-	Not used.

## Pre-fuse Box

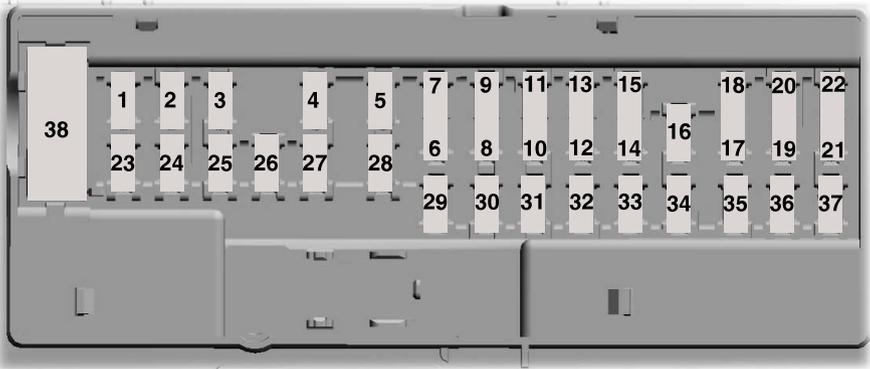


# Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
1	125 A	Body control module.
2	80 A	Electronic power assist steering.
3	150 A	Auxiliary heater.
4	-	Not used.
5	-	Not used.
6	150 A	Passenger compartment fuse box.
7	60 A	Camper.
8	-	Battery.
9	470 A	Direct current/Direct current inverter.
10	300 A	Engine compartment fuse box.
11	-	Not used.
12	150 A	Driver compartment fuse box.
13	-	Load shed relay.
14	180 A	Auxiliary power point 1.
15	60 A	Auxiliary power point 2.

# Fuses

## Body Control Module



Item	Fuse Rating	Protected Component
1	-	Not used.
2	10 A	Power inverter.
3	7.5 A	Power window switch. Power exterior mirrors.
4	20 A	Not used.
5	-	Not used.
6	10 A	Not used.
7	10 A	Not used.
8	5 A	Anti-theft alarm horn.
9	5 A	Intrusion sensor. Rear air conditioning.
10	-	Not used.
11	-	Not used.
12	7.5 A	Climate control.

# Fuses

Item	Fuse Rating	Protected Component
13	7.5 A	Data link connector. Steering column. Instrument cluster.
14	15 A	Battery energy control module - MHEV.
15	15 A	SYNC 3 module.
16	-	Not used.
17	7.5 A	Tachograph.
18	7.5 A	Not used.
19	5 A	Battery back-up sounder.
20	5 A	Ignition switch.
21	5 A	Positive temperature coefficient heater control.
22	5 A	Pedestrian alert control module.
23	30 A	Not used.
24	30 A	Not used.
25	20 A	Driver door module.
26	30 A	Passenger door module.
27	30 A	Not used.
28	30 A	Not used.
29	15 A	Not used.
30	5 A	Not used.
31	10 A	Data link connector. Remote key receiver.
32	20 A	Radio. Telematics module.
33	-	Not used.
34	30 A	Tachograph. Message center. Positive temperature coefficient heater. Direct current/Alternating current inverter. Lane keeping system camera. Parking aid.

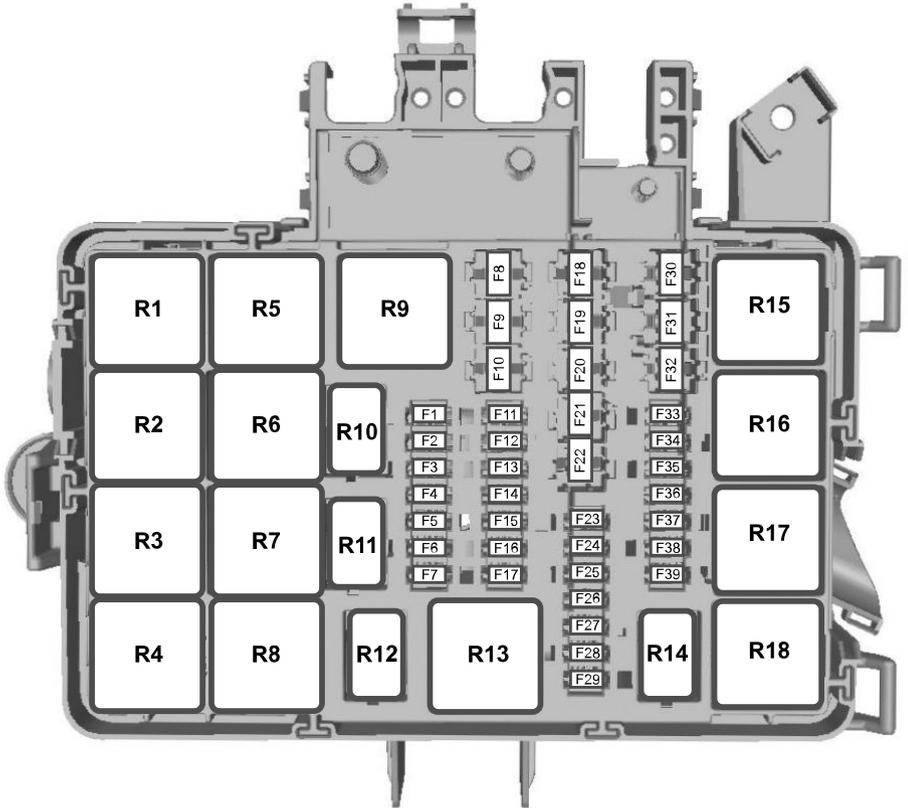
# Fuses

<b>Item</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
		Steering column.
35	5 A	Not used.
36	15 A	Parking aid. Lane keeping system camera. Steering column control module.
37	20 A	Not used.
38	30 A	Power windows.

# Fuses

## FUSE SPECIFICATION CHART - 2.2L DIESEL

### Engine Compartment Fuse Box



E148826

Fuse Location	Fuse Rating	Protected Component
F1	-	Not used.
F2	-	Not used.
F3	-	Not used.

## Fuses

<b>Fuse Location</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
F4	-	Not used.
F5	3 A	Diesel particulate filter vaporizer glow plug.
F6	3 A	Anti-lock brake system with electronic stability control.
F7	7.5 A	Powertrain control module. Telematics control unit module.
F8	-	Not used.
F9	30 A	Left-hand windshield wiper.
F10	30 A	Right-hand windshield wiper.
F11	10 A	Air conditioning clutch.
F12	20 A	Diesel particulate filter vaporizer glow plug.
F13	-	Not used.
F14	-	Not used.
F15	-	Not used.
F16	-	Not used.
F17	-	Not used.
F18	40 A	Anti-lock brake system with electronic stability control.
F19	30 A	Starter motor solenoid.
F20	60 A	Glow plugs.
F21	60 A	Ignition relay 3.
F22	30 A	Fuel fired booster heater.
F23	10 A	Not used (spare).
F24	7.5 A	Fuel pump.
F25	15 A	Not used (spare).
F26	-	Not used.
F27	-	Not used.
F28	-	Not used.

# Fuses

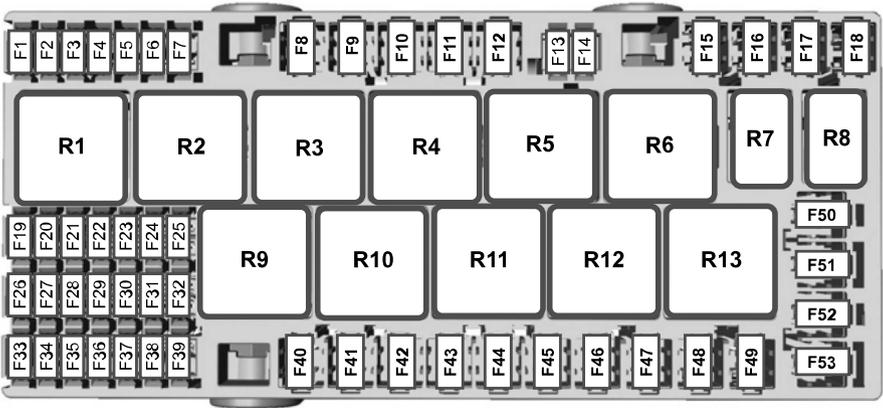
Fuse Location	Fuse Rating	Protected Component
F29	3 A	Audio unit.
F30	60 A	Low-speed cooling fan.
F31	-	Not used.
F32	60 A	Windshield wiper motor.
F33	-	Not used.
F34	-	Not used.
F35	15 A	Powertrain control module.
F36	7.5 A	Mass air flow sensor.
F37	7.5 A	Fuel volume control valve.
F38	7.5 A	Air conditioning clutch.
F39	15 A	Exhaust gas temperature sensor. Fuel vaporizer system fuel pump. Coolant bypass solenoid valve. Low-speed cooling fan. High-speed cooling fan.

Relay Number	Circuits Switched
R1	Ignition relay 3.
R2	Not used.
R3	Rear window wiper.
R4	Windshield wiper relay.
R5	Not used.
R6	Windshield wipers.
R7	Windshield wiper speed.
R8	Fuel heater.
R9	Starter motor.
R10	Air conditioning clutch.
R11	Fuel vaporizer system glow plug.

# Fuses

Relay Number	Circuits Switched
R12	Fuel pump.
R13	Not used.
R14	Not used.
R15	Low-speed cooling fan.
R16	Not used.
R17	Powertrain control module.
R18	High-speed cooling fan.

## Passenger Compartment Fuse Box



E148827

Fuse Location	Fuse Rating	Protected Component
F1	10 A	Restraints control module.
F2	-	Not used.
F3	10 A	Heated exterior mirrors.
F4	-	Not used.

# Fuses

Fuse Location	Fuse Rating	Protected Component
F5	20 A	Fuel fired booster heater.
F6	5 A	Tachograph.
F7	10 A	Adaptive cruise control.
F8	40 A	Direct current/alternating current inverter.
F9	-	Not used.
F10	30 A	Driver power seat.
F11	-	Not used.
F12	-	Not used.
F13	-	Not used.
F14	5 A	Powertrain control module.
F15	40 A	Powertrain control module.
F16	40 A	Passenger compartment fuse box.
F17	-	Not used.
F18	30 A	Anti-lock brake system with electronic stability control.
F19	5 A	Tachograph.
F20	5 A	Heated windshield relay. Heated exterior mirror relay. AC power point. Direct current/alternating current inverter.
F21	10 A	Modified vehicle connection.
F22	15 A	Passenger compartment fuse box.
F23	7.5 A	Climate control.
F24	5 A	Headlamp leveling.
F25	7.5 A	Interior lighting.
F26	10 A	Heated seats.
F27	10 A	Heated seats.
F28	20 A	Cornering lamps.

# Fuses

Fuse Location	Fuse Rating	Protected Component
F29	10 A	Rear view camera. Interior rear view mirror. Lane keeping system.
F30	5 A	Adaptive cruise control.
F31	-	Not used.
F32	10 A	Interior lamp.
F33	-	Not used.
F34	20 A	Rear window wiper.
F35	5 A	Power folding mirrors.
F36	20 A	Horn.
F37	7.5 A	Not used (spare).
F38	5 A	Windshield wiper relay. Rear window wiper relay. Horn relay. Blower motor relay.
F39	7.5 A	Power windows. Rear heating, ventilation and air conditioning. Remote keyless entry.
F40	40 A	Blower motor.
F41	40 A	Rear blower motor.
F42	30 A	Heated rear window.
F43	30 A	Trailer module.
F44	60 A	Auxiliary power points.
F45	-	Not used.
F46	30 A	Power windows.
F47	20 A	Cigar lighter.
F48	20 A	Rear auxiliary power points.
F49	20 A	Front auxiliary power points.
F50	60 A	Ignition relay 1.

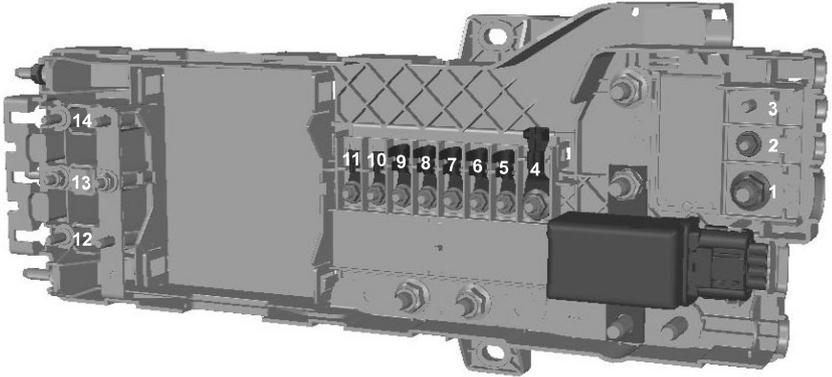
# Fuses

<b>Fuse Location</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
F51	60 A	Ignition relay 2.
F52	40 A	Left-hand heated windshield element.
F53	40 A	Right-hand heated windshield element.

<b>Relay Number</b>	<b>Circuits Switched</b>
R1	Fuel fired booster heater.
R2	Auxiliary power points.
R3	Not used.
R4	Ignition relay 2.
R5	Not used.
R6	Ignition relay 1.
R7	Horn.
R8	Not used.
R9	Blower motor.
R10	Rear blower motor.
R11	Heated rear window. Heated exterior mirrors.
R12	Right-hand heated windshield element.
R13	Left-hand heated windshield element.

# Fuses

## Pre-fuse Box

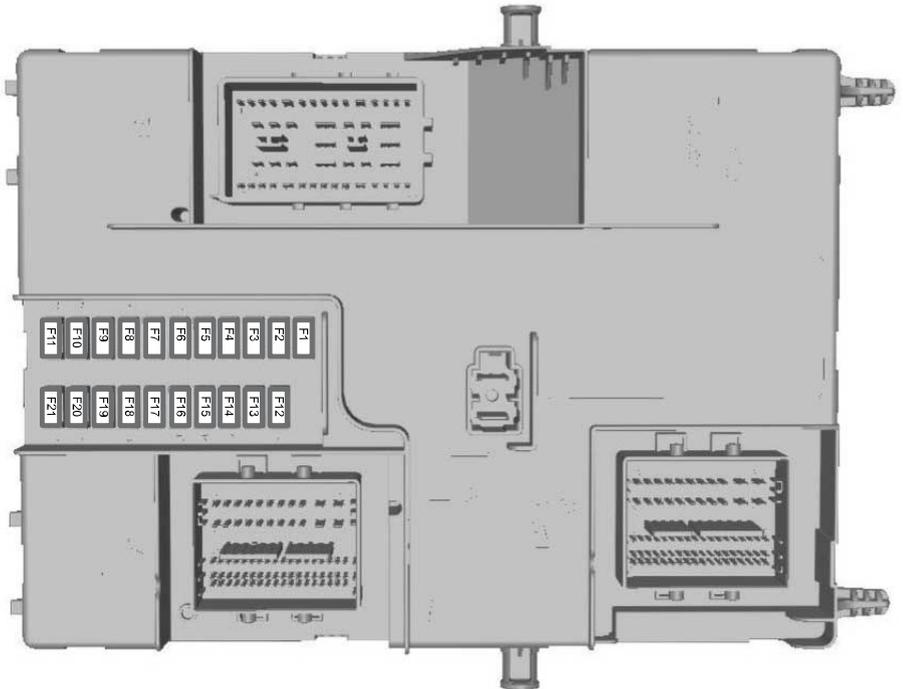


E148828

Fuse Location	Fuse Rating	Protected Component
F1	470 A	Alternator. Starter motor. Engine junction box.
F2	100 A	Passenger compartment fuse box.
F3	-	Not used.
F4	200 A	Auxiliary junction box.
F5	100 A	Auxiliary junction box.
F6	80 A	Electric booster heater.
F7	80 A	Heated windshield relay.
F8	100 A	Engine junction box.
F9	100 A	Auxiliary junction box.
F10	60 A	Passenger compartment fuse box.
F11	60 A	Passenger compartment fuse box.
F12	60 A	Modified vehicle connection.
F13	60 A	Modified vehicle connection.
F14	60 A	Modified vehicle connection.

# Fuses

## Body Control Module



E148830

Fuse Location	Fuse Rating	Protected Component
F1	15 A	Central locking system.
F2	15 A	Central locking system.
F3	15 A	Ignition switch. Auxiliary battery.
F4	5 A	Parking assist control module.
F5	5 A	Rain sensor module. Autolamps.

# Fuses

<b>Fuse Location</b>	<b>Fuse Rating</b>	<b>Protected Component</b>
F6	15 A	Windshield washer pump.
F7	7.5 A	Exterior mirrors.
F8	15 A	Front fog lamps.
F9	10 A	Right-hand high beam.
F10	10 A	Left-hand high beam.
F11	25 A	Right-hand exterior lamps. Left-hand side lamps.
F12	20 A	Anti-theft alarm horn. Battery back-up sounder.
F13	15 A	Data link connector. Auxiliary power point relay. Interior lighting.
F14	25 A	Daytime running lamps. Direction indicators. Rear fog lamp.
F15	25 A	Left-hand exterior lamps. Right-hand side lamps. High mounted stoplamp.
F16	20 A	Audio control.
F17	7.5 A	Blower motor. Instrument cluster. Climate control.
F18	10 A	Lighting control. Steering wheel module.
F19	5 A	Front control/display interface module.
F20	5 A	Passive anti-theft system. Ignition.
F21	3 A	Audio control. Accessory delay.

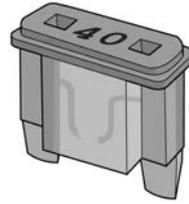
# Fuses

## CHANGING A FUSE

### Fuses



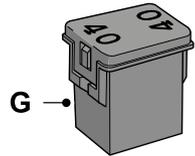
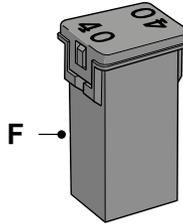
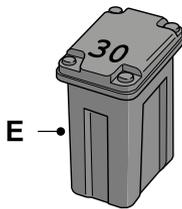
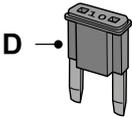
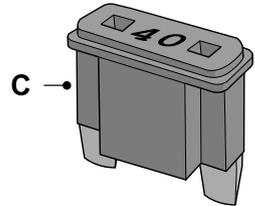
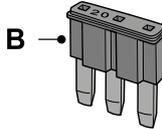
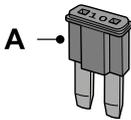
**WARNING:** Always replace a fuse with one that has the specified amperage rating. Using a fuse with a higher amperage rating can cause severe wire damage and could start a fire.



E217331

If electrical components in the vehicle are not working, a fuse may have blown. Blown fuses are identified by a broken wire within the fuse. Check the appropriate fuses before replacing any electrical components.

### Fuse Types



E207206

Callout	Fuse Type
A	Micro 2
B	Micro 3
C	Maxi
D	Mini

# Fuses

---

<b>Callout</b>	<b>Fuse Type</b>
E	M Case
F	J Case
G	J Case Low Profile

# Maintenance

## GENERAL INFORMATION



**WARNING:** Do not work on a hot engine.



**WARNING:** Switch the ignition off and apply the parking brake.



**WARNING:** Do not touch the electronic ignition system parts after you have switched the ignition on or when the engine is running. The system operates at high voltage. Failure to adhere to this warning could result in serious personal injury or death.



**WARNING:** Keep your hands and clothing clear of the engine cooling fan.



**WARNING:** If your vehicle has self-leveling air suspension, you must switch the system off before carrying out any maintenance or repair. Failure to follow this warning could result in serious personal injury or death.

Under certain conditions, the engine cooling fan may continue to run for several minutes after you switch your vehicle off. See **Engine Cooling Fan** (page 312).

Make sure that you fit filler caps securely after carrying out maintenance checks.

In addition to regular servicing, we recommend that you carry out the following checks.

### Check Daily

- Exterior lamps.
- Interior lamps.
- Warning lamps and indicators.

### Check When Refueling

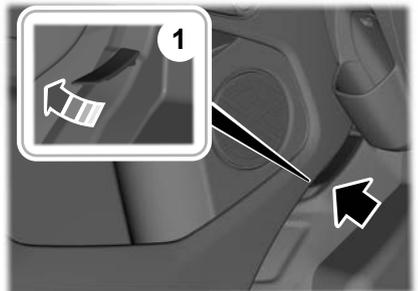
- Washer fluid level. See **Washer Fluid Check** (page 319).
- Tire pressures. See **Tire Pressures** (page 355).
- Tire condition. See **Tire Care** (page 344).

### Check Monthly

- Engine oil level. See **Engine Oil Check** (page 310).
- Engine coolant level. See **Engine Coolant Check** (page 312).
- Brake fluid level. See **Brake Fluid Check** (page 315).
- Pipes, hoses and reservoirs for leaks.
- Air conditioning operation.
- Parking brake operation.
- Horn operation.
- Wheel Lug Nut Torque. See **Lug Nuts** (page 363).

## OPENING AND CLOSING THE HOOD - RHD

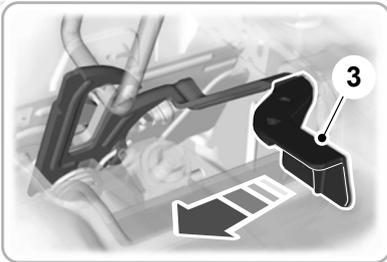
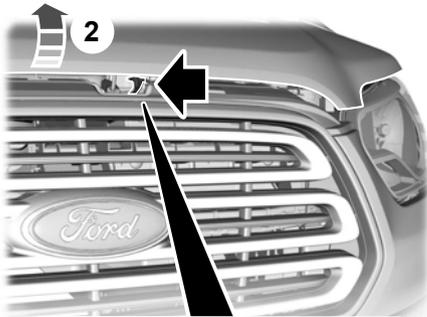
### Opening the Hood



E251852

1. Open the left-hand front door and pull the hood release handle up.

# Maintenance



E217707

2. Slightly lift the hood.
3. Move the catch to the left.
4. Open the hood.

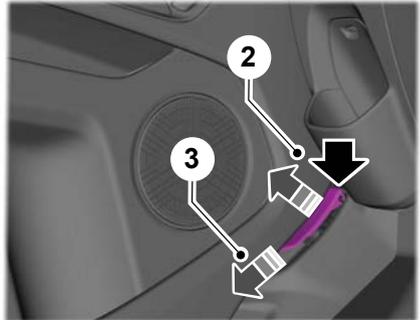


E87786

5. Support the hood with the strut.

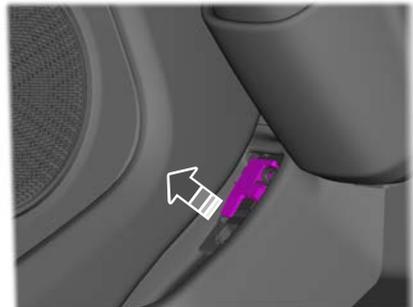
## Opening the Hood if the Vehicle Battery has no Charge

1. Unlock the right-hand front door using the key and access the left-hand front footwell. See **Locking and Unlocking** (page 56).



E251853

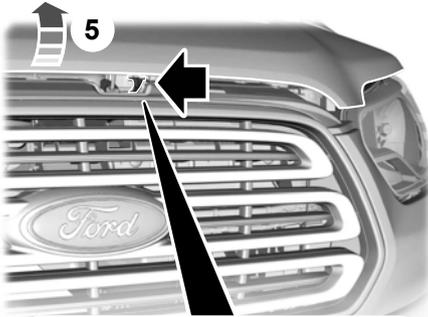
2. Remove the hood release handle by carefully prying it upward in the position shown.
3. Slide the hood release handle down to remove it from the hood release lever.



E251854

4. Pull the hood release lever up.

# Maintenance



E252070

5. Slightly lift the hood.
6. Move the catch to the left.
7. Open the hood.



E87786

8. Support the hood with the strut.

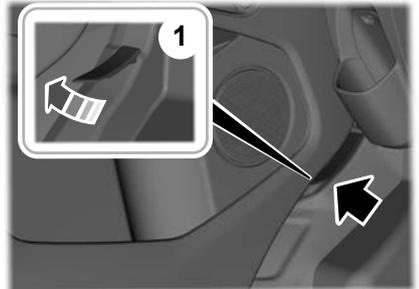
## Closing the Hood

1. Remove the strut from the catch and secure it correctly in the clip.
2. Lower the hood and allow it to drop under its own weight for the last 20–30 cm (8–12 in).

**Note:** Make sure that the hood is correctly closed.

## OPENING AND CLOSING THE HOOD - LHD

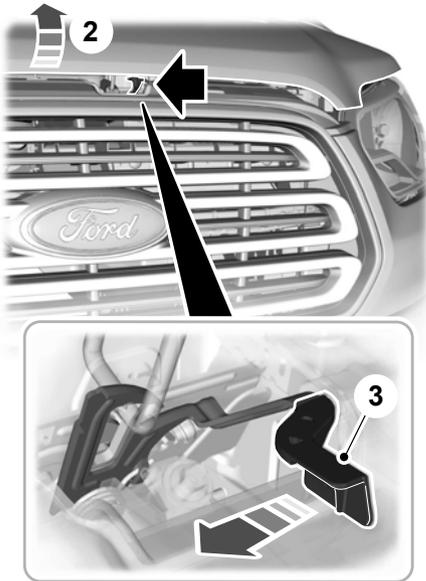
### Opening the Hood



E251852

1. Open the left-hand front door and pull the hood release handle up.

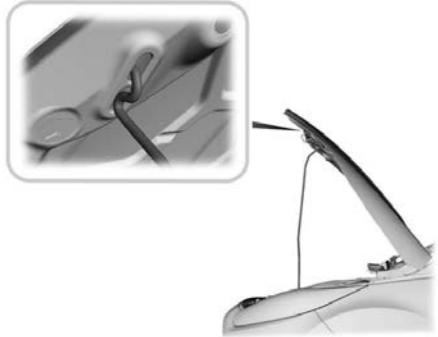
# Maintenance



E217707

2. Slightly lift the hood.
3. Move the catch to the left.

4. Open the hood.



E87786

5. Support the hood with the strut.

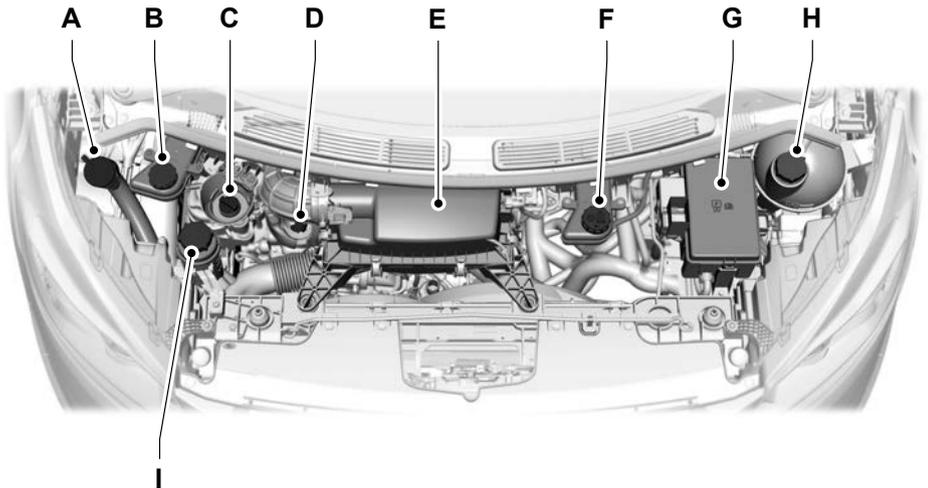
## Closing the Hood

1. Remove the strut from the catch and secure it correctly in the clip.
2. Lower the hood and allow it to drop under its own weight for the last 20–30 cm (8–12 in).

**Note:** Make sure that the hood is correctly closed.

# Maintenance

## UNDER HOOD OVERVIEW - 2.0L ECOBLUE

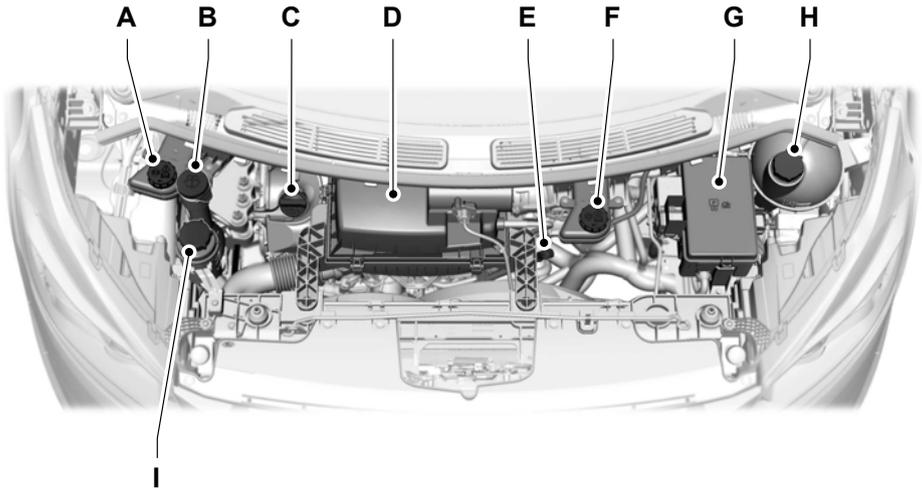


E221303

- A Washer fluid reservoir. See **Washer Fluid Check** (page 319).
- B Brake and clutch fluid reservoir (right-hand drive). See **Brake Fluid Check** (page 315). See **Clutch Fluid Check** (page 316).
- C Engine oil filler cap. See **Engine Oil Check** (page 310).
- D Engine oil dipstick. See **Engine Oil Dipstick** (page 310).
- E Air filter assembly.
- F Brake and clutch fluid reservoir (left-hand drive). See **Brake Fluid Check** (page 315). See **Clutch Fluid Check** (page 316).
- G Engine compartment fusebox. See **Fuses** (page 265).
- H Engine coolant reservoir. See **Engine Coolant Check** (page 312).
- I Power steering fluid reservoir. See **Power Steering Fluid Check** (page 316).

# Maintenance

## UNDER HOOD OVERVIEW - 2.2L DIESEL

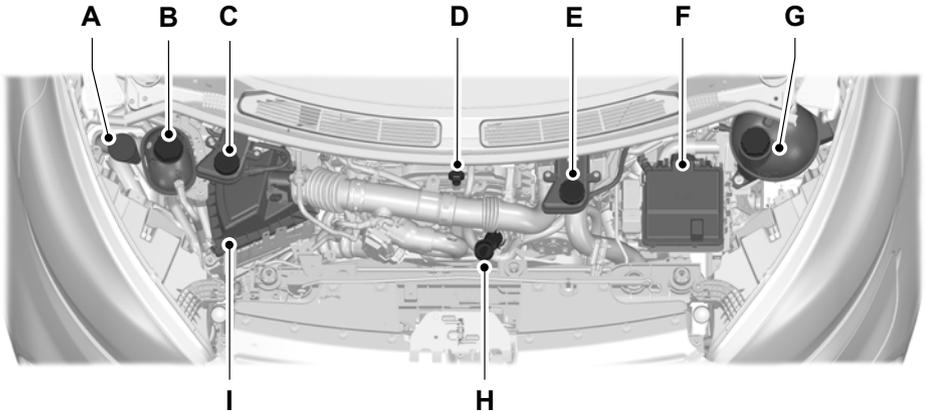


E146432

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake Fluid Check** (page 315). See **Clutch Fluid Check** (page 316).
- B Washer fluid reservoir. See **Washer Fluid Check** (page 319).
- C Engine oil filler cap. See **Engine Oil Check** (page 310).
- D Air filter assembly.
- E Engine oil dipstick. See **Engine Oil Dipstick** (page 310).
- F Brake and clutch fluid reservoir (left-hand drive). See **Brake Fluid Check** (page 315). See **Clutch Fluid Check** (page 316).
- G Engine compartment fusebox. See **Fuses** (page 265).
- H Engine coolant reservoir. See **Engine Coolant Check** (page 312).
- I Power steering fluid reservoir. See **Power Steering Fluid Check** (page 316).

# Maintenance

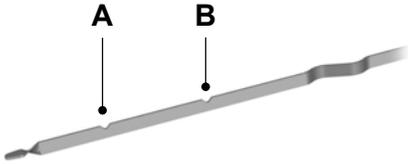
## UNDERHOOD OVERVIEW - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



- A Washer fluid reservoir. See **Washer Fluid Check** (page 319).
- B Electric motor coolant reservoir. See **Coolant Check** (page 314).
- C Brake fluid reservoir (right-hand drive). See **Brake Fluid Check** (page 315).
- D Engine oil dipstick. See **Engine Oil Dipstick** (page 310).
- E Brake fluid reservoir (left-hand drive). See **Brake Fluid Check** (page 315).
- F Engine compartment fusebox. See **Fuses** (page 265).
- G Engine coolant reservoir. See **Coolant Check** (page 314).
- H Engine oil filler cap. See **Engine Oil Check** (page 310).
- I Air filter assembly.

# Maintenance

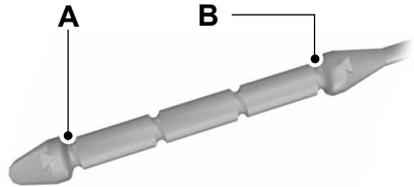
## ENGINE OIL DIPSTICK - 1.0L ECOBOOST™



E141337

- A Minimum.
- B Maximum.

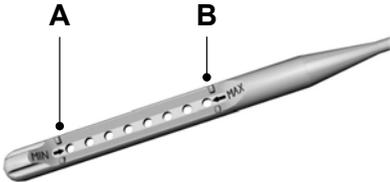
## ENGINE OIL DIPSTICK - 2.2L DIESEL



E90983

- A Minimum.
- B Maximum.

## ENGINE OIL DIPSTICK - 2.0L ECOBLUE



E226469

- A Minimum.
- B Maximum.

## ENGINE OIL CHECK

1. Make sure that your vehicle is on level ground.
2. Check the oil level before starting the engine, or switch the engine off and wait 10 minutes for the oil to drain into the oil pan.
3. Remove the dipstick and wipe it with a clean, lint-free cloth.
4. Reinstall the dipstick and make sure it is fully seated.
5. Remove the dipstick again to check the oil level.

**Note:** *If the oil level is between the maximum and minimum marks, the oil level is acceptable. Do not add oil.*

6. If the oil level is at the minimum mark, immediately add oil.
7. Reinstall the dipstick. Make sure it is fully seated.

