

FORD **FOCUS** Owner's Manual



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Introduction

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 it, 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.

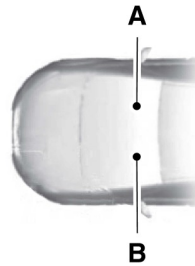
Note: This manual describes product features and options available throughout the range of available models, sometimes even before they are generally available. It may describe options not fitted to the vehicle you have purchased.

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.



E154903

- 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 Owner's Manual



Air conditioning system



Anti-lock braking system



Avoid smoking, flames or sparks



Battery



Battery acid



Brake fluid - non petroleum based

Introduction



Brake system



Cabin air filter



Check fuel cap



Child safety door lock or unlock



Child seat lower anchor



Child seat tether anchor



Cruise control



Do not open when hot



Engine air filter



Engine coolant



Engine coolant temperature



Engine oil



Explosive gas



Fan warning



Fasten safety belt



Front airbag



Front fog lamps



Fuel pump reset



Fuse compartment



Hazard warning flashers



Heated rear window



Heated windshield



Interior luggage compartment release



Jack



Keep out of reach of children



Lighting control



Low tire pressure warning



Maintain correct fluid level



Note operating instructions



Panic alarm

Introduction



Parking aid



Parking brake



Power steering fluid



Power windows front/rear



Power window lockout



Service engine soon



Side airbag



Shield the eyes



Stability control



Windshield wash and wipe

DATA RECORDING

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors.

In general, this technical information documents the condition of parts, modules, systems or the environment:

- Operating conditions of system components (e.g. filling levels).
- Status messages of the vehicle and its individual components (e.g. number of wheel revolutions/rotational speed, deceleration, lateral acceleration).
- Malfunction and defects in important system components (e.g. lighting and brake system).
- Vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system).
- Environmental conditions (e.g. temperature).

These data are exclusively technical and help identification and correction of errors as well as optimisation of vehicle functions. Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (including manufacturers) are able to read out this technical information from the event and error data storage modules using special diagnostic devices. If required, you will receive further information. After an error has been corrected, these data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Introduction

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

REPLACEMENT PARTS RECOMMENDATION

Your vehicle has been built 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.

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 do happen. Genuine Ford replacement collision parts meet our stringent requirements for fit, finish, structural integrity, corrosion protection and dent resistance. During vehicle development we validate 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. Damage caused to your vehicle as a result of the failure of non-Ford parts may not be covered by the Ford Warranty. For additional information, refer to the terms and conditions of the Ford Warranty.

MOBILE COMMUNICATIONS EQUIPMENT

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.

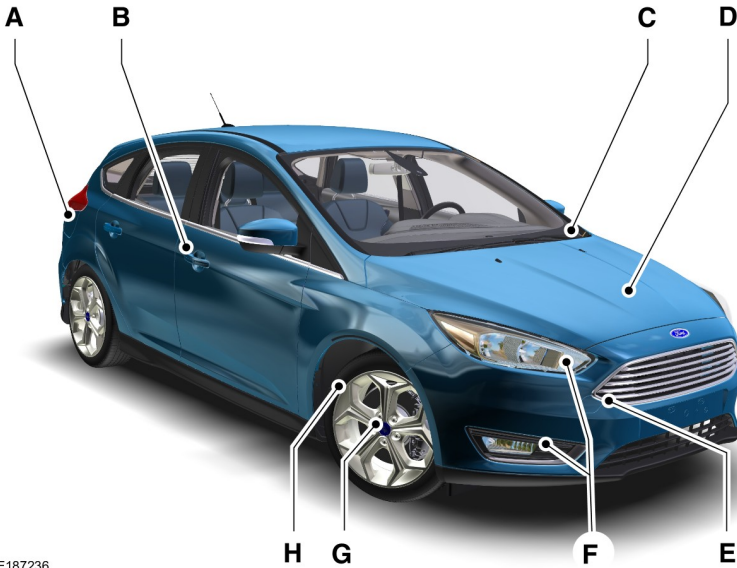
WARNING



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.

At a Glance

FRONT EXTERIOR OVERVIEW

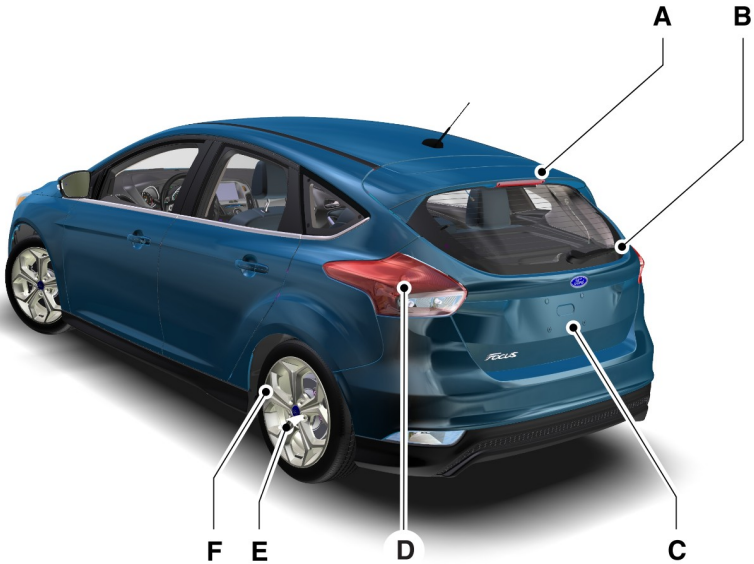


E187236

- A See **Fuel and Refueling** (page 121).
- B See **Locking and Unlocking** (page 38).
- C See **Changing the Wiper Blades** (page 215).
- D See **Maintenance** (page 201).
- E See **Towing Points** (page 179).
- F See **Changing a Bulb** (page 216).
- G See **Wheels and Tires** (page 224).
- H See **Changing a Road Wheel** (page 232).

At a Glance

REAR EXTERIOR OVERVIEW

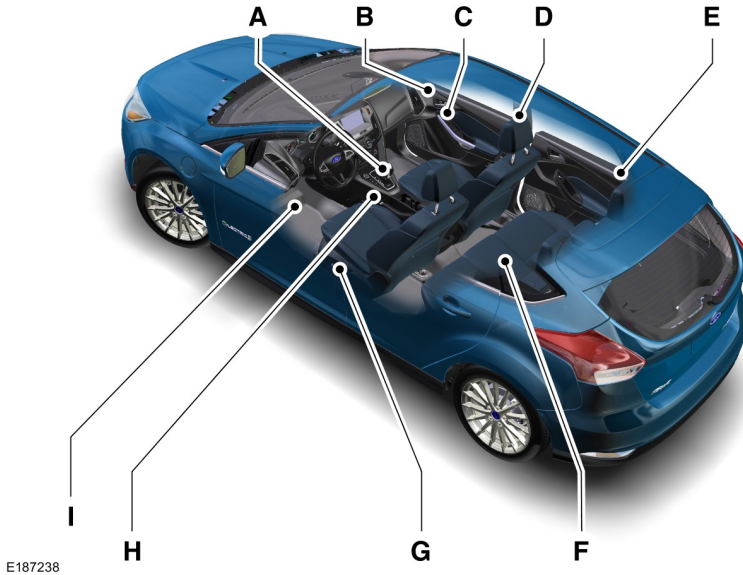


E187237

- A See **Changing a Bulb** (page 216).
- B See **Changing the Wiper Blades** (page 215).
- C See **Temporary Mobility Kit** (page 224). See **Changing a Road Wheel** (page 232).
- D See **Changing a Bulb** (page 216).
- E See **Changing a Road Wheel** (page 232).
- F See **Wheels and Tires** (page 224).

At a Glance

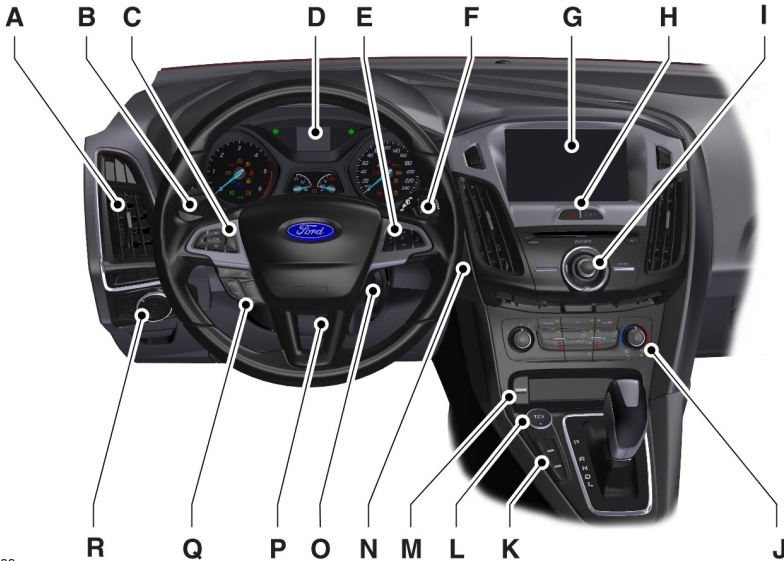
VEHICLE INTERIOR OVERVIEW



- A See **Transmission** (page 128).
- B See **Locking and Unlocking** (page 38).
- C See **Power Windows** (page 64).
- D See **Head Restraints** (page 99).
- E See **Fastening the Safety Belts** (page 25).
- F See **Rear Seats** (page 104).
- G See **Manual Seats** (page 100). See **Power Seats** (page 101).
- H See **Parking Brake** (page 132).
- I See **Opening and Closing the Hood** (page 201).

At a Glance

INSTRUMENT PANEL OVERVIEW - LHD



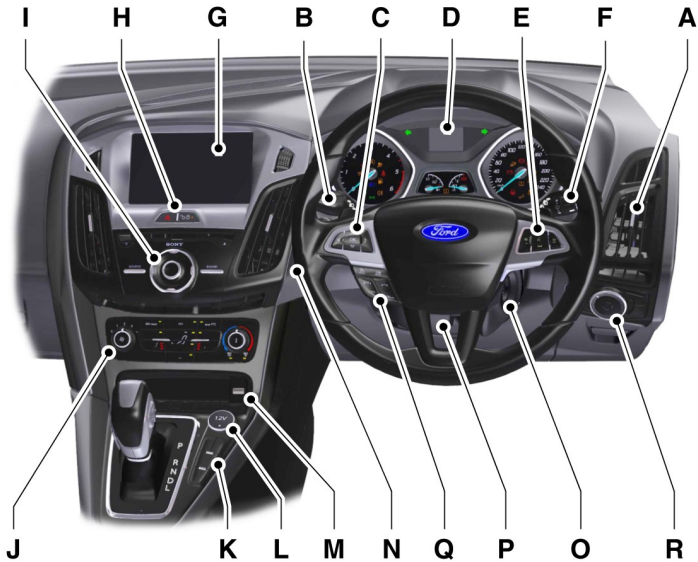
E187239

- A Air vents. See **Air Vents** (page 87).
- B Direction indicators. See **Direction Indicators** (page 61).
- C Audio control. See **Audio Control** (page 50).
- D Instrument cluster. See **Gauges** (page 70).
- E Voice control. See **Voice Control** (page 51).
- F Wiper lever. See **Wipers and Washers** (page 53).
- G Information and entertainment display. See **General Information** (page 75).
- H Hazard flasher switch. See **Roadside Emergencies** (page 186).
- I Audio unit. See **Audio Unit** (page 264).
- J Climate controls. See **Climate Control** (page 87).
- K Parking aid switch. See **Parking Aids** (page 137).
- L Auxiliary power point. See **Auxiliary Power Points** (page 107).
- M USB port. See **USB Port** (page 272).

At a Glance

- N Keyless start button. See **Keyless Starting** (page 110).
- O Ignition switch. See **Ignition Switch** (page 110).
- P Steering wheel adjustment. See **Adjusting the Steering Wheel** (page 50).
- Q Cruise control switches. See **Using Cruise Control** (page 148).
- R Lighting control. See **Lighting** (page 56).

INSTRUMENT PANEL OVERVIEW - RHD



E187240

- A Air vents. See **Air Vents** (page 87).
- B Direction indicators. See **Direction Indicators** (page 61).
- C Audio control. See **Audio Control** (page 50).
- D Instrument cluster. See **Gauges** (page 70).
- E Voice control. See **Voice Control** (page 51).
- F Wiper lever. See **Wipers and Washers** (page 53).
- G Information and entertainment display. See **General Information** (page 75).

At a Glance

- H Hazard flasher switch. See **Roadside Emergencies** (page 186).
- I Audio unit. See **Audio Unit** (page 264).
- J Climate controls. See **Climate Control** (page 87).
- K Parking aid switch. See **Parking Aids** (page 137).
- L Auxiliary power point. See **Auxiliary Power Points** (page 107).
- M USB port. See **USB Port** (page 272).
- N Keyless start button. See **Keyless Starting** (page 110).
- O Ignition switch. See **Ignition Switch** (page 110).
- P Steering wheel adjustment. See **Adjusting the Steering Wheel** (page 50).
- Q Cruise control. See **Cruise Control** (page 51).
- R Lighting control. See **Lighting Control** (page 56).

Child Safety

INSTALLING CHILD SEATS



E161855




E133140










E68916

WARNINGS

 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.

WARNINGS

-  Your vehicle may have a passenger airbag deactivation switch. You must switch the airbag off when using a rearward facing child seat on the front seat. Make sure you switch the airbag back on following removal of the rearward facing child seat. Failure to follow this warning could result in serious personal injury or death.
-  Use an approved child seat to secure children less than 59 in (150 cm) tall on the rear seat.
-  Read and follow the manufacturer's instructions when you are installing a child seat.
-  Do not modify child seats in any way.
-  Do not hold a child on your lap when your vehicle is moving.
-  To avoid risk of injury, do not leave children or pets unattended in your vehicle.
-  If your vehicle has been involved in a crash, have the child seats checked by an authorized dealer.

Only child seats certified to ECE-R129, ECE-R44.03 or later have been tested and approved for use in your vehicle. A choice of child seats are available from authorized dealers.

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

Child Seats for Different Mass Groups

Use the correct child seat as follows:

Child Safety

Rearward Facing Baby Safety Seat (Group 0+)



E68918

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

Child Safety Seat (Group 1)



E68920

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

Booster Seats

WARNINGS

-  Do not install a booster seat or a booster cushion with only the lap strap of the safety belt.
-  Do not install a booster seat or a booster cushion with a safety belt that is slack or twisted.
-  Do not put the safety belt under your child's arm or behind your child's back.
-  Do not use pillows, books or towels to boost your child's height.
-  Make sure that your children sit in an upright position.
-  Make sure the child seat 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. See **Head Restraints** (page 99).
-  You must reinstall the head restraint following the removal of the child seat. See **Head Restraints** (page 99).

Secure children that weigh more than 33 lb (15 kg) but are less than 59.06 in (150 cm) tall in a booster seat or a booster cushion.

Child Safety

Booster Seat (Group 2)



E70710

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 safety belt over the center of your child's shoulder and the lap strap tightly across your child's hips.

Booster Cushion (Group 3)




E68924

ISOFIX Anchor Points



E174928

WARNING

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

Your vehicle has ISOFIX anchor points that accommodate universally approved ISOFIX child seats.

The ISOFIX system has two rigid attachment arms on the child seat. These attach to anchor points on the second row seats, where the cushion and backrest meet. For child seats with a top tether, tether anchor points are on the rear of the second row seats.

Note: When you are purchasing an ISOFIX seat, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations. See **Child Seat Positioning** (page 21).

Child Safety

Attaching a Child Seat With Top Tethers

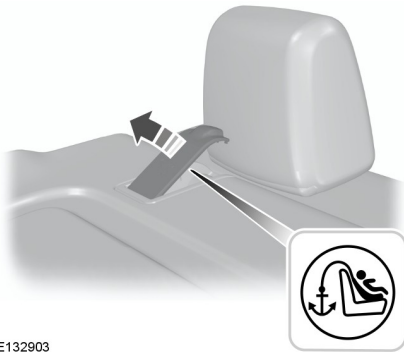
WARNING



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

Follow the child seat manufacturer's instructions for installing a child seat with a top tether.

Top Tether Anchor Points - 4 door



E132903

The top tether anchor points are located under a flap on the top of the rear seat backrest.

Top Tether Anchor Points - 5 door



E132902

The top tether anchor points are located on the rear of the rear seat backrest.

Attaching a Child Seat With a Support Leg

WARNINGS



Make sure the support leg is long enough to reach the vehicle floor.



Make sure that the child seat manufacturer lists your vehicle as suitable for use with this type of child seat.

Follow the child seat manufacturer's instructions for installing a child seat with a support leg.



Child Safety







E185352

CHILD SEAT POSITIONING

WARNINGS

-  See an authorized dealer for the latest details relating to our recommended child seats.
-  **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.

WARNINGS

-  If you use a child seat that has a support leg, make sure the support leg rests securely on the floor.
-  If you use a child seat and a safety belt, make sure that the safety belt is not slack or twisted.
-  Make sure the child seat 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. See **Head Restraints** (page 99).
-  You must reinstall the head restraint following the removal of the child seat. See **Head Restraints** (page 99).

Note: *When using a child seat 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 safety belt without slack remaining, adjust the seat backrest to the fully upright position and raise the height of the seat. See **Seats** (page 99).*

Child Safety

Seating positions	Mass group categories				
	0	0+	1	2	3
	Up to 22 lbs (10 kg)	Up to 29 lbs (13 kg)	20 - 40 lbs (9 - 18 kg)	33 - 55 lbs (15 - 25 kg)	46 - 79 lbs (22 - 36 kg)
Front passenger seat with airbag ON	X	X	UF ¹	UF ¹	UF ¹
Front passenger seat with airbag OFF	U ¹	U ¹	U ¹	U ¹	U ¹
Rear seats	U	U	U	U	U

X Not suitable for children in this mass group.

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

U¹ Suitable for universal category child seats approved for use in this mass group. We recommend that you secure children in a government approved child seat, on a rear seat.

UF¹ Suitable for universal category forward facing child seats approved for use in this mass group. We recommend that you secure children in a government approved child seat, on a rear seat.

ISOFIX Child Seats

Seating positions		Mass group categories			
		0	0+	1	
		Rearward facing		Forward facing	Rearward facing
		Up to 29 lbs (13 kg)		20 - 40 lbs (9 - 18 kg)	
Front passenger seat	Size class	No ISOFIX			
	Size type				
Rear outboard seat ISOFIX	Size class	C, D, E ¹	A, B, B1 ¹	C, D ¹	
	Size type	IL ²	IL ² , IUF ³	IL ²	

Child Safety

Seating positions		Mass group categories			
		0	0+	1	
		Rearward facing		Forward facing	Rearward facing
		Up to 29 lbs (13 kg)		20 - 40 lbs (9 - 18 kg)	
Rear center seat	Size class	No ISOFIX			
	Size type				

IL Suitable for use with particular ISOFIX child restraints 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 restraints systems in the universal category.

¹The capital letters A to G define the ISOFIX size class for both universal and semi-universal child restraints systems. You can see the identification letters on ISOFIX child restraints.

²At the time of going to print, the recommended Group O+ ISOFIX baby safety seat is the Britax Roemer Baby Safe.

³At the time of going to print, the recommended Group 1 ISOFIX child seat is the Britax Roemer Duo.

i-Size Child Seats

	Front passenger seat	Rear outboard seats	Rear center seat
i-Size Child Restraint Systems	X	i-U	X

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 SAFETY LOCKS - VEHICLES WITH: MECHANICAL CHILD PROOF LOCKS

When these locks are set, the rear doors cannot be opened from the inside.



E112197

The childproof locks are located on the rear edge of each rear door and must be set separately for each door.

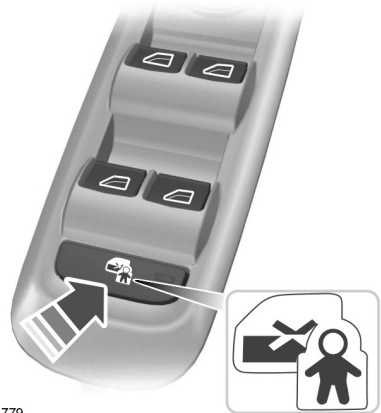
Left-Hand Side

Turn counterclockwise to lock and clockwise to unlock.

Right-Hand Side

Turn clockwise to lock and counterclockwise to unlock.

CHILD SAFETY LOCKS - VEHICLES WITH: REMOTE CHILD PROOF LOCKS



E124779

Press the switch to turn them on.

Note: You cannot use the rear power window switches with the child safety locks on.

Press the switch again to turn them off.

Safety Belts

FASTENING THE SAFETY BELTS

WARNINGS



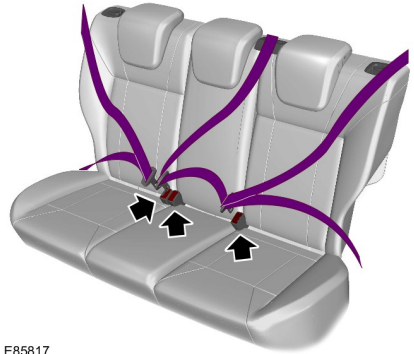
Insert the tongue into the buckle until you hear a distinct click. You have not fastened the safety belt correctly if you do not hear a click.



Make sure that your safety belt is securely stored away and is not outside your vehicle when closing the door.



E74124



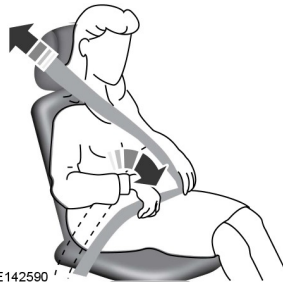
E85817

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

The rear outer safety belts can lock if you return the seat backrest from a folded position to the upright position forcefully. Should the safety belt lock, feed a small length of webbing back toward the stowed position.

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

Using Safety Belts During Pregnancy



E142590

Safety Belts

WARNING



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

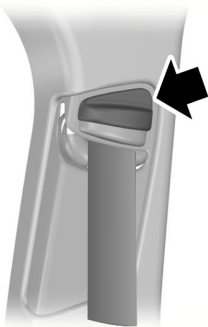
Pregnant women should always wear their safety belt. The lap belt portion of a combination lap and shoulder belt should be positioned low across the hips below the belly and worn as tight as comfort will allow. The shoulder belt should be positioned to cross the middle of the shoulder and the center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

SAFETY BELT HEIGHT ADJUSTMENT

WARNING



Position the safety belt height adjusters so that the belt rests across the middle of your shoulder. Failure to adjust the safety belt correctly could reduce the effectiveness of the safety belt and increase the risk of injury in a crash.



E87511

To adjust the shoulder belt height, squeeze the button and slide the height adjuster up or down. Release the button and pull down on the height adjuster to make sure it is locked in place.

SAFETY BELT MINDER

WARNING



The system will only provide protection when you use the safety belt correctly.

The warning lamp illuminates and an audible warning will sound when the following conditions have been met:

- The front safety belts have not been fastened.
- Your vehicle exceeds a relatively low speed.

It will also illuminate and sound if a front safety belt is unfastened when your vehicle is moving.

If you do not fasten your safety belt the warning switches off automatically after approximately five minutes.


Turning the Safety Belt Minder Off


Contact an authorized dealer.


Supplementary Restraints System


PRINCIPLE OF OPERATION


WARNINGS


 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.


 Do not modify the front of your vehicle in any way. This could adversely affect deployment of the airbags. Failure to adhere to this warning could result in serious personal injury or death.

 Wear a safety belt and keep sufficient distance between yourself and the steering wheel. Only when you use the safety belt correctly, can it hold you in a position that allows the airbag to achieve its optimum effect. See **Sitting in the Correct Position** (page 99). Failure to adhere to this warning could result in serious personal injury or death.

 Repairs to the steering wheel, steering column, seats, airbags and safety belts must be carried out by an authorized dealer. Failure to adhere to this warning could result in serious personal injury or death.

 Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers. In the event of a crash, hard objects could cause serious personal injury or death.

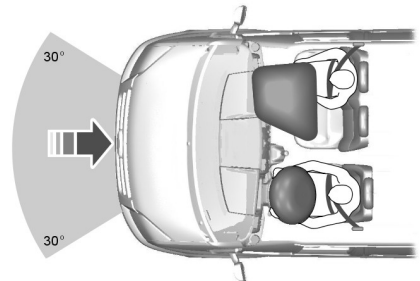
 Do not puncture the seat with sharp objects. This could damage and adversely affect deployment of the airbags. Failure to adhere to this warning could result in serious personal injury or death.

 Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer. Failure to adhere to this warning could result in serious personal injury or death.

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

Note: Only wipe airbag covers with a damp cloth.

DRIVER AIRBAG

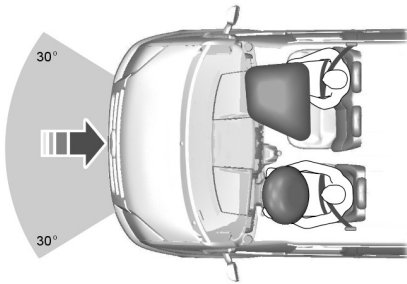


E68581

The airbag will deploy during significant frontal collisions or collisions that are up to 30 degrees from the left or the right. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupant, thus cushioning forward body movement. During minor frontal collisions, overturns, rear collisions and side collisions, the airbag will not deploy.

Supplementary Restraints System

PASSENGER AIRBAG



E68581

The airbag will deploy during a significant frontal crash or crashes that are up to 30 degrees from the left or the right. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupant, thus cushioning forward body movement. During minor frontal crashes, overturns, rear crashes and side crashes, the airbag will not deploy.

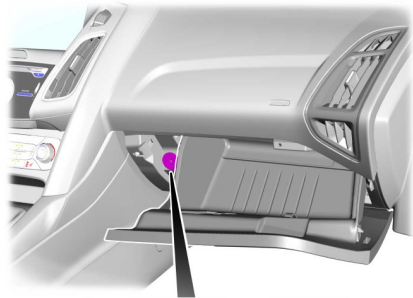
Switching the Passenger Airbag Off (If Equipped)

WARNING



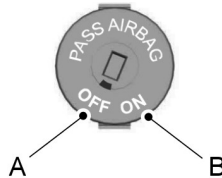
Extreme Hazard! You must switch the passenger airbag off when you are using a rearward facing child seat on the front passenger seat. Never use a rearward facing child restraint on a seat protected by an active airbag in front of it. Death or serious injury to the child can occur.

If you need to fit a child restraint on a seat protected by an operational airbag in front of it, have a passenger airbag deactivation switch fitted. Contact an authorized dealer.



E190145

The passenger airbag deactivation switch is located in the glove box.



E71312

- A Switch off
- B Switch on

Turn the switch to position A.

When you switch your vehicle on check that the airbag deactivation warning lamp illuminates. This is located in the overhead console.

Supplementary Restraints System

Switching the Passenger Airbag On

WARNING



You must switch the passenger airbag on when you are not using a rearward child seat on the front passenger seat. Failure to adhere to this warning could result in serious personal injury or death.

Turn the switch to position B.

When you switch your vehicle on check that the airbag deactivation warning lamp does not illuminate. This is located in the overhead console.

SIDE AIRBAGS

WARNING



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

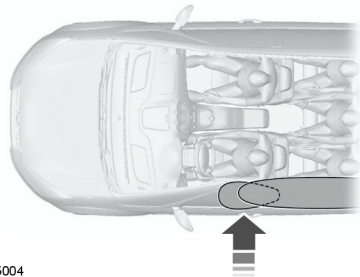


E72658

The airbags are located inside the seatback of the front seats. There is a label attached to the side of the seatback to indicate this.

The airbag will deploy during significant lateral collisions. The airbag will not deploy in minor lateral and frontal collisions, rear collisions, or overturns.

SIDE CURTAIN AIRBAGS



E75004

The airbags are located over the front and rear side windows.

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

Keys and Remote Controls

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 33 ft (10 m).

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 short distance radio transmissions (e.g. amateur radios, medical equipment, wireless headphones, remote controls 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-VEHICLES WITH: REMOTE FLIP KEY

Programming a New Remote Control

Contact an authorized dealer.

Reprogramming the Unlocking Function

Note: When you press the unlock button, either all the doors are unlocked or only the driver door is 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.

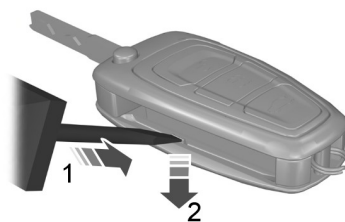
To return to the original unlocking function, repeat the process.

Changing the Remote Control Battery

The remote control uses one coin-type three-volt lithium battery CR2032 or equivalent.



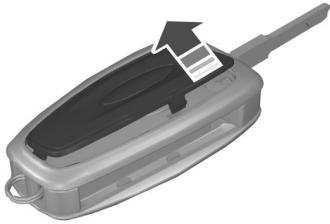
Make sure that you dispose of old batteries in an environmentally friendly way. Seek advice from your local authority about recycling old batteries.



E128809

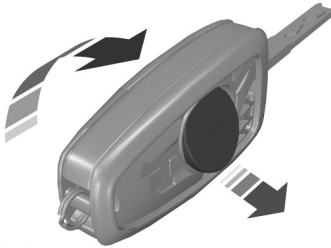
1. Insert a suitable tool, for example a screwdriver, in the position shown and gently push the clip.
2. Press the clip down to release the battery cover.

Keys and Remote Controls



E128810

3. Carefully remove the battery cover.



E128811

Note: Do not touch the battery contacts or the printed circuit board with the screwdriver.

4. Turn the remote control over to remove the battery.
5. Install a new battery with the + facing upward.
6. Reinstall the battery cover.

Note: Do not wipe off any grease on the battery terminals or on the back surface of the circuit board.

Note: You do not need to reprogram the remote control after you have replaced its battery, it should operate normally.

Locating Your Vehicle

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

The direction indicators do not flash if:

- Locking was not successful.
- Any door or the liftgate is open.
- The hood is open on vehicles with an anti-theft alarm.

REMOTE CONTROL-VEHICLES WITH: KEYLESS ENTRY

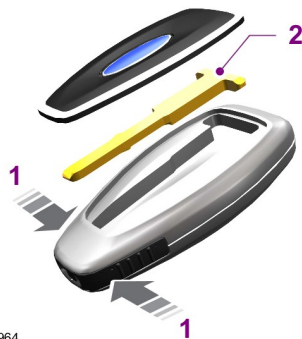
Intelligent Access Key



E162192

Key Blade

The intelligent access key also contains a removable key blade that you can use to unlock your vehicle.



E87964

To release the key blade:

Keys and Remote Controls

1. Press and hold the buttons on the edges to release the cover. Carefully remove the cover.
2. Remove the key blade.

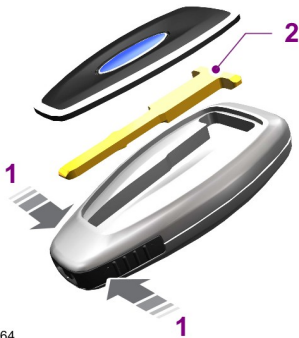
Programming a New Remote Control

To program an additional remote control See **Security** (page 44).

Changing the Remote Control Battery



Make sure that you dispose of old batteries in an environmentally friendly way. Seek advice from your local authority regarding recycling.



1. Press and hold the buttons on the edges to release the cover. Carefully remove the cover.
2. Remove the key blade.



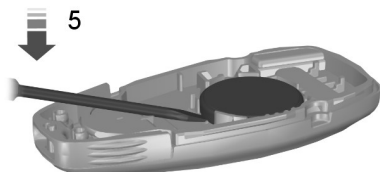
E105362

3. Use a suitable tool, for example a screwdriver, to carefully separate the two halves of the remote control.



E119190

4. Twist the screwdriver in the position shown to separate the two halves of the remote control.



E125860

Keys and Remote Controls

Note: *Do not touch the battery contacts or the printed circuit board with the screwdriver.*

5. Carefully prise out the battery with the screwdriver.
6. Install a new battery (3V CR 2032) with the + facing downwards.
7. Assemble the two halves of the remote control.
8. Reinstall the key blade.

Note: *Do not wipe off any grease on the battery terminals or on the back surface of the circuit board.*

Note: *Replacing the battery does not delete the transmitter from the vehicle. The transmitter should operate normally.*

Locating Your Vehicle

Press the lock button on the key twice within three seconds. The horn may sound and the direction indicators flash.

The horn may sound twice and the direction indicators do not flash if:

- Locking was not successful.
- Any door or the liftgate is open.
- The hood is open on vehicles with an anti-theft alarm or remote start.

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 **Replacing a Lost Key or Remote Control** (page 33).

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

PRINCIPLE OF OPERATION

The system allows you to program keys with restricted driving modes to promote good driving habits. You can use all but one of the keys programmed to your vehicle with these restricted modes.

Any keys that have not been programmed are referred to as an administrator key or admin key. These can be used to:

- create a MyKey
- program optional MyKey settings
- clear all MyKey features.

When you have programmed a MyKey, you can access the following information using the information display:

- How many admin keys and MyKeys are programmed to your vehicle.
- The total distance your vehicle has traveled using a MyKey.

Note: *Switch the ignition on to use the system.*

Note: *All MyKeys are programmed to the same settings. You cannot program them individually.*

Standard Settings

The following settings cannot be changed:

- Safety belt minder. You cannot disable this feature. The audio system will mute when this feature is activated.
- Low fuel level warning. When the fuel level is low, warnings will be shown in the display followed by an audible tone.
- Driver assist features, for example navigation and parking aids. These systems turn on automatically whenever you switch the ignition on.

Optional Settings

You can configure MyKey settings when you first create a MyKey. You can also change the settings afterward with an admin key.

The following settings can be configured using an admin key:

- Various vehicle speed limits can be set. Warnings will be shown in the display followed by an audible tone when your vehicle reaches the set speed. You cannot override the set speed by fully depressing the accelerator pedal.
- Various vehicle speed reminders can be set. Warnings will be shown in the display followed by an audible tone when the set vehicle speed is exceeded.
- Audio system maximum volume of 45%. A message will be shown in the display when you attempt to exceed the limited volume. Automatic volume control will be disabled.
- Always on setting. When this is selected you will not be able to disable emergency assistance or the do not disturb feature.

Vehicles with Keyless Entry

If a MyKey and an admin key are present, your vehicle will recognize the admin key only.

CREATING A MYKEY

Use the information display to create a MyKey:

1. Insert the key you want to program into the ignition. If your vehicle is equipped with a push-button start, place the intelligent access key fob into the backup slot. The location of your backup slot is in another chapter. See **Starting and Stopping the Engine** (page 110).

2. Switch the ignition on.
3. Access the main menu on the information display controls, and select **Settings** then **MyKey** by pressing **OK** or the **>** button.
4. Press **OK** or the **>** button to select **Create MyKey**.
5. When prompted, hold the **OK** button until you see a message informing you to label this key as a MyKey. The key will be restricted at the next start.

MyKey is successfully created. Make sure you label it so you can distinguish it from the admin keys.

You can also program configurable settings for the key(s). See **Programming/Changing Configurable Settings**.

Programming/Changing Configurable Settings

Use the information display to access your configurable MyKey settings.

1. Switch the ignition on using an admin key or fob.
2. Access the main menu on the information display controls, and select **Settings**, then **MyKey** by pressing **OK** or **>** button.
3. Use the arrow buttons to get to a feature.
4. Press **OK** or **>** to make a selection.

Note: *You can clear or change your MyKey settings at any time during the same key cycle as you created the MyKey. Once you have switched the vehicle off, however, you will need an admin key to change or clear your MyKey settings.*

CLEARING ALL MYKEYS

You can clear or change your MyKey settings using the information display control on the steering wheel. See **Information Displays** (page 75).

Switch the ignition on using an admin key or fob.

To clear all MyKeys of all MyKey settings, press the left arrow button to access the main menu and scroll to:

Message	Action and Description
Settings	Press the OK button.
MyKey	Press the OK button.
Clear MyKey	Press and hold the OK button until the following message displays.
All MyKeys Cleared	

Note: *When you clear your MyKeys, you remove all restrictions and return all MyKeys to their original admin key status.*

CHECKING MYKEY SYSTEM STATUS

You can find information about your programmed MyKeys by using the information display.

MyKey Distance

Tracks the distance when drivers use a MyKey. The only way to delete the accumulated distance is by using an admin key to clear all MyKeys. If the distance does not accumulate as expected, then the intended user is not using the MyKey, or an admin key user recently cleared and then recreated a MyKey.

Number of MyKeys

Indicates the number of MyKeys programmed to your vehicle. Use this feature to detect how many MyKeys you have for your vehicle and determine when all MyKeys have been deleted.

Number of Admin Keys

Indicates how many admin keys are programmed to your vehicle. Use this feature to determine how many admin keys you have for your vehicle, and detect if an additional MyKey has been programmed.

USING MYKEY WITH REMOTE START SYSTEMS

MyKey is not compatible with non Ford-approved, aftermarket remote start systems. If you choose to install a remote start system, see an authorized dealer for a Ford-approved remote start system.

MYKEY TROUBLESHOOTING

Condition	Potential Causes
I cannot create a MyKey.	The key used to start the vehicle is not an admin key. The key used to start the vehicle is the only key. There always has to be at least one admin key. Vehicles with keyless start: The keyless start transmitter is not placed in the backup slot, located in the center console. See General Information (page 110). The passive anti-theft system is disabled or in unlimited mode.
I cannot program the configurable settings.	The key used to start the vehicle is not an admin key. There are no MyKeys programmed to your vehicle. See Creating a MyKey (page 34).
I cannot clear the MyKeys.	The key used to start the vehicle is not an admin key. There are no MyKeys programmed to your vehicle. See Creating a MyKey (page 34).
I lost the only admin key.	Purchase a new key from an authorized dealer.

MyKey™

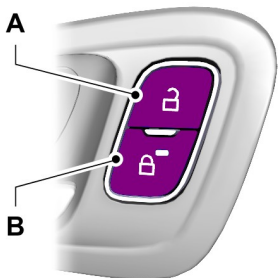
Condition	Potential Causes
I lost a key.	Program a spare key. See Passive Anti-Theft System (page 44).
The MyKey distance does not accumulate.	The MyKey is not being used by the intended user. The MyKeys have been cleared. See Clearing All MyKeys (page 35).
No MyKey functions with the keyless entry transmitter.	An admin transmitter is present at vehicle start. No MyKeys are created. See Creating a MyKey (page 34).

Locks

LOCKING AND UNLOCKING

Power Door Locks

The power door lock control is on the driver door.



E184784

A Unlock.

B Lock.

Remote Control

You can use the remote control at any time while your vehicle is switched off.

Unlocking the Doors



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

Note: You can unlock the driver's door with the key. Use the key when the remote control is not functioning.

Note: When you lock your vehicle for several weeks, the remote control will be switched off. Your vehicle must be unlocked and started. Unlocking and starting your vehicle once will enable the remote control.

Reprogramming the Unlocking Function

You can reprogram the unlocking function so that only the driver door is unlocked. See **Remote Control** (page 30).

Locking the Doors



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

Note: If any door or the luggage compartment is not closed, or if the hood is not closed on vehicles that have an anti-theft alarm or remote start, the direction indicators will not flash.

Double Locking the Doors

WARNING



Do not use double locking when passengers or animals are inside your vehicle. You will not be able to unlock the doors from the inside if you have double locked them.

Double locking is a theft protection feature that prevents someone from opening the doors from the inside. You can only double lock the doors if they are all closed.



Press the button twice within three seconds.

Automatic Relocking

The doors will automatically 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 will return to their previous state.

Locking and Unlocking the Doors from Inside

Use the lock and unlock buttons located on the driver door.

Locking and Unlocking the Doors with the Key

Locking with the Key

Turn the top of the key toward the front of your vehicle.

Locks

Double Locking with the Key

Turn the key to the lock position twice within three seconds.

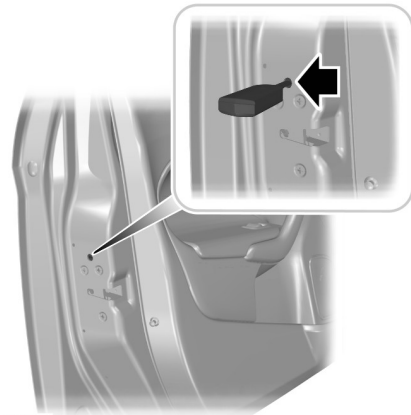
Unlocking with the Key

Turn the top of the key toward the rear of your vehicle.

Note: *If the child safety locks are on and you pull the interior handle, you will only turn off the emergency locking, not the child safety lock. You can only open the doors using the external door handle.*

Locking and Unlocking the Doors Individually with the Key

Locking



E112203

If the central locking function fails to operate, lock the doors individually using the key in the position shown.

Left-Hand Side

Turn clockwise to lock.

Right-Hand Side

Turn counterclockwise to lock.

Unlocking

If the central locking function fails to operate, unlock the driver door and then unlock all other doors individually by pulling the interior door handles.

Note: *If the doors have been unlocked using this method, the doors must be locked individually until the central locking function has been repaired.*

Opening the Liftgate

With the Remote Control



Press the button twice within three seconds.

From Outside Your Vehicle



E144402

Press the release button above the license plate to unlatch the liftgate. Your vehicle must be unlocked or have an intelligent access transmitter within 3 ft (1 m) of the liftgate.

Locks

MANUAL LIFTGATE

WARNINGS



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 safety belts. Make sure everyone in your vehicle is in a seat and properly using a safety belt. Failure to follow this warning could result in serious personal injury or death.



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.

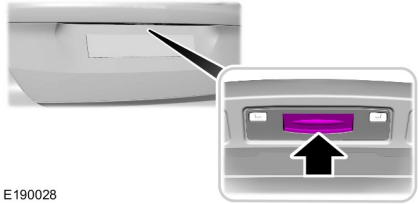
Note: Be careful when opening or closing the liftgate in a garage or other enclosed area to avoid damaging the liftgate.

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

Note: Do not leave the liftgate open while driving. This could damage the liftgate and its components.

Opening the Liftgate

Manually



E190028

Press the release button above the license plate to unlatch the liftgate.

With the Remote Control



Press the button twice within three seconds.

Closing the Liftgate



E155976

A handle is located inside the liftgate to help with closing.

Locks

KEYLESS ENTRY

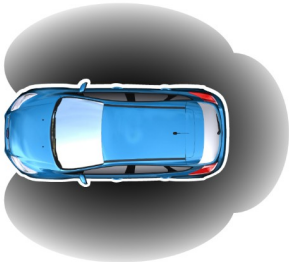
General Information

The system will not function if:

- Your vehicle battery has no charge.
- The passive key battery has no charge.
- The passive key frequencies are jammed.

Note: *If the system does not function, you will need to use the key blade to lock and unlock your vehicle.*

The system allows you to operate your vehicle without the use of a key or remote control.



E78276

Passive locking and unlocking requires a valid passive key to be located within one of the three external detection ranges. These are located approximately five feet (1.5 meters) from the front door handles and the liftgate.

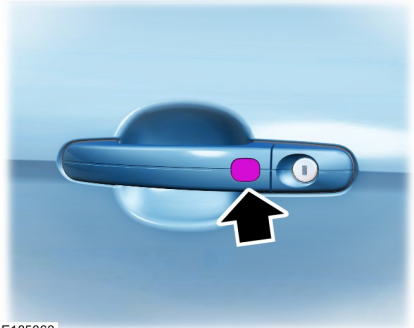
Note: *The system may not function if the passive key is close to metal objects or electronic devices, for example keys or a cell phone.*

Passive Key

Your vehicle can be locked and unlocked using the passive key. You can also use the passive key as a remote control to lock and unlock your vehicle. See **Locking and Unlocking** (page 38).

Locking Your Vehicle

Note: *Your vehicle does not automatically lock. If you do not touch a locking sensor your vehicle will remain unlocked.*



E185863

Locking buttons are located on each of the front doors.

For central locking and to arm the alarm, press a locking button once.

For double locking and to arm the alarm, press a locking button twice within three seconds.

Note: *When locking your vehicle, do not grip the door handle.*

Note: *Keep the door handle surface clean to make sure the system operates correctly.*

Note: *Your vehicle will remain locked for approximately one second. When the delay period is over, you can open the doors again, provided the passive key is within the respective detection range.*

Two short flashes of the direction indicators confirms that all the doors and the liftgate have been locked and that the alarm has been armed.

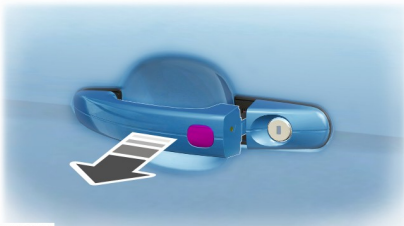
Locks

Liftgate

The liftgate cannot be closed and will reopen if the passive key is located inside the luggage compartment with the doors locked.

Note: *If a second valid passive key is located within the liftgate detection range, the liftgate can be closed.*

Unlocking Your Vehicle



E 186297

Pull an exterior door handle to unlock and open the door. Do not touch the lock sensor on the front of the handle.

One long flash of the direction indicators confirms that all the doors and the liftgate have been unlocked and that the alarm has been disarmed.

Note: *A valid passive key must be located within the detection range of that door.*

Unlocking Only the Driver's Door

You can program the system so that only the driver door is unlocked. See **Locking and Unlocking** (page 38).

If the unlocking function is reprogrammed so that only the driver door is unlocked the following will occur:

- If the driver's door is the first door which is opened, the other doors will remain locked. All the other doors can be unlocked from inside your vehicle by pressing the unlock button located on the driver's and front passenger's door. Doors can be unlocked individually by pulling the interior door handles on those doors.
- If the front passenger's door is the first door which is opened, all the doors and the liftgate will be unlocked.

Disabled Keys

Any keys left inside your vehicle interior when it is locked will be disabled.

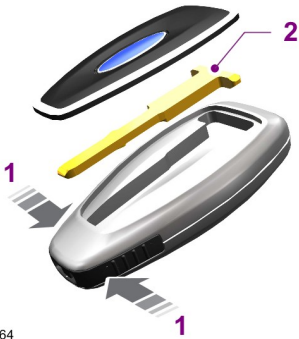
You cannot use a disabled key to switch the ignition on or start the engine.

You must enable all passive keys again in order to use them. To enable all your passive keys, unlock your vehicle using a passive key that has not been disabled or the remote control unlocking function. All passive keys will then be enabled if you switch the ignition on or you start your vehicle with a valid key.

Note: *You can still start your vehicle when the passive key is in the back-up position. See **Keyless Starting** (page 110).*

Locks

Locking and Unlocking the Doors with the Key Blade



E87964

1. Carefully remove the cover.
2. Remove the key blade and insert it into the lock.

Note: Only the driver's door handle has a lock cylinder.

PASSIVE ANTI-THEFT SYSTEM

Principle of Operation

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

Note: *Do not leave correctly coded keys in the vehicle. Always take your keys and lock all doors when leaving the vehicle.*

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 Engine Immobilizer

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

Disarming the Engine Immobilizer

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

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

ANTI-THEFT ALARM - VEHICLES WITH: PERIMETER ALARM

The perimeter alarm is a deterrent against unauthorized access to your vehicle through the doors and the hood. It also protects the audio unit.

If the alarm is triggered, the alarm horn will sound and the hazard warning flasher will flash.

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

Arming the Alarm

To arm the alarm, lock your vehicle. See **Locks** (page 38).

Disarming the Alarm

Vehicles Without Keyless Entry

Disarm and silence the alarm by unlocking the doors with the key and switching your vehicle on with a correctly coded key or unlocking the doors with the remote control.

Vehicles With Keyless Entry

Note: *A valid passive key must be located within the detection range of that door for keyless entry. See **Keyless Entry** (page 41).*

Disarm and silence the alarm by unlocking the doors and switching your vehicle on or unlocking the doors with the remote control.

ANTI-THEFT ALARM - VEHICLES WITH: INTERIOR SENSOR

Alarm System

WARNING

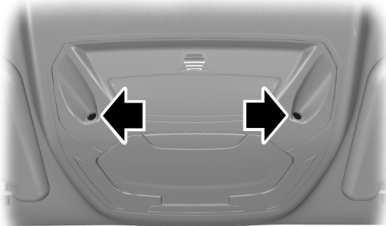


Do not arm the alarm with full guard if passengers, animals or other moving objects are inside your vehicle.

Perimeter Alarm

The perimeter alarm is a deterrent against unauthorized access to your vehicle through the doors and the hood. It also protects the audio unit.

Interior Sensors



E131656

Note: Do not cover up the interior lamp unit sensors.

The sensors act as a deterrent against unauthorized intrusion by sensing any movement inside your vehicle.

Triggering the Alarm

Once armed, the alarm is triggered in any of the following ways:

- If someone opens a door, the liftgate or the hood without a valid key or remote control.
- If someone removes the audio unit or navigation system.
- If you switch your vehicle on without a correctly coded key.
- If the interior sensors detect movement within your vehicle.

If the alarm is triggered, the alarm horn will sound for 30 seconds and the hazard warning flasher will flash for five minutes.

Any further attempts to perform one of the above will trigger the alarm again.

Full and Reduced Guard

Full Guard

Full guard is the standard setting.

In full guard, the interior sensors are on when you arm the alarm.

Reduced Guard

In reduced guard, the interior sensors are off when you arm the alarm.

Selecting Full or Reduced Guard

You can select full or reduced guard using the information display. See **General Information** (page 75).

Ask on Exit (If Equipped)

You can set the information display to ask you each time which level of guard you wish to set.

Security

Using the information display controls, scroll to:

Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Alarm	Press the OK button.
Ask on exit	Press the OK button.
Reduced guard	Appears in the information display each time you switch your vehicle off. If you wish to arm the alarm with reduced guard, press the OK button when this message appears. If you wish to arm the alarm with full guard, leave your vehicle without pressing the OK button.

Note: Selecting reduced guard does not set the alarm permanently to reduced guard. It sets it to reduced guard only for the current locking cycle.

Arming the Alarm

To arm the alarm, lock your vehicle. See **Locks** (page 38).

Disarming the Alarm

Vehicles Without Keyless Entry

Disarm and silence the alarm by unlocking the doors with the key and switching your vehicle on with a correctly coded key or unlocking the doors with the remote control.

Vehicles with Keyless Entry

Note: A valid passive key must be located within the detection range of that door for keyless entry. See **Keyless Entry** (page 41).

Disarm and silence the alarm by unlocking the doors and switching your vehicle on or unlocking the doors with the remote control.

ANTI-THEFT ALARM - VEHICLES WITH: INTEGRAL BATTERY

Alarm System

WARNING



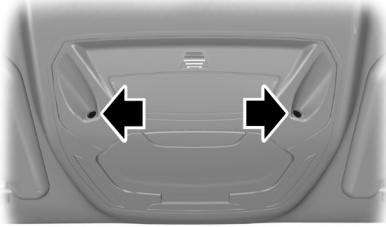
Do not arm the alarm with full guard if passengers, animals or other moving objects are inside your vehicle.

Perimeter Alarm

The perimeter alarm is a deterrent against unauthorized access to your vehicle through the doors and the hood.

Security

Interior Sensors



E 131656

Note: Do not cover up the interior lamp unit sensors.