**Note:** *The oil consumption of new engines reaches its normal level after approximately 5,000 km (3,000 mi).*

# Maintenance

## Adding Engine Oil



**WARNING:** Do not add engine oil when the engine is hot. Failure to follow this instruction could result in personal injury.



**WARNING:** Do not remove the filler cap when the engine is running.

Do not use supplemental engine oil additives because they are unnecessary and could lead to engine damage that the vehicle warranty may not cover.

1. Clean the area surrounding the engine oil filler cap before you remove it.
2. Remove the engine oil filler cap.
3. Add engine oil that meets our specifications. See **Capacities and Specifications** (page 367).
4. Reinstall the engine oil filler cap. Turn it clockwise until you feel a strong resistance.

**Note:** Do not add oil further than the maximum mark. Oil levels above the maximum mark may cause engine damage.

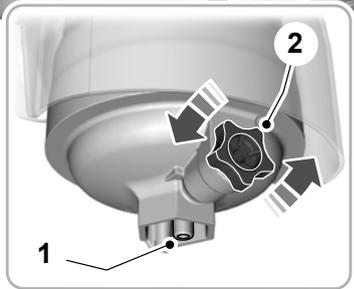
**Note:** Immediately soak up any oil spillage with an absorbent cloth.

## DRAINING THE FUEL FILTER WATER TRAP - 2.0L DIESEL



**WARNING:** Do not dispose of fuel in the household refuse or the public sewage system. Use an authorized waste disposal facility.

To drain the fuel filter water trap, access the underside of your vehicle.



E223800

1. Attach a tube to the drain plug and place the end of the tube into a suitable container.
2. Loosen the drain plug one to two turns and allow the water to drain.
3. Tighten the drain plug until you feel a strong resistance.



When you start the engine the water in fuel indicator lamp turns off after a short period of time.

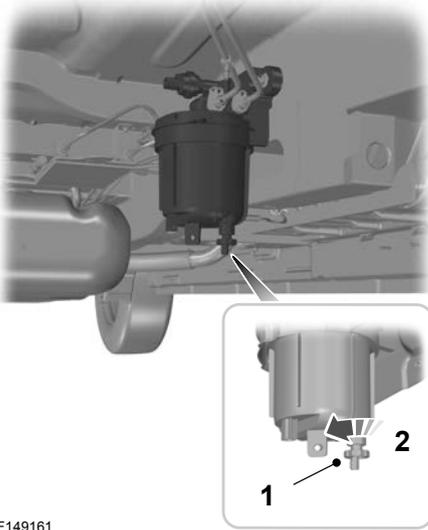
## DRAINING THE FUEL FILTER WATER TRAP - 2.2L DIESEL



**WARNING:** Do not dispose of fuel in the household refuse or the public sewage system. Use an authorized waste disposal facility.

# Maintenance

To drain the fuel filter water trap, access the underside of your vehicle.



E149161

1. Attach a tube to the drain plug and place the end of the tube into a suitable container.
2. Loosen the drain plug one to two turns and allow the water to drain.

**Note:** *The drain plug rises when you loosen it.*

3. Tighten the drain plug until you feel a strong resistance.



When you start the engine the water in fuel indicator lamp turns off after a short period of time.

## ENGINE COOLING FAN - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Keep your hands and clothing clear of the engine cooling fan.

Under certain conditions, the engine cooling fan may continue to run for several minutes after you switch your vehicle off.

## ENGINE COOLING FAN - DIESEL



**WARNING:** Keep your hands and clothing clear of the engine cooling fan.

Under certain conditions, the engine cooling fan may continue to run for several minutes after you switch your vehicle off. This could happen in low ambient temperatures and independent of the engine coolant temperature, for example short journeys or low coolant temperature. See **Diesel Particulate Filter** (page 168).

## ENGINE COOLANT CHECK - DIESEL



**WARNING:** Do not dispose of coolant in the household refuse or the public sewage system. Use an authorized waste disposal facility.



**WARNING:** Do not put coolant in the windshield washer reservoir. If sprayed on the windshield, coolant could make it difficult to see through the windshield.

# Maintenance



Make sure that the coolant level is between the **MIN** and **MAX** marks on the coolant reservoir at ambient temperature. If the coolant level is at or below the minimum mark, immediately add coolant.

The coolant concentration should be maintained within 48% to 50%, which equates to a freeze point between  $-34^{\circ}\text{C}$  ( $-29^{\circ}\text{F}$ ) and  $-37^{\circ}\text{C}$  ( $-35^{\circ}\text{F}$ ).

**Note:** Coolant expands when it is hot. The level may extend beyond the **MAX** mark.

**Note:** Do not use stop leak pellets, cooling system sealants, or non-specified additives as they can cause damage to the engine cooling or heating systems.

## Adding Coolant

**⚠ WARNING:** Do not remove the coolant reservoir cap when the engine is on or the cooling system is hot. Wait 10 minutes for the cooling system to cool down. Cover the coolant reservoir cap with a thick cloth to prevent the possibility of scalding and slowly remove the cap. Failure to follow this instruction could result in personal injury.

**⚠ WARNING:** Do not allow the fluid to touch your skin or eyes. If this happens, rinse the affected areas immediately with plenty of water and contact your physician.

**⚠ WARNING:** Undiluted coolant is flammable and may ignite if spilled on a hot exhaust.

We do not recommend the use of recycled engine coolant since a Ford-approved recycling process is not yet available.

Do not mix different colors or types of coolant in your vehicle.

**Note:** Add a 50/50 mixture of antifreeze and water or prediluted engine coolant that meets the correct specification.

**Note:** Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by the vehicle Warranty. See **Capacities and Specifications** (page 367).

To top up the coolant level do the following:

1. Remove the coolant reservoir cap.
2. Add coolant to the **MAX** mark, do not overfill.
3. Replace the coolant reservoir cap. Turn it clockwise until you feel a strong resistance.

# Maintenance

In case of emergency, you can add water without engine coolant in order to reach a vehicle service location.

**Note:** *Prolonged use of an incorrect dilution of coolant can cause damage, for example corrosion, overheating or freezing.*

## COOLANT CHECK - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)



**WARNING:** Do not dispose of coolant in the household refuse or the public sewage system. Use an authorized waste disposal facility.



**WARNING:** Do not put coolant in the windshield washer reservoir. If sprayed on the windshield, coolant could make it difficult to see through the windshield.

Your vehicle is equipped with two separate cooling systems. One is for cooling the engine and one is for cooling the electric motor. The two systems operate similarly, with the electric motor cooling system generally operating at a lower temperature and pressure.



Make sure that the coolant level is between the **MIN** and **MAX** marks on both engine and electric motor coolant reservoirs at ambient temperature. If the coolant level is at or below the minimum mark, immediately add coolant.

The coolant concentration should be maintained within 48% to 50%, which equates to a freeze point between  $-34^{\circ}\text{C}$  ( $-29^{\circ}\text{F}$ ) and  $-37^{\circ}\text{C}$  ( $-35^{\circ}\text{F}$ ).

**Note:** *Coolant expands when it is hot. The level may extend beyond the **MAX** mark.*

**Note:** *Do not use stop leak pellets, cooling system sealants, or non-specified additives as they can cause damage to the engine cooling or heating systems.*

# Maintenance

## Adding Coolant



**WARNING:** Do not remove the coolant reservoir cap when the engine is on or the cooling system is hot. Wait 10 minutes for the cooling system to cool down. Cover the coolant reservoir cap with a thick cloth to prevent the possibility of scalding and slowly remove the cap. Failure to follow this instruction could result in personal injury.



**WARNING:** Do not allow the fluid to touch your skin or eyes. If this happens, rinse the affected areas immediately with plenty of water and contact your physician.



**WARNING:** Undiluted coolant is flammable and may ignite if spilled on a hot exhaust.

We do not recommend the use of recycled engine coolant since a Ford-approved recycling process is not yet available.

Do not mix different colors or types of coolant in your vehicle.

**Note:** Add a 50/50 mixture of antifreeze and water or prediluted engine coolant that meets the correct specification.

**Note:** Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by the vehicle Warranty. See **Capacities and Specifications** (page 386). See **Capacities and Specifications** (page 386).

To top up the coolant level do the following:

1. Remove the coolant reservoir cap.
2. Add coolant to the **MAX** mark, do not overfill.

3. Replace the coolant reservoir cap. Turn it clockwise until you feel a strong resistance.

In case of emergency, you can add water without engine coolant in order to reach a vehicle service location.

**Note:** Prolonged use of an incorrect dilution of coolant can cause damage, for example corrosion, overheating or freezing.

## BRAKE FLUID CHECK



**WARNING:** Do not use any fluid other than the recommended brake fluid as this will reduce brake efficiency. Use of incorrect fluid could result in the loss of vehicle control, serious personal injury or death.



**WARNING:** Only use brake fluid from a sealed container. Contamination with dirt, water, petroleum products or other materials may result in brake system damage or failure. Failure to adhere to this warning could result in the loss of vehicle control, serious personal injury or death.



**WARNING:** Do not allow the fluid to touch your skin or eyes. If this happens, rinse the affected areas immediately with plenty of water and contact your physician.



**WARNING:** A fluid level between the **MAX** and **MIN** lines is within the normal operating range and there is no need to add fluid. A fluid level not in the normal operating range could compromise the performance of the system. Have your vehicle checked immediately.

# Maintenance



To avoid fluid contamination, the reservoir cap must remain in place and fully tight, unless you are adding fluid.

Only use fluid that meets Ford specifications. See **Capacities and Specifications** (page 367).

## CLUTCH FLUID CHECK - MANUAL TRANSMISSION

The clutch and brake systems share the same fluid reservoir. See **Brake Fluid Check** (page 315).

## POWER STEERING FLUID CHECK - 2.2L DIESEL



**WARNING:** Do not allow the fluid to touch your skin or eyes. If this happens, rinse the affected areas immediately with plenty of water and contact your physician.

If the power steering fluid level is below the **MAX** mark, add power steering fluid that meets the correct specification. See **Capacities and Specifications** (page 374). See **Capacities and Specifications** (page 380).

## Adding Power Steering Fluid

1. Remove the power steering fluid reservoir filler cap. See **Under Hood Overview** (page 307). See **Under Hood Overview** (page 307).
2. Add power steering fluid to the **MAX** mark, do not overfill.
3. Replace the power steering fluid reservoir filler cap. Turn it clockwise until you feel a strong resistance.

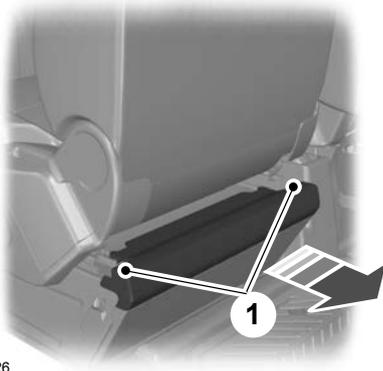
## CHANGING THE 12V BATTERY

The battery is under the driver seat.

**Note:** *If you have power seats and the battery has no charge, jump-start your vehicle to move the seat. See **Jump Starting the Vehicle** (page 257).*

# Maintenance

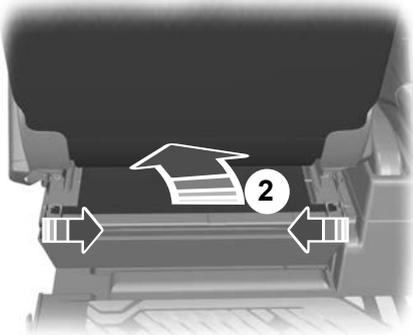
## Removing the Battery



E152526

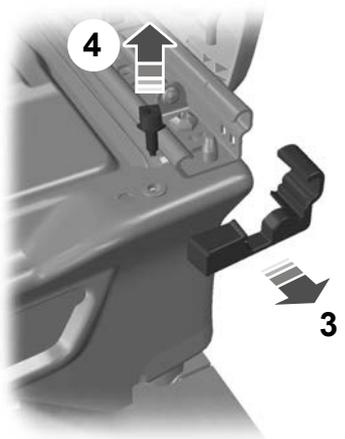
1. Fully raise the driver seat and move it fully forward. Pull the tabs upward and remove the cover.

**Note:** Your vehicle may not have this cover.



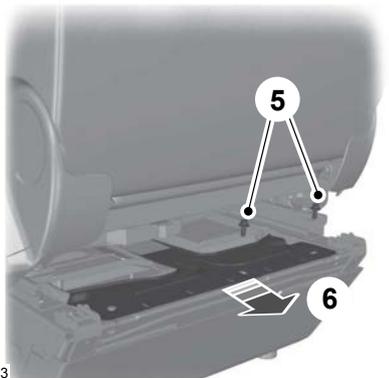
E152529

2. Unhook the cover and tuck it under the seat.



E146781

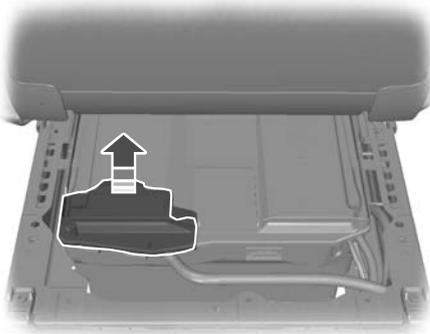
3. Remove both seat track end caps.
- Note:** Your vehicle may not have these end caps.
4. Remove both seat adjustment end stop bolts at the front of the seat.



E146773

5. Remove the battery clamp and cover bolts.
6. Remove the battery clamp and cover.

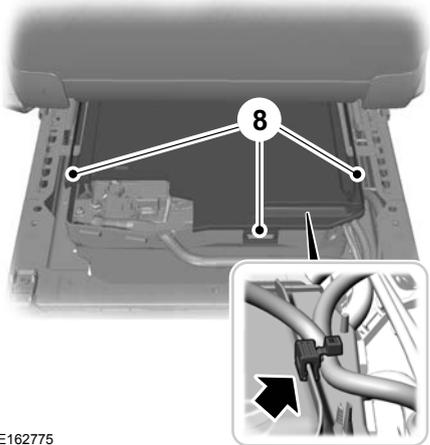
# Maintenance



E162774

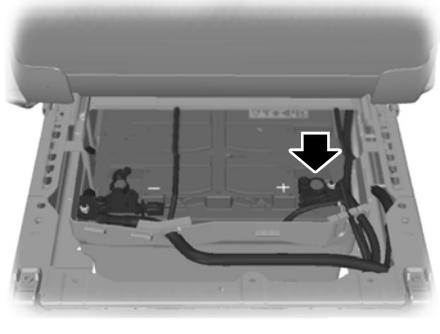
7. Remove the battery terminal cover and remove the negative (-) terminal.

**Note:** Single batteries could be mounted the opposite way around in the battery tray. The negative terminal is toward the rear of your vehicle.



E162775

8. Release the retaining clips and remove the cover.
9. Remove the cable securing clips from the cover.



E162776

10. Remove the positive (+) terminal and remove the battery.

**Note:** Batteries are heavy.

11. Move the second battery toward the rear of your vehicle and remove the negative (-) terminal.
12. Remove the positive (+) terminal and remove the battery.

## Replacing the Battery



**WARNING:** Make sure that you securely fasten the seat runner bolts before installing the covers.

You must replace the battery with one of exactly the same specification.

To install, reverse the removal procedure.

**Note:** Make sure that you correctly install the battery terminal covers, battery cover and battery cable clips.

# Maintenance

## FUEL FILTER SERVICE INDICATOR CHECK - 2.0L ECOBLUE/2.2L DIESEL



If the warning lamp illuminates when the engine is running this indicates there is excess water in the fuel filter.

This occurs when approximately 200 ml (7 fl oz) of water accumulates in the fuel filter water trap. Have your vehicle checked as soon as possible.

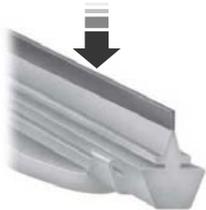
Alternatively you can drain the fuel filter water trap. See **Draining the Fuel Filter Water Trap** (page 311).

## WASHER FLUID CHECK

When adding fluid, use a mixture of washer fluid and water to help prevent freezing in cold weather and improve the cleaning capability. For information on fluid dilution, refer to the product instructions. We recommend that you only use high quality washer fluid.

**Note:** *The reservoir supplies the front and rear washer systems.*

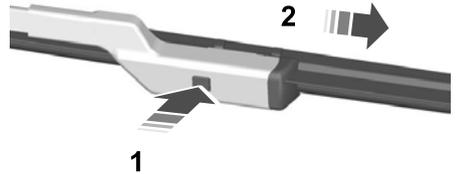
## CHECKING THE WIPER BLADES



Run the tip of your fingers over the edge of the blade to check for roughness.

Clean the wiper blades with washer fluid or water applied with a soft sponge or cloth.

## CHANGING THE FRONT WIPER BLADES



1. Lift the wiper arm. Press the wiper blade locking button.

**Note:** *Do not hold the wiper blade when lifting the wiper arm.*

2. Remove the wiper blade.

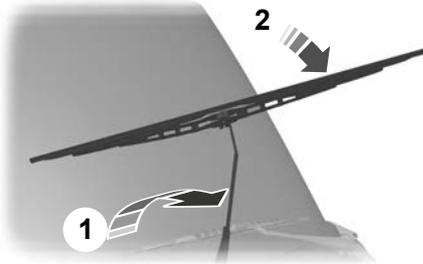
**Note:** *Make sure that the wiper arm does not spring back against the glass when the wiper blade is not attached.*

3. To install, reverse the removal procedure.

**Note:** *Make sure that the wiper blade locks into place.*

# Maintenance

## CHANGING THE REAR WIPER BLADES (IF EQUIPPED)

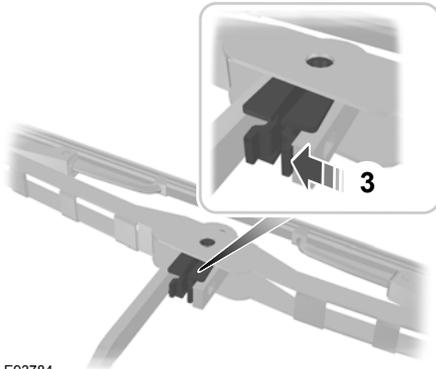


E93783

1. Lift the wiper arm.

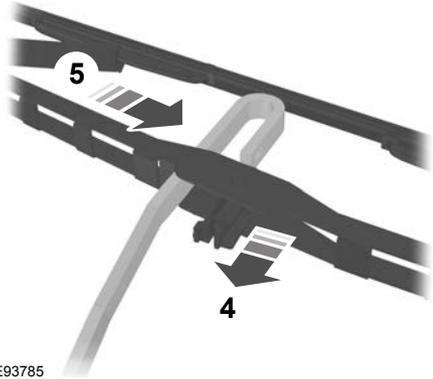
**Note:** Do not hold the wiper blade when lifting the wiper arm.

2. Slightly rotate the wiper blade.



E93784

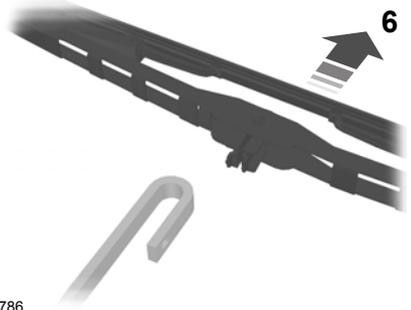
3. Press the wiper blade locking clip.



E93785

4. Disengage the wiper blade from the wiper arm.

5. Move the wiper blade to the side.



E93786

6. Remove the wiper blade.

**Note:** Make sure that the wiper arm does not spring back against the glass when the wiper blade is not attached.

7. To install, reverse the removal procedure.

**Note:** Make sure that the wiper blade locks into place.

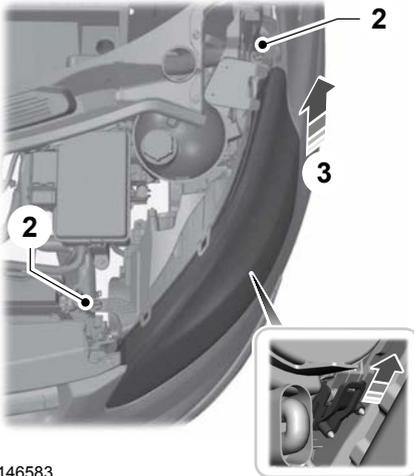
# Maintenance

## REMOVING A HEADLAMP

**WARNING:** Switch the lamps and the ignition off. Failure to follow this warning could result in serious personal injury.

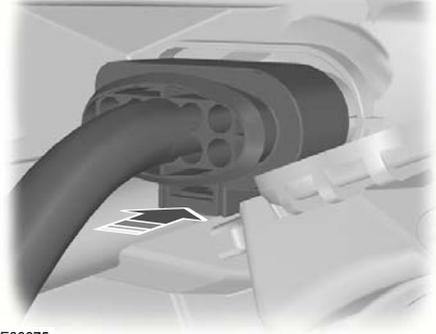
**WARNING:** Lamps and associated components become hot when in use. Let them cool down before you remove them.

1. Open the hood. See **Opening and Closing the Hood** (page 305).



E146583

2. Remove the screws.
3. Push the headlamp toward the rear of your vehicle and upward to disengage the locating points.



E88875

4. Disconnect the electrical connector.
5. To install, reverse the removal procedure.

**Note:** Make sure that you correctly attach the electrical connector.

**Note:** Make sure that you correctly engage the locating points.

## CHANGING A BULB-VEHICLES WITH: HALOGEN HEADLAMPS

**WARNING:** Lamps and associated components become hot when in use. Let them cool down before you remove them.

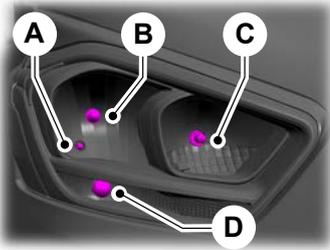
**WARNING:** Switch the lamps and the ignition off. Failure to follow this warning could result in serious personal injury.

Only fit bulbs of the correct specification. See **Bulb Specification Chart** (page 389).

**Note:** We recommend that you see an authorized dealer to change the bulbs if your vehicle has air conditioning.

# Maintenance

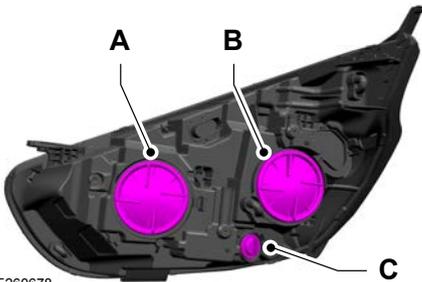
## Headlamp



E260595

- A Front position lamps.
- B Headlamp low beam.
- C Headlamp high beam. Daytime running lamps.
- D Front direction indicator.

You may have to remove the headlamp assembly prior to replacing a bulb. See **Removing a Headlamp** (page 321).



E260678

- A Headlamp high beam. Daytime running lamps.
- B Headlamp low beam. Front position lamps.
- C Front direction indicator.

## Front Position Lamp

1. Carefully remove the cover.
2. Remove the bulb holder by pulling it straight out.
3. Remove the bulb by pulling it straight out.
4. To install, reverse the removal procedure.

## Front Direction Indicator

1. Turn the bulb holder counterclockwise and remove it.
2. Press the bulb in and turn the bulb counterclockwise to remove it.
3. To install, reverse the removal procedure.

## Headlamp Low Beam

1. Carefully remove the cover.
2. Press down on the electrical connector to release the bulb.
3. Disconnect the electrical connector.
4. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

## Headlamp High Beam and Daytime Running Lamp

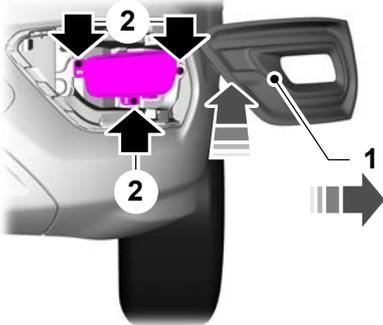
1. Carefully remove the cover.
2. Turn the bulb holder counterclockwise and remove it.
3. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

**Note:** You cannot separate the bulb from the bulb holder.

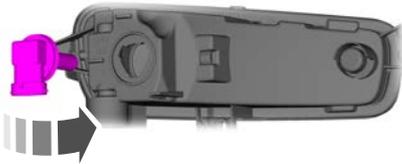
# Maintenance

## Front Fog Lamps



E256126

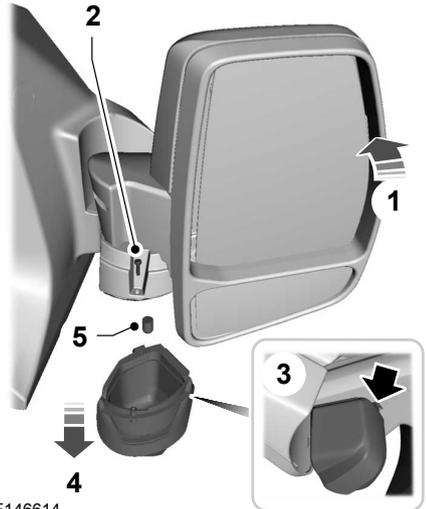
1. Gently press the fog lamp trim inward and then slide it toward the outer edge of the bumper.
2. Remove the screws that secure the lamp assembly.
3. Remove the lamp.
4. Disconnect the electrical connector.



E256280

5. Turn the bulb holder counterclockwise and remove it.
- Note:** You cannot separate the bulb from the bulb holder.
6. To install, reverse the removal procedure.

## Side Repeater

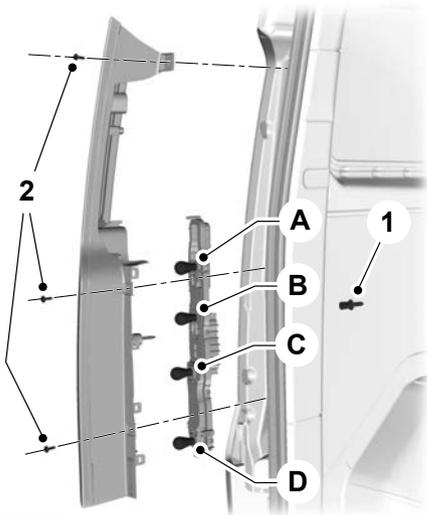


E146614

1. Fold the mirror fully forward.
2. Remove the screw.
3. Using a screwdriver, gently pry the clip to release the lamp.
4. Remove the lamp.
5. Remove the bulb holder by pulling it straight out.
6. Remove the bulb by pulling it straight out.
7. To install, reverse the removal procedure.

# Maintenance

## Rear Lamp

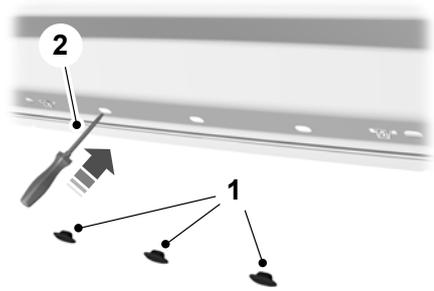


E146621

- A Rear lamp and stoplamp.
- B Rear direction indicator.
- C Reversing lamp.
- D Rear fog lamp.

1. Remove the wing nut.
2. Remove the screws.
3. Remove the lamp and unclip the bulb holder.
4. Press the bulb in and turn the bulb counterclockwise to remove it.

## Central High Mounted Stoplamp

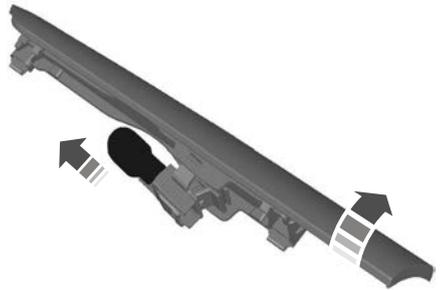


E162641

1. Remove the rubber grommets.

**Note:** You may need to remove a trim panel first.

2. Using a screwdriver, gently pry the clip to release the lamp.

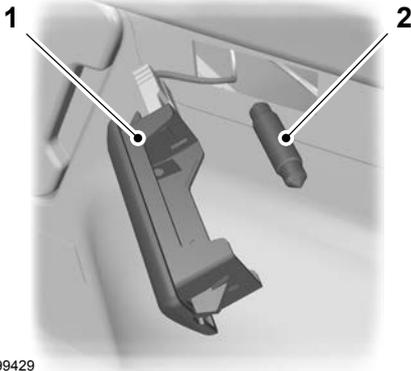


E146638

3. Remove the lamp.
4. Remove the bulb by pulling it straight out.

# Maintenance

## License Plate Lamp

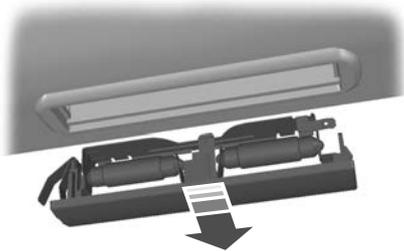


E99429

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Remove the bulb.

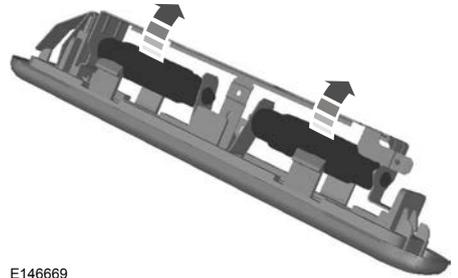
## Interior Lamp

### Entrance Lamps



E154369

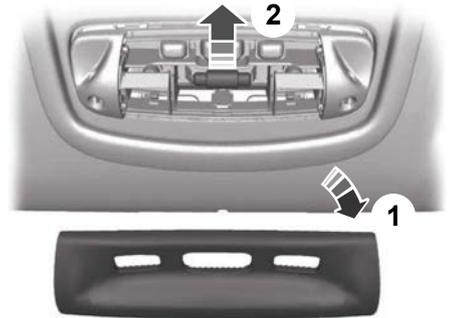
1. Using a screwdriver, gently pry the clip to release the lamp.



E146669

2. Remove the bulb.

## Vehicles with Interior Sensors

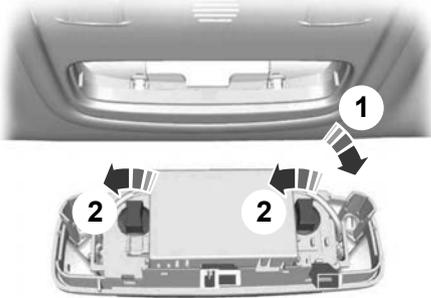


E154370

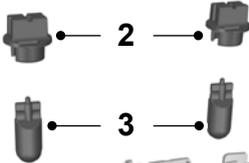
1. Remove the lamp lens.
2. Remove the bulb.

# Maintenance

## Reading Lamps



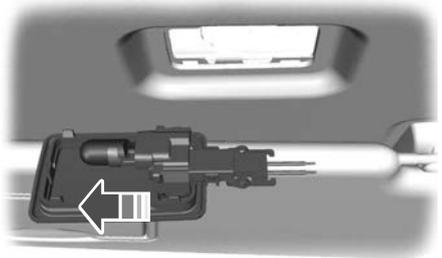
E72786



E99453

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Turn the bulb holder counterclockwise and remove it.
3. Remove the bulb by pulling it straight out.

## Vanity Mirror Lamp



E72785

1. Remove the lamp.
2. Remove the bulb by pulling it straight out.

## CHANGING A BULB-VEHICLES WITH: HALOGEN PROJECTOR HEADLAMPS

**WARNING:** Switch the lamps and the ignition off. Failure to follow this warning could result in serious personal injury.

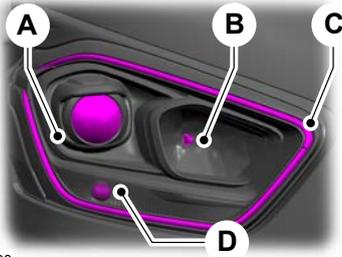
**WARNING:** Lamps and associated components become hot when in use. Let them cool down before you remove them.

Only fit bulbs of the correct specification. See **Bulb Specification Chart** (page 390).

**Note:** We recommend that you see an authorized dealer to change the bulbs if your vehicle has air conditioning.

# Maintenance

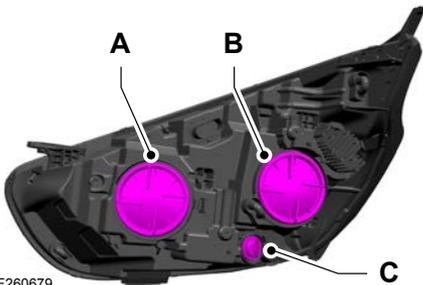
## Headlamp



E260596

- A Headlamp low beam.
- B Headlamp high beam.
- C Daytime running lamps. Front position lamps.
- D Front direction indicator.

You may have to remove the headlamp assembly prior to replacing a bulb. See **Removing a Headlamp** (page 321).



E260679

- A Headlamp high beam.
- B Headlamp low beam.
- C Front direction indicator.

## Front Direction Indicator

1. Turn the bulb holder counterclockwise and remove it.
2. Press the bulb in and turn the bulb counterclockwise to remove it.
3. To install, reverse the removal procedure.

## Headlamp Low Beam

1. Carefully remove the cover.
2. Release the clip and remove the bulb.
3. Disconnect the electrical connector.
4. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

## Headlamp High Beam

1. Carefully remove the cover.
2. Release the clip and remove the bulb.
3. Disconnect the electrical connector.
4. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

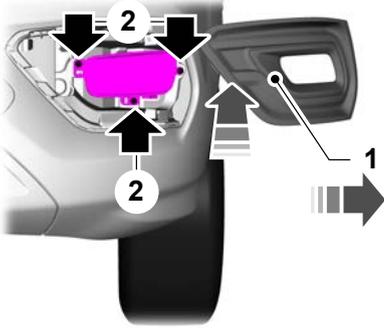
## Daytime Running Lamp and Front Position Lamps

These lamps have LEDs.

**Note:** LED lamps are not serviceable. Have your vehicle checked as soon as possible.

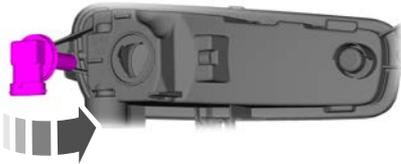
# Maintenance

## Front Fog Lamps



E256126

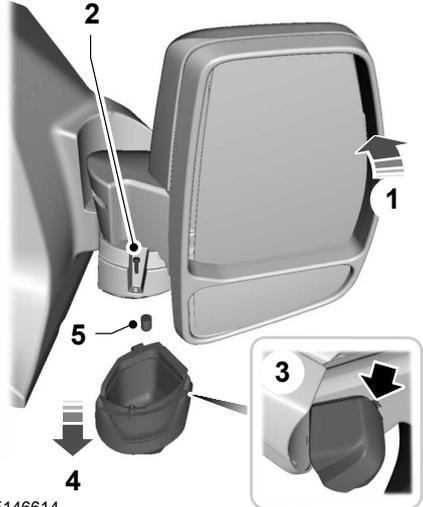
1. Gently press the fog lamp trim inward and then slide it toward the outer edge of the bumper.
2. Remove the screws that secure the lamp assembly.
3. Remove the lamp.
4. Disconnect the electrical connector.



E256280

5. Turn the bulb holder counterclockwise and remove it.
- Note:** You cannot separate the bulb from the bulb holder.
6. To install, reverse the removal procedure.

## Side Repeater

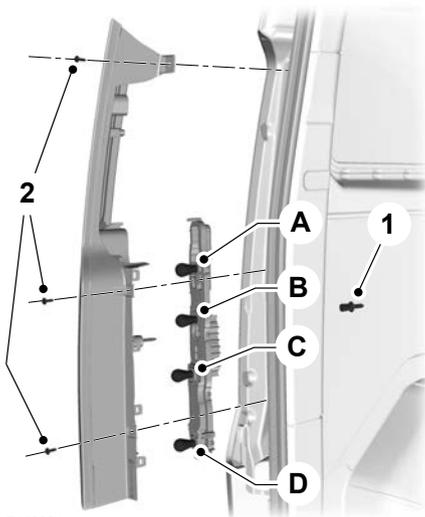


E146614

1. Fold the mirror fully forward.
2. Remove the screw.
3. Using a screwdriver, gently pry the clip to release the lamp.
4. Remove the lamp.
5. Remove the bulb holder by pulling it straight out.
6. Remove the bulb by pulling it straight out.
7. To install, reverse the removal procedure.

# Maintenance

## Rear Lamp

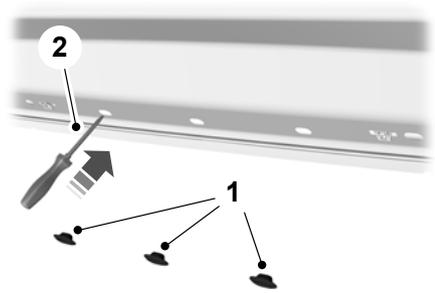


E146621

- A Rear lamp and stoplamp.
- B Rear direction indicator.
- C Reversing lamp.
- D Rear fog lamp.

1. Remove the wing nut.
2. Remove the screws.
3. Remove the lamp and unclip the bulb holder.
4. Press the bulb in and turn the bulb counterclockwise to remove it.

## Central High Mounted Stoplamp

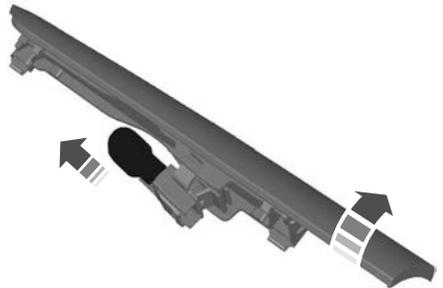


E162641

1. Remove the rubber grommets.

**Note:** You may need to remove a trim panel first.

2. Using a screwdriver, gently pry the clip to release the lamp.

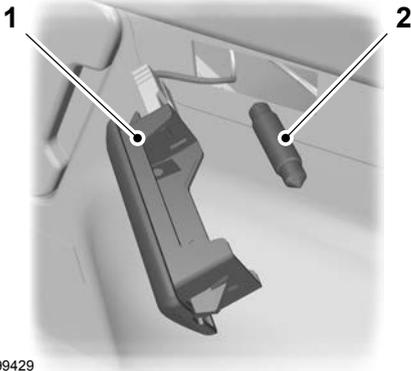


E146638

3. Remove the lamp.
4. Remove the bulb by pulling it straight out.

# Maintenance

## License Plate Lamp

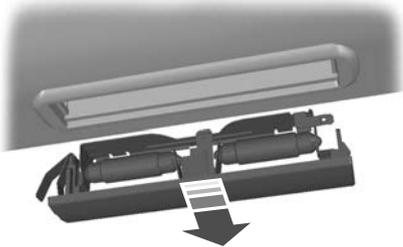


E99429

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Remove the bulb.

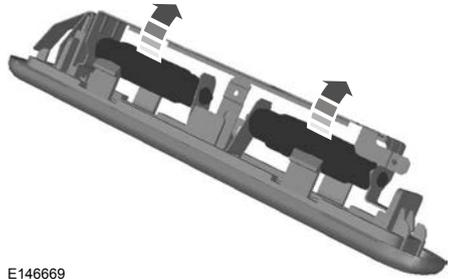
## Interior Lamp

### Entrance Lamps



E154369

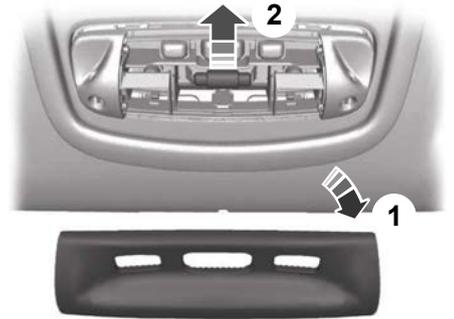
1. Using a screwdriver, gently pry the clip to release the lamp.



E146669

2. Remove the bulb.

## Vehicles with Interior Sensors

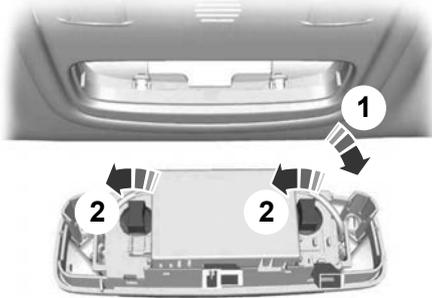


E154370

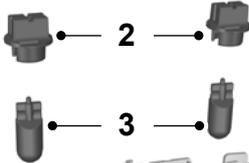
1. Remove the lamp lens.
2. Remove the bulb.

# Maintenance

## Reading Lamps



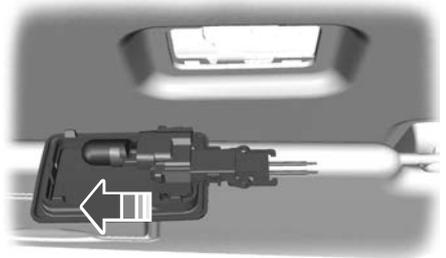
E72786



E99453

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Turn the bulb holder counterclockwise and remove it.
3. Remove the bulb by pulling it straight out.

## Vanity Mirror Lamp



E72785

1. Remove the lamp.
2. Remove the bulb by pulling it straight out.

## CHANGING A BULB-VEHICLES WITH: HIGH INTENSITY DISCHARGE HEADLAMPS

**⚠ WARNING:** Switch the lamps and the ignition off. Failure to follow this warning could result in serious personal injury.

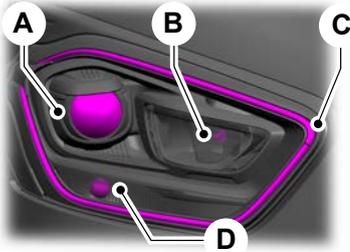
**⚠ WARNING:** Lamps and associated components become hot when in use. Let them cool down before you remove them.

Only fit bulbs of the correct specification. See **Bulb Specification Chart** (page 391).

**Note:** We recommend that you see an authorized dealer to change the bulbs if your vehicle has air conditioning.

# Maintenance

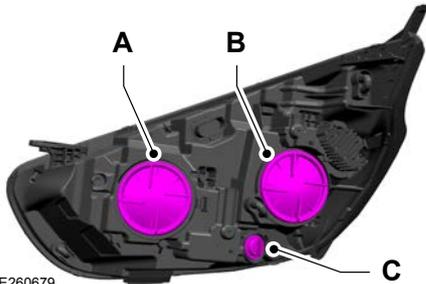
## Headlamp



E260597

- A Headlamp low beam. Headlamp high beam.
- B Cornering lamps.
- C Daytime running lamps. Front position lamps.
- D Front direction indicator.

You may have to remove the headlamp assembly prior to replacing a bulb. See **Removing a Headlamp** (page 321).



E260679

- A Cornering lamps.
- B Headlamp low beam. Headlamp high beam.
- C Front direction indicator.

## Front Direction Indicator

1. Turn the bulb holder counterclockwise and remove it.
2. Press the bulb in and turn the bulb counterclockwise to remove it.
3. To install, reverse the removal procedure.

## HID Headlamp Low Beam and High Beam

1. Carefully remove the cover.
2. Turn the bulb holder counterclockwise and remove it.
3. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

**Note:** You cannot separate the bulb from the bulb holder.

## Cornering Lamps

1. Carefully remove the cover.
2. Release the clip and remove the bulb.
3. Disconnect the electrical connector.
4. To install, reverse the removal procedure.

**Note:** Do not touch the bulb glass.

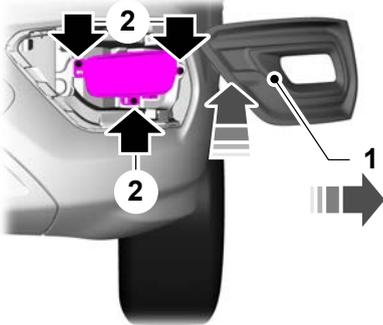
## Daytime Running Lamp and Front Position Lamps

These lamps have LEDs.

**Note:** LED lamps are not serviceable. Have your vehicle checked as soon as possible.

# Maintenance

## Front Fog Lamps



E256126

1. Gently press the fog lamp trim inward and then slide it toward the outer edge of the bumper.
2. Remove the screws that secure the lamp assembly.
3. Remove the lamp.
4. Disconnect the electrical connector.



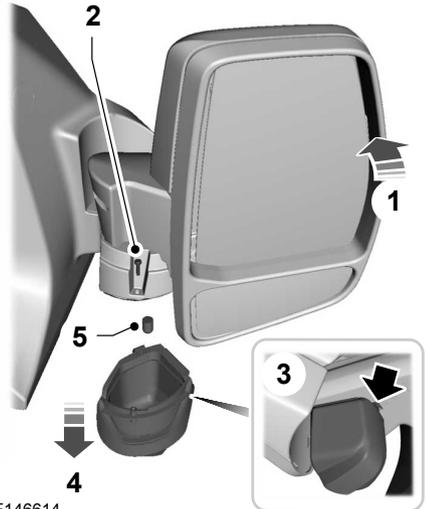
E256280

5. Turn the bulb holder counterclockwise and remove it.

**Note:** You cannot separate the bulb from the bulb holder.

6. To install, reverse the removal procedure.

## Side Repeater

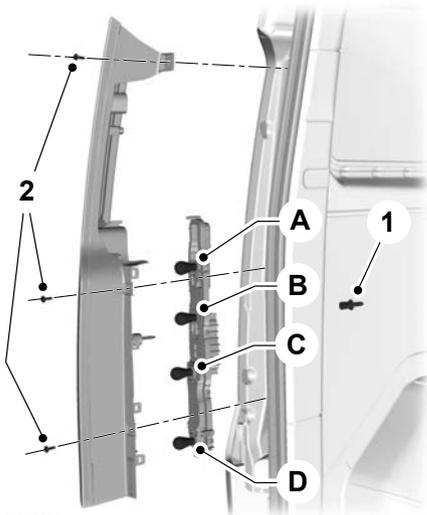


E146614

1. Fold the mirror fully forward.
2. Remove the screw.
3. Using a screwdriver, gently pry the clip to release the lamp.
4. Remove the lamp.
5. Remove the bulb holder by pulling it straight out.
6. Remove the bulb by pulling it straight out.
7. To install, reverse the removal procedure.

# Maintenance

## Rear Lamp

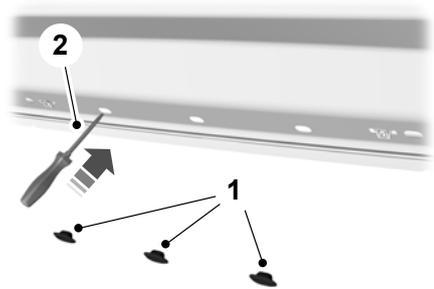


E146621

- A Rear lamp and stoplamp.
- B Rear direction indicator.
- C Reversing lamp.
- D Rear fog lamp.

1. Remove the wing nut.
2. Remove the screws.
3. Remove the lamp and unclip the bulb holder.
4. Press the bulb in and turn the bulb counterclockwise to remove it.

## Central High Mounted Stoplamp

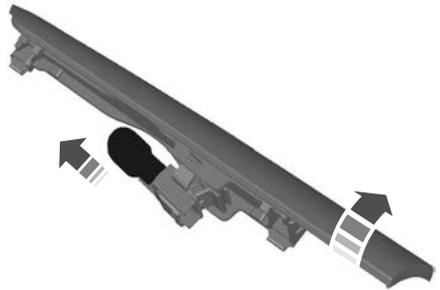


E162641

1. Remove the rubber grommets.

**Note:** You may need to remove a trim panel first.

2. Using a screwdriver, gently pry the clip to release the lamp.

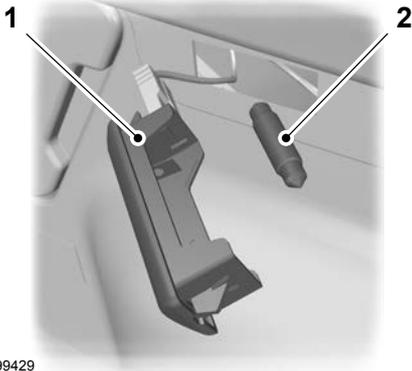


E146638

3. Remove the lamp.
4. Remove the bulb by pulling it straight out.

# Maintenance

## License Plate Lamp

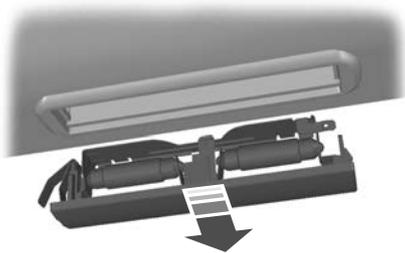


E99429

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Remove the bulb.

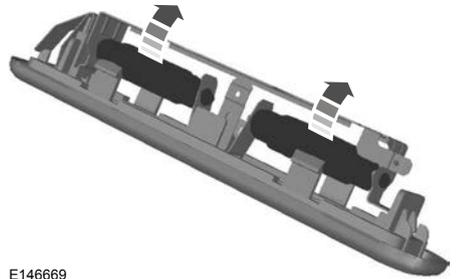
## Interior Lamp

### Entrance Lamps



E154369

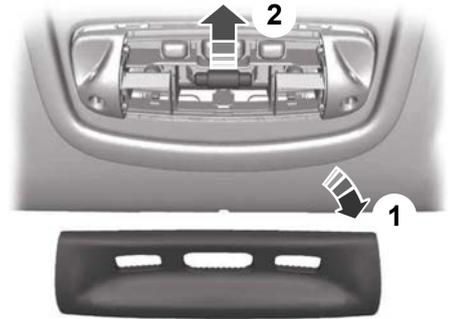
1. Using a screwdriver, gently pry the clip to release the lamp.



E146669

2. Remove the bulb.

## Vehicles with Interior Sensors

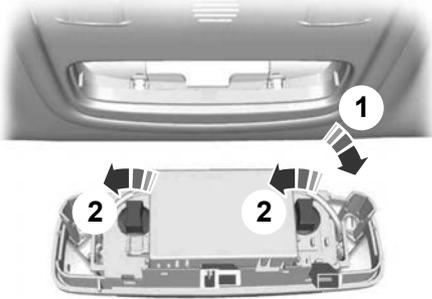


E154370

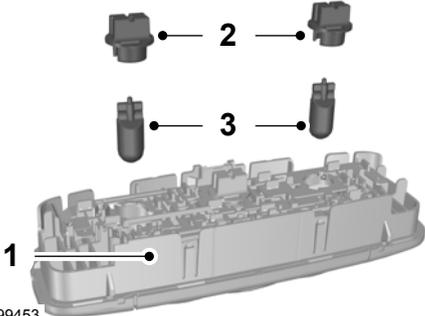
1. Remove the lamp lens.
2. Remove the bulb.

# Maintenance

## Reading Lamps



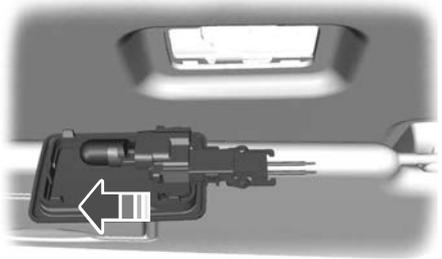
E72786



E99453

1. Using a screwdriver, gently pry the clip to release the lamp.
2. Turn the bulb holder counterclockwise and remove it.
3. Remove the bulb by pulling it straight out.

## Vanity Mirror Lamp



E72785

1. Remove the lamp.
2. Remove the bulb by pulling it straight out.

# Vehicle Care

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## CLEANING THE EXTERIOR

### CLEANING THE EXTERIOR PRECAUTIONS

Immediately remove fuel spillages, AdBlue residuals, bird droppings, insect deposits and road tar. These may cause damage to your vehicle's paintwork or trim over time.

Remove any exterior accessories, for example antennas, before entering a car wash.

### CLEANING HEADLAMPS AND REAR LAMPS

We recommend that you only use cold or lukewarm water containing car shampoo to clean the headlamps and the rear lamps.

Do not scrape the lamps.

Do not wipe lamps when they are dry.

### CLEANING WINDOWS AND WIPER BLADES

To clean the windshield and wiper blades:

- Clean the windshield with a non-abrasive glass cleaner.

**Note:** *When cleaning the interior of the windshield, avoid getting any glass cleaner on the instrument panel or door panels. Wipe any glass cleaner off these surfaces immediately.*

- Clean the wiper blades with washer fluid or water applied with a soft sponge or cloth.

**Note:** *Do not use razor blades or other sharp objects to clean or remove decals from the inside of the heated rear window. This can cause damage not covered by the vehicle Warranty.*

## CLEANING CHROME, ALUMINIUM OR STAINLESS STEEL

We recommend that you only use a car shampoo, a soft cloth and water on bumpers and other chrome, aluminium or stainless steel parts.

**Note:** *For additional information and assistance, we recommend that you contact an authorized dealer.*

**Note:** *Rinse the area well after cleaning.*

**Note:** *Do not use abrasive materials, for example steel wool or plastic pads, as they can scratch these surfaces.*

**Note:** *Do not use chrome cleaner, metal cleaner or polish on wheels or wheel covers.*

## CLEANING WHEELS

Only use a recommended wheel and tire cleaner to clean the wheels weekly. For additional information and assistance, we recommend that you contact an authorized dealer.

1. Use a sponge to remove heavy deposits of dirt and brake dust.
2. Rinse well after cleaning.

**Note:** *Do not apply a cleaning chemical to warm or hot wheel rims and covers.*

If you intend on parking your vehicle for an extended period after cleaning the wheels with a wheel cleaner, drive your vehicle for a few minutes before parking your vehicle. This reduces the risk of corrosion of the brake discs, brake pads and linings.

Do not clean the wheels when they are hot.

**Note:** *Some car washes could damage wheel rims and covers.*

**Note:** *Using non-recommended cleaners, harsh cleaning products, chrome wheel cleaners or abrasive materials could damage wheel rims and covers.*

# Vehicle Care

## CLEANING THE ENGINE COMPARTMENT

Use a vacuum cleaner to remove debris from the screen area below windshield.

**Note:** *If you are not familiar with the parts around the engine do not wash the engine compartment. Avoid frequent engine washes.*

When washing the engine compartment:

- Never wash or rinse the engine while it is hot or running.
- Never wash or rinse any ignition coil, spark plug wire or spark plug well.
- Cover the battery, power distribution box, and air filter assembly to prevent water damage.

**Note:** *If your vehicle has an engine cover remove the cover before application of shampoo and degreaser.*

- Spray an approved engine shampoo and degreaser on all parts that require cleaning and rinse with water.

## CLEANING STRIPES OR GRAPHICS

It is recommended to wash your vehicle by hand however, pressure washing may be used under the following conditions:

- Use a spray with a 40° wide spray angle pattern.
- Keep the nozzle at a 305 mm (12 in) distance and 90° angle to your vehicle's surface.
- Do not use water pressure higher than 14,000 kPa (2,000 psi).
- Do not use water hotter than 82°C (179°F).

**Note:** *Holding the pressure washer nozzle at an angle to the vehicle's surface may damage graphics and cause the edges to peel away from the vehicle's surface.*

## CLEANING CAMERA LENSES AND SENSORS

We recommend that you only use lukewarm or cold water and a soft cloth to clean the camera lens and sensors.

**Note:** *Do not pressure wash camera lens and sensors.*

## CLEANING THE UNDERBODY

Flush the complete underside of your vehicle frequently. Keep body and door drain holes free from packed dirt.

Rear suspension components may require regular cleaning with a power washer or a thorough rinse with a strong stream of water if the vehicle is operated in dusty or muddy environments. Rear leaf springs or other suspension components may emit squeaking or popping noises while operating the vehicle if particles, such as dirt, rocks, or other debris, are present in the components.

## CLEANING THE INTERIOR

### CLEANING THE INSTRUMENT PANEL



**WARNING:** Do not use chemical solvents or strong detergents when cleaning the steering wheel or instrument panel to avoid contamination of the airbag system.

We recommend that you only clean the instrument panel and cluster lens with a damp soft cloth. Dry the area with a clean, soft cloth.

For additional information and assistance, we recommend that you contact an authorized dealer.

# Vehicle Care

**Note:** Avoid cleaners or polishes that increase the gloss of the upper portion of the instrument panel. The dull finish in this area helps protect you from undesirable windshield reflection.

## CLEANING PLASTIC

We recommend that you only use a mild soap and water solution on a soft cloth. Dry the area with a clean, soft cloth.

## CLEANING DISPLAYS AND SCREENS

We recommend that you only use a microfiber cloth in a circular motion to clean off the fingerprint or dust.

If dirt or fingerprints are still on the screen, apply a small amount of alcohol to the cloth and try to clean it again.

**Note:** Do not pour or spray alcohol onto the touchscreen.

**Note:** Do not use detergent or any type of solvent to clean the touchscreen.

## CLEANING LEATHER AND VINYL

We recommend that you only clean the leather and vinyl surfaces in the following way:

1. Remove dust and loose dirt with a vacuum cleaner.
2. Wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.
3. Make sure the leather is dry, then apply a small amount of conditioner to a clean, dry cloth.

4. Rub the conditioner into the leather until it disappears. Allow the conditioner to dry, then repeat the process for the entire interior. If a film appears, wipe it off with a dry, clean cloth.
5. For additional information and assistance, we recommend that you contact an authorized dealer.

## CLEANING FABRIC SEATS AND HEADLINERS



**WARNING:** On vehicles equipped with seat-mounted airbags, do not use chemical solvents or strong detergents. Such products could contaminate the side airbag system and affect performance of the side airbag in a crash.

We recommend that you only clean the fabric seats and headliners in the following way:

1. Remove dust and loose dirt with a vacuum cleaner.
2. Wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.
3. For additional information and assistance, we recommend that you contact an authorized dealer.

For heavy stains, spot clean the area. If a ring forms on the fabric, clean the entire area immediately, but do not oversaturate or the ring could set.

## CLEANING CARPETS AND FLOOR MATS

We recommend that you only clean your carpets in the following way:

# Vehicle Care

1. Remove dust and loose dirt with a vacuum cleaner.
2. Wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.
3. For additional information and assistance, we recommend that you contact an authorized dealer.

For heavy stains, spot clean the area. If a ring forms on the fabric, clean the entire area immediately, but do not oversaturate or the ring could set.

We recommend that you only clean your floor mats in the following way:

1. Remove dust and loose dirt with a vacuum cleaner.
2. Wash rubber floor mats using mild soap and lukewarm or cold water.
3. Completely dry the floor mat before placing them back in your vehicle.

## CLEANING SEATBELTS



**WARNING:** Do not use cleaning solvents, bleach or dye on the vehicle's seatbelts, as these actions may weaken the belt webbing.

1. Wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.

## CLEANING STORAGE COMPARTMENTS

1. Remove dust and loose dirt with a vacuum cleaner.
2. Wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.

## CLEANING MOONROOF TRACKS

1. Remove debris from the tracks with a vacuum cleaner.
2. Wipe the bulb seal and mating painted roof metal surface with a soft, damp cloth and a mild soap and water solution.

## REPAIRING MINOR PAINT DAMAGE

Authorized dealers have touch-up paint to match your vehicle's color. Your vehicle color code is printed on a sticker on the front, left-hand side door jamb. Take your color code to your authorized dealer to make sure you get the correct color.

Before repairing minor paint damage, use a cleaner to remove particles such as bird droppings, tree sap, insect deposits, tar spots, road salt and industrial fallout.

Read the instructions before using cleaning products.

## WAXING YOUR VEHICLE

Wax the high-gloss painted surface of your prewashed vehicle once or twice a year.

We recommend that you only use an approved quality wax that does not contain abrasives. Follow the manufacturer's instructions to apply and remove the wax. For additional information and assistance, we recommend that you contact an authorized dealer.

When washing and waxing, park your vehicle in a shaded area out of direct sunlight.

**Note:** Avoid waxing unpainted or low-gloss black colored parts, they discolor over time.

# Wheels and Tires

## GENERAL INFORMATION

**WARNING:** Use only approved wheel and tire sizes. Using other sizes could damage your vehicle and will make the National Type Approval invalid.

**WARNING:** If your vehicle has self-leveling air suspension, you must switch the system off before carrying out any maintenance or repair. Failure to follow this warning could result in serious personal injury or death.

We do not recommend the use of alternative wheel diameters and tire sizes other than those approved for your vehicle. The speedometer may not display the correct speed.

## TIRE SEALANT AND INFLATOR KIT

**WARNING:** Do not use the inflator kit on run flat tires. This could cause loss of vehicle control.

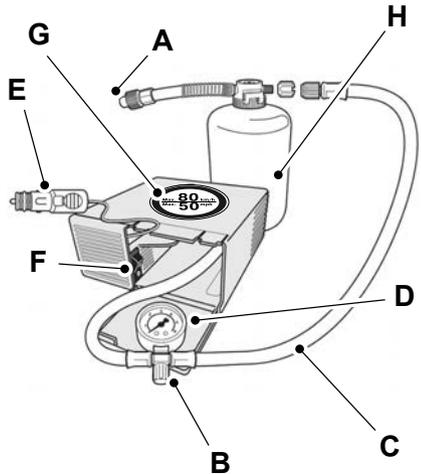
**WARNING:** Depending on the type and extent of tire damage, some tires can only be partially sealed or not sealed at all. Loss of tire pressure can affect vehicle handling, leading to loss of vehicle control.

**WARNING:** Do not use the kit on a previously damaged tire, for example when it has been driven under inflated. This could cause loss of vehicle control, personal injury or death.

**Note:** Motorhome owners may have to follow separate instructions issued with the temporary mobility kit.

If your vehicle does not have a spare wheel it has a tire sealant and inflator kit. The kit is in the right-hand side stepwell. Only use the kit supplied with your vehicle.

**Note:** The kit can only temporarily repair one tire puncture with a maximum puncture size of up to 0.24 in (6 mm).



E146784

- A Protective cap
- B Pressure relief valve
- C Hose
- D Pressure gauge
- E Power plug with cable
- F Compressor switch
- G Label
- H Sealant bottle

**Note:** Make sure you regularly check the expiry date on the sealant bottle.

# Wheels and Tires



If the low tire pressure warning lamp illuminates do the following:

1. Gradually reduce the vehicle speed and stop your vehicle as soon as it is safe to do so.
2. Apply the parking brake and switch the ignition off.
3. Check for a punctured tire.

**Note:** Do not remove objects, for example nails or screws from a punctured tire.

## Using the Tire Sealant and Inflator Kit



**WARNING:** Check the sidewall of the tire prior to inflation. If there are any cracks, bumps or similar damage, do not attempt to inflate the tire. This could cause personal injury.



**WARNING:** Watch the sidewall of the tire when inflating. If any cracks, bumps or similar damage appears, switch the compressor off and let the air out by means of the pressure relief valve. Do not continue driving with this tire. This could cause loss of vehicle control.



**WARNING:** Do not stand directly beside the tire while the compressor is operating. This could cause personal injury if the tire bursts.



**WARNING:** Do not leave the kit unattended when it is in use. Failure to follow this instruction could result in personal injury or death.



**WARNING:** Do not keep the compressor operating for more than 10 minutes. This could cause the compressor to malfunction causing serious personal injury.



**WARNING:** The sealant contains natural rubber latex. Avoid contact with skin and clothing. If this happens, rinse the affected areas immediately with plenty of water and consult a physician.

1. Open the lid of the tire sealant and inflator kit.
2. Peel off the label G showing the maximum permissible speed of 50 mph (80 km/h) from the casing and attach it to the instrument panel in the driver's field of view. Make sure the label does not obscure anything important.
3. Take the hose C and the power plug with cable E out of the temporary mobility kit.
4. Screw the hose C onto the sealant bottle.
5. Remove the valve cap from the damaged tire.
6. Remove the protective cap A from the sealant bottle hose and screw the hose firmly onto the valve of the damaged tire.
7. Make sure that the compressor switch F is in position 0.
8. Insert the power plug E into the auxiliary power point. See **Auxiliary Power Points** (page 128).
9. Start the engine.
10. Move the compressor switch F to position 1.
11. After a minimum of two minutes move the compressor switch F to position 0 and unscrew the hose C from the sealant bottle. Unscrew the sealant bottle hose from the tire valve.

# Wheels and Tires

12. Screw the hose C onto the tire valve and move the compressor switch F to position 1.
13. Inflate the tire to the recommended inflation pressure, but do not use the inflator for longer than 10 minutes. Move the compressor switch F to position 0 and check the current tire pressure with pressure gauge D. Unscrew the hose C from the tire valve.
14. Remove the power plug E from the auxiliary power point.
15. Make sure the tire sealant and inflator kit, the bottle lid and the orange cap are stored safely, but still easily accessible in your vehicle. The tire sealant and inflator kit will be required again when you check the tire pressure.
16. Immediately drive approximately six miles (10 kilometers) so that the sealant can seal the damaged area.

**Note:** *When pumping in the sealant through the tire valve, the pressure may rise up to 87 psi (6 bar) but will drop again after about 30 seconds.*

**Note:** *If the tire pressure has dropped to 26 psi (1.8 bar) or below, the tire could be damaged beyond a temporary repair. Have your vehicle immediately checked. Do not drive your vehicle.*

**Note:** *If the tire pressure has dropped but is still above 26 psi (1.8 bar), use the kit to inflate the tire again.*

## After Using the Tire Sealant and Inflator Kit



**WARNING:** If you experience any unusual vibration, ride disturbance or noise while driving, reduce your speed until you can safely pull off to the side of the road and call for roadside assistance. Failure to do so could cause you to lose control of your vehicle and increase the risk of personal injury or death.

1. Stop your vehicle after driving approximately six miles (10 kilometers). Check, and where necessary, adjust the pressure of the damaged tire.
2. Attach the tire sealant and the inflator kit and check the tire pressure from the pressure gauge D.
3. If the tire pressure is too high, deflate the tire to the specified pressure using the pressure relief valve B. If the tire pressure is less than the recommended pressure, repeat steps 13 to 16 and steps 1 to 2 (Checking the Tire Pressure). See **Tire Pressures** (page 355). See **Tire Pressures** (page 355).
4. Once you have inflated the tire to its correct tire pressure, move the compressor switch F to position 0, remove the power plug E from the auxiliary power point, unscrew the sealant bottle hose, fasten the valve cap and replace the protective cap A.
5. Drive to the nearest tire specialist to get the damaged tire replaced. Before the tire is removed from the wheel, inform the tire specialist that the tire contains sealant. Renew the sealant bottle as soon as possible after it has been used once.

# Wheels and Tires

**Note:** The temporary mobility kit only provides an emergency repair. Regulations concerning tire repair after using the temporary mobility kit may differ from country to country. You should consult a tire specialist for advice.

## TIRE CARE



**WARNING:** Do not scrub the sidewalls of the tires when you are parking.

Regularly check all of the tire pressures. See **Tire Pressures** (page 355).

Regularly check all of the tires for cuts, foreign material and uneven tire wear. Uneven tire wear could indicate that the wheel alignment or tire pressures are not to specification. Have your vehicle checked as soon as possible.

To avoid tire damage, slowly move your vehicle if you have to mount a curb. Have the wheels as much as possible to right angles to the curb.

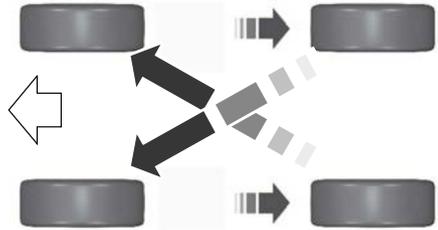
## Repositioning the Wheels and Tires

We recommend that you reposition the wheels and tires from front to rear and vice versa at intervals of between 5,000 km (3,000 mi) and 10,000 km (6,000 mi). This helps the tires to wear evenly and last longer. See **Changing a Road Wheel** (page 348).

Reposition the wheels and tires as shown:

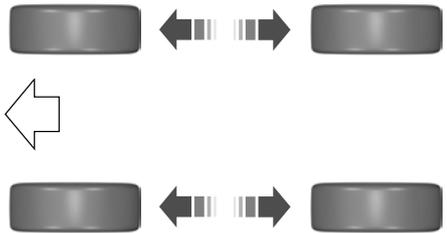
**Note:** Front tires are shown on the left.

## Non-Directional Tires



E142547

## Directional Tires



E70415

**Note:** Directional tires have an arrow on the sidewall to indicate the correct direction of wheel rotation. Do not switch directional tires to the other side of your vehicle.

## USING WINTER TIRES



E278852

# Wheels and Tires

We recommend that you use winter or all-season tires carrying this symbol when the temperature is 7°C (45°F) or lower, or in snow and ice conditions.

Inflate the winter tires to the same tire pressures as those listed in the tire pressures table. See **Tire Pressures** (page 355).