The sensors act as a deterrent against unauthorized access by sensing any movement within your vehicle.

Battery Back-up Sounder

The battery back-up sounder is an additional alarm system, which sounds a siren if your vehicle battery or the battery back-up sounder is disconnected. When you lock your vehicle the system is armed. The sounder has its own battery and will sound an alarm siren even if someone disconnects your vehicle battery or the battery back-up sounder itself.

Triggering the Alarm

Once armed, the alarm is triggered in any of the following ways:

- If someone opens a door, the liftgate or the hood without a valid key or remote control.
- If someone removes the audio or navigation system.

- If you switch your vehicle on without a correctly coded key.
- If the interior sensors detect movement within your vehicle.
- On vehicles with a battery back-up sounder, if someone disconnects your vehicle battery or the battery back-up sounder itself.

If the alarm is triggered, the alarm horn will sound for 30 seconds and the hazard warning flasher will flash for five minutes.

Any further attempts to perform one of the above sounds the alarm again.

Full and Reduced Guard

Full Guard

Full guard is the standard setting.

In full guard, the interior sensors are on when you arm the alarm.

Reduced Guard

In reduced guard, the interior sensors are off when you arm the alarm.

Selecting Full or Reduced Guard

You can select full or reduced guard using the information display. See **General Information** (page 75).

Ask on Exit (If Equipped)

You can set the information display to ask you each time which level of guard you wish to set.

Security

Using the information display controls, scroll to:

Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Alarm	Press the OK button.
Ask on exit	Press the OK button.
Reduced	Appears in the information display each time you switch your vehicle off. If you wish to arm the alarm with reduced guard, press the OK button when this message appears. If you wish to arm the alarm with full guard, leave your vehicle without pressing the OK button.

Note: Selecting *reduced guard* does not set the alarm permanently to reduced guard. It sets it to reduced guard only for the current locking cycle.

Arming the Alarm

To arm the alarm, lock your vehicle. See **Locks** (page 38).

Disarming the Alarm

Vehicles Without Keyless Entry

Perimeter Alarm

Disarm and silence the alarm by unlocking the doors with the key and switching your vehicle on with a correctly coded key or unlocking the doors with the remote control.

Category One Alarm

Disarm and silence the alarm by unlocking the doors with the key and switching your vehicle on with a correctly coded key within 12 seconds or unlocking the doors with the remote control.

Vehicles with Keyless Entry

Note: A valid passive key must be located within the detection range of that door for keyless entry. See **Keyless Entry** (page 41).

Perimeter Alarm

Disarm and silence the alarm by unlocking the doors and switching your vehicle on or unlocking the doors with the remote control.

Category One Alarm

Disarm and silence the alarm by unlocking the doors and switching your vehicle on within 12 seconds or unlocking the doors or the liftgate with the remote control.

Door Edge Protection

PRINCIPLE OF OPERATION

The front and rear doors have a retractable plastic flap that will move into position when you open a door. The flap will protect the door edge from damage that may be caused by contact with other objects.

If the door edge protector does not move freely or becomes stuck, do not attempt to move it. Have your vehicle checked by an authorized dealer.


Note: *The protective flap may be moved gently out of position when the door is open to allow access for cleaning. Make sure that the flap is repositioned correctly otherwise the flap may not retract when you attempt to close the door.*

Note: *Keep the door edges free from snow, ice and large accumulations of dirt.*

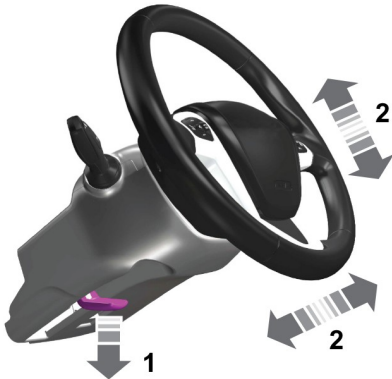
Steering Wheel

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 99).



E95178

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



E95179

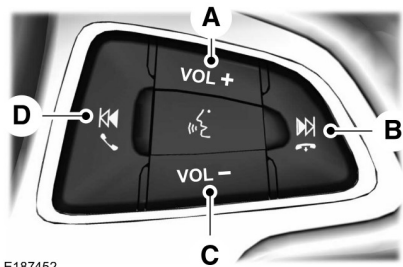
3. Lock the steering column.

AUDIO CONTROL

Select the required source on the audio unit.

You can operate the following functions with the control:

Type One

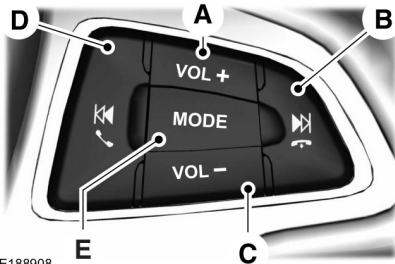


E187452

- A Volume up.
- B Seek up or next.
- C Volume down.
- D Seek down or previous.

Steering Wheel

Type Two



E188908

- A Volume up.
- B Seek up or next.
- C Volume down.
- D Seek down or previous.
- E Press to select source.

Seek, Next or Previous

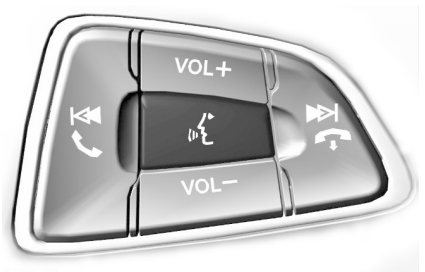
Press the seek button to:

- Tune the radio to the next or previous stored preset.
- Play the next or the previous track.

Press and hold the seek button to:

- Tune the radio to the next station up or down the frequency band.
- Seek through a track.

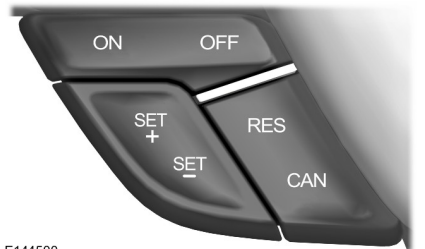
VOICE CONTROL



E186744

Press the button to select or deselect voice control. See **Using Voice Recognition** (page 275).

CRUISE CONTROL

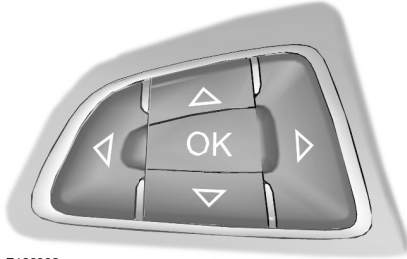


E144500

See **Principle of Operation** (page 148).

Steering Wheel

INFORMATION DISPLAY CONTROL



E188902

See **General Information** (page 75).

Under high interior temperature conditions, there may be no perceived warming. This is normal and is not a sign of a system fault.

HEATED STEERING WHEEL



E189138

Press the button to switch the system on. The LED on the switch illuminates when the system is on.

Note: *The system only operates when the engine is running.*

Press the button to switch the system off.

The system automatically controls the temperature to avoid overheating.

Wipers and Washers

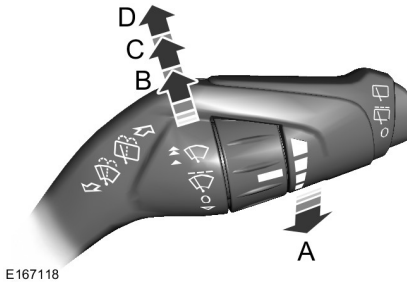
WINDSHIELD WIPERS

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

Note: Make sure you switch the windshield wipers and vehicle power off before using an automatic car wash.

Note: If streaks or smears appear on the windshield, clean the windshield and the wiper blades. See **Checking the Wiper Blades** (page 214). If that does not resolve the issue, install new wiper blades. See **Changing the Wiper Blades** (page 215).

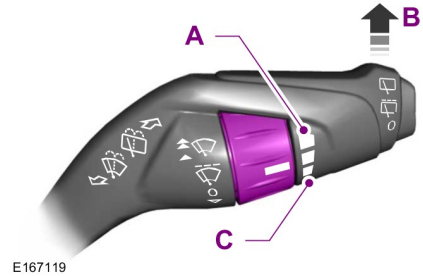
Note: Do not operate the wipers on a dry windshield. This may scratch the glass, damage the wiper blades or cause the wiper motor to burn out. Always use the windshield washers before wiping a dry windshield.



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

Note: Move to position **O** marked on the wiper lever to switch off.

Intermittent Wipe



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

Push the wiper lever up to switch the wipers on, and then use the rotary control to adjust the intermittent wipe interval.

Speed Dependent Wipers (If Equipped)

When your vehicle speed increases, the interval between wipes decreases.

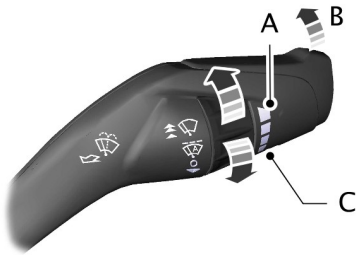
AUTOWIPERS

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

Note: Make sure you switch the windshield wipers and ignition off before using an automatic car wash.

Autowipers uses a rain sensor located in the area around the interior mirror. The rain sensor monitors the amount of moisture on the windshield and automatically turns the wipers on. It will adjust the wiper speed by the amount of moisture that the sensor detects on the windshield.

Wipers and Washers



E169315

- A Highest sensitivity.
- B On.
- C Lowest sensitivity.

Switch the autowipers on by moving the wiper lever up to the first position.

Switch the autowipers off by moving the wiper lever down.

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

The autowipers feature is active and ready when the wiper lever is in the first position and selected in the information display. You can change the autowipers feature to intermittent wipers through the information display. See **General Information** (page 75).

Note: Check your wiper function in the information display. See **General Information** (page 75). The autowipers feature functions only when you select the menu choice in the information display and you move the wiper lever up to the first position. The autowipers feature then remains on in the information display menu until you change it to intermittent wipe.

Note: If you switch autolamps on in conjunction with autowipers, your low beam headlamps turn on automatically when the rain sensor activates the windshield wipers continuously. See **Autolamps** (page 57).

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.

Wet or winter driving conditions with ice, snow or salty road mist can cause inconsistent and unexpected wiping or smearing. In these conditions, you can do the following to help keep your windshield clear:

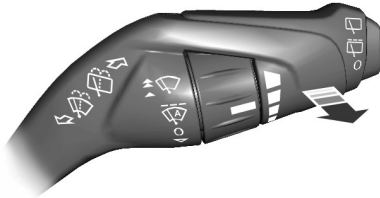
- Lower the sensitivity of the autowipers to reduce the amount of smearing.
- Switch to normal or high-speed wipe by moving the wiper lever up.
- Switch the autowipers off and switch intermittent mode on through the information display. See **General Information** (page 75).
- Switch the autowipers off by moving the wiper lever down.

Note: Clean the windshield and wiper blades if they begin to leave streaks or smears. If that does not resolve the issue, install new wiper blades. See **Changing the Wiper Blades** (page 215).

WINDSHIELD WASHERS

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

Wipers and Washers



E168042

To operate the washers and spray the windshield, pull the lever toward you. When you release the lever, the wipers will operate for a short time.

REAR WINDOW WIPER AND WASHERS

Rear Window Wiper

Note: Make sure you switch the rear window wiper and ignition off before using an automatic car wash.



E171615

- A Intermittent wipe.
- B Low speed wipe.
- C Off.

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

When you switch on the front wipers and move the gearshift lever to reverse (R), rear intermittent wipe automatically turns on.

Rear Window Washer



E167407

Push the lever away from you to operate the rear window washer. When you release the lever, wiping continues for a short period of time.

HEADLAMP WASHERS

When the headlamps are on, the headlamp washers will operate with the windshield washers.

Note: The headlamp washers will not operate every time you use the windshield washers. This is to prevent the washer fluid reservoir from emptying quickly.

Lighting

GENERAL INFORMATION

Condensation in Lamp Assemblies

Exterior 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:

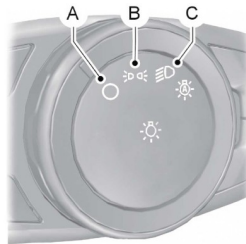
- The presence of a fine mist (no streaks, drip marks or large droplets).
- A fine mist covers less than 50% of the lens.

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



E142449

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

High Beams



E162679

Push the lever forward to switch the high beams on.

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

Lighting

Headlamp Flasher



E162680

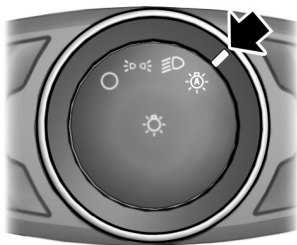
Pull the lever toward you slightly and release it to flash the headlamps.

AUTOLAMPS

WARNING



The autolamps switch position may not activate the headlamps in all low visibility conditions, such as daytime fog. Always ensure that your headlamps are switched to auto or on, as appropriate, during all low visibility conditions. Failure to do so may result in a collision.



E142451

When the lighting control is in the autolamps position, the headlamps automatically turn on in low light situations or when the wipers activate.

If equipped, the following also activate when the lighting control is in the autolamps position and you switch them on in the information display:

- Configurable daytime running lamps.
- Automatic high beam control.
- Adaptive headlamp control.

The headlamps will 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 will remain on. See **Information Displays** (page 75).

Note: *If you have autolamps switched on you can only switch the high beam headlamps on once the system has turned the headlamps on.*

Windshield Wiper Activated Headlamps

When the headlamp switch is in the Autolamps position, the windshield wiper activated exterior lamps will turn on within 10 seconds when you switch the windshield wipers on. They turn off approximately 60 seconds after you switch the windshield wipers off.

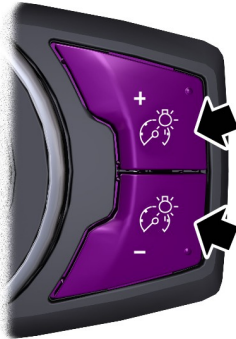
This feature does not turn on the exterior lamps:

- During a single wipe.
- While the wipers are on to clear washer fluid during a wash condition.
- If the wipers are in automatic or intermittent modes.

Note: *If you have autolamps and autowipers switched on the low beam headlamps will turn on automatically when the windshield wipers operate continuously.*

INSTRUMENT LIGHTING DIMMER

Note: If the battery is disconnected, discharged, or a new battery is installed, the dimmer will set the illuminated components to the maximum setting automatically.



E161902


Press repeatedly or press and hold until the desired level is reached.

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 toward you again or switching the ignition on.

DAYTIME RUNNING LAMPS

WARNING






 Always remember to switch your headlamps on in low light situations or during inclement weather. The system does not activate the tail lamps and may not provide adequate lighting during these conditions. Failure to activate your headlamps under these conditions may result in a collision.

To switch the system on:

1. Switch the ignition on.
2. Switch the lighting control to the off or autolamp position.

AUTOMATIC HIGH BEAM CONTROL

WARNINGS

-  The system does not relieve you of your responsibility to drive with due care and attention. A manual override may be necessary if the system fails to switch the high beam on or off.
-  A manual override may be required when approaching other road users such as cyclists.
-  Do not use the system in fog.
-  In cold and severe weather conditions the system may not function. A manual override may be necessary in these cases.
-  The system may not deactivate the high beam if the lights of oncoming vehicles are hidden by obstacles (for example guard rails).

Lighting

WARNINGS



Check and replace wiper blades regularly to ensure the camera sensor has a clear view through the windscreen. Replacement wiper blades must be the correct length.

Note: *Keep the windscreen free from obstructions such as bird droppings, insects and snow or ice.*

Note: *Reflective road signs may be detected as oncoming traffic and the headlamps will be switched to low beam.*

Note: *Always fit Ford Original Parts when replacing headlamp bulbs. Other bulbs may reduce system performance.*

The system will automatically switch on high beams if it is dark enough and no other traffic is present. If it detects an approaching vehicle's headlamps or tail lamps, or street lighting ahead the system will switch off high beam before it can distract other road users. Low beam will remain on.

A camera sensor is centrally mounted behind the windshield of your vehicle. This monitors conditions continuously to decide when to switch the high beams on and off.

Once the system is active the high beam will switch on if:

- It is dark enough to require the use of high beams and
- there is no traffic or street lighting ahead and
- vehicle speed is greater than 25 mph (40 km/h).

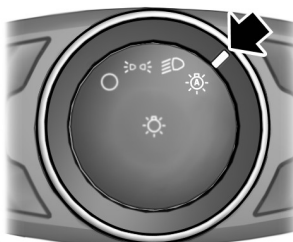
The high beam will switch off if:

- The ambient light is high enough that high beam is not required.
- An approaching vehicle's headlamps or tail lamps are detected.
- Street lighting is detected.

- Vehicle speed falls below 16 mph (25 km/h).
- The camera sensor is too hot or becomes blocked.

Activating the System

Switch the system on using the information display. See **Information Displays** (page 75). Turn the switch to the autolamps position. See **Autolamps** (page 57).



E142451

The indicator will illuminate to confirm when the system is ready to assist.

Manually Overriding the System



E169254

Push or pull the lever to switch between high and low beam.

Note: *This is a temporary override and the system will return to automatic operation after a short period.*

Lighting

To permanently switch the system off, use the information display menu or turn the lighting control switch to the headlamps position.

FRONT FOG LAMPS



E132709

Press the control to switch the fog lamps on or off.

You can switch the fog lamps on when the lighting control is in any position except off.

Note: Only use fog lamps during reduced visibility, for example, fog, snow or heavy rain.

Note: If you switch autolamps on, you can only switch the fog lamps on once autolamps has turned the headlamps on.

REAR FOG LAMPS



E132710

Press the control to switch the fog lamps on or off.

You can only switch the rear fog lamps on when either the front fog lamps or low beam headlamps are on.

Note: Only use the rear fog lamps when visibility is less than 164 feet (50 meters).

Note: Do not use the rear fog lamps when it is raining or snowing.

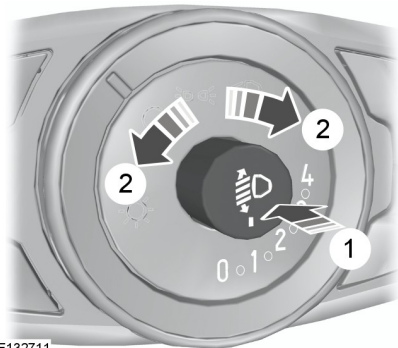
Note: If you switch autolamps on, you can only switch the fog lamps on once autolamps has turned the headlamps on.

HEADLAMP LEVELING

Adjust the level of the headlamp beams according to your vehicle load.

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

To adjust the level of the headlamp beams:



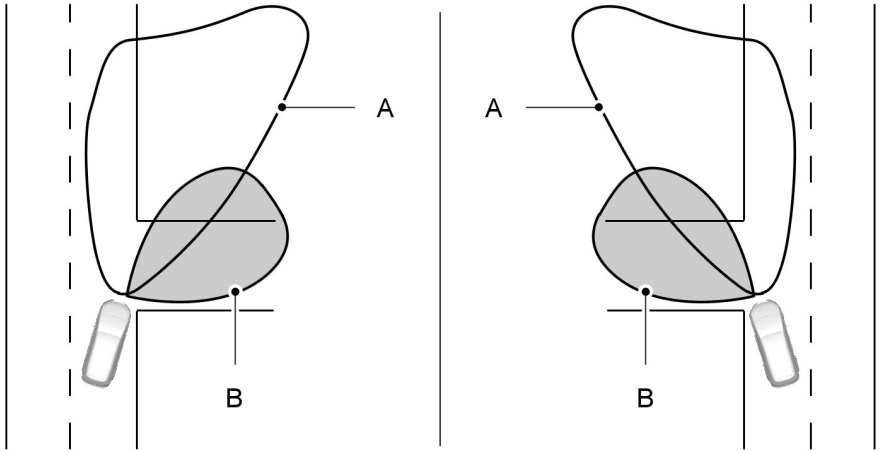
E132711

1. Press to release the control.
2. Rotate the control to the required setting.

Lighting

3. Press to close the control.

CORNERING LAMPS



E72898

- A Headlamp beam
- B Cornering lamp beam

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

DIRECTION INDICATORS



E162681

Lighting

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

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

INTERIOR LAMPS

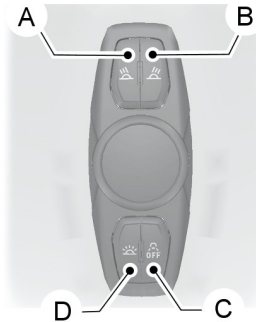
The lamps turn on when:

- You open any door.
- You press a remote control button.
- You press the buttons on the map lamps.

Front Interior Lamps (If Equipped)

Note: Press the door function switch to switch off interior lights when you open any door. The indicator lamp illuminates amber when the door function is off. When the door function is off and you open a door, the courtesy and door lamps stay off. Press the switch again to switch the door function back on. The indicator lamp illuminates white when the door function is on. When the door function is on and you open a door, the courtesy and door lamps switch on.

Center Mounted Lamp



E139420

- A Left-hand side map lamp.
- B Right-hand side map lamp.
- C Door function switch.
- D All lamps on switch.

Side Mounted Lamp

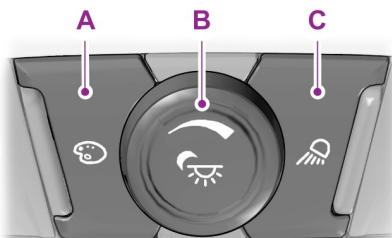


E139419

- A Map lamp.
- B Door function switch.
- C All lamps on switch.

AMBIENT LIGHTING

The ambient lighting system illuminates the interior with a choice of several colors. The ambient lighting control is located in the overhead console.



E142456

- A Color palette
- B Control knob
- C Search mode

Rotate B past the first detent to switch on and adjust to the desired brightness.

Press A to cycle through the color choices.

Press C to switch on all interior lamps and the ambient lighting. Press C again to switch off the interior lamps and return the ambient lighting to the previously selected color.

The ambient lighting will switch on when the following conditions have been met:

- you switch the ignition on
- you switch the headlamps on


The ambient lighting will remain on until you switch the ignition off and one of the following conditions have been met:


- you lock your vehicle
- the accessory delay timer expires.

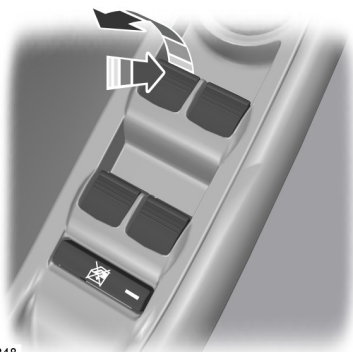
Windows and Mirrors

POWER WINDOWS

WARNINGS

 Do not leave children unattended in your vehicle and do not let them play with the power windows. They may seriously injure themselves.

 When closing the power windows, you should verify they are free of obstructions and make sure that children and pets are not in the proximity of the window openings.



E70848

Press the control to open the window.

Lift the control to close the window.

Note: You may hear a pulsing noise when just one of the windows is open. Lower the opposite window slightly to reduce this noise.

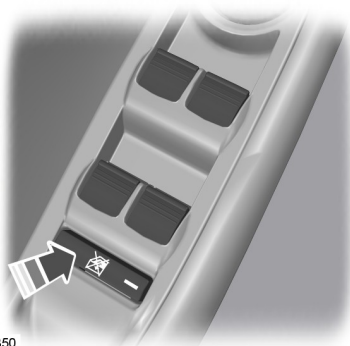
One-Touch Down (If Equipped)

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

One-Touch Up (If Equipped)

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

Window Lock



E70850


Press the control to lock or unlock the rear window controls. It lights when the rear window controls lock.

Bounce-Back (If Equipped)

The window stops automatically while closing. It reverses some distance if there is an obstacle in the way.

Overriding the Bounce-Back Feature

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.

Proceed as follows to override this protection feature when there is a resistance, for example in winter:

1. Close the window twice until it reaches the point of resistance and let it reverse.

Windows and Mirrors

2. Close the window a third time to the point of resistance. You disabled the bounce-back feature and you can now close the window manually. The window travels past the point of resistance and you can close it fully.

Contact an authorized dealer as soon as possible if the window does not close after the third attempt.

Resetting the Bounce-Back Feature

WARNING



The bounce-back feature remains turned off until you reset the memory.

If you have disconnected the battery, you must reset the bounce-back memory separately for each window.

1. Lift and hold the control until the window is fully closed.
2. Release the control.
3. Lift and hold the control again for a few seconds.
4. Release the control.
5. Lift and hold the control again for a few seconds.
6. Release the control.
7. Press and hold the control until the window is fully open.
8. Lift and hold the control until the window is fully closed.
9. Release the control.
10. Open the window and then try to close it automatically.
11. Repeat the procedure if the window does not close automatically.

Accessory Delay (If Equipped)

You can use the window controls for several minutes after switching off the ignition or until opening either front door.

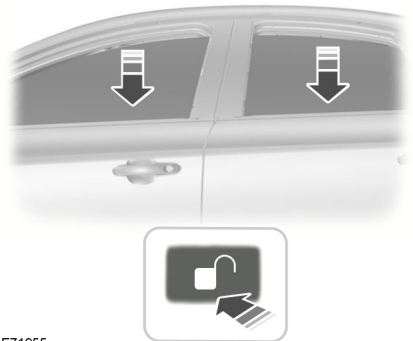
GLOBAL OPENING AND CLOSING

You can also operate the power windows with the ignition off using the global opening and global closing function.

Note: *Global opening will only operate for a short period of time after you have unlocked your vehicle using the remote control.*

Note: *Global closing will only operate if you have set the memory correctly for each window. See **Power Windows** (page 64).*

Global Opening (If Equipped)



E71955

To open all the windows:

1. Press and release the remote control unlock button.
2. Press and hold the remote control unlock button for at least three seconds.


Windows and Mirrors

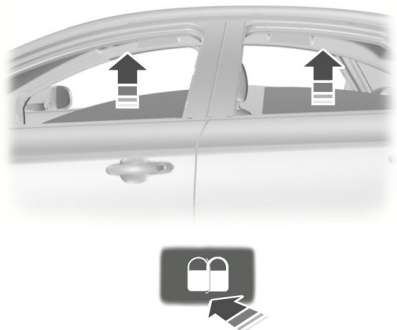
Press the lock or unlock button to stop the opening function.

Global Closing (If Equipped)

Vehicles Without Keyless Entry

WARNING

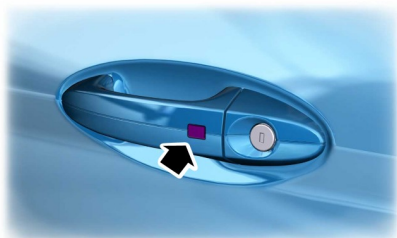
 Take care when using global closing. In an emergency, press the lock or unlock button immediately to stop.



E71956


To close all the windows, press and hold the remote control lock button for at least three seconds. Press the lock or unlock button to stop the closing function. The bounce-back function is also on during global closing.

Vehicles With Keyless Entry



E87384

WARNING

 Take care when using global closing. In an emergency, touch a door handle lock sensor to stop.


Note: *Global closing can be switched on using the driver's door handle. Global opening and closing can also be switched on using the buttons on the passive key.*

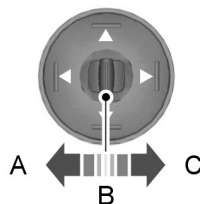
To close all the windows, press and hold the driver's door handle for at least three seconds. The bounce-back function is also on during global closing.

EXTERIOR MIRRORS

Power Exterior Mirrors

WARNING

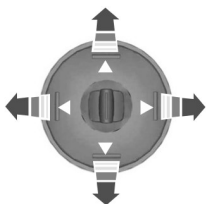
 Do not adjust the mirrors when your vehicle is moving.



E70846

- A Left-hand mirror
- B Off
- C Right-hand mirror

Windows and Mirrors



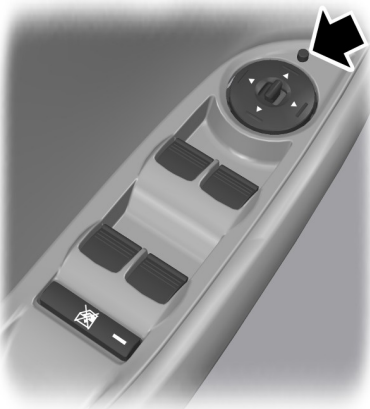
E70847

Press the arrows to adjust the mirror.

Fold-Away Exterior Mirrors

Push the mirror toward the door window glass. Make sure that you fully engage the mirror in its support when returning it to its original position.

Power-Folding Mirrors



E72623

When you switch the ignition on, you can use the power-folding feature. Press the control to fold or unfold the mirrors.

Note: You can operate the mirrors (mirror tilting and folding) for several minutes after switching off the ignition. When you open a door, the power-folding feature automatically turns off.

Press the button again to stop and reverse the direction of movement.

Note: Continuous folding and unfolding of the mirrors will cause them to overheat and shut down for a short time. This is to avoid permanent damage.

Heated Exterior Mirrors (If Equipped)

See **Heated Windows and Mirrors** (page 94).

Blind Spot Monitor (If Equipped)

See **Blind Spot Information System** (page 161).

INTERIOR MIRROR

WARNING



Do not adjust the mirror when your vehicle is moving.

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

You can adjust the interior mirror to your preference. Some mirrors also have a second pivot point. This lets you move the mirror head up or down and from side to side.

Pull the tab below the mirror toward you to reduce glare at night.

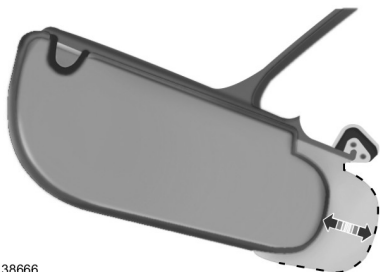
Auto-Dimming Mirror (If Equipped)

Note: Do not block the sensors on the front and back of the mirror. Mirror performance may be affected. A rear center passenger or raised rear center head restraint may also block light from reaching the sensor.

Windows and Mirrors

The mirror will dim automatically to reduce glare when bright lights are detected from behind your vehicle. It will automatically return to normal reflection when you select reverse gear to make sure you have a clear view when backing up.

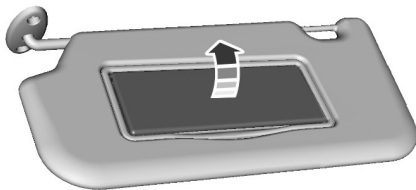
SUN VISORS



E138666

Rotate the sun visor toward the side window and extend it rearward for extra shade.

Illuminated Vanity Mirror (If Equipped)





E162197

Lift the cover to switch the lamp on.

MOONROOF

WARNINGS

 Do not let children play with the moonroof or leave them unattended in the vehicle. They may seriously hurt themselves.

 When closing the moonroof, you should verify that it is free of obstructions and make sure that children and pets are not in the proximity of the roof opening.

The moonroof control is on the overhead console.

The moonroof has a one-touch open and close feature. To stop its movement during a one-touch operation, press the control a second time.

Opening and Closing the Moonroof



E138669

Press and release the rear of the control to open the moonroof. The moonroof will stop short of the fully opened position.

Note: *This position helps to reduce wind noise or rumbling that may happen with the moonroof fully open. Press and hold the control again to fully open the moonroof.*

Press and release the front of the control to close the moonroof.

Bounce-Back

The moonroof stops automatically while closing. It will reverse some distance if there is an obstacle in the way.

Windows and Mirrors

Press and hold the front of the control within two seconds of a bounce-back event to override this function. While bounce-back is active, the closing force increases for each of the next three times that you close the moonroof.

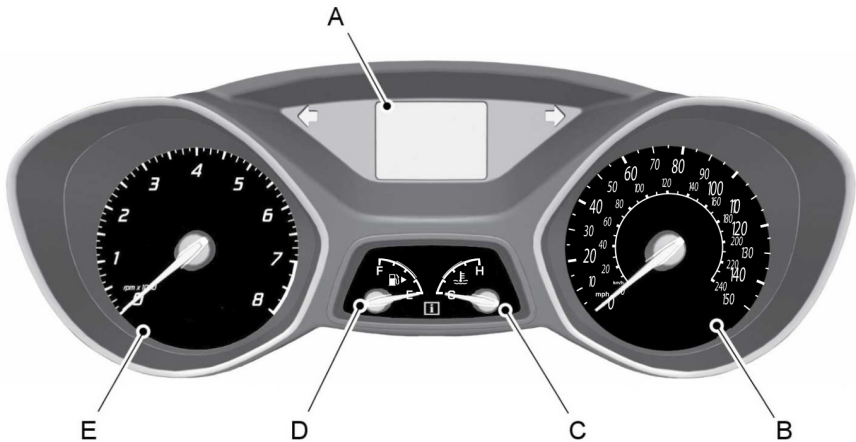
Venting the Moonroof

Press and release the front of the control to vent the moonroof. Press and release the rear of the control to close the moonroof.

Note: *When you vent the moonroof it will rise to 1.57 in (4 cm) and then lower slightly. You cannot stop the moonroof in the higher position.*

Instrument Cluster

GAUGES



E145825

- A Information display.
- B Speedometer.
- C Engine coolant temperature gauge.
- D Fuel gauge.
- E Tachometer.

Information Display

Odometer

Records the total distance traveled by your vehicle.

Outside Air Temperature

Shows the outside air temperature.

Trip Computer

See **Trip Computer** (page 78).

Vehicle Settings and Personalization

See **General Information** (page 75).

Instrument Cluster

Engine Coolant Temperature Gauge

WARNING



Never remove the coolant reservoir cap while the engine is running or hot.

At normal operating temperature the indicator will remain in the center section.

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

If the needle enters the red section, the engine is overheating. Stop the engine, switch the ignition off and determine the cause once the engine has cooled down. See **Engine Coolant Check** (page 212).

Fuel Gauge

Switch the ignition on. The fuel gauge will indicate approximately how much fuel is left 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.

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.*

Anti-Lock Braking System Warning Lamp



If it illuminates when you are driving, this indicates a malfunction. You will continue to have the normal braking system (without anti-lock braking system) unless the brake system warning lamp is also illuminated. Have your vehicle checked by an authorized dealer.

Automatic High Beam Lamp (if Equipped)



It will illuminate when this feature is on. See **Automatic High Beam Control** (page 58).

Battery Warning Lamp



If it illuminates when driving, this indicates a malfunction. Switch off all unnecessary electrical equipment. Have your vehicle checked by an authorized dealer immediately.

Blind Spot Monitor Indicator (if Equipped)



It will illuminate when you switch this feature off or in conjunction with a message. See **Blind Spot Information System** (page 161). See **Information Messages** (page 78).

Brake System Warning Lamp



It will illuminate when you engage the parking brake with the ignition on.

Instrument Cluster

If it illuminates when you are driving, check that the parking brake is not engaged. If the parking brake is not engaged, this indicates low brake fluid level or a brake system malfunction. Have your vehicle checked by an authorized dealer immediately.

WARNING



Driving your vehicle with the warning lamp on is dangerous. A significant decrease in braking performance may occur. It will take you longer to stop your vehicle. Have your vehicle checked by an authorized dealer immediately. Driving extended distances with the parking brake engaged can cause brake failure and the risk of personal injury.

Cruise Control Indicator (If Equipped)



It will illuminate when you switch this feature on. See **Using Cruise Control** (page 148).

Direction Indicator



Illuminates when the left or right direction indicator or the hazard warning flasher is turned on. If the indicators stay on or flash faster, check for a burnt out bulb. See **Changing a Bulb** (page 216).

Engine Oil 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 with the engine running or when you are driving, 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 211).

Engine Warning Lamps



Malfunction Indicator Lamp

All Vehicles

If it illuminates when the engine is running, this indicates a malfunction. The engine will continue to run but it may have limited power. If it flashes when you are driving, reduce the speed of your vehicle immediately. If it continues to flash, avoid heavy acceleration or deceleration. Have your vehicle checked by an authorized dealer immediately.

WARNING



Have this checked immediately.

Fasten Safety Belt Warning Lamp



It will illuminate and a chime will sound to remind you to fasten your safety belt. See **Safety**

Belt Minder (page 26).

Front Airbag Warning Lamp



If the warning lamp does not illuminate during start up, remains on or flashes, the system may be disabled.

Have your vehicle checked by an authorized dealer.

Instrument Cluster

Front Fog Lamps Indicator



It will illuminate when you switch the front fog lamps on.

Frost Warning Lamp

WARNING



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



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

Glow Plug Indicator



See **Starting a Diesel Engine** (page 115).

High Beam Indicator



It will illuminate when you switch the high beam headlamps on. It will flash when you use the headlamp flasher.

Information Indicator



It will illuminate when a new message is stored in the information display. It will be red or amber in color depending on the severity of the message and will remain on until the cause of the message has been rectified. See **Information Messages** (page 78).

Low Fuel Level Warning Lamp



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

Headlamp and Parking Lamp Indicator



It will illuminate when you switch the headlamps or parking lamps on.

Rear Fog Lamps Indicator



It will illuminate when you switch the rear fog lamps on.

Shift Indicator



It will illuminate to inform you that shifting to a higher or lower gear as indicated may give better fuel economy and lower CO₂ emissions. It will not illuminate during periods of high acceleration, braking or when the clutch pedal is pressed.



Stability Control Off Indicator



It will illuminate when you switch the system off. It will go out when you switch the system back on or when you switch the ignition off.

Stability Control Warning Lamp



It will flash when the system is active. If it remains illuminated or does not illuminate when you switch the ignition on, this indicates a malfunction. During a malfunction the system will switch off. Have your vehicle checked by an authorized dealer immediately.

Instrument Cluster

Start-Stop Indicator



It will illuminate to inform you when the engine shuts down or in conjunction with a message.

See **Auto-Start-Stop** (page 119). See **Information Messages** (page 78).

AUDIBLE WARNINGS AND INDICATORS

Automatic Transmission

Sounds when you open the driver's door and do not move the transmission selector lever to position **P**.

Key Outside Car

Vehicles With Keyless System

Sounds when you close the door, the engine is running and the system does not detect a passive key inside your vehicle.

Headlamps On

Sounds when you remove the key from the ignition and open the driver's door and you have left the headlamps or parking lamps on.

Low Fuel

A warning chime will sound when the remaining fuel is less than approximately 1.3 gallons (6 liters). The distance to empty displayed may vary depending on driving style and road conditions.

Safety Belt Minder

WARNINGS



The safety belt minder remains in stand-by mode when the front safety belts have been fastened. It will sound if either safety belt is unfastened.

WARNINGS



Do not sit on top of a fastened safety belt to prevent the safety belt minder from coming on. The occupant protection system will only provide optimum protection when you use the safety belt properly.

Sounds when your vehicle speed exceeds the pre-determined limit and the front safety belts are unfastened. The chime will stop after a period of time.

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.

You can control various systems on your vehicle using the information display controls on the steering wheel.

The information display shows the corresponding information.

Information Display Controls



E184819

- Press the up and down arrow buttons to scroll through and highlight the options within a menu.
- Press the right arrow button to enter a submenu.
- Press the left arrow button to exit a submenu.
- Press the **OK** button to choose and confirm settings or messages.

Menu Structure - Information Display

You can access the menu using the information display control.

Note: *It may describe options not fitted to the vehicle you have purchased.*

Trip computer 1 and 2 ¹	
Option to display all the values on screen.	
Speed	
Trip odometer	
Average fuel	Ford EcoMode
	Gear shifting

Information Displays

Trip computer 1 and 2¹	
	Anticipation
	Speed
	Ford EcoMode
Instant fuel	
Dist to empty	
Trip timer	
Average speed	
Option to select for navigation display.	

¹ See **Trip Computer** (page 78).

Information
Driver alert
Traffic signs
MyKey
MyKey
System check

Settings			
Driver assist	Traction ctrl		
	BLIS		
	City Stop		
	Forward alert		
	Cross traffic alrt		
	Cruise control	Adaptive	
		Normal	
	Driver alert		

Information Displays

Settings		
	Hill start assist	
	Tyre monitor	
	Traffic signs	
	Lane keeping	
Vehicle settings	Aux heater	
	Park heater	Heater clock
		Time 1
		Time 2
		Once
		Heat now
	Chimes	Park slot found
		Information
		Warning
	Lighting	Traffic (R/L)
		Auto highbeam
		Rain light
		Hdlamp delay
	Wipers	Rain sensing
MyKey	Create MyKey	Hold OK to create.
	Traction ctrl	Always on or user selectable.
	ESC	Always on or user selectable.
	Max speed	User selectable or off.
	Speed warning	User selectable or off.
	Volume limit	
	Do not disturb	Always on or user selectable.
	Clear all	Hold OK to clear all MyKeys.
Display	Language	Choose your applicable setting.

Information Displays

Settings

	Vehicle graphic	
	Measure unit	Choose your applicable setting.
	Temp unit	Choose your applicable setting.

System Check

All active warnings will display first if applicable. The system check menu may appear different based upon equipment options and current vehicle status. Use the up and down arrow buttons to scroll through the list. See **Information Messages** (page 78).

TRIP COMPUTER

Resetting the Trip Computer

Press and hold **OK** on the current screen to reset the respective trip, distance, time and average fuel consumption information.

All Values

Indicates all the respective trip, distance, time and average fuel consumption information.

Average Fuel Consumption

Indicates the average fuel consumption since the function was last reset.

Distance to Empty

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

Outside Air Temperature

Shows the outside air temperature.

Trip Odometer

Registers the distance traveled of individual journeys.

Trip Timer

Registers the elapsed time of individual journeys or the total time since the function was last reset.

INFORMATION MESSAGES

Note: Depending on your vehicle options and instrument cluster type, not all of the messages will display or be available.

Note: The information display may abbreviate or shorten certain messages.



E184814

Press the OK button to acknowledge and remove some messages from the information display.

The information display will automatically remove other messages after a short period of time.

Information Displays

You need to confirm certain messages before you can access the menus.

Message Indicator (If Equipped)



The message indicator illuminates to supplement some messages.

The indicator will be red or amber depending on the severity of the condition and it remains on until the condition is resolved.

A system-specific symbol with a message indicator may supplement some messages.

Active City Stop

Active City Stop

Message	Action
Active City Stop Auto braking	See Active City Stop (page 167).
Active City Stop Sensor blocked Clean screen	See Active City Stop (page 167).
Active City Stop not available	See Active City Stop (page 167).

Airbag

Message	Action
Airbag fault Service now	Displays when the system requires service due to a malfunction. Contact an authorized dealer.

Alarm

Message	Action
Alarm activated Check Vehicle	Displays when the alarm has been triggered due to unauthorized entry. See Anti-Theft Alarm (page 44).
Alarm fault Service required	Displays when the system requires service due to a malfunction. Contact an authorized dealer.

Information Displays

Battery and Charging System

Message	Action
Electrical system overvoltage Stop safely	Stop your vehicle as soon as it is safe to do so and switch off the ignition. Contact an authorized dealer.
Battery low See manual	Displays to warn of a low battery condition. Turn off all unneeded electrical accessories. Contact an authorized dealer.

Blind Spot Information and Cross Traffic Alert System

Message	Action
BLIS Low visibility See manual	Displayed when the blind spot information system and cross traffic alert system sensors are blocked. See Blind Spot Information System (page 161).
BLIS: right sensor fault Service required	Displayed when a fault with the system has occurred. Contact an authorized dealer as soon as possible.
BLIS: left sensor fault Service required	Displayed when a fault with the system has occurred. Contact an authorized dealer as soon as possible.
BLIS not available Trailer attached	Displayed when the system is not available due to trailer use. See Blind Spot Information System (page 161).
Cross traffic Vehicle coming from right	Displayed when the system detects a vehicle. See Blind Spot Information System (page 161).
Cross traffic Vehicle coming from left	Displayed when the system detects a vehicle. See Blind Spot Information System (page 161).
Cross traffic Sensor blocked See manual	Displayed when the blind spot information system and cross traffic alert system sensors are blocked. See Blind Spot Information System (page 161).
Cross traffic malfunction Service required	Displays when the system requires service due to a malfunction. Contact an authorized dealer.
Cross traffic disabled Trailer attached	Displayed when the system is not available due to trailer use. See Blind Spot Information System (page 161).

Information Displays

Engine

Message	Action
Engine fault Service now	Engine service is required. Contact an authorized dealer.
High engine temperature Stop safely	Displays when the engine temperature is too high. Stop the vehicle in a safe place and allow the engine to cool. If the problem persists, contact an authorized dealer. See Engine Coolant Check (page 212).
Power reduced to lower engine temperature	Displays when the engine has reduced power in order to help reduce high coolant temperature.

Hill Start Assist

Message	Action
Hill start assist not available	Displays when hill start assist is not available. Contact an authorized dealer. See Hill Start Assist (page 133).

Keyless Vehicle

Message	Action
Ford KeyFree Key inside vehicle	Displays to remind you that the key is in the trunk. See Keyless Starting (page 110).
Ford KeyFree No key detected	Displayed if the key is not detected by the system. See Keyless Starting (page 110).
Ford KeyFree Switch ignition off Press POWER	Displayed as a reminder to turn off the vehicle. See Keyless Starting (page 110).
Press brake to start	Displayed as a reminder to press the brake while starting the vehicle.
Ford KeyFree Key not inside car	Displayed when a valid key is not detected within the vehicle. See Keyless Starting (page 110).
Key Battery low Replace soon	Displays when the key battery is low. Change the battery as soon as possible. See Remote Control (page 30).

Information Displays

Lane Keeping Aid

Message	Action
Lane keeping sys malfunction Service required	Displays when the system has detected a condition that requires service. Have your vehicle checked by an authorized dealer.

Lighting

Message	Action
Brake lamp Bulb fault	Displays when the brake lamp bulb has burned out. Contact an authorized dealer.
Rear fog lamp Bulb fault	Displays when the rear fog lamp bulb has burned out. Contact an authorized dealer.
Low beam Bulb fault	Displays when the low beam headlamp bulb has burned out. Contact an authorized dealer.
Headlamp fault Service required	Displays when an electrical system problem occurs with the headlamp system. Contact an authorized dealer.

Maintenance

Message	Action
Oil change required	Displays when the engine oil life is depleted and requires a change. See Engine Oil Check (page 211).
Brake fluid level low Service now	Indicates the brake fluid level is low and the brake system should be inspected immediately. See Brake Fluid Check (page 213).

Information Displays

MyKey

Message	Action
MyKey active Drive Safely	Displays when MyKey is active.
MyKey Vehicle near top speed	Displays when a MyKey is in use and the MyKey speed limit is on and the vehicle speed is approaching 80 mph (130 km/h).
MyKey Vehicle at top speed	Displays when a MyKey is in use and the MyKey speed limit is reached.
MyKey Check speed Drive safely	Displays when MyKey is active.
MyKey Buckle up to unmute audio	Displays when a MyKey is in use and Belt-Minder is activated.
MyKey Park aid cannot be deactivated	Displays when a MyKey is in use and park aid is activated.
MyKey Key is already MyKey	Displays when trying to create a MyKey with a key already designated as a MyKey.
MyKey ESC cannot be deactivated	Displays when programming a MyKey.

Occupant Protection

Message	Action
Service Beltminder	Displays when the system has detected a condition that requires service. Have your vehicle checked by an authorized dealer as soon as possible.

Park Aid

Message	Action
Parking aid malfunction Service required	Displays when the system has detected a condition that requires service. Contact an authorized dealer. See Principle of Operation (page 137).

Information Displays

Park Brake

Message	Action
Park brake applied	Displays when the parking brake is set, the engine is running and the vehicle is driven more than 3 mph (5 km/h). If the warning stays on after the parking brake is released, contact an authorized dealer.

Power Steering

Message	Action
Steering loss Stop safely	The power steering system is not working. Stop the vehicle a safe place. Contact an authorized dealer.
Steering assist malfunction Service required	The power steering system is not working. Stop the vehicle a safe place. Contact an authorized dealer.
Steering malfunction Service now	The power steering system has detected a condition within the power steering system or passive entry or passive start system requires service. Contact an authorized dealer.

Starting System

Message	Action
Press brake to start	Displays when starting the vehicle as a reminder to apply the brake.
Cranking time exceeded	Displays when the vehicle fails to start.

Information Displays

Start-Stop

Message	Action
Auto Start/Stop Switch ignition off	Switch the ignition off before leaving your vehicle if the system has shut down the engine. See Auto-Start-Stop (page 119).
Auto Start/Stop malfunction Service required	Have your vehicle checked by an authorized dealer.
Auto Start/Stop Press a pedal to start engine	The engine needs to be restarted, press the clutch pedal to start. See Auto-Start-Stop (page 119).
Auto Start/Stop Select neutral to start engine	Select neutral for the system to restart the engine. See Auto-Start-Stop (page 119).
Auto Start/Stop Manual restart required	The system is not functioning. A manual restart is required.

Transmission

Message	Action
Transmission malfunction Service now	See an authorized dealer.
Transmission overheating Stop safely	The transmission is overheating and needs to cool. Stop in a safe place as soon as it's possible.
Transmission overheating Stop safely	Transmission is getting hot. Stop to let it cool or speed up.
Transmission not in Park Select P	Displays as a reminder to shift into park.
Press brake to unlock selector lever	Displays to request the operator to apply the brake as needed by the transmission.
Selector lever unlocked	Displays when the transmission shift lever is unlocked and free to select gears.

Information Displays

Tire Pressure Monitoring System

Message	Action
Check tyre pressures	Displays when one or more tires on your vehicle have low tire pressure. See Tire Pressure Monitoring System (page 229).
Tyre monitor malfunction Service required	Displays when the tire pressure monitoring system is malfunctioning. If the warning stays on or continues to come on, contact an authorized dealer. See Tire Pressure Monitoring System (page 229).
Tyre sensors not detected Check handbook	Displayed when a tire pressure sensor is malfunctioning, or your spare tire is in use. For more information on how the system operates under these conditions, see Tire Pressure Monitoring System (page 229). If the warning stays on or continues to come on, contact an authorized dealer as soon as possible.

Climate Control

PRINCIPLE OF OPERATION

Outside Air

Keep the air intakes in front of the windshield free from obstruction (such as snow or leaves) to allow the climate control system to function effectively.

Recirculated Air

WARNING



Prolonged use of recirculated air may cause the windows to mist up. If the windows mist up, follow the settings for demisting the windshield.

The air currently in the passenger compartment recirculates. Outside air does not enter your vehicle.

Heating

Heating performance depends on the temperature of the engine coolant.

General Information on Controlling the Interior Climate

Fully close all the windows.

Warming the Interior

Direct the air toward your feet. In cold or humid weather conditions, direct some of the air toward the windshield and the door windows.

Cooling the Interior

Direct the air toward your face.

Air Conditioning

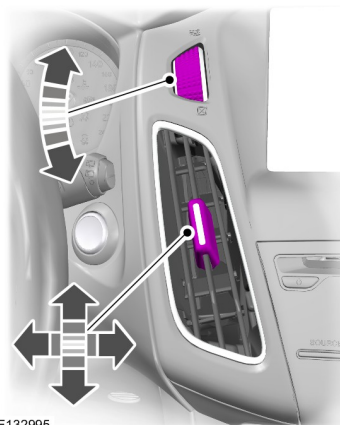
The system directs air through the evaporator for cooling. The evaporator extracts humidity from the air to help keep the windows free of mist. The system directs the resulting condensation to the outside of your vehicle, which may cause a small pool to form under your vehicle. This is normal.

Note: The air conditioning operates only when the temperature is above 39°F (4°C).

Note: When you use air conditioning, your vehicle uses more fuel.

AIR VENTS

Center Air Vents



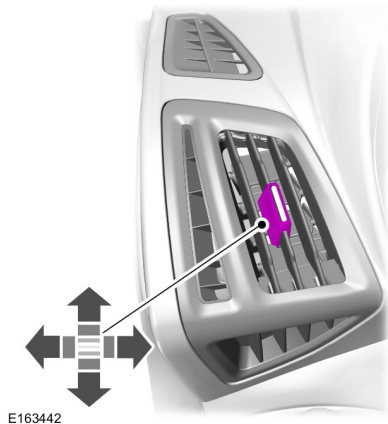
E132995

To close the air vent, turn the thumbwheel above the vent fully downward.

Climate Control

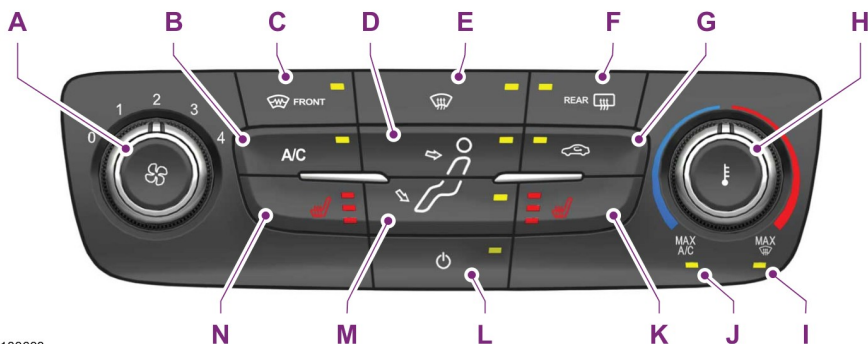
Side Air Vents

To close the air vent, slide the airflow direction control fully downward.



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MANUAL CLIMATE CONTROL



E183638

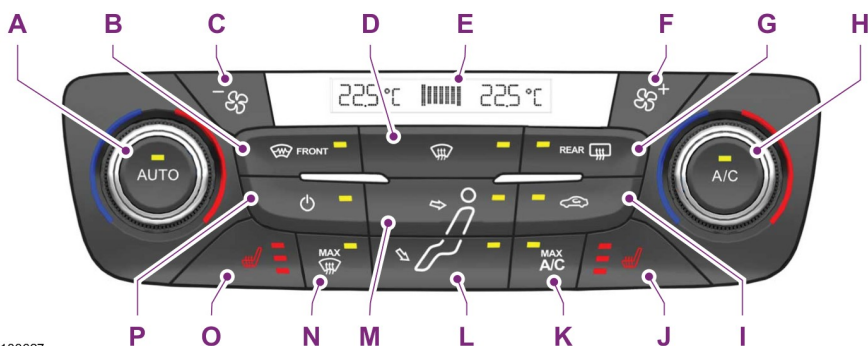
- A **Fan speed control:** Controls the volume of air circulated in your vehicle. Adjust to select the desired fan speed.
- B **Air conditioning:** To improve the time to reach a comfortable temperature in hot weather, drive with the windows open until you feel cold air through the air vents.

Climate Control

- C **Heated front windshield:** Press the button to clear the window of thin ice and fog. See **Heated Windshield** (page 94).
- D **Airflow direction - instrument panel:** Press the button to direct the airflow to the instrument panel air vents.
- E **Airflow direction - windshield:** Press the button to direct the airflow to the windshield. You can also use this setting to defog and clear the windshield of a thin covering of ice. When the temperature is above 4°C (39°F), the air conditioning will switch on automatically.
- F **Heated rear window:** Press the button to switch the heated rear window on or off. See **Heated Windows and Mirrors** (page 94).
- G **Recirculated air:** Press the button to switch between outside air and recirculated air. This can reduce the time needed to cool the interior and reduce unwanted odors from entering your vehicle.
- H **Temperature control:** Controls the temperature of the air circulated in your vehicle. Adjust to select the desired temperature.
- I **MAX Defrost:** Turn the rotary control fully clockwise. Air conditioning will automatically turn on. The airflow direction is automatically set toward the windshield. The temperature is automatically set to high.
- J **MAX A/C:** Turn the rotary control fully counterclockwise. This mode is more economical and efficient than normal air conditioning.
- K **Right-hand heated seat:** Press the button to switch the heated seat on and off. See **Heated Seats** (page 106).
- L **On and off button:** Press the button to switch the system on and off.
- M **Airflow direction - footwell:** Press the button to direct the airflow to the footwell.
- N **Left-hand heated seat:** Press the button to switch the heated seat on and off. See **Heated Seats** (page 106).

Climate Control

AUTOMATIC CLIMATE CONTROL



E183627

- A **AUTO:** Press the button to select automatic operation. The system automatically controls the temperature, amount and distribution of the airflow to reach and maintain your previously selected temperature. You can also turn off dual zone mode by pressing and holding the button for greater than two seconds.
- B **Heated windshield (if equipped):** Press the button to clear the window of thin ice and fog. See **Heated Windows and Mirrors** (page 94).
- C **Fan speed decrease:** Press the button to decrease the volume of air circulated in your vehicle.
- D **Defrost:** Press the button to distribute air through the windshield air vents. You can also use this setting to defog and clear the windshield of a thin covering of ice.
- E **Climate control display:** The display shows the set temperatures and the fan speed.
- F **Fan speed increase:** Press the button to increase the volume of air circulated in your vehicle.
- G **Heated rear window:** Press the button to switch the heated rear window on and off. See **Heated Windows and Mirrors** (page 94).
- H **Air conditioning:** Press the button to switch the air conditioning on or off. Air conditioning cools your vehicle using outside air. To improve air conditioning when starting your vehicle, drive with the windows slightly open for two to three minutes.

Climate Control

- I **Recirculated air:** Press the button to switch between outside air and recirculated air. The air currently in the passenger compartment recirculates. This can reduce the time needed to cool the interior and reduce unwanted odors from entering your vehicle.
- J **Heated seats (if equipped):** Press the button to switch the heated seats on and off. See **Heated Seats** (page 106).
- K **MAX A/C:** Press the button for maximum cooling. Recirculated air flows through the instrument panel vents, air conditioning automatically turns on, and the fan automatically adjusts to the highest speed.
- L **Airflow direction - footwell:** Press the button to direct the airflow to the footwell.
- M **Airflow direction - instrument panel:** Press the button to direct the airflow to the instrument panel air vents.
- N **MAX Defrost:** Press the button to switch on defrost. Outside air flows through the windshield vents, air conditioning automatically turns on, and fan automatically adjusts to the highest speed. You can also use this setting to defrost and clear the windshield of a thin covering of ice. The heated rear window also automatically turns on when you select maximum defrost.
- O **Heated seats (if equipped):** Press the button to switch the heated seats on and off. See **Heated Seats** (page 106).
- P **Power:** Press the button to switch the system on and off. When the system is off, it prevents outside air from entering the vehicle.

Note: If you press a fan speed or airflow direction button, it will turn off the automatic operation function. Press the **AUTO** button to return to auto mode.

Note: Prolonged use of recirculated air may cause the windows to fog up. If the system detects high humidity inside your vehicle, recirculated air will automatically turn off. The system will not automatically turn recirculated air back on.

Temperature Control



E183686

You can set the temperature between 60°F (15.5°C) and 85°F (29.5°C). In position LO, the system switches to permanent cooling. In position HI, the system switches to permanent heating.

Climate Control

Note: *If you select either position LO or HI, the system does not regulate a stable temperature.*

Mono Mode

In this mode, the temperature settings for both the driver side and passenger side are linked. If you adjust the setting using the rotary control on the driver side, the system adjusts the temperature to the same setting on the passenger side.

Switching Mono Mode Off

Select a temperature for the passenger side using the rotary control on the passenger side. Mono mode automatically switches off. The temperature on the driver side remains unchanged. You can now adjust the driver side and passenger side temperatures independently. The temperature settings for each side are shown in the display.

Switching Mono Mode Back On

Press and hold the **AUTO** button. The passenger side temperature is adjusted to the driver side temperature setting.

HINTS ON CONTROLLING THE INTERIOR CLIMATE

General Hints

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

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: *Do not place objects under the front seats as this may interfere with the airflow to the rear seats.*

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

Note: *To improve air conditioning when starting your vehicle, drive with the windows slightly open for two to three minutes.*

Manual Climate Control

Note: *To reduce fogging of the windshield during humid weather, adjust the air distribution control to the windshield air vents position.*

Automatic Climate Control

Note: *Do not adjust the settings when your vehicle interior is extremely hot or cold. The system automatically adjusts to the previously stored settings. For the system to function efficiently, the instrument panel and side air vents should be fully open.*

Note: *At low ambient temperatures with **AUTO** selected, the air stream is directed toward the windshield and side windows for as long as the engine remains cold.*

Note: *When the system is in **AUTO** mode, and the interior and exterior temperatures are high, the system automatically selects recirculated air to maximize cooling of the interior. When the selected air temperature is reached, the system automatically selects outside air.*

Climate Control

Heating the Interior Quickly

	Vehicle with manual climate control	Vehicle with automatic climate control
1	Adjust the fan speed to the highest speed setting.	Press the high fan speed button control.
2	Adjust the temperature control to the highest setting.	Adjust the temperature control to the desired setting.
3	Adjust the air distribution control to the footwell air vents position.	

Recommended Settings for Heating

	Vehicle with manual climate control	Vehicle with automatic climate control
1	Adjust the fan speed to the second speed setting.	Press the AUTO button.
2	Adjust the temperature control to the midway point of the hot settings.	Adjust the temperature control to the desired setting.
3	Adjust the air distribution control to the footwell and windshield air vents position.	

Cooling the Interior Quickly

	Vehicle with manual climate control	Vehicle with automatic climate control
1	Adjust the temperature control to the MAX A/C position.	Press the MAX A/C button.

Recommended Settings for Cooling

	Vehicle with manual climate control	Vehicle with automatic climate control
1	Adjust the fan speed to the second speed setting.	Press the AUTO button.
2	Adjust the temperature control to the midway point of the cold settings.	Adjust the temperature control to the desired setting.
3	Adjust the air distribution control to the instrument panel air vents position.	

Climate Control

Side Window Defogging in Cold Weather

	Vehicle with manual climate control	Vehicle with automatic climate control
1	Select the windshield air vents using the air distribution buttons.	Press the windshield defrosting and defogging button.
2	Press the A/C button.	Adjust the temperature control to the desired setting.
3	Adjust the temperature control to the desired setting.	
4	Adjust the fan speed to the highest setting.	

HEATED WINDOWS AND MIRRORS

Heated Rear Window



Press the button to clear the window of thin ice and fog. It will switch off automatically after a short period of time. Make sure the engine is running before operating the heated windows.

Note: Do not use razor blades or other sharp objects to clean the inside of the rear window or to remove decals from the inside of the rear window. This may cause damage to the heated grid lines and will not be covered by your warranty.

Heated Exterior Mirrors (if Equipped)



They will switch on automatically when you switch the heated rear window on.

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

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

HEATED WINDSHIELD



Press the button to clear the heated windshield of thin ice and fog. The heated windshield will automatically turn off after a short period of time. Start the engine before you switch the heated windshield on.

AUXILIARY HEATER

Fuel Operated Parking Heater

WARNING



Do not use the fuel operated parking heater at fuel filling stations or near sources of combustible vapors, dust or in enclosed spaces. This could result in serious personal injury or death.

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

Climate Control

Used correctly the system will:

- Warm the engine and the vehicle interior.
- Keep the windows clear of ice in the event of frost and prevent condensation.
- Avoid cold starts to assist the engine to reach operating temperature sooner.

Following a heating cycle, if you do not start the engine the system will not turn on the next programmed heating cycle.

Following a heating cycle, we recommend that you drive your vehicle for at least the same period of time as the heating cycle. This prevents the vehicle battery from running out of charge.

The system will only operate if there is a minimum of 1.6 gal (7.5 L) of fuel in the vehicle fuel tank and the outside air temperature is below 59°F (15°C). The system will not operate if the battery charge level is low.

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

Note: *On vehicles with manual climate control, heating the vehicle interior will depend on the heater control settings. See **Climate Control** (page 87).*

Programming the Fuel Operated Parking Heater

Use the information display controls on the steering wheel. See **Information Displays** (page 75).

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

Note: *You must program the time at least 70 minutes before the time you wish to set.*

Note: *The programmed time is when you want your vehicle to be warm and ready to drive, not when the heater turns on.*

To program the fuel operated parking heater, scroll to:

Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Park heater	Press the OK button.
Select one of the following:	
Time 1	Allows you to program a heating cycle for each day of the week. These times will remain stored and the system will warm up your vehicle at the programmed times.
Time 2	Allows you to program a second heating cycle for each day of the week. These times will remain stored and the system will warm up your vehicle at the programmed times. Select to set a second heating cycle, for example different times on different days or twice on the same day.
Once	Allows you to program one heating cycle for a specific day.
Heat now	Switches the system on immediately.

Climate Control

Programming the Time Functions

Set the time you want your vehicle to be warm and ready to drive. Use the information display controls on the steering wheel. See **Information Displays** (page 75).

1. Select the desired days you want the system to warm up your vehicle. Highlight each desired day and press the **OK** button.
2. Highlight the time at the top of the menu and press the **OK** button. The hours will flash.
3. Set the hours using the up and down arrow buttons.
4. Press the right arrow button. The minutes will flash. Set the minutes using the up and down arrow buttons. Press the **OK** button.

Programming the Once Function

Selecting this function allows you to program one heating cycle for one specific day.

Set the time you want your vehicle to be warm and ready to drive. Use the information display controls on the steering wheel. See **Information Displays** (page 75).

1. Highlight the time at the top of the menu and press the **OK** button. The hours start to flash.
2. Set the hours using the up and down arrow buttons.
3. Press the right arrow button. Set the minutes using the up and down arrow buttons. Press the **OK** button.

Switching Programmed Functions Off

Use the information display controls on the steering wheel. See **Information Displays** (page 75).

To switch the programmed functions off, scroll to:

Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Park heater	Press the OK button.
Select one of the following:	
Time 1	Uncheck the active programmed heating cycles as required.
Time 2	Uncheck the active programmed heating cycles as required.
Once	Uncheck the active programmed heating cycles as required.

Climate Control

Switching the Heat Now Function On

WARNING



Do not use the fuel operated parking heater at fuel filling stations or near sources of combustible vapors, dust or in enclosed spaces. This could result in serious personal injury or death.

Selecting this function allows you to switch the system on immediately.

Use the information display controls on the steering wheel. See **Information Displays** (page 75).

To switch the heat now function on, scroll to:

Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Park heater	Press the OK button.
Heat now	Press the OK button. An X appears in the box when you switch the heater on. To switch the heater off, uncheck the option.

Switching the Heat Now Function On and Off Using the Remote Control

Selecting this function allows you to switch the system on immediately using the remote control.

Note: *The vehicle does not need to be unlocked.*

1. Press the **ON** button on the remote control to switch the system on.
2. Press the **OFF** button on the remote control to switch the system off.

Fuel Operated Heater

WARNING



Do not use the fuel operated parking heater at fuel filling stations or near sources of combustible vapors, dust or in enclosed spaces. This could result in serious personal injury or death.

The heater operates by warming the engine cooling system. It uses fuel from the vehicle fuel tank.

The system will only operate if there is a minimum of 1.6 gal (7.5 L) of fuel in the vehicle fuel tank. The system will not operate if the battery charge level is low.

The system automatically turns on and off depending on the engine coolant temperature when the outside air temperature is below 37°F (3°C), unless you have switched it off.

Note: *The default setting is on.*

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

Note: *On vehicles with manual climate control, heating the vehicle interior will depend on the heater control settings. See **Climate Control** (page 87).*

Use the information display controls on the steering wheel. See **Information Displays** (page 75).

Climate Control


To switch the auxiliary heater on and off, scroll to:


Message	Action and Description
Settings	Press the OK button.
Vehicle settings	Press the OK button.
Aux heater	Press the OK button. An X appears in the box when the system is switched on.


Seats

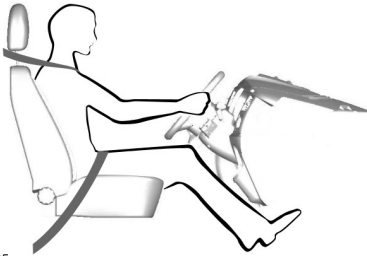
SITTING IN THE CORRECT POSITION

WARNINGS

 Do not recline the seat backrest too far as this can cause the occupant to slide under the safety belt, resulting in serious injury in the event of a crash.

 Sitting improperly, out of position or with the seat backrest reclined too far, can result in serious injury or death in the event of a crash. Always sit upright against your seat backrest, with your feet on the floor.

 Do not place objects higher than the seat backrest to reduce the risk of serious injury in the event of a crash or during heavy braking.



E68595

When you use them properly, the seat, head restraint, safety belt 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 more than 30 degrees.

- 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 10 inches (25 centimeters) 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 safety belt 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

WARNINGS

-  Raise the rear head restraint when the rear seat is occupied by a passenger.
-  Do not remove the front head restraints when the front seats are in use.

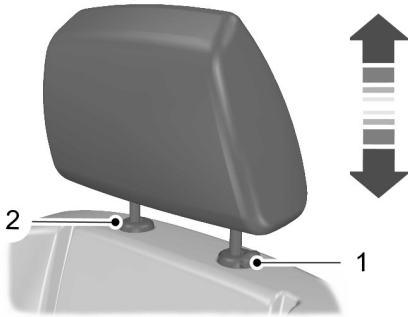
Adjusting the Head Restraints

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

Seats

Removing the Head Restraints

Front head restraints



E140447

1. Press and hold the locking button.
2. Using a suitable implement, release the retaining clip.

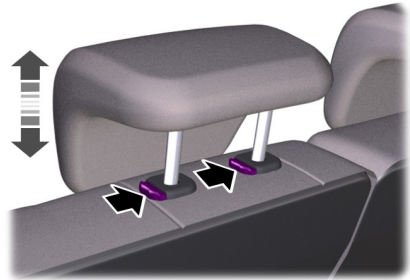
Rear outer head restraints



E135437

Press the locking button and remove the head restraint.

Rear Center Head Restraint



E135401

Press the locking buttons and remove the head restraint.

MANUAL SEATS

Moving the Seat Backward and Forward

WARNING



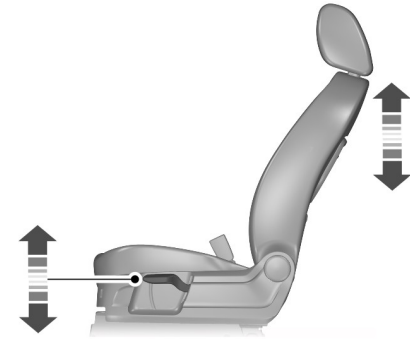
Rock the seat backward and forward after releasing the lever to make sure that it is fully engaged.



E189041

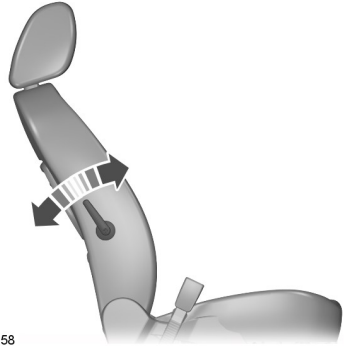
Seats

Adjusting the Height of the Driver Seat



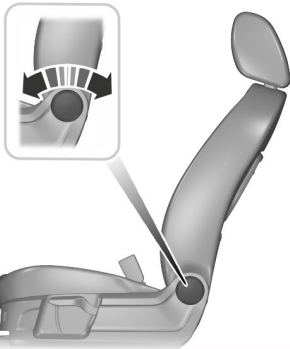
E189042

Adjusting the Lumbar Support (if Equipped)



E78058



Adjusting the Angle of the Seatback



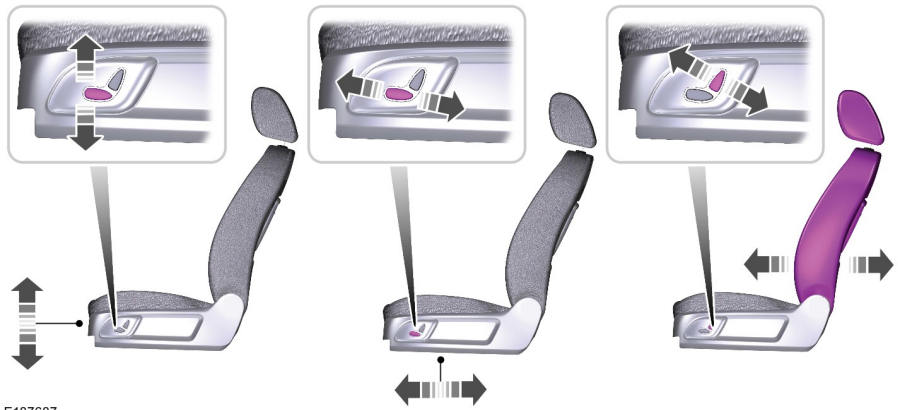
E130250

POWER SEATS - VEHICLES WITH: DRIVER 6-WAY POWER SEAT

WARNINGS

-  Do not adjust the driver seat or seatback when your vehicle is moving. Adjusting your seatback while your vehicle is in motion may cause loss of control of your vehicle.
-  Reclining the seatback can cause an occupant to slide under the seat's safety belt, resulting in severe personal injuries in the event of a crash.

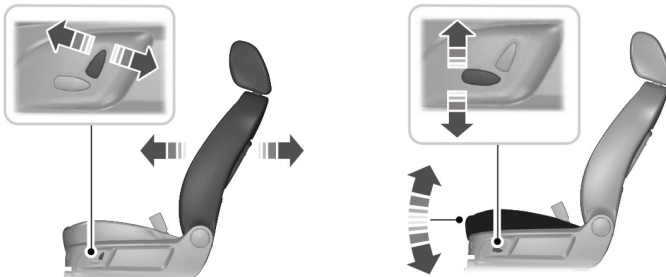
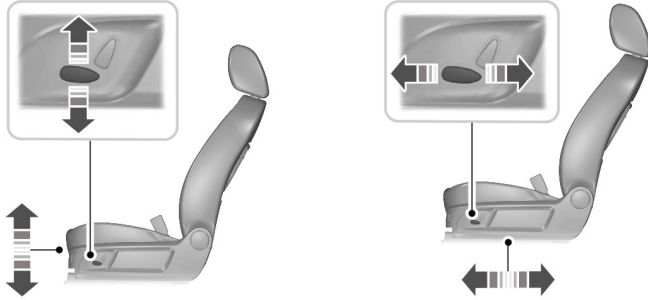
Seats



Seats

POWER SEATS - VEHICLES WITH: DRIVER 8-WAY POWER SEAT

Power Seats



E141827

Seats

Adjust the length of the seat cushion



E78816

Press the locking handle underneath the cushion extension and slide the extension forward or backward.



E135629

1. Press the unlock buttons down and hold them there.
2. Push the seatback forward.

REAR SEATS

WARNINGS



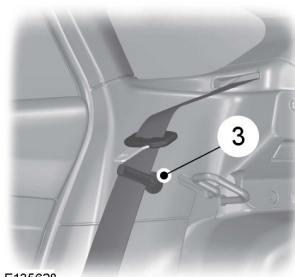
When folding the seatbacks down, take care not to get your fingers caught between the seatback and seat frame.



Make sure that the seats and the seatbacks are secure and fully engaged in their catches.

Folding the Seatbacks

Note: Lower the head restraints. See **Head Restraints** (page 99).



E135628




Note: Make sure that the seat belt is fully tightened into the retractor.

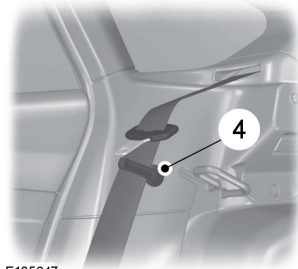
3. Place the seat belts in the clips on the outboard trim.

Seats

Folding the seat cushions and the rear seatbacks forward

WARNINGS

-  Make sure the red indicator is not showing when you engage the seat in the catches.
-  Lower the head restraints. See **Head Restraints** (page 99).
-  When inserting your fingers between the seat cushion and seatback, take care not to get your fingers caught on the ISOFIX anchor points and bracket. See **Installing Child Seats** (page 17).




E135647

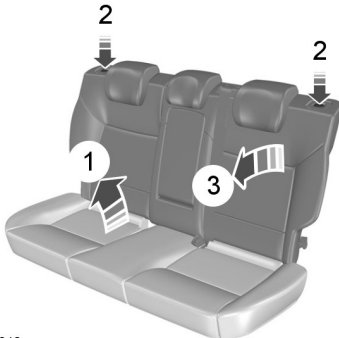
Note: Make sure that the seat belt is fully tightened into the retractor.

4. Place the seat belts in the clips on the outboard trim.

Folding the seatbacks up

WARNING

-  When folding the seatbacks up, make sure that the belts are visible to an occupant and not caught behind the seat.



E135646

Note: Hold the cushion edge to avoid the ISOFIX anchor points and brackets.

1. Insert your fingers between the seat cushion and seatback and fold the seat cushion forward.
2. Press the unlock buttons down and hold them there.
3. Push the seatback forward.

HEATED SEATS

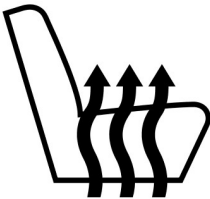
WARNING



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.

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. Doing so can cause the battery to lose charge.



E146941

Press the heated seat symbol to cycle through the various heat settings and off. Warmer settings are indicated by more indicator lights.

Auxiliary Power Points

12 Volt DC Power Point

WARNING



Do not plug electrical accessories into the cigar lighter socket. Incorrect use of the lighter can cause damage not covered by your warranty, and can result in fire or serious injury.

Note: When you switch the ignition on, you can use the socket to power 12 volt appliances with a maximum current rating of 20 amps. After you switch the ignition off, the power supply works only for a maximum of 30 minutes.

Note: Do not insert objects other than an accessory plug into the power point. This damages the outlet and can blow the fuse.

Note: Do not hang any type of accessory or accessory bracket from the plug.

Note: Do not use the power point over the vehicle capacity of 12 volt DC 180 watt or a fuse may blow.

Note: Do not use the power point for operating a cigar lighter element.

Note: Incorrect use of the power point can cause damage not covered by your warranty.

Note: Always keep the power point caps closed when not in use.

Run the engine for full capacity use of the power point.

To prevent the battery from running out of charge:

- Do not use the power point longer than necessary when your engine is not running.
- Do not leave devices plugged in overnight or when your vehicle is in park (P) for extended periods.

Location

Power points may be found:

- On the center console.
- In the center console.
- In the cargo area (Wagons only).

CIGAR LIGHTER

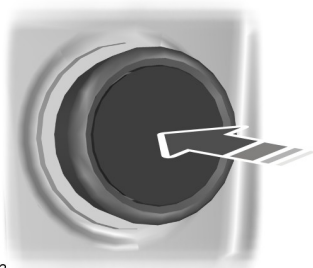
Note: Do not hold the cigar lighter element pressed in.

Note: If you use the socket when the engine is not running, the battery may lose charge.

Note: When you switch the ignition on, you can use the socket to power 12 volt appliances with a maximum current rating of 20 amps.

Note: After you switch the ignition off the power supply will only work for a maximum of 30 minutes.

Note: Use only Ford accessory connectors or connectors specified for use with SAE standard sockets.



E103382

Press the element in to use the cigar lighter. It will pop out automatically.

Storage Compartments

CUP HOLDERS

WARNINGS



Do not place hot drinks in the cup holders when your vehicle is moving.

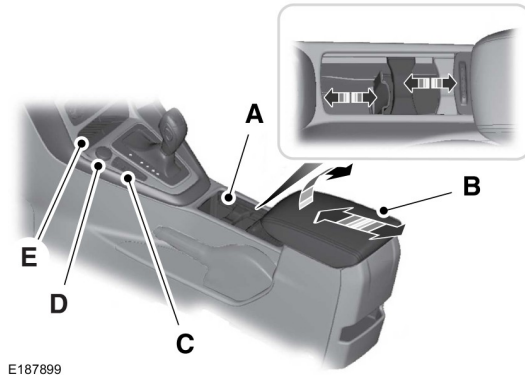


Make sure that cups placed in the holders do not obstruct your vision while driving.

CENTER CONSOLE

Stow items in the cupholder carefully as items may become loose during hard braking, acceleration or collisions, including hot drinks which may spill.

Available console features include:



E187899

- A Cupholder with two sliding divider bars that adjust to your cup and create a deeper opening for taller items. To use, press down and slide each dividing bar to adjust. Some cupholders also include a rolling shutter that pulls to close.
- B Storage compartment with auxiliary power point, auxiliary input jack, USB port and media hub.
- C Parking aid, auto-start-stop and heated steering wheel controls.
- D Auxiliary power point.
- E USB port.

Storage Compartments

OVERHEAD CONSOLE




E131605


Press near the rear edge of the door to open it.


Starting and Stopping the Engine


GENERAL INFORMATION

WARNINGS

 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.

 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.

 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.

 If you smell exhaust fumes inside your vehicle, have your vehicle checked by an authorized dealer immediately. Do not drive your vehicle if you smell exhaust fumes.

If you disconnect the battery, your vehicle may exhibit some unusual driving characteristics for approximately 5 miles (8 kilometers) 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

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 this position for too long to avoid your 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.

KEYLESS STARTING

WARNING

 Always check that the steering wheel lock is deactivated before attempting to move your vehicle. Failure to deactivate the steering wheel lock could result in a crash.

Note: The system may not function if the remote control is close to metal objects or electronic devices such as cell phones.

Starting and Stopping the Engine

Note: The ignition will automatically switch off if your vehicle is left unattended. This is to prevent the vehicle battery from losing charge.

Note: A valid passive key must be located inside your vehicle to switch the ignition on and start the engine.

Switching the Ignition On (Accessory Mode)



E142555

Press the button once without your foot on the brake or clutch pedal. It is located on the instrument panel near the steering wheel. All electrical circuits and accessories are operational and the warning lamps and indicators illuminate.

Press the button again without your foot on the brake or clutch pedal to turn your vehicle off completely.

Starting Your Vehicle

Manual Transmission

1. Fully depress the clutch pedal.
2. Briefly press the button.

Note: Releasing the clutch pedal during engine start will stop the engine cranking and return to ignition on.

Automatic Transmission

1. Move the transmission selector lever to park.
2. Fully depress the brake pedal.
3. Briefly press the button.

Note: Releasing the brake pedal during engine start will stop the engine cranking and return to ignition on.

Diesel Engine

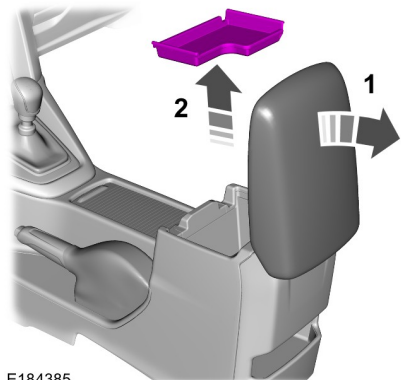
Note: Engine cranking will not commence until the engine glow plug cycle has been completed. This may take several seconds in extremely cold conditions.

Failure to Start

The system does not function if:

- The passive key frequencies are jammed.
- The passive key battery has no charge.

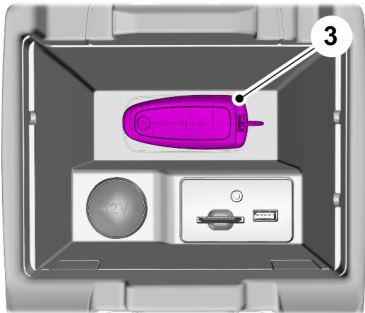
If you are unable to start your vehicle, do the following:



E184385

1. Open the floor console storage compartment lid.
2. Remove the tray.

Starting and Stopping the Engine



E184386

3. Place the passive key flat on the symbol at the bottom of the floor console storage compartment.
4. With the passive key in this position, you can use the button to switch the ignition on and start your vehicle.

Manual Transmission

If the engine does not crank when the clutch pedal has been fully depressed and the push button ignition switch is pressed, do the following:

1. Fully depress both the clutch and brake pedals.
2. Press the button until the engine has started.

Note: *Releasing the clutch pedal during engine start will stop the engine cranking and return to ignition on. A message will be shown in the display.*

Stopping the Engine When Your Vehicle is Stationary

Manual Transmission

Briefly press the button.

Automatic Transmission

1. Move the transmission selector lever to park.

2. Press the button.

Note: *The ignition, all electrical circuits warning lamps and indicators will be switched off.*

Stopping the Engine When Your Vehicle is Moving

WARNING



Switching off the engine when the vehicle is still moving will result in a loss of brake and steering assistance. The steering will not lock, but higher effort will be required. When the ignition is switched off, some electrical circuits, including air bags, warning lamps and indicators may also be off. If the ignition was turned off accidentally, you can shift into neutral (N) and re-start the engine.

1. Press and hold the button for a moment, or press it three times within two seconds.
2. Move the transmission selector lever to neutral and use the brakes to bring your vehicle to a safe stop.
3. When your vehicle has stopped, move the transmission selector lever to park and switch the ignition off.

Fast Restart

The fast restart feature allows you to restart your vehicle within 10 seconds of switching it off, even if a valid passive key is not detected.

Within 10 seconds of switching your vehicle off, press the brake pedal and press the button. After 10 seconds have expired, you can no longer start your vehicle if a valid passive key is not detected.

Starting and Stopping the Engine

Once your vehicle has started, it remains running until you press the button, even if a valid passive key has not been detected. If you open and close a door while your vehicle is running, the system searches for a valid passive key.

If you open and close a door while your vehicle is running, the system searches for a valid passive key.

You cannot start your vehicle if you open the driver door and the system does not detect a valid passive key.

STEERING WHEEL LOCK - VEHICLES WITH: PUSH BUTTON START

Your vehicle has an electronically controlled steering wheel lock that operates automatically.

The system will lock the steering wheel after a short period of time once you have parked your vehicle and the passive key is outside your vehicle, or when you lock your vehicle.

Note: *The system will not lock the steering wheel when the ignition is on or while your vehicle is moving.*

Unlocking the Steering Wheel

Switch the ignition on to unlock the steering wheel.

Note: *You may have to rotate the steering wheel slightly to assist unlocking.*

STEERING WHEEL LOCK - VEHICLES WITHOUT: PUSH BUTTON START

WARNING



Always check that the steering is unlocked before attempting to move your vehicle.

To lock the steering wheel:

1. Remove the key from the ignition switch.
2. Rotate the steering wheel slightly to engage the lock.

To unlock the steering wheel:

1. Insert the key in the ignition switch.
2. Turn the key to position **I**.

Note: *You may need to rotate the steering wheel slightly to assist unlocking if there is a steering wheel load applied.*

STARTING A GASOLINE ENGINE

The speed at which the engine idles immediately after starting is optimized to minimize vehicle emissions and maximize cabin comfort and fuel economy.

Starting and Stopping the Engine

Note: You can crank the engine for a total of 60 seconds without the engine starting before the starting system temporarily disables. The 60 seconds does not have to be all at once. For example, if you crank the engine three times for 20 seconds each time, without the engine starting, you reached the 60-second time limit. A message appears in the information display alerting you that you exceeded the cranking time. You cannot attempt to start the engine for at least 15 minutes. After 15 minutes, you are limited to a 15-second engine cranking time. You need to wait 60 minutes before you can crank the engine for 60 seconds again.

Before starting your vehicle, check the following:

- Make sure all occupants have fastened their safety belts.
- Make sure the headlamps and electrical accessories are off.
- Make sure the parking brake is on.
- Make sure the transmission is in park (P).
- Switch the ignition key to position **II**. If your vehicle is equipped with a keyless ignition, see the following instructions.

Vehicles with an Ignition Key

Note: Do not touch the accelerator pedal.

1. Fully press the brake pedal. If your vehicle is equipped with a manual transmission, fully press the clutch pedal.
2. Turn the key to position **III** to start the engine.

Note: The engine may continue cranking for up to 15 seconds or until it starts.

Note: If the engine does not start within 10 seconds, wait for a short period and try again.

Vehicles with Keyless Start

See **Keyless Starting** (page 110).

Failure to Start

If you cannot start the engine after three attempts, wait 10 seconds and follow this procedure:

1. If your vehicle is equipped with an automatic transmission, fully press the brake pedal. If your vehicle is equipped with a manual transmission, fully press the clutch pedal and apply the handbrake.
2. Move the transmission selector lever to position P or N.
3. Fully depress the accelerator pedal and hold it there.
4. Start the engine.

Automatic Shutdown

This feature automatically shuts down your vehicle if it has been idling for an extended period. The ignition also turns off in order to save battery power. Before your vehicle shuts down, a message appears in the information display showing a timer counting down from 30 seconds. If you do not intervene within 30 seconds, your vehicle shuts down. Another message appears in the information display to inform you that your vehicle has shut down in order to save fuel. Start your vehicle as you normally do.

Automatic Shutdown Override

Note: You cannot permanently switch off the automatic shutdown feature. When you switch it off temporarily, it turns on at the next ignition cycle.

Starting and Stopping the Engine

You can stop the shutdown, or reset the timer, at any point before the 30-second countdown has expired by doing any of the following:

- You can reset the timer by interacting with your vehicle (such as pressing the brake pedal or accelerator pedal).
- You can temporarily switch off the shutdown feature any time the ignition is on (for the current ignition cycle only). Use the information display to do so. See **Information Displays** (page 75).
- During the countdown before shutdown, you are prompted to press OK or RESET (depending on your type of information display) to temporarily switch the feature off (for the current ignition cycle only).

Stopping the Engine When Your Vehicle is Stationary

Vehicles with an Ignition Key


1. Shift into park (P).
2. Turn the key to position **O**.
3. Apply the parking brake.

Vehicles with Keyless Start

See **Keyless Starting** (page 110).

Stopping the Engine When Your Vehicle is Moving

WARNING

 Switching off the engine when the vehicle is still moving will result in a loss of brake and steering assistance. The steering will not lock, but higher effort will be required. When the ignition is switched off, some electrical circuits, including air bags, warning lamps and indicators may also be off. If the ignition was turned off accidentally, you can shift into neutral (N) and re-start the engine.

Vehicles with an Ignition Key


1. Shift into neutral and use the brakes to bring your vehicle to a safe stop.
2. When your vehicle has stopped, shift into park (P) and turn the key to position **O**.
3. Apply the parking brake.

Vehicles with Keyless Start

See **Keyless Starting** (page 110).

Guarding Against Exhaust Fumes

WARNING

 If you smell exhaust fumes inside your vehicle, have your vehicle checked by your authorized dealer immediately. Do not drive your vehicle if you smell exhaust fumes. Carbon monoxide is present in exhaust fumes. Take precautions to avoid its dangerous effects.

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 1.0 in (2.5 cm).
- Set your climate control to outside air.

STARTING A DIESEL ENGINE

Cold or Hot Engine



1. Switch the ignition on and wait until the glow plug indicator goes off.
2. Fully depress the clutch pedal.
3. Start the engine.

Starting and Stopping the Engine

Note: Do not touch the accelerator pedal.

Note: Releasing the clutch pedal while the engine is starting will stop the engine cranking and return to ignition on.

Note: When the temperature is below 5°F (-15°C), you may need to crank the engine for up to 10 seconds.

Note: You can only operate the starter for a limited period of time.

Note: After a limited number of attempts to start your engine, the system will not allow you to try again until a period of time has elapsed, for example 30 minutes.

Failure to Start

If the engine does not crank when the clutch pedal has been fully depressed and the ignition key is turned to position **III**.

1. Fully depress the clutch and brake pedals.
2. Turn the key to position **III** until the engine has started.

DIESEL PARTICULATE FILTER

The filter forms part of the emissions reduction system on your vehicle. It filters harmful diesel particulates (soot) from the exhaust gas.

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.

Note: Avoid running out of fuel.

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 regeneration and is normal.

Note: Changes in the engine or exhaust sound may be heard during the regeneration process.

Note: After you have switched your engine off the fans may continue to run for a short period of time.

The diesel particulate filter on your vehicle requires periodic regeneration to maintain its correct function. Your vehicle will carry out this process automatically.

If your journeys meet one of the following conditions:

- You drive only short distances.
- You frequently switch the ignition on and off.
- Your journeys contain a high level of acceleration and deceleration.

You must carry out occasional trips with the following conditions to assist the regeneration process:

- Drive your vehicle in more favorable conditions, which you will find at higher vehicle speeds in normal driving, on a main road or freeway for a minimum of 20 minutes. This drive may include short stops that will not affect the regeneration process.
- Avoid prolonged idling and always observe speed limits and road conditions.
- Do not switch the ignition off.
- Select a suitable gear to ideally maintain engine speed between 1500 and 3000 RPM.

Starting and Stopping the Engine

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

WARNINGS



Failure to follow engine block heater instructions could result in property damage or serious personal injury.



Do not use your heater with ungrounded electrical systems or two-pronged adapters. There is a risk of electrical shock.

Note: *The heater is most effective when outdoor temperatures are below 0°F (-18°C).*

The heater acts as a starting aid by warming the engine coolant. This allows the climate control system to respond quickly. 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.

We recommend that you do the following for a safe and correct operation:

- Use an extension cord suitable for use outdoors 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 cause an electric shock or fire.
- Make sure your vehicle is parked in a clean area, clear of combustibles.
- Make sure the heater, heater cord and extension cord are firmly connected.
- Check for heat anywhere in the electrical hookup once the system has been operating for approximately 30 minutes.
- Make sure the system is unplugged and properly stowed before starting and driving your vehicle. Make sure the protective cover seals the prongs of the block heater cord plug when not in use.
- Make sure the heater system is checked for proper operation before winter.

Using the Engine Block Heater

Make sure the receptacle terminals are clean and dry prior to use. Clean them with a dry cloth if necessary.

Starting and Stopping the Engine

The heater uses 0.4 to 1.0 kilowatt-hours of energy per hour of use. The system does not have a thermostat. It achieves maximum temperature after approximately three hours of operation. Using the heater longer than three hours does not improve system performance and unnecessarily uses electricity.

Unique Driving Characteristics

AUTO-START-STOP

The system reduces fuel consumption and CO2 emissions by shutting down the engine when your vehicle is idling, for example at traffic lights.

WARNINGS



If your vehicle has an automatic transmission, move the transmission selector lever to position P before leaving your vehicle.



The engine may restart automatically if required by the system.



Switch the ignition off before opening the hood or carrying out any maintenance.



Always switch the ignition off before leaving your vehicle, as the system may have shut down the engine but the ignition will still be live.

Note: The auto-start-stop indicator illuminates green when the engine shuts down. See **Warning Lamps and Indicators** (page 71). It flashes amber with a message when the driver needs to shift to neutral or press a pedal. See **Information Messages** (page 78). If it illuminates grey the system is not available.



Using Auto-Start-Stop Manual Transmission

To Stop the Engine

1. Stop your vehicle.
2. Shift into neutral.
3. Release the clutch and accelerator pedal.

To Re-Start the Engine

Press the clutch pedal.

Note: To obtain maximum benefit from the system, move the transmission lever to neutral and release the clutch pedal during any stop of longer than three seconds.

Note: Start-stop also comes with stall recovery. If you fully depress the clutch pedal after stalling the engine, the engine automatically restarts.

Using Auto-Start-Stop Automatic Transmission

To Stop the Engine

1. Stop your vehicle in drive (D).
2. Release the accelerator pedal.
3. Maintain pressure on the brake pedal.

Note: The engine will also shut down if the gearshift lever is in park (P) or neutral (N) regardless of brake pedal position.

To Re-Start the Engine

Release the brake pedal or press the accelerator pedal.

Limitations of Use

The system may not shut down the engine under certain conditions, for example:

- Low engine operating temperature.
- To maintain the interior climate.
- The battery charge level is low.
- The outside temperature is too low or too high.
- Opening the driver door when in motion.
- When the driver safety belt is unfastened.
- The heated windshield is on.

Unique Driving Characteristics

- During regeneration of the diesel particulate filter.
- Transmission is in Sport or Manual modes (automatic transmission only).

The system may automatically restart the engine under certain conditions, for example:

- To maintain the interior climate, for example air conditioning.
- The battery charge level is low.
- Your vehicle starts to roll downhill in neutral.
- The heated windshield is turned on.
- When the driver safety belt is unfastened (automatic transmission only).
- The driver door is opened (automatic transmission only).
- Transmission is shifted to Sport or Manual modes (automatic transmission only).

Note: For vehicles with auto-start-stop, the battery requirement is different. Replace it with one of exactly the same specification as the original.

Switching the System On and Off



When you switch the ignition on, the system automatically turns on.

To switch the system off, press the switch and the word OFF illuminates. Press again to switch the system back on. The system only switches off for the current ignition cycle.

Note: If the system detects a malfunction, it turns off. The OFF lamp on the switch illuminates continuously. If this remains on after an ignition cycle, have your vehicle checked by an authorized dealer.

Note: The system may not function if you leave electrical equipment connected with the ignition off.

Fuel and Refueling

SAFETY PRECAUTIONS

WARNINGS



Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.



The fuel system may be under pressure. If you hear a hissing sound near the fuel filler door (Easy Fuel capless fuel system), do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.



Automotive fuels can cause serious injury or death if misused or mishandled.



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.



Fuel ethanol and gasoline may contain benzene, which is a cancer-causing agent.



When refueling always shut the engine off and never allow sparks or open flames near the filler neck. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

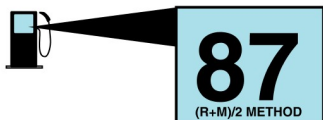
Observe the following guidelines when handling automotive fuel:

- Extinguish all smoking materials and any open flames before refueling your vehicle.
- Always turn off the vehicle before refueling.
- Automotive fuels can be harmful or fatal if swallowed. Fuel such as gasoline is highly toxic and if swallowed can cause death or permanent injury. If fuel is swallowed, call a physician immediately, even if no symptoms are immediately apparent. The toxic effects of fuel may not be visible for hours.
- Avoid inhaling fuel vapors. Inhaling too much fuel vapor of any kind 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 liquid in your eyes. If fuel is splashed in the eyes, 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 also be harmful if absorbed through the skin. If fuel is splashed on the skin, clothing or both, promptly remove contaminated clothing and wash skin thoroughly with soap and water. Repeated or prolonged skin contact with fuel liquid or vapor causes skin irritation.
- Be particularly careful if you are taking "Antabuse" or other forms of disulfiram for the treatment of alcoholism. Breathing gasoline vapors, or skin contact could cause an adverse reaction. In sensitive individuals, serious personal injury or sickness may result. If fuel is splashed on the skin, promptly wash skin thoroughly with soap and water. Consult a physician immediately if you experience an adverse reaction.

Fuel and Refueling

FUEL QUALITY - GASOLINE

Choosing the Right Fuel



E161513

We recommend regular unleaded gasoline with a pump octane rating of 87. Some stations offer fuels posted as regular with an octane rating below 87, particularly in high altitude areas. We do not recommend fuels with an octane rating below 87. Premium unleaded gasoline will provide improved performance and is recommended for severe duty usage, for example a fully loaded vehicle.

Do not use any fuel other than those recommended because they could lead to engine damage that may not be covered by the vehicle Warranty.

Note: *Use of any fuel other than those recommended can impair the emission control system and cause a loss of vehicle performance.*

Do not use:

- Diesel fuel.
- Kerosene or paraffin fuels.
- Fuel containing more than 15% ethanol or E-85 fuel.
- Fuels containing methanol.
- Fuels containing metallic-based additives, including manganese-based compounds.

- Fuels containing the octane booster additive, methylcyclopentadienyl manganese tricarbonyl (MMT).
- Leaded fuel (using leaded fuel is prohibited by law).

The use of fuels with metallic compounds such as methylcyclopentadienyl manganese tricarbonyl (commonly known as MMT), which is a manganese-based fuel additive, will impair engine performance and affect the emission control system.

Do not be concerned if the engine sometimes knocks lightly. However, if it knocks heavily under most driving conditions while you are using fuel with the recommended octane rating, contact an authorized dealer to prevent any engine damage.

FUEL QUALITY - DIESEL

Choosing the Right Fuel



E185351

Use only Regular Diesel with a pump cetane rating of 48 or higher. We recommend using Premium Diesel with a cetane rating of 55 or higher for optimal performance of your vehicle. Premium Diesel is recommended for severe duty usage, for example fully loaded or trailer tow.

Fuel and Refueling

The use of diesel with a cetane rating of 47 or lower could lead to engine damage that may not be covered by the vehicle Warranty. Some fuel stations offer fuels posted as Regular Diesel with a cetane rating below 48, particularly in high altitude areas. Fuels with cetane rating below 48 are not recommended.

Do not use any fuel other than those recommended because they could lead to engine damage that may not be covered by the vehicle Warranty.

Note: *Use of any fuel other than those recommended can impair the emission control system and cause a loss of vehicle performance.*

Do not use:

- Gasoline fuel.
- Kerosene or paraffin fuels.
- Fuel with methanol.
- Fuels containing metallic-based additives, including manganese-based compounds.

The use of fuels with metallic compounds such as methylcyclopentadienyl manganese tricarbonyl (commonly known as MMT), which is a manganese-based fuel additive, will impair engine performance and affect the emission control system.

Do not be concerned if the engine sometimes knocks lightly. However, if it knocks heavily under most driving conditions while you are using fuel with the recommended cetane rating, contact an authorized dealer to prevent any engine damage.

FUEL FILLER FUNNEL LOCATION

The fuel filler funnel is located in the spare wheel storage tray.

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 1.1 gal (5 L) of fuel to restart the engine. If your vehicle is out of fuel and on a steep slope, more fuel may be required.
- 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.

Filling a Portable Fuel Container

Use the following guidelines to avoid electrostatic charge build-up 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


WARNINGS




Do not insert the nozzle of a fuel container or an aftermarket funnel into the fuel system filler neck. This may damage the fuel system filler neck or its seal and cause fuel to run onto the ground.

Fuel and Refueling

WARNINGS

 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.

 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 plastic funnel included with your vehicle. See **Fuel Filler Funnel Location** (page 123).

Note: Do not use aftermarket funnels as they will not work with the capless fuel system and can damage it.

Note: Capless fuel systems do not have a fuel tank filler cap.

1. Fully open the fuel tank filler door until it engages and remove the fuel tank filler cap.



E156223


2. Insert the plastic funnel into the fuel tank filler pipe opening.

3. Add fuel to your vehicle from the fuel container.
4. Remove the plastic funnel from the fuel tank filler pipe opening.
5. Replace the fuel tank filler cap and close the fuel tank filler door.
6. Clean the plastic funnel and place it back in your vehicle or properly dispose of it.

Note: Extra funnels can be purchased from an authorized dealer if you choose to dispose of the funnel.






CATALYTIC CONVERTER

WARNING

 Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The exhaust will radiate a considerable amount of heat during use, and after you have switched the engine off. This is a potential fire hazard.