**WARNING:** Snow tires must be the same size, load index and speed rating as those originally provided by Ford. Use of any tire or wheel not recommended by Ford can affect the safety and performance of your vehicle, which could result in an increased risk of loss of control, vehicle rollover, personal injury and death. Additionally, the use of non-recommended tires and wheels can cause steering, suspension, axle, transfer case or power transfer unit failure. Follow the Ford recommended tire inflation pressure found on the Safety Compliance Certification Label (on the door hinge pillar, door latch post or the door edge that meets the door latch post, next to the driver seat), or Tire Label on the B-Pillar or the edge of the driver door. Failure to follow the tire pressure recommendations can cause uneven treadwear patterns and adversely affect the way your vehicle handles.

## USING SNOW CHAINS - VAN



**WARNING:** Do not exceed 50 km/h (30 mph). Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** Only fit snow chains to specified tires.



**WARNING:** Do not use snow chains on snow-free roads.



**WARNING:** If your vehicle is fitted with wheel trims, remove them before fitting snow chains.

Only use snow chains on the front wheels.

Only use snow chains or cables on wheels that have 215/65R15C tires.

Only use SAE Class S snow chains or cables of 10 mm (0.4 in) or smaller in diameter.

**Note:** *If your vehicle does not have this tire size, you can purchase alternative wheels that permit the use of snow chains or cables.*

**Note:** *Maintain correct tire pressures.*

**Note:** *The anti-lock brake system continues to correctly operate.*

**Note:** *We recommend that you switch the stability control system off. See **Using Stability Control** (page 192).*

Do not use self-tensioning snow chains.

# Wheels and Tires

## Alternative Wheels for Snow Chain or Cable Use

Variant <sup>1</sup>	Tire Size	Suitable for Snow Chain or Cable Use, or Alternative Wheels and Tires Required	Tire Pressure bar (psi)
250 260 270 280 290 300 310	215/65R15C 104/102T	Suitable for snow chain or cable use.	See <b>Tire Pressures</b> (page 355).
250 260 270 280 290 300 310	215/65R16C 109/107T	<b>Alternative wheel and tire size required.</b> Use special snow chain wheel kit 16x5.5J with 185/75R16C tires only on the front axle.	4 (58)
		<b>Alternative wheel and tire size required.</b> Use 15x6.5J steel wheels with 215/65R15C tires on the front and rear axles.	See <b>Tire Pressures</b> (page 355).
290 Sport	235/50R18 XL 101W	<b>Alternative wheel and tire size required.</b> Use special snow chain wheel kit 16x5.5J with 185/75R16C tires only on the front axle.	4 (58)
290 Sport 300 320 320 Sport 340	215/60R17C 109/107T	<b>Alternative wheel and tire size required.</b> Use 17x6J steel wheels with 215/60R17C tires only on the front axle.	4 (58)
320 330 340	215/65R16C 109/107T	<b>Alternative wheel and tire size required.</b> Use special snow chain wheel kit 16x5.5J with 185/75R16C tires only on the front axle.	4 (58)

<sup>1</sup> To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

## USING SNOW CHAINS - BUS

 **WARNING:** Do not exceed 50 km/h (30 mph). Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** Do not use snow chains on snow-free roads.

 **WARNING:** Only fit snow chains to specified tires.

 **WARNING:** If your vehicle is fitted with wheel trims, remove them before fitting snow chains.

Only use snow chains on the front wheels.

Do not use snow chains or cables on alloy wheels that have 215/65R16C or 215/60R17C tires.

Only use SAE Class S snow chains or cables of 10 mm (0.4 in) or smaller in diameter.

**Note:** You can purchase alternative wheels that permit the use of snow chains or cables.

**Note:** Maintain correct tire pressures.

**Note:** The anti-lock brake system continues to correctly operate.

**Note:** We recommend that you switch the stability control system off. See **Using Stability Control** (page 192).

Do not use self-tensioning snow chains.

## Alternative Wheels for Snow Chain or Cable Use

Variant <sup>1</sup>	Tire Size	Suitable for Snow Chain or Cable Use, or Alternative Wheels and Tires Required	Tire Pressure bar (psi)
300. 320.	215/65R16C.	<b>Alternative wheel and tire size required.</b> Use special snow chain use wheel kit 16x5.5J with 185/75R16C tires only on the front axle.	4 (58)
320. 320 Sport.	215/60R17C.	<b>Alternative wheel and tire size required.</b> Use 17x6J steel wheels with 215/60R17C tires only on the front axle.	4 (58)

<sup>1</sup> To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

## USING SNOW CHAINS - SHUTTLE BUS



**WARNING:** Do not exceed 50 km/h (30 mph). Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



**WARNING:** Do not use snow chains on snow-free roads.



**WARNING:** Only fit snow chains to specified tires.



**WARNING:** If your vehicle is fitted with wheel trims, remove them before fitting snow chains.

Only use snow chains on the front wheels.

Only use SAE Class S snow chains or cables of 10 mm (0.4 in) or smaller in diameter.

Do not use snow chains or cables on wheels that have 215/65R16C tires.

**Note:** You can purchase alternative wheels that permit the use of snow chains or cables.

**Note:** Maintain correct tire pressures.

Do not use self-tensioning snow chains.

## Alternative Wheels for Snow Chain or Cable Use

Variant <sup>1</sup>	Tire Size	Suitable for Snow Chain or Cable Use, or Alternative Wheels and Tires Required	Tire Pressure bar (psi)
300. 320.	215/65R16C.	<b>Alternative wheel and tire size required.</b> Use special snow chain use wheel kit 16x5.5J with 185/75R16C tires only on the front axle.	4 (58)

<sup>1</sup> To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

## CHANGING A ROAD WHEEL



**WARNING:** If your vehicle has self-leveling air suspension, you must switch the system off before carrying out any maintenance or repair. Failure to follow this warning could result in serious personal injury or death.



**WARNING:** Do not fit more than one spare wheel on your vehicle at any one time.

If a tire deflates when your vehicle is moving, do the following:

1. Firmly hold the steering wheel.
2. Avoid heavy braking.
3. Gradually reduce the vehicle speed and stop your vehicle as soon as it is safe to do so.
4. Fully apply the parking brake.

# Wheels and Tires

5. Switch the ignition off.

If the spare wheel is exactly the same type and size as the other fitted road wheels, you can replace the existing road wheel with the spare wheel and continue to drive in the normal manner. We recommend that you have the damaged road wheel and tire repaired or replaced as soon as possible.

**Note:** Your vehicle may not have a spare wheel, vehicle jack or a wheel brace. See **Tire Sealant and Inflator Kit** (page 341).

## Dissimilar Spare Wheel and Tire Assembly Information

**WARNING:** Failure to follow these guidelines could result in an increased risk of loss of vehicle control, injury or death.

**WARNING:** If you are not sure what type of spare wheel your vehicle has, do not exceed 80 km/h (50 mph).

If the spare wheel is different to the other fitted road wheels, it may have a warning label with the appropriate maximum speed limit. Drive cautiously when using a dissimilar spare wheel and tire assembly.

A dissimilar spare wheel and tire is for temporary use only. Drive the shortest distance possible and have the damaged road wheel and tire repaired or replaced as soon as possible. If the dissimilar spare wheel or tire is damaged, it must be replaced.

## Locking Lug Nuts

You can obtain replacement locking lug nuts or a locking lug nut key using the reference number certificate.

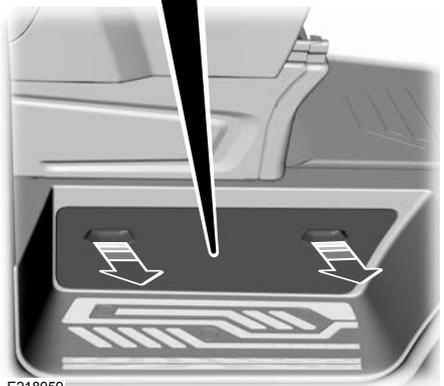
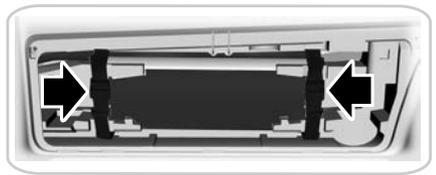
The locking lug nut key is located in the glove box or next to the vehicle jack.

## Vehicle Jack

**WARNING:** Do not use the vehicle jack other than when you are changing a wheel in an emergency.

**WARNING:** Check that the vehicle jack is not damaged or deformed and the thread is lubricated and clean.

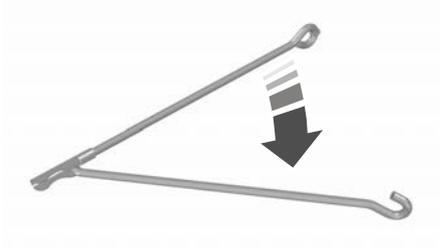
**WARNING:** No person should place any portion of their body under a vehicle that is supported by a jack.



E218059

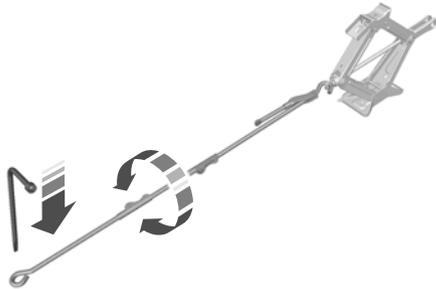
The vehicle jack, wheel brace and vehicle jack handle are in the storage compartment in the front right-hand side stepwell.

# Wheels and Tires



E146837

1. Unfold the vehicle jack handle.



E70958

2. Insert the hook of the vehicle jack handle into the ring on the vehicle jack.
3. Insert the wheel brace into the end of the vehicle jack handle.
4. To raise your vehicle, rotate the vehicle jack handle clockwise.

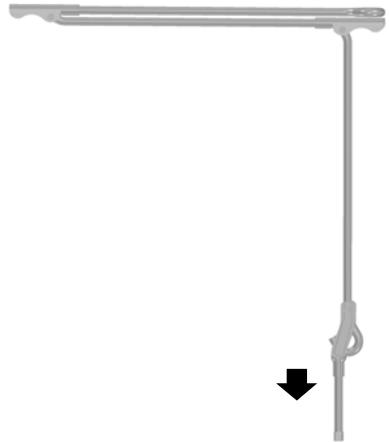
## Removing the Spare Wheel

The spare wheel is under the rear of your vehicle and removed using a winch system.



E145138

1. Open the liftgate or rear doors.



2. Insert the square end of the wheel brace or the short arm of the jack handle into the socket. Turn counterclockwise until the spare wheel rests on the ground and the cable is loose.

# Wheels and Tires



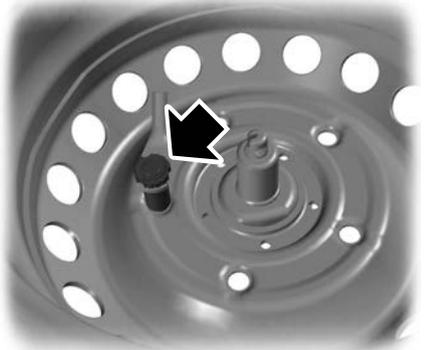
E146811

3. Raise the cable end cover.



E146812

4. Rotate the cable through 90 degrees. Slide the cable through the slot to release the spare wheel bracket from the winch.



E146813

5. Remove the retaining nut to release the spare wheel bracket.

## Stowing the Spare Wheel

To stow the spare wheel, reverse the removal procedure. Make sure the spare wheel is secure by tightening the winch until you feel a slip.

**Note:** Do not raise the winch cable without having attached a wheel. This could damage the winch mechanism.

## Front Jacking Points

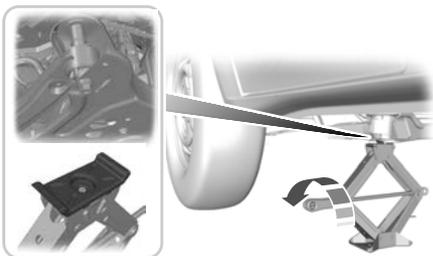
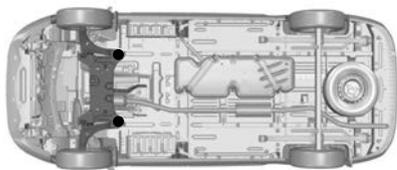
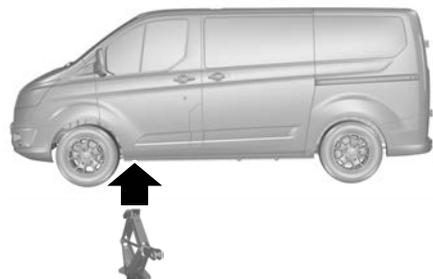
 **WARNING:** Use only the specified jacking points. If you use other positions, you may damage the body, steering, suspension, engine, braking system or the fuel lines.

# Wheels and Tires

## Rear Jacking Points

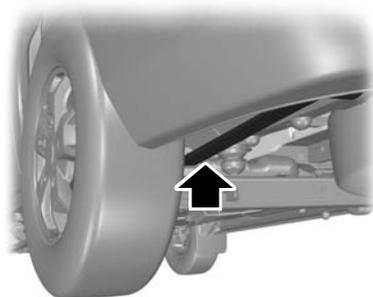
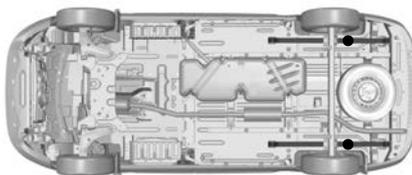
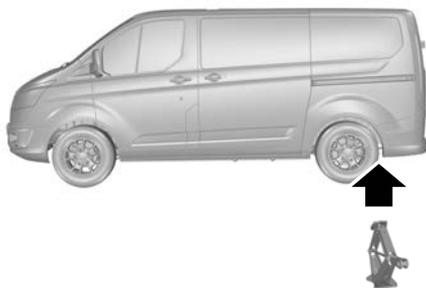
 **WARNING:** Use only the specified jacking points. If you use other positions, you may damage the body, steering, suspension, engine, braking system or the fuel lines.

## Vehicles Without Rear Air Suspension



E146881

The front sub-frame rear bolts fit into a recess on the flap of the vehicle jack.

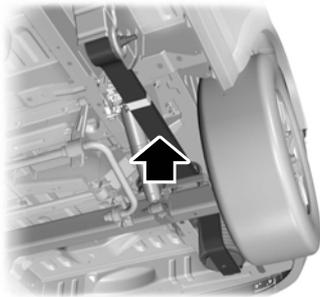
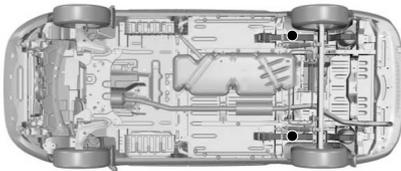
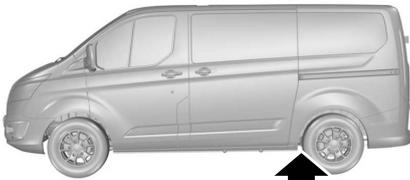


E146843

# Wheels and Tires

Rotate the head of the vehicle jack and position it under the rear leaf spring directly behind the rear axle.

## Vehicles With Rear Air Suspension



E227612

Rotate the head of the vehicle jack and position it under the rear leaf spring directly in front of the rear axle.

## Removing a Road Wheel

 **WARNING:** Park your vehicle so that you do not obstruct the flow of traffic or place yourself in any danger and set up a warning triangle.

 **WARNING:** Make sure that your vehicle is on firm and level ground with the front wheels pointing straight ahead.

 **WARNING:** Switch the ignition off and apply the parking brake.

 **WARNING:** If your vehicle has a manual transmission, shift into first or reverse gear. If your vehicle has an automatic transmission, shift into park (P).

 **WARNING:** Make sure all passengers are out of your vehicle.

 **WARNING:** Chock the diagonally opposite wheel to the punctured tire with an appropriate wheel block or wheel chock.

 **WARNING:** Make sure that the arrows on directional tires point in the direction of rotation when your vehicle is moving forward. If you have to fit a spare tire with the arrows pointing in the opposite direction have the tire refitted as soon as possible.

 **WARNING:** No person should place any portion of their body under a vehicle that is supported by a jack.

 **WARNING:** Make sure that the vehicle jack is vertical to the jacking point and the base is flat on the ground.

# Wheels and Tires

1. Insert the flat end of the wheel brace between the wheel rim and the wheel trim and carefully remove the wheel trim.
2. Install the locking lug nut key.
3. Loosen the lug nuts and locking lug nut.
4. Correctly position the vehicle jack.
5. Raise your vehicle until the tire is clear of the ground.
6. Remove the lug nuts and locking lug nut.
7. Remove the wheel.

**Note:** Do not lay alloy wheels face down on the ground.

## Installing a Road Wheel



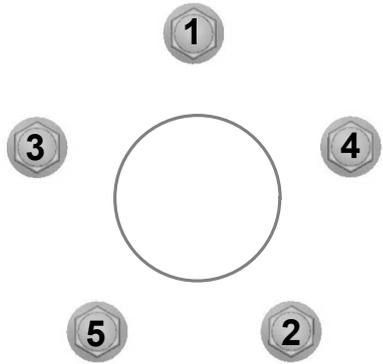
**WARNING:** Make sure there is no grease or oil on the threads or the surface between the wheel lugs and nuts. This can cause the lug nuts to loosen while driving.



**WARNING:** Use only approved wheel and tire sizes. Using other sizes could damage your vehicle and will make the National Type Approval invalid.

1. Install the wheel.

**Note:** Make sure the wheel and hub contact surfaces are free from foreign matter.



E154985

2. Install all of the lug nuts and partially tighten them in the sequence shown.

**Note:** Make sure that the cones on the lug nuts are against the wheel.

**Note:** Alloy wheel lug nuts are suitable for use on a steel spare wheel.

3. Lower your vehicle and remove the vehicle jack.
4. Install the locking lug nut key.
5. Fully tighten the lug nuts in the sequence shown. See **Lug Nuts** (page 363).
6. Install the wheel trim.
7. Correctly stow the spare wheel, vehicle jack, wheel brace and locking lug nut key.

**Note:** Have the lug nuts checked for tightness and the tire pressure checked as soon as possible.

**Note:** If the spare wheel is different in size or construction to the road wheels, have this replaced as soon as possible.

# Wheels and Tires

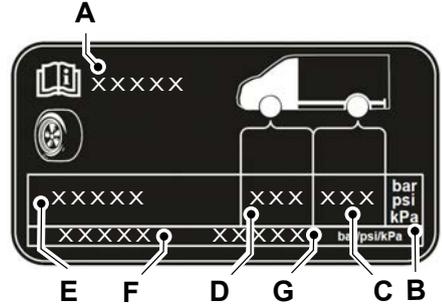
## TIRE PRESSURES - VAN

The recommended tire inflation pressures are on the tire information label on the driver side B-pillar.

Check all tire pressures when they are cold, at least once every two weeks.

**Note:** You may need to remove the spare wheel from the spare wheel carrier to check the tire pressure.

A dissimilar spare wheel and tire is for temporary use only.



- A Vehicle model.
- B Measure unit.
- C Rear tire pressure.
- D Front tire pressure.
- E Tire size.
- F Dissimilar spare wheel tire size.
- G Dissimilar spare wheel tire pressure.

Variant <sup>1</sup>	Tire Size	Front	Rear
		bar (psi)	bar (psi)
250 S	215/65R15C 104/102T	3.3 (48)	2.9 (42)
	215/65R16C 109/107T	3.6 (52)	3.1 (45)
260 S	215/65R15C 104/102T	3.3 (48)	2.9 (42)
	215/65R16C 109/107T	3.6 (52)	3.1 (45)
270 S	215/65R15C 104/102T	3.3 (48)	2.9 (42)
	215/65R16C 109/107T	3.6 (52)	3.1 (45)
280 S	215/65R15C 104/102T	3.3 (48)	2.9 (42)
	215/65R16C 109/107T	3.6 (52)	3.1 (45)
290 S	215/65R15C 104/102T	3.3 (48)	3.3 (48)

## Wheels and Tires

Variant <sup>1</sup>	Tire Size	Front	Rear
		bar (psi)	bar (psi)
	215/65R16C 109/107T	3.5 (51)	3.6 (52)
290 S Sport	215/60R17C 109/107T	3.5 (51)	3.6 (52)
	235/50R18 XL 101W	3 (44)	3 (44)
290 L	215/65R15C 104/102T	3.6 (52)	3.3 (48)
	215/65R16C 109/107T	3.8 (55)	3.6 (52)
290 L Sport	235/50R18 XL 101W	3 (44)	3 (44)
300 S	215/65R15C 104/102T	3.3 (48)	3.3 (48)
	215/65R16C 109/107T	3.5 (51)	3.6 (52)
	215/60R17C 109/107T	3.8 (55)	3.6 (52)
300 L	215/65R15C 104/102T	3.6 (52)	3.3 (48)
	215/65R16C 109/107T	3.8 (55)	3.6 (52)
	215/60R17C 109/107T	3.5 (51)	3.6 (52)
310 S	215/65R15C 104/102T	3.4 (49)	3.7 (54)
	215/65R16C 109/107T	3.7 (54)	4 (58)
310 L	215/65R15C 104/102T	3.7 (54)	3.7 (54)
	215/65R16C 109/107T	4 (58)	4 (58)
320 S	215/65R16C 109/107T	3.8 (55)	4 (58)
	215/60R17C 109/107T		
320 L	215/65R16C 109/107T	4 (58)	4 (58)
	215/60R17C 109/107T		
320 S Kombi Vehicles with rear air suspension	215/65R16C 109/107T	3.8 (55)	3.7 (54)
	215/60R17C 109/107T		
320 S Kombi. Plug-in hybrid electric vehicle	215/65R16C 109/107T	4 (58)	3.7 (54)
320 S Sport Van	215/60R17C 109/107 T	3.6 (52)	3.7 (54)

## Wheels and Tires

Variant <sup>1</sup>	Tire Size	Front	Rear
		bar (psi)	bar (psi)
320 S Sport Kombi	215/60R17C 109/107T	3.7 (54)	4 (58)
320 S Sport Double Cab in Van			
320 L Kombi. Vehicles with rear air suspension	215/65R16C 109/107T	4 (58)	3.7 (54)
	215/60R17C 109/107T		
320 L Sport Van	215/60R17C 109/107T	4 (58)	3.7 (54)
320 L Sport Kombi	215/60R17C 109/107T	4 (58)	4 (58)
320 L Sport Double Cab in Van			
330 S	215/65R16C 109/107 T	3.7 (54)	4.75 (69)
330 L	215/65R16C 109/107T	4 (58)	4.75 (69)
340 S	215/65R16C 109/107T	3.7 (54)	4.75 (69)
	215/60R17C 109/107T		
340 S Plug-in hybrid electric vehicle	215/65R16C 109/107T	4 (58)	4.75 (69)
340 L	215/65R16C 109/107T	4 (58)	4.75 (69)
	215/60R17C 109/107T		

<sup>1</sup> To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

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## Temporary Spare Wheel

Variant <sup>1</sup>	Tire Size	bar (psi)
290 L Sport 290 S Sport 300 S	215/65R16C 109/107T	3.6 (52)
300 L 320 S 320 L 320 S Sport 320 L Sport	215/65R16C 109/107T	4 (58)
340 S 340 L	215/65R16C 109/107T	4.75 (69)

<sup>1</sup>To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

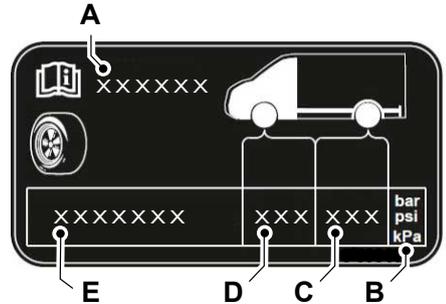
# Wheels and Tires

## TIRE PRESSURES - SHUTTLE BUS

The recommended tire inflation pressures are on the tire information label on the driver side B-pillar.

Check all tire pressures when they are cold, at least once every two weeks.

**Note:** You may need to remove the spare wheel from the spare wheel carrier to check the tire pressure.



E254055

- A Vehicle model.
- B Measure unit.
- C Rear tire pressure.
- D Front tire pressure.
- E Tire size.

Variant <sup>1</sup>	Tire Size	Front	Rear
		bar (psi)	bar (psi)
320 L Vehicles with rear air suspension	215/65R16C	4 (58)	3.7 (54)
320 L	215/65R16C	4 (58)	3.7 (54)

<sup>1</sup>To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

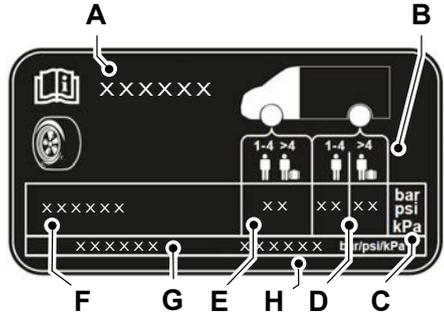
## TIRE PRESSURES - BUS

The recommended tire inflation pressures are on the tire information label on the driver side B-pillar.

Check all tire pressures when they are cold, at least once every two weeks.

**Note:** You may need to remove the spare wheel from the spare wheel carrier to check the tire pressure.

A dissimilar spare wheel and tire is for temporary use only.



- A Vehicle model.
- B Vehicle load.
- C Measure unit.
- D Rear tire pressure.
- E Front tire pressure.
- F Tire size.
- G Dissimilar spare wheel tire size.
- H Dissimilar spare wheel tire pressure.

Variant <sup>1</sup>	Tire Size	Full Load		Half Load	
		Front	Rear	Front	Rear
		bar (psi)	bar (psi)	bar (psi)	bar (psi)
300 S.	215/65R16C.	3.6 (52)	3.5 (51)	3.6 (52)	3.1 (45)
300 L.	215/65R16C.	4 (58)	3.5 (51)	4 (58)	3.1 (45)
320 S.	215/65R16C.	3.8 (55)	3.7 (54)	3.8 (55)	3.1 (45)
320 S.	215/60R17C.	3.8 (55)	3.7 (54)	3.8 (55)	3.1 (45)
320 S Sport.					
320 S.					

## Wheels and Tires

Variant <sup>1</sup>	Tire Size	Full Load		Half Load	
		Front	Rear	Front	Rear
		bar (psi)	bar (psi)	bar (psi)	bar (psi)
Vehicles with rear air suspension.					
320 S. Plug-in hybrid electric vehicle.	215/65R16C.	4 (58)	3.7 (54)	4 (58)	3.1 (45)
320 L.	215/65R16C.	4 (58)	3.7 (54)	4 (58)	3.1 (45)
320 L. Vehicles with rear air suspension.					
320 L.	215/60R17C.	4 (58)	3.7 (54)	4 (58)	3.1 (45)
320 L Sport.					
320 L. Vehicles with rear air suspension.					

<sup>1</sup> To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

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## Temporary Spare Wheel

Variant <sup>1</sup>	Tire Size	bar (psi)
320 S.	215/65R16C.	4 (58)
320 S. Vehicles with rear air suspension.		
320 S Sport.		
320 L.		
320 L. Vehicles with rear air suspension.		
320 L Sport.		

<sup>1</sup>To ascertain the variant of your vehicle, refer to the vehicle identification plate. See **Vehicle Identification Plate** (page 370).

# Wheels and Tires

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## LUG NUTS

### Lug Nut Torque



**WARNING:** When you install a wheel, always remove any corrosion, dirt or foreign materials present on the mounting surfaces of the wheel or the surface of the wheel hub, brake drum or brake disc that contacts the wheel. Make sure to secure any fasteners that attach the rotor to the hub so they do not interfere with the mounting surfaces of the wheel. Installing wheels without correct metal-to-metal contact at the wheel mounting surfaces can cause the wheel nuts to loosen and the wheel to come off while your vehicle is in motion, resulting in loss of vehicle control, personal injury or death.

<b>Bolt size</b>	<b>Nm ( lb.ft)</b>
M14 x 1.5	204 (150)

### Locking Lug Nuts

You can obtain a replacement locking lug nut key and replacement locking lug nuts from an authorized dealer using the reference number certificate.

# Tire Pressure Monitoring System (If Equipped)

## WHAT IS THE TIRE PRESSURE MONITORING SYSTEM



The tire pressure monitoring system measures the vehicle's tire pressures. A warning lamp illuminates if one or more tires are significantly underinflated or if there is a system malfunction.

## TIRE PRESSURE MONITORING SYSTEM PRECAUTIONS



**WARNING:** The tire pressure monitoring system is not a substitute for manually checking tire pressures. You should periodically check tire pressures using a pressure gauge. Failure to correctly maintain tire pressures could increase the risk of tire failure, loss of control, vehicle rollover and personal injury.



**WARNING:** Do not use the tire pressure displayed in the information display as a tire pressure gauge. Failure to follow this instruction could result in personal injury or death.

**Note:** The use of tire sealants can damage the tire pressure monitoring system.

## TIRE PRESSURE MONITORING SYSTEM LIMITATIONS

The warning lamp can illuminate when:

- You use a spare wheel or a tire sealant and inflator kit.
- The outside air temperature drops significantly. The tire pressure could decrease and activate the low tire pressure warning lamp. Check each tire to verify that none are flat. Inflate the tires, if needed, to the recommended pressures and carry out the reset procedure.

**Note:** Regularly checking the vehicle tire pressures can reduce the possibility for the warning lamp to illuminate due to outside air temperature changes.

**Note:** After you inflate the tires to the correct pressure, it may take up to two minutes of driving over 32 km/h (20 mph) for the warning lamp to turn off.

## VIEWING THE TIRE PRESSURES



1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **Vehicle maintenance**.
3. Select **Tyre pressure**.

# Tire Pressure Monitoring System (If Equipped)

## RESETTING TIRE PRESSURE MONITORING SYSTEM

You must reset the tire pressure monitoring system after each tire replacement, tire rotation or after inflating the tires to the correct tire pressure.

**Note:** *If you have a new sensor or have rotated the vehicle tires, park your vehicle for at least 20 minutes, before resetting the system.*

**Note:** *The tire pressure monitoring system automatically re-learns the tire pressure sensors the next time you drive your vehicle for approximately 15 minutes.*

1. Using the information display controls on the steering wheel, select **Settings**.

2. Select **Vehicle maintenance**.
3. Select **Tyre pressure**.
4. Press and hold the **OK** button until the system reset confirmation appears.

## TIRE PRESSURE MONITORING SYSTEM – TROUBLESHOOTING

### TIRE PRESSURE MONITORING SYSTEM – WARNING LAMPS



The low tire pressure warning lamp combines functions.

Warning Lamp	Possible Cause	Action
Solid warning lamp	One or more tires are significantly underinflated	Inflate the tires to the recommended tire pressure. See <b>Tire Pressures</b> (page 355). Check the tires for damage and repair them if necessary. Carry out the system reset procedure.
Solid warning lamp or flashing warning lamp	Temporary spare wheel in use	Repair the damaged road wheel and tire and refit it to your vehicle to restore the correct operation of the system.
	Tire pressure monitoring system malfunction	If the tires are inflated to the recommended tire pressures and the temporary spare wheel is not in use, the system has detected a fault that requires service. Have your vehicle checked as soon as possible.

# Tire Pressure Monitoring System (If Equipped)

## TIRE PRESSURE MONITORING SYSTEM – INFORMATION MESSAGES

<b>Message</b>	<b>Details</b>
Tyre pressure low	Inflate the tires to the recommended tire pressure. Check the tires for damage and repair them if necessary. Carry out the system reset procedure.
Tyre pressure monitor malfunction	The system has detected a fault that requires service. Have your vehicle checked as soon as possible.
Tyre pressure sensor malfunction	If the tires are inflated to the recommended tire pressures and the temporary spare wheel is not in use, the system has detected a fault that requires service. Have your vehicle checked as soon as possible.

# Capacities and Specifications

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## VEHICLE DIMENSIONS - BUS/SHUTTLE BUS

### Short Wheelbase

<b>Dimension Description</b>	<b>mm (in)</b>
Overall length.	4,972 (195.7)
Overall width including the exterior mirrors.	2,290 (90.2)
Overall height excluding the antenna.	1,959–2,382 (77.1–93.8)
Wheelbase.	2,933 (115.5)
Front track.	1,732–1,752 (68.2–69.0)
Rear track.	1,734–1,759 (68.3–69.3)

### Long Wheelbase

<b>Dimension Description</b>	<b>mm (in)</b>
Overall length.	5,339 (210.2)
Overall width including the exterior mirrors.	2,290 (90.2)
Overall height excluding the antenna.	1,968–2,373 (77.5–93.4)
Wheelbase.	3,300 (129.9)
Front track.	1,732–1,752 (68.2–69.0)
Rear track.	1,734–1,759 (68.3–69.3)

# Capacities and Specifications

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## VEHICLE DIMENSIONS - VAN

### Short Wheelbase

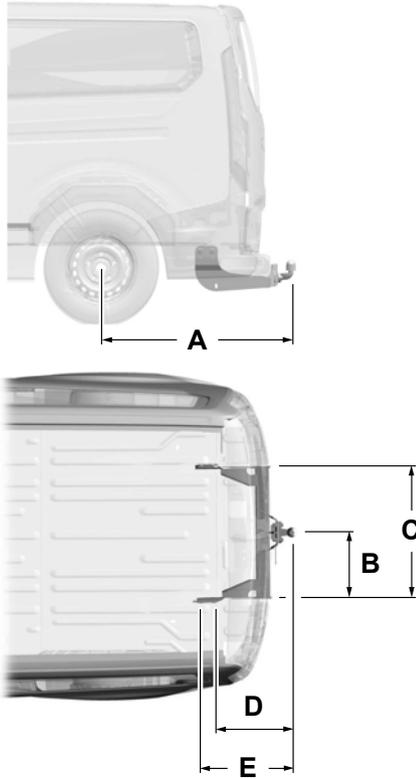
<b>Dimension Description</b>	<b>Dimension mm (in)</b>
Maximum length.	4,972 (195.7)
Overall width excluding exterior mirrors.	2,032 (80.0)
Overall height - EC curb weight.	1,959–2,367 (77.1–93.2)
Wheelbase.	2,933 (115.5)
Front track.	1,732–1,752 (68.2–69.0)
Rear track.	1,735–1,762 (68.3–69.4)

### Long Wheelbase

<b>Dimension Description</b>	<b>Dimension mm (in)</b>
Maximum length.	5,339 (210.2)
Overall width excluding exterior mirrors.	2,032 (80.0)
Overall height - EC curb weight.	1,954–2,343 (76.9–92.2)
Wheelbase.	3,300 (129.9)
Front track.	1,732–1,752 (68.2–69.0)
Rear track.	1,735–1,762 (68.3–69.4)

# Capacities and Specifications

## TOWBAR DIMENSIONS



E148831

Item	Dimension Description	Dimension in mm (inches)
A	Wheel center to center of tow ball.	1151 (45.3)
B	Center of tow ball to side member.	417 (16.4)
C	Distance between side members.	834 (32.8)

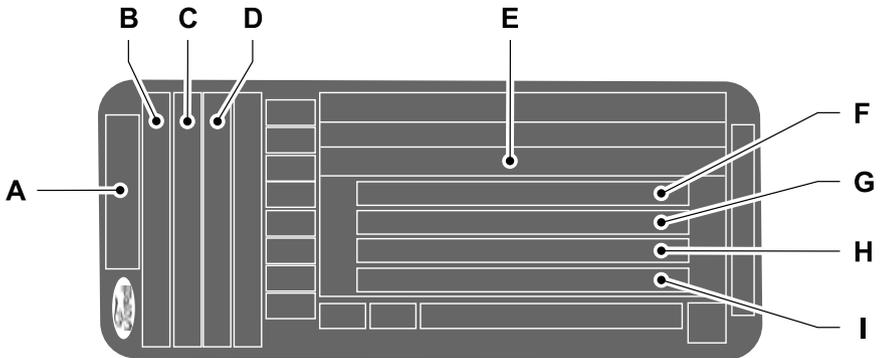
# Capacities and Specifications

Item	Dimension Description	Dimension in mm (inches)
D	Center of tow ball to center of first attachment point.	476 (18.7)
E	Center of tow ball to center of second attachment point.	551 (21.7)

## Maximum Permissible Trailer Vertical Weight

kg (lb)
112 kg (247 lb)

## VEHICLE IDENTIFICATION PLATE



- A Model.
- B Variant.
- C Engine designation.
- D Engine power and emission level.
- E Vehicle identification number.
- F Gross vehicle weight.
- G Gross train weight.