Driving with a Catalytic Converter


WARNINGS


-  Avoid running out of fuel.
-  Do not crank the engine for long periods.
-  Do not run the engine when a spark plug lead is disconnected.
-  Do not push-start or tow-start your vehicle. Use booster cables. See **Jump Starting the Vehicle** (page 187).
-  Do not switch the ignition off when driving.


Fuel and Refueling


REFUELING


WARNINGS


 Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have your vehicle checked by an authorized dealer immediately.

 Do not use any kind of flames or heat near the fuel system. The fuel system is under pressure. There is a risk of injury if the fuel system is leaking.

 If you use a high pressure spray to wash your vehicle, only spray the fuel filler flap briefly from a distance not less than 8 inches (200 millimeters).

 We recommend that you wait at least 10 seconds before removing the fuel nozzle to allow any residual fuel to drain into the fuel tank.

 Stop refueling after the fuel nozzle stops the second time. Additional fuel will fill the expansion space in the fuel tank which could lead to fuel overflowing. Fuel spillage could be hazardous to other road users.

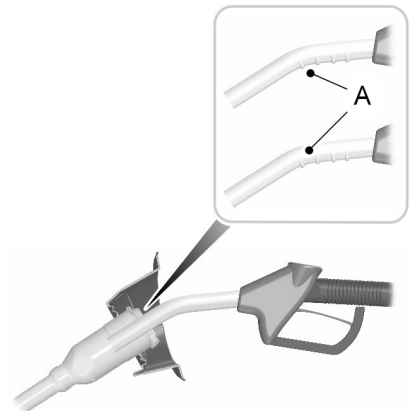
 Do not remove the fuel nozzle from its fully inserted position during the entire refueling process.

Note: Your vehicle does not have a fuel filler cap.



E135934

1. Press the flap to open it. Open the flap fully until it engages.

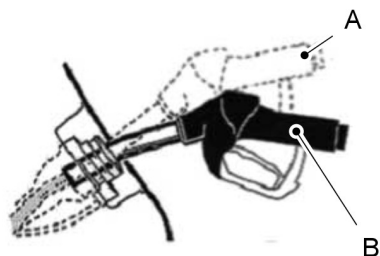


E139202

Note: When you insert the correct size fuel nozzle, a spring loaded inhibitor will open. This helps to avoid filling up with the incorrect fuel.

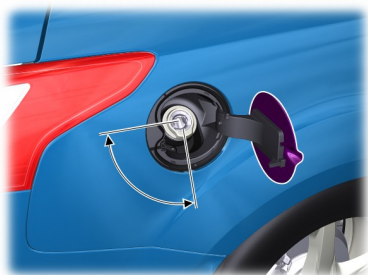
2. Insert the fuel nozzle up to and including the first notch on the fuel nozzle A. Keep it resting on the cover of the fuel pipe opening.

Fuel and Refueling



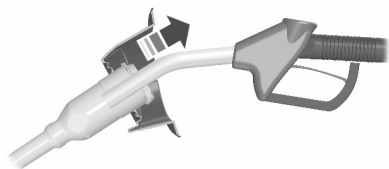
E139203

3. Hold the fuel nozzle in position B during refueling. Holding the fuel nozzle in position A can affect the flow of fuel and shut off the fuel nozzle before the fuel tank is full.



E152137

4. Operate the fuel nozzle within the area shown.



E119081

5. Slightly raise the fuel nozzle to remove it.

FUEL CONSUMPTION

We derive CO₂ 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, the accessories fitted, payload and towing.

The advertised capacity is the indicated capacity and the empty reserve combined. Indicated capacity is the difference in the amount of fuel in the fuel tank and when the fuel gauge indicates empty. Empty reserve is the amount of fuel in the fuel tank after 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. When refueling your vehicle after the fuel gauge indicates empty, you might not be able to refuel the full amount of the advertised capacity due to the empty reserve still present in the fuel tank.*

Filling the Fuel Tank

For consistent results when refueling:

- Switch the ignition off.
- Allow no more than two automatic shut-offs when refueling.

Results are most accurate when the refueling method is consistent.

Fuel and Refueling

Calculating Fuel Economy

Do not measure fuel economy during the first 1000 mi (1,600 km) of driving (this is the engine break-in period). A more accurate measurement is obtained after 2500 mi (4,000 km). Also, fuel expense, frequency of fill ups or fuel gauge readings are not accurate ways to measure fuel economy.

1. Fill the fuel tank completely and record the initial odometer reading.
2. Each time you fill the fuel tank, record the amount of fuel added.
3. After at least three fill ups, fill the fuel tank and record the current odometer reading.
4. Subtract your initial odometer reading from the current odometer reading.
5. Calculate fuel economy by dividing miles traveled by gallons used (For Metric: Multiply liters used by 100, then divide by kilometers traveled).

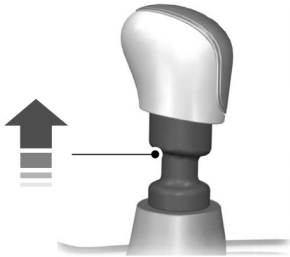
Keep a record for at least one month and record the type of driving (city or freeway). This provides an accurate estimate of your vehicle's fuel economy under current driving conditions. Additionally, keeping records during summer and winter show how temperature impacts fuel economy. In general, your vehicle will use more fuel in cold temperatures.

Transmission

MANUAL TRANSMISSION

Selecting Reverse Gear

Do not engage reverse gear when your vehicle is moving. This can cause damage to the transmission.





E99067

Raise the collar when you select reverse gear.

AUTOMATIC TRANSMISSION

WARNINGS

 Always set the parking brake fully and make sure you shift the gearshift lever to park (P). Switch the ignition off and remove the key whenever you leave your vehicle.

 Do not apply the brake pedal and accelerator pedal simultaneously. Applying both pedals simultaneously for more than three seconds will limit engine rpm, which may result in difficulty maintaining speed in traffic and could lead to serious injury.


Selector Lever Positions



E142628

- P Park
- R Reverse
- N Neutral
- D Drive
- S Sport mode

WARNING


 Apply the brakes before shifting the gearshift lever to a forward or reverse gear. Keep the brakes applied until you are ready to move off.


Press the button on the front of the gearshift lever to shift to each position.

The gearshift lever position will be shown in the instrument cluster display.

Park (P)

WARNINGS

 Shift the gearshift lever to park (P) only when your vehicle is stationary.

 Apply the parking brake and shift the gearshift lever to park (P) before leaving your vehicle. Make sure that the gearshift lever is latched in position.

Transmission

In this position, power is not transmitted to the driven wheels and the transmission is locked. You can start the engine with the gearshift lever in this position.

Note: *A warning tone sounds if you open the driver door and you have not shifted the gearshift lever to park (P).*

Reverse (R)

WARNINGS



Shift the gearshift lever to reverse (R) only when your vehicle is stationary and the engine is at idle speed.



Always come to a complete stop before shifting the gearshift lever out of reverse (R).

Shift the gearshift lever to reverse (R) to allow your vehicle to move backward.

Neutral (N)

In this position, power is not transmitted to the driven wheels but the transmission is not locked. You can start the engine with the gearshift lever in this position.

Drive (D)

Shift the gearshift lever to drive (D) to allow your vehicle to move forward and shift automatically through the forward gears.

The transmission will shift to the appropriate gear for optimum performance based on ambient temperature, road gradient, vehicle load and your input.

Sport Mode (S)

Switch on sport mode by shifting the gearshift lever to Sport (S).

Note: *In sport mode the transmission operates as normal but gears are selected more quickly and at higher engine speeds.*

SelectShift Automatic™ Transmission (If Equipped)

Your vehicle is equipped with a SelectShift Automatic transmission gearshift lever. The SelectShift Automatic transmission gives you the ability to change gears up or down (without a clutch) as desired.

In order to prevent the engine from running at too low an RPM, which may cause it to stall, SelectShift still automatically makes some downshifts if it has determined that you have not downshifted in time. Although SelectShift makes some downshifts for you, it still allows you to downshift at any time as long as the SelectShift determines that damage will not be caused to the engine from over-revving.

Note: *Engine damage may occur if you maintain excessive engine revving without shifting.*

SelectShift does not automatically upshift, even if the engine is approaching the RPM limit. It must be shifted manually by pressing the + button.

If equipped with the toggle on the gearshift lever:

- Press the (+) button to upshift.
- Press the (-) button to downshift.



E142629

If equipped with steering wheel paddles:

Transmission

With your vehicle in drive (D), the paddle shifters provide temporary manual control. They allow you the ability to shift gears quickly, without taking your hands off the steering wheel.

You can achieve extensive manual control by moving the gearshift lever to the sport (S) position.

- Pull the right paddle (+) to upshift.
- Pull the left paddle (-) to downshift.



E144821

The system determines when temporary manual control is no longer in use and returns to automatic control.

Upshift to the recommended shift speeds according to the following chart:




Upshifts when accelerating (recommended for best fuel economy)	
Shift from:	
1 - 2	15 mph (24 km/h)
2 - 3	25 mph (40 km/h)
3 - 4	40 mph (64 km/h)
4 - 5	45 mph (72 km/h)
5 - 6	50 mph (80 km/h)

The instrument cluster displays your currently selected gear.

Note: *The system stays in manual control until you make another shift selection (for example, drive [D]).*

Emergency Park Position Release Lever

WARNINGS

-  Do not drive your vehicle until you verify that the brake lamps are working.
-  This procedure requires you to shift the gearshift lever out of park (P) causing your vehicle to roll. Make sure you fully set the parking brake before attempting to release the gearshift lever.
-  If you release the parking brake and the brake warning lamp remains illuminated, the brakes may not be working correctly. The system has detected a fault that requires service.

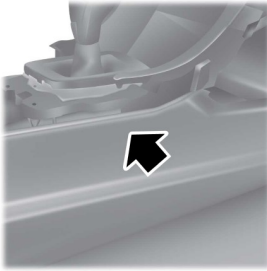
Note: *For some markets this feature will be disabled.*

Your vehicle is equipped with a brake-shift interlock feature that prevents moving the gearshift lever from park (P) when the ignition is in the on position and the brake pedal is not pressed.

If you cannot move the gearshift lever out of park (P) position with the ignition in the on position and the brake pedal pressed, a malfunction may have occurred. It is possible that a fuse has blown or your vehicle's brake lamps are not operating properly. See **Fuse Specification Chart** (page 190).

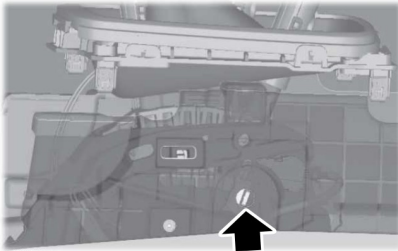
If the fuse is not blown and the brake lamps are working properly, the following procedure will allow you to move the gearshift lever from park (P):

Transmission



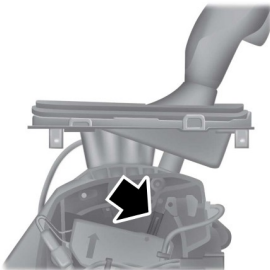
E155984

1. Remove the side panel on the right side of the gearshift lever.



E155985

2. Locate the access hole.



E155983

3. Insert the screwdriver (or similar tool) into the access hole and press the lever forward while pulling the gearshift lever out of the park (P) position and into the neutral (N) position.

4. Remove the tool and reinstall the panel.
5. Start the vehicle and release the parking brake.

Automatic Transmission Adaptive Learning

This feature may increase durability and provide consistent shift feel over the life of your vehicle. A new vehicle or transmission may have firm shifts, soft shifts or both. This operation is considered normal and does not affect function or durability of the transmission. Over time, the adaptive learning process fully updates transmission operation.

If Your Vehicle Gets Stuck In Mud or Snow

Note: Do not rock your vehicle if the engine is not at normal operating temperature or damage to the transmission may occur.

Note: Do not rock your vehicle for more than a minute or damage to the transmission and tires may occur, or the engine may overheat.

If your vehicle gets stuck in mud or snow, it may be rocked out by shifting between forward and reverse gears, stopping between shifts in a steady pattern.

Press lightly on the accelerator in each gear.

Brakes

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 handheld 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: *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 the Alloy Wheels** (page 223).*

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 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

Note: *When the system is operating, the brake pedal will pulse and may travel further. Maintain pressure on the brake pedal. You may also hear a noise from the system. This is normal.*

The anti-lock braking system will 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.

PARKING BRAKE

Vehicles With Automatic Transmission

WARNING



Always set the parking brake fully and leave your vehicle with the transmission selector lever in position P.

Brakes

Note: If you park your vehicle on a hill and facing uphill move the transmission selector lever to position P and turn the steering wheel away from the curb.

Note: If you park your vehicle on a hill and facing downhill move the transmission selector lever to position P and turn the steering wheel toward the curb.

Vehicles With 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.

All Vehicles

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

WARNINGS



The system does not replace the parking brake. When you leave your vehicle, always apply the parking brake and shift the transmission into park (P) for automatic transmission or first gear for manual transmission.



You must remain in your vehicle once you have activated the system.



During all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required.



If the engine is revved excessively, or if a malfunction is detected, the system will be deactivated.

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 you time to move your foot from the brake to the accelerator pedal. The brakes are released 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.

The system will activate automatically on any slope that will cause significant vehicle rollback. For vehicles with a manual transmission, you can switch this feature off using the information display. See **Information Displays** (page 75). The system will remain on or off depending on how it was last set.

Brakes

Note: *The system only functions when you bring your vehicle to a complete stop. Shift into reverse (R) when facing downhill and first gear (1) when facing uphill.*

Note: *There is no warning lamp 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 about two or 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 brakes will release automatically.

Traction Control

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.

Switching the System Off and On Using the Information Display Controls

Your vehicle comes with this feature already enabled. If required, you can switch this feature off using the information display controls.

When you switch the system off, stability control remains fully active.

Switching the System Off Using a Switch (If Equipped)

The switch is located in 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.

When you switch the system off, stability control remains fully active.

Stability Control

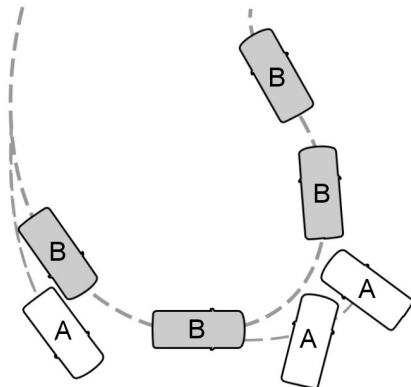
PRINCIPLE OF OPERATION

Electronic Stability Program

WARNING



The system does not relieve you of your responsibility to drive with due care and attention. Failure to do so could result in loss of vehicle control, personal injury or death.



E72903

- A Without ESP
- B With ESP

The system supports stability when your vehicle starts to slide away from your intended path. The system performs this by braking individual wheels and reducing engine torque as required.

The system also provides an enhanced traction control function by reducing engine torque if the wheels spin when you accelerate. This improves your ability to pull away on slippery roads or loose surfaces, and improves comfort by limiting wheel spin in hairpin bends.

Stability Control Warning Lamp

While driving, it flashes when the system is operating. See **Warning Lamps and Indicators** (page 71).

USING STABILITY CONTROL

The system automatically turns on each time you switch the ignition on.

Switching the System Off and On Using the Information Display Controls

Your vehicle comes with this feature already enabled. If required, you can switch this feature off using the information display. See **General Information** (page 75).

Stability control will remain on even when you have switched the traction control off.

Switching the System Off Using a Switch (if Equipped)

The switch is located in 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 will remain on even when you have switched the traction control off.

Parking Aids

PRINCIPLE OF OPERATION

WARNINGS



The system does not relieve you of your responsibility to drive with due care and attention.



If your vehicle has a non-Ford approved trailer tow module the system may not correctly detect objects.



The sensors may not detect objects in heavy rain or other conditions that cause disruptive reflections.



The sensors may not detect objects with surfaces that absorb ultrasonic waves.



The system does not detect objects that are moving away from your vehicle. They will only be detected shortly after they start to move toward your vehicle.



Take particular care when reversing with a tow ball arm or a rear fitted accessory. For example, a bicycle carrier. The rear parking aid will only indicate the approximate distance from the rear bumper to an object.



If you use a high pressure spray to wash your vehicle, only spray the sensors briefly from a distance not less than eight inches (20 centimeters).

Note: If your vehicle has a tow ball arm, the system is turned off automatically when trailer lamps (or lighting boards) are connected to the 13-pin socket through a Ford approved trailer tow module.

Note: Keep the sensors free from dirt, ice or snow. Do not clean with sharp objects.

Note: The system may emit false alerts if it detects a signal using the same frequency as the sensors or if your vehicle is fully loaded.

Note: The outer sensors may detect the side walls of a garage. If the distance between the outer sensors and the side wall remains constant for three seconds, the alert will turn off. As you continue the inner sensors will detect objects directly behind your vehicle.

FRONT PARKING AID

WARNINGS



The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. Take care when using the system to avoid personal injury.



To help avoid personal injury, always use caution when in reverse and when using the sensing system.



This system is not designed to prevent contact with small or moving objects. The system is designed to provide a warning to assist you in detecting large stationary objects to avoid damaging your vehicle. The system may not detect smaller objects, particularly those close to the ground.



Traffic control systems, inclement weather, air brakes and external motors and fans may affect correct operation of the sensing system; this may include reduced performance or a false alerts.

Front Sensing System

When the parking aid system produces an audible warning, the audio system may reduce the set volume to a predetermined level.

Parking Aids

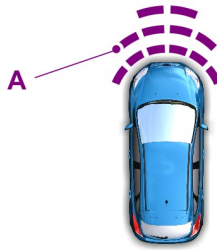
Note: Keep the sensors located on the bumper or fascia free from snow, ice and large accumulations of dirt. If the sensors are covered, the system's accuracy can be affected. Do not clean the sensors with sharp objects.

Note: If your vehicle sustains damage to the bumper or fascia, leaving it misaligned or bent, the sensing zone may be altered causing inaccurate measurement of obstacles or false beeps.

The front sensors are active when the transmission is in any position other than park (P). When your vehicle approaches an object, a warning tone sounds. When your vehicle moves closer to an object, the warning tone repeat rate increases. The warning tone sounds continuously when an object is 12 in (30 cm) or less from the front bumper.

You can also press the parking aid button to switch the front parking aid system on without selecting reverse (R).

The system automatically turns off when your vehicle speed reaches 7 mph (12 km/h).



E184301

- A Sensor coverage area is up to 28 in (70 cm) from the front bumper and 6-14 inches (15-35 centimeters) to the side of the front bumper.

If the transmission is in reverse (R), the front sensing system provides audio warnings when the vehicle is moving and the detected obstacle is moving towards the vehicle. Once the vehicle is stationary, the audio warning will be stopped after 2 seconds.

The system detects objects when:

- Your vehicle is moving forward at low speed.
- Your vehicle is moving forward at low speed and an object is approaching the front of your vehicle at a low speed.

Press the parking aid button to switch the system off. 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 78).

Parking Aids

Obstacle Distance Indicator (if

Equipped)

The system provides obstacle distance indication through the information display. The distance indicator displays when the transmission is in reverse (R).

The indicator displays:

- As the distance to the obstacle decreases the indicator blocks illuminate and move towards the vehicle icon.
- If there is no obstacle detected, the distance indicator blocks are greyed out.

Vehicles with automatic transmission

If the gearshift is in neutral (N), the system provides obstacle distance indication through the information display. If your vehicle moves the front sensing system provides an audible warning when the vehicle is moving at 5 mph (8 km/h) or below and an obstacle is located inside the detection area. Once the vehicle is stationary, the audio warning will be stopped after 4 seconds.

If the gearshift is in drive (D) or any other forward gear, the front sensing system provides audio warnings when the vehicle is moving and an obstacle is located inside the detection area. Once the vehicle is stationary, the audio warning will be stopped after 2 seconds.

REAR PARKING AID

WARNINGS



Sensing is only an aid to detect some objects when moving forward or backward at low speeds. Traffic control systems, inclement weather or an external motor and fan can affect the sensors; this may include reduced performance or false activation. To help avoid personal injury you must read and understand the limitations of the system detailed in this section.



The parking aid system may not prevent contact with small or moving objects that are close to the ground. The parking aid system gives an audible warning when it detects a large object helping to avoid damage to your vehicle. To help avoid personal injury you must take care when using the parking aid system.

Rear Sensing System

When the parking aid system produces an audible warning, the audio system may reduce the set volume to a predetermined level.

Note: *Some add-on equipment can cause reduced performance or false activation. For example, large trailer hitches, bike or surfboard racks.*

Note: *The parking aid system sensors must be kept clean and free from snow or ice to avoid reduced performance or false activation. Do not clean the sensors with sharp objects.*

Note: *If the parking aid sensors are misaligned due to vehicle bumper damage it will cause reduced performance or false activation.*

Parking Aids

The rear parking aid sensors turn on automatically when you move the transmission selector lever to R (reverse) and your vehicle is moving at a speed of less than 3 mph (5 km/h). Moving your vehicle closer to a large object will increase the audible warning repeat rate. When the object is less than 12 inches (30 centimeters) from the center of your vehicle's rear bumper the audible warning will sound continuously.



E130178

- A Sensor coverage area is up to 71 in (180 cm) from the rear bumper.

Note: *There is a decreased coverage area at the outer corners.*

The system detects large objects when you move the transmission selector lever to R (reverse):




- Your vehicle is moving backward at low speed.
- Your vehicle is stationary but an object is approaching the rear of your vehicle at a low speed.
- Your vehicle is moving backward at low speed and an object is approaching the rear of your vehicle at a low speed.

Note: *If your vehicle remains stationary for two seconds the audible tone will mute. If your vehicle moves backward, you will hear the tone again.*

Move the transmission selector lever from R (reverse) or press the parking aid button to switch the system off. 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 78).

ACTIVE PARK ASSIST

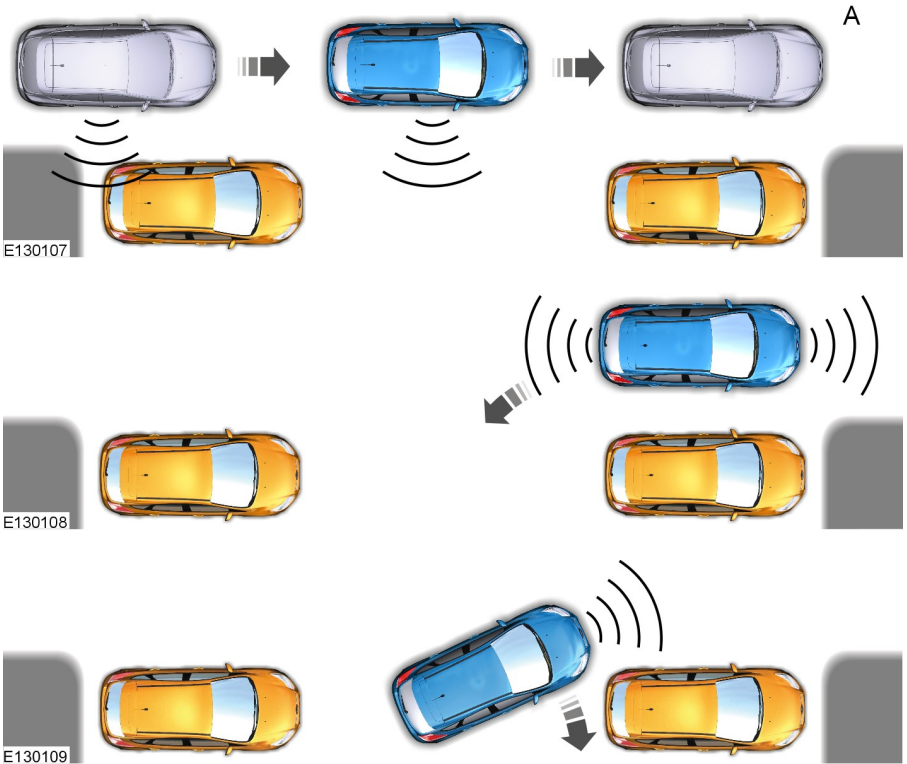
WARNINGS

-  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.
-  The sensors may not detect objects in heavy rain or other conditions that cause disruptive reflections.
-  You must take full control of your vehicle when the speed exceeds 6 mph (10 km/h) as the system is disabled.

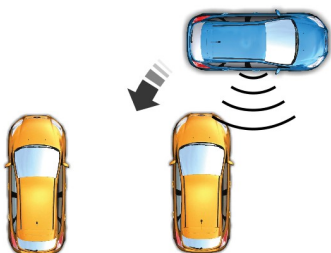
Note: *If the traction control system is disabled active park assist will not be available.*

Parking Aids

The active park assist system uses a number of sensors to help you park your vehicle, and leave a parallel or perpendicular parking space.



Parking Aids



E186191

Parallel or Perpendicular Parking

The system scans the area adjacent to both sides of your vehicle to locate a suitable parking space.

The system informs you when it locates a suitable parking space. When you stop your vehicle, the system takes control of the steering to guide your vehicle into the parking space.

Using the System

Use the direction indicator to select searching either to the left-hand side or right-hand side of your vehicle.

Note: If you do not make a selection the system will default to the passenger's side.

Note: The arrow symbols or graphics in the display indicate which side the system intends to park your vehicle.

Parking Your Vehicle

You are responsible for accelerating, decelerating and stopping your vehicle.

1. Press the active park assist switch.
2. The information and entertainment display will inform you and a chime will be heard when a suitable space is found.
3. Slow down and stop at approximately position A, then follow the system instructions.

4. Move your vehicle forward. Do not touch the steering wheel. Parking aid warning tones will sound. Stop your vehicle when you hear a continuous tone.
5. Reverse carefully. Do not touch the steering wheel. Parking aid warning tones will sound. Stop your vehicle when you hear a continuous tone.
6. Repeat steps 4 and 5 until your vehicle is parked. The display will indicate when the system has finished the manoeuvre.

Note: The system does not stop your vehicle if you fail to stop when you hear a continuous tone.

Note: You can take control of the manoeuvre by holding the steering wheel. If a message appears in the display, press the active park assist switch to resume.

The system may not correctly operate in any of the following conditions:

- a spare tire or a significantly worn tire more than the other tires is used
- you use a tire size not recommended by us
- you try to park on a tight curve
- the weather conditions are poor (heavy rain, snow, fog, etc).

Park Out Assist

The system takes control of the steering to guide your vehicle out of the parking space.

1. Press the active park assist switch.
2. Use the direction indicator lever to exit the parking space on the left-hand side or right-hand side of your vehicle.
3. Reverse carefully. Do not touch the steering wheel. Parking aid warning tones will sound. Stop your vehicle when you hear a continuous tone.

Parking Aids

4. Move your vehicle forward. Do not touch the steering wheel. Parking aid warning tones will sound. Stop your vehicle when you hear a continuous tone.
5. Repeat steps 3 and 4 until your vehicle is parked. The display will indicate when the system has finished the manoeuvre.
6. Take full control of your vehicle by holding the steering wheel.

Note: *The system does not stop your vehicle if you fail to stop when you hear a continuous tone.*

SIDE SENSING SYSTEM

The side sensing system uses the front and rear side sensors to detect obstacles that are near to the sides of your vehicle. The system places them on a virtual map in the instrument cluster as your vehicle moves past them. The system detects obstacles even when they are no longer in the sensor's field of view.

Note: *If an obstacle approaches the side of the vehicle without passing a front or rear side sensor, the obstacle will not be detected.*

The side sensors are active when the transmission is in any other position other than park (P).

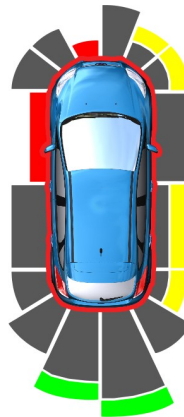


E190458

Coverage area is up to 24 in (60 cm) from the side of your vehicle.

When the system detects an object close to the side of your vehicle, an audible warning sounds. As the object comes closer to the side of your vehicle, the rate of the audible warning increases. The rate of the audible warning varies depending on whether the obstacle is inside or outside of the driving path of your vehicle.

Distance Indication (If Equipped)



E190459

Parking Aids

The system may provide obstacle distance indication through the information display.

As the distance to the obstacle decreases, the indicator blocks illuminate and move toward the vehicle icon. If there is no obstacle detected, the distance indicator blocks will not be present.

When you shift to reverse (R), the side sensing system provides audible and visual distance indication when your vehicle is moving and obstacles are detected within 12 in (30 cm), or when obstacles are detected within 12–24 in (30–60 cm) and are inside the driving path of your vehicle. When you stop your vehicle the audible warning stops after two seconds.

Note: *Visual distance indication remains on when the transmission is in reverse (R).*

When you shift to drive (D) or any other forward gear, for example, low (L), sport (S) or any forward gear in manual transmission, the side sensing system provides audible and visual distance indication when your vehicle is moving at 7 mph (12 km/h) or below and obstacles are detected within 12 in (30 cm), or when obstacles are detected within 12–24 in (30–60 cm) and are inside the driving path of your vehicle. When you stop your vehicle the audible warning stops after two seconds and the visual distance indication stops after four seconds.

Note: *If the obstacle remains within 12–24 in (30–60 cm) visual distance indication remains on.*

When you shift to neutral (N), the side sensing system only provides visual distance indication when your vehicle is moving at 7 mph (12 km/h) or below, for example when moving on a slope, and obstacles are detected within 12 in (30 cm). When you stop your vehicle the visual distance indication stops after four seconds.

If the side sensing system is not available, the side distance indicator blocks will not be present.

The side sensing system is not available under the following condition:

- If you switch the traction control system off.

The side sensing system may not be available until you have driven approximately the length of your vehicle in order for the system to reinitialize if:

- You switch the ignition on, off and back on.
- Your vehicle remains stationary for over two minutes.
- The anti-lock brake system is activated.
- The traction control system is activated.

REAR VIEW CAMERA (If Equipped)

WARNINGS



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.



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.



Back up as slow as possible since higher speeds might limit your reaction time to stop your vehicle.

Parking Aids

WARNINGS



Use caution when using the rear video camera and the luggage compartment door is ajar. If the luggage compartment door is ajar, the camera will be out of position and the video image may be incorrect. All guidelines disappear when the luggage compartment door is ajar.



Use caution when turning camera features on or off. Make sure your vehicle is not moving.

The rear view camera provides an image of the area behind your vehicle.

During operation, lines appear in the display which represent your vehicle's path and proximity to objects behind your vehicle.



E142435

The camera is located on the luggage compartment door.

Using the Rear View Camera System

The rear view camera system displays what is behind your vehicle when you shift the transmission into reverse (R).

Note: *The reverse sensing system is not effective at speeds above 7 mph (12 km/h) and may not detect certain angular or moving objects.*

The system uses three types of guides to help you see what is behind your vehicle:

- Active guidelines: Show the intended path of your vehicle when reversing.
- Fixed guidelines: Show the actual path your vehicle is moving in while reversing in a straight line. This can be helpful when backing into a parking space or aligning your vehicle with another object behind you.
- Centerline: Helps align the center of your vehicle with an object (for example, a trailer).

Note: *If the transmission is in reverse (R) and the luggage compartment door or liftgate is open, no rear view camera features will display.*

Note: *When towing, the camera only sees what you are towing. This might not provide adequate coverage as it usually provides in normal operation and some objects might not be seen. In some vehicles, the guidelines may disappear when you connect the trailer tow connector.*

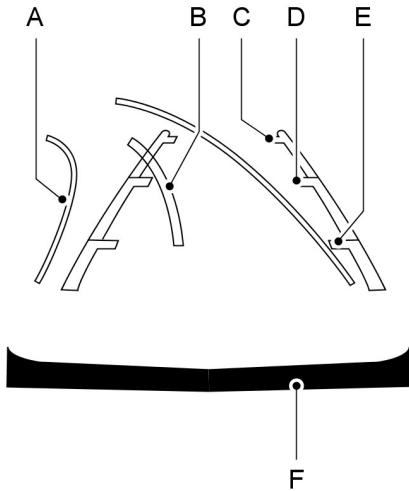
The camera may not operate correctly under the following conditions:

- Nighttime or dark areas if one or both reverse lamps are not operating.
- Mud, water or debris obstructs the camera's view. Clean the lens with a soft, lint-free cloth and non-abrasive cleaner.
- The rear of your vehicle is hit or damaged, causing the camera to become misaligned.

Camera Guidelines

Note: *Active guidelines are only available when the transmission is in reverse (R).*

Parking Aids



E142436

- A Active guidelines
- B Centerline
- C Fixed guideline: Green zone
- D Fixed guideline: Yellow zone
- E Fixed guideline: Red zone
- F Rear bumper

Active guidelines only show with fixed guidelines. To use active guidelines, turn the steering wheel to point the guidelines toward an intended path. If the steering wheel position changes while reversing, your vehicle might deviate from the original intended path.

The fixed and active guidelines fade in and out depending on the steering wheel position. The active guidelines do not display when the steering wheel position is straight.

Always use caution while reversing. Objects in the red zone are closest to your vehicle and objects in the green zone are farther away. Objects are getting closer to your vehicle as they move from the green zone to the yellow or red zones. Use the side view mirrors and rear view mirror to get better coverage on both sides and rear of your vehicle.

Manual Zoom

WARNING



When manual zoom is on, the full area behind your vehicle may not show. Be aware of your surroundings when using the manual zoom feature.

Note: Manual zoom is only available when the transmission is in reverse (R).

Note: When you enable manual zoom, only the centerline is shown.

Selectable settings for this feature are Zoom in (+) and Zoom out (-). Press the symbol in the camera screen to change the view. The default setting is Zoom OFF.

This allows you to get a closer view of an object behind your vehicle. The zoomed image keeps the bumper in the image to provide a reference. The zoom is only active while the transmission is in reverse (R).

Camera System Settings

You can adjust the camera settings using the vehicle settings menu in the information display.

Enhanced Park Aids or Park Pilot (If Equipped)

Selectable settings for this feature are ON and OFF.

Parking Aids

The system uses red, yellow and green highlights that appear on top of the video image when any of the sensing systems detect an object.

Rear Camera Delay

Selectable settings for this feature are ON and OFF.

The default setting for the rear camera delay is OFF.

When shifting the transmission out of reverse (R) and into any gear other than park (P), the camera image remains in the display until:

- Your vehicle speed sufficiently increases.
- You shift your vehicle into park (P).
- 10 seconds of time elapse.

Cruise Control

PRINCIPLE OF OPERATION

Cruise control lets you maintain a set speed without keeping your foot on the accelerator pedal. You can use cruise control when your vehicle speed is greater than 20 mph (30 km/h).

USING CRUISE CONTROL

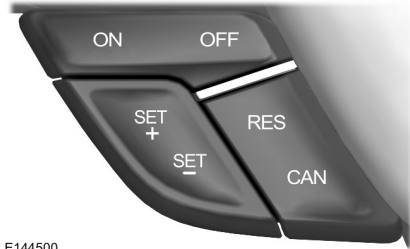
WARNINGS



Do not use cruise control in heavy traffic, on winding roads or when the road surface is slippery. This could result in loss of vehicle control, serious injury or death.



When you are going downhill, your vehicle speed may increase above the set speed. The system will not apply the brakes but a warning displays.



E144500

The cruise control switches are located on the steering wheel.

Switching Cruise Control On

Press and release **ON**.



The indicator appears in the instrument cluster.

Setting a Speed

1. Accelerate to the desired speed.

2. Press and release **SET+**.

3. Take your foot off the accelerator pedal.

Note: *The indicator will change color.*

Note: *Cruise control will disengage if your vehicle speed decreases more than 10 mph (16 km/h) below your set speed while driving uphill.*

Changing the Set Speed

- Press the accelerator or brake pedal until you reach the desired speed. Press and release **SET+**.
- Press and hold **SET+** or **SET-**. Release the control when you reach the desired speed.
- Press and release **SET+** or **SET-**. The set speed will change in approximately 3 mph (5 km/h) 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.*

Canceling the Set Speed

Press and release **CAN** or tap the brake pedal. The system will not erase the set speed.

Resuming the Set Speed

Press and release **RES**.

Switching Cruise Control Off


Press and release **OFF** when the system is in stand by mode or switch the ignition off.


Note: *You will erase the set speed if you switch the system off.*


Cruise Control


USING ADAPTIVE CRUISE CONTROL


WARNINGS

 The system is not a crash warning or avoidance system. You must intervene if the system does not detect a vehicle in front of you.


 Adaptive cruise control does not detect stationary or slow moving vehicles below 6 mph (10 km/h).


 The system does not brake for slow or stationary vehicles, pedestrians, objects in the road, oncoming and crossing vehicles.


 Do not use the system when entering or leaving a freeway.

 Do not use adaptive 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.

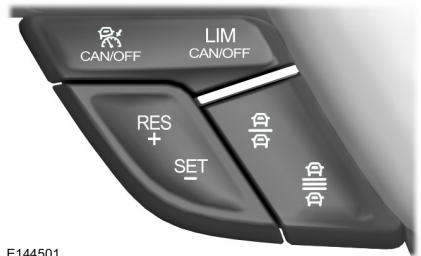
 Do not use the system in poor visibility, specifically fog, heavy rain, spray or snow.

 Do not use the system when towing a trailer with electronic aftermarket trailer brake controls. Electronic aftermarket trailer brakes do not function properly when you switch on the system because the brakes are electronically controlled. Failing to do so may result in loss of vehicle control, which could result in serious injury. Overrun brakes, surge brakes and other non-electronic trailer-brake controllers are not affected.

 Do not use tire sizes other than those recommended because this can affect the normal operation of the system. Failing to do so may result in a loss of vehicle control, which could result in serious injury.

The system is designed to help you maintain a gap from the vehicle in front of you. If there is no vehicle in front of you the system will maintain a set speed. The system is intended to provide enhanced operation of your vehicle when following other vehicles which are in the same lane and traveling in the same direction.

The system is based on the use of a radar sensor which projects a beam directly forward of your vehicle. This beam will detect any vehicle ahead within the system's range.

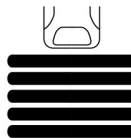


E144501

Use the steering wheel controls to operate the system.

Switching the System On

Press and release the Adaptive Cruise Control **CAN/OFF** button.



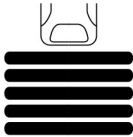
E82312

Cruise Control

The cruise control indicator, **SET mph (kph)**, the current gap setting indicator and **Standby** displays in the instrument cluster.

Setting a Speed

1. Drive to desired speed.
2. Press and release **SET-**.
3. The information display shows a green indicator light, current gap setting and desired set speed.
4. Take your foot off the accelerator pedal.



E82312



5. When the system detects a vehicle in front of you, it will be displayed above the horizontal bars.

Note: *When adaptive cruise control is active, the set speed displayed in the information display may vary slightly from the speedometer.*

Changing the Set Speed

- Press and release **RES+** or **SET-**. The set speed changes in 3 mph (5 km/h) increments.
- Press the accelerator or brake pedal until you reach the desired speed. Press and release **SET-**.
- Press and hold **RES+** or **SET-**. Release the control when you reach the desired speed.

The system may apply the brakes to slow the vehicle to the new set speed.

Canceling the Set Speed

Press the brake pedal or the clutch pedal for an extended period, or press and release the Adaptive Cruise Control **CAN/OFF** button. The last set speed displays with a strikethrough.

Resuming the Set Speed

Press and release **RES+**. The vehicle returns to the previously set speed and gap setting. The set speed displays continuously in the information display while the system is active.


Switching the System Off


Press and release the Adaptive Cruise Control **CAN/OFF** button when the system is in stand by mode or switch the ignition off.

Note: *The set speed memory erases when you switch off the system.*

Following a Vehicle

WARNINGS

 When following a vehicle, your vehicle does not decelerate automatically to a stop, nor does your vehicle always decelerate quickly enough to avoid a crash without driver intervention. Always apply the brakes when necessary. Failing to do so may result in a crash, serious injury or death.

 Adaptive cruise control only warns of vehicles detected by the radar sensor. In some cases there may be no warning or a delayed warning. You should always apply the brakes when necessary. Failing to do so may result in a crash, serious 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.

Cruise Control

The lead vehicle graphic illuminates.

Your vehicle maintains a constant gap behind 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 your lane or out of view.
- The vehicle speed falls below 12 mph (20 km/h).
- A new gap is set.

If required, the system will automatically brake for you to maintain the set gap between your vehicle and the one detected in front of you. This braking capacity is limited to approximately 30% of the total manual braking capacity to maintain smooth and comfortable cruising.

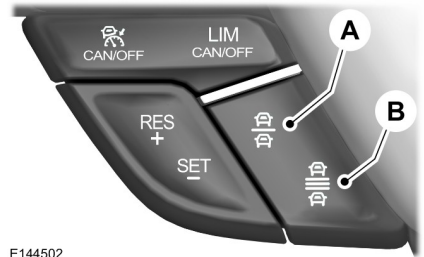
The system is designed to assist you by warning you of the risk of a crash with the vehicle in front of you.

The system is designed to alert you by warning chimes and a visual warning in the information display.

Brake support is turned on to enable full braking effectiveness and reduce the severity of a crash with the vehicle in front of you.

Note: *The brakes may emit a sound when modulated by the adaptive cruise control system.*

Setting the Gap



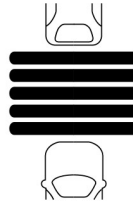
E144502

A Gap decrease

B Gap increase

You can decrease or increase the gap between your vehicle and the vehicle in front of you by pressing the gap control.

Note: *It is your responsibility to select a gap appropriate to the driving conditions.*



E82312

The selected gap appears in the information display as shown by the bars in the graphic. Five gap settings are available.

Note: *The gap setting is time dependent and therefore the distance will automatically adjust with your speed.*

Cruise Control

Adaptive cruise control gap settings

Set speed mph (km/h)	Graphic display, bars indicated between vehicles	Time gap, seconds	Gap yd (m)	Dynamic beha- vior
62 (100)	1	1	31 (28)	Sport
62 (100)	2	1.2	36 (33)	
62 (100)	3	1.5	46 (42)	Normal
62 (100)	4	1.8	55 (50)	
62 (100)	5	2.1	63 (58)	Comfort

Note: The system status and settings will remain unchanged each time you switch the ignition on.

Overriding the System

WARNING



Whenever the driver is overriding the system by pressing the accelerator pedal, the system does not automatically apply the brakes to maintain separation from any vehicle ahead.

You can override the set speed and gap by pressing the accelerator pedal.



When you override the system, the green indicator light illuminates and the lead vehicle graphic does not show in the information display.

It will switch back on when you release the accelerator pedal.

Automatic Switch Off

Automatic cancellation can also occur if:

- Your vehicle speed falls below approximately 12.4 mph (20 km/h)
- 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 indicates low engine speed. Shift to a lower gear (manual transmission only) to avoid automatic cancellation.

Hilly Condition Usage

You should select a lower gear position when the system is active in situations such as prolonged downhill driving on steep grades, for example in mountainous areas. The system needs additional engine braking in these situations to reduce the load on the vehicle's regular brake system to prevent them from overheating.

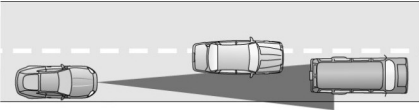
Note: An audible warning sounds and the system shuts down if it applies brakes for an extended period of time. This allows the brakes to cool down. The system functions normally again when the brakes have cooled down.

Cruise Control

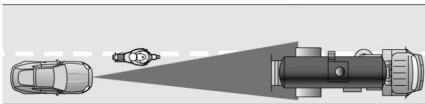
Detection Beam Issues

The radar sensor has a limited field of vision. It may not detect vehicles at all or detect a vehicle later than expected in some situations. The lead vehicle graphic does not illuminate if the system does not detect a vehicle in front of you.

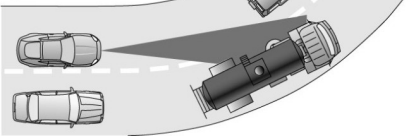
A



B



C



E71621

Detection issues can occur:

- With vehicles that edge into your lane that can only be detected once they have moved fully into your lane (**A**). Motorcyclists may be detected late, or not at all. (**B**)
- With vehicles in front of you when going into and coming out of a bend (**C**). The detection beam will not follow sharp curves in the road.

In these cases the system may brake late or unexpectedly. You should stay alert and intervene if necessary.

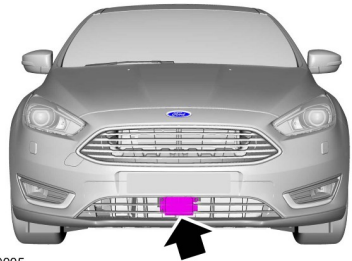
If something hits the front of your vehicle or damage occurs, the radar-sensing zone may change. This could cause missed or false vehicle detections. Contact your authorized dealer as soon as possible.

System Not Available

Conditions that can cause the system to deactivate or prevent the system from activating when requested include:

- A blocked sensor.
- High brake temperature.
- A failure in the system or a related system.

Blocked Sensor



E190005

A message displays if something obstructs the radar signals from the sensor. The sensor is located on the lower grille. The system cannot detect a vehicle ahead and does not function when something obstructs the radar signals.

Keep the front of your vehicle free of dirt, metal badges or objects. Vehicle front protectors and aftermarket lights may also block the sensor.

Cruise Control

The following table lists possible causes and actions for this message displaying.

Cause	Action
The surface of the radar in the grille is clean but the message remains in the display.	Wait a short time. It may take several minutes for the radar to detect that it is free from obstruction.
Swirling water, snow or ice on the surface of the road may interfere with the radar signals.	Do not use the system in these conditions because it may not detect any vehicles ahead.

It is possible to get a blockage warning and not be blocked. A false blocked condition self clears or clears after a key cycle.

Switching to Normal Cruise Control

WARNING



Normal cruise control does not brake due to slower vehicles. Always be aware of which mode you have selected and apply the brakes when necessary.

You can manually change from adaptive cruise control to normal cruise control through the information display.



The cruise control indicator light replaces the adaptive cruise control indicator light if you select normal cruise control. The system defaults to adaptive cruise control when you start the vehicle.

Driving Aids

SPEED LIMITER - VEHICLES WITH: CRUISE CONTROL

Principle of Operation

WARNING



When you are going downhill, your speed may increase above the set speed. The system will not apply the brakes but a warning will be given.

The system allows you to set a speed, to which your vehicle then becomes limited. The set speed will become the effective maximum speed of your vehicle, but with the option to temporarily exceed this limit if required.

Using the System

Note: *The set speed limit can be intentionally exceeded for a short period of time if required, for example when overtaking.*

The system is operated by adjustment controls mounted on the steering wheel.



E193646

Switching the System On and Off

Press LIM to set the limiter in standby mode. The information display will prompt you to set a speed. Press CAN with the limiter in standby mode to turn the system off.

Setting the Speed Limit

- Press SET+ or SET- to select your desired speed limit. The speed is displayed in the information display and stored as the set speed.
- Press SET- with the limiter in standby mode to set the limiter to the current vehicle speed.
- Press CAN to cancel the limiter and place it in standby mode. The information display will confirm this has been turned off by showing the set speed crossed out.
- Press RES to resume the limiter. The information display will confirm this has been turned on by showing the set speed again.

Intentionally Exceeding the Set Speed Limit

Depress the accelerator fully to temporarily turn the system off. The system will turn on once your vehicle speed drops below the set speed.

System Warnings

If you accidentally exceed the set speed, it will flash in the information display and you will hear and audible warning chime.

If you intentionally exceed the set speed, it will flash in the information display.

SPEED LIMITER - VEHICLES WITH: ADAPTIVE CRUISE CONTROL

Principle of Operation

WARNING



When you are going downhill, your speed may increase above the set speed. The system will not apply the brakes but a warning will be given.

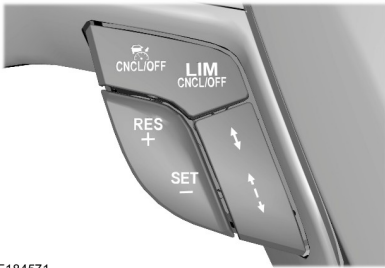
Driving Aids

The system allows you to set a speed, to which your vehicle then becomes limited. The set speed will become the effective maximum speed of your vehicle, but with the option to temporarily exceed this limit if required.

Using the System

Note: *The set speed limit can be intentionally exceeded for a short period of time if required, for example when overtaking.*

The system is operated by adjustment controls mounted on the steering wheel.



E184571

Switching the System On and Off

Press LIM CNCL/OFF to set the limiter in standby mode. The information display will prompt you to set a speed. Press LIM CNCL/OFF with the limiter in standby mode to turn the system off.

Setting the Speed Limit

- Press RES+ or SET- to select your desired speed limit. The speed is displayed in the information display and stored as the set speed.
- Press SET- with the limiter in standby mode to set the limiter to the current vehicle speed.

- Press LIM CNCL/OFF to cancel the limiter and place it in standby mode. The information display will confirm this has been turned off by showing the set speed crossed out.
- Press RES+ to resume the limiter. The information display will confirm this has been turned on by showing the set speed again.

Intentionally Exceeding the Set Speed Limit

Depress the accelerator fully to temporarily turn the system off. The system will turn on once your vehicle speed drops below the set speed.

System Warnings






If you accidentally exceed the set speed, it will flash in the information display and you will hear an audible warning chime.

If you intentionally exceed the set speed, it will flash in the information display.

DRIVER ALERT

Principle of Operation

WARNINGS

-  The system does not relieve you of your responsibility to drive with due care and attention.
-  At all times you are responsible for controlling your vehicle, supervising the system and intervening if required.
-  If the sensor becomes blocked the system may not function.
-  Take regular rest breaks as required and do not wait for the system to warn you if you feel tired.
-  Take rest breaks only where it is safe to do so.

Driving Aids

WARNINGS



Certain driving styles and behavior may result in the system issuing a warning even if you are not feeling tired.



In cold and severe weather conditions the system may not function. Rain, snow, spray and large contrasts in lighting can all influence the sensor.



The system will not operate if the sensor cannot track the road lane markings.



The system may not operate in areas during roadwork construction.



The system may not operate on roads with sharp bends or narrow lanes.



Do not carry out windshield repairs in the immediate area surrounding the sensor.



If your vehicle has a suspension kit not approved by us, the system may not function correctly.

Note: *Keep the windshield free from obstructions such as bird droppings, insects and snow or ice.*

Note: *The system assists you when driving on fast main roads and freeways.*

Note: *The system calculates an alertness level at vehicle speeds above approximately 40 mph (65 km/h).*

The system automatically monitors your driving behavior.

The system is designed to alert you if it detects that you are becoming drowsy or if your driving deteriorates.

Using Driver Alert

Switching the System On and Off

Note: *The system will remain on or off depending on how it was last set.*

Switch the system on using the information display. See **Information Displays** (page 75).

The system will calculate your alertness level based upon your driving behavior in relation to the lane markings and other factors.

System Warnings

Note: *The system will not issue warnings below approximately 40 mph (65 km/h).*

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 will issue a further warning. This will remain in the information display until you cancel it. See **General Information** (page 75).

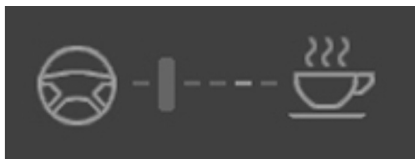
Press **OK** on the steering wheel control to remove the warning.