# Capacities and Specifications

- H Maximum front axle weight.
- I Maximum rear axle weight.

The vehicle identification plate is within the right-hand door aperture.

**Note:** *The vehicle identification plate may vary to that shown.*

**Note:** *Information on the vehicle identification plate is dependent upon market requirements.*

## VEHICLE IDENTIFICATION NUMBER



E71369

The vehicle identification number is located on the left-hand side of the instrument panel. You will also find it stamped into the right-hand front wheel arch.

## CAPACITIES AND SPECIFICATIONS - 2.0L ECOBLUE, BUS

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.
- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

## Air Conditioning System



**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear air conditioning.	4	0.003 tonnes
Vehicles with rear air conditioning.	4	0.004 tonnes

# Capacities and Specifications

## Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

## Materials

Name	Specification
Refrigerant - R-1234yf	WSS-M17B21-A
A/C Compressor Oil DE-12 FU7J-M2C300-AA	WSS-M2C300-A2

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	9.8 L (2.2 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 2 L (0.4 gal).

## Materials

Name	Specification
Engine Oil - SAE 0W-30	WSS-M2C950-A

### Engine Oil Top-Up

If you are unable to find engine oil that meets the specification defined by WSS-M2C950-A, you can top-up with a SAE 0W-30 engine oil that is defined by ACEA C2.

**Note:** Do not use more than 1 L (1.1 qt) of the alternative engine oil between scheduled service intervals.

# Capacities and Specifications

## Engine Coolant

### Capacities

Variant	Quantity
Vehicles without fuel fired heater and auxiliary heater.	11.2 L (2.5 gal)
Vehicles with fuel fired heater.	12 L (2.6 gal)
Vehicles with auxiliary heater.	13.3 L (2.9 gal)
Vehicles with fuel fired heater and auxiliary heater.	13.7 L (3.0 gal)

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
All.	70 L (15.4 gal)

## AdBlue® Tank

### Capacities

Variant	Quantity
All.	24 L (5.3 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	4.5 L (1.0 gal)

# Capacities and Specifications

## Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## CAPACITIES AND SPECIFICATIONS - 2.0L ECOBLUE, VAN

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

## Air Conditioning System



**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear air conditioning.	1430	1.06 tonnes
Vehicles with rear air conditioning.	1430	1.65 tonnes

# Capacities and Specifications

## Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

## Materials

Name	Specification
Refrigerant - R-134A	WSH-M17B19-A
Compressor Oil - Air Conditioning 6U7J-M1C231-CA	WSH-M1C231-B

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	9.8 L (2.2 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 2 L (0.4 gal).

## Materials

Name	Specification
Engine Oil - SAE 0W-30	WSS-M2C950-A

### Engine Oil Top-Up

If you are unable to find an engine oil that meets the specification defined by WSS-M2C950-A, you can top up with a SAE 0W-30 engine oil that is defined by ACEA C2.

**Note:** Do not use more than 1 L (0.2 gal) of the alternative engine oil between scheduled service intervals.

# Capacities and Specifications

## Engine Coolant

### Capacities

Variant	Quantity
Vehicles without fuel fired heater and auxiliary heater.	11.2 L (2.5 gal)
Vehicles with fuel fired heater.	12 L (2.6 gal)
Vehicles with auxiliary heater.	13.3 L (2.9 gal)
Vehicles with fuel fired heater and auxiliary heater.	13.7 L (3.0 gal)

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
All.	70 L (15.4 gal)

## AdBlue® Tank

### Capacities

Variant	Quantity
All.	24 L (5.3 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	4.5 L (1.0 gal)

# Capacities and Specifications

## Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## CAPACITIES AND SPECIFICATIONS - 2.2L DIESEL, BUS

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

## Air Conditioning System

**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear air conditioning.	4	0.003 tonnes
Vehicles with rear air conditioning.	4	0.004 tonnes

# Capacities and Specifications

## Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

## Materials

Name	Specification
Refrigerant - R-1234yf	WSS-M17B21-A
A/C Compressor Oil DE-12 FU7J-M2C300-AA	WSS-M2C300-A2

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	7.3 L (1.6 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 1.5 L (0.3 gal).

## Materials

Name	Specification
Engine Oil - SAE 5W-30	WSS-M2C913-D

### Engine Oil Top-Up

If you are unable to find engine oil that meets the specification defined by WSS-M2C913-D, you can top-up with a SAE 5W-30 engine oil that is defined by ACEA A5/B5.

**Note:** Do not use more than 1 L (0.2 gal) of the alternative engine oil between scheduled service intervals.

# Capacities and Specifications

## Engine Coolant

### Capacities

Variant	Quantity
Vehicles without fuel fired heater and auxiliary heater.	9.3 L (2.0 gal)
Vehicles with fuel fired heater.	10 L (2.2 gal)
Vehicles with auxiliary heater.	11.3 L (2.5 gal)
Vehicles with fuel fired heater and auxiliary heater.	11.7 L (2.6 gal)

### Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
Vehicles with standard fuel tank.	80 L (17.6 gal)
Vehicles with larger fuel tank.	95 L (20.9 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	4.5 L (1.0 gal)

### Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

# Capacities and Specifications

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## CAPACITIES AND SPECIFICATIONS - 2.2L DIESEL, VAN

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

### Air Conditioning System



**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear air conditioning.	1430	1.06 tonnes
Vehicles with rear air conditioning.	1430	1.65 tonnes

### Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

# Capacities and Specifications

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## Materials

Name	Specification
Refrigerant - R-134A	WSH-M17B19-A
Compressor Oil - Air Conditioning 6U7J-MIC231-CA	WSH-MIC231-B

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	7.3 L (1.6 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 1.5 L (0.3 gal).

## Materials

Name	Specification
Engine Oil - SAE 5W-30	WSS-M2C913-D

### Engine Oil Top-Up

If you are unable to find engine oil that meets the specification defined by WSS-M2C913-D, you can top-up with a SAE 5W-30 engine oil that is defined by ACEA A5/B5.

**Note:** Do not use more than 1 L (0.2 gal) of the alternative engine oil between scheduled service intervals.

# Capacities and Specifications

## Engine Coolant

### Capacities

Variant	Quantity
Vehicles without fuel fired heater and auxiliary heater.	9.3 L (2.0 gal)
Vehicles with fuel fired heater.	10 L (2.2 gal)
Vehicles with auxiliary heater.	11.3 L (2.5 gal)
Vehicles with fuel fired heater and auxiliary heater.	11.7 L (2.6 gal)

### Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
Vehicles with standard fuel tank.	80 L (17.6 gal)
Vehicles with larger fuel tank.	95 L (20.9 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	4.5 L (1.0 gal)

### Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

# Capacities and Specifications

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## CAPACITIES AND SPECIFICATIONS - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV), BUS

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

### Air Conditioning System



**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear climate control.	1430	1.06 tonnes
Vehicles with rear climate control.	1430	1.65 tonnes

### Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

# Capacities and Specifications

## Materials

Name	Specification
Refrigerant - R-134A	WSH-M17B19-A
Compressor Oil - Air Conditioning 6U7J-M1C231-CA	WSH-M1C231-B

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	4.6 L (1.0 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 1 L (0.2 gal).

## Materials

Name	Specification
Engine Oil - SAE 5W-20	WSS-M2C948-B

### Engine Oil Top-Up

If you are unable to find engine oil that meets the specification defined by WSS-M2C948-B, you can top-up with a SAE 5W-20 engine oil that is defined by ACEA A5/B5.

**Note:** Do not use more than 0.5 L (0.1 gal) of the alternative engine oil between scheduled service intervals.

### Engine Coolant

#### Capacities

Variant	Quantity
All.	11.85 L (2.6 gal)

# Capacities and Specifications

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## High Voltage Battery Coolant

### Capacities

Variant	Quantity
All.	8.55 L (1.9 gal)

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
All.	50 L (11.0 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	3.9 L (0.9 gal)

## Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

# Capacities and Specifications

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## CAPACITIES AND SPECIFICATIONS - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV), VAN

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle Warranty.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

### Air Conditioning System



**WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Variant	Global Warming Potential	CO <sub>2</sub> Equivalent
Vehicles without rear climate control.	1430	1.06 tonnes
Vehicles with rear climate control.	1430	1.65 tonnes

### Capacities

Variant	Refrigerant	Refrigerant Oil
Vehicles without rear air conditioning.	0.74 kg (26.1 oz)	130 cm <sup>3</sup> (4.4 fl oz)
Vehicles with rear air conditioning.	1.05 kg (37.0 oz)	180 cm <sup>3</sup> (6.1 fl oz)

# Capacities and Specifications

## Materials

Name	Specification
Refrigerant - R-134A	WSH-M17B19-A
Compressor Oil - Air Conditioning 6U7J-MIC231-CA	WSH-MIC231-B

## Engine

### Engine Oil

#### Capacities

Variant	Quantity
All.	4.6 L (1.0 gal)

**Note:** The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 1 L (0.2 gal).

## Materials

Name	Specification
Engine Oil - SAE 5W-20	WSS-M2C948-B

### Engine Oil Top-Up

If you are unable to find engine oil that meets the specification defined by WSS-M2C948-B, you can top-up with a SAE 5W-20 engine oil that is defined by ACEA A5/B5.

**Note:** Do not use more than 0.5 L (0.1 gal) of the alternative engine oil between scheduled service intervals.

### Engine Coolant

#### Capacities

Variant	Quantity
All.	9.05 L (2.0 gal)

# Capacities and Specifications

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## High Voltage Battery Coolant

### Capacities

Variant	Quantity
All.	8.55 L (1.9 gal)

## Materials

Name	Specification
Antifreeze Super Plus Premium FU7J-19544-xx	WSS-M97B44-D

## Fuel Tank

### Capacities

Variant	Quantity
All.	50 L (11.0 gal)

## Washer Reservoir

### Capacities

Variant	Quantity
All.	3.9 L (0.9 gal)

## Materials

Name	Specification
Screen Wash FU7J-19C544-AA/BA/DA/EA/GA/HA	WSS-M14P19-A

# Capacities and Specifications

## Brake System

### Materials

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2

## BULB SPECIFICATION CHART - VEHICLES WITH: HALOGEN HEADLAMPS

Lamp	Specification	Power (Watt)
Approach lamp.	W5W	5
Front position lamps.	W5W	5
Headlamp low beam.	H7	55
Headlamp high beam and daytime running lamp.	H15	55/15
Front direction indicator.	PY21W	21
Front fog lamps.	H8	35
Side direction indicator.	WY5W	5
Rear lamp and stoplamp.	P21/5W	21/5
High mounted stoplamp.	W16W	16
Rear direction indicator.	PY21W	21
Rear fog lamp.	P21W	21
Reversing lamp.	W16W	16
License plate lamp.	W5W	5
Luggage compartment lamp.	211 Festoon	10

# Capacities and Specifications

## BULB SPECIFICATION CHART - VEHICLES WITH: HALOGEN PROJECTOR HEADLAMPS

Lamp	Specification	Power (Watt)
Approach lamp.	W5W	5
Daytime running lamps and front position lamps.	LED.	12.5/1.5
Headlamp low beam.	H7	55
Headlamp high beam.	H1	55
Front direction indicator.	PY21W	21
Front fog lamps.	H8	35
Side direction indicator.	WY5W	5
Rear lamp and stoplamp.	P21/5W	21/5
High mounted stoplamp.	W16W	16
Rear direction indicator.	PY21W	21
Rear fog lamp.	P21W	21
Reversing lamp.	W16W	16
License plate lamp.	W5W	5
Luggage compartment lamp.	211 Festoon	10

# Capacities and Specifications

## **BULB SPECIFICATION CHART - VEHICLES WITH: HIGH INTENSITY DISCHARGE HEADLAMPS**

<b>Lamp</b>	<b>Specification</b>	<b>Power (Watt)</b>
Approach lamp.	W5W	5
Daytime running lamps and front position lamps.	LED.	12.5/1.5
Headlamp low beam and headlamp high beam.	D5S	25
Cornering lamps.	H1	55
Front direction indicator.	PY21W	21
Front fog lamps.	H8	35
Side direction indicator.	WY5W	5
Rear lamp and stoplamp.	P21/5W	21/5
High mounted stoplamp.	W16W	16
Rear direction indicator.	PY21W	21
Rear fog lamp.	P21W	21
Reversing lamp.	W16W	16
License plate lamp.	W5W	5
Luggage compartment lamp.	211 Festoon	10

# Capacities and Specifications

## FUEL CONSUMPTION FIGURES

### Fuel Economy and CO<sub>2</sub> Emissions

The declared fuel/energy consumptions, CO<sub>2</sub>-Emissions and electric range are determined according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EU) 2017/1151 as last amended. Light Duty Vehicle type-approved using the World Harmonised Light Vehicle Test Procedure (WLTP) will have Fuel/Energy Consumption and CO<sub>2</sub>-Emission information for New European Drive Cycle (NEDC) and WLTP. WLTP will fully replace the NEDC latest by the end of the year 2020. The applied standard test procedures enable comparison between different vehicle types and different manufacturers.

During NEDC phase-out, WLTP fuel consumption and CO<sub>2</sub> emissions are being correlated back to NEDC. There will be some variance to the previous fuel economy and emissions as some elements of the tests have altered, so the same car might have different fuel consumption and CO<sub>2</sub> emissions.

### European Directive 1999/94/EC

In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel consumption and CO<sub>2</sub> emissions. CO<sub>2</sub> is the main greenhouse gas responsible for global warming. A guide on fuel economy and CO<sub>2</sub> emissions which contains data for all new passenger car models is available at any point of sale free of charge.

## FUEL CONSUMPTION FIGURES - 2.0L ECOBLUE

### NEDC

Urban	Extra-Urban	Combined	CO <sub>2</sub> Emissions
L/100 km (mpg)	L/100 km (mpg)	L/100 km (mpg)	g/km
7.8–5.6 (36–50)	7–4.4 (40–64)	7.3–4.9 (39–58)	127–192

### WLTP

Low	Medium	High	Extra-High	Combined	CO <sub>2</sub> Emissions
L/100 km (mpg)	L/100 km (mpg)	L/100 km (mpg)	L/100 km (mpg)	L/100 km (mpg)	g/km
11.6–6.7 (24–42)	9.8–5.5 (29–51)	9.8–5.3 (29–53)	13.6–5.3 (21–53)	11.4–5.5 (25–51)	145–299

# Capacities and Specifications

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## FUEL CONSUMPTION FIGURES - 2.2L DIESEL

### NEDC

<b>Urban</b>	<b>Extra-Urban</b>	<b>Combined</b>	<b>CO<sub>2</sub> Emissions</b>
<b>L/100 km (mpg)</b>	<b>L/100 km (mpg)</b>	<b>L/100 km (mpg)</b>	<b>g/km</b>
8.9–6.6 (32–43)	7.2–5.7 (39–50)	7.8–6 (36–47)	159–206

## Capacities and Specifications

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### FUEL CONSUMPTION FIGURES - PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

<b>Combined</b>	<b>CO<sub>2</sub> Emissions</b>
<b>L/100 km (mpg)</b>	<b>g/km</b>
2.9 (97)	66

# Connected Vehicle

## WHAT IS A CONNECTED VEHICLE

A connected vehicle has technology that allows your vehicle to connect to a mobile network and for you to access a range of features. When used in conjunction with the FordPass app, it could allow you to monitor and control your vehicle further, for example checking the tire pressures, the fuel level and the vehicle location. For additional information, refer to the local Ford website.

## CONNECTED VEHICLE REQUIREMENTS

Connected service and related feature functionality requires a compatible vehicle network.

Some remote features require additional service activation. Log in to your Ford account for details. Some restrictions, third party terms and message or data rates may apply.

## CONNECTED VEHICLE LIMITATIONS

Evolving technology, cellular networks, or regulations could affect functionality and availability, or continued provision of some features. These changes could even stop some features from functioning.

## CONNECTING THE VEHICLE TO A MOBILE NETWORK

### WHAT IS THE MODEM



The modem allows access to a range of features built into your vehicle.

### ENABLING AND DISABLING THE MODEM - VEHICLES WITHOUT: SYNC/SYNC 3

1. Using the information display controls on the steering wheel, select **Settings**.
2. Select **FordPass Connect**.
3. Select **Connectivity**.
4. Switch connectivity features on or off.

### ENABLING AND DISABLING THE MODEM - VEHICLES WITH: SYNC

1. Select **Settings**.
2. Select **Connectivity features**.
3. Select **Data sharing**.
4. Switch connectivity features on or off.

### ENABLING AND DISABLING THE MODEM - VEHICLES WITH: SYNC 3

1. Press **Settings**.
2. Press **FordPass Connect**.
3. Press **Connectivity settings**.
4. Switch connectivity features on or off.

### CONNECTING FORDPASS TO THE MODEM

1. Make sure that the modem is enabled using the vehicle settings menu.
2. Open the FordPass app on your device and log in.
3. Add your vehicle or select your vehicle if already added.
4. Select the option for vehicle details.
5. Select the option to activate your vehicle.
6. Make sure that the name on the screen matches the name shown in your FordPass account.

# Connected Vehicle

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7. Confirm that FordPass account is connected to the modem.

## CONNECTING THE VEHICLE TO A WI-FI NETWORK

1. Press **Settings**.

2. Press **Wi-Fi**.

3. Switch **Wi-Fi** on.

4. Press **View available networks**.

5. Select an available Wi-Fi network.

**Note:** Enter the network password to connect to a secure network.

## CONNECTED VEHICLE – TROUBLESHOOTING - VEHICLES WITH: MODEM

Symptom	Possible Cause and Resolution
I cannot confirm the connection of my FordPass account to the modem.	<ul style="list-style-type: none"><li>- Modem is not enabled.<ul style="list-style-type: none"><li>• Switch connectivity features on.</li></ul></li><li>- Weak network signal.<ul style="list-style-type: none"><li>• Move your vehicle closer to a place where the network signal is not obstructed.</li></ul></li></ul>

# Connected Vehicle

## CONNECTED VEHICLE – TROUBLESHOOTING - VEHICLES WITH: SYNC/SYNC 3

Symptom	Possible Cause and Resolution
I cannot connect to a Wi-Fi network.	<ul style="list-style-type: none"><li>– Password error.<ul style="list-style-type: none"><li>• Enter the correct network password.</li></ul></li><li>– Weak network signal.<ul style="list-style-type: none"><li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li></ul></li><li>– Multiple access points in range with the same SSID.<ul style="list-style-type: none"><li>• Use a unique name for your SSID. Do not use the default name unless it contains a unique identifier, for example as part of the MAC address.</li></ul></li></ul>
The Wi-Fi connection disconnects after successful connection.	<ul style="list-style-type: none"><li>– Weak network signal.<ul style="list-style-type: none"><li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li></ul></li></ul>
I am close to a Wi-Fi hotspot but the network signal strength is weak.	<ul style="list-style-type: none"><li>– Obstructed network signal.<ul style="list-style-type: none"><li>• If your vehicle has a heated windshield, position your vehicle so that the windshield is not facing the Wi-Fi hotspot.</li><li>• If your vehicle has metallic tinting on the windows but not on the windshield, position your vehicle so that the windshield is facing the Wi-Fi hotspot or open the windows that are facing the hotspot.</li><li>• If your vehicle has metallic tinting on the windows and the windshield, open the windows that are facing the hotspot.</li><li>• If your vehicle is in a garage and you have the garage door closed, open the garage door.</li></ul></li></ul>
I cannot see a network in the list of available networks that I expect to see.	<ul style="list-style-type: none"><li>– Hidden network.<ul style="list-style-type: none"><li>• Make the network visible and try again.</li></ul></li></ul>

# Connected Vehicle

<b>Symptom</b>	<b>Possible Cause and Resolution</b>
I cannot see the Wi-Fi hotspot name when I search for Wi-Fi networks on my cell phone or other device.	<ul style="list-style-type: none"><li>- System limitation.<ul style="list-style-type: none"><li>• Make sure Wi-Fi hotspot visibility is on.</li><li>• The system does not provide a Wi-Fi hotspot at this time.</li></ul></li></ul>
Software downloads take too long.	<ul style="list-style-type: none"><li>- Weak network signal.<ul style="list-style-type: none"><li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li></ul></li><li>- Wi-Fi hotspot in high demand or has a slow Internet connection.<ul style="list-style-type: none"><li>• Use a more reliable Wi-Fi hotspot.</li></ul></li></ul>
The system seems to connect to a Wi-Fi network and the signal strength is excellent but the software does not update.	<ul style="list-style-type: none"><li>- No software update available.</li><li>- Wi-Fi network requires a subscription or acceptance of terms and conditions.<ul style="list-style-type: none"><li>• Test the connection using another device. If the network requires a subscription or acceptance of terms and conditions, contact the network service provider.</li></ul></li></ul>

# Vehicle Wi-Fi Hotspot

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## CREATING A VEHICLE WI-FI HOTSPOT

You can create a Wi-Fi hotspot in your vehicle and allow devices to connect to it for access to the Internet.

1. Select **Settings**.
2. Select **FordPass Connect**.
3. Select **Vehicle Hotspot**.

**Note:** The vehicle hotspot default setting is on.

4. Select **Settings**.
5. Select **Edit**.
6. Select **Wi-Fi visibility**.

**Note:** The Wi-Fi Visibility default setting is on.

## Finding the Wi-Fi Hotspot Name and Password

1. Select **Settings**.
2. Select **FordPass Connect**.
3. Select **Vehicle Hotspot**.
4. Select **Settings**.

**Note:** The SSID is the hotspot name.

5. Select **View password**.

## Connecting a Device to the Wi-Fi Hotspot

1. On your device, turn on Wi-Fi and select the hotspot from the list of available Wi-Fi networks.
2. When prompted, enter the password.

## Purchasing a Data Plan

1. Connect a device to the hotspot.

**Note:** The vehicle network carrier's portal opens on your device.

2. If the portal does not open on your device, open a website and it redirects to the vehicle network carrier's portal.

**Note:** Secure websites do not redirect.

**Note:** If you have an active plan, the system does not redirect to the vehicle network carrier's portal when you connect a device. Visit the vehicle network carrier's website to purchase more data.

**Note:** If data usage information is available in the vehicle hotspot menu, it is approximate.

**Note:** If you carry out a master reset, the system does not remove your vehicle from your vehicle network carrier's account. To remove your vehicle from the account, contact your vehicle network carrier.

**Note:** The vehicle network carrier provides Vehicle Hotspot services, subject to your vehicle network carrier agreement, coverage and availability.

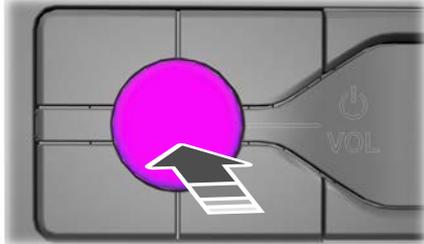
## CHANGING THE VEHICLE WI-FI HOTSPOT NAME OR PASSWORD

1. Select **Settings**.
2. Select **FordPass Connect**.
3. Select **Vehicle Hotspot**.
4. Select **Settings**.
5. Select **Edit**.
6. Select **Change SSID name**.
7. Enter your required SSID.
8. Select **Done**.
9. Select **Change password**.
10. Enter your required password.
11. Select **Done**.

# Audio System

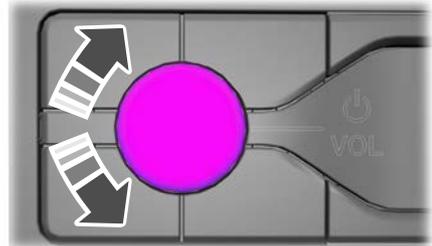
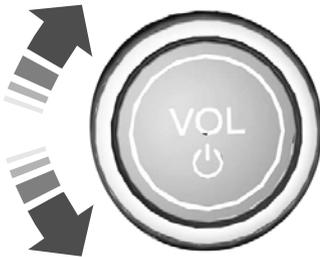
## AUDIO UNIT - VEHICLES WITHOUT: SYNC

### Switching the Audio Unit On and Off



E260686

### Adjusting the Volume



E260697

### Selecting the Radio

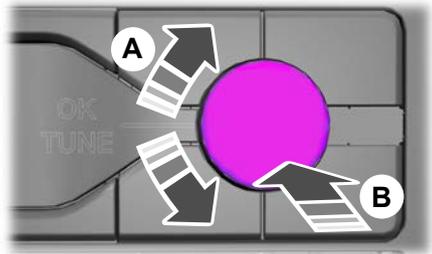


Press the button to select radio mode.

Press the button again to display the available radio sources. Repeatedly press the button to scroll through the available radio sources.

### Changing Radio Stations

#### Manual Tuning



E260687

- A Tune by station list or tune by frequency.
- B Station list tuning.

# Audio System



E248947

**Note:** You can change radio stations using the seek buttons.

**Note:** You can recall radio stations using the numeric preset buttons.

## Selecting Media



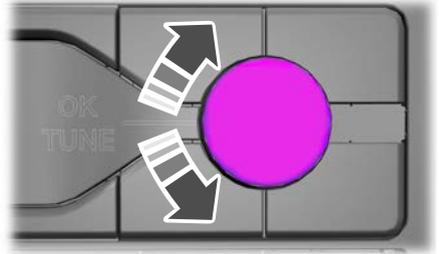
Press the button to select media mode.

Press the button again to display the available media sources. Repeatedly press the button to scroll through the available media sources.

## Scrolling Through the Menu Options



E248947



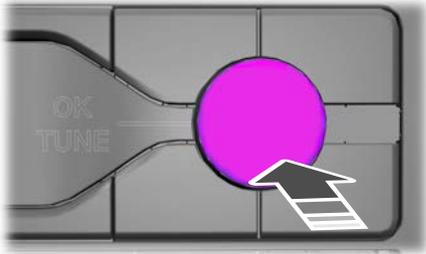
E260782

# Audio System

## Selecting a Menu Option



E248946



E260781

## Returning to the Previous Screen



## Seek Up and Next Track Button



## Seek Down and Previous Track Button



## Pausing or Playing Media



In media mode, press the button to pause playback. Press the button again to resume playback.

In radio mode, press the button to mute the radio. Press the button again to unmute.

## Switching the Screen On and Off



## System Settings



## Sound Settings



Press the button to adjust the sound settings. You can optimize the sound for different seating positions.

You can also activate and set the sensitivity of the speed compensated volume.

## Using a Cell Phone



You can make a call from a recent call list, contact list or dial a number.

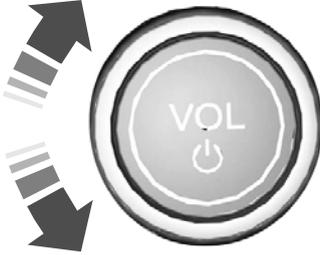
## AUDIO UNIT - VEHICLES WITH: SYNC 2.5

## Switching the Audio Unit On and Off

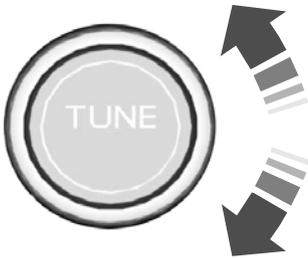


# Audio System

## Adjusting the Volume



## Changing Radio Stations



Rotate the control to change radio stations.

**Note:** You can change the radio frequency by using the seek buttons.

**Note:** You can recall radio stations using the preset buttons on the touchscreen.

## Next Track Button



Select to skip to the next track. Press and hold the button to fast forward through the track.

## Previous Track Button



Select to return to the beginning of a track.

Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind.

## Pausing or Playing Media



Select to play a track. Press the button again to pause the track.

In radio mode, press the button to mute the radio. Press the button again to unmute.

## Switching the Screen On and Off



## Sound Settings



Press the button to adjust the sound settings. You can optimize the sound for different seating positions.

You can also activate and set the sensitivity of the speed compensated volume.

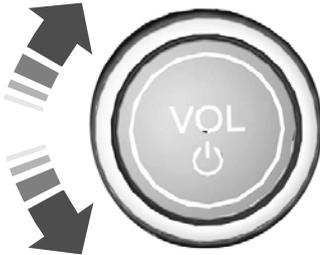
# Audio System

## AUDIO UNIT - VEHICLES WITH: SYNC 3

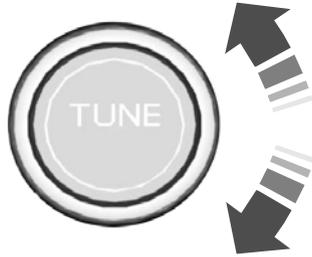
### Switching the Audio Unit On and Off



### Adjusting the Volume



### Changing Radio Stations Manual Tuning



**Note:** You can change radio stations using the seek buttons.

**Note:** You can recall radio stations using the preset buttons on the touchscreen.

### Next Track Button



Select to skip to the next track.

Press and hold the button to fast forward through the track.

### Previous Track Button



Select to return to the beginning of a track.

Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind.

### Pausing or Playing Media



Select to play a track. Press the button again to pause the track.

# Audio System

In radio mode, press the button to mute the radio. Press the button again to unmute.

## Switching the Screen On and Off



## Sound Settings



Press the button to adjust the sound settings. You can optimize the sound for different seating positions.

You can also activate and set the sensitivity of the speed compensated volume.

## AM/FM RADIO - VEHICLES WITHOUT: SYNC

### Selecting a Radio Source



1. Press the button to display the available radio sources.
2. Repeatedly press the button to scroll to the desired radio source.
3. Press the **OK** button.

### Station Presets

To store a radio station, press and hold one of the numeric preset buttons.

**Note:** Six presets can be stored for each radio source.

## Manually Changing Radio Stations



E248947

Rotate the control to change radio stations.

**Note:** You can change the radio frequency by using the seek buttons.

### Automatically Changing Radio Stations



Press to seek the next station up the frequency band.

Press and hold to quickly seek up the frequency band.



Press to seek the next station down the frequency band.

Press and hold to quickly seek down the frequency band.

### Selecting a Station from the List

Press the **OK** button to view available stations.

# Audio System

## AM/FM RADIO - VEHICLES WITH: SYNC 2.5

### Using the Radio

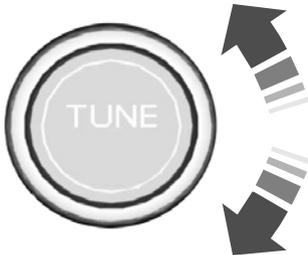


Select the audio option on the feature bar.

### Selecting a Radio Station From a List

1. Select **Sources**.
2. Select **FM**.
3. Select **Stations**.
4. Select a radio station from the list.

### Manually Changing Radio Stations



Rotate the control to change radio stations.

**Note:** You can change the radio frequency by using the seek buttons.

### Automatically Changing Radio Stations



Press to seek the next station up the frequency band.

Press and hold to quickly seek up the frequency band.



Press to seek the next station down the frequency band.

Press and hold to quickly seek down the frequency band.

### Storing a Radio Station

Press and hold one of the preset buttons on the touchscreen.

**Note:** The radio briefly mutes to indicate the station has been stored.

## DIGITAL RADIO - VEHICLES WITHOUT: SYNC

### Selecting a Radio Source



1. Press the button to display the available radio sources.
2. Repeatedly press the button to scroll to the desired radio source.
3. Press the **OK** button.

### Station Presets

To store a station, press and hold one of the numeric preset buttons.

**Note:** Six presets can be stored for each radio source.

# Audio System

## Manually Changing Stations



E248947

Rotate the control to change radio stations.

**Note:** You can change the radio frequency by using the seek buttons.

## Automatically Changing Radio Stations



Press to seek the next station up the frequency band.

Press and hold to quickly seek up the frequency band.



Press to seek the next station down the frequency band.

Press and hold to quickly seek down the frequency band.

## Selecting a Station from the List

Press the **OK** button to view available ensembles. Select the desired ensemble and station from the list.

## DIGITAL RADIO - VEHICLES WITH: SYNC 2.5

### Using the Radio

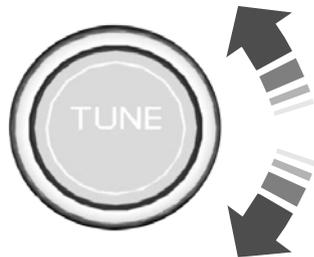


Select the audio option on the feature bar.

### Selecting a Radio Station From a List

1. Select **Sources**.
2. Select **DAB**.
3. Select **Stations**.
4. Select a radio station from the list.

### Manually Changing Radio Stations



Rotate the control to change radio stations.

**Note:** You can change the radio frequency by using the seek buttons.

## Automatically Changing Radio Stations



Press to seek the next station up the frequency band.

Press and hold to quickly seek up the frequency band.

# Audio System



Press to seek the next station down the frequency band.

Press and hold to quickly seek down the frequency band.

## Storing a Radio Station

Press and hold one of the preset buttons on the touchscreen.