System Display

When active the system will run automatically in the background and only issue warnings if required. You can view the status at any time using the information display. See **General Information** (page 75).

The alertness level is shown by six steps as a colored bar.

Driving Aids



E131358

Alertness level is fine, no rest required.



E131359

Alertness level is critical, indicating that you should take a rest as soon as it is safe to do so.

The status bar will travel from left to right as the calculated alertness level decreases. As the rest icon is approached the color turns from green to yellow and then finally red when a rest break must be taken.

- Green: No rest required.
- Yellow: First (temporary) warning.
- Red: Second warning.

Your alertness level will be shown in grey if:

- the camera sensor cannot track the road lane markings
- your vehicle speed drops below approximately 40 mph (65 km/h).

Resetting the System

You can reset the system by:

- switching the ignition off and on
- stopping your vehicle and then opening and closing the driver's door.

LANE KEEPING SYSTEM

Lane Keeping Alert

Principle of Operation

WARNINGS



The system does not relieve you of your responsibility to drive with due care and attention.



At all times you are responsible for controlling your vehicle, supervising the system and intervening if required.



If the sensor becomes blocked the system may not function.



The sensor may incorrectly track lane markings such as other structures or objects. This can result in a false or missed warning.



In cold and severe weather conditions the system may not function. Rain, snow, spray and large contrasts in lighting can all influence the sensor.



The system will not operate if the sensor cannot track the road lane markings.



The system may not operate in areas during roadwork construction.



The system may not operate on roads with sharp bends or narrow lanes.



Do not carry out windshield repairs in the immediate area surrounding the sensor.



If your vehicle has a suspension kit not approved by us, the system may not function correctly.

Note: Keep the windshield free from obstructions such as bird droppings, insects and snow or ice.

Driving Aids

Note: The system may assist you when driving on fast main roads and freeways.

Note: The system may not operate during hard braking or acceleration and when you are intentionally steering your vehicle.

Note: The system will operate with a minimum of one tracked lane marking.

Note: The system will only operate above vehicle speeds of approximately 40 mph (65 km/h).

The sensor is located behind the interior mirror. It continuously monitors conditions to alert you of unintentional lane drifting at high speeds.

The system will automatically detect and track the lane markings on the road. If your vehicle unintentionally drifts toward the road lane markings, a warning will be shown in the display. There is also a warning given in the form of a vibration felt through the steering wheel.

Using Lane Keeping Alert

Switching the System On and Off

Note: When you switch the system off, a warning indicator will remain illuminated in the information display. See **Warning Lamps and Indicators** (page 71).

Note: The system status and settings will remain unchanged when you switch the ignition on and off.



E132099

Switch the system on and off using the button on the direction indicator stalk.

Press the button twice to switch the system on. Press the button once to switch the system off.

Setting the Steering Wheel Vibration Level

The system has three intensity levels which you can set using the information display. See **General Information** (page 75).

Setting the System Sensitivity

You can adjust how quickly the system warns you of a dangerous situation. The system has two sensitivity levels which you can set using the information display. See **General Information** (page 75).

System Warnings



E132651

A column of lane markings are displayed either side of the vehicle graphic.

The lane markings are color coded as follows:

- Green: The system is ready to warn you of any unintentional lane departure.
- Red: Your vehicle is approaching or is too close to the detected lane boundary. Take immediate safe action to reposition your vehicle.
- Gray: The relevant lane boundary will be suppressed.

Driving Aids

Instances where a lane boundary may be suppressed:

- Lane markings on the road may not be detected by the sensor.
- You turn the direction indicator for that side of your vehicle on.
- If you apply direct steering, accelerate fast or brake hard.
- Your vehicle speed is outside the operating limits.
- If there is an anti-lock brake or stability control intervention.
- Narrow lane width.

If the lane markings in the display turn red or you feel a vibration through the steering wheel you must take immediate and safe action to align your vehicle. Correct any unintended lane drift immediately.

Lane Keeping Aid

Switching the System On and Off

Note: *The system does not automatically turn on every time you switch the ignition on.*

Note: *When you switch the system on, this will automatically turn lane keeping alert on.*



E132099

Switch the system on and off using the button on the indicator stalk.

Press the button three times to switch the system on. Press the button again to switch the system off.

Setting the System Sensitivity

You can adjust how quickly the system intervenes in a dangerous situation. The system has two sensitivity levels which you can set using the information display. See **General Information** (page 75).

System Warnings



E132651

A column of lane markings are displayed either side of the vehicle graphic.

The lane markings are color coded as follows:

- Green: The system is ready to warn you of any unintentional lane departure.
- Yellow: The system will automatically apply a steering torque to align your vehicle path and correct any unintended lane drift.
- Red: Your vehicle is approaching or is too close to the detected lane boundary. The steering wheel will give a vibration warning. Take immediate safe action to reposition your vehicle.

Instances where a lane boundary may be suppressed:

- Lane markings on the road may not be detected by the sensor.
- You turn the direction indicator for that side of your vehicle on.

Driving Aids

- If you apply direct steering, accelerate fast or brake hard.
- Your vehicle speed is outside the operating limits.
- If there is an anti-lock brake or stability control intervention.
- Narrow lane width.

Note: You can override the system at any time during its operation by turning the steering wheel.

BLIND SPOT INFORMATION SYSTEM

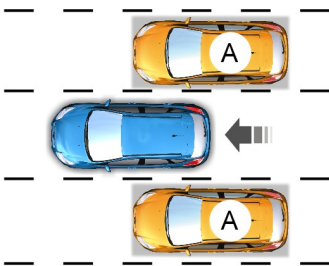
Blind Spot Information System (BLIS™) with Cross Traffic Alert

(If Equipped)

WARNING



Do not use the system as a replacement for using the mirrors or looking over your shoulder before changing lanes. You should only use the system as an aid. It is not a replacement for careful driving.



E124788

The system is a convenience feature that assists you in detecting vehicles that may have entered the blind spot zone (A). The detection area is on both sides of your vehicle extending rearward from the exterior mirrors to approximately 10 feet (3 meters) beyond the rear bumper. The system is designed to alert you if other vehicles enter the blind spot zone when driving.

Cross Traffic Alert is designed to warn you of vehicles approaching from the sides when the transmission is in reverse (R).

Note: The Blind Spot Information System does not prevent contact with other vehicles or objects; nor detect parked vehicles, people, animals or infrastructure (fences, guardrails, trees, etc.). It's only designed to alert you to vehicles in the blind zones.

Note: Vehicles that pass through the blind spot zone quickly (typically less than 2 seconds) will not trigger the alert.

Using the Systems

The Blind Spot Information System turns on when you start the engine and you drive you vehicle forward above 5 mph (8 km/h); it remains on while the transmission is in drive (D) or neutral (N). If shifted out of drive (D) or neutral (N), the system enters cross traffic alert mode. Once shifted back into drive (D), the Blind Spot Information System turns back on when you drive your vehicle above 5 mph (8 km/h).


Note: The Blind Spot Information System does not function in reverse (R) or park (P) or provide any additional warning when a turn signal is on.

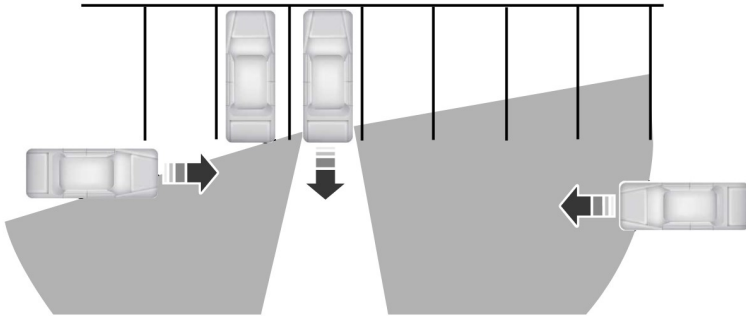
Note: Cross Traffic Alert is designed to detect approaching vehicles from up to 46 ft (14 m) away, though coverage decreases when the sensors are blocked. Reversing slowly helps increase the coverage area and effectiveness.

Driving Aids

Note: For manual transmission vehicles, the Cross Traffic Alert will be active only if the transmission is in reverse (R). If your vehicle is rolling backwards and the transmission is not in reverse (R) then Cross Traffic Alert will not be active.

WARNING

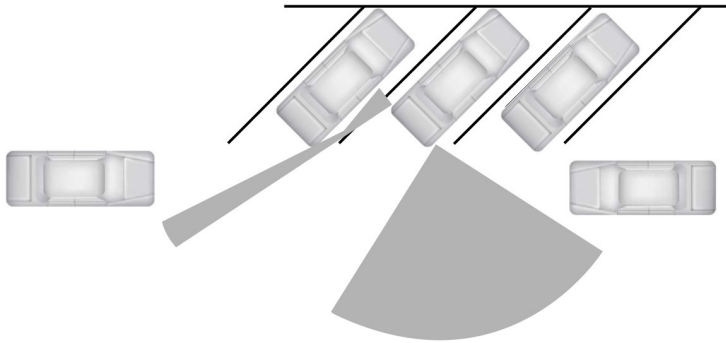
 Do not use the system as a replacement for using the mirrors or looking over your shoulder before changing lanes. You should only use the system as an aid. It is not a replacement for careful driving.



E142440

In this first example, the left sensor is only partially obstructed; zone coverage is nearly maximized.

Driving Aids



E142441

Zone coverage also decreases when parking at shallow angles. Here, the left sensor is mostly obstructed; zone coverage on that side is severely limited.

System Lights and Messages



E142442

The system displays a yellow warning indicator located in the exterior mirrors.

Note: It will dim when the ambient light decreases.

Cross Traffic Alert also sounds a series of tones and a message appears in the information display indicating a vehicle is coming from the right or left. Cross Traffic Alert works with the reverse sensing system that sounds its own series of tones. See **Parking Aids** (page 137).

System Sensors

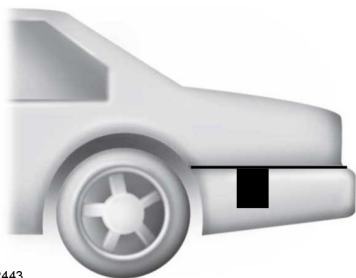
WARNING



Prior to the system recognizing a blocked condition and issuing a warning, the number of missed objects will increase.

Note: It is possible to get a blockage warning with no blockage present; this is rare and known as a false blockage warning. A false blocked condition either self-corrects or clears after a key cycle.

Driving Aids



E142443

The system uses radar sensors which are located behind the bumper fascia on each side of your vehicle. Do not allow mud, snow or bumper stickers to obstruct these areas, this can cause degraded system performance.

If the system detects a degraded performance condition, a message warning of a blocked sensor or low visibility will appear in the information display along with a warning indicator. You can clear the information display warning but the warning indicator will remain illuminated.

When you remove a blockage, you can reset the system in two ways:

- While driving, the system detects at least two objects.
- You cycle the ignition from on to off and then back on.

If the blockage is still present after the key cycle and driving in traffic, check again for a blockage.

Reasons for messages being displayed	
The radar surface is dirty or obstructed	Clean the fascia area in front of the radar or remove the obstruction.
The radar surface is not dirty or obstructed	Drive normally in traffic for a few minutes to allow the radar to detect passing vehicles so it can clear the blocked state.
Heavy rain-fall or snowfall interferes with the radar signals	No action required. The system automatically resets to an unblocked state once the rainfall or snowfall rate decreases or stops. Do not use the Blind Spot Information System or Cross Traffic Alert in these conditions.

Detection Limitations

There may be instances where the system will not always detect vehicles entering and exiting the blind spot zone.

Instances which may cause non-detection:

- Debris build up on the rear bumper panels in the area of the sensors.
- Certain maneuvering of vehicles entering and exiting the blind spot zone.
- Vehicles passing through the blind spot zone at high speed.
- Severe weather conditions.
- Several vehicles passing through the blind spot zone following each other closely.

Driving Aids

The following are other situations that may limit the Cross Traffic Alert system:

- Adjacently parked vehicles or objects obstructing the sensors.
- Approaching vehicles passing at speeds greater than 15 mph (24 km/h).
- Driving in reverse faster than 5 mph (8 km/h).
- Backing out of an angled parking spot.

False Alerts

Note: *If your vehicle has a trailer tow module approved by us, the system will detect a connected trailer and turn off. For non-factory equipped tow bars, you may want to turn the Blind Spot Information System off manually.*

There may be certain instances when there is a false alert by either the Blind Spot Information or the Cross Traffic Alert systems that illuminates the alert indicator with no vehicle in the coverage zone. Some amount of false alerts are normal; they are temporary and self-correct.

Detection Errors

If either system senses a problem with the left or right sensor, the Blind Spot Information System warning indicator will illuminate and a message will appear in the information display.

All other system faults will display only with a message in the information display. See **Information Messages** (page 78).

Switching the Systems Off and On

You can temporarily switch off one or both systems in the information display. See **General Information** (page 75). When you switch off the Blind Spot Information System, you will not receive alerts and the information display will display a system off message.

Note: *The Cross Traffic Alert system always switches on whenever the ignition is switched on. However, the Blind Spot Information System will remember the last selected on or off setting.*

One or both systems cannot be switched off when MyKey is used. See **Principle of Operation** (page 34).

You can also have one or both systems switched off permanently at an authorized dealer. Once switched off, the system can only be switched back on at an authorized dealer.

TRAFFIC SIGN RECOGNITION

Principle of Operation

WARNINGS



The system does not relieve you of your responsibility to drive with due care and attention.



At all times you are responsible for controlling your vehicle, supervising the system and intervening if required.



If the sensor becomes blocked the system may not function.

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 function correctly.*

Note: *Always fit Ford original parts when replacing headlamp bulbs. Other bulbs may reduce system performance.*

Driving Aids

Note: Keep the windshield free from obstructions such as bird droppings, insects and snow or ice.

Note: The system may not detect all traffic signs and may read signs incorrectly.

Note: The system is designed to automatically detect traffic signs meeting the Vienna convention.

Note: Traffic sign data provided by the navigation system contains information integrated to the data carrier release.

There is a sensor mounted behind the interior rear view mirror. It continuously monitors road signs to inform you of the current speed limit and overtaking regulations.

The system automatically detects recognisable traffic signs, such as:

- Speed limit signs.
- No overtaking signs.
- Speed limit cancellation signs.

When the system recognises a traffic sign, it will be shown in the display.

Using the System

Switching the System On and Off

Note: The system status and settings will remain unchanged during ignition cycles.

You can switch the system on and off using the information display. See **General Information** (page 75).

Setting the System Speed Warning

The system has a number of speed warning levels which can be set using the information display. See **General Information** (page 75).

System Display



E 132994

The system can display two traffic signs in parallel.

You can view the status at any time using the information display.

The system display is in four stages as follows:

1. All new recognizable traffic signs will appear brighter than the other traffic signs in the display.
2. After a predetermined time they will be shown normally.
3. After a predetermined distance they will be shown greyed out.
4. After another predetermined distance they will be deleted.


If the system detects a supplementary traffic sign, this sign is indicated as a box 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.


ACTIVE CITY STOP


Principle of Operation


WARNINGS


 You are responsible for controlling your vehicle at all times. The system does not relieve you of your responsibility to drive with due care and attention. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.


 To achieve full system performance you must break in the braking system. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 If the system applies the brakes and the engine stops the hazard warning flashers will automatically turn on. Failure to take care may lead to a crash or personal injury.


 The system does not react to cyclists, motorcyclists, pedestrians, animals or vehicles that are driving in a different direction. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.


 The system does not operate during harsh acceleration or steering. Failure to take care may lead to a crash or personal injury.


 The system may not operate during cold or severe weather conditions. Snow, ice, heavy rain and spray can influence the system. Keep the hood free of snow and ice. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.


 The system may not operate when driving around sharp curves. Failure to take care may lead to a crash or personal injury.

WARNINGS

 The system may not operate correctly if you replace the windshield with a non-Ford windshield. Do not carry out windshield repairs in front of the sensor. Failure to adhere to this warning may lead to an accident or injury.

 The system may not detect objects with surfaces that absorb reflections. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 The system will not operate correctly if the sensor is blocked. Keep the windshield free from obstructions, for example, bird droppings, insects, snow or ice. Failure to adhere to this warning may lead to an accident or injury.

 When you switch the ignition on the sensor transmits a laser beam. Never look directly into the sensor. There is a risk of eye injury.

The sensor is on the rear of the interior mirror. It continuously monitors conditions to decide when to intervene.

The system operates at speeds below approximately 31 mph (50 km/h) by applying the brakes if it detects that a crash is likely. If the system applies the brakes a message will appear in the information display.

The system may reduce the risk of a low speed crash into another vehicle. It also helps reduce impact damage or may avoid the crash completely.

Note: *You must depress the brake pedal to obtain full braking force.*

Switching the System Off and On

You can switch this feature off using the information display controls. See **General Information** (page 75).

Driving Aids

Note: The system automatically turns on every time you switch the ignition on.

In certain situations we recommend that you switch the system off, for example:

- Driving off-road when objects may cover the windshield.
- Driving through a car wash facility.

ECO MODE

This system assists you in driving more efficiently by constantly monitoring characteristics of gear changing, anticipation of traffic conditions and speeds while driving.

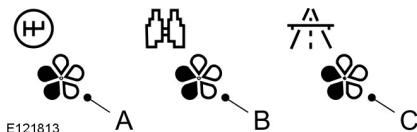
The value of these characteristics is represented by petals shown in the display, with five petals being the most efficient. The more efficiently you drive, the better the rating, and the better your vehicle's overall fuel economy.

Note: These efficiency values do not result in a defined fuel consumption figure. It might vary as it is not only related to these driving habits, but also influenced by many other factors such as short trips and cold starts.

Note: Frequent short trips, where the engine does not fully warm up, will also increase fuel consumption

The system is accessed using the information display control. See **General Information** (page 75).

Type 1



- A Gear shifting
- B Anticipation
- C Efficient speed

Gear shifting

Use the highest drivable gear appropriate for the road conditions to improve fuel consumption.

Anticipation

Adjust your vehicle speed and the distance to other vehicles to avoid the need for heavy braking or acceleration to improve fuel economy.

Efficient speed

Reduce your cruising speed on open roads to improve economy. Higher speeds use more fuel.

Type 2 and 3

The relevant information is shown in the display.

Resetting Eco Mode

Reset the average fuel consumption by using the information display control.

Note: New values may take a short time to calculate

Driving Aids

COLLISION WARNING SYSTEM

PRINCIPLE OF OPERATION

WARNINGS



This system is designed to be a supplementary driving aid. It is not intended to replace your attention, and judgment, or the need to apply the brakes. Failure to press the brake pedal to activate the brakes may result in a collision.



Never wait for a crash warning. When driving you are responsible for maintaining the correct distance and speed, even when the system is used.

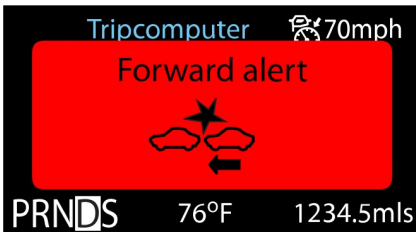
Note: The system does not detect, warn or respond to potential collisions with vehicles to the rear or sides of the vehicle.

Note: The collision warning system is active at speeds above approximately 5 mph (8 km/h).



E156130

The system is designed to assist you by warning you of the risk of a crash with the vehicle in front of you. The system is designed to alert you by warning chimes and a visual warning in the information display.



E190002

Brake support is turned on to enable full braking effectiveness and reduce the severity of a crash with the vehicle in front of you.

Using the Collision Warning System

WARNING



The collision warning system's brake support can only help reduce the speed at which a collision occurs. The brake pedal must be pressed just like any typical braking situation.

Distance Alert

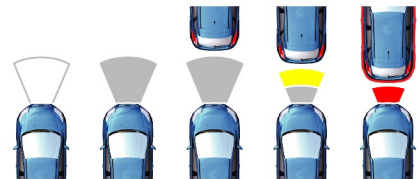


If the distance to the lead vehicle is small, the red warning lamp will illuminate in the instrument cluster.

Note: The warning lamp is small and below the Distance Indication graphic. It does not flash when Distance Alert is active.

Distance Indication

Distance Indication provides a graphical indication of the time gap to other vehicles traveling in the same direction. The information display will show one of the graphics below in color.



E190004

Driving Aids

Key: Left to right.

Outline - Stand by.

Grey, no object - No object detected or object outside of Distance Indication range.

Grey, with object - Object detected or object within Distance Indication range.

Yellow, with object - Early Distance Indication warning threshold.

Red, with object - Final Distance Indication warning threshold.

Note: *Distance Alert and Distance Indication turns off when adaptive cruise control is switched on. The Distance Indication graphics do not display in the information display unless adaptive cruise control is switched off.*

Adjusting Pre-Collision Assist Settings

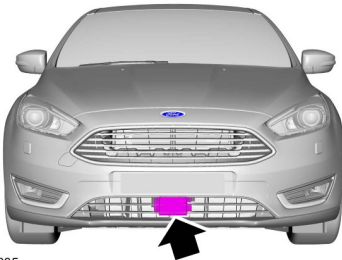
If collision warnings are perceived as being too frequent, the warning sensitivity can be reduced, we recommend using the highest sensitivity setting where possible. Setting lower sensitivity would lead to fewer and later system warnings.

You can adjust the Collision Warning and Distance Alert sensitivity to one of three possible settings by using the information display control. You can also switch the Distance Indication function off using the information display controls. See **General Information** (page 75).

Distance Alert sensitivity

Speed	Sensitivity	Graphic	Distance gap	Time gap
62 mph (100 km/h)	Normal	Grey	Greater than 82 ft (25 m)	Greater than 0.9 seconds
62 mph (100 km/h)	Normal	Yellow	Between 56 ft (17 m) and 82 ft (25 m)	Between 0.6 and 0.9 seconds
62 mph (100 km/h)	Normal	Red	Less than 56 ft (17 m)	Less than 0.6 seconds

Blocked Sensors



E190005

The sensors are located at the center of the lower grille.

If a message regarding a blocked sensor appears in the information display, the radar signals from the sensor have been obstructed. When the sensors are obstructed, a vehicle ahead cannot be detected and the collision warning system does not function. The following table lists possible causes and actions for this message being displayed.

Driving Aids

Cause	Action
The surface of the radar in the grille is dirty or obstructed in some way	Clean the grille surface in front of the radar or remove the object causing the obstruction
The surface of the radar in the grille is clean but the message remains in the display	Wait a short time. It may take several minutes for the radar to detect that it is no longer obstructed
Heavy rain, spray, snow, or fog is interfering with the radar signals	The collision warning system is temporarily disabled. Collision warning should automatically reactivate a short time after the weather conditions improve
Swirling water, or snow or ice on the surface of the road may interfere with the radar signals	The collision warning system is temporarily disabled. Collision warning should automatically reactivate a short time after the weather conditions improve

System Limitations

WARNING



The collision warning system's brake support can only help reduce the speed at which a collision occurs. The brake pedal must be pressed just like any typical braking situation.

Due to the nature of radar technology, there may be certain instances where vehicles do not provide a collision warning. These include:

- Stationary vehicles or vehicles moving below 6 mph (10 km/h).
- Pedestrians or objects in the roadway.
- Oncoming vehicles in the same lane.
- Severe weather conditions (see blocked sensor section).
- Debris build-up on the grille near the headlamps (see blocked sensor section).







- Small distance to vehicle ahead.
- Steering wheel and pedal movements are large (very active driving style).

If the front end of the vehicle is hit or damaged, the radar sensing zone may be altered causing missed or false collision warnings. See your authorized dealer to have your collision warning radar checked for proper coverage and operation.

Load Carrying

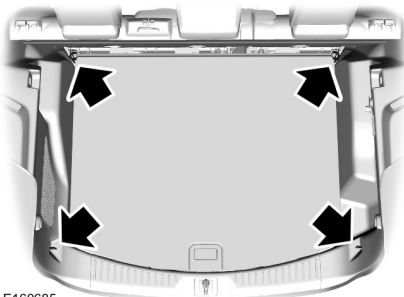
GENERAL INFORMATION

WARNINGS

-  Use load securing straps to an approved standard, e.g. DIN.
-  Make sure that you secure all loose items properly.
-  Place luggage and other loads as low and as far forward as possible within the luggage or loadspace.
-  Do not drive with the liftgate or rear door open. Exhaust fumes may enter your vehicle.
-  Do not exceed the maximum front and rear axle loads for your vehicle. See **Vehicle Identification Plate** (page 249).
-  Do not allow items to contact the rear windows.

Note: When loading long objects in to your vehicle, for example pipes, timber or furniture be careful not to damage the interior trim.

LUGGAGE ANCHOR POINTS



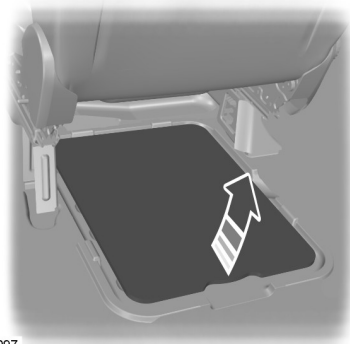
E160685

Luggage Retention Nets

Note: Your vehicle does not have luggage retention net anchor points fitted behind the first or second row seats.

REAR UNDER FLOOR STORAGE

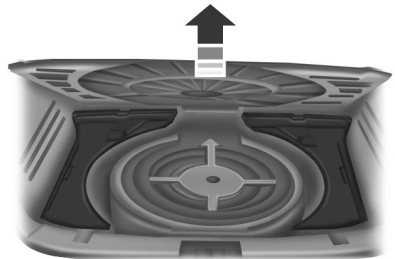
Passenger Compartment Floor



E78097

The under floor storage compartment is located behind the front passenger seat.

Cargo Management System (if Equipped)

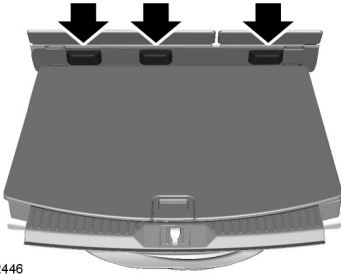


E142445

The system is located in the floor of the cargo area. Lift the handle to open.

Load Carrying

Adjustable Load Floor (If Equipped)



E142446

Vehicles with the standard size spare tire can adjust the load floor to two positions. The front of the load floor can be placed either on (for high position) or below (for low position) the ledges behind the rear seats. The rear of the load floor always sits on the two small shelves located on the liftgate trim.

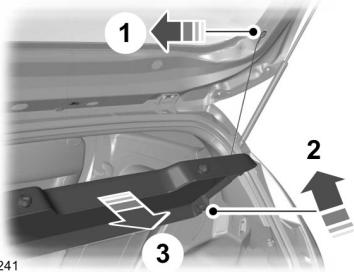
LUGGAGE COVERS

WARNING



Do not place objects on the luggage cover.

Removing the Cover



E174241

ROOF RACKS AND LOAD CARRIERS

WARNINGS



If you use a roof rack, the fuel consumption of your vehicle will be higher and you may experience different driving characteristics.



Read and follow the manufacturer's instructions when you are fitting a roof rack.



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.

The maximum recommended load, evenly distributed on the roof rack, is:

- 165 pounds (75 kilograms) for vehicles without a moonroof
- 132 pounds (60 kilograms) for vehicles with a moonroof.

Note: *Never place loads directly on the roof panel. The roof panel is not designed to directly carry a load.*

For correct roof rack system function, you must place loads directly on crossbars affixed to the roof rack side rails. When using the roof rack system, we recommend you use Ford Genuine Accessory crossbars designed specifically for your vehicle.

Make sure that you securely fasten the load. Check the tightness of the load before driving and at each fuel stop.

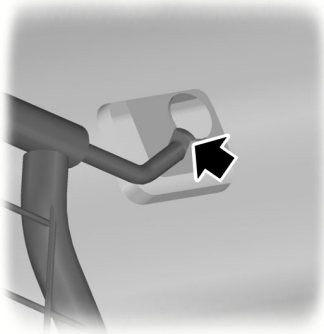
Load Carrying

DOG GUARD

CAUTION

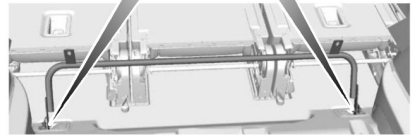
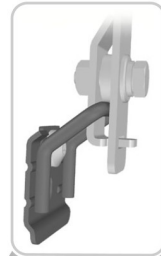
- ⚠ Keep a distance of at least one centimeter between the dog guard and the seats in front of it.

Installing behind the front seats



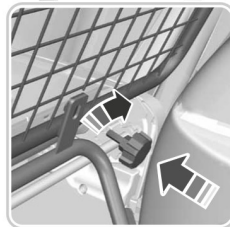
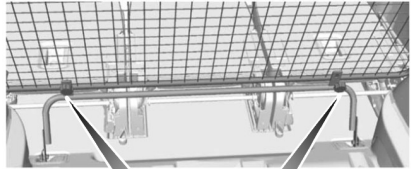
E86848

1. Push the ends of the bar on the grille towards each other and insert them into the retainers on the roof. Push the bar forwards into the narrow section of the retainers.



E87782

2. Attach the dog guard to the lower anchor points. Do not tighten the screws.

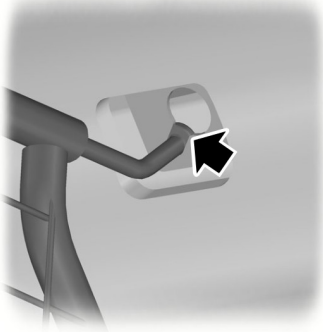


E87783

3. Attach the grille to the lower bar with the handwheels. Do not tighten the handwheels.
4. Tighten the screws at the lower anchor points.
5. Tighten the handwheels.

Load Carrying

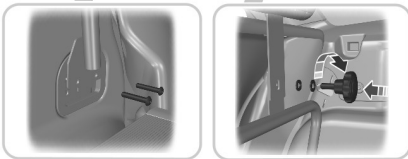
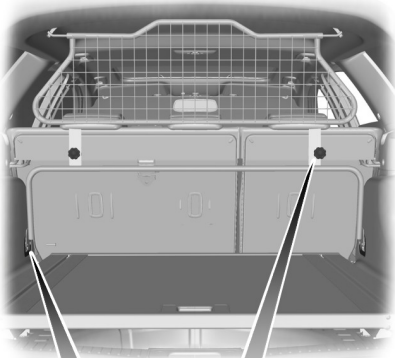
Installing behind the rear seats



E86848

1. Push the ends of the bar on the grille towards each other and insert them into the retainers on the roof. Push the bar forwards into the narrow section of the retainers.

2. Remove two screws from both the luggage anchor points. See **Luggage Anchor Points** (page 172).
 3. Attach the lower bar to the grille with the handwheels. Do not tighten the handwheels.
 4. Attach the dog guard lower bar to the luggage anchor points, secure with the new supplied screws.
 5. Tighten the handwheels.
- Remove in the reverse order.



E104424

Towing

TOWING A TRAILER

WARNINGS



Do not exceed 62 mph (100 km/h).



The rear tire pressures must be increased by 2.9 psi (0.2 bar) above specification. Do not exceed the maximum pressure stated on the tire sidewall. This could cause serious personal injury. See **Wheels and Tires** (page 224).



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 249).



Do not exceed the maximum permissible trailer 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 245).



The anti-lock brake system does not control the trailer brakes.

When towing a trailer:

- Obey country specific regulations for towing a trailer.
- Do not exceed 62 mph (100 km/h) 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 unloaded vehicle, you should place the load in your trailer toward the front, within the maximum vertical load, as this gives the best stability. See **Capacities and Specifications** (page 245).

- The trailer 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 245).
- Reduce speed immediately if the trailer shows any sign of swaying. See **Trailer Sway Control** (page 177).
- Use a low gear when descending a steep downhill gradient.

Note: *The maximum permissible trailer vertical weight on the trailer identification plate is the trailer manufacturer's testing value. The vehicle maximum permissible trailer vertical weight may be lower.*

The stability of your vehicle-to-trailer combination depends on the quality of the trailer.

Towing a trailer changes the handling characteristics of your vehicle and increases stopping distances. Adapt your speed and driving behavior according to the trailer load.

The gross train weight stated on the vehicle identification plate applies for road gradients up to 12% and altitudes up to 3,281 ft (1,000 m) when towing a trailer. In mountainous regions the engine performance decreases due to lower air density with increasing altitude. In high altitude regions above 3,281 ft (1,000 m), you should reduce the stipulated maximum permitted gross train weight by 10% for every additional 3,281 ft (1,000 m).

Note: *Not all vehicles are suitable or approved to have a tow bar fitted. Ask an authorized dealer for more information.*

Towing

TRAILER SWAY CONTROL

If the trailer begins to sway the stability control warning lamp flashes in the information display. The system applies the brakes to the individual wheels and reduces engine torque to aid vehicle stability.

Stop your vehicle as soon as it is safe to do so. Check the vertical weight on the tow ball and trailer load distribution. See **Capacities and Specifications** (page 245). See **Load Carrying** (page 172).

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.*

TOW BALL

WARNINGS



When not in use, always transport the tow ball arm securely fastened in the luggage compartment.



Take special care when fitting the tow ball arm as the safety of your vehicle and the trailer depends on this.



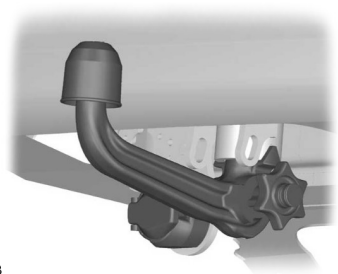
Do not use any tools for mounting or dismounting the tow ball arm.



Do not modify the trailer coupling.



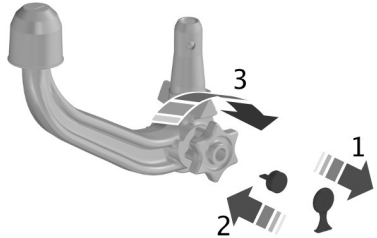
Do not disassemble or repair the tow ball arm.



E71328

A 13-pin trailer socket and the tow ball arm seat are provided under the rear bumper. Turn the trailer socket down through 90 degrees until it engages in the end position.

Unlocking the Tow Ball Arm Mechanism



E71329

1. Remove the protecting cap.
2. Insert the key and turn it counterclockwise to unlock.
3. Hold the tow ball arm. Pull the handwheel out and turn it clockwise until it clicks.

Note: *The red mark on the handwheel must align with the white dot on the tow ball.*

4. Release the handwheel. The tow ball arm is unlocked.

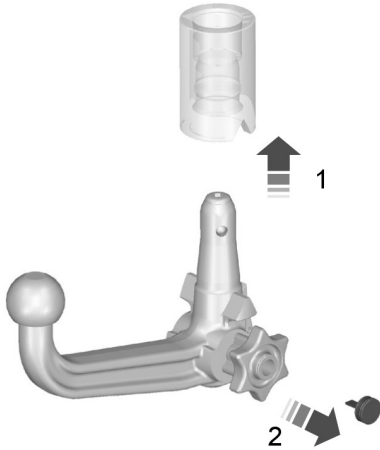
Towing

Inserting the Tow Ball Arm

WARNING



The tow ball arm may only be inserted when completely unlocked.



E71330

Note: Pull out the plug.

1. Insert the tow ball arm vertically and press it upward until it engages.

Note: Do not hold your hand near the handwheel.

Note: The green mark on the handwheel must align with the white dot on the tow ball.

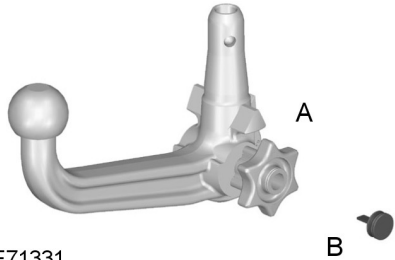
2. Turn the key clockwise and remove the key to lock the tow ball.
3. Pull the protecting cap from the key bow and press it onto the lock.

Driving with a Trailer

WARNING



If any of the below conditions cannot be met, do not use the tow bar and have it checked by an authorized dealer.



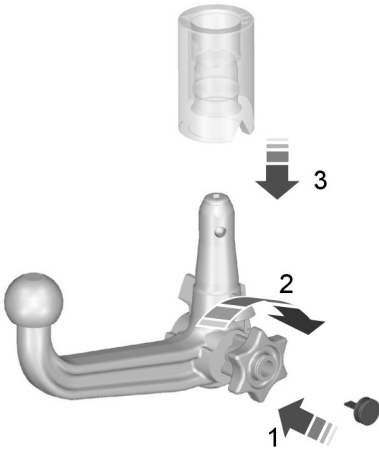
E71331

Before starting your journey, make sure that the tow ball arm is correctly locked. Check that:

- the green mark on the handwheel is aligned with the white dot on the tow ball
- the handwheel (A) is correctly fitted to the tow ball arm
- you have removed the key (B)
- the tow ball arm is securely positioned.

Towing

Removing the Tow Ball Arm



E71332

Note: *Unhitch the trailer.*

1. Remove the protecting cap. Insert the key and unlock.
2. Hold the tow ball arm. Pull the handwheel out, turn it clockwise against the stop.
3. Remove the tow ball arm.
4. Release the handwheel.

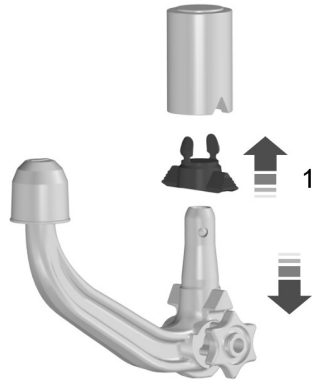
When unlocked in this way, the tow ball arm can be reinserted at any time.

Driving without a Trailer

WARNING



Never unlock the tow ball arm with the trailer attached.



E94771

Remove the tow ball arm. Insert the plug into its seat (1).

Maintenance

WARNING



Remove the tow ball arm and protect the seat with the plug before steam cleaning your vehicle.

Keep the system clean. Periodically lubricate bearings, sliding surfaces, and locking balls with resin-free grease or oil and the lock with graphite.

In case of loss, replacement keys are available from the manufacturer by stating the number on the lock cylinder.

TOWING POINTS

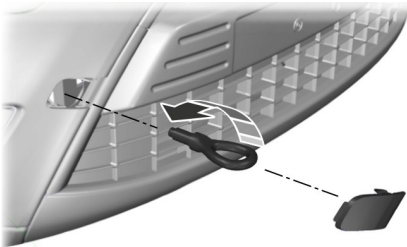
WARNING



The towing eye has a left-hand thread. Turn it counterclockwise to install it. Make sure that the towing eye is fully tightened.

Towing

Front Towing Eye

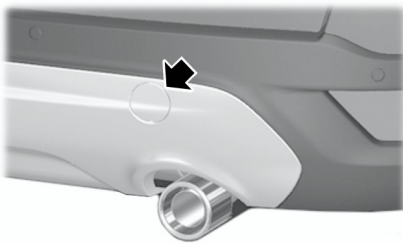


E99490

Space is provided in the spare wheel well. You must carry the towing eye in your vehicle at all times.

Remove the cover and install the towing eye.

Rear Towing Eye








E152139

Note: If your vehicle has a tow bar, you cannot install the towing eye at the rear of your vehicle. Use the tow bar to tow other vehicles.

TOWING THE VEHICLE ON FOUR WHEELS - MANUAL TRANSMISSION

WARNINGS

-  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.
-  The brake and steering assistance will not operate unless the engine is running. Press the brake pedal harder and allow for increased stopping distances and heavier steering. Failure to take care may lead to a crash or personal injury.
-  If your vehicle has a steering wheel lock, make sure the ignition is in the accessory or on position when being towed.
-  Too much tension on a tow rope could cause damage to your vehicle or the vehicle that is towing.
-  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 that is being towed.

You must only use the towing eye that was delivered with your vehicle. See **Towing Points** (page 179).

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

The weight of the vehicle that is being towed must not exceed the weight of the towing vehicle.

Do not exceed 30 mph (50 km/h). See **Towing the Vehicle on Four Wheels** (page 180).

TOWING THE VEHICLE ON FOUR WHEELS - AUTOMATIC TRANSMISSION

WARNINGS



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.



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.



The brake and steering assistance will not operate unless the engine is running. Press the brake pedal harder and allow for increased stopping distances and heavier steering. Failure to take care may lead to a crash or personal injury.



Too much tension on a tow rope could cause damage to your vehicle or the vehicle that is towing.

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. 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 **Transmission** (page 128).
- Maximum speed is 30 mph (50 km/h).
- Maximum distance is 50 mi (80 km).

Note: *If you need to exceed a speed of 30 mph (50 km/h) and a distance of 50 mi (80 km) while towing, you must lift the drive wheels clear of the ground.*

Note: *We recommend you do not tow with the drive wheels on the ground. However, if it is required to move the vehicle from a dangerous location, do not tow your vehicle faster than 30 mph (50 km/h) or farther than 50 mi (80 km).*

WARNING



In the event of a mechanical failure of the transmission, do not use individual axle carriers. All wheels must be lifted clear of the ground on a level platform.

Drive off slowly and smoothly without jerking the vehicle that is being towed.

You must only use the towing eye that was delivered with your vehicle. See **Towing Points** (page 179).

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.

Towing

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.

Driving Hints

BREAKING-IN

Tires

WARNING



New tires need to be run-in for approximately 300 miles (500 kilometers). During this time, you may experience different driving characteristics.

Brakes and Clutch

WARNING



Avoid heavy use of the brakes and clutch if possible for the first 100 miles (150 kilometers) in town and for the first 1000 miles (1500 kilometers) on freeways.

Engine

WARNING



Avoid driving too fast during the first 1000 miles (1500 kilometers). Vary your speed frequently and change up through the gears early. Do not labor the engine.

Vehicles With a Diesel Engine

During the first 2000 miles (3000 kilometers), you may notice a ticking sound when your vehicle slows down. This is due to adjustments of your new diesel engine and is normal.

REDUCED ENGINE PERFORMANCE

WARNING



Continued operation will increase the engine temperature and cause the engine to shut down completely.

If the engine coolant temperature gauge needle moves to the upper limit position, the engine is overheating. See **Warning Lamps and Indicators** (page 71).

You must only drive your vehicle for a short distance if the engine overheats. The distance you can travel depends on ambient temperature, vehicle load and terrain. The engine will continue to operate with limited power for a short time.

If the engine temperature continues to rise, the fuel supply to the engine will reduce. The air conditioning will switch off and the engine cooling fan will operate continually.

1. Reduce your speed gradually and stop your vehicle as soon as it is safe to do so.
2. Switch the engine off immediately to prevent severe engine damage.
3. Wait for the engine to cool down.
4. Check the coolant level. See **Engine Coolant Check** (page 212).
5. Have your vehicle checked by an authorized dealer as soon as possible.

ECONOMICAL DRIVING

The following will help to improve fuel consumption.

Tire Pressures

Check your tire pressures regularly to optimize fuel economy. For best results use the economy pressures. See **Tire Pressures** (page 239).

Gear Shifting

Use the highest drivable gear appropriate for the road conditions.

Driving Hints

Anticipation

Adjust your vehicle speed and the distance to other vehicles without the need for heavy braking or acceleration.

Efficient Speed

Higher speeds use more fuel. Reduce your cruising speed on open roads.

Accessories

Try not to add unnecessary accessories to the exterior of your vehicle. If you use a roof rack, remember to fold it down or remove it when not in use.

Electrical Systems

Switch off all electrical systems when not in use, for example air conditioning. Make sure you unplug any accessories from the auxiliary power points when not in use.

COLD WEATHER PRECAUTIONS

The functional operation of some components and systems can be affected at temperatures below -13°F (-25°C).

DRIVING THROUGH WATER

WARNING

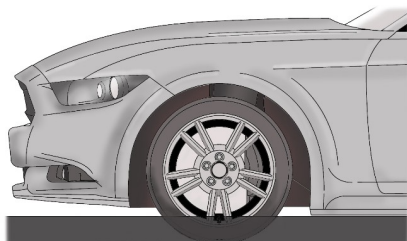


Do not drive through flowing or deep water as you may lose control of your vehicle.

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 front rocker area of your vehicle.



E176360

When driving through standing water, drive very slowly and do not stop your vehicle. Your brake performance and traction may 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.
- Check that the horn works.
- Check that the exterior lights work.
- Turn the steering wheel to check that the steering power assist works.

FLOOR MATS

WARNINGS




Always use floor mats that are designed to fit the foot well of your vehicle. Only use floor mats that leave the pedal area unobstructed. Only use floor mats that are firmly secured to retention posts so that they cannot slip out of position and interfere with the pedals or impair safe operation of your vehicle in other ways.





Pedals that cannot move freely can cause loss of vehicle control and increase the risk of serious personal injury.


Driving Hints


WARNINGS


 Always make sure that the floor mats are properly attached to the retention posts in the carpet that are supplied with your vehicle. Floor mats must be properly secured to both retention posts to make sure mats do not shift out of position.

 Never place floor mats or any other covering in the vehicle foot well that cannot be properly secured to prevent them from moving and interfering with the pedals or the ability to control the vehicle.

 Never place floor mats or any other covering on top of already installed floor mats. Floor mats should always rest on top of vehicle carpeting surface and not another floor mat or other covering. Additional floor mats or any other covering will reduce the pedal clearance and potentially interfere with pedal operation.

 Check attachment of floor mats on a regular basis. Always properly reinstall and secure floor mats that have been removed for cleaning or replacement.

 Always make sure that objects cannot fall into the driver foot well while the vehicle is moving. Objects that are loose can become trapped under the pedals causing a loss of vehicle control.

 Failure to properly follow floor mat installation or attachment instructions can potentially cause interference with pedal operation causing a loss of vehicle control.



E142666

To install floor mats, position the floor mat so that the eyelet is over the retention post and press down to lock in.

To remove the floor mat, reverse the installation procedure.

Roadside Emergencies

HAZARD WARNING FLASHERS



The hazard warning button is located on the instrument panel. Use it when your vehicle is creating a safety hazard for other motorists.

Press the button to turn on the hazard warning function, and the front and rear direction indicators will flash.

Press the button again to turn them off.

Note: *If used when the engine is not running, the battery will lose charge. There may be insufficient power to restart your engine.*

Note: *Depending on applicable laws and regulations in the country for which your vehicle was originally built, the hazard warning flashers may flash if you brake heavily.*

FIRST AID KIT

The first aid kit can be stowed under the front passenger seat or in the luggage compartment.

WARNING TRIANGLE

The warning triangle can be stowed under the front passenger seat.

FUEL SHUTOFF

WARNING



Failure to inspect and, if necessary, repair fuel leaks after a collision may increase the risk of fire and serious injury. Ford Motor Company recommends that the fuel system be inspected by an authorized dealer after any collision.

In the event of a moderate to severe collision, this vehicle includes a fuel pump shutoff feature that stops the flow of fuel to the engine. Not every impact will cause a shutoff.

Should your vehicle shut off after a collision, you may restart your vehicle. For vehicles equipped with a key system:

1. Switch off the ignition.
2. Switch on the ignition.
3. Repeat Steps 1 and 2 to re-enable the fuel pump.

For vehicles equipped with a push button start system:

1. Press the **START/STOP** button to switch off the ignition.
2. Press the brake pedal and press the **START/STOP** button to start the vehicle.
3. Remove your foot from the brake pedal and press the **START/STOP** button to switch off the ignition.
4. You can either attempt to start the engine by pressing the brake pedal and the **START/STOP** button, or switch on the ignition only by pressing the **START/STOP** button without pressing the brake pedal. Both ways re-enable the fuel system.




Note: *When you try to restart your vehicle after a fuel shutoff, the vehicle makes sure that various systems are safe to restart. Once your vehicle determines that the systems are safe, then the vehicle will allow you to restart.*

Note: *In the event that your vehicle does not restart after your third attempt, contact an authorized dealer.*

Roadside Emergencies

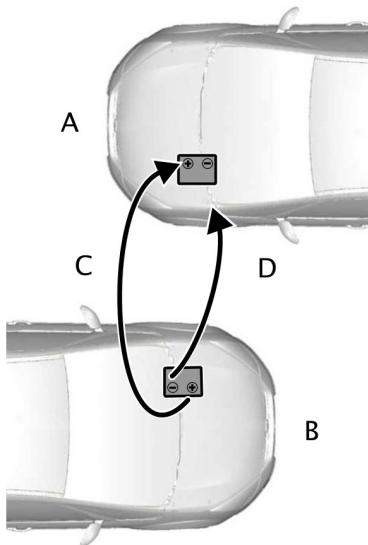
JUMP STARTING THE VEHICLE

WARNINGS

-  Do not use fuel lines, engine rocker covers or the intake manifold as grounding points.
-  Connect batteries with only the same nominal voltage.
-  Always use booster cables with insulated clamps and adequate size cable.

Note: Do not disconnect the battery from your vehicle's electrical system.

To Connect the Booster Cables

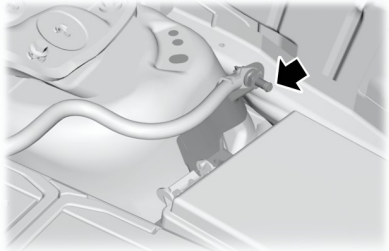


E102925

- A Flat battery vehicle
- B Booster battery vehicle

- C Positive connection cable
- D Negative connection cable



1. Position the vehicles so that they do not touch one another.
2. Switch off the engine and any electrical equipment.
3. Connect the positive (+) terminal of vehicle B with the positive (+) terminal of vehicle A (cable C).



E152134

4. Connect the negative (-) terminal of vehicle B to the ground connection of vehicle A (cable D).

WARNINGS

-  Do not connect directly to the negative (-) terminal of the flat battery.
-  Make sure that the cables are clear of any moving parts and fuel delivery system parts.

To Start the Engine

1. Run the engine of vehicle B at a moderately high speed.
2. Start the engine of vehicle A.
3. Run both vehicles for a minimum of three minutes before disconnecting the cables.

Roadside Emergencies

WARNING



Do not switch the headlamps on when disconnecting the cables. The peak voltage could blow the bulbs.

Disconnect the cables in the reverse order.

POST-CRASH ALERT SYSTEM

The system flashes the direction indicator lamps in the event of a serious impact that deploys an airbag (front, side, side curtain or Safety Canopy) or the safety belt pretensioners.

The lamps turn off when:

- You press the hazard control button.
- You press the panic button (if equipped) on the remote entry transmitter.
- Your vehicle runs out of power.

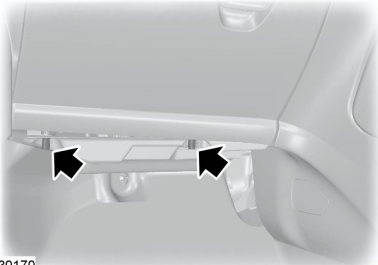
Fuses

FUSE BOX LOCATIONS

Engine Compartment Fuse Box

This fuse box is located in the engine compartment. See **Under Hood Overview** (page 202).

Passenger Compartment Fuse Box



E130170

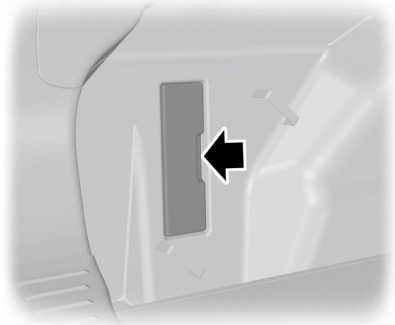


E130171

1. Pinch the retaining clips to release the cover.
2. Lower the fuse box cover and pull it towards you.

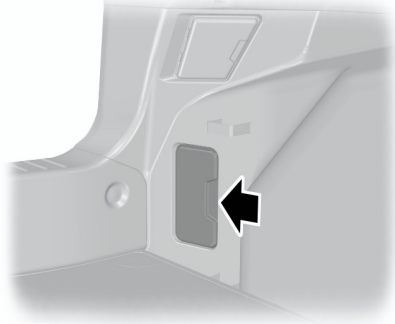
Install in the reverse order.

Luggage Compartment Fuse Box Sedan



E135336

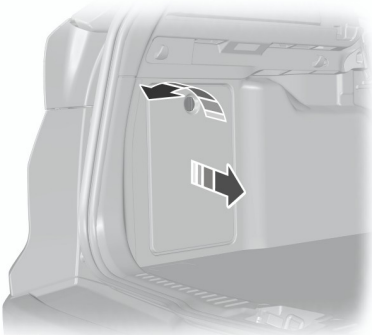
Five-door



E135337

Fuses

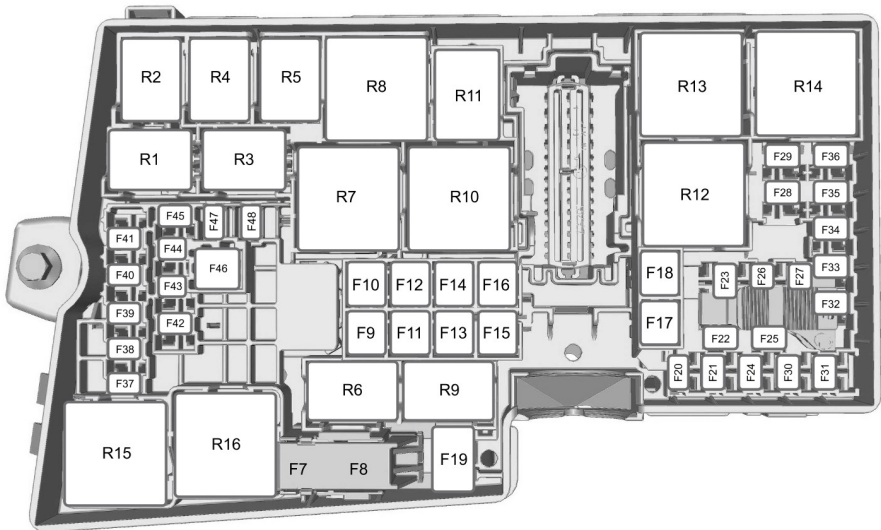
Wagon



E135338

FUSE SPECIFICATION CHART

Engine Compartment Fuse Box



E129925

Fuses

Fuse	Fuse rating	Circuits protected
F7	40A**	Anti-lock brake system. Electronic stability program.
F8	30A**	Electronic stability program.
F9	40A**	Luggage compartment fuse box.
F10	40A**	Blower motor.
F11	30A**	Auto-Start-Stop module.
F12	30A**	Powertrain control module.
F13	30A**	Starter relay.
F14	40A**	Right-hand heated windshield element.
F15	25A**	Transmission control module. Intercooler fan.
F16	40A**	Left-hand heated windshield element.
F17	20A**	Auxiliary heater.
F18	20A**	Windshield wipers.
F19	5A*	Anti-lock brake system. Electronic stability program.
F20	15A*	Horn.
F21	5A*	Brake lamps.
F22	15A*	Battery monitor system.
F23	5A*	Relay coils. Lighting control.
F24	-	Not used.
F25	-	Not used.
F26	25A*	Transmission control module.
F27	15A*	Air conditioning clutch.

Fuses

Fuse	Fuse rating	Circuits protected
F28	10A*	Rear view camera. Collision warning system.
F29	20A*	Headlamp washer.
F30	5A*	Powertrain control module.
F31	-	Not used.
F32	10A*	Powertrain control module relay. Cooling fan module relay.
F33	15A*	Powertrain control module. Ignition coils.
F34	10A*	Powertrain control module.
F35	10A*	Water-in-fuel sensor. Powertrain control module. Ignition coils.
F36	5A*	Active grill shutters.
F37	20A*	Instrument panel auxiliary power point.
F38	15A*	Powertrain control module. Transmission control module.
F39	5A*	Headlamp leveling.
F40	5A*	Electronic power assist steering.
F41	20A*	Body control module.
F42	-	Not used.
F43	15A*	Headlamp leveling. Adaptive front lighting unit.
F44	5A*	Adaptive cruise control.
F45	10A*	Heated washer nozzle.
F46	25A**	Cooling fan.

Fuses

Fuse	Fuse rating	Circuits protected
F47	-	Not used.
F48	15A*	Diesel particulate filter vaporizer.

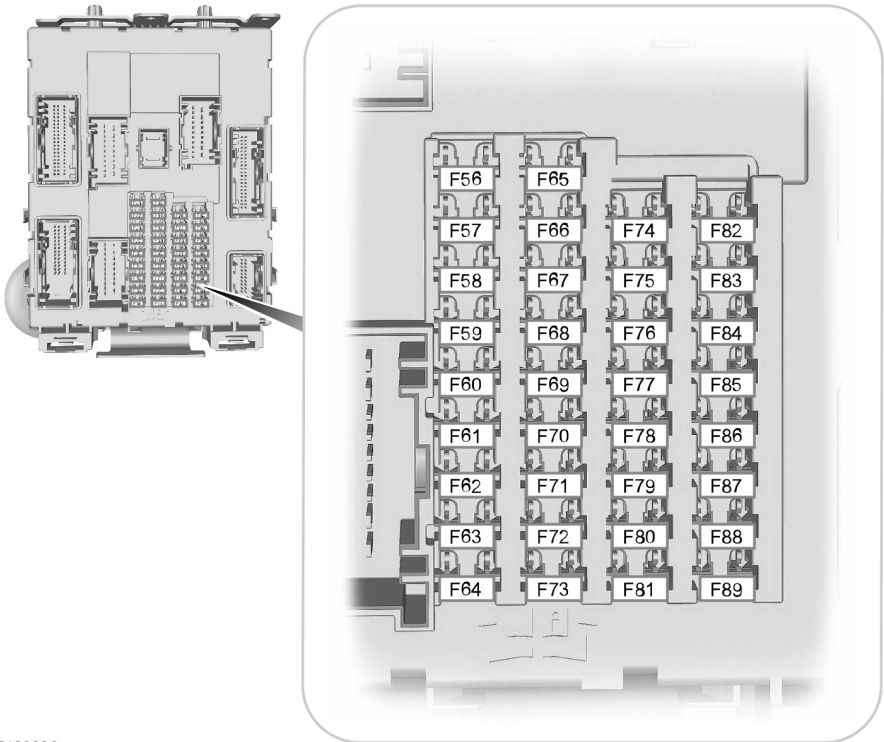
*Mini fuses

**Cartridge fuses

Relay	Circuits switched
R1	Intercooler fan.
R2	Horn.
R3	Diesel particulate filter vaporizer.
R4	Not used.
R5	Not used.
R6	Cooling fan relay.
R7	Heated windshield.
R8	Cooling fan relay.
R9	Headlamp washer.
R10	Cooling fan relay.
R11	Air conditioning clutch.
R12	Cooling fan relay.
R13	Blower motor.
R14	Engine control module.
R15	Starter motor.
R16	Ignition.

Fuses

Passenger Compartment Fuse Box



E129926

Fuse	Fuse rating	Circuits protected
F56	20A	Fuel pump.
F57	-	Not used.
F58	-	Not used.
F59	5A	Passive anti-theft transceiver.
F60	10A	Interior lighting. Driver door switch pack. Glove box lamp.

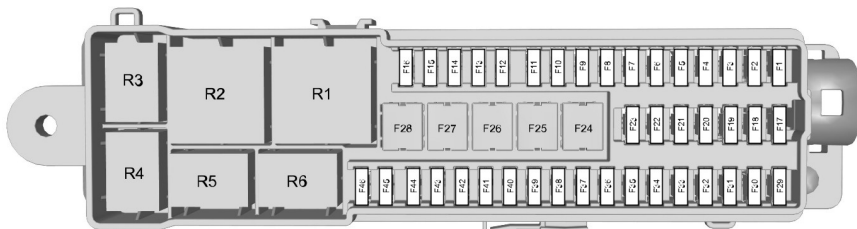
Fuses

Fuse	Fuse rating	Circuits protected
		Ambient lighting. Moonroof.
F61	20A	Cigar lighter. Rear auxiliary power points.
F62	5A	Autowipers. Humidity sensor. Auto-dimming interior mirror.
F63	10A	Adaptive cruise control.
F64	-	Not used.
F65	10A	Liftgate release.
F66	20A	Driver door lock.
F67	7.5A	SYNC module. Global positioning system module. Information and entertainment display.
F68	15A	Electric steering column lock.
F69	5A	Instrument cluster.
F70	20A	Central locking system.
F71	7.5A	Air conditioning.
F72	7.5A	Steering wheel module.
F73	7.5A	Data link connector.
F74	15A	High beam.
F75	15A	Front fog lamps.
F76	10A	Reversing lamps.
F77	20A	Windshield washer pump.
F78	5A	Ignition switch. Push button ignition switch. Keyless vehicle module.
F79	15A	Audio unit. Navigation DVD player. Hazard flasher switch. Door lock switch.

Fuses

Fuse	Fuse rating	Circuits protected
F80	20A	Moonroof.
F81	5A	Interior motion sensor. Radio frequency receiver.
F82	20A	Windshield washer pump.
F83	20A	Central locking system.
F84	20A	Driver door unlock.
F85	7.5A	Air conditioning. Moonroof. Heated seat switches. Passenger airbag deactivation switch.
F86	10A	Restraints control module. Occupant classification system.
F87	15A	Heated steering wheel.
F88	25A	Voltage quality module.
F89	-	Not used.

Luggage Compartment Fuse Box



E129927

Fuses

Fuse	Fuse rating	Circuits protected
F1	5A*	Relay coils.
F2	-	Not used.
F3	5A*	Keyless vehicle door handles.
F4	25A*	Front left door control unit.
F5	25A*	Front right door control unit.
F6	25A*	Rear left door control unit.
F7	25A*	Rear right door control unit.
F8	10A*	Anti-theft alarm.
F9	25A*	Driver seat.
F10	25A*	Power windows.
F11	25A*	Passenger seat.
F12	-	Not used.
F13	-	Not used.
F14	-	Not used.
F15	-	Not used.
F16	-	Not used.
F17	-	Not used.
F18	-	Not used.
F19	-	Not used.
F20	-	Not used.
F21	-	Not used.
F22	-	Not used.
F23	-	Not used.
F24	30A**	Heated rear window.

Fuses

Fuse	Fuse rating	Circuits protected
F25	20A**	Luggage compartment auxiliary power points.
F26	-	Not used.
F27	-	Not used.
F28	40A**	Trailer tow module.
F29	5A*	Blind spot monitor. Lane keeping system. Active City Stop. Rear view camera.
F30	5A*	Parking aid module.
F31	-	Not used.
F32	-	Not used.
F33	15A*	Rear window wiper relay.
F34	15A*	Driver heated seat.
F35	15A*	Passenger heated seat.
F36	-	Not used.
F37	-	Not used.
F38	-	Not used.
F39	-	Not used.
F40	-	Not used.
F41	5A*	Retractable tow ball.
F42	-	Not used.
F43	-	Not used.
F44	10A*	Power exterior mirrors.

Fuses

Fuse	Fuse rating	Circuits protected
F45	7.5A*	Heated exterior mirrors.
F46	-	Not used.

*Mini fuses

**Cartridge fuses

Relay	Circuits switched
R1	Ignition switch.
R2	Heated rear window.
R3	Rear window wiper.
R4	Not used.
R5	Anti-theft alarm horn.
R6	Delayed accessory power.

CHANGING A FUSE

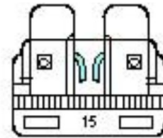
Fuses

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.

E142430



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.

Standard Fuse Amperage Rating and Color

Fuse rating	Color			
	Micro fuses	Dual micro fuses	M-type fuses	J-type fuses
5A	Tan	Tan	-	-
7.5A	Brown	Brown	-	-
10A	Red	Red	-	-

Fuses

Color				
Fuse rating	Micro fuses	Dual micro fuses	M-type fuses	J-type fuses
15A	Blue	Blue	Grey	-
20A	Yellow	-	Light Blue	Blue
25A	White	-	White	White
30A	Green	-	Pink	Pink
40A	-	-	Green	Green
50A	-	-	-	Red
60A	-	-	-	Yellow

Maintenance

GENERAL INFORMATION

Have your vehicle serviced regularly to help maintain its roadworthiness and resale value. There is a large network of Ford authorized repairers that are there to help you with their professional servicing expertise. Authorized repairers are best qualified to service your vehicle properly and expertly, with a wide range of highly specialized tools.

In addition to regular servicing, we recommend that you carry out the following checks.

WARNINGS



Switch the ignition off before touching or attempting adjustment of any kind.



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.



Keep your hands and clothing clear of the engine cooling fan. Under certain conditions, the fan may continue to run for several minutes after you have switched the engine off.



Make sure that you fit filler caps securely after carrying out maintenance checks.

Daily Checks

- Exterior lamps.
- Interior lamps.
- Warning lamps and indicators.

Check When Refueling

- Engine oil level. See **Engine Oil Check** (page 211).
- Brake fluid level. See **Brake Fluid Check** (page 213).

- Washer fluid level. See **Washer Fluid Check** (page 213).
- Tire pressures (when cold). See **Tire Pressures** (page 239).
- Tire condition. See **Wheels and Tires** (page 224).

Monthly Checks

- Engine coolant level (engine cold). See **Engine Coolant Check** (page 212).
- Pipes, hoses and reservoirs for leaks.
- Air conditioning operation.
- Parking brake operation.
- Horn operation.
- Tightness of lug nuts. See **Tire Pressures** (page 239).

OPENING AND CLOSING THE HOOD

Opening the Hood

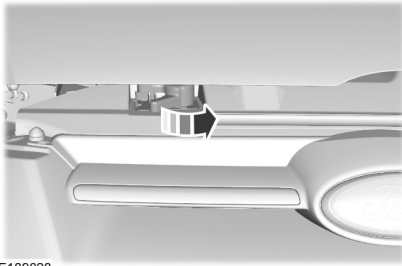
1. Pull the hood release lever.



E142457

2. Slightly lift the hood. Move the catch toward the center of your vehicle to release the hood.

Maintenance



E189028

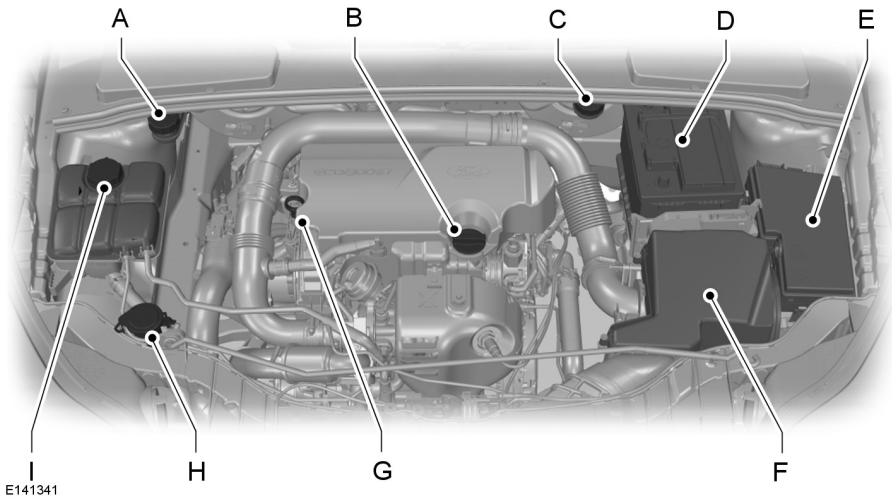
3. Open the hood and support it with the hood strut.

Closing the Hood

1. Remove the hood 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 8-12 in (20-30 cm).

Note: Make sure that the hood is correctly closed.

UNDER HOOD OVERVIEW - 1.0L ECOBOOST™



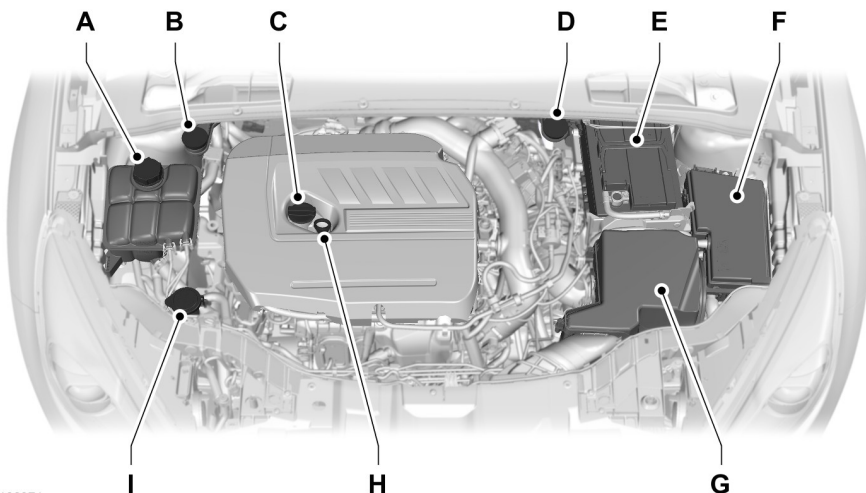
E141341

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake Fluid Check** (page 213).
- B Engine oil filler cap. See **Engine Oil Check** (page 211).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake Fluid Check** (page 213).
- D Battery. See **Changing the 12V Battery** (page 214).
- E Power distribution box. See **Fuses** (page 189).

Maintenance

- F Air filter assembly.
- G Engine oil dipstick. See **Engine Oil Dipstick** (page 210).
- H Windshield washer fluid reservoir. See **Washer Fluid Check** (page 213).
- I Engine coolant reservoir. See **Engine Coolant Check** (page 212).

UNDER HOOD OVERVIEW - 1.5L ECOBOOST™



E188071

- A Engine coolant reservoir*: See **Engine Coolant Check** (page 212).
- B Brake and clutch fluid reservoir (right-hand drive)*: See **Brake Fluid Check** (page 213).
- C Engine oil filler cap*: See **Engine Oil Check** (page 211).
- D Brake and clutch fluid reservoir (left-hand drive)*: See **Brake Fluid Check** (page 213).
- E Battery: See **Maintenance** (page 201).
- F Engine compartment fuse box: See **Fuses** (page 189).
- G Air cleaner: No maintenance necessary.

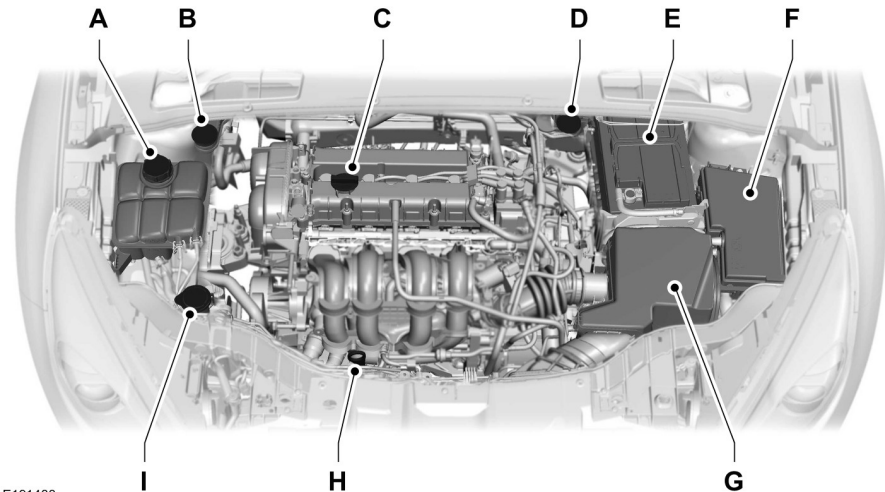
Maintenance

H Engine oil dipstick*: See **Engine Oil Check** (page 211).

I Screen washer fluid reservoir*: See **Washer Fluid Check** (page 213).

*For easy identification, filler caps and the engine oil dipstick are marked in color.

UNDER HOOD OVERVIEW - 1.6L DURATEC-16V TI-VCT (SIGMA)



E191483

A Engine coolant reservoir*: See **Engine Coolant Check** (page 212).

B Brake and clutch fluid reservoir (right-hand drive)*: See **Clutch Fluid Check** (page 213).

C Engine oil filler cap*: See **Engine Oil Check** (page 211).

D Brake and clutch fluid reservoir (left-hand drive)*: See **Clutch Fluid Check** (page 213).

E Battery: See **Jump Starting the Vehicle** (page 187).

F Engine compartment fuse box: See **Fuses** (page 189).

G Air cleaner: No maintenance necessary.

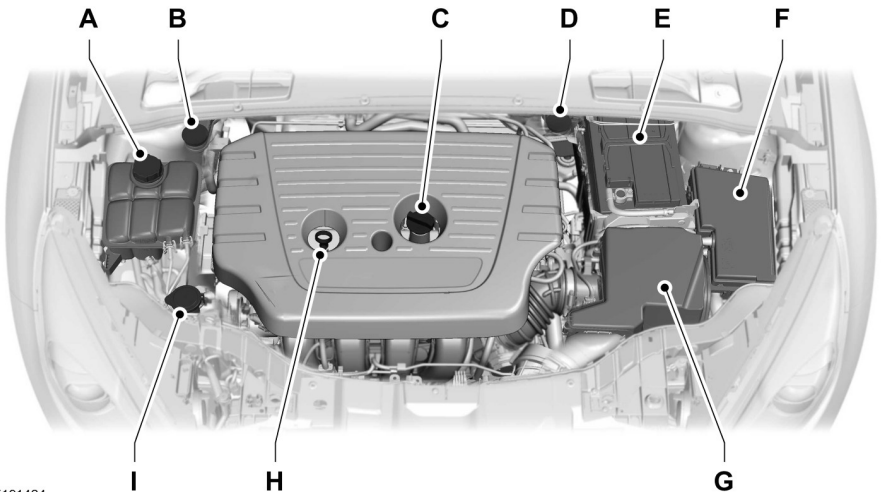
Maintenance

H Engine oil dipstick*: See **Engine Oil Check** (page 211).

I Screen washer fluid reservoir*: See **Washer Fluid Check** (page 213).

*For easy identification, filler caps and the engine oil dipstick are marked in color.

UNDER HOOD OVERVIEW - 2.0L DURATEC-HE (MI4)



E191424

A Engine coolant reservoir*: See **Engine Coolant Check** (page 212).

B Brake and clutch fluid reservoir (right-hand drive)*: See **Clutch Fluid Check** (page 213).

C Engine oil filler cap*: See **Engine Oil Check** (page 211).

D Brake and clutch fluid reservoir (left-hand drive)*: See **Clutch Fluid Check** (page 213).

E Battery: See **Jump Starting the Vehicle** (page 187).

F Engine compartment fuse box: See **Fuses** (page 189).

G Air cleaner: No maintenance necessary.

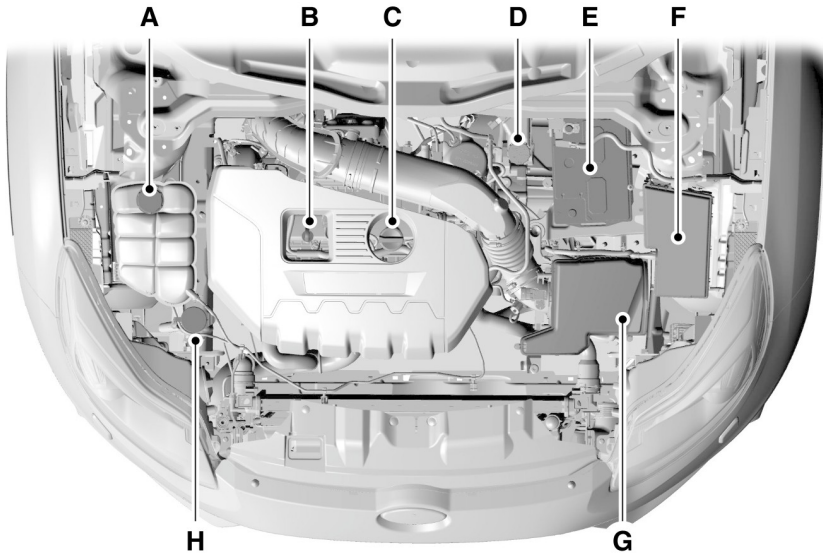
Maintenance

H Engine oil dipstick*: See **Engine Oil Check** (page 211).

I Screen washer fluid reservoir*: See **Washer Fluid Check** (page 213).

*For easy identification, filler caps and the engine oil dipstick are marked in color.

UNDER HOOD OVERVIEW - 2.0L ECOBOOST™



E180866

A Engine coolant reservoir: See **Engine Coolant Check** (page 212).

B Engine oil dipstick: See **Engine Oil Check** (page 211).

C Engine oil filler cap: See **Engine Oil Check** (page 211).

D Brake fluid reservoir: See **Brake Fluid Check** (page 213).

D Clutch fluid reservoir - Vehicles with manual transmission only: See **Clutch Fluid Check** (page 213).

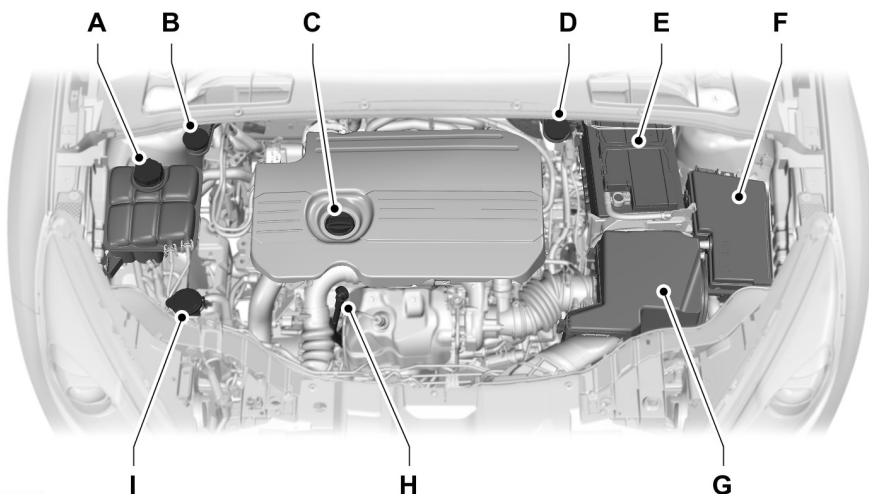
E Battery: See **Jump Starting the Vehicle** (page 187).

F Engine compartment fuse box: See **Fuses** (page 189).

Maintenance

- G Air cleaner: No maintenance necessary.
- H Washer fluid reservoir: See **Washer Fluid Check** (page 213).

UNDER HOOD OVERVIEW - 1.5L DURATORQ-TDCI DIESEL

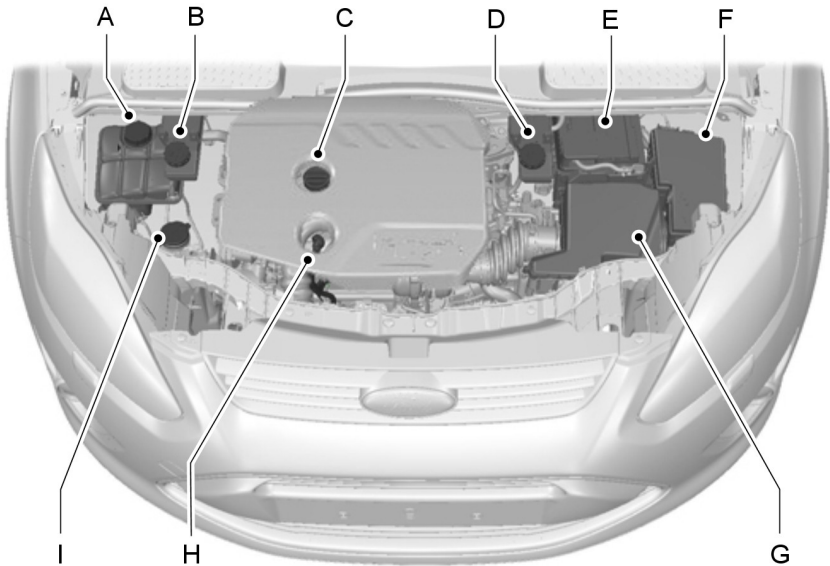


E190541

- A Engine coolant reservoir: See **Engine Coolant Check** (page 212).
- B Brake and clutch fluid reservoir (right-hand drive): See **Brake Fluid Check** (page 213).
- C Engine oil filler cap: See **Engine Oil Check** (page 211).
- D Brake and clutch fluid reservoir (left-hand drive): See **Brake Fluid Check** (page 213).
- E Battery: See **Changing the 12V Battery** (page 214).
- F Engine compartment fuse box: See **Fuses** (page 189).
- G Air cleaner: No maintenance necessary.
- H Engine oil dipstick: See **Engine Oil Dipstick** (page 211).
- I Windshield and rear window washer fluid reservoir: See **Washer Fluid Check** (page 213).

Maintenance

UNDER HOOD OVERVIEW - 1.6L DURATORQ-TDCI (DV) DIESEL



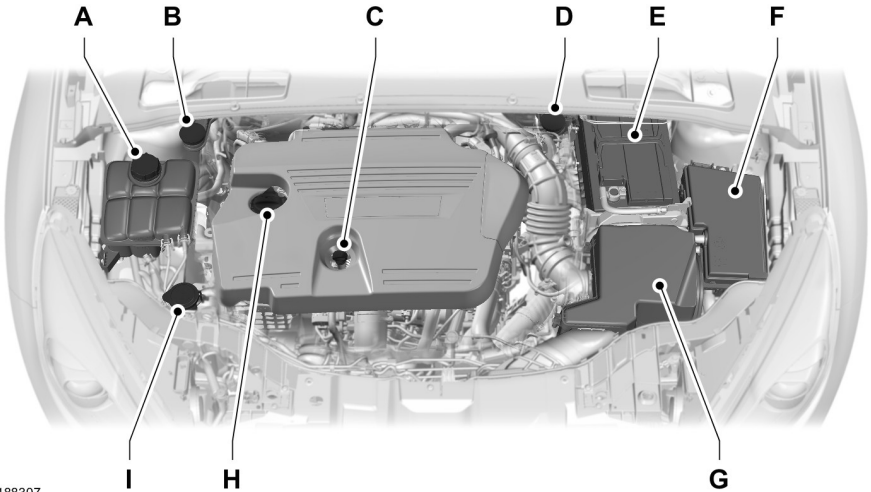
E130031

- A Engine coolant reservoir*: See **Engine Coolant Check** (page 212).
- B Brake and clutch fluid reservoir (right-hand drive)*: See **Brake Fluid Check** (page 213).
- C Engine oil filler cap*: See **Engine Oil Check** (page 211).
- D Brake and clutch fluid reservoir (left-hand drive)*: See **Brake Fluid Check** (page 213).
- E Battery: See **Maintenance** (page 201).
- F Engine compartment fuse box: See **Fuses** (page 189).
- G Air cleaner: No maintenance necessary.
- H Engine oil dipstick*: See **Engine Oil Check** (page 211).
- I Screen washer fluid reservoir*: See **Washer Fluid Check** (page 213).

*For easy identification, filler caps and the engine oil dipstick are marked in color.

Maintenance

UNDER HOOD OVERVIEW - 2.0L DURATORQ-TDCI (DW) DIESEL



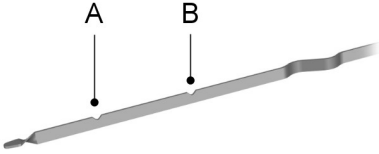
E188307

- A Engine coolant reservoir*: See **Engine Coolant Check** (page 212).
- B Brake and clutch fluid reservoir (right-hand drive)*: See **Brake Fluid Check** (page 213).
- C Engine oil dipstick*: See **Engine Oil Check** (page 211).
- D Brake and clutch fluid reservoir (left-hand drive)*: See **Brake Fluid Check** (page 213).
- E Battery: See **Maintenance** (page 201).
- F Engine compartment fuse box: See **Fuses** (page 189).
- G Air cleaner: No maintenance necessary.
- H Engine oil filler cap*: See **Engine Oil Check** (page 211).
- I Screen washer fluid reservoir*: See **Washer Fluid Check** (page 213).

*For easy identification, filler caps and the engine oil dipstick are marked in colour.

Maintenance

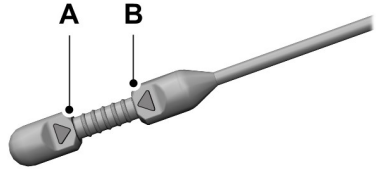
ENGINE OIL DIPSTICK - 1.0L ECOBOOST™



E141337

- A Minimum.
- B Maximum.

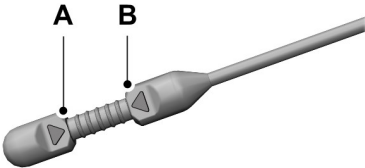
ENGINE OIL DIPSTICK - 1.6L DURATEC-16V (SIGMA)



E188072

- A Minimum.
- B Maximum.

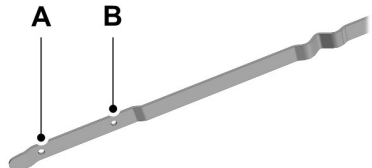
ENGINE OIL DIPSTICK - 1.5L ECOBOOST™



E188072

- A Minimum.
- B Maximum.

ENGINE OIL DIPSTICK - 2.0L DURATEC-HE (MI4)

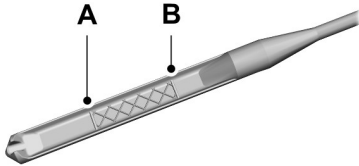


E191425

- A Minimum.
- B Maximum.

Maintenance

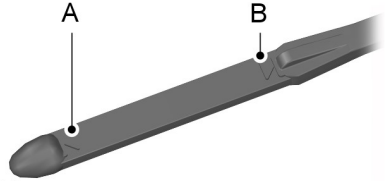
ENGINE OIL DIPSTICK - 2.0L ECOBOOST™



E191444

- A Minimum.
- B Maximum.

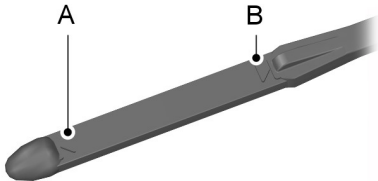
ENGINE OIL DIPSTICK - 1.6L DURATORQ-TDCI (DV) DIESEL



E95543

- A Minimum.
- B Maximum.

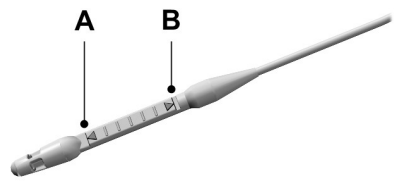
ENGINE OIL DIPSTICK - 1.5L DURATORQ-TDCI DIESEL



E95543

- A Minimum.
- B Maximum.

ENGINE OIL DIPSTICK - 2.0L DURATORQ-TDCI (DW) DIESEL



E188308

- 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. Replace the dipstick and remove it again to check the oil level.

Maintenance

If the oil level is at the minimum mark, add oil immediately. See **Capacities and Specifications** (page 251).

Note: Make sure that the oil level is between the minimum and the maximum marks.

Note: Do not use oil additives or other engine treatments. Under certain conditions they may cause engine damage.

Note: The oil consumption of new engines reaches its normal level after approximately 3000 mi (5,000 km).

Adding Engine Oil

WARNINGS



Only add oil when the engine is cold. If the engine is hot, wait 10 minutes for the engine to cool down.



Do not remove the filler cap when the engine is running.

1. Remove the engine oil filler cap. See **Capacities and Specifications** (page 245).
2. Add engine oil that meets Ford specifications. See **Capacities and Specifications** (page 251).
3. Replace the engine oil filler cap. Turn it 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: Soak up any spillage with an absorbent cloth immediately.

ENGINE COOLANT CHECK

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.

Note: Make sure that the level is between the **MIN** and the **MAX** marks.

Note: Coolant expands when it is hot. The level may therefore extend beyond the **MAX** mark.

If the level is at the **MIN** mark, add coolant immediately.

Adding Engine Coolant

WARNINGS



Only add coolant when the engine is cold. If the engine is hot, wait 10 minutes for the engine to cool down.



Do not remove the filler cap when the engine is running.



Do not remove the filler cap when the engine is hot. Wait for the engine to cool down.



Undiluted coolant is flammable and may ignite if spilled on a hot exhaust.

Note: In an emergency, you can add just water to the cooling system to reach a vehicle service station. Have the system checked by an authorized dealer as soon as possible.

Note: Prolonged use of incorrect dilution of the coolant can cause engine damage from corrosion, overheating or freezing.


Note: Do not add coolant further than the **MAX** mark.


1. Remove the filler cap. Any pressure will escape slowly as you unscrew the cap.
2. Add a 50/50 mixture of coolant and water using fluid that meets the Ford specifications. See **Capacities and Specifications** (page 251).
3. Replace the filler cap. Turn it until you feel a strong resistance.


Maintenance


BRAKE FLUID CHECK

WARNINGS

 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.

 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.

 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.

 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.

CLUTCH FLUID CHECK - MANUAL TRANSMISSION

The clutch and brake systems share the same fluid reservoir. See **Brake Fluid Check** (page 213).

WASHER FLUID CHECK


Note: *The reservoir supplies the front and rear washer systems.*

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.

DRAINING THE FUEL FILTER WATER TRAP

WARNING

 Do not dispose of fuel in the household refuse or the public sewage system. Use an authorized waste disposal facility.



E170684


Only use fluid that meets Ford specifications.

See **Capacities and Specifications** (page 245).

Maintenance

CHANGING THE 12V BATTERY

WARNING

 For vehicles with Start-Stop the battery requirement is different. You must replace the battery with one of exactly the same specification.

The battery is located in the engine compartment. See **Maintenance** (page 201).

Note: You must reset the bounce-back feature for the power windows. See **Power Windows** (page 64).



Make sure that you dispose of old batteries in an environmentally friendly way.

Seek advice from your local authority about recycling old batteries.

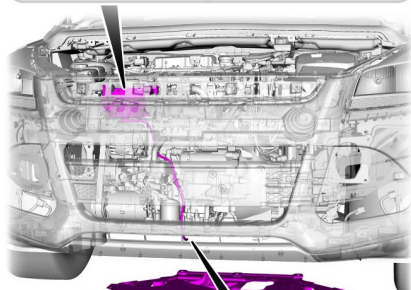
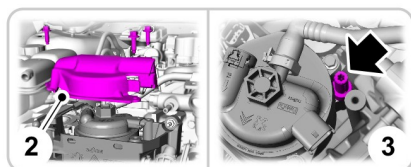
CHECKING THE WIPER BLADES



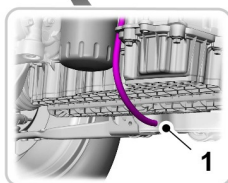
E142463

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.



1



1

E184886

1. Remove the engine compartment splash shield to access the fuel filter water trap drain tube. Place the end of the drain tube into a suitable container.
2. Remove the fuel filter top shield.
3. Loosen the drain plug one to two turns and allow the water to drain.
4. Tighten the drain plug until you feel a strong resistance.
5. Replace the fuel filter top shield and the engine compartment splash shield.



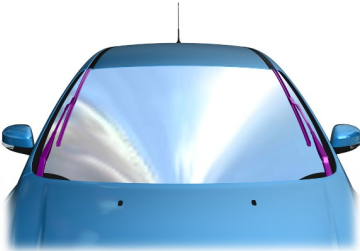
When you start the engine the water in fuel indicator lamp turns off after a short period of time.

Maintenance

CHANGING THE WIPER BLADES

Changing the Windshield Wiper Blades

Service Position



E75184

Set the windshield wipers in the service position to change the wiper blades. The windshield wipers will return to the off position when you switch the ignition on.

Note: You can use the service position in winter to provide easier access to the wiper blades for freeing them from snow and ice. Make sure the windshield is free from snow and ice before you switch the ignition on.

1. Switch the ignition on.
2. Switch the ignition off.



E129986

3. Press and hold the wiper lever in position **A** within three seconds.

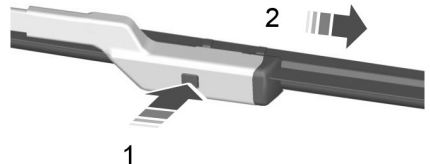
4. Release the wiper lever when the windshield wipers reach the service position.

Note: You can also move the wiper arms to the service position manually when the ignition is off. You cannot rotate the wiper arms when the ignition is on.

Changing the Windshield Wiper Blades

Note: Do not hold the wiper blade when lifting the wiper arm.

Note: Make sure that the wiper arm does not spring back against the glass when the wiper blade is not attached.



E72899

1. Press the locking button.
2. Remove the wiper blade.
3. Install in the reverse order.

Note: Make sure that the wiper blade locks into place.

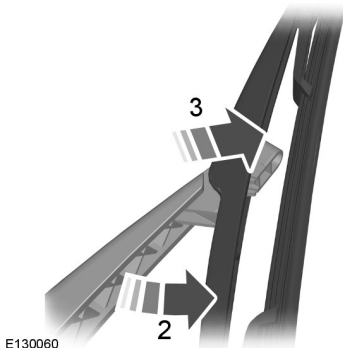
Changing the Rear Window Wiper Blade

Note: Do not hold the wiper blade when lifting the wiper arm.

Note: Make sure that the wiper arm does not spring back against the glass when the wiper blade is not attached.

1. Lift the wiper arm.

Maintenance



E130060

2. Slightly rotate the wiper blade.
3. Disengage the wiper blade from the wiper arm.
4. Remove the wiper blade.
5. Install in the reverse order.

Note: Make sure that the wiper blade locks into place.

CHANGING A BULB

WARNING



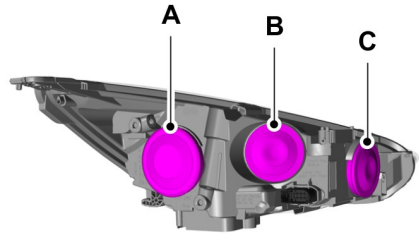
Handle a halogen headlamp bulb carefully and keep out of children's reach. Grasp the bulb by only its plastic base and do not touch the glass. The oil from your hand could cause the bulb to break the next time the headlamps are operated.

Note: If you accidentally touch the bulb, you should clean it with rubbing alcohol.

Replacing HID Headlamp Bulbs (if Equipped)

Your vehicle has high intensity discharge lamps. These lamps operate at a high voltage. Contact an authorized dealer.

Headlamp

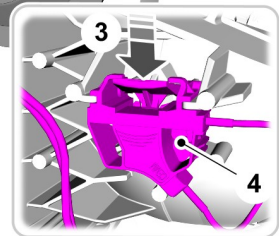
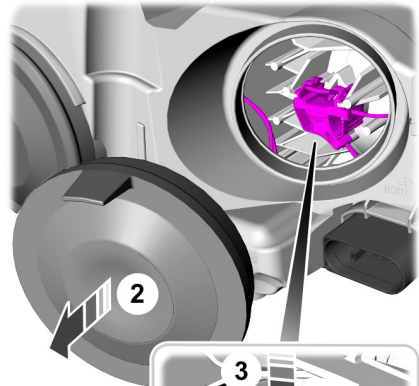


E192267

- A. Low beam headlamp
- B. High beam headlamp
- C. Direction indicator

Headlamp High Beam

1. Remove the headlamp. See **Changing a Bulb** (page 216).



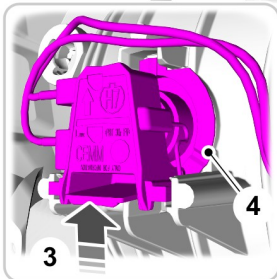
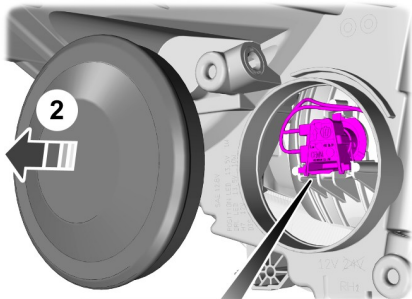
E184155

Maintenance

2. Remove the cover.
3. Release the clip.
4. Remove the bulb holder by pulling it straight out.

Headlamp Low Beam

1. Remove the headlamp. See **Changing a Bulb** (page 216).

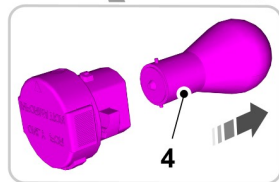
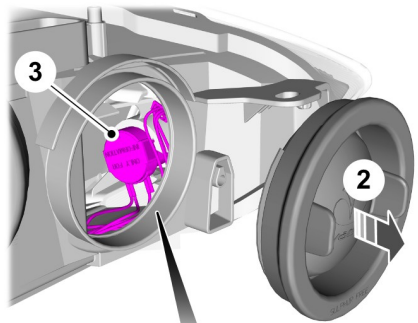


E184154

2. Remove the cover.
3. Release the clip.
4. Remove the bulb holder by pulling it straight out.

Direction Indicator

1. Remove the headlamp. See **Changing a Bulb** (page 216).



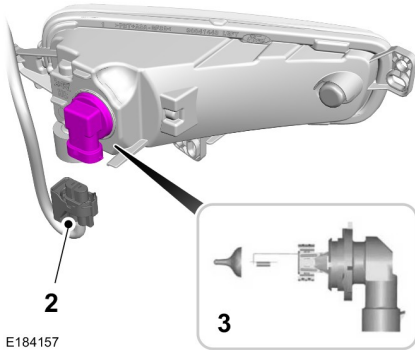
E184153

2. Remove the cover.
3. Turn the bulb holder counterclockwise and remove it.
4. Gently press the bulb into the bulb holder, turn it counterclockwise and remove it.

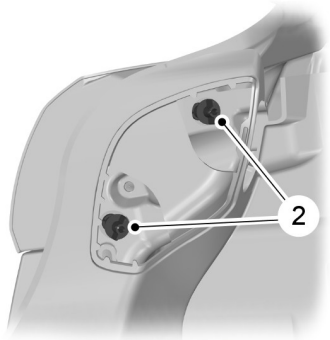
Front Fog Lamp

1. Remove fog lamp grille from front fascia then unscrew the fog lamp.

Maintenance



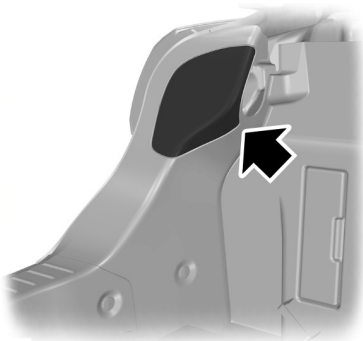
2. Disconnect the electrical connector.
3. Turn the bulb counterclockwise and remove it.



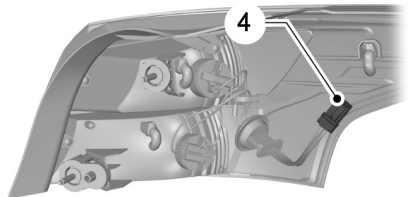
2. Remove the wing nuts and detach the clip.
3. Remove the lamp.

Rear Lamps - 4 Door

Accessing the Brake, Rear and Direction Indicator Bulbs



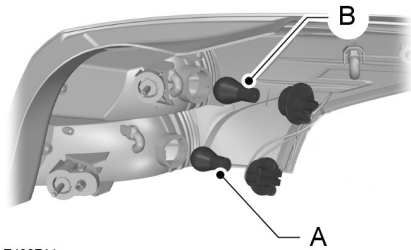
1. Remove the trim panel.



4. Disconnect the electrical connector.

Maintenance

Replacing the Brake, Rear and Direction Indicator Bulbs



E133714

- A. Brake and rear lamp
- B. Direction indicator

1. Remove the bulb holder.
2. Gently press the bulb into the bulb holder, turn it counterclockwise and remove it.

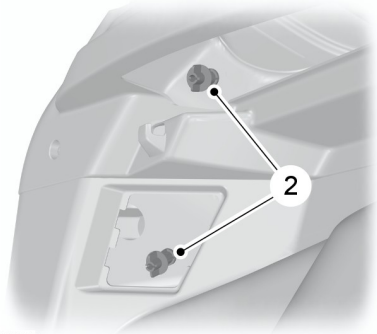
Rear Lamps - 5 Door

Accessing the Rear, Brake, Side Marker, Direction Indicator and Reverse Bulbs



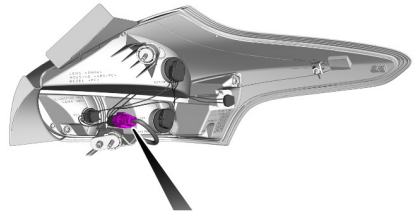
E133111

1. Remove the trim panel.



E133112

2. Remove the wing nuts and detach the clip.
3. Remove the lamp.

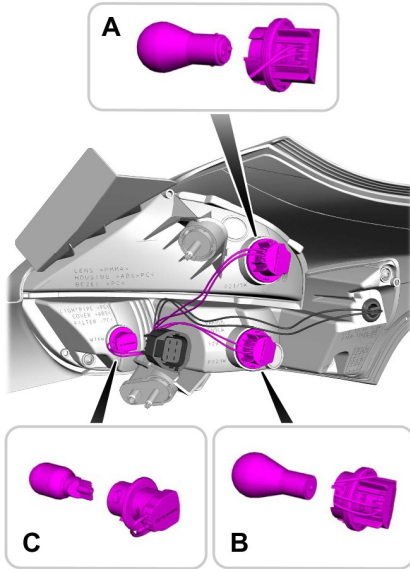


E184158

4. Disconnect the electrical connector.
5. Remove the lamp and unclip the bulb holder.
6. Gently press the bulb into the bulb holder, turn it counterclockwise and remove it.

Maintenance

Replacing the Rear, Brake, Side Marker, Direction Indicator and Reverse Bulbs



E192268

- A. Brake and rear lamp
- B. Direction indicator
- C. Reverse lamp

1. Remove the lamp and unclip the bulb holder.
2. Gently press the bulb into the bulb holder, turn it counterclockwise and remove it.

LED Rear Lamps (if Equipped)

These lamps have LED bulbs. Contact an authorized dealer.

Licence Plate and Central High Mounted Brake Lamp

These lamps have LED bulbs. Contact an authorized dealer.

BULB SPECIFICATION CHART

Function	Specification
Halogen headlamp high beam.	H1 or H15
Halogen headlamp low beam.	H7
High-intensity discharge headlamps.	D3S
Daytime running lamps.	H15
Front parking lamp.	W5W
Front direction indicator.	PY21W
Front fog lamp.	H8
Brake and rear lamp.	P21/5W

Maintenance

Function	Specification
Rear lamp.	W5W
Rear fog lamp.	P21W
Rear direction indicator.	PY21W
Reversing lamp.	W16W

Vehicle Care

CLEANING THE EXTERIOR

Note: If you use a car wash with a waxing cycle, make sure that you remove the wax from the windshield and the wiper blades.