**Note:** *The radio briefly mutes to indicate the station has been stored.*

## AUDIO UNIT CLOCK AND DATE DISPLAYS - VEHICLES WITHOUT: SYNC

### Adjusting the Clock



Press the button.

Select the clock and follow the instructions on the screen.

## AUDIO UNIT CLOCK AND DATE DISPLAYS - VEHICLES WITH: SYNC 2.5



Select the settings option on the feature bar.

1. Select **Clock**.
2. Adjust the clock.

## CONNECTING A BLUETOOTH® DEVICE - VEHICLES WITHOUT: SYNC

### Pairing a Device



Press the button.

Select **Bluetooth®** and follow the instructions on the screen.

**Note:** *When pairing a new device, you can choose to download contacts, set this as the primary device and enable Emergency Assistance.*

## CONNECTING A BLUETOOTH® DEVICE - VEHICLES WITH: SYNC 2.5

Go to the settings menu on your device and switch **Bluetooth®** on.



Select the settings options on the feature bar.

1. Select **Bluetooth**.
2. Switch **Bluetooth®** on.
3. Select **Add a Bluetooth device**.

**Note:** *A prompt alerts you to search for your vehicle on your device.*

4. Select your vehicle on your device.

**Note:** *A number appears on your device and on the touchscreen.*

5. Confirm that the number on your device matches the number on the touchscreen.

**Note:** *The touchscreen indicates that you have successfully paired your device.*

## STREAMING BLUETOOTH AUDIO - VEHICLES WITHOUT: SYNC

### Selecting a Bluetooth® Source



1. Press the button to display the menu.

# Audio System

2. Repeatedly press the button to scroll to the **Bluetooth®** device.
3. Press the **OK** button.



Press the button to play the track. Press the button again to pause the track.



Press the button to skip to the next track.

Press and hold the button to fast forward through the track.



Press the button once to return to the beginning of the track. Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind.

**Note:** *Not all functions are supported by all phones.*

## STREAMING BLUETOOTH AUDIO - VEHICLES WITH: SYNC 2.5

Check the compatibility of your device on the local Ford website.

Pair your device. See **Connecting a Bluetooth® Device** (page 408).



Select the audio option on the feature bar.

Select **Sources**.



Select the **Bluetooth®** option.



Press the button to play the track. Press the button again to pause the track.



Press the button to skip to the next track.

Press and hold the button to fast forward through the track.



Press the button once to return to the beginning of the track. Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind.

## PLAYING MEDIA FROM A USB DEVICE - VEHICLES WITHOUT: SYNC

### Supported Audio File Formats

You can play audio file formats including MP3, WMA, WAV, M4A, M4B, AAC, and FLAC.

**Note:** *The NTFS file system is not supported.*

### Selecting the USB Device



Press the button to display the menu.

Repeatedly press the button to scroll to your USB device.

Press the **OK** button.

### Playing from the USB Device



Press the button to play a track. Press the button again to pause the track.



Press the button to skip to the next track.

Press and hold the button to fast forward through the track.



Press the button once to return to the beginning of a track. Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind.

# Audio System

## Sorting by Categories

You can also sort and play music by specific categories, for example artist or album.

Press the **OK** button to view the available categories.

## PLAYING MEDIA FROM A USB DEVICE - VEHICLES WITH: SYNC 2.5

### Supported File Formats

The system supports the following file formats:

- MP3, M4A, M4B, WMA, WAV, AAC, FLAC, APE and AIFF audio file formats.
- ext2, exFAT, FAT, FAT32, NTFS and HFS+ file systems.

### Selecting the USB Device

Connect your device to the USB port.



Select the audio option on the feature bar.

Select **Sources**.



Select the USB option.

### Playing from the USB Device



Press the button to play a track. Press the button again to pause the track.



Press the button to skip to the next track.

Press and hold the button to fast forward through the track.



Press the button once to return to the beginning of a track. Repeatedly press the button to return to previous tracks.

Press and hold the button to fast rewind through the track.

## Sorting by Categories

You can also sort and play music by specific categories, for example artist or album.

## USB PORT

The USB ports are on the instrument panel and inside the storage compartment above the instrument cluster.

You can use the USB port to charge a device only when the engine is running.

## APPS - VEHICLES WITH: SYNC 2.5

**Note:** We recommend that you check your data plan before using your apps through the system. Using them could result in additional charges.

**Note:** We recommend that you check the app provider's terms and conditions and privacy policy before using their app.

**Note:** Make sure that you have an active account for apps that you want to use through the system.

**Note:** Some apps will work with no setup. Others require you to configure some personal settings before you can use them.

### Using Apple CarPlay

#### Switching Apple CarPlay On

1. Connect your device to a USB port.

# Audio System

2. Follow the instructions on the touchscreen.

**Note:** *Certain features of the system are not available when you are using Apple CarPlay.*

## Switching Apple CarPlay Off



Select the settings option on the feature bar.

1. Select **Apple CarPlay preferences**.
2. Disable Apple CarPlay.

## Using Apps on an iOS Device

**Note:** *For more information about available apps, refer to the local Ford website.*

When you start an app through the system for the first time, you could be asked to grant certain permissions. You can review and change the permissions that you have granted at any time when your vehicle is not moving.



Select the apps option on the feature bar.

1. Switch Apple CarPlay off.
2. Connect your device to a USB port.
3. Start the apps on your device that you want to use through the system.

**Note:** *If you close the apps on your device, you will not be able to use them through the system.*

4. Select **Find mobile apps**.

**Note:** *The system searches and connects to compatible apps that are running on your device.*

5. Select the app that you want to use on the touchscreen.

## Using Android Auto

### Switching Android Auto On

1. Connect your device to a USB port.
2. Follow the instructions on the touchscreen.

**Note:** *You might need to enable Android Auto from the settings menu.*

**Note:** *Certain features of the system are not available when you are using Android Auto.*

### Switching Android Auto Off



Select the settings option on the feature bar.

1. Select **Android Auto preferences**.
2. Disable Android Auto.

## Using Apps on an Android Device

**Note:** *For more information about available apps, refer to the local Ford website.*

When you start an app through the system for the first time, you could be asked to grant certain permissions. You can review and change the permissions that you have granted at any time when your vehicle is not moving.



Select the apps option on the feature bar.

1. Switch Android Auto off.
2. Pair your device.
3. Start the apps on your device that you want to use through the system.

**Note:** *If you close the apps on your device, you will not be able to use them through the system.*

4. Select **Find mobile apps**.

**Note:** *The system searches and connects to compatible apps that are running on your device.*

# Audio System

5. Select the app that you want to use on the touchscreen.

## Apps Troubleshooting

Symptom	Possible Cause and Resolution
The system cannot find any apps.	<ul style="list-style-type: none"><li>– Incompatible device.<ul style="list-style-type: none"><li>• You will need an Android device with OS 2.3 or higher or an iOS 3GS device with iOS 5.0 or higher. Pair and connect your Android device to find AppLink compatible apps. Connect your iOS device to a USB port to find AppLink compatible apps.</li></ul></li></ul>
I have a compatible device and it is correctly connected but the system still cannot find any apps.	<ul style="list-style-type: none"><li>– AppLink compatible apps not installed on your device.<ul style="list-style-type: none"><li>• Download and install the latest version of the app.</li></ul></li><li>– AppLink compatible apps not running on your device.<ul style="list-style-type: none"><li>• Start the apps to allow the system to find them and make sure you sign in to any apps if required.</li></ul></li><li>– Incorrect app settings.<ul style="list-style-type: none"><li>• Check and adjust the app settings on your device and allow the system to access the app if required.</li></ul></li></ul>
I have a compatible device, it is correctly connected and my apps are running but the system still cannot find any apps.	<ul style="list-style-type: none"><li>– Apps failed to fully close.<ul style="list-style-type: none"><li>• Restart the apps and try again.</li></ul></li></ul>
I have an Android device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"><li>– An issue on some older versions of the Android operating system could result in apps not being found.<ul style="list-style-type: none"><li>• Switch <b>Bluetooth®</b> off and on again to force the system to reconnect to your device.</li></ul></li></ul>

# Audio System

Symptom	Possible Cause and Resolution
I have an iOS device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"><li>– Cable connection issue.<ul style="list-style-type: none"><li>• Disconnect the cable from your device, wait for a moment and then connect it again to force the system to reconnect to your device.</li></ul></li></ul>
I have an Android device running a media app which the system has found but I cannot hear the sound or the sound is very quiet.	<ul style="list-style-type: none"><li>– Device volume is low.<ul style="list-style-type: none"><li>• Turn the volume up on your device.</li></ul></li></ul>
I have an Android device running a number of compatible apps but the system cannot find all of them.	<ul style="list-style-type: none"><li>– Device limitation. Some Android devices have a limited number of <b>Bluetooth®</b> ports that apps can use to connect. If you have more apps running on your device than the number of available <b>Bluetooth®</b> ports, the system cannot find all of them.<ul style="list-style-type: none"><li>• Close some of the apps to allow the system to find those that you want to use.</li></ul></li></ul>

## USING VOICE RECOGNITION

### Phone Voice Service

This system allows you to use the voice recognition features of your phone and focus on your driving.



Press the voice control button on the steering wheel.

**Note:** This only works when connected via **Bluetooth®**. See **Connecting a Bluetooth® Device** (page 408).

**Note:** When using voice recognition use the language set on the device.

**Note:** We recommend that you check your data plan before using your phone voice service through the system. Using them could result in additional charges.

# Audio System

## AUDIO SYSTEM – TROUBLESHOOTING - VEHICLES WITH: SYNC 2.5

Symptom	Possible Cause and Resolution
The system is not functioning.	<ul style="list-style-type: none"><li>You can reset the system to restore functionality that has stopped working.<ul style="list-style-type: none"><li>The system reset is designed to restore functionality and does not delete any personal data that you have stored.</li></ul></li></ul>
I want to delete personal data from the system.	<ul style="list-style-type: none"><li>A master reset is required to restore the system back to factory settings.<ul style="list-style-type: none"><li>This deletes any personal data that you have stored.</li></ul></li></ul>
The system is not up to date.	<ul style="list-style-type: none"><li>The latest version has not been installed.<ul style="list-style-type: none"><li>You can download the latest version or set the system to automatically update.</li></ul></li></ul>

### Resetting the System

- Simultaneously press and hold the seek up and the audio unit power buttons until the screen goes black.
- Wait three minutes to allow the system to complete the reset.

### Updating the System

**Note:** We may need to update operating system software on your vehicle, including security updates and bug fixes, to keep connected services current, like Vehicle Hotspot, without prior notice to you.

### Updating the System Using a USB Drive

#### Downloading an Update

- Go to the system update page on the local Ford website.
- Download the update.

**Note:** The website notifies you if an update is available.

- Insert a USB drive into your computer.

**Note:** The USB drive needs to be empty and meet the minimum requirements detailed on the website.

- Follow the instructions provided to download the update to the USB drive.

#### Installing an Update

**Note:** You can use the system when an installation is in progress.

- Disconnect all other USB devices from the USB ports.
- Connect the USB drive with the update to a USB port.

**Note:** Installation starts automatically within 10 minutes.

### Updating the System Using a Wi-Fi Network Connection

#### Connecting to a Wi-Fi Network



Select the settings option on the feature bar.

# Audio System

---

1. Select **Wi-Fi**.
2. Select **View available networks**.
3. Select an available network.

**Note:** Enter the network password to connect to a secure network.

## Switching Automatic System Updates On



Select the settings option on the feature bar.

1. Select **Automatic updates**.
2. Switch automatic system updates on.

The system is now set to check for and receive system updates when it is connected to a Wi-Fi network.

**Note:** You can use the system when a download is in progress.

**Note:** If the system is disconnected from the Wi-Fi network when a download is in progress, the download continues the next time the system is connected to a Wi-Fi network.

## Master Reset



Select the settings option on the feature bar.

1. Select **General**.
2. Select **Master reset**.
3. Select **Continue**.

**Note:** If you carry out a master reset, the system does not remove your vehicle from your vehicle network carrier's account. To remove your vehicle from the account, contact your vehicle network carrier.

**Note:** If you carry out a master reset, the system removes any authorized users and personal data.

## GENERAL INFORMATION



**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

### About SYNC

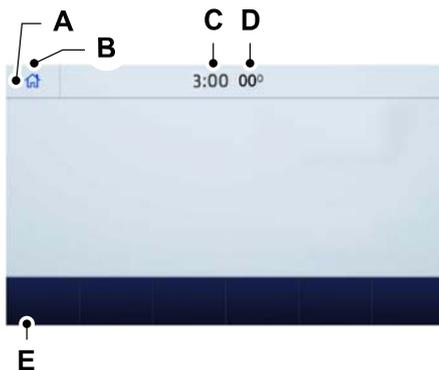
The system allows you to interact with the entertainment, information and communication systems on your vehicle using voice commands and a touchscreen. The system provides easy interaction with audio, phone, navigation, mobile apps and settings.

**Note:** You can switch the system on and use it for up to an hour without switching the ignition on.

**Note:** You can use the system after you switch the ignition off for up to 10 minutes or until you open a door.

**Note:** For your safety, some features are speed-dependent. Their use is limited to when your vehicle speed is less than 5 km/h (3 mph).

## Using the Touchscreen



- A Status bar.
- B Home screen.
- C Clock. See **Settings** (page 433).
- D Outside air temperature.
- E Feature bar.

### Status Bar



Cell phone microphone muted.



Audio system muted.



Software update installed.



Wi-Fi connected.



Cell phone roaming.



Text message received.



Emergency Assistance off.



Cell phone network signal strength.



Vehicle data sharing on.



Vehicle location sharing on.



Vehicle data and vehicle location sharing on.



Traffic data source: Live traffic.



Traffic data source: Traffic broadcast.



Wireless charger active.

## Feature Bar



Select to use the radio, a USB, a media player or a Bluetooth device. See **Entertainment** (page 424).



Select to adjust climate settings.



Select to make calls and access the phonebook on your cell phone. See **Phone** (page 426).



Select to use the navigation system. See **Navigation** (page 428).



Select to search for and use compatible apps on your iOS or Android device. See **Apps** (page 432).



Select to adjust system settings. See **Settings** (page 433).

## Cleaning the Touchscreen

See **Cleaning Displays and Screens** (page 339).

## Updating the System

### Updating the System Using a USB Drive

#### Downloading an Update

1. Go to the SYNC update page on the local Ford website.
2. Download the update.

**Note:** *The website notifies you if an update is available.*

3. Insert a USB drive into your computer.

**Note:** *The USB drive needs to be empty and meet the minimum requirements detailed on the website.*

4. Follow the instructions provided to download the update to the USB drive.

#### Installing an Update

**Note:** *You can use the system when installation is in progress.*

1. Disconnect all other USB devices from the USB ports.
2. Connect the USB drive with the update to a USB port.

**Note:** *Installation starts automatically within 10 minutes.*

### Updating the System Using a Wi-Fi Network Connection

#### Switching Automatic System Updates On

1. Select **Settings**.
2. Select **Automatic updates**.
3. Switch **Automatic system updates** on.

# SYNC™ 3

The system is now set to check for and receive system updates when it is connected to a Wi-Fi network.

**Note:** You can use the system when download is in progress.

**Note:** If the system is disconnected from the Wi-Fi network when download is in progress, the download continues the next time the system is connected to a Wi-Fi network.

## Connecting to a Wi-Fi Network

See **Connecting the Vehicle to a Wi-Fi Network** (page 396).

## Additional Information and Assistance

For additional information and assistance, we recommend that you contact an authorized dealer or refer to the local Ford website.

## USING VOICE RECOGNITION

The system allows you to interact with the entertainment, information and communication systems on your vehicle using voice commands. This allows you to keep your hands on the steering wheel and focus on what is in front of you.



Press the voice control button on the steering wheel and wait for the voice prompt.

**Note:** Press the voice control button again to interrupt a voice prompt and begin speaking.

**Note:** Turn the volume control when a voice prompt plays to adjust the volume.

**Note:** Press and hold the voice control button on the steering wheel to use Siri on your iOS device.

The following voice commands are designed to help you from any screen:

- **List of commands**
- **Help**

The following tables list some of the more frequently used voice commands. For a complete list of voice commands, refer to the local Ford website.

## General

Voice Command	Description
___ list of commands	Get a list of voice commands for a specific feature. <sup>1</sup>
Cancel	Cancel an active voice session.
___ help	Get a list of voice commands for a specific feature. <sup>1</sup>
Back	Return to the previous screen.
Main menu	Go to the main menu.

# SYNC™ 3

Voice Command	Description
Next page	Go to the next page.
Previous page	Go to the previous page.

<sup>1</sup> Add the name of the feature to the command.

## Entertainment

### Audio Source

Voice Command	Description
Radio	Use the radio.
CD Player	Use the CD player.
Bluetooth audio	Use a Bluetooth device.
USB	Use a USB or media player.

### Radio

Voice Command	Description
AM	Listen to AM radio.
___ AM	Tune to a specific AM frequency. <sup>1</sup>
DAB	Listen to DAB radio.
FM	Listen to FM radio.
___ FM	Tune to a specific FM frequency. <sup>1</sup>

<sup>1</sup> Add the radio frequency to two decimal places to the command.

# SYNC™ 3

## USB and Media Player

Voice Command	Description
Play album ___	Play your music by category. <sup>1</sup>
Play artist ___	
Play audiobook ___	
Play genre ___	
Play playlist ___	
Play podcast ___	
Play song ___	
Browse all albums	Browse music on a USB device.
Browse all artists	
Browse all audiobooks	
Browse all genres	
Browse all playlists	
Browse all podcasts	
Browse all tracks	
Browse album ___	Browse your music by category on a USB device. <sup>1</sup>
Browse artist ___	
Browse audiobook ___	
Browse genre ___	
Browse playlist ___	
Browse podcast ___	

<sup>1</sup> Add an album name, artist name, audiobook name, genre name, playlist name, podcast name or track name to the command. Say the name exactly as it appears on your device.

# SYNC™ 3

## Phone

Voice Command	Description
Pair phone	Pair a cell phone or Bluetooth enabled device.
Redial	Redial the last number that you dialed.
Dial ____	Dial a number. <sup>1</sup>
Call ____	Call a specific contact from your phonebook. <sup>2</sup>
Call ____ ____	Call a specific contact from your phonebook at a specific location. <sup>3</sup>
Listen to message	Listen to a text message.
Listen to message ____	Listen to a specific text message from a list of text messages.
Reply to message	Reply to the last text message.

<sup>1</sup> Add the number you want to dial to the command.

<sup>2</sup> Add a contact name from your phonebook to the command. Say the first and last name of your contact exactly as it appears on your device.

<sup>3</sup> Add a contact name and location from your phonebook to the command. Say the first and last name of your contact exactly as it appears on your device.

## Navigation (If Equipped)

### Setting a Destination

Voice Command	Description
Find an address	Enter a destination address. When prompted, provide the house number, the street and city.
Find a POI	Search for a point of interest by name or by category.
Find nearest ___	Search for a nearby point of interest by category. <sup>1</sup>
Find a POI category	Search for a point of interest category. <sup>1</sup>
Destination home	Set your saved home address as your destination.
Destination work	Set your saved place of work as your destination.
Previous destinations	Display and select from a list of previous destinations.
Favourite destinations	Display and select from a list of favorite destinations.

<sup>1</sup> Add a point of interest category or the name of a major brand or chain to the command.

### Route Guidance

Voice Command	Description
Cancel route	Cancel the current route.
Reroute	Select an alternate route.
Repeat last instruction	Repeat the last guidance prompt.
Show route	Display an overview of the route.
Show map	Display the map on the touchscreen.
Show north up	Display a two-dimensional map with north toward the top of the touchscreen.
Show heading up	Display a two-dimensional map with the direction you are traveling toward the top of the touchscreen.
Show 3D	Display a three-dimensional map with the direction you are traveling toward the front.

## Apps

### General

Voice Command	Description
Mobile apps	Start an app. The system prompts you for the app name.
List apps	Get a list of apps running on your device.
Find apps	Search and connect to apps running on your device.

### Active App

Voice Command	Description
___ help	Get a list of voice commands for a specific app. <sup>1</sup>
Close ___	Close an app. <sup>1</sup>

<sup>1</sup>Add an app name to the command.

### Voice Settings

Voice Command	Description
Voice settings	Go to the voice settings menu.
Interaction mode standard	Switch long voice prompts on.
Interaction mode advanced	Switch short voice prompts on.
Call confirmation on	Switch call confirmation on. The system prompts you to confirm before making a call.
Call confirmation off	Switch call confirmation off. The system does not prompt you to confirm before making a call.
Voice command lists on	Switch the display of voice commands on.
Voice command lists off	Switch the display of voice commands off.

## Automatic Blower Motor Speed Reduction

If necessary, the system decreases the blower motor speed when you are using voice commands to reduce the amount of background noise in your vehicle. It returns to normal when you are finished.

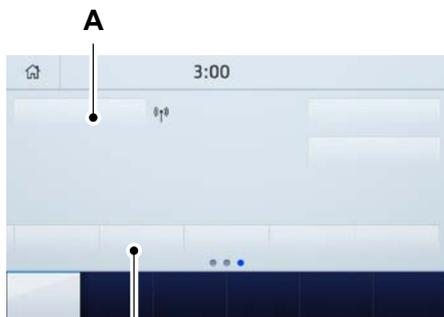
## Switching Automatic Blower Motor Speed Reduction Off

Simultaneously press the **A/C** and recirculated air buttons.

## ENTERTAINMENT



Select the audio option on the feature bar.



A

B

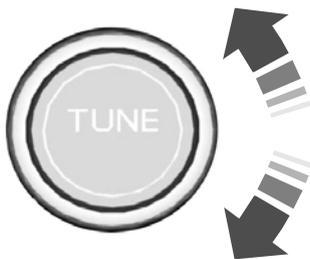
- A Audio source. Select to choose a different audio source.
- B Presets. Swipe left to view more presets.

You can access these options using the touchscreen or voice commands.

## Using the Radio

### Setting an AM/FM Radio Station

1. Select **Sources**.
2. Select **AM** or **FM**.



3. Rotate the control to change the frequency.

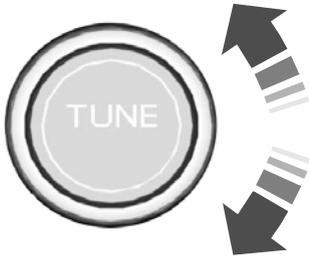
### Selecting a FM Radio Station From a List

1. Select **Sources**.
2. Select **FM**.
3. Select **Stations**.
4. Select a radio station from the list.

### Selecting a Digital Radio Station From a List

1. Select **Sources**.
2. Select **DAB**.
3. Select **Stations**.
4. Select an ensemble.
5. Select a radio station from the list.

## Manually Changing Digital Radio Stations



Rotate the control to change the station.

## Automatically Changing Radio Stations



Press to seek the next station up the frequency band.

Press and hold to quickly seek up the frequency band.



Press to seek the next station down the frequency band.

Press and hold to quickly seek down the frequency band.

## Storing a Radio Station

Press and hold one of the preset buttons.

**Note:** The radio briefly mutes to indicate the station has been stored.

**Note:** You can add additional preset pages using the settings option on the feature bar.

## Switching Traffic Announcements On

Select **Traffic (TA)**.

**Note:** If you switch traffic announcements on, traffic announcements broadcast by radio stations interrupt the current audio source to help you plan your route.

## Streaming Music From a Bluetooth Device

Check the compatibility of your device on the local Ford website.

Pair your device. See **Phone** (page 426).

Select **Sources**.



Select Bluetooth.

## Searching for Tracks on a Bluetooth Device

Select **Browse**.

Select a track.

**Note:** Select the cover art to view information about the current track.

## Playing Tracks on a Bluetooth Device in a Random Order



Select to play tracks in a random order.

## Repeating Tracks on a Bluetooth Device



Select the repeat icon to repeat tracks.

**Note:** You can repeat one track or all tracks on an audio format Bluetooth device. You can repeat one track, all tracks or all tracks in one folder on a Bluetooth device.

**Note:** A small number one appears next to the repeat icon to indicate that a track is set to repeat. A small folder icon appears next to it to indicate that a folder is set to repeat.

## Playing Music From a USB or Media Player

Connect your device to a USB port.

Select **Sources**.



Select USB.

**Note:** *The system indexes your music before you can play it.*

## Searching for Tracks on a USB or Media Player

Select **Browse**.

Select a track.

**Note:** *Select the cover art to view information about the current track.*

**Note:** *You can also browse by album, artist, audiobook, genre, playlist, podcast or track name.*

## Playing Tracks on a USB or Media Player in a Random Order



Select to play tracks in a random order.

## Repeating Tracks on a USB or Media Player



Select the repeat icon to repeat tracks.

**Note:** *You can repeat one track or all tracks on an audio format USB or media player. You can repeat one track, all tracks or all tracks in one folder on a USB or media player.*

**Note:** *A small number one appears next to the repeat icon to indicate that a track is set to repeat. A small folder icon appears next to it to indicate that a folder is set to repeat.*

## Supported Devices

The system supports most USB and media players, including iOS and Android devices.

## Supported File Formats

The system supports the following file formats:

- MP3, MP4, WMA, WAV, AAC, AIFF, APE, DSD, and FLAC audio file formats.
- MP3, WMA, WAV, M4A, M4B, AAC, and FLAC file extensions.
- FAT, exFAT, and NTFS file systems.

## Audio File Metadata

The system organizes files on your USB or media player by metadata tags. Metadata tags contain information about the file. If the metadata tags for the files on your USB or media player contain no information, the system classifies them as unknown. The system can index up to 50000 tracks on a USB device or media player, and up to 10 devices.

## PHONE



**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Check the compatibility of your device on the local Ford website.

## Pairing Your Cell Phone for the First Time

Go to the settings menu on your device and switch **Bluetooth®** on.

Make sure your cell phone is discoverable. See your cell phone's user manual.



Select the phone option on the feature bar.

1. Select **Pair phone**.

**Note:** A prompt alerts you to search for your vehicle on your cell phone.

2. Select your vehicle on your cell phone.

**Note:** A number appears on your cell phone and on the touchscreen.

3. Confirm that the number on your cell phone matches the number on the touchscreen.

**Note:** The touchscreen indicates that you have successfully paired your cell phone.

4. Download the phonebook from your cell phone when you are prompted.

**Note:** If you pair more than one cell phone, use the phone settings to specify the primary phone. You can change this setting at any time.

## Using Your Cell Phone

### Recent Call list

Display and select an entry from a list of previous calls.

### Contacts

Display a smart search form to look up your contacts. Use the List button to alphabetically sort your contacts.

### Your phone

Change ring tones, alerts or pair another cell phone.

## Change device

Display the list of paired or connected devices that you can select.

## Do not disturb

Reject incoming calls and switch ring tones and alerts off.

## Phone Keypad

Directly dial a number.

## Text messages

Display the cell phone messages.

## Siri

Connect to Siri on your iOS device.

## Phone Voice Assistant

Connect to the phone voice service on your Android device.

## Text Messaging

### Setting Text Message Notification

#### iOS

1. Go to the settings menu on your cell phone.
2. Select **Bluetooth®**.
3. Select the information icon to the right of your vehicle.
4. Switch text message notification on.

#### Android

1. Go to the settings menu on your cell phone.
2. Select **Bluetooth®**.
3. Select the profiles option.
4. Select the phone profile.
5. Switch text message notification on.

## Using Text Messaging

Menu Item	Description
Hear it	Hear the text message.
View	View the text message.
Call	Call the sender.
Reply	Reply to the text message with a standard text message.

## Apple CarPlay

1. Connect your device to a USB port.
2. Follow the instructions on the touchscreen.

**Note:** Certain features of the system are not available when you are using Apple CarPlay.

### Switching Apple CarPlay Off

1. Select **Settings**.
2. Select **Apple CarPlay preferences**.
3. Switch **Apple CarPlay** off.

## Android Auto

1. Connect your device to a USB port.
2. Follow the instructions on the touchscreen.

**Note:** You might need to enable Android Auto from the settings menu.

**Note:** Certain features of the system are not available when you are using Android Auto.

### Switching Android Auto Off

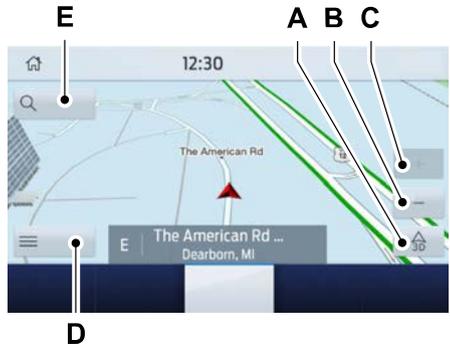
1. Select **Settings**.
2. Select **Android Auto**.
3. Switch **Android Auto** off.

## NAVIGATION

**Note:** For more information, refer to the local Ford website.



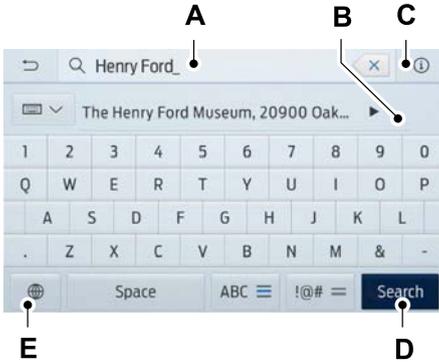
Select the navigation option on the feature bar.



- A Map view menu.
- B Zoom out.
- C Zoom in.
- D Route guidance menu.
- E Destination entry menu.

## Setting a Destination

### Setting a Destination Using the Text Entry Screen



- A Text entry field.
- B Automatic suggestions based on the text you enter.
- C Information icon.
- D Search.
- E Keyboard settings.

**Note:** Select one of the suggestions to copy the detail to the text entry field.

**Note:** You can enter a destination in a number of formats, **city street number**, **city number street**, zip code or point of interest.

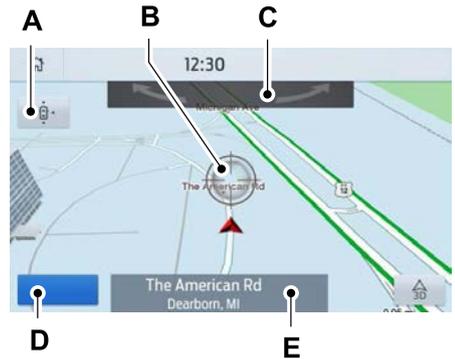
**Note:** You do not have to enter the destination country.

**Note:** To enter mutated vowels or accented characters, for example **ã** or **é**, press and hold the corresponding character on the keyboard.

Select **Search**.

Select **Start** to begin route guidance.

### Setting a Destination Using the Map Screen



- A Re-center the map.
- B Selected location.
- C 3D map rotation. Swipe left or right.
- D Start route guidance.
- E Destination name.

Select the location on the map.

Select **Start** to begin route guidance.

### Changing the Format of the Map

Display the map in one of the following formats:

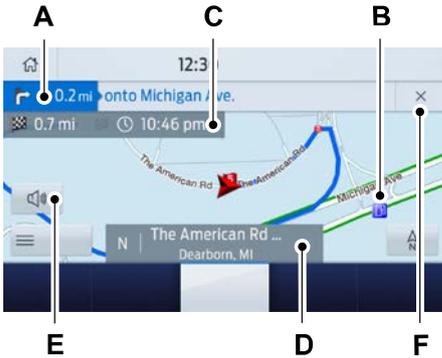
- A two-dimensional map with the direction you are traveling toward the top of the screen.
- A two-dimensional map with north toward the top of the screen.
- A three-dimensional map with the direction you are traveling toward the front.

### Zoom

Display more or less detail on the map.

**Note:** You can use pinch gestures to zoom in and out. Place two fingers on the screen and move them apart to zoom in. Place two fingers on the screen and bring them together to zoom out.

## Route Guidance



- C Estimated time of arrival, distance to destination or time to destination.
- D Current road.
- E Mute guidance prompts.
- F Cancel route guidance.

**Note:** To change guidance prompt volume, turn the volume control when a guidance prompt plays.

- A Turn indicator. Select to hear the last guidance prompt.
- B Point of interest.

## Route Guidance Menu

Menu Item	Description
Screen view	Adjust your map preferences for when route guidance is active.
Full map	View a full screen map when route guidance is active.
Motorway exit info	View exit information for your current route.
Turn list	View the turn list for your current route. Select a road to avoid it.
Traffic list	View traffic nearby or on your current route. <sup>1</sup>
Navigation settings	Adjust navigation settings.
Where am I?	View information about your current location.

# SYNC™ 3

Menu Item	Description
Cancel route	Cancel route guidance.
Show route	View the entire current route on the map.
Re-route	View an alternative route compared to your current one.
Edit waypoints	Change the order or remove waypoints.
Optimise order	The system determines the order of waypoints for you.
Start	Go to the next screen and start the new route.
Search	Enter a destination address.
Home	Set your saved home address as your destination
Work	Set your saved place of work as your destination.
Favourites	Display and select from a list of favorite destinations.
Previous destinations	Display and select from a list of previous destinations.
POI	Display the point of interest categories.

<sup>1</sup> Reliant upon traffic message channel or live traffic.

## Adjusting the Guidance Prompt Volume

Turn the volume control when a guidance prompt plays to adjust the volume.

**Note:** *If you have inadvertently adjusted the volume to zero, press the turn indicator button to play the last voice prompt and then adjust the volume to the desired level.*

## Muting Guidance Prompts



Select the mute option on the screen to mute guidance prompts.

**Note:** *The system mutes the next and all future guidance prompts.*

## Adding Waypoints

You can add a waypoint to a navigation route as a destination along your route. You can add up to five waypoints.

1. Select the search option on the map.
2. Set a destination.
3. Select the flag icon.
4. Select **Start**.

## Canceling Route Guidance

### Canceling Route Guidance From the Route Guidance Menu



Select the route guidance menu option on the active guidance screen.

Select **Cancel route**.

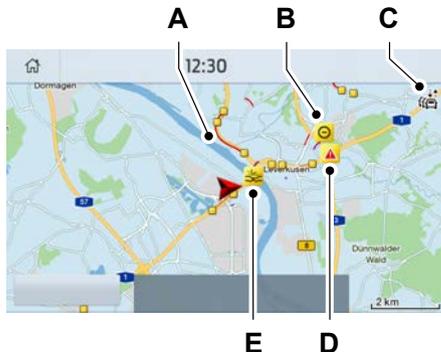
### Canceling Route Guidance From the Main Map



Select the icon in the upper right-hand corner of the main map to cancel route guidance.

## Live Traffic (If Equipped)

Live traffic provides near real-time traffic information to help you plan the fastest route to your destination. You must have an active subscription for Live Traffic.



- A Traffic congestion.
- B Road closure.
- C Live traffic active.
- D Urgent warning.
- E Traffic incident.

## Switching Live Traffic On

**Note:** Make sure that the modem is enabled. See **Connecting the Vehicle to a Mobile Network** (page 395).

1. Select **Settings**.
2. Select **FordPass Connect**.
3. Select **Connectivity settings**.
4. Switch **Vehicle connectivity** on.
5. Switch **Location** on.
6. Switch **Vehicle data & Remote ctrl** on.
7. Switch **Live Traffic** on.

## Navigation Map Updates

Please check the local Ford website or contact your dealership for navigation map updates.

HERE is the digital map provider for the navigation application. If you find map data errors, you can report them directly to HERE by visiting [www.here.com](http://www.here.com). HERE evaluates all reported map errors and responds with the result of their investigation by e-mail.

## APPS

**Note:** For more information about available apps, supported devices and troubleshooting, refer to our local website.

When you start an app through the system for the first time, you could be asked to grant certain permissions. You can review and change the permissions that you have granted at any time when your vehicle is not moving. See **Settings** (page 433).

**Note:** We recommend that you check your data plan before using your apps through the system. Using them could result in additional charges.

**Note:** We recommend that you check the app provider's terms and conditions and privacy policy before using their app.

**Note:** Make sure that you have an active account for apps that you want to use through the system.

**Note:** Some apps will work with no setup. Others require you to configure some personal settings before you can use them.

## Using Apps on an iOS Device



Select the apps option on the feature bar.

1. If your device is connected via USB, switch Apple CarPlay off. See **Phone** (page 426).
2. Connect your device to a USB port or pair and connect using Bluetooth.
3. If prompted to enable CarPlay, select **Disable**.
4. Start the apps on your device that you want to use through SYNC.

**Note:** If you close the apps on your device, you will not be able to use them through the system.

5. Select the app that you want to use on the touchscreen.

**Note:** Connect your device to a USB port if you want to use a navigation app. When using a navigation app, keep your device unlocked and the app open.

## Using Apps on an Android Device



Select the apps option on the feature bar.

1. If your device is connected via USB, switch Android Auto off. See **Phone** (page 426).
2. Switch on **Enable Mobile apps via USB** in the Mobile Apps Settings tile.
3. Pair your device. See **Phone** (page 426).
4. Start the apps on your device that you want to use through SYNC.

**Note:** If you close the apps on your device, you will not be able to use them through the system.

5. Select **Find mobile apps**.

**Note:** The system searches and connects to compatible apps that are running on your device.

6. Select the app that you want to use on the touchscreen.

**Note:** Mobile Apps on your device use the USB port to establish a connection with SYNC. Some devices may lose the ability to play music over USB when Mobile Apps are enabled.

## Using Mobile Navigation on an Android Device

1. Connect your device to a USB port.
2. Switch Android Auto off. See **Phone** (page 426).
3. Switch on **Enable Mobile apps via USB** in the Mobile Apps Settings tile.
4. Select the apps option on the feature bar.
5. Select the navigation app that you want to use on the touchscreen.

**Note:** When using a navigation app, keep your device unlocked and the app open.

**Note:** Mobile Apps on your device use the USB port to establish a connection with SYNC. Some devices may lose the ability to play music over USB when Mobile Apps are enabled.

## SETTINGS



Select the settings option on the feature bar.

Select a tile to access the settings.



Select the option to display extra information.

## Ambient Lighting

You can adjust the ambient lighting settings.

## Android Auto

You can switch Android Auto on and off.

## **Apple CarPlay**

You can switch Apple CarPlay on and off.

## **Audio**

You can adjust the audio settings.

## **Automatic Updates**

You can switch automatic updates on and off and adjust the settings.

## **Bluetooth**

You can switch Bluetooth on and off and pair your cell phone.

## **Clock**

You can adjust the clock settings.

## **Display**

You can adjust display settings like brightness and auto dim.

## **Emergency Assistance**

You can switch Emergency Assistance on and off.

## **FordPass**

You can adjust the FordPass settings.

## **General**

You can adjust settings like language, measurement units, or reset the system.

## **Mobile Apps**

You can adjust permissions, enable, disable, and update mobile apps.

## **Navigation (If Equipped)**

You can adjust navigation settings like map preferences and route guidance.

## **Phone**

You can connect and disconnect your device, or manage the connected device settings.

## **Seats (If Equipped)**

You can adjust the position and the massage function of the seats.

## **Sound**

You can adjust the sound settings.

## **Valet Mode (If Equipped)**

You can enable and disable the valet mode.

## **Vehicle (If Equipped)**

You can adjust the camera settings.

## **Voice Control**

You can adjust the voice control settings.

## **Wi-Fi**

You can switch Wi-Fi on and off and adjust the settings.

## SYNC™ 3 TROUBLESHOOTING

### Voice Recognition

Symptom	Possible Cause and Resolution
<p>The system does not understand what I am saying.</p>	<ul style="list-style-type: none"> <li>– You are using the wrong voice commands.                             <ul style="list-style-type: none"> <li>• See <b>Using Voice Recognition</b> (page 418).</li> <li>• For a complete list of voice commands, refer to the local Ford website.</li> </ul> </li> <li>– You are speaking too soon.                             <ul style="list-style-type: none"> <li>• Wait for the voice prompt before you speak.</li> </ul> </li> </ul>
<p>The system does not understand the name of a track or artist.</p>	<ul style="list-style-type: none"> <li>– Device limitation. Bluetooth does not support voice commands.                             <ul style="list-style-type: none"> <li>• Connect your device to a USB port.</li> <li>• If you have an iOS device, press and hold the voice control button on the steering wheel to use Siri to play specific tracks.</li> </ul> </li> <li>– You are using the wrong voice commands.                             <ul style="list-style-type: none"> <li>• See <b>Using Voice Recognition</b> (page 418).</li> <li>• For a complete list of voice commands, refer to the local Ford website.</li> </ul> </li> <li>– You are not saying the name exactly as it appears on your device.                             <ul style="list-style-type: none"> <li>• Say the name of the track or artist exactly as it appears on your device. Spell out any abbreviations in the name.</li> </ul> <p>The song or artist name may have some special characters that are not being recognized by the system.</p> </li> <li>– The name contains special characters, for example *, - or +.                             <ul style="list-style-type: none"> <li>• Rename the files on your device or use the touchscreen to select and play the track.</li> </ul> </li> </ul>

## SYNC™ 3

Symptom	Possible Cause and Resolution
The system does not understand the name of a contact in the phonebook on my device and calls the wrong contact.	<ul style="list-style-type: none"> <li>– You are not saying the name exactly as it appears on your device. <ul style="list-style-type: none"> <li>• Say the first and last name of the contact exactly as it appears on your device. Spell out any abbreviations in the name.</li> </ul> </li> <li>– The name contains special characters, for example *, - or +. <ul style="list-style-type: none"> <li>• Rename the contact on your device or use the touchscreen to select and call the contact.</li> </ul> </li> </ul>
The system does not understand foreign names of contacts in the phonebook on my device.	<ul style="list-style-type: none"> <li>– You are not saying the name exactly as it appears on your device. <ul style="list-style-type: none"> <li>• Say the first and last name of the contact exactly as it appears on your device. The system applies phonetic pronunciation rules of the selected language to the names of contacts in the phonebook on your device. Select the name of the contact on the touchscreen and use the Hear it option to get an idea of how the system expects you to pronounce it.</li> </ul> </li> </ul>
The system voice prompts and the pronunciation of some words does not seem to be very accurate.	<ul style="list-style-type: none"> <li>– Device limitation. <ul style="list-style-type: none"> <li>• The system uses text-to-speech technology and uses a synthetically generated voice rather than pre-recorded human voice.</li> </ul> </li> </ul>

## USB and Bluetooth Audio

Symptom	Possible Cause and Resolution
I cannot connect my device.	<ul style="list-style-type: none"> <li>– Device malfunction. <ul style="list-style-type: none"> <li>• Disconnect your device. Switch your device off, reset it and try again.</li> </ul> </li> <li>– Cable connection issue. <ul style="list-style-type: none"> <li>• Correctly connect the cable to your device and the vehicle USB port.</li> </ul> </li> <li>– Incompatible cable. <ul style="list-style-type: none"> <li>• Use the cable recommended by the manufacturer of your device.</li> </ul> </li> </ul>

# SYNC™ 3

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none"> <li>– Incorrect device settings.               <ul style="list-style-type: none"> <li>• Make sure that your device does not have an auto-install program or active security settings.</li> <li>• Check that your device is not set only to charge.</li> </ul> </li> <li>– Device lock screen enabled.               <ul style="list-style-type: none"> <li>• Unlock your device before connecting it.</li> </ul> </li> </ul>
The system does not recognize my device.	<ul style="list-style-type: none"> <li>– Device limitation.               <ul style="list-style-type: none"> <li>• Do not leave your device in your vehicle during very hot or very cold weather conditions.</li> </ul> </li> </ul>
The system does not understand the name of a track or artist.	<ul style="list-style-type: none"> <li>– Device limitation. Bluetooth does not support voice commands.               <ul style="list-style-type: none"> <li>• Connect your device to a USB port.</li> <li>• If you have an iOS device, press and hold the voice control button on the steering wheel to use Siri to play specific tracks.</li> </ul> </li> </ul>
I cannot stream audio from my Bluetooth device.	<ul style="list-style-type: none"> <li>– Incompatible device.               <ul style="list-style-type: none"> <li>• Check the compatibility of your device on the local Ford website.</li> </ul> </li> <li>– Device not connected.               <ul style="list-style-type: none"> <li>• Pair your device. See <b>Phone</b> (page 426).</li> </ul> </li> <li>– Media player not running.               <ul style="list-style-type: none"> <li>• Start the media player on your device.</li> </ul> </li> </ul>
The system does not recognize the music on my device.	<ul style="list-style-type: none"> <li>– Missing or incorrect audio file metadata, for example artist, song title, album or genre.               <ul style="list-style-type: none"> <li>• Repair the files on your device.</li> </ul> </li> <li>– Corrupt files.               <ul style="list-style-type: none"> <li>• Repair the files on your device.</li> </ul> </li> <li>– Copyright protected files.               <ul style="list-style-type: none"> <li>• Use a device that contains files that are not copyright protected.</li> </ul> </li> <li>– Unsupported file format.               <ul style="list-style-type: none"> <li>• Repair or convert the files to a supported format. See <b>Entertainment</b> (page 424).</li> </ul> </li> </ul>

# SYNC™ 3

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none"> <li>– Device indexing required.               <ul style="list-style-type: none"> <li>• Re-index your device. See <b>Settings</b> (page 433).</li> </ul> </li> <li>– Device lock screen enabled.               <ul style="list-style-type: none"> <li>• Unlock your device before connecting it.</li> </ul> </li> </ul>
Sometimes I cannot hear a track playing on my device.	<ul style="list-style-type: none"> <li>– Device malfunction.               <ul style="list-style-type: none"> <li>• Disconnect your device. Switch your device off, reset it and try again.</li> </ul> </li> </ul>
When I disconnect my iOS device the audio volume is set to maximum.	<ul style="list-style-type: none"> <li>– Device limitation.               <ul style="list-style-type: none"> <li>• Turn the volume down on your device</li> </ul> </li> </ul>
The system does not play the tracks on my USB drive in the correct order.	<p>If the system does not play the tracks on your USB device in the correct order, the following information could help:</p> <ul style="list-style-type: none"> <li>– If you are selecting USB as the audio source when the system is still indexing, SYNC plays tracks sorted alphabetically by file name in the root directory.</li> <li>– If you are selecting USB as the audio source after the system has finished indexing, SYNC plays all tracks sorted alphabetically by the title in the ID3 tag regardless of where they are located. SYNC uses the file name if the title in the ID3 Tag does not exist.</li> <li>– If you are selecting the option to play all tracks from the browsing menu, SYNC plays all tracks sorted alphabetically by the title in the ID3 tag regardless of where they are located. SYNC uses the file name if the title in the ID3 Tag does not exist.</li> <li>– If you are selecting a track when using the explore device option, SYNC plays tracks sorted alphabetically by file name in the folder you have selected. SYNC then plays all tracks in any subfolders in the folder you have selected.</li> </ul>

## Phone

Symptom	Possible Cause and Resolution
During a call, I can hear excessive background noise.	<ul style="list-style-type: none"> <li>– Incorrect cell phone settings.                             <ul style="list-style-type: none"> <li>• Check and adjust the audio settings on your cell phone. Refer to your cell phone's user manual.</li> </ul> </li> </ul>
During a call, I can hear the other person but they cannot hear me.	<ul style="list-style-type: none"> <li>– Cell phone malfunction.                             <ul style="list-style-type: none"> <li>• Switch your cell phone off, reset it and try again.</li> </ul> </li> <li>– Cell phone microphone muted.                             <ul style="list-style-type: none"> <li>• Unmute your cell phone microphone.</li> </ul> </li> </ul>
During a call, I cannot hear the other person and they cannot hear me.	<ul style="list-style-type: none"> <li>– System restart required.                             <ul style="list-style-type: none"> <li>• Restart the system. Switch the ignition off and open the door. Close the door and lock the vehicle. Wait until the touchscreen is off and any illuminated USB ports are not illuminated. Unlock the vehicle, switch the ignition on and try again.</li> </ul> </li> </ul>
I cannot download phone-book.	<ul style="list-style-type: none"> <li>– Incompatible cell phone.                             <ul style="list-style-type: none"> <li>• Check the compatibility of your cell phone on the local Ford website.</li> </ul> </li> <li>– Incorrect cell phone settings.                             <ul style="list-style-type: none"> <li>• Allow the system to retrieve contacts from your cell phone. Refer to your cell phone's user manual.</li> </ul> </li> <li>– Incorrect system settings.                             <ul style="list-style-type: none"> <li>• Switch automatic phonebook download on. See <b>Settings</b> (page 433).</li> </ul> </li> <li>– Cell phone malfunction.                             <ul style="list-style-type: none"> <li>• Switch your cell phone off, reset it and try again.</li> </ul> </li> </ul>
A message displays suggesting that my phone-book has downloaded but it is empty or it has missing contacts.	<ul style="list-style-type: none"> <li>– Incorrect cell phone settings.                             <ul style="list-style-type: none"> <li>• Allow the system to retrieve contacts from your cell phone. Refer to your cell phone's user manual.</li> <li>• Check the location of the missing contacts on your cell phone. If they are stored on the SIM card, move them to the cell phone memory.</li> </ul> </li> <li>– Incorrect system settings.                             <ul style="list-style-type: none"> <li>• Switch automatic phonebook download on. See <b>Settings</b> (page 433).</li> </ul> </li> </ul>

# SYNC™ 3

Symptom	Possible Cause and Resolution
I cannot connect my cell phone.	<ul style="list-style-type: none"> <li>- Incompatible cell phone.               <ul style="list-style-type: none"> <li>• Check the compatibility of your cell phone on the local Ford website.</li> </ul> </li> <li>- Cell phone malfunction.               <ul style="list-style-type: none"> <li>• Switch your cell phone off, reset it and try again.</li> <li>• Install the latest cell phone firmware.</li> <li>• Delete your device from system and delete SYNC from your device and try again.</li> <li>• Switch automatic phonebook download off. See <b>Settings</b> (page 433).</li> </ul> </li> </ul>
Text messaging does not work.	<ul style="list-style-type: none"> <li>- Incompatible cell phone.               <ul style="list-style-type: none"> <li>• Check the compatibility of your cell phone on the local Ford website.</li> </ul> </li> <li>- Cell phone malfunction.               <ul style="list-style-type: none"> <li>• Switch your cell phone off, reset it and try again.</li> </ul> </li> </ul>
I cannot hear text messages.	<ul style="list-style-type: none"> <li>- Incompatible cell phone.               <ul style="list-style-type: none"> <li>• Check the compatibility of your cell phone on the local Ford website.</li> </ul> </li> </ul>

## Navigation (If Equipped)

Symptom	Possible Cause and Resolution
I cannot enter a street name when I am abroad.	<ul style="list-style-type: none"> <li>- Incorrect entry method.               <ul style="list-style-type: none"> <li>• Enter the street name with the country.</li> </ul> </li> </ul>
The system does not recognize coordinates.	<ul style="list-style-type: none"> <li>- You are using the wrong coordinates format.               <ul style="list-style-type: none"> <li>• Use the format ##. #####, ##. ##### (for N/S, E/W). Add a minus before coordinates if the direction is West and keep a positive value if the direction is East, for example 12.5412 means East and -12.5412 means West.</li> </ul> </li> </ul>

## Apps

Symptom	Possible Cause and Resolution
The system cannot find any apps.	<ul style="list-style-type: none"> <li>– Incompatible device.                             <ul style="list-style-type: none"> <li>• You need an Android device with OS 4.3 or higher or an iOS device with iOS 8.0 or higher. Pair and connect your Android device to find AppLink compatible apps. Connect your Android or iOS device to a USB port or pair and connect using Bluetooth.</li> </ul> </li> </ul>
I have a compatible device and it is correctly connected but the system still cannot find any apps.	<ul style="list-style-type: none"> <li>– AppLink compatible apps not installed on your device.                             <ul style="list-style-type: none"> <li>• Download and install the latest version of the app.</li> </ul> </li> <li>– AppLink compatible apps not running on your device.                             <ul style="list-style-type: none"> <li>• Start the apps to allow the system to find them and make sure you sign in to any apps if required.</li> </ul> </li> <li>– Incorrect app settings.                             <ul style="list-style-type: none"> <li>• Check and adjust the app settings on your device and allow SYNC to access the app if required.</li> </ul> </li> </ul>
I have a compatible device, it is correctly connected and my apps are running but the system still cannot find any apps.	<ul style="list-style-type: none"> <li>– Apps failed to fully close.                             <ul style="list-style-type: none"> <li>• Restart the apps and try again.</li> <li>• If you have an Android device with apps that have an exit or quit option, use this and then restart the apps. Alternatively, use the force stop option in the settings menu on your device.</li> <li>• If you have an iOS device with iOS 7.0 or higher, tap the home button on your device twice and then swipe the app upward to close it.</li> </ul> </li> </ul>
I have an Android device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"> <li>– An issue on some older versions of the Android operating system could result in apps not being found.                             <ul style="list-style-type: none"> <li>• Switch Bluetooth off and on again to force the system to reconnect to your device.</li> </ul> </li> </ul>

## SYNC™ 3

<b>Symptom</b>	<b>Possible Cause and Resolution</b>
I have an iOS device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"><li>- Cable connection issue.<ul style="list-style-type: none"><li>• Disconnect the cable from your device, wait for a moment and then connect it again to force the system to reconnect to your device.</li></ul></li></ul>
I have an Android device running a media app which the system has found but I cannot hear the sound or the sound is very quiet.	<ul style="list-style-type: none"><li>- Device volume is low.<ul style="list-style-type: none"><li>• Turn the volume up on your device.</li></ul></li></ul>
I have an Android device running a number of compatible apps but the system cannot find all of them.	<ul style="list-style-type: none"><li>- Device limitation. Some Android devices have a limited number of Bluetooth ports that apps can use to connect. If you have more apps running on your device than the number of available Bluetooth ports, the system cannot find all of them.<ul style="list-style-type: none"><li>• Close some of the apps to allow the system to find those that you want to use.</li></ul></li></ul>

## Wi-Fi Connectivity

Symptom	Possible Cause and Resolution
I cannot connect to a Wi-Fi network.	<ul style="list-style-type: none"> <li>– Password error.               <ul style="list-style-type: none"> <li>• Enter the correct network password.</li> </ul> </li> <li>– Weak network signal.               <ul style="list-style-type: none"> <li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li> </ul> </li> <li>– Multiple access points in range with the same SSID.               <ul style="list-style-type: none"> <li>• Use a unique name for your SSID. Do not use the default name unless it contains a unique identifier, for example as part of the MAC address.</li> </ul> </li> </ul>
The Wi-Fi connection disconnects after successful connection.	<ul style="list-style-type: none"> <li>– Weak network signal.               <ul style="list-style-type: none"> <li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li> </ul> </li> </ul>
I am close to a Wi-Fi hotspot but the network signal strength is weak.	<ul style="list-style-type: none"> <li>– Obstructed network signal.               <ul style="list-style-type: none"> <li>• If your vehicle has a heated windshield, position your vehicle so that the windshield is not facing the Wi-Fi hotspot.</li> <li>• If your vehicle has metallic tinting on the windows but not on the windshield, position your vehicle so that the windshield is facing the Wi-Fi hotspot or open the windows that are facing the hotspot.</li> <li>• If your vehicle has metallic tinting on the windows and the windshield, open the windows that are facing the hotspot.</li> <li>• If your vehicle is in a garage and you have the garage door closed, open the garage door.</li> </ul> </li> </ul>

# SYNC™ 3

Symptom	Possible Cause and Resolution
I cannot see a network in the list of available networks that I expect to see.	<ul style="list-style-type: none"><li>– Hidden network.<ul style="list-style-type: none"><li>• Make the network visible and try again.</li></ul></li></ul>
Software downloads take too long.	<ul style="list-style-type: none"><li>– Weak network signal<ul style="list-style-type: none"><li>• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.</li></ul></li><li>– Wi-Fi hotspot in high demand or has a slow Internet connection.<ul style="list-style-type: none"><li>• Use a more reliable Wi-Fi hotspot.</li></ul></li></ul>
The system seems to connect to a Wi-Fi network and the signal strength is excellent but the software does not update.	<ul style="list-style-type: none"><li>– No software update available.</li><li>– Wi-Fi network requires a subscription or acceptance of terms and conditions.<ul style="list-style-type: none"><li>• Test the connection using another device. If the network requires a subscription or acceptance of terms and conditions, contact the network service provider.</li></ul></li></ul>

## Resetting the System

1. Simultaneously press and hold the seek up and the audio unit power buttons until the screen goes black.
2. Wait three minutes to allow the system to complete the reset.
3. Press the audio unit power button to switch the system on.

**Note:** You can reset the system to restore functionality that has stopped working. The system reset is designed to restore functionality and not delete any data that you have stored.

## Additional Information and Assistance

For additional information and assistance, we recommend that you contact an authorized dealer or refer to the local Ford website.

# Geofencing

## WHAT IS GEOFENCING

Geofencing is capable of automatically modifying the vehicle settings to help reducing emissions based on your vehicle current location, when you drive through a low emission zone.

## HOW DOES GEOFENCING WORK

Using the GPS coordinates, geofencing detects that your vehicle approaches a low emission zone and starts optimising the high voltage battery charging. When your vehicle enters in the low emission zone, it uses the electric vehicle mode as much as possible.

The circle in the geofencing display starts to illuminate as your vehicle begins to approach a low emission zone.

## GEOFENCING PRECAUTIONS



**WARNING:** Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

## GEOFENCING LIMITATIONS

When your vehicle enters in a low emission zone, you cannot change the electric drive modes. See **Plug-In Hybrid Vehicle Operation** (page 142).

## LOCATING THE GEOFENCING DISPLAY

The geofencing display is on the driver side cup holder.

## USING GEOFENCING

Geofencing is a factory fitted system. When used in conjunction with the app, it gives you access to a range of features. For additional information about geofencing, visit [www.CustomGeoPHEV.com](http://www.CustomGeoPHEV.com).

## GEOFENCING INDICATORS

### EV now



Displays when your vehicle enters in a low emission zone. When in this mode, your vehicle uses the high voltage battery only.

Vehicle acceleration, top speed and climate control system performance could be reduced in this mode to maximize the distance your vehicle could travel.

## GEOFENCING – TROUBLESHOOTING

### GEOFENCING – WARNING LAMPS



The system has malfunctioned. Have your vehicle checked as soon as possible.

# Appendices

## ELECTROMAGNETIC COMPATIBILITY



**WARNING:** Do not place objects or mount equipment on or near the airbag cover, on the side of the front or rear seatbacks, or in areas that may come into contact with a deploying airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a crash.



**WARNING:** Do not fasten antenna cables to vehicle wiring, fuel pipes and brake pipes.

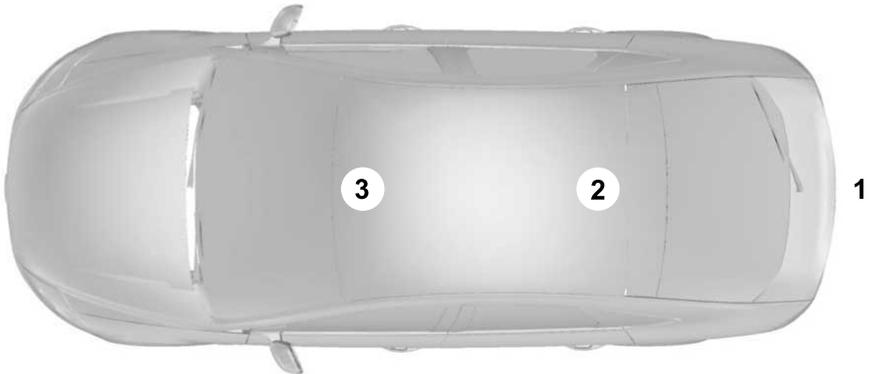


**WARNING:** Keep antenna and power cables at least 10 cm (4 in) from any electronic modules and airbags.

**Note:** We test and certify your vehicle to meet electromagnetic compatibility legislation. It is your responsibility to make sure that any equipment an authorized dealer installs on your vehicle complies with applicable local legislation and other requirements. Installation of some aftermarket electronic devices could degrade the performance of vehicle functions, which use radio frequency signals such as broadcast radio receiver, tire pressure monitoring system, push button start, **Bluetooth®** connectivity or satellite navigation.

**Note:** Any radio frequency transmitter equipment in your vehicle (such as cellular telephones and amateur radio transmitters) must keep to the parameters in the following illustrations and table. We do not provide any other special provisions or conditions for installations or use.

### Car/SUV



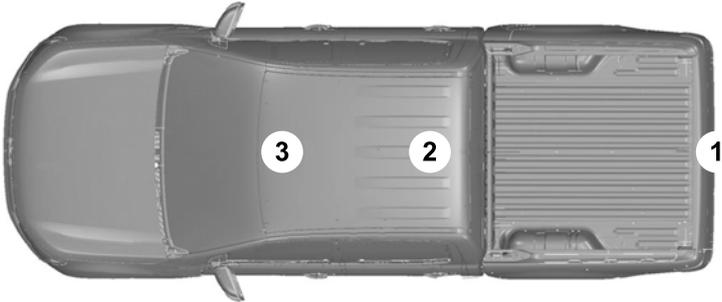
# Appendices

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## Van



## Truck



# Appendices

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<b>Frequency Band MHz</b>	<b>Maximum output power Watt (Peak RMS)</b>	<b>Antenna Positions</b>
1-30	50	1
50-54	50	2, 3
68-88	50	2, 3
142-176	50	2, 3
380-512	50	2, 3
806-870	10	2, 3

# Appendices

## END USER LICENSE AGREEMENT

### VEHICLE SOFTWARE END USER LICENSE AGREEMENT (EULA)

- You ("You" or "Your" as applicable) have acquired a vehicle having several devices, including SYNC ® and various control modules, ("DEVICES") that include software licensed or owned by Ford Motor Company and its affiliates ("FORD MOTOR COMPANY"). Those software products of FORD MOTOR COMPANY origin, as well as associated media, printed materials, and "online" or electronic documentation ("SOFTWARE") are protected by international intellectual property laws and treaties. The SOFTWARE is licensed, not sold. All rights reserved.
- The SOFTWARE may interface with and/or communicate with, or may be later upgraded to interface with and/or communicate with additional software and/or systems provided by FORD MOTOR COMPANY.

**IF YOU DO NOT AGREE TO THIS END USER LICENSE AGREEMENT ("EULA") DO NOT USE THE DEVICES OR COPY THE SOFTWARE. ANY USE OF THE SOFTWARE, INCLUDING BUT NOT LIMITED TO USE ON THE DEVICES, WILL CONSTITUTE YOUR AGREEMENT TO THIS EULA (OR RATIFICATION OF ANY PREVIOUS CONSENT).**

**GRANT OF SOFTWARE LICENSE:** This EULA grants you the following license:

- You may use the SOFTWARE as installed on the DEVICES and as otherwise interfacing with systems and/or services provide by or through FORD MOTOR COMPANY or its third party software and service providers.

## Description of Other Rights and Limitations

- **Speech Recognition:** If the SOFTWARE includes speech recognition component(s), you should understand that speech recognition is an inherently statistical process and that recognition errors are inherent in the process. Neither FORD MOTOR COMPANY nor its suppliers shall be liable for any damages arising out of errors in the speech recognition process. It is your responsibility to monitor any speech recognition functions included in the system.
- **Limitations on Reverse Engineering, Decompilation and Disassembly:** You may not reverse engineer, decompile, translate, disassemble or attempt to discover any source code or underlying ideas or algorithms of the SOFTWARE nor permit others to reverse engineer, decompile or disassemble the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation or to the extent as may be permitted by the licensing terms governing use of any open source components included with the SOFTWARE.
- **Limitations on Distributing, Copying, Modifying and Creating Derivative Works:** You may not distribute, copy, make modifications to or create derivative works based on the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation or to the extent as may be permitted by the licensing terms governing use of any open source components included with the SOFTWARE.

# Appendices

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- **Single EULA:** The end user documentation for the DEVICES and related systems and services may contain multiple EULAs, such as multiple translations and/or multiple media versions (e.g., in the user documentation and in the software). Even if you receive multiple EULAs, you are licensed to use only one (1) copy of the SOFTWARE.
- **SOFTWARE Transfer:** You may permanently transfer your rights under this EULA only as part of a sale or transfer of the DEVICES, provided you retain no copies, you transfer all of the SOFTWARE (including all component parts, the media and printed materials, any upgrades, and, if applicable, the Certificate(s) of Authenticity), and the recipient agrees to the terms of this EULA. If the SOFTWARE is an upgrade, any transfer must include all prior versions of the SOFTWARE.
- **Termination:** Without prejudice to any other rights, FORD MOTOR COMPANY may terminate this EULA if you fail to comply with the terms and conditions of this EULA.
- **Internet-Based Services Components:** The SOFTWARE may contain components that enable and facilitate the use of certain Internet-based services. You acknowledge and agree that FORD MOTOR COMPANY, third party software and service suppliers, its affiliates and/or its designated agent may automatically check the version of the SOFTWARE and/or its components that you are utilizing and may provide upgrades or supplements to the SOFTWARE that may be automatically downloaded to your DEVICES.
- **Additional Software/Services:** The SOFTWARE may permit FORD MOTOR COMPANY, third party software and service suppliers, its affiliates and/or its designated agent to provide or make available to you SOFTWARE updates, supplements, add-on components, or Internet-based services components of the SOFTWARE after the date you obtain your initial copy of the SOFTWARE ("Supplemental Components".) SOFTWARE updates may cause you to incur additional charges from your wireless service provider. If FORD MOTOR COMPANY or third party software and services suppliers provide or make available to you Supplemental Components and no other EULA terms are provided along with the Supplemental Components, then the terms of this EULA shall apply. FORD MOTOR COMPANY, its affiliates and/or its designated agent reserve the right to discontinue without liability any Internet-based services provided to you or made available to you through the use of the SOFTWARE.

# Appendices

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- **Links to Third Party Sites:** The SOFTWARE may provide you with the ability to link to third party sites. The third party sites are not under the control of FORD MOTOR COMPANY, its affiliates and/or its designated agent. Neither FORD MOTOR COMPANY nor its affiliates nor its designated agent are responsible for (i) the contents of any third party sites, any links contained in third party sites, or any changes or updates to third party sites, or (ii) webcasting or any other form of transmission received from any third party sites. If the SOFTWARE provides links to third party sites, those links are provided to you only as a convenience, and the inclusion of any link does not imply an endorsement of the third party site by FORD MOTOR COMPANY, its affiliates and/or its designated agent.
- **Obligation to Drive Responsibly:** You recognize your obligation to drive responsibly and keep attention on the road. You will read and abide with the DEVICES operating instructions particularly as they pertain to safety and you agree to assume any risk associated with the use of the DEVICES.

## **UPGRADES AND RECOVERY MEDIA:**

If the SOFTWARE is provided by FORD MOTOR COMPANY separate from the DEVICES on media such as a ROM chip, CD ROM disk(s) or via web download or other means, and is labeled "For Upgrade Purposes Only" or "For Recovery Purposes Only" you may install one (1) copy of such SOFTWARE onto the DEVICES as a replacement copy for the existing SOFTWARE, and use it in accordance with this EULA, including any additional EULA terms accompanying the upgrade SOFTWARE.

## **INTELLECTUAL PROPERTY RIGHTS:**

All title and intellectual property rights in and to the SOFTWARE (including but not limited to any images, photographs, animations, video, audio, music, text and "applets" incorporated into the SOFTWARE), the accompanying printed materials, and any copies of the SOFTWARE, are owned by FORD MOTOR COMPANY, or its affiliates or suppliers. The SOFTWARE is licensed, not sold. You may not copy the printed materials accompanying the SOFTWARE. All title and intellectual property rights in and to the content which may be accessed through use of the SOFTWARE is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This EULA grants you no rights to use such content outside its intended use. All rights not specifically granted under this EULA are reserved by FORD MOTOR COMPANY, its affiliates, and third party software and service providers and suppliers. Use of any on-line services which may be accessed through the SOFTWARE may be governed by the respective terms of use relating to such services. If this SOFTWARE contains documentation that is provided only in electronic form, you may print one copy of such electronic documentation.

**EXPORT RESTRICTIONS:** You acknowledge that the SOFTWARE is subject to U.S. and European Union export jurisdiction. You agree to comply with all applicable international and national laws that apply to the SOFTWARE, including the U.S. Export Administration Regulations, as well as end-user, end-use and destination restrictions issued by U.S. and other governments.

# Appendices

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**TRADEMARKS:** This EULA does not grant you any rights in connection with any trademarks or service marks of FORD MOTOR COMPANY, its affiliates, and third party software and service providers.

The **Bluetooth®** word mark and logos are registered trademarks owned by **Bluetooth SIG, Inc.** and any use of such marks by Ford Motor Company is under license. Other trademarks and trade names are those of their respective owners.

**PRODUCT SUPPORT:** Please refer to FORD MOTOR COMPANY instructions provided in the documentation for the DEVICES product support, such as the vehicle owner guide.

Should you have any questions concerning this EULA, or if you desire to contact FORD MOTOR COMPANY for any other reason, please refer to the address provided in the documentation for the DEVICES.