Note: Prior to using a car wash facility check the suitability of it for your vehicle.

Note: Some car washes use water at high pressure. Due to this, water droplets may enter inside your vehicle and could also damage certain parts of your vehicle.

Note: Remove the aerial before using an automatic car wash.

Note: Switch the heater blower off to prevent contamination of the fresh air filter.

We recommend that you wash your vehicle with a sponge and lukewarm water containing a car shampoo.

Cleaning the Headlamps

Note: Do not scrape the headlamp lenses or use abrasives, alcoholic solvents or chemical solvents to clean them.

Note: Do not wipe the headlamps when they are dry.

Cleaning the Rear Window

Note: Do not scrape the inside of the rear window or use abrasives or chemical solvents to clean it.

Use a clean, lint free cloth or a damp chamois leather to clean the inside of the rear window.

Cleaning the Chrome Trim

Note: Do not use abrasives or chemical solvents. Use soapy water.

Note: Do not apply cleaning product to hot surfaces and do not leave cleaning product on chrome surfaces for a period of time exceeding that which is recommended.

Note: Industrial-strength (heavy-duty) cleaners, or cleaning chemicals, may cause damage over a period of time.

Body Paintwork Preservation

WARNINGS



Do not polish your vehicle in strong sunshine.



Do not allow polish to touch plastic surfaces. It could be difficult to remove.



Do not apply polish to the windshield or rear window. This could cause the wipers to become noisy and they may not clear the window properly.

We recommend that you wax the paintwork once or twice a year.

CLEANING THE INTERIOR

Note: Do not allow air fresheners and hand sanitizers to spill on interior surfaces. If a spill occurs, wipe off immediately. Damage may not be covered by your warranty.

Safety Belts

Note: Do not use abrasives, or chemical solvents to clean them.

Note: Do not allow moisture to penetrate the safety belt retractor mechanism.

Clean them with interior cleaner or water applied with a soft sponge. Let them dry naturally, away from artificial heat.

Instrument Cluster Screens, LCD Screens and Radio Screens

Note: Do not use abrasives, alcoholic solvents or chemical solvents to clean them.

Vehicle Care

Rear Windows

Note: Do not use any abrasive materials to clean the interior of the rear windows.

Note: Do not install stickers or labels to the interior of the rear windows.

REPAIRING MINOR PAINT DAMAGE

You should repair paintwork damage caused by stones from the road or minor scratches as soon as possible. A choice of products are available from an authorized dealer.

Remove particles such as bird droppings, tree sap, insect deposits, tar spots, road salt and industrial fallout before repairing paint chips.

Always read and follow the manufacturer's instructions before using the products.

CLEANING THE ALLOY WHEELS

Note: Do not apply a cleaning chemical to warm or hot wheel rims and covers.

Note: Industrial-strength (heavy-duty) cleaners, or cleaning chemicals, in combination with brush agitation to remove brake dust and dirt, could wear away the clear coat finish over a period of time.

Note: Do not use hydrofluoric acid-based or high caustic-based wheel cleaners, steel wool, fuels or strong household detergent.

Note: If you intend parking your vehicle for an extended period after cleaning the wheels with a wheel cleaner, drive your vehicle for a few minutes before doing so. This will reduce the risk of increased corrosion of the brake discs, brake pads and linings.

Note: Some automatic car washes may cause damage to the finish on your wheel rims and covers.

Alloy wheels and wheel covers are coated with a clear coat paint finish. To maintain their condition we recommend that you:

- Clean them weekly with the recommended wheel and tire cleaner.
- Use a sponge to remove heavy deposits of dirt and brake dust accumulation.
- Rinse them thoroughly with a pressurized stream of water when you have completed the cleaning process.

We recommend that you use Ford service wheel cleaner. Make sure that you read and follow the manufacturer's instructions.

Using other non-recommended cleaning products can result in severe and permanent cosmetic damage.

Wheels and Tires

TEMPORARY MOBILITY KIT

Your vehicle may not have a spare tire. Therefore you will have a temporary mobility kit which will only repair one damaged tire.

The kit is located in the left-hand side of the rear luggage compartment.

General Information

WARNINGS



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.



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.



Do not use the kit on run flat tires. This could cause loss of vehicle control.



Do not try to seal damage to the tire sidewall. The tire could burst and cause loss of vehicle control, personal injury or death.

The kit seals most tire punctures with a diameter of up to ¼ inch (six millimeters). This is to temporarily restore mobility.

You must observe the following rules when using the kit:

- Drive with caution and avoid making sudden steering or driving maneuvers, especially if your vehicle is heavily loaded or you are towing a trailer.
- The kit will provide you with an emergency temporary repair, enabling you to continue your journey to the next vehicle or tire dealer, or to drive a maximum distance of 125 miles (200 kilometers).
- Do not exceed a maximum speed of 50 mph (80 km/h).
- Keep the kit out of the reach of children.
- Only use the kit when the ambient temperature is between -40°F (-40°C) and +158°F (+70°C).

Using the Kit

WARNINGS



Compressed air can act as an explosive or propellant which could cause serious personal injury.



Never leave the kit unattended while in use.



Do not keep the compressor operating for more than 10 minutes. This could cause loss of vehicle control or personal injury.

Note: You must only use the kit for the vehicle with which it was supplied.

- Park your vehicle at the roadside so that you do not obstruct the flow of traffic and so that you are able to use the kit without being in danger.
- Apply the parking brake, even if you have parked on a level road, to make sure that your vehicle will not move.

Wheels and Tires

- Do not attempt to remove foreign objects like nails or screws penetrating the tire.
- Leave the engine running while the kit is in use, but not if your vehicle is in an enclosed or poorly ventilated area (for example inside a building). In these circumstances, switch the compressor on with the engine switched off.
- You must replace the sealant bottle with a new one before the expiry date (see top of bottle).
- Inform all other users of your vehicle that the tire has been temporarily sealed with the kit. Make them aware of the special driving conditions that must be observed.

WARNINGS



If the tire inflation pressure does not reach 1.8 bar (26 psi) within 10 minutes, the tire may have suffered excessive damage, making a temporary repair impossible. In this case, do not continue driving with this tire. This could cause loss of vehicle control.



Screwing the bottle onto the bottle holder will pierce the seal of the bottle. Do not unscrew the bottle from the holder as the sealant will escape, which could cause serious personal injury.

Inflating the Tire

WARNINGS



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.



Do not stand directly beside the tire while the compressor is operating. This could cause personal injury if the tire bursts.

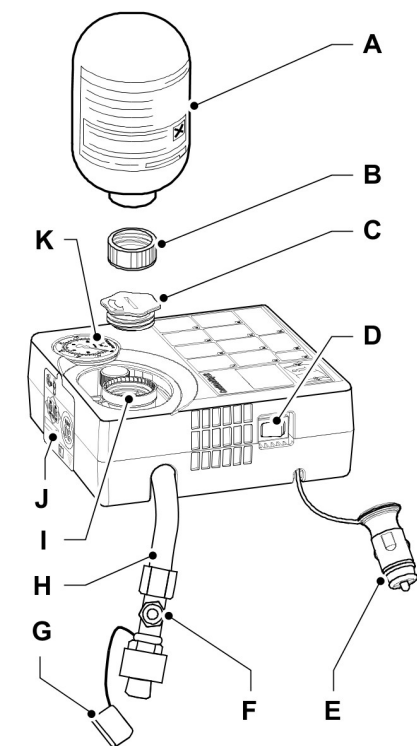


Watch the sidewall of the tire. If any cracks, bumps or similar damage appears, switch the compressor off and let the air out by means of the pressure relief valve F. Do not continue driving with this tire. This could cause loss of vehicle control.



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.

Wheels and Tires



E168569

- A Sealant bottle
- B Bottle lid
- C Orange cap
- D Compressor switch
- E Power plug with cable
- F Pressure relief valve
- G Protective cap
- H Hose
- I Bottle holder

- J Label
- K Pressure gauge

1. Peel off the label J 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.
2. Take the hose H and the power plug with cable E out of the kit.
3. Unscrew the orange cap C and the bottle lid B.
4. Screw the sealant bottle A clockwise into the bottle holder I fully tight.
5. Remove the valve cap from the damaged tire.
6. Detach the protective cap G from the hose H and screw the hose H firmly onto the valve of the damaged tire.
7. Make sure that the compressor switch D is in position 0 and the pressure relief valve F is closed.
8. Insert the power plug E into the cigar lighter socket or auxiliary power point. See **Cigar Lighter** (page 107). See **Auxiliary Power Points** (page 107).
9. Start the engine.
10. Move the compressor switch D to position 1.
11. Inflate the tire for no longer than 10 minutes to an inflation pressure of minimum 1.8 bar (26 psi) and a maximum of 3.5 bar (51 psi). Move the compressor switch D to position 0 and check the current tire pressure with pressure gauge K.

Note: When pumping in the sealant through the tire valve, the pressure may rise up to 6 bar (87 psi) but will drop again after about 30 seconds.

Wheels and Tires

Note: After you have switched the compressor off, you may hear air escaping from the damaged tire. This is normal and can be ignored provided that the specified minimum tire pressure has been reached.

12. Remove the power plug E from the cigar lighter socket or auxiliary power point.
13. Quickly unscrew the hose H from the tire valve and replace the protective cap G. Fasten the valve cap again.

Note: Some residual sealant fluid may drip or spray out of hose H while you are disconnecting it. This is normal.

14. Leave the sealant bottle A in the bottle holder I.
15. Make sure the kit, the bottle lid and the orange cap are stored safely, but still easily accessible in your vehicle. The kit will be required again when you check the tire pressure.
16. Immediately drive approximately two miles (three kilometers) so that the sealant can seal the damaged area.

WARNING



If you experience heavy vibrations, unsteady steering behavior or noises while driving, reduce your speed gradually and stop your vehicle as soon as it is safe to do so. Recheck the tire and its pressure. If the tire pressure is less than 1.3 bar (19 psi) or if there are any cracks, bumps or similar damage visible, do not continue driving with this tire. This could cause loss of vehicle control.

Checking the Tire Pressure

WARNING



Before driving, make sure the tire is adjusted to the recommended inflation pressure. See **Tire**

Pressures (page 239). Monitor the tire pressure until the sealed tire is replaced.

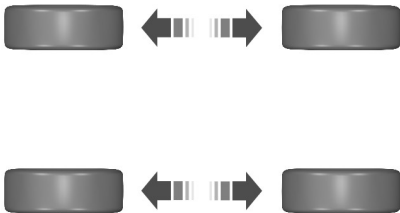
1. Stop your vehicle after driving approximately two miles (three kilometers). Check, and where necessary, adjust the pressure of the damaged tire.
2. Attach the kit and read the tire pressure from the pressure gauge K.
3. If the pressure of the sealant-filled tire is 1.3 bar (19 psi) or more, adjust it to the specified pressure. See **Tire Pressures** (page 239).
4. Follow the inflation procedure once again to top up the tire.
5. Check the tire pressure again from the pressure gauge K. If the tire pressure is too high, deflate the tire to the specified pressure using the pressure relief valve F.
6. Once you have inflated the tire to its correct tire pressure, move the compressor switch D to position O, remove the power plug E from the socket, unscrew the hose H, fasten the valve cap and replace the protective cap G.
7. Leave the sealant bottle A in the bottle holder I and store the kit away safely in its original location.
8. Drive to the nearest tire specialist to get the damaged tire replaced. Before the tire is removed from the rim, inform your tire dealer that the tire contains sealant. You must renew the sealant bottle A and hose H as soon as possible once used.

Wheels and Tires

Note: Remember that this kit only provides temporary mobility. Regulations concerning tire repair after usage of the kit may differ from country to country. You should consult a tire specialist for advice.

Empty sealant bottles can be disposed of together with normal household waste. Return remains of sealant to an authorized dealer or dispose of it in compliance with local waste disposal regulations.

TIRE CARE



E70415

To make sure the front and rear tires of your vehicle wear evenly and last longer, we recommend that you swap the tires from front to rear and vice versa at regular intervals of between 3000 and 6000 miles (5000 and 10000 kilometers).

WARNING



Do not scrub the sidewalls of the tires when you are parking.

If you have to mount a curb, do so slowly and approach it with the wheels at right-angles to the curb.

Examine the tires regularly for cuts, foreign objects and uneven wear of the tread. Uneven wear could mean that the wheel alignment is outside specification.

Check the tire pressures (including the spare) when cold, every two weeks.

USING WINTER TIRES

If winter tires are used you must inflate them to the same tire pressures as those listed in the tire pressure table.

USING WINTER TIRES - ST

The standard equipment tires on your ST vehicle are designed for maximum performance in dry and wet summer conditions. They are not designed for winter use on ice or snow and you cannot use them with snow chains. Ford does not recommend using the original equipment tires when temperatures drop to approximately 41.0°F (5°C) or below (depending on tire wear and environmental conditions) or in snow and ice conditions. You must use winter or all-season tires if you will be operating your vehicle in these conditions.

Note: All road wheels installed must have tire pressure monitoring sensors for the tire pressure monitoring system to correctly work.

USING SNOW CHAINS

WARNINGS



Do not exceed 30 mph (50 km/h).



Do not use snow chains on snow-free roads.



Only fit snow chains to specified tires. See **Tire Pressures** (page 239).



If your vehicle has wheel trims, remove them before fitting snow chains.

Note: The anti-lock braking system will continue to operate normally.

Wheels and Tires

Only use small link snow chains of approximately 10 mm.

Only use snow chains on the front wheels.

Vehicles with Stability Control

When stability control is on, your vehicle may exhibit some unusual driving characteristics. To reduce this, switch traction control off. See **Using Stability Control** (page 136).

TIRE PRESSURE MONITORING SYSTEM

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.



You must check the tire pressures (including the spare tire where applicable) every two weeks when the tires are cold.

You must inflate the tires to the correct pressure.

See **Wheels and Tires** (page 224). The tire pressures are also on the tire inflation pressure label (located on the edge of driver door or the B-Pillar).

As a driver assistance feature, your vehicle has a tire pressure monitoring system. A warning lamp will illuminate when one or more of the tires are significantly under-inflated. If the low tire pressure warning lamp illuminates, you should stop your vehicle as soon as it is safe to do so, check the tires and inflate them to the correct pressure.

Driving on under-inflated tires can:

- Cause them to overheat.
- Lead to tire failure.
- Reduce fuel efficiency.
- Reduce tire life.
- Affect vehicle handling or stopping ability.

The system is not a substitute for correct tire maintenance.

You must maintain the correct tire pressures, even if low tire pressure has not illuminated the warning lamp.

The tire pressure monitoring system has a system malfunction indicator to warn you when the system is not operating correctly. The malfunction indicator and low tire pressure warning lamp have a combined function. When the system detects a malfunction, the warning lamp will flash for approximately one minute and then remain illuminated. This sequence will occur every time you switch the ignition on while the malfunction remains. The system has detected a fault that requires service.

When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressures. A malfunction may occur for a variety of reasons, including the installation of a replacement tire or wheel that prevents the system from functioning correctly. Always check the tire pressure monitoring system malfunction warning after

Wheels and Tires

replacing one or more tires or wheels on your vehicle. Make sure the replacement tires or wheels allow the system to continue to function correctly. See **When the Temporary Spare Tire is Installed** in this section.

How Temperature Affects the Tire Pressures

Under normal driving conditions tire pressures may increase by up to 4 psi (0.3 bar) from a cold start situation.

If the vehicle is stationary overnight and the temperature significantly lower than the daytime temperature, tire pressures may decrease by up to 3 psi (0.2 bar) when there is a drop in the ambient temperature of 31°F (17°C) or more. The system detects this pressure decrease as being significantly below the correct inflation pressure and the warning lamp illuminates.

Changing Tires With a Tire Pressure Monitoring System



E142549

You should always have tires serviced by an authorized dealer.

Note: Each road wheel and tire is fitted with a tire pressure sensor located inside the wheel and tire assembly cavity. The pressure sensor attaches to the valve stem. The tire covers the pressure sensor and it is not visible unless the tire is removed. Take care when changing the tire to avoid damaging the sensor.

Understanding the Tire Pressure Monitoring System

The system measures the pressure in the four road tires and sends the tire pressure readings to your vehicle.

The system detects this lower pressure as being significantly below the correct inflation pressure and the warning lamp illuminates. You must inflate the tires to the correct pressure.

When the Temporary Spare Tire is Installed

If you need to replace a road wheel and tire with the temporary spare wheel, the system will continue to identify a defect. This is to remind you to repair the damaged road wheel and tire and refit the repaired road wheel and tire assembly to your vehicle. To restore the correct operation of the system, you must have the repaired road wheel and tire assembly refitted to your vehicle.

When You Believe the System is Not Operating Correctly

The main function of the system is to warn you when the tire pressures are low. It can also warn you in the event the system is no longer capable of operating correctly. See the following chart for information concerning the system:

When Inflating the Tires

When inflating the tires the system may not respond immediately to the air added to the tires.

Wheels and Tires

System Warning Lamps

Warning lamp	Description	Action
Solid warning lamp	Tire(s) under-inflated	<ol style="list-style-type: none"> 1. Make sure tires are at the correct pressure. See Wheels and Tires (page 224). The tire pressures are also on the tire inflation pressure label (located on the edge of driver door or the B-Pillar). 2. After inflating the tires to the correct pressure you must carry out the tire pressure monitoring system reset procedure. See Tire Pressure Monitoring System Reset Procedure in this chapter.
	Spare tire in use	Repair the damaged road wheel and tire and refit the repaired road wheel and tire assembly to your vehicle to restore the correct operation of the system.
	Tire pressure monitoring system malfunction	If the tires are correctly inflated and the spare tire is not in use but the light remains on, the system has detected a fault that requires service.
Solid warning lamp initially followed by a flashing warning lamp	Spare tire in use	Repair the damaged road wheel and tire and refit the repaired road wheel and tire assembly to your vehicle to restore the correct operation of the system.
	Tire pressure monitoring system malfunction	If the tires are correctly inflated and the spare tire is not in use but the light remains on, the system has detected a fault that requires service.

If the Warning Lamp is On:

1. Check each tire to verify that none are flat.
2. If one or more tires are flat, repair as necessary.
3. Check the tire pressures and inflate all the tires to the correct pressure.
4. Carry out the tire pressure monitoring system reset procedure.

Tire Pressure Monitoring System Reset Procedure

Overview

You must carry out the system reset procedure after each tire replacement or adjustment of the tire pressures.

Wheels and Tires

To maintain your vehicle load carrying capability, your vehicle requires different tire pressures in the front tires compared to the rear tires.

The system illuminates the warning lamp at different pressures for the front and rear tires.

The tires need to be periodically rotated to provide consistent performance and maximum tire life, the system needs to know when the tires have been rotated to determine which set of tires are on the front and rear axles. With this information, the system can detect and correctly warn of low tire pressures.

Carrying Out the System Reset Procedure

1. Check the tire pressures and inflate all the tires to the correct pressure.
2. Use the information display controls on the steering wheel or instrument panel. See **Information Displays** (page 75).

To reset the tire pressure monitoring system, scroll to:

Message	Description and Action
Settings	Press the OK button.
Driver assist	Press the OK button.
Tire Monitor	Press and hold the OK button until confirmation appears. Alternatively, if your vehicle has a tire pressure monitoring system reset button, press and hold the button until confirmation appears.


CHANGING A ROAD WHEEL

Locking Lug Nuts






You can obtain a replacement locking lug nut key and replacement locking lug nuts from your dealer using the reference number certificate.

Vehicles With a Spare Wheel

WARNINGS


 When stowing a wheel in the spare wheel well, to avoid the risk of injury, do not hold the wheel by the hole in the center.

WARNINGS

-  Drive the shortest possible distances.
-  Do not fit more than one spare wheel on your vehicle at any one time.
-  Do not carry out any tire repairs on a spare wheel.
-  Do not drive through an automatic car wash.
-  If you are unsure what type of spare wheel you have do not exceed 50 mph (80 km/h).

Wheels and Tires

WARNINGS

 On vehicles with a 2.0L EcoBoost SCTi (MI4) engine, do not switch stability control off or select sport mode if you have fitted a temporary spare wheel to your vehicle.

 Only fit snow chains to specified tires. See **Tire Pressures** (page 239).

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.

If the spare wheel is different to the other road wheels, it will carry a yellow label with the appropriate speed limit.

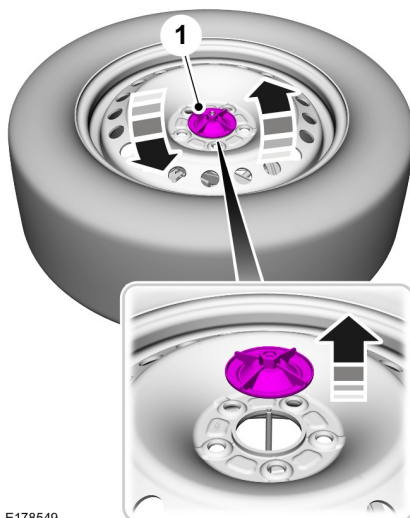
Note: *Your vehicle may exhibit some unusual driving characteristics.*

Refer to the following information before changing the road wheel.

Note: *The ground clearance of your vehicle may be reduced. Take care when parking next to a curb.*

The spare wheel, vehicle jack, towing eye, lug nut tool and wheel trim remover are located in the luggage compartment underneath the floor covering.

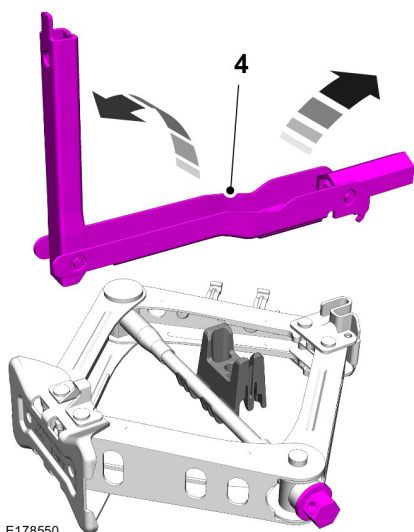
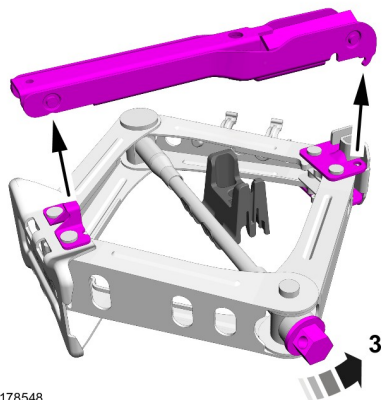
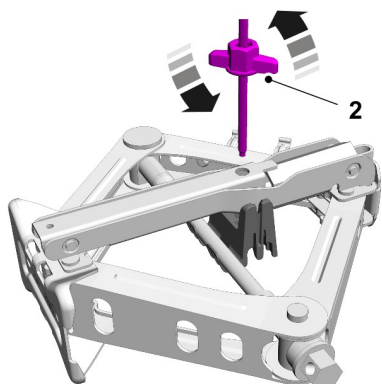
Note: *The spare wheel, vehicle jack, towing eye, lug nut tool and wheel trim remover are located in the luggage compartment side panel on Wagon variants.*



E178549

1. Turn the spare wheel securing nut counterclockwise and remove it. Remove the wheel from the spare wheel well.

Wheels and Tires



E178550

4. Unfold the vehicle jack handle and the hexagonal end into the correct position prior to use. Use the hexagonal end to operate the vehicle jack screw and to remove the lug nuts.


Note: Use the hook at the hexagonal end to remove the wheel trim.

Vehicles Without a Spare Wheel

Vehicles without a spare wheel are fitted with a temporary mobility kit. See **Temporary Mobility Kit** (page 224).

Vehicle Jack

WARNINGS


 The vehicle jack supplied with your vehicle should only be used when changing a wheel in emergency situations.


E178548


2. Turn the vehicle jack securing bolt counterclockwise and remove it.
3. Turn the vehicle jack screw counterclockwise to remove the vehicle jack handle and lug nut tool from the vehicle jack.

Wheels and Tires

WARNINGS

 Before using the vehicle jack, check that it is not damaged or deformed and that the thread is lubricated and free from foreign matter.


 Never place anything between the vehicle jack and the ground, or between the vehicle jack and the vehicle.

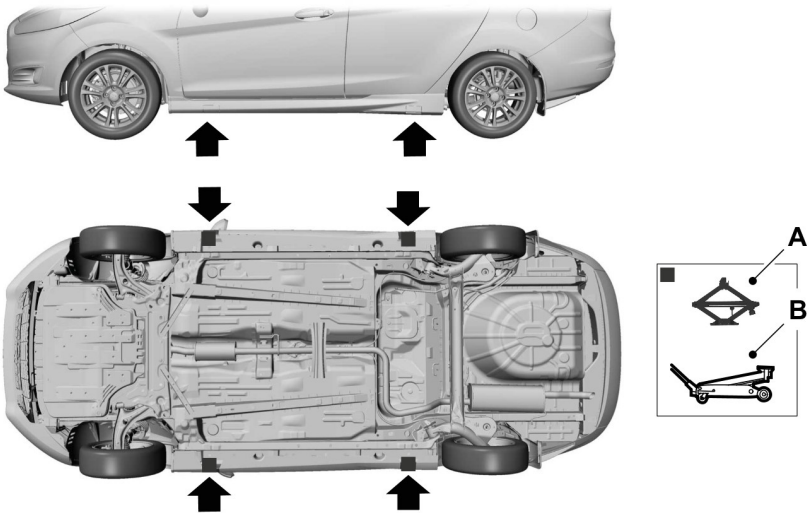
 You must use a vehicle jack with a minimum lifting capacity of 1.5 tonnes and a lifting plate with a minimum diameter of 3 in (80 mm).

It is recommended to use a workshop type hydraulic jack for changing between summer and winter tires.

Jacking and Lifting 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.

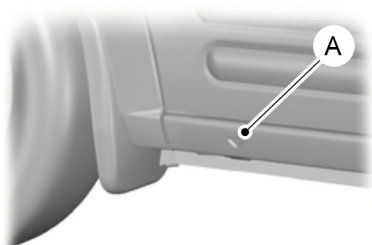


E92658

A Emergency use only

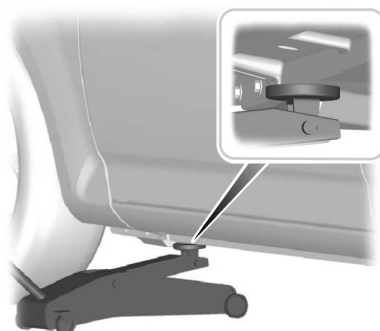
B Maintenance

Wheels and Tires



E93302

Small arrow-shaped marks on the sills **A** show the location of the jacking points.




E93020

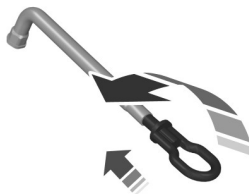
Refer to vehicle jack manufacturer's instructions.

Assembling the Wheel Brace

WARNING

 The screw-in towing eye has a **left-hand thread**. Turn it counterclockwise to install it. Make sure that the towing eye is fully tightened.

Type A



E122502

Insert the screw-in towing eye into the wheel brace.

Type B

See **Vehicles With a Spare Wheel** earlier in this section.



E92932

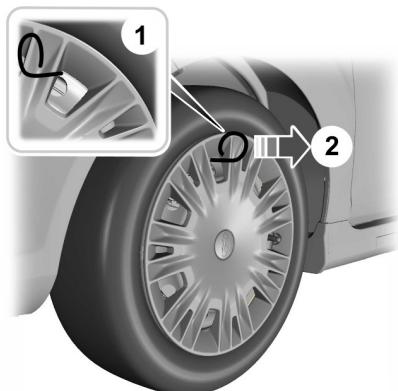
Place the hexagonal end of the vehicle jack handle and lug nut tool onto the vehicle jack. Turn the jack handle clockwise to raise your vehicle.

Wheels and Tires

Removing the Wheel Trim (If Equipped)

Note: Make sure that you pull the wheel trim remover at right angles to the trim.

Type A



E122314




1. Insert the wheel trim remover.
2. Remove the wheel trim.

Type B








1. Use the hook on the vehicle jack handle and lug nut tool to remove the wheel trim.

Removing a Road Wheel

WARNINGS

-  Park your vehicle in such a position that neither the traffic nor you are hindered or endangered.
-  Set up a warning triangle.
-  Make sure that the vehicle is on firm, level ground with the wheels pointing straight ahead.

WARNINGS

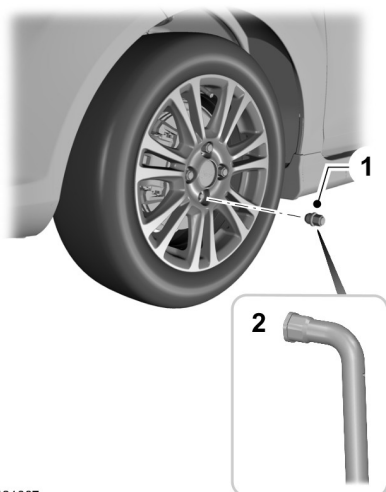
-  Switch off the ignition and apply the parking brake.
-  If your vehicle has a manual transmission, select first or reverse gear. If it has an automatic transmission, select park (P).
-  Have the passengers leave the vehicle.
-  Secure the diagonally opposite wheel with an appropriate block or wheel chock.
-  Make sure that the arrows on directional tires point in the direction of rotation when the vehicle is moving forward. If you have to fit a spare wheel with the arrows pointing in the opposite direction, have the tire refitted in the correct direction by a properly trained technician.
-  Do not work underneath the vehicle when it is supported only by a jack.
-  Make sure that the jack is vertical to the jacking point and the base is flat on the ground.

Note: Do not lay alloy wheels face down on the ground, this will damage the paint.

Note: The spare wheel is located under the floor cover in the luggage compartment.

1. Install the locking lug nut key.

Wheels and Tires





E121887

2. Slacken the lug nuts.
3. Jack up the vehicle until the tire is clear of the ground.
4. Remove the lug nuts and the wheel.


Installing a Road Wheel

WARNINGS

 Use only approved wheel and tire sizes. Using other sizes could damage the vehicle and will make the National Type Approval invalid. See **Tire Pressures** (page 239).

 Do not fit run flat tires on vehicles that were not originally fitted with them. Please contact an authorized dealer for more details regarding compatibility.

WARNING

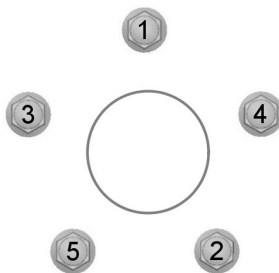
 Do not install alloy wheels using lug nuts designed for use with steel wheels.

Note: The lug nuts of alloy wheels and spoked steel wheels can also be used for the steel spare wheel for a short time (maximum two weeks).

Note: Make sure the wheel and hub contact surfaces are free from foreign matter.

Note: Make sure that the cones on the lug nuts are against the wheel.


1. Install the wheel.
2. Install the lug nuts finger tight.
3. Install the locking lug nut key.



E75442

4. Partially tighten the lug nuts in the sequence shown.
5. Lower the vehicle and remove the jack.
6. Fully tighten the lug nuts in the sequence shown. See **Tire Pressures** (page 239).
7. Install the wheel trim using the ball of your hand.

WARNING

 Have the lug nuts checked for tightness and the tire pressure checked as soon as possible.

Wheels and Tires

TIRE PRESSURES

Check all tire pressures when they are cold, at least once every two weeks.

Note: *In some vehicles, you may need to remove the spare wheel from the storage compartment to check the tire pressure.*

Only fit snow chains to specified tires. See **Using Snow Chains** (page 228).

Up to 80 km/h (50 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
		psi (bar)			
Temporary spare wheel.	T125/80 R16	61 (4.2)			
	T125/90 R16				

Up to 120 km/h (75 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
		psi (bar)			
Temporary spare wheel when it differs from the other fitted wheels.	205/55 R16	44 (3)			

Wheels and Tires

Up to 160 km/h (100 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
		psi (bar)	psi (bar)	psi (bar)	psi (bar)
All	205/55 R 16 ¹	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	215/55 R 16 ²	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	215/55 R 16 ²	33 (2.3)	30 (2.1)	35 (2.4)	41 (2.8)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	215/50 R 17 ³	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	215/50 R 17 ³	33 (2.3)	30 (2.1)	35 (2.4)	41 (2.8)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	235/40 R 18	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	235/40 R 18	33 (2.3)	30 (2.1)	35 (2.4)	41 (2.8)

¹Up to 12mm snow chains.

²Up to 10mm snow chains with steel wheels. Up to 7mm snow chains with alloy wheels.

³Up to 7mm snow chains.

Wheels and Tires

Continuous speed in excess of 160 km/h (100 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
		psi (bar)	psi (bar)	psi (bar)	psi (bar)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	205/55 R 16	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
1.5L EcoBoost	205/55 R 16	32 (2.2)	30 (2.1)	35 (2.4)	41 (2.8)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	215/55 R 16	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	215/55 R 16	33 (2.3)	30 (2.1)	38 (2.6)	41 (2.8)
1.0L EcoBoost, 1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	215/50 R 17	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	215/50 R 17	33 (2.3)	30 (2.1)	38 (2.6)	41 (2.8)
1.6L Duratec-16V Ti-VCT, 1.5L EcoBoost, 2.0L Duratec-HE - MI4, 1.5L Duratorq-TDCi, 1.6L Duratorq-TDCi	235/40 R 18	30 (2.1)	30 (2.1)	35 (2.4)	41 (2.8)
2.0L Duratorq-TDCi - DW	235/40 R 18	33 (2.3)	30 (2.1)	38 (2.6)	41 (2.8)

Wheels and Tires

TIRE PRESSURES - ST

Check all tire pressures when they are cold, at least once every two weeks.

Note: *In some vehicles, you may need to remove the spare wheel from the storage compartment to check the tire pressure.*

Only fit snow chains to specified tires. See **Using Snow Chains** (page 228).

WARNING



Do not switch stability control off if you have fitted a temporary spare wheel to your vehicle.

Up to 80 km/h (50 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
psi (bar)					
Temporary spare wheel.	T125/80 R16	61 (4.2)			
	T125/90 R16				

Up to 120 km/h (75 mph)

Variant	Tire size	Normal load		Full load	
		Front	Rear	Front	Rear
psi (bar)					
Temporary spare wheel when it differs from the other fitted wheels.	205/55 R16	44 (3)			

Wheels and Tires

Up to 220 km/h (137 mph)

Tire size	Normal load		Full load	
	Front	Rear	Front	Rear
	psi (bar)	psi (bar)	psi (bar)	psi (bar)
215/55 R 16 ¹	35 (2.4)	35 (2.4)	35 (2.4)	41 (2.8)
215/50 R 17 ²	35 (2.4)	35 (2.4)	35 (2.4)	41 (2.8)
235/40 R 18	35 (2.4)	35 (2.4)	35 (2.4)	35 (2.4)
235/35 R 19	41 (2.8)	38 (2.6)	49 (3.4)	49 (3.4)

¹Up to 12mm snow chains with steel wheels.

²Up to 10mm snow chains.

Continuous speed in excess of 220 km/h (137 mph)

Tire size	Normal load		Full load	
	Front	Rear	Front	Rear
	psi (bar)	psi (bar)	psi (bar)	psi (bar)
215/55 R 16	38 (2.6)	35 (2.4)	39 (2.7)	41 (2.8)
215/50 R 17	38 (2.6)	35 (2.4)	41 (2.8)	41 (2.8)
235/40 R 18	35 (2.4)	35 (2.4)	36 (2.5)	36 (2.5)
235/35 R 19	41 (2.8)	38 (2.6)	49 (3.4)	49 (3.4)

Wheels and Tires

LUG NUTS

Lug Nut Torque

Wheel type	lb.ft (Nm)
All	100 lb.ft (135 Nm)

Capacities and Specifications

VEHICLE DIMENSIONS

4-Door

Dimension description	in (mm)
Maximum length	178.7 in (4,538 mm)
Overall width including exterior mirrors	79.1 in (2,010 mm)
Overall height - EC curb weight	57.3–58.6 in (1,456–1,488 mm)
Wheelbase	104.3 in (2,648 mm)
Front track	60.8–61.4 in (1,544–1,559 mm)
Rear track	60.4–61.0 in (1,534–1,549 mm)

5-Door

Dimension description	in (mm)
Maximum length	171.7–173.2 in (4,360–4,399 mm)
Overall width including exterior mirrors	79.1 in (2,010 mm)
Overall height - EC curb weight	57.3–58.5 in (1,455–1,485 mm)
Wheelbase	104.3 in (2,648 mm)
Front track	60.8–61.4 in (1,544–1,559 mm)
Rear track	60.4–61.0 in (1,534–1,549 mm)

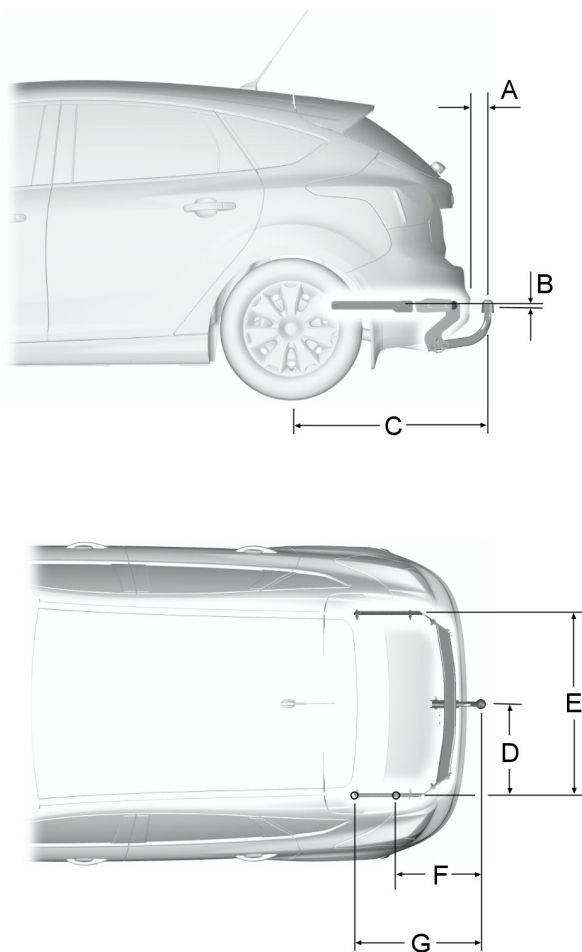
Capacities and Specifications

Wagon

Dimension description	in (mm)
Maximum length	179.5–180.5 in (4,560–4,584 mm)
Overall width including exterior mirrors	79.1 in (2,010 mm)
Overall height - EC curb weight	58.3–59.4 in (1,482–1,510 mm)
Wheelbase	104.3 in (2,648 mm)
Front track	60.8–61.4 in (1,544–1,559 mm)
Rear track	60.4–61.0 in (1,534–1,549 mm)

Capacities and Specifications

Towing Equipment Dimensions



E132737

Capacities and Specifications

4-Door

Item	Dimension description	in (mm)
A	Bumper – center of tow ball	3.2–3.3 in (81–83 mm)
B	Attachment point – center of tow ball	0.1 in (3 mm)
B	Attachment point – center of tow ball (detachable trailer coupling)	0.7 in (18 mm)
C	Wheel center – center of tow ball	35.3–35.4 in (896–898 mm)
D	Center of tow ball – side member	20.3 in (515 mm)
E	Distance between side members	40.6 in (1,030 mm)
F	Center of tow ball – center 1. attachment point	15.6–15.7 in (396–398 mm)
G	Center of tow ball – center 2. attachment point	27.4–27.5 in (696–698 mm)

5-Door

Item	Dimension description	in (mm)
A	Bumper – center of tow ball	3.2–3.3 in (81–83 mm)
B	Attachment point – center of tow ball	0.1 in (3 mm)
B	Attachment point – center of tow ball (detachable trailer coupling)	0.7 in (18 mm)
C	Wheel center – center of tow ball	35.3–35.4 in (896–898 mm)
D	Center of tow ball – side member	20.3 in (515 mm)
E	Distance between side members	40.6 in (1,030 mm)
F	Center of tow ball – center 1. attachment point	15.6–15.7 in (396–398 mm)
G	Center of tow ball – center 2. attachment point	27.4–27.5 in (696–698 mm)

Capacities and Specifications

Wagon

Item	Dimension description	in (mm)
A	Bumper – center of tow ball	3.2 in (81 mm)
B	Attachment point – center of tow ball	2.8–3.0 in (72–77 mm)
C	Wheel center – center of tow ball	43.1 in (1,094 mm)
D	Center of tow ball – side member	23.1 in (586 mm)
E	Distance between side members	46.1 in (1,172 mm)
F	Center of tow ball – center 1. attachment point	18.7 in (474 mm)
G	Center of tow ball – center 2. attachment point	28.3 in (719 mm)

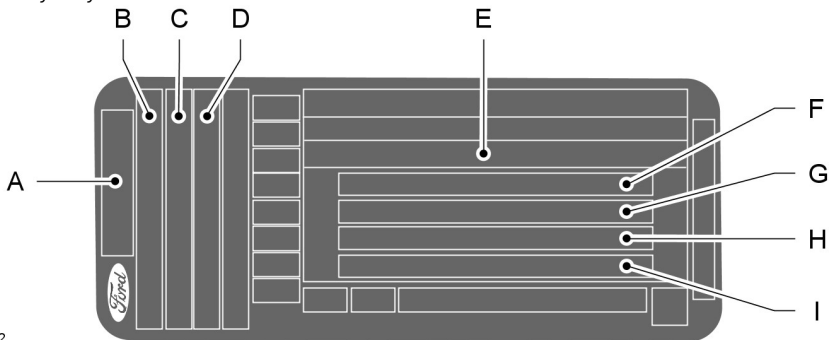
Maximum Static Vertical Load

Model	lb (kg)
4-Door. 5-Door.	165 (75)
Wagon.	198 (90)

Note: The information shown on the vehicle identification plate is dependent upon market requirements.

VEHICLE IDENTIFICATION PLATE

Note: Your vehicle identification plate design may vary to that shown.



E135662

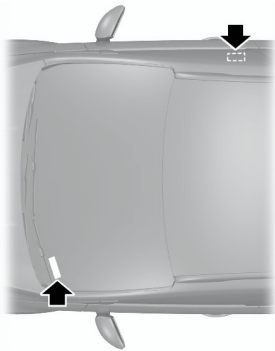
Capacities and Specifications

- 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
- H Maximum front axle weight
- I Maximum rear axle weight

Your vehicle identification number and maximum weights are shown on a plate, located at the bottom of the lock side of the right-hand door aperture.

The vehicle identification number is stamped into the floor panel on the right-hand side, beside the front seat. It is also shown on the left-hand side of the instrument panel.

VEHICLE IDENTIFICATION NUMBER



E87496

Capacities and Specifications

CAPACITIES AND SPECIFICATIONS - 1.0L ECOBOOST™

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.9 gal (4.1 L)
Engine lubrication system - excluding the oil filter	0.9 gal (4 L)
Engine cooling system	0.3 gal (1.3 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.2 gal (1 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-20	WSS-M2C948-B
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

Capacities and Specifications

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C948-B, you must use SAE 5W-30 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

CAPACITIES AND SPECIFICATIONS - 1.5L ECOBOOST™

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.90 gal (4.1 L)
Engine lubrication system - excluding the oil filter	0.88 gal (4 L)
Engine cooling system	1.3 gal (5.8 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.2 gal (0.8 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-30	WSS-M2C913-C
Antifreeze Super Plus Premium	WSS-M97B44-D

Capacities and Specifications

Name	Specification
4U7J-19544-xxxx	
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C913-C, you must use SAE 5W-20 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

CAPACITIES AND SPECIFICATIONS - 1.6L DURATEC-16V TI-VCT (SIGMA)

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.9 gal (4.1 L)
Engine lubrication system - excluding the oil filter	0.8 gal (3.75 L)
Engine cooling system	1.3 gal (5.7 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Capacities and Specifications

Engine Oil Adding Capacities

Engine	Quantity
All	0.2 gal (0.8 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-20	WSS-M2C948-B
Engine Oil - 5W-30	WSS-M2C913-C
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C948-B or WSS-M2C913-C, you must use SAE 5W-20 or SAE 5W-30 that meets the specification defined by ACEA A5/B5.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

Capacities and Specifications

CAPACITIES AND SPECIFICATIONS - 2.0L DURATEC-HE (MI4)

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.9 gal (4.3 L)
Engine lubrication system - excluding the oil filter	1.0 gal (4.4 L)
Engine cooling system	1.4 gal (6.4 L)
Fuel tank	14.6 gal (66.2 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.2 gal (1 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-20	WSS-M2C948-B
Antifreeze Super Plus Premium Ready Mix 2U2J-19544-xxxx	WSS-M97B44-D2
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

Capacities and Specifications

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C948-B, you must use SAE 5W-20 that meets the specification defined by ACEA A5/B5.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

CAPACITIES AND SPECIFICATIONS - 2.0L ECOBOOST™

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	1.2 gal (5.4 L)
Engine lubrication system - excluding the oil filter	1.1 gal (5.1 L)
Engine cooling system	1.4 gal (6.45 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.2 gal (0.85 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-30	WSS-M2C913-C
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D

Capacities and Specifications

Name	Specification
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C913-C, you must use SAE 5W-20 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

CAPACITIES AND SPECIFICATIONS - 1.5L DURATORQ-TDCI DIESEL

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.85 gal (3.85 L)
Engine lubrication system - excluding the oil filter	0.76 gal (3.45 L)
Engine cooling system	1.6 gal (7.3 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Capacities and Specifications

Engine Oil Adding Capacities

Engine	Quantity
All	0.4 gal (1.6 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-30	WSS-M2C913-C
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C913-C, you must use SAE 5W-30 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

Capacities and Specifications

CAPACITIES AND SPECIFICATIONS - 1.6L DURATORQ-TDCI (DV) DIESEL

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	0.8 gal (3.85 L)
Engine lubrication system - excluding the oil filter	0.8 gal (3.45 L)
Engine cooling system	1.6 gal (7.3 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.4 gal (1.6 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-30	WSS-M2C913-C
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

Capacities and Specifications

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C913-C, you must use SAE 5W-30 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

CAPACITIES AND SPECIFICATIONS - 2.0L DURATORQ-TDCI (DW) DIESEL

Capacities

Item	Capacity
Engine lubrication system - including the oil filter	1.3 gal (6.1 L)
Engine lubrication system - excluding the oil filter	1.2 gal (5.65 L)
Engine cooling system	1.4 gal (6.5 L)
Fuel tank	12.1 gal (55 L)
Windshield and rear window washer system - including headlamp washer	1.0 gal (4.5 L)

Engine Oil Adding Capacities

Engine	Quantity
All	0.4 gal (1.6 L)

Specifications

Note: Use fluids which meet the specifications or requirements defined. Use of other fluids may lead to damage which is not covered by your vehicle's warranty.

Materials

Name	Specification
Engine Oil - 5W-30	WSS-M2C913-C

Capacities and Specifications

Name	Specification
Antifreeze Super Plus Premium 4U7J-19544-xxxx	WSS-M97B44-D
Brake Fluid DOT 4 LV High Performance BU7J-M6C65-xxxx	WSS-M6C65-A2
Transmission Oil - 75W FE 7U7J-M2C200-BA/CA	WSS-M2C200-D2
Hydraulic Fluid DP-PS 5U7J-M2C204-AB	WSS-M2C204-A2
Screen Wash 5U7J-19C544-AA, 3U7J-19523-GA, 2U7J-M8B16-AA/CA/DA	WSS-M14P19-A

The engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit while maintaining the durability of the engine.

Adding oil: If you are unable to find an oil that meets the specification defined by WSS-M2C913-C, you must use SAE 5W-30 that meets the specification defined by ACEA A5/B5.

Note: Do not use more than 0.2 gal (1 L) between scheduled service intervals.

Using oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.



Castrol engine oil recommended.

FUEL CONSUMPTION FIGURES

Variant	Urban	Extra-Urban	Combined	CO2 Emissions
	MPG (L/100km)	MPG (L/100km)	MPG (L/100km)	g/km
1.0L EcoBoost.	36.2-41.3 (6.5-5.7)	57.4-67.2 (4.2-3.9)	48-56.5 (5-4.6)	105-116
1.5L EcoBoost.	29.4-33.6 (8-7)	50-51.1 (4.7-4.6)	39.9-42.8 (5.9-5.5)	127-137
1.5L Duratorq-TDCi.	50 (4.3)	61.9 (3.4)	56 (3.8)	98
1.6L Duratec-16V Ti-VCT.	27-28.3 (8.7-8.3)	48-51.1 (4.9-4.6)	37.3-39.9 (6.3-5.9)	136-146

Audio System

GENERAL INFORMATION

Radio Frequencies and Reception Factors

Radio reception factors	
Distance and Strength	The further you travel away from an FM station, the weaker the signal and the weaker the reception.
Terrain	Hills, mountains, tall buildings, bridges, tunnels, freeway overpasses, parking garages, dense tree foliage and thunderstorms can interfere with the reception.
Station overload	When you pass near a radio transmission tower, a stronger signal can override a weaker signal and can cause interference in the audio system.

CD and CD Player Information

Note: *CD units play commercially pressed 4.75-inch (12 centimeter) audio compact discs only. Due to technical incompatibility, certain recordable and re-recordable compact discs may not function correctly when used in Ford CD players.*

Note: *Do not insert CDs with homemade paper (adhesive) labels into the CD player as the label may peel and cause the CD to become jammed. You should use a permanent felt tip marker rather than adhesive labels on your homemade CDs. Ballpoint pens may damage CDs. Please contact an authorized dealer for further information.*

Note: *Do not use any irregularly shaped discs or discs with a scratch protection film attached.*

Always handle discs by their edges only. Clean the disc with an approved CD cleaner only. Wipe it from the center of the disc toward the edge. Do not clean in a circular motion.

Do not expose discs to direct sunlight or heat sources for extended periods.

MP3 and WMA Track and Folder Structure

Audio systems capable of recognizing and playing MP3 and WMA individual tracks and folder structures work as follows:

- There are two different modes for MP3 and WMA disc playback: MP3 and WMA track mode (system default) and MP3 and WMA folder mode.
- MP3 and WMA track mode ignores any folder structure on the MP3 and WMA disc. The player numbers each MP3 and WMA track on the disc (noted by the MP3 or WMA file extension) from T001 to a maximum of T255. The maximum number of playable MP3 and WMA files may be less depending on the structure of the CD and exact model of radio present.

Audio System

- MP3 and WMA folder mode represents a folder structure consisting of one level of folders. The CD player numbers all MP3 and WMA tracks on the disc (noted by the MP3 or WMA file extension) and all folders containing MP3 and WMA files, from F001 (folder) T001 (track) to F253 T255.
- Creating discs with only one level of folders helps with navigation through the disc files.