**No Liability for Certain Damages:** EXCEPT AS PROHIBITED BY LAW, FORD MOTOR COMPANY, ANY THIRD PARTY SOFTWARE OR SERVICES SUPPLIERS, AND THEIR AFFILIATES SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE. THIS LIMITATION SHALL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. THERE ARE NO WARRANTIES OTHER THAN THOSE THAT MAY BE EXPRESSLY PROVIDED FOR YOUR NEW VEHICLE.

## **SYNC® Automotive Important Safety Information Read and follow instructions:**

- Before using your SYNC® system, read and follow all instructions and safety information provided in this end user manual ("Owner Guide".) Not following precautions found in the Owner Guide can lead to an accident or other serious injuries.

### General Operation

- **Voice Command Control:** Certain functions within the SYNC® system may be accomplished using voice commands. Using voice commands while driving helps you to operate the system without removing your hands from the wheel or eyes from the road.
- **Prolonged Views of Screen:** Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention.
- **Volume Setting:** Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.
- **Navigation Features:** Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

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- **Distraction Hazard:** Any navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can distract your attention and could cause an accident or other serious injury. Stop the vehicle in a safe and legal manner before attempting these operations.
  - **Let Your Judgment Prevail:** Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.
  - **Route Safety:** Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.
  - **Potential Map Inaccuracy:** Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.
  - **Emergency Services:** Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are likely to be contained in the map database for such navigation features.
- Your Responsibilities and Assumptions of Risk
- You agree to each of the following:(a) Any use of the SOFTWARE while driving an automobile or other vehicle in violation of applicable law or otherwise driving in an unsafe manner presents a significant risk of distracted driving and should not be attempted under any circumstances;(b) Use of the SOFTWARE at excessive volume poses a significant risk of hearing damage and should not be attempted under any circumstances;(c) The SOFTWARE may not be compatible with new or different versions of an operating system, third party software, or third party services, and the SOFTWARE may potentially cause a critical failure of an operating system, third party software, or third party service.(d) Any third party service accessed by or third party software used with the SOFTWARE (i) may charge an additional fee for access, (ii) may not work correctly, on an uninterrupted basis, or error free, (iii) may change streaming formats or discontinue operation, (iv) may contain adult, profane or offensive content; and (v) may contain inaccurate, false or misleading traffic, weather, financial or safety information or other content; and (e) Use of the SOFTWARE may cause you to incur additional charges from your wireless service provider (WSP) and any data or minute calculators that may be included in the software program are for reference only, are not warranted in any way and should not be relied upon in anyway.
  - When using the SOFTWARE, you agree to be responsible for and assume the entire risk to the items set forth in Section (a) – (e) above.

# Appendices

## Disclaimer of Warranty

YOU EXPRESSLY ACKNOWLEDGE AND AGREE THAT USE OF THE DEVICES AND SOFTWARE IS AT YOUR SOLE RISK AND THAT THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, COMPATIBILITY, ACCURACY AND EFFORT IS WITH YOU. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE SOFTWARE AND ANY THIRD PARTY SOFTWARE OR THIRD-PARTY SERVICES ARE PROVIDED "AS IS" AND "AS AVAILABLE", WITH ALL FAULTS AND WITHOUT WARRANTY OF ANY KIND, AND FORD MOTOR COMPANY HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS WITH RESPECT TO THE SOFTWARE, THIRD PARTY SOFTWARE, AND THIRD-PARTY SERVICES, EITHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR AN PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NON-INFRINGEMENT OF THIRD-PARTY RIGHTS. FORD MOTOR COMPANY DOES NOT WARRANT (a) AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES, (b) THAT THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL MEET YOUR REQUIREMENTS, (c) THAT THE OPERATION OF THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL BE UNINTERRUPTED OR ERROR-FREE, (d) OR THAT DEFECTS IN THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY FORD MOTOR COMPANY OR ITS AUTHORIZED REPRESENTATIVE SHALL

CREATE A WARRANTY. SHOULD THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES PROVE DEFECTIVE, YOU ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW THE DISCLAIMER OF IMPLIED WARRANTIES OR LIMITATIONS ON APPLICABLE STATUTORY RIGHTS OF A CONSUMER, SO THE ABOVE DISCLAIMER MAY NOT FULLY APPLY TO YOU. THE SOLE WARRANTY PROVIDED BY FORD MOTOR COMPANY SHALL BE FOUND IN THE WARRANTY INFORMATION INCLUDING WITH YOUR OWNER GUIDE. TO THE EXTENT THAT THERE IS ANY CONFLICT BETWEEN THE TERMS OF THIS SECTION AND THE WARRANTY BOOKLET, THE WARRANTY BOOKLET SHALL CONTROL.

## Applicable Law, Venue, Jurisdiction

- The laws of the State of Michigan govern this EULA and Your use of the SOFTWARE. Your use of the SOFTWARE may also be subject to other local, state, national, or international laws. Any litigation arising out of or related to this EULA shall be brought and maintained exclusively in a court of the State of Michigan located in Wayne County or in the United States District Court for the Eastern District of Michigan. You hereby consent to submit to the personal jurisdiction of a court in the State of Michigan located in Wayne County and the United States District Court for the Eastern District of Michigan for any dispute arising out of or relating to this EULA.

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## **Binding Arbitration and Class Action Waiver**

**(a) Application.** This Section applies to any dispute EXCEPT IT DOES NOT INCLUDE A DISPUTE RELATING TO COPYRIGHT INFRINGEMENT, OR TO THE ENFORCEMENT OR VALIDITY OF YOUR, FORD MOTOR COMPANY, OR ANY OF FORD MOTOR COMPANY'S LICENSORS' INTELLECTUAL PROPERTY RIGHTS. Dispute means any dispute, action, or other controversy between You and FORD MOTOR COMPANY, other than the exceptions listed above, concerning the SOFTWARE (including its price) or this EULA, whether in contract, warranty, tort, statute, regulation, ordinance, or any other legal or equitable basis.

**(b) Notice of Dispute.** In the event of a Dispute, You or FORD MOTOR COMPANY must give the other a "Notice of Dispute", which is a written statement of the name, address, and contact information of the party giving it, the facts giving rise to the dispute, and the relief requested. You and FORD MOTOR COMPANY will attempt to resolve any dispute through informal negotiation within 60 days from the date the Notice of Dispute is sent. After 60 days, You or FORD MOTOR COMPANY may commence arbitration.

**(c) Small claims court.** You may also litigate any dispute in small claims court in your county of residence or FORD MOTOR COMPANY'S principal place of business, if the dispute meets all requirements to be heard in the small claims court. You may litigate in small claims court whether or not You negotiated informally first.

**(d) Binding arbitration.** If You and FORD MOTOR COMPANY, do not resolve any dispute by informal negotiation or in small claims court, any other effort to resolve the dispute will be conducted exclusively by binding arbitration. You are giving up

the right to litigate (or participate in as a party or class member) all disputes in court before a judge or jury. Instead, all disputes will be resolved before a neutral arbitrator, whose decision will be final except for a limited right of appeal under the Federal Arbitration Act. Any court with jurisdiction over the parties may enforce the arbitrator's award.

**(e) Class action waiver.** Any proceedings to resolve or litigate any dispute in any forum will be conducted solely on an individual basis. Neither you nor FORD MOTOR COMPANY, will seek to have any dispute heard as a class action, as a private attorney general action, or in any other proceeding in which any party acts or proposes to act in a representative capacity. No arbitration or proceeding will be combined with another without the prior written consent of all parties to all affected arbitrations or proceedings.

**(f) Arbitration procedure.** Any arbitration will be conducted by the American Arbitration Association (the "AAA"), under its Commercial Arbitration Rules. If You are an individual and use the SOFTWARE for personal or vehicle use, or if the value of the dispute is \$75,000 or less whether or not You are an individual or how You use the SOFTWARE, the AAA Supplementary Procedures for Consumer-Related Disputes will also apply. To commence arbitration, submit a Commercial Arbitration Rules Demand for Arbitration form to the AAA. You may request a telephonic or in-person hearing by following the AAA rules. In a dispute involving \$10,000 or less, any hearing will be telephonic unless the arbitrator finds good cause to hold an in-person hearing instead. For more information, see [adr.org](http://adr.org) or call 1-800-778-7879. You agree to commence arbitration only in your county of residence or FORD MOTOR COMPANY'S principal place of business. The arbitrator

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may award the same damages to You individually as a court could. The arbitrator may award declaratory or injunctive relief only to You individually, and only to the extent required to satisfy Your individual claim.

## **(g) Arbitration fees and incentives.**

- i. Disputes involving \$75,000 or less. FORD MOTOR COMPANY will promptly reimburse your filing fees and pay the AAA's and arbitrator's fees and expenses. If you reject FORD MOTOR COMPANY'S last written settlement offer made before the arbitrator was appointed ("last written offer"), your dispute goes all the way to an arbitrator's decision (called an "award"), and the arbitrator awards you more than the last written offer, FORD MOTOR COMPANY will give you three incentives: (1) pay the greater of the award or \$1,000; (2) pay twice your reasonable attorney's fees, if any; and (3) reimburse any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing your claim in arbitration. The arbitrator will determine the amounts.
- ii. Disputes involving more than \$75,000. The AAA rules will govern payment of filing fees and the AAA's and arbitrator's fees and expenses.
- iii. Disputes involving any amount. In any arbitration you commence, FORD MOTOR COMPANY will seek its AAA or arbitrator's fees and expenses, or Your filing fees it reimbursed, only if the arbitrator finds the arbitration frivolous or brought for an improper purpose. In any arbitration FORD MOTOR COMPANY commences, it will pay all

filing, AAA, and arbitrator's fees and expenses. It will not seek its attorney's fees or expenses from you in any arbitration. Fees and expenses are not counted in determining how much a dispute involves.

**(h) Claims or disputes must be filed within one year.** To the extent permitted by law, any claim or dispute under this EULA to which this Section applies must be filed within one year in small claims court (Section c) or in arbitration (Section d). The one-year period begins when the claim or dispute first could be filed. If such a claim or dispute is not filed within one year, it is permanently barred.

**(i) Severability.** If the class action waiver (Section e) is found to be illegal or unenforceable as to all or some parts of a dispute, then that portion of Section e will not apply to those parts. Instead, those parts will be severed and proceed in a court of law, with the remaining parts proceeding in arbitration. If any other provision of that portion Section e is found to be illegal or unenforceable, that provision will be severed with the remainder of Section e remaining in full force and effect.

## **Telenav Software End User License Agreement**

Please read these terms and conditions carefully before you use the TeleNav Software. Your use of the TeleNav Software indicates that you accept these terms and conditions. If you do not accept these terms and conditions, do not break the seal of the package, launch, or otherwise use the TeleNav Software. TeleNav may revise this Agreement and the privacy policy at any time, with or without notice to you. You agree to visit <http://www.telenav.com> from time to time to review the then current version of this Agreement and of the privacy policy.

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## 1. Safe and Lawful Use

You acknowledge that devoting attention to the TeleNav Software may pose a risk of injury or death to you and others in situations that otherwise require your undivided attention, and you therefore agree to comply with the following when using the TeleNav Software:

- (a) observe all traffic laws and otherwise drive safely;
- (b) use your own personal judgment while driving. If you feel that a route suggested by the TeleNav Software instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or directs you into an area that you consider to be unsafe, do not follow such instructions;
- (c) do not input destinations, or otherwise manipulate the TeleNav Software, unless your vehicle is stationary and parked;
- (d) do not use the TeleNav Software for any illegal, unauthorized, unintended, unsafe, hazardous, or unlawful purposes, or in any manner inconsistent with this Agreement;
- (e) arrange all GPS and wireless devices and cables necessary for use of the TeleNav Software in a secure manner in your vehicle so that they will not interfere with your driving and will not prevent the operation of any safety device (such as an airbag).

You agree to indemnify and hold TeleNav harmless against all claims resulting from any dangerous or otherwise inappropriate use of the TeleNav Software in any moving vehicle, including as a result of your failure to comply with the directions above.

## 2. Account Information

You agree: (a) when registering the TeleNav Software, to provide TeleNav with true, accurate, current, and complete information about yourself, and (b) to inform TeleNav promptly of any changes to such information, and to keep it true, accurate, current and complete.

## 3. Software License

- Subject to your compliance with the terms of this Agreement, TeleNav hereby grants to you a personal, non-exclusive, non-transferable license (except as expressly permitted below in connection with your permanent transfer of the TeleNav Software license), without the right to sublicense, to use the TeleNav Software (in object code form only) in order to access and use the TeleNav Software. This license shall terminate upon any termination or expiration of this Agreement. You agree that you will use the TeleNav Software only for your personal business or leisure purposes, and not to provide commercial navigation services to other parties.

### 3.1 License Limitations

- **(a)** reverse engineer, decompile, disassemble, translate, modify, alter or otherwise change the TeleNav Software or any part thereof; **(b)** attempt to derive the source code, audio library or structure of the TeleNav Software without the prior express written consent of TeleNav; **(c)** remove from the TeleNav Software, or alter, any of TeleNav's or its suppliers' trademarks, trade names, logos, patent or copyright notices, or other notices or markings; **(d)**

# Appendices

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distribute, sublicense or otherwise transfer the TeleNav Software to others, except as part of your permanent transfer of the TeleNav Software; or **(e)** use the TeleNav Software in any manner that

- i. infringes the intellectual property or proprietary rights, rights of publicity or privacy or other rights of any party,
- ii. violates any law, statute, ordinance or regulation, including but not limited to laws and regulations related to spamming, privacy, consumer and child protection, obscenity or defamation, or
- iii. is harmful, threatening, abusive, harassing, tortuous, defamatory, vulgar, obscene, libelous, or otherwise objectionable; and (f) lease, rent out, or otherwise permit unauthorized access by third parties to the TeleNav Software without advanced written permission of TeleNav.

## 4. Disclaimers

- To the fullest extent permissible pursuant to applicable law, in no event will TeleNav, its licensors and suppliers, or agents or employees of any of the foregoing, be liable for any decision made or action taken by you or anyone else in reliance on the information provided by the TeleNav Software. TeleNav also does not warrant the accuracy of the map or other data used for the TeleNav Software. Such data may not always reflect reality due to, among other things, road closures, construction, weather, new roads and other changing conditions. You are responsible for the entire risk arising out of your use of the TeleNav Software. For example but without limitation, you agree not to rely on the TeleNav Software for critical navigation in areas where the well-being or survival of you or others

is dependent on the accuracy of navigation, as the maps or functionality of the TeleNav Software are not intended to support such high risk applications, especially in more remote geographical areas.

- TELENAV EXPRESSLY DISCLAIMS AND EXCLUDES ALL WARRANTIES IN CONNECTION WITH THE TELENAV SOFTWARE, WHETHER STATUTORY, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES WHICH MAY ARISE FROM COURSE OF DEALING, CUSTOM OR TRADE AND INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS WITH RESPECT TO THE TELENAV SOFTWARE.
- Certain jurisdictions do not permit the disclaimer of certain warranties, so this limitation may not apply to you.

## 5. Limitation of Liability

- TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL TELENAV OR ITS LICENSORS AND SUPPLIERS BE LIABLE TO YOU OR TO ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES (INCLUDING IN EACH CASE, BUT NOT LIMITED TO, DAMAGES FOR THE INABILITY TO USE THE EQUIPMENT OR ACCESS DATA, LOSS OF DATA, LOSS OF BUSINESS, LOSS OF PROFITS, BUSINESS INTERRUPTION OR THE LIKE) ARISING OUT OF THE USE OF OR INABILITY TO USE THE TELENAV SOFTWARE, EVEN IF TELENAV HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOTWITHSTANDING ANY DAMAGES THAT YOU MIGHT INCUR FOR ANY

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REASON WHATSOEVER (INCLUDING, WITHOUT LIMITATION, ALL DAMAGES REFERENCED HEREIN AND ALL DIRECT OR GENERAL DAMAGES IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE), THE ENTIRE LIABILITY OF TELENAV AND OF ALL OF TELENAV'S SUPPLIERS SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE TELENAV SOFTWARE. SOME STATES AND/OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

## **6. Arbitration and Governing Law**

- You agree that any dispute, claim or controversy arising out of or relating to this Agreement or the TeleNav Software shall be settled by independent arbitration involving a neutral arbitrator and administered by the American Arbitration Association in the County of Santa Clara, California. The arbitrator shall apply the Commercial Arbitration Rules of the American Arbitration Association, and the judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction. Note that there is no judge or jury in an arbitration proceeding and the decision of the arbitrator shall be binding upon both parties. You expressly agree to waive your right to a jury trial. This Agreement and performance hereunder will be governed by and construed in accordance with the laws of the State of California, without giving effect to its conflict of law provisions. To the extent judicial action is necessary in connection with the binding arbitration, both TeleNav and you agree to submit

to the exclusive jurisdiction of the courts of the County of Santa Clara, California. The United Nations Convention on Contracts for the International Sale of Goods shall not apply.

## **7. Assignment**

- You may not resell, assign, or transfer this Agreement or any of your rights or obligations, except in totality, in connection with your permanent transfer of the TeleNav Software, and expressly conditioned upon the new user of the TeleNav Software agreeing to be bound by the terms and conditions of this Agreement. Any such sale, assignment or transfer that is not expressly permitted under this paragraph will result in immediate termination of this Agreement, without liability to TeleNav, in which case you and all other parties shall immediately cease all use of the TeleNav Software. Notwithstanding the foregoing, TeleNav may assign this Agreement to any other party at any time without notice, provided the assignee remains bound by this Agreement.

## **8. Miscellaneous**

### **8.1**

This Agreement constitutes the entire agreement between TeleNav and you with respect to the subject matter hereof.

### **8.2**

Except for the limited licenses expressly granted in this Agreement, TeleNav retains all right, title and interest in and to the TeleNav Software, including without limitation all related intellectual property rights. No licenses or other rights which are not expressly granted in this Agreement are intended to, or shall be, granted or

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conferred by implication, statute, inducement, estoppel or otherwise, and TeleNav and its suppliers and licensors hereby reserve all of their respective rights other than the licenses explicitly granted in this Agreement.

## 8.3

By using the TeleNav Software, you consent to receive from TeleNav all communications, including notices, agreements, legally required disclosures or other information in connection with the TeleNav Software (collectively, "Notices") electronically. TeleNav may provide such Notices by posting them on TeleNav's Website or by downloading such Notices to your wireless device. If you desire to withdraw your consent to receive Notices electronically, you must discontinue your use of the TeleNav Software.

## 8.4

TeleNav's or your failure to require performance of any provision shall not affect that party's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this Agreement constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

## 8.5

If any provision herein is held unenforceable, then such provision will be modified to reflect the intention of the parties, and the remaining provisions of this Agreement will remain in full force and effect.

## 8.6

The headings in this Agreement are for convenience of reference only, will not be deemed to be a part of this Agreement, and will not be referred to in connection with the construction or interpretation of this Agreement. As used in this Agreement, the words "include" and "including" and variations thereof, will not be deemed to be terms of limitation, but rather will be deemed to be followed by the words "without limitation".

## 9. Other Vendors Terms and Conditions

- The Telenav Software utilizes map and other data licensed to Telenav by third party vendors for the benefit of you and other end users. This Agreement includes end-user terms applicable to these companies (included at the end of this Agreement), and thus your use of the Telenav Software is also subject to such terms. You agree to comply with the following additional terms and conditions, which are applicable to Telenav's third party vendor licensors:

### 9.1 End User Terms Required by HERE North America, LLC

The data ("Data") is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and Telenav ("Telenav") and its licensors (including their licensors and suppliers) on the other hand.

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The Data for areas of Canada includes information taken with permission from Canadian authorities, including: © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario, © Canada Post Corporation, GeoBase®, © Department of Natural Resources Canada.

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The Data for Mexico includes certain data from Instituto Nacional de Estadística y Geografía.

## **9.2 End User Terms Required by NAV2 (Shanghai) Co., Ltd**

The data (“Data”) is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and NAV2 (Shanghai) Co., Ltd (“NAV2”) and its licensors (including their licensors and suppliers) on the other hand. 20xx. All rights reserved

### **Terms and Conditions**

**Permitted Use.** You agree to use this Data together with the Telenav Software solely for the internal business and personal purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, you agree not to otherwise reproduce, copy, modify, decompile, disassemble, create any derivative works of, or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws.

**Restrictions.** Except where you have been specifically licensed to do so by Telenav, and without limiting the preceding paragraph, you may not use this Data (a) with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in communication with any positioning devices or any mobile or wireless-connected electronic or computer devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs.

**Warning.** The Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

**No Warranty.** This Data is provided to you “as is,” and you agree to use it at your own risk. Telenav and its licensors (and their licensors and suppliers) make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

**Disclaimer of Warranty:** TELENAV AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR A

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PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

**Disclaimer of Liability:** TELENAV AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF TELENAV OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

**Export Control.** You shall not export from anywhere any part of the Data or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations, including but not limited to the laws, rules and regulations administered by the Office of Foreign Assets Control of the U.S. Department of Commerce and the Bureau of Industry and Security of the U.S. Department of Commerce. To the extent that any such

export laws, rules or regulations prohibit HERE from complying with any of its obligations hereunder to deliver or distribute Data, such failure shall be excused and shall not constitute a breach of this Agreement.

**Entire Agreement.** These terms and conditions constitute the entire agreement between Telenav (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

**Governing Law.** The above terms and conditions shall be governed by the laws of the State of Illinois [insert "Netherlands" where European HERE Data is used], without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. You agree to submit to the jurisdiction of the State of Illinois [insert "The Netherlands" where European HERE Data is used] for any and all disputes, claims and actions arising from or in connection with the Data provided to you hereunder.

**Government End Users.** If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, this Data is a "commercial item" as that term is defined at 48 C.F.R. ("FAR") 2.101, is licensed in accordance with these End-User Terms, and each copy of Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following "Notice of Use," and shall be treated in accordance with such Notice:

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## NOTICE OF USE

CONTRACTOR (MANUFACTURER/  
SUPPLIER) NAME: HERE

CONTRACTOR (MANUFACTURER/  
SUPPLIER) ADDRESS: c/o Nokia, 425  
West Randolph Street, Chicago, Illinois  
60606

This Data is a commercial item as  
defined in FAR 2.101 and is subject to  
these End-User Terms under which this  
Data was provided.

© 1987 – 2014 HERE – All rights reserved.

If the Contracting Officer, federal government agency, or any federal official refuses to use the legend provided herein, the Contracting Officer, federal government agency, or any federal official must notify HERE prior to seeking additional or alternative rights in the Data.

### I. US/Canada Territory

A. United States Data. The End-User Terms for any Application containing Data for the United States shall contain the following notices:

"HERE holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information."

"©United States Postal Service® 20XX. Prices are not established, controlled or approved by the United States Postal Service®. The following trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4."

B. Canada Data. The following provisions apply to the Data for Canada, which may include or reflect data from third party licensors ("Third Party Data"), including Her Majesty the Queen in Right of Canada ("Her Majesty"), Canada Post Corporation ("Canada Post") and the Department of Natural Resources of Canada ("NRCan"):

1. Disclaimer and Limitation: Client agrees that its use of the Third Party Data is subject to the following provisions:

a. Disclaimer: The Third Party Data is licensed on an "as is" basis. The licensors of such data, including Her Majesty, Canada Post and NRCan, make no guarantees, representations or warranties respecting such data, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose.

b. Limitation on Liability: The Third Party Data licensors, including Her Majesty, Canada Post and NRCan, shall not be liable: (i) in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of such Data; or (ii) in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the Data.

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2. Copyright Notice: In connection with each copy of all or any portion of the Data for the Territory of Canada, Client shall affix in a conspicuous manner the following copyright notice on at least one of: (i) the label for the storage media of the copy; (ii) the packaging for the copy; or (iii) other materials packaged with the copy, such as user manuals or end user license agreements: "This data includes information taken with permission from Canadian authorities, including © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario, © Canada Post Corporation, GeoBase®, © The Department of Natural Resources Canada. All rights reserved."

3. End-User Terms: Except as otherwise agreed by the parties, in connection with the provision of any portion of the Data for the Territory of Canada to End-Users as may be authorized under the Agreement, Client shall provide such End-Users, in a reasonably conspicuous manner, with terms (set forth with other end user terms required to be provided under the Agreement, or as otherwise may be provided, by Client) which shall include the following provisions on behalf of the Third Party Data licensors, including Her Majesty, Canada Post and NRCan:

The Data may include or reflect data of licensors, including Her Majesty the Queen in the Right of Canada ("Her Majesty"), Canada Post Corporation ("Canada Post") and the Department of Natural Resources Canada ("NRCan"). Such data is licensed on an "as is" basis. The licensors, including Her Majesty, Canada Post and NRCan, make no guarantees, representations or warranties respecting such data,

either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose. The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of the data or the Data. The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the data or the Data.

End User shall indemnify and save harmless the licensors, including Her Majesty, Canada Post and NRCan, and their officers, employees and agents from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use or possession of the data or the Data.

4. Additional Provisions: The terms contained in this Section are in addition to all of the rights and obligations of the parties under the Agreement. To the extent that any of the provisions of this Section are inconsistent with, or conflict with, any other provisions of the Agreement, the provisions of this Section shall prevail.

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II. Mexico. The following provision applies to the Data for Mexico, which includes certain data from the Instituto Nacional de Estadística y Geografía (“INEGI”):

A. Any and all copies of the Data and/or packaging containing Data for Mexico shall contain the following notice: “Fuente: INEGI (Instituto Nacional de Estadística y Geografía)”

## III. Latin America Territory

A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Territory Notice

Argentina	IGN “INSTITUTO GEOGRAFICO NACIONAL ARGENTINO”
Ecuador	“INSTITUTO GEOGRAFICO MILITAR DEL ECUADOR AUTORIZACION N° IGM-2011-01- PCO-01 DEL 25 DE ENERO DE 2011” “source: © IGN 2009 - BD TOPO ®”
Guadeloupe, French Guiana and Martinique Mexico	“Fuente: INEGI (Instituto Nacional de Estadística y Geografía)”

## IV. Middle East Territory

A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Country Notice

Jordan “© Royal Jordanian Geographic Centre”. The foregoing notice requirement for Jordan Data is a material term of the Agreement. If Client or any of its permitted sublicensees (if any) fail to meet such requirement, HERE shall have the right to terminate Client’s license with respect to the Jordan Data.

B. Jordan Data. Client and its permitted sublicensees (if any) are restricted from licensing and/or otherwise distributing HERE’s database for the country of Jordan (“Jordan Data”) for use in Enterprise Applications to (i) non-Jordanian entities for use of the Jordan Data solely in Jordan or (ii) Jordan-based customers. In addition, Client, its permitted sublicensees (if any) and End-Users are restricted from using the Jordan Data in Enterprise Applications if such party is (i) a non-Jordanian entity using the Jordan Data solely in Jordan or (ii) a Jordan-based customer. For purposes of the foregoing, “Enterprise Applications” shall mean Geomarketing applications, GIS applications, mobile business asset management applications, call center applications, telematics applications, public organization Internet applications or for providing geocoding services.

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## V. Europe Territory

### A. Use of Certain Traffic Codes in Europe

1. General Restrictions Applicable to Traffic Codes. Client acknowledges and agrees that in certain countries of the Europe Territory, Client will need to obtain rights directly from third party RDS-TMC code providers to receive and use the Traffic Codes in the Data and to deliver to End-Users Transactions in any way derived from or based on such Traffic Codes. For such countries, HERE shall deliver the Data incorporating Traffic Codes to Client only after receiving certification from Client of its having obtained such rights.

2. Display of Third Party Rights Legends for Belgium. Client shall, for each Transaction that uses Traffic Codes for Belgium, provide the following notice to the End-User: "Traffic Codes for Belgium are provided by the Ministerie van de Vlaamse Gemeenschap and the Ministère de l'Équipement et des Transports."

B. Paper Maps. With respect to any license granted to Client relating to making, selling or distributing paper maps (i.e., a map fixed on a paper or paper-like medium): (a) such license with respect to Data for the Territory of Great Britain is conditioned on Client's entering into and complying with a separate written agreement with the Ordnance Survey ("OS") to create and sell paper maps, Client's paying to the OS any and all applicable paper map royalties, and Client's complying with the OS copyright notice requirements; (b) such license for selling or otherwise distributing for charge with respect to Data for the Territory of Czech Republic

is conditioned on Client's obtaining prior written consent from Kartografie a.s.; (c) such license for selling or distributing with respect to Data for the Territory of Switzerland is conditioned on Client's obtaining a permit from Bundesamt für Landestopografie of Switzerland; (d) Client is restricted from using Data for the Territory of France to create paper maps with a scale between 1:5,000 and 1:250,000; and (e) Client is restricted from using any Data to create, sell or distribute paper maps that are the same or substantially similar, in terms of data content and specific use of color, symbols and scale, to paper maps published by the European national mapping agencies, including without limitation, Landvermessungämter of Germany, Topografische Dienst of the Netherlands, Nationaal Geografisch Instituut of Belgium, Bundesamt für Landestopografie of Switzerland, Bundesamt für Eich-und Vermessungswesen of Austria, and the National Land Survey of Sweden.

C. OS Enforcement. Without limiting Section IV(B) above, with respect to Data for the Territory of Great Britain, Client acknowledges and agrees that the Ordnance Survey ("OS") may bring a direct action against Client to enforce compliance with the OS copyright notice (see Section IV(D) below) and paper map requirements (see Section IV(B) above) contained in this Agreement.

D. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Country(ies) Notice

# Appendices

Austria	“© Bundesamt für Eich- und Vermessungswesen”	Spain	“Información geográfica propiedad del CNIG”
Croatia Cyprus, Estonia, Latvia, Lithuania, Moldova, Poland, Slovenia and/or Ukraine	“© EuroGeographics”	Sweden	“Based upon electronic data © National Land Survey Sweden.”
France	“source: © IGN 2009 – BD TOPO ®”	Switzerland	“Topografische Grundlage: © Bundesamt für Landestopographie.
Germany	“Die Grundlagendaten wurden mit Genehmigung der zuständigen Behörden entnommen”	E. Respective Country Distribution. Client acknowledges that HERE has not received approvals to distribute map data for the following countries in such respective countries: Albania, Belarus, Kyrgyzstan, Moldova and Uzbekistan. HERE may update such list from time to time. The license rights granted to Client under this TL with respect to the Data for such countries are contingent upon Client’s compliance with all applicable laws and regulations, including, without limitation, any required licenses or approvals to distribute the Application incorporating such Data in such respective countries.	
Great Britain	“Contains Ordnance Survey data © Crown copyright and database right 2010 Contains Royal Mail data © Royal Mail copyright and database right 2010”	VI. Australia Territory	A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:  Copyright. Based on data provided under license from PSMA Australia Limited (www.pasma.com.au).
Greece	“Copyright Geomatics Ltd.”		
Hungary	“Copyright © 2003; Top-Map Ltd.”		
Italy	“La Banca Dati Italiana è stata prodotta usando quale riferimento anche cartografia numerica ed al tratto prodotta e fornita dalla Regione Toscana.”		
Norway	“Copyright © 2000; Norwegian Mapping Authority”		
Portugal	“Source: IgeoE – Portugal”		

# Appendices

Product incorporates data which is © 20XX Telstra Corporation Limited, GM Holden Limited, Intelomatics Australia Pty Ltd and Continental Pty Ltd.

B. Third Party Notices for Australia. In addition to the foregoing, the End-User Terms for any Application containing RDS-TMC Traffic Codes for Australia shall contain the following notice: “Product incorporates traffic location codes which is © 20XX Telstra Corporation Limited and its licensors.”

## **AT&T Vehicle Network Carrier Telematics Disclosure**

END USER FOR PURPOSES OF THIS SECTION MEANS YOU AND YOUR HEIRS, EXECUTORS, LEGAL PERSONAL REPRESENTATIVES AND PERMITTED ASSIGNS. FOR PURPOSES OF THIS SECTION “UNDERLYING WIRELESS SERVICE CARRIER” INCLUDES ITS AFFILIATES AND CONTRACTORS AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SUCCESSORS AND ASSIGNS. END USER HAS NO CONTRACTUAL RELATIONSHIP WITH THE UNDERLYING WIRELESS SERVICE CARRIER AND END USER IS NOT A THIRD PARTY BENEFICIARY OF ANY AGREEMENT BETWEEN FORD AND UNDERLYING CARRIER. END USER UNDERSTANDS AND AGREES THAT THE UNDERLYING CARRIER HAS NO LEGAL, EQUITABLE, OR OTHER LIABILITY OF ANY KIND TO END USER. IN ANY EVENT, REGARDLESS OF THE FORM OF THE ACTION, WHETHER FOR BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, END USER’S EXCLUSIVE REMEDY FOR CLAIMS ARISING IN ANY WAY IN CONNECTION WITH THIS AGREEMENT, FOR ANY CAUSE WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY FAILURE OR

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## **Radio Frequency Statement**

FCC ID: ACJ-SYNCG3-L

IC: 216B-SYNCG3-L

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- (1)** This device may not cause harmful interference, and
- (2)** this device must accept any interference received, including interference that may cause undesired operation.



**WARNING:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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## Taiwan Territory

Note: In accordance with the management approach of low-power radio wave radiation motors:

Article 12: For approved and certified low-power radiation motor models, companies, firms or users must not alter the frequency, increase the power or change the characteristics and functions of the original design without authorization.

Article 14: The usage of low-power radio-frequency motors must not affect aviation safety and interfere with legal telecommunications. Should interference be detected, immediately stop using the device and only resume usage after ensuring that there is no longer any interference. For the legal telecommunication and wireless telecommunication of the telco, the low-power radio frequency motor must be able to tolerate legal limits of interference from telecommunication, industrial, scientific and radio wave equipment.

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### 4. Use of SUNA Products and Services while driving

You, and other authorised drivers of the vehicle in which SUNA Products and/or Services are available or installed and active, remain at all times responsible for observing all relevant laws and codes of safe driving. In particular, you agree to only actively operate SUNA Products and/or Services when the Vehicle is at a complete stop and it is safe to do so.

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## 7. Please Note

Great care has been taken in preparing this manual. Constant product development may mean that some information is not entirely up-to-date. The information in this document is subject to change without notice.

## DECLARATION OF CONFORMITY

Your vehicle could have components that transmit and receive radio waves and are therefore subject to government regulation.

These components must accept any interference received, including interference that could cause undesired operation. For certification labels and declarations of conformity, visit [www.wirelessconformity.ford.com](http://www.wirelessconformity.ford.com).

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