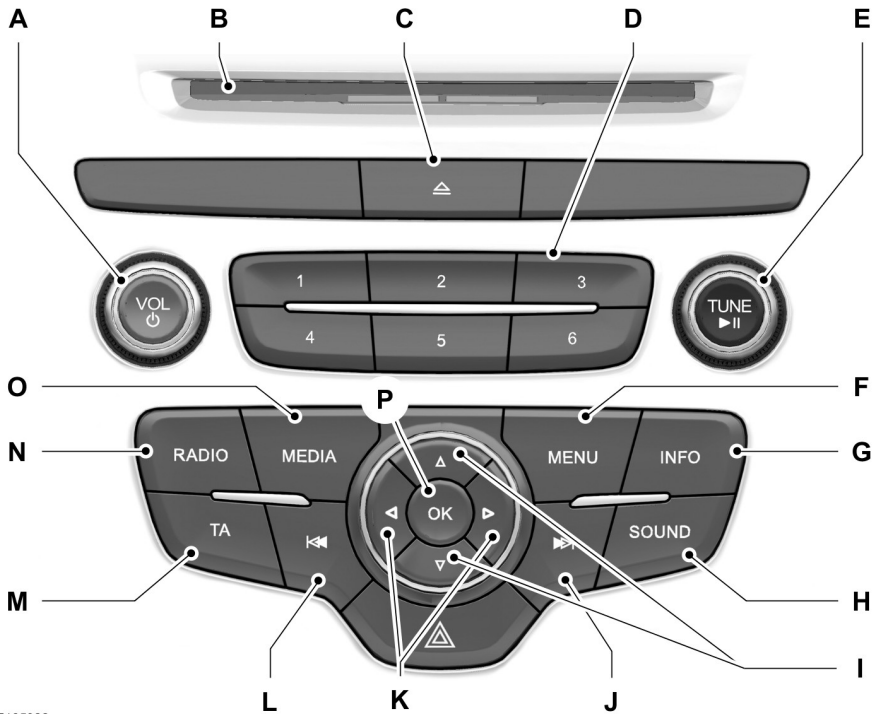
If you are burning your own MP3 and WMA discs, it is important to understand how the system reads the structures you create. While various files may be present, (files with extensions other than MP3 and WMA), only files with the MP3 and WMA

extension are played; other files are ignored by the system. This enables you to use the same MP3 and WMA disc for a variety of tasks on your work computer, home computer and your in-vehicle system.

In track mode, the system displays and plays the structure as if it were only one level deep (all MP3 and WMA files play, regardless of being in a specific folder). In folder mode, the system only plays the MP3 and WMA files in the current folder.

Audio System

AUDIO UNIT - VEHICLES WITH: AM/FM/CD



E185022

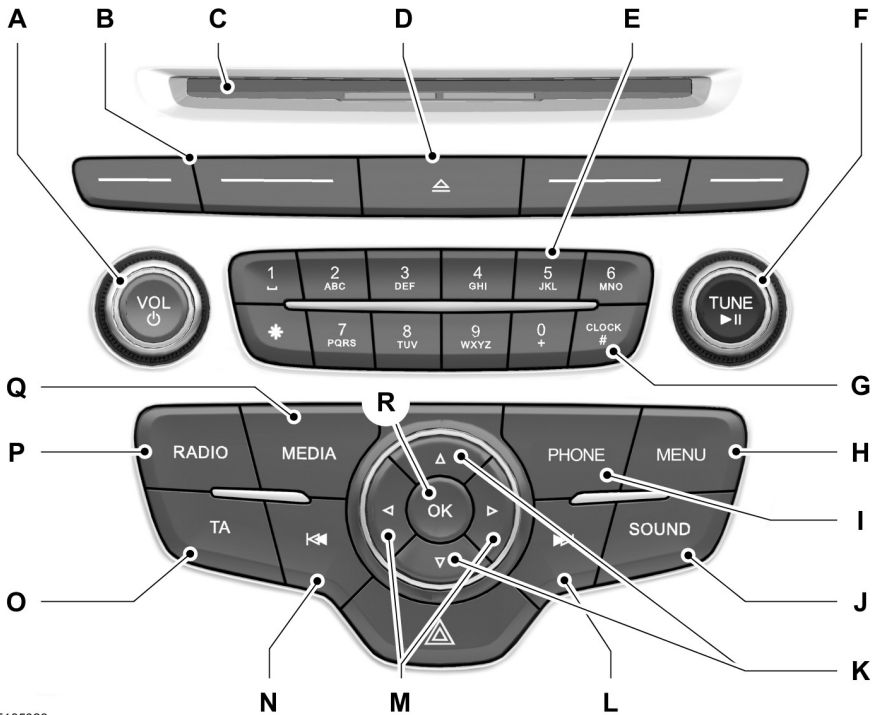
- A On, Off and Volume:** Press the button to switch the audio system on or off. Turn the dial to adjust the volume.
- B CD slot:** Where you insert a CD.
- C Eject:** Press the button to eject a CD.
- D Numeric keypad:** Press the button to recall a previously stored station. To store a favorite station press and hold until the sound returns.
- E TUNE and Play or Pause:** In radio mode, turn to search the frequency band in individual increments. Press to mute a station. In media mode, turn to select a new track. Press to either play or pause a track.

Audio System

- F **MENU:** Press this button to access different audio system features. See **Menu Structure** later in this section.
- G **INFO:** Press this button to access more information depending upon the source selected.
- H **SOUND:** Press the button to adjust the sound settings for bass, treble, middle, balance and fade. Use the up and down arrow buttons to select the required setting. Use the left and right arrow buttons to make the necessary adjustment. Press **OK** to set or press **MENU** to exit. Sound settings can be set for each audio source independently.
- I **Arrow up and down:** Press a button to scroll through on-screen choices.
- J **Seek and Fast Forward:** In radio mode, select a frequency band and press this button. The system stops at the first station up the band. Press and hold the button to move quickly, then release to stop at the next available station. In CD mode, press this button to select the next track. Press and hold the button to move quickly forward through the current track.
- K **Arrow left and right:** Press a button to scroll through on-screen choices.
- L **Seek and Reverse:** In radio mode, select a frequency band and press this button. The system stops at the first station down the band. Press and hold the button to move quickly, then release to stop at the previous available station. In CD mode, press this button to select the previous track. Press and hold the button to move quickly backward through the current track.
- M **TA:** Press the button to turn traffic announcements on or off and cancels announcements during an active announcement.
- N **RADIO:** Press this button to listen to the radio or change radio bands, for example AM, FM or DAB.
- O **MEDIA:** Press this button to listen to media or to switch between media sources, for example CD, USB or Line In.
- P **OK:** Press the button to confirm on-screen selections.

Audio System

AUDIO UNIT - VEHICLES WITH: SYNC



E185023

- A **On, off and VOL:** Press this button to turn the system off and on. Turn it to adjust the volume.
- B **Function buttons 1 - 4:** Select different functions of the audio system depending on which mode you are in (for example Radio mode or CD mode).
- C **CD slot:** Insert a CD.
- D **Eject:** Press this button to eject a CD.
- E **Number block:** In radio mode, store and recall your favorite radio stations. To store a radio station, tune to the station, then press and hold a preset button until sound returns. In CD mode, select a track. In phone mode, enter a phone number.


Audio System

- F **TUNE and Play or Pause:** In radio mode, turn to search the frequency band in individual increments or jump to the next station of the station list. Press to mute a station. In media mode, turn to select a new track. Press to either play or pause a track.
- G **CLOCK:** Press to display the clock.
- H **MENU:** Press this button to access different audio system features. See **Menu Structure** later in this section.
- I **PHONE:** Press this button to access the phone features of the SYNC system. See **SYNC™** (page 274).
- J **SOUND:** Press this button to access settings for Treble, Midrange, Bass, Fade and Balance. Use the up and down arrow buttons to select the various settings. When you make your selection, press the left and right arrow buttons to change the settings. Press **OK** to set or press **MENU** to exit. Sound settings can be set for each audio source independently.
- K **Arrow up and down:** Press to navigate within menus.
- L **Seek and Fast Forward:** In radio mode, select a frequency band and press this button. The system stops at the first station up the band. Press and hold the button to move quickly, then release to stop at the next available station. In CD mode, press this button to select the next track. Press and hold the button to move quickly forward through the current track.
- M **Arrow left and right:** Press to navigate within menus.
- N **Seek and Reverse:** In radio mode, select a frequency band and press this button. The system stops at the first station down the band. Press and hold the button to move quickly, then release to stop at the previous available station. In CD mode, press this button to select the previous track. Press and hold the button to move quickly backward through the current track.
- O **TA:** Press this button to turn traffic announcements on and off.
- P **RADIO:** Press this button multiple times to select a radio band. Press and hold to select the autostore function. Press to return to the main screen of the active radio band.
- Q **MEDIA:** Press this button multiple times to switch between CD and a SYNC-Media device. Press this button to return to the main screen of the active device.
- R **OK:** Press this button to confirm menu selections.

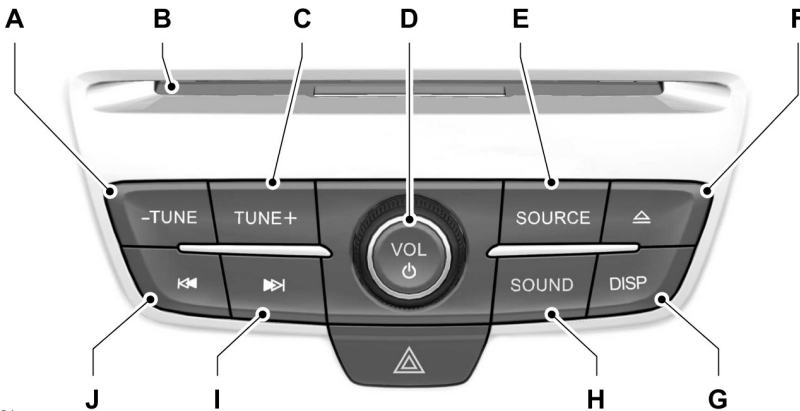
Audio System

AUDIO UNIT - VEHICLES WITH: SYNC 2

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: *The system controls most of the audio features. See **SYNC™ 2** (page 312).*



E185024

- A **-TUNE:** Press this button to manually search through the radio frequency band.
- B **CD slot:** Insert a CD.
- C **TUNE +:** Press this button to manually search through the radio frequency band.
- D **On, off and VOL:** Press this button to switch the audio system off and on. Turn to adjust the volume.
- E **SOURCE:** Press this button to access different audio modes, for example AM, FM and CD.

Audio System

- F Eject:** Press this button to eject a CD.
- G DISP:** Press this button to switch the display screen off.
- H SOUND:** Press this button to adjust the sound settings for Bass, Treble, Balance, Fade and Occupancy.
- I Seek and Fast Forward:** In radio mode, select a frequency band and press this button. The system stops at the first station up the band. Press and hold the button to move quickly, then release to stop at the next available station. In CD mode, press this button to select the next track. Press and hold the button to move quickly forward through the current track.
- J Seek and Reverse:** In radio mode, select a frequency band and press this button. The system stops at the first station down the band. Press and hold the button to move quickly, then release to stop at the previous available station. In CD mode, press this button to select the previous track. Press and hold the button to move quickly backward through the current track.

DIGITAL RADIO

The system allows you to listen to DAB (Digital Audio Broadcast) radio stations.

Note: *Coverage differs from region to region and will influence the quality of reception. It is broadcast nationwide, regionally and locally.*

The following formats are supported:

- DAB
- DAB+
- DMB-Audio (Digital Multimedia Broadcasting).

Ensembles

Ensembles contain a group of radio stations. Each ensemble can consist of several different radio stations.

The radio station name displays below the ensemble name.

Note: *When you tune from one ensemble to another, it can take a while until the system synchronizes to the next ensemble. The system mutes during synchronization.*

Selecting Radio Band

DAB1 and DAB2 operate in the same way. You can store up to 10 different presets on each band.

1. Press the **RADIO** button.
2. Press the left arrow button to display the available wavebands.
3. Select **DAB1** or **DAB2**.

Radio Station Tuning Control

Press the **RADIO** button and select **DAB1** or **DAB2**. Both preset banks operate in the same way and can store up to 10 different preset radio stations.

Note: *When you reach the first or last radio station within an ensemble, further tuning will skip to the next ensemble. There may be a delay during this change and the audio will briefly mute.*

Seek Tuning

1. Press a seek button. The system will stop at the first radio station it finds in the direction chosen.

Audio System

Radio Station List

This feature displays all the available radio stations in a list.

1. Press function button 1.
2. Press the left or right arrow buttons to change ensembles. Press the up or down arrow button to navigate to your required radio station.
3. Press **OK** to confirm your selection.

Note: *The display will only show radio stations in the current ensemble.*

Manual Tuning

1. Press function button 2.
2. Press the left or right arrow button to tune up or down the waveband in small increments. Press and hold to move through the waveband quickly.
3. Press **OK** to confirm your selection.

Note: *Seek tuning is also possible within this screen.*

Radio Station Preset Buttons

This feature allows you to store up to 10 favorite radio stations from any ensemble in each preset bank.

1. Select a radio station.
2. Press and hold one of the preset buttons. A progress bar and message will appear. When the progress bar completes the radio station has been stored. The system will mute momentarily as confirmation.

Once stored press a preset button at any time to select a favourite radio station.

Note: *Radio stations stored on the preset buttons may not always be available if you have left the coverage area. The system will mute when this happens.*

Radio Text

You can display extra information. For example; artist name. To switch this option on, select a radio station and press function button 3.

Note: *Extra information may not always be available.*

Service Linking

If you leave the coverage area of a DAB radio station the system will automatically switch to the corresponding FM radio station.

You can switch this feature on and off using the information display.

Note: *If a DAB radio station has no corresponding FM radio station, the audio will mute when attempting to switch.*

Note: *The system will display the FM symbol when DAB and FM radio stations link.*

DIGITAL RADIO - VEHICLES WITH: SYNC 2

The system allows you to listen to DAB (Digital Audio Broadcast) radio stations.

Note: *Coverage differs from region to region and will influence the quality of reception. It is broadcast nationwide, regionally and locally.*

The following formats are supported:

- DAB
- DAB+
- DMB-Audio (Digital Multimedia Broadcasting).

Ensembles

Ensembles contain a group of radio stations. Each ensemble can consist of several different radio stations.

Audio System

The radio station name displays below the ensemble name.

Note: *When you tune from one ensemble to another, it can take a while until the system synchronizes to the next ensemble. The system mutes during synchronization.*

Selecting Radio Band

DAB 1, DAB 2 and DAB 3 operate in the same way. You can store up to 6 different presets on each band.

1. Press the **RADIO** button.
2. Press the left arrow button to display the available wavebands.
3. Select **DAB 1**, **DAB 2** or **DAB 3**.

Radio Seek Tuning

Press the **RADIO** button and select **DAB 1**, **DAB 2** or **DAB 3**. All preset banks operate in the same way and can store up to 6 different preset radio stations.

Note: *When you reach the first or last radio station within an ensemble, further tuning will skip to the next ensemble. There may be a delay during this change and the audio will briefly mute.*

Radio Station Tuning Control

Radio Station List

This feature displays all the available radio stations in a list.

1. Press the browse button.
2. Press the previous or next arrow buttons to change ensembles.
3. Navigate through the list and select the required station by pressing the touch screen button for the station.
4. Press **OK** to confirm your selection.

Note: *The display will only show radio stations in the current ensemble.*

Manual Tuning

1. Press the tune plus or tune minus buttons.

Radio Station Preset Buttons

This feature allows you to store up to 6 favorite radio stations from any ensemble in each preset bank.

1. Select a radio station.
2. Press and hold one of the preset buttons. A progress bar and message will appear. When the progress bar completes the radio station has been stored. The system will mute momentarily as confirmation.

Once stored press a preset button at any time to select a favorite radio station.

Note: *Radio stations stored on the preset buttons may not always be available if you have left the coverage area. The system will mute when this happens.*

Radio Text

You can display extra information. For example; artist name. To switch this option on, select the radio text on feature in the options menu.

Note: *Extra information may not always be available.*

Service Linking

If you leave the coverage area of a DAB radio station the system will automatically switch to the corresponding FM radio station.

You can switch this feature on and off.


Note: *If a DAB radio station has no corresponding FM radio station, the audio will mute when attempting to switch.*


Note: *The system will display the FM symbol when DAB and FM radio stations link.*


Audio System

AUDIO INPUT JACK

WARNINGS

 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.

 Do not connect or adjust the settings on your portable music player when your vehicle is moving.

 Do not place your portable music player on the instrument panel. Hard objects may become projectiles in a crash or sudden stop, which may increase the risk of serious injury.

1. Switch off the engine, radio and portable music player. Set the parking brake and put the transmission in position **P**.
2. Plug the extension cable from the portable music player into the audio input jack.
3. Switch the radio on. Select either a tuned FM station or a CD.
4. Adjust the volume as desired.
5. Switch your portable music player on and adjust its volume to half its maximum level.
6. Press **AUX** or **MEDIA** until **LINE** or **LINE IN** appears in the display. You should hear music from your device even if it is low.
7. Adjust the volume on your portable music player until it reaches the volume level of the FM station or CD. Do this by switching back and forth between the AUX and FM or CD controls.



E149149

The audio input jack allows you to connect and play music from a portable music player through your vehicle speakers. You can use any portable music player designed for use with headphones.

Your audio extension cable must have male 1/8th-inch (3.5 millimeter) connectors at each end.

USB PORT



E176344

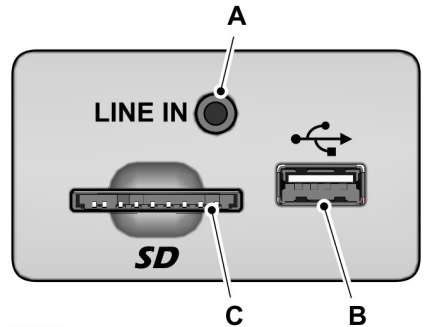
For item location: See **Center Console** (page 108).

The USB port allows you to plug in media playing devices, memory sticks and charge devices (if supported). See **SYNC™** (page 274).

Audio System

MEDIA HUB (If Equipped)

The media hub is located in the center console and has the following features:



E176343

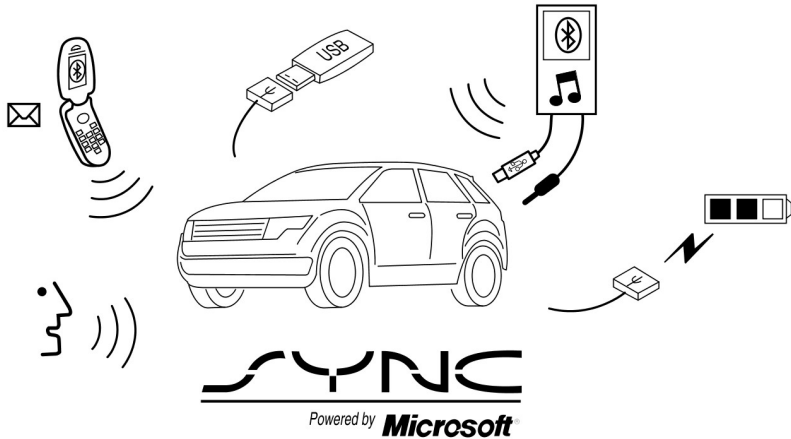
- A Auxiliary input jack (Line in).
- B USB port.
- C SD card slot.

Note: Additional USB ports may be located in other areas of your vehicle. See **USB Port** (page 272).

AUDIO TROUBLESHOOTING

Message	Description and Action
Please check CD	General error message for CD fault conditions. For example cannot read the CD, data-CD inserted, etc. Make sure the disc is loaded correctly. Clean and re-try, or replace disc with known music disc. If the error persists contact an authorized dealer.
CD Drive malfunction	General error message for a mechanism fault. The system has detected a fault that requires service.
CD drive too hot	General error message for the mechanism being too hot. The unit will not work until it has cooled down. If the error persists contact an authorized dealer.

GENERAL INFORMATION



E142598

SYNC is an in-vehicle communications system that works with your Bluetooth-enabled cell phone and portable media player.

This allows you to:

- Make and receive calls
- Access and play music from your media player
- Use Emergency Assistance
- Access phonebook contacts and music using voice commands
- Stream music from your connected cell phone
- Select pre-defined text messages

- Use the advanced voice recognition system
- Charge your USB device (if your device supports this).

Make sure that you review your device's manual before using it with SYNC.

Support

For further support, see an authorized dealer. For more information, visit the regional Ford website.

Safety 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.

When using SYNC:

- Do not operate playing devices if the power cords or cables are broken, split or damaged. Carefully place cords and cables where you cannot step on them or they do not interfere with the operation of pedals, seats, compartments or safe driving abilities.
- Do not leave playing devices in your vehicle during extreme conditions as it could cause them damage. Refer to your device's manual for further information.
- Do not attempt to service or repair the system. See an authorized dealer.

Privacy Information

When a cell phone is connected to SYNC, the system creates a profile that is linked to that cell phone. The system creates the profile to offer you more mobile features and to operate more efficiently. Among other things, this profile may contain data about your phonebook, text messages (read and unread) and call history. This will include the history of calls when your cell phone was not connected to the system. If you connect a media player, the system creates and retains an index of

supported media content. The system also records a short development log of approximately 10 minutes of all recent system activity. The log profile and other system data may be used to improve the system and help diagnose any problems that may occur.

The cell phone profile, media player index and development log will remain in the system unless deleted. They are generally accessible in your vehicle only when you connect your cell phone or media player. If you no longer plan to use the system or your vehicle, we recommend you complete a master reset to erase all stored information. See **SYNC™** (page 274).

Special equipment is required to access system data. Access to your vehicle's SYNC module is also required. We will not access the system data for any purpose other than as described without consent. Examples where system data can be accessed are for a court order, where required by law enforcement, other government authorities or other third parties acting with lawful authority. Other parties may seek to access the information independently of us. Further privacy information is available. See **SYNC™ Applications and Services** (page 289).

USING VOICE RECOGNITION

This system helps you control many features using voice commands. This allows you to keep your hands on the steering wheel and focus on what is around you.

Helpful Hints

Make sure the interior of your vehicle is as quiet as possible. Wind noise from open windows and road vibrations may prevent the system from correctly recognizing spoken commands.

Before giving a voice command, wait for the system announcement to finish followed by a single beep. Any command spoken before this does not register with the system.

Speak naturally, without long pauses between words.

You can interrupt the system at any time while it is speaking by pressing the voice button. You can also cancel a voice session at any time by pressing and holding the voice button.

Initiating a Voice Session



Press the voice button. A list of available commands appears in the display.

Command	Description
Bluetooth audio	Stream audio from your cell phone.
(cancel stop exit)	Cancel the requested action.
((line AV audio video) in AUX audio video)	Access the device connected to the auxiliary input jack.
(phone Blackberry iPhone Mobile)	Make calls.
(USB [stick] iPod MP3 [player])	Access the device connected to your USB port.
voice settings	Adjust the level of voice interaction and feedback.
[main menu] help	Hear a list of voice commands available in the current mode.

System Interaction and Feedback

The system provides feedback through audible tones, prompts, questions and spoken confirmations depending on the situation and your chosen level of interaction. You can customize the voice recognition system to provide more or less instruction and feedback.

The default setting is to a higher level of interaction in order to help you learn to use the system. You can change these settings at any time.

Adjusting the Interaction Level



Press the voice button. When prompted:

Command	Description
voice settings	Provides access to change the interaction level.

Then any of the following:

Command	Description
interaction mode advanced	Provides less audible interaction and more tone prompts.
interaction mode novice	Provides more detailed interaction and guidance.

Confirmation prompts are short questions the system asks when it is not sure of your request or when there is more than one possible response to your request. For example, the system may ask if the command phone is correct.

Press the voice button. When prompted:

Command	Description
voice settings	Provides access to change the confirmation prompt setting.

Then any of the following:

Command	Description
confirmation prompts off	Makes a best guess from the command. You may still occasionally be asked to confirm settings.
confirmation prompts on	Clarifies your voice command with a short question.

The system creates suggestion lists when it has the same confidence level of several options based on your voice commands. When switched on, the system may prompt you with as many as four possibilities for clarification.

Command	Description
media candidate lists off	Makes a best guess from the media suggestion list. The system may occasionally ask you questions.
media candidate lists on	Clarifies your voice command for media suggestions.
phone candidate lists off	Makes a best guess from the cell phone suggestion list. The system may occasionally ask you questions.
phone candidate lists on	Clarifies your voice command for cell phone suggestions.

Changing the Voice Settings

You can change the voice settings using

the information and entertainment display. Press the **MENU** button.

Action	Message
1	SYNC-Settings
2	Voice settings

USING SYNC™ WITH YOUR PHONE

Hands-free calling is one of the main features of SYNC. While the system supports a variety of features, many are dependent on your cell phone's functionality.

At a minimum, most cell phones with Bluetooth wireless technology support the following functions:

- Answering an incoming call.
- Ending a call.
- Using privacy mode.
- Dialing a number.
- Redialing.
- Call waiting notification.
- Caller ID.

Other features such as text messaging using Bluetooth and automatic phonebook download are cell phone dependent features. To check your cell phone's compatibility, refer to your device's manual or visit the regional Ford website.

Pairing a Cell Phone For the First Time

Wirelessly pairing your cell phone with the system allows you to make and receive hands-free calls.

Note: *You must switch the ignition and radio on.*

Note: *To scroll through the menus, press the up or down arrows on your audio system.*

1. Make sure the Bluetooth feature on your cell phone is switched on before starting the search. Refer to your device's manual if necessary.
2. Press the **PHONE** button. When the audio display indicates that no phones are paired, select the option to add.
3. When a message to begin pairing appears in the audio display, search for SYNC on your cell phone to start the pairing process.
4. Select SYNC on your cell phone.
5. Wait until the PIN appears on the phone display. Compare the PIN on the phone with the PIN shown in the audio display and accept the request on the phone and the vehicle display. The display indicates when the pairing is successful.

Note: *In some cases the phone will request to enter a PIN. Enter the six-digit PIN provided by the system in the audio display. The display indicates when the pairing is successful.*

Depending on your cell phone's capability and your market, the system may prompt you with questions such as setting the current cell phone as the primary cell phone (the cell phone the system automatically tries to connect with first when you switch the ignition on) or downloading your phonebook.



The information display may show your cell phone's battery charge level and signal strength.

Pairing Subsequent Cell Phones

Wirelessly pairing your cell phone with the system allows you to make and receive hands-free calls.

Note: You must switch the ignition and radio on.

Note: To scroll through the menus, press the up or down arrows on your audio system.

1. Make sure the Bluetooth feature on your cell phone is switched on before starting the search. Refer to your device's manual if necessary.
2. Press the **PHONE** button.
3. Select the option for Bluetooth devices.
4. Press the **OK** button.
5. Select the option to add. This starts the pairing process.
6. When a message to begin pairing appears in the audio display, search for SYNC on your device to start the pairing process.
7. Select SYNC on your cell phone.
8. Wait until the PIN appears on the phone display. Compare the PIN on the phone with the PIN shown in the audio display and accept the request on the phone and the vehicle display. The display indicates when the pairing is successful.

Note: In some cases the phone will request to enter a PIN. Enter the six-digit PIN provided by the system in the audio display. The display indicates when the pairing is successful.

The system may prompt you with questions such as setting the current cell phone as the primary cell phone or downloading your phonebook.

Cell Phone Voice Commands



Press the voice button and when prompted say either:

Command	Action
call (someone [[a] name])	You do not need to say "phone" prior to these commands.
Call <name> at home	You do not need to say "phone" prior to these commands.
Call <name> at work	You do not need to say "phone" prior to these commands.
Call <name> in office	You do not need to say "phone" prior to these commands.
Call <name> on cell	You do not need to say "phone" prior to these commands.
Call <name> on other	You do not need to say "phone" prior to these commands.
dial [[a] number]	You do not need to say "phone" prior to these commands.
([go to] privacy [on] transfer to phone handsfree off)	These commands are only available during a call.

Command	Action
(hold call [on] (put place) call on hold)	These commands are only available during a call.
(hold call off take call off hold)	These commands are only available during a call.
mute [call] [on]	These commands are only available during a call.
(mute [call] off Unmute [call])	These commands are only available during a call.
join (call calls)	These commands are only available during a call.

Press the voice button and when prompted say either:

Phonebook Commands

When you ask the system to access a phonebook name or number the requested information appears in the audio display.

Command	Action
call (someone [[a] name])	To call the contact.
dial [[a] number]	112 (one-one-two), 700 (seven hundred) etc.
Pound	
Number	0 (zero) to 9 (nine)
Asterisk	
clear	Deletes all entered digits
(delete correct)	Deletes the last set of entered digits.
Plus	
Star	

Note: To exit dial mode, press and hold the phone button or any button on the audio unit.

Menu Commands

Press the voice button and when prompted say either:

Command
(turn ringer on silent mode off)
(turn ringer off silent mode [on])

Words in parentheses or brackets are optional and do not have to be spoken for the system to understand the command.

Making a Call

Press the voice button and when prompted say either:

Command	Action
call (someone [[a] name])	
dial [[a] number]	Followed by a number. When the system confirms the number say: dial [[a] number]

To erase the last spoken digit say:

Command	Action
(delete correct)	Or press the left arrow button on the audio unit.

To erase all spoken digits say:

Command	Action
clear	Or press and hold the left arrow button on the audio unit.

To end the call, press the end call button on the steering wheel or select the end call option in the audio display and press **OK**.

Receiving a Call

When receiving a call, you can:

- Answer the call by pressing the accept call button on the steering wheel or by selecting the accept call option in the audio display. Press the **OK** button.
- Reject the call by pressing the reject call button on the steering wheel or by selecting the reject call option in the audio display. Press the **OK** button.

- Ignore the call by doing nothing.

Cell Phone Options During an Active Call

During an active call, you have extra menu features which become available, for example putting a call on hold.

To access this menu, choose one of the options available at the bottom of the audio display or select the option for more.

Message	Description and Action
Mic. off	Turn your vehicle's microphone off. To turn the microphone on, select the option again.
Privacy	Switch a call from an active hands-free environment to your cell phone for a more private conversation. When selected, the audio display will indicate the call is private.
Hold	Put an active call on hold. When selected, the audio display will indicate the call is on hold.
Dial a number	Enter numbers using the audio system numeric keypad, for example numbers for passwords.
Join calls	Join two separate calls. The system supports a maximum of three callers on a multi-party or conference call. <ol style="list-style-type: none"> 1. Select the option for more. 2. Access the desired contact through the system or use voice commands to place the second call. Once actively in the second call, select the option for more. 3. Scroll to the option to join calls and press the OK button.
Phonebook	Access your phonebook contacts. <ol style="list-style-type: none"> 1. Select the option for more. 2. Scroll to the option for phonebook and press the OK button. 3. Scroll through your phonebook contacts.

Message	Description and Action
	<ol style="list-style-type: none"> 4. Press the OK button again when the desired selection appears in the audio display. 5. Press the OK button or dial button to call the selection.
Call history	<p>Access your call history log.</p> <ol style="list-style-type: none"> 1. Select the option for more. 2. Scroll to the option until call history appears. Press the OK button. 3. Scroll through your call history options (incoming, outgoing or missed). 4. Press the OK button again when the desired selection appears in the audio display. 5. Press the OK button or dial button to call the selection.

Accessing Features Through the Cell Phone Menu

You can access your call history, phonebook, sent text messages as well as access cell phone and system settings. You can also access advanced features such as emergency assistance.

The system attempts to automatically re-download your phonebook and call history each time your cell phone connects to the system. You must turn on the auto download feature if your cell phone supports it.

Note: *This is a cell phone dependent feature.*

1. Press the **PHONE** button to enter the cell phone menu.
2. Select one of the options available.

Message	Description and Action
Dial a number	Dial a number using the audio system numeric keypad.
Redial	Redial the last number called (if available). Press the OK button to select.
Phonebook	<p>Access your downloaded phonebook.</p> <ol style="list-style-type: none"> 1. Press the OK button to confirm and enter. You can use the options at the bottom of the screen to quickly access an alphabetical category. You can also use the letters on the keypad to jump in the list. 2. Scroll through your phonebook contacts.

Message	Description and Action
	<ol style="list-style-type: none"> 3. Press the OK button again when the desired selection appears in the audio display. 4. Press the OK button or dial button to call the selection.
Call history	<p>Access any previously dialed, received or missed calls.</p> <ol style="list-style-type: none"> 1. Press the OK button to select. 2. Scroll to select either incoming calls, outgoing calls or missed calls. Press the OK button to make your selection. 3. Press the OK button or dial button to call the selection.
Speed Dial	<p>Select one of 10 speed dial entries. To set a speed dial entry, go to the phonebook and press and hold one of the numbers on the audio system numeric keypad.</p>
Text messaging	<p>Send, download and delete text messages.</p>
BT Devices	<p>Access the option for Bluetooth device menu listings (add, connect, set as primary, on or off, delete).</p>
Phone settings	<p>View various settings and features on your cell phone.</p>
Emergency Assistance	<p>Turn the SYNC emergency assistance feature on or off.</p>

Text Messaging

The system allows you to receive, send, download and delete text messages. The system can also read incoming text messages to you so that you do not have to take your eyes off the road.

Note: *This is a cell phone dependent feature.*

Receiving a Text Message

When a new message arrives, an audible tone sounds and the audio display indicates you have a new message.

You have these options:

- Select the listen option to have the system read the message to you.
- Select the view option to open the text message. Select the ignore option or do nothing and the message goes into your text message inbox. Once selected, you have the ability to have the message read out to you, to view other messages or to select the more option.
- Press the voice button and say "Read text message".
- Select the more option and use the arrow buttons to scroll through further options.

Note: *Your cell phone must support downloading text messages using Bluetooth to receive incoming text messages.*

Choose from the following:

Message	Action
Reply to sender	Press the OK button to access and then scroll through the list of pre-defined messages to send.
Call sender	Press the OK button to call the sender of the message.
Forward msg.	Press the OK button to forward the message to anyone in your phonebook or call history. You can also choose to enter a number.

Sending, Downloading and Deleting Your Text Messages

1. Press the **PHONE** button.

2. Select the text messaging option, then press the **OK** button.

Choose from the following:

Message	Description and Action
New	When you select the option to send a text message, a list of pre-defined messages appear in the audio display. Allows you to send a new text message based on a pre-defined set of 15 messages.
View	Allows you to read the full message and in addition provides the option to have the message read out to you by the system. To go to the next message select the more option. This allows you to reply to the sender, call the sender or forward the message.
Delete	Allows you to delete current text messages from the system (not your cell phone). The audio display indicates when all your text messages have been deleted.
More...	Allows you to delete all messages or to manually trigger a download of all unread messages from your cell phone.

Sending a Text Message

1. Select the send option when the desired selection is highlighted in the audio display.
2. Select the confirmation option when the contact appears and press the **OK** button again to confirm when the system asks if you would like to send the message. Each text message is sent with a pre-defined signature.

Note: You can send text messages either by choosing a contact from the phonebook and selecting the text option from the audio display or by replying to a received message in the inbox.

Note: Only one recipient is allowed per text message.

Accessing Your Cell Phone Settings

These are cell phone dependent features. Your cell phone settings allow you to access and adjust features such as your ringtone, text message notification, modify your phonebook and set up automatic

download.

1. Press the **PHONE** button.
2. Scroll until the phone settings option appears, then press the **OK** button.
3. Scroll to select from the following options:

Message	Description and Action
Set as master	If this option is checked, the system will use this cell phone as the master when there is more than one cell phone paired to the system. This option can be changed for all paired cell phones (not only for the active one) using the Bluetooth devices menu.
Phone status	See the cell phone name, provider name, cell phone number, signal level and battery level. When done, press the left arrow button to return to the cell phone status menu.
Set ringtone	<p>Select which ringtone sounds during an incoming call (one of the system's or your cell phone's). If your cell phone supports in-band ringing, your cell phone's ringtone sounds when you choose the cell phone ringtone option.</p> <ol style="list-style-type: none"> 1. Press the OK button to select and scroll to hear each ringtone. 2. Press the OK button to select.
Text msg notify	Have the option of hearing an audible tone to notify you when a text message arrives. Press the OK button to turn the audible tone on or off.
Phonebook pref.	Modify the contents of your phonebook, e.g. add, delete, download. Press the OK button to select and scroll between the options in the table below.

To modify the phone book preferences, choose from the following:

Message	Description and Action
Add contacts	Push the desired contacts on your cell phone. Refer to your device's manual on how to push contacts. Press the OK button to add more contacts from your phonebook.
Delete	When a message asking you to delete appears, select the option to confirm. Press the OK button to delete the current phonebook and call history. The system takes you back to the menu for phone settings.
Download now	Press the OK button to select and download your phonebook to the system.
Auto-download	When automatic download is switched on, any changes, additions or deletions saved in the system since your last download are deleted. When automatic download is switched off, your phonebook will not be downloaded when your cell phone connects to the system. Your phonebook, call history and text messages can only be accessed when your paired cell phone is connected to the system. Check or uncheck this option to automatically download your phonebook each time your cell phone connects to the system. Downloading times are cell phone dependent and quantity dependent.

Bluetooth Devices

This menu provides access to your Bluetooth devices. Use the arrow buttons to scroll through the menu options. It allows you to add, connect and delete devices and set a cell phone as primary.

Bluetooth Devices Menu Options

1. Press the **PHONE** button.
2. Scroll until the Bluetooth device option appears, then press the **OK** button.
3. Scroll to select from the following options:

Message	Description and Action
Add	Pair additional cell phones to the system. <ol style="list-style-type: none"> 1. Select the option to add to start the pairing process. 2. When a message to begin pairing appears in the audio display, search for SYNC on your cell phone. Refer to your device's manual if necessary. 3. Select SYNC on your cell phone.

Message	Description and Action
	<ol style="list-style-type: none"> 4. Wait until the PIN appears on the phone display. Compare the PIN on the phone with the PIN shown in the audio display and accept the request on the phones and the vehicles display. The display indicates when the pairing is successful.* 5. When the option to set the cell phone as the primary cell phone appears, select either yes or no. 6. Depending on the functionality of your cell phone, the system may ask you extra questions (for example, if you would like to download your phonebook). Select either yes or no to confirm your response.
Delete	After deleting a cell phone from the list, the cell phone can only be connected again by repeating the full pairing process. Select the delete option and confirm when the system asks to delete the selected device.
Master	The system attempts to connect with the primary cell phone every time you switch the ignition on. When a cell phone is selected as primary, it appears first in the list and is marked with an asterisk. Set a previously paired cell phone as your primary cell phone. Select the master option to confirm the primary cell phone.
Conn.	Connect a previously paired cell phone. You can only have one cell phone connected at a time to use the cell phone functionality. When another cell phone is connected, the previous cell phone will be disconnected from the telephone services. The system allows you to use different Bluetooth devices for the cell phone functionality and the Bluetooth audio music playback feature at the same time.
Discon.	Disconnects the selected cell phone. Select this option and confirm when asked to. After disconnecting a cell phone, it can be connected again without repeating the full pairing process.

*In some cases the phone will request to enter a PIN. Enter the six-digit PIN provided by the system in the audio display. The display indicates when the pairing is successful.

System Settings

1. Press the **MENU** button.
2. Select the SYNC settings option, then press the **OK** button.
3. Scroll to select from the following options:

Message	Description and Action
Bluetooth on	Check or uncheck this option to turn the Bluetooth interface of the system on or off. Select this option then press the OK button to change the option's status.
Set defaults	This selection does not erase your indexed information (phonebook, call history, text messages and paired devices). Select this option and confirm when prompted in the audio display. Return to the factory default settings.
Master reset	Completely erase all information stored on the system (phonebook, call history, text messages and paired devices) and return to the factory default settings. Select this option and confirm when prompted in the audio display. The display indicates when complete and the system takes you back to the previous menu.
Install on SYNC	Install applications or software updates you have downloaded. Select this option and confirm when prompted in the audio display. There must be a valid SYNC application or update available on the USB thumb drive in order to finish an installation successfully.
System info	Display the system's version numbers as well as its serial number. Press the OK button to select.
Voice settings	The voice settings submenu contains various options. See Using Voice Recognition (page 275).
Browse USB	Browse the actual menu structure of the connected USB device. Press the OK button and use the up or down arrows to scroll through the folders and files. Use the left or right arrows to enter and leave a folder. Media content can be directly selected for playback from this menu.
Emergency Assistance	You can turn the emergency assistance feature on or off. See SYNC™ Applications and Services (page 289).

Press the **MENU** button to enter the system menu.

SYNC™ APPLICATIONS AND SERVICES

A list of available applications appears. Each application may have its own specific settings.

Message	Description and Action
SYNC-Apps	Scroll to this option, and then press OK .

SYNC Emergency Assistance

WARNINGS



For this feature to work, your cell phone must have Bluetooth and be compatible with the system.



Always place your cell phone in a secure location inside your vehicle. Failure to do so may cause serious injury to someone or damage the cell phone which could prevent this feature from working correctly.



Unless the feature setting is switched on prior to a crash, the system will not attempt to place an emergency call which could delay the response time, potentially increasing the risk of serious injury or death. Do not wait for the system to make an emergency call if you can do it yourself. Dial emergency services immediately to avoid a delayed response time. If you do not hear Emergency Assistance within five seconds of the crash, the system or cell phone may be damaged or non-functional.

If a crash deploys an airbag or triggers the fuel pump shut off, the system may contact emergency services by dialing 112 (the wireless emergency number that works in most European countries) through a paired and connected cell phone. For more information about the system and Emergency Assistance, visit the regional Ford website.

Note: Before selecting this feature, you must read the Emergency Assistance privacy notice later in this section for important information.

Note: When you switch this feature on or off, that setting applies for all paired cell phones. If you have turned this feature off and a previously paired phone connects when you switch on the ignition, either a voice message plays, a display message or icon is shown, or both.

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

Note: Make sure you are familiar with the information about airbag deployment. See **Supplementary Restraints System** (page 27).

Switching Emergency Assistance On and Off

Press the **MENU** button then select:

Message	Action
SYNC-Apps	Press OK .
Emergency Assistance	Press OK . Select the option you require and press OK .

Display Options

If you switch on this feature, a confirmation message appears in the display.

If you switch off this feature, a dialog will appear in the display, which allows you to set a voice reminder.

Off with voice reminder provides a display and voice reminder when your cell phone connects and your vehicle starts.

Off without voice reminder provides a display reminder only without a voice reminder when your cell phone connects.

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.

Note: *This feature only works in a European country or region where SYNC Emergency Assistance can call the local emergency services. Visit the regional Ford website for details.*

In the Event of a Crash

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. The system attempts to dial 112.*

Before making a call:

- If you do not cancel the call and SYNC makes a successful 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 attempts to dial 112.
- 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 function button or by pressing the end call button on the steering wheel.

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.*

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 SYNC 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 European country or region where the SYNC Emergency Assistance cannot place the call. Visit the regional Ford website for details.

Important Information about the Emergency Assistance Feature

Emergency Assistance does not currently call emergency services in the following markets: Albania, Belarus, Bosnia and Herzegovina, Macedonia, Netherlands, Ukraine, Moldova and Russia.

Visit the regional Ford website for the latest details.

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.

SYNC AppLink

The system enables voice and manual control of SYNC AppLink enabled smartphone apps. Once an app is running through AppLink, you can control main features of the app through voice commands and manual controls.

Note: *You must pair and connect your smartphone to SYNC to access AppLink.*

Note: *iPhone users need to connect the phone to the USB port.*

Note: *Android users need to connect the phone to SYNC using Bluetooth.*

Note: For information on available apps, supported smartphone devices and troubleshooting tips please visit the Ford website.

Note: Make sure you have an active account for the app that you have downloaded. Some apps will work automatically with no setup. Other apps will want you to configure your personal settings and personalize your experience by creating stations or favorites. We recommend you do this at home or outside of your vehicle.

To Access Using the SYNC Menu

Scroll through the list of available applications and press **OK** to select an app. Once an app is running through SYNC, press the right arrow button to access the app menu. You can access various app features from here, for example thumbs up and thumbs down. Press the left arrow button to exit the app menu.

Press the **MENU** button then select:

Message	Description and Action
SYNC-Apps	
Mobile Apps	Scroll to this option, and then press OK .
Find new Apps	Select this option if the app required is not listed.

Note: If a SYNC Applink compatible app cannot be found, make sure the required app is running on the mobile device.

To Access Using Voice Commands

Press the voice button and when prompted say:

Command	Description and Action
mobile (apps applications)	Say the name of the application after the tone. The application will start. While an app is running through SYNC, you can press the voice button and speak commands specific to the app.

The following voice commands are always available:

Command	Description and Action
[main menu] help	Use this command to hear a list of available voice commands.
mobile (apps applications)	The system will prompt you to say the name of the app to start it.
list [mobile] (apps applications)	The system will list all of the currently available mobile apps.

Command	Description and Action
find [new] [mobile] (apps applications)	The system will search your connected mobile device for SYNC compatible apps.
<the name of the app>	Say the name of an app to start it on SYNC.
<the name of the app> Help	The system will list the available voice commands for the requested app.
(quit exit close)	Use this command followed by the name of the app.

Press the **MENU** button then select:

Enabling and Disabling Push Notifications

Some apps can send push notifications. A push notification is an alert from an app running in the background and is delivered by voice, pop up or both. This may be particularly useful for news or location based apps.

Message	Description and Action
SYNC-Apps	
Mobile Apps	
Settings	
All Apps	If push notifications are supported, this setting will be listed. Select to enable or disable the feature as required.

Enabling SYNC Mobile Apps

To use the system you must consent to send and receive app authorization information and updates, using the data plan associated with the connected device.

Data is sent to Ford in the United States through the connected device. The information is encrypted and includes your VIN, SYNC module number, anonymous usage statistics and debugging information. Updates may take place automatically.

Note: You must enable mobile apps for each connected device the first time you select a mobile app using the system.

Note: Standard data rates will apply. Ford is not responsible for any additional charges you may receive from your service provider, when your vehicle sends or receives data through the connected device. This includes any additional charges incurred due to driving in areas when roaming out of a home network.

App Status

You can view the current status of an app

in the settings menu. There are three possible statuses:

Message	Description and Action
Update needed	The system has detected a new app requiring authorization or a general permissions update is required.
Up-to-date	No update is required.
Updating...	The system is trying to receive an update.

Options in the settings menu:

Message	Description and Action
Request Update	If an update is required and you want to manually request the update, for example when you are in a Wi-Fi hotspot.
Disable Updates	Select this option to disable automatic updates.

App Permissions

Permissions are divided by groups. You can grant these group permissions individually. You can change a permission group status any time when not driving, by using the settings menu.

When you launch an app using SYNC, the system may ask you to grant certain permissions, for example:

- To allow your vehicle to provide vehicle information to the app including, but not limited to: Fuel level, fuel consumption, engine speed, battery voltage, odometer, VIN, external temperature, gear position, tire pressure, ambient temperature, date and time.
- To allow your vehicle to provide driving characteristic information, including, but not limited to: MyKey, seat belt status, engine speeds, braking events, brake pedal switch, acceleration, accelerator pedal position, clutch pedal switch, trip length, trip time, trip cost, percent engine on time, and percent of time at speed.

- To allow your vehicle to provide location information, including: GPS and speed.
- To allow the app to send push notifications using the vehicle display and voice capabilities while running in a background state.

Note: You will only need to grant permissions the first time you use an app with SYNC.

Note: We are not responsible or liable for any damages or loss of privacy relating to usage of an app, or dissemination of any vehicle data that you approve us to provide to an app.

USING SYNC™ WITH YOUR MEDIA PLAYER

You can access and play music from your media player through your vehicle's speaker system using the system's media menu or voice commands. You can also sort and play your music by specific categories, for example artist or albums.

SYNC is capable of hosting nearly any media player including: iPod, Zune, Plays from device players, and most USB drives. SYNC also supports audio formats, for example MP3, WMA, WAV and ACC.

Voice Command	Description and Action
(USB [stick] iPod MP3 [player])	You can now play music by saying any of the appropriate voice commands. Refer to the media voice commands.

You do not need to say words that appear within square brackets. For example, for where (USB [stick] | iPOD | MP3 [player]) appears, you can say USB or USB stick.

To Connect Using the System Menu

1. Plug the device into your vehicle's USB port.

Confirm that the USB device has been formatted correctly and has the following specifications:

- USB 2.0.
- File format must be FAT16/32.
- Supply current not greater than 500mA.

Note: NTFS file format is not supported.

The format of the audio files on the USB device must be:

- MP3.
- Non DRM protected WMA.
- WAV.
- AAC.

Connecting Your Media Player to the USB Port

Note: If your media player has a power switch, make sure you switch on the device.

To Connect Using Voice Commands

1. Plug the device into your vehicle's USB port.
2. Press the voice button and when prompted say:

2. Press the **AUX** button until an initializing message appears in the display.

Message	Description and Action
Browse USB	Depending on how many media files are on your connected device, an indexing message may appear in the display. When indexing is complete, the screen returns to the playback menu.

Choose from the following:

Message
Play all
Playlists
Songs
Artists
Albums
Genres
Browse USB
Reset USB
Exit

What's Playing?

At any time during playback, you can press the voice button and ask the system what is playing. The system reads the metadata tags of the current track, if populated.

Media Voice Commands



Press the voice button and when prompted say:

Voice Command	Description and Action
(USB [stick] iPod MP3 [player])	You can now play music by saying any of the appropriate voice commands.

You can say any of the voice commands that appear within open and close brackets that are separated by |. For example, where; (what's | what is) appears you say; what's or what is.

You must say any of the voice commands that appear outside of open and close brackets. For example, where; who plays this (what's | what is) playing, you must say; who plays this (what's or what is) playing.

Then any of the following:

Voice Command	
play	
pause	
play [album] [by [artist]]	*
Play all	
play [artist]	*
play [genre]	*
[play] next track	
play [playlist]	*
[play] previous track	
play [song track title file]	*
repeat off	
repeat one [on]	
(browse search show) album	
(browse search show) artist	
(browse search show) genre	

Voice Command
(browse search show) playlist
(browse search show) all (album albums)
(browse search show) all (artist artists)
(browse search show) all (genre genres)
(browse search show) all (playlist playlists)
(browse search show) all (song songs title titles file files track tracks)
shuffle [all] [on]
shuffle off
[play] (similar music more like this)
((who's who is) this who plays this (what's what is) playing [now] (what which) (song track artist) is this (who's who is) playing (what's what is) this)

* This voice command is not available until indexing is complete.

Voice Command Guide

Voice Command	Description and Action
(browse search show) genre	The system searches all the data from your indexed music and if available, begins to play the chosen type of music.
[play] (similar music more like this)	The system compiles a playlist and then plays similar music to what is currently playing from the USB port using indexed metadata information.
(browse search show) artist	The system searches for a specific artist, track or album from the music indexed through the USB port.
(browse search show) album	The system searches for a specific artist, track or album from the music indexed through the USB port.

The system is also capable of playing music from your cell phone through Bluetooth.

To switch the Bluetooth audio on, use the **AUX** or **Source** button or press the voice button and when prompted and say:

Voice Command	Description and Action
Bluetooth audio	

Then any of the following:

Voice Command	Description and Action
pause	
play	
[play] next track	
[play] previous track	

Media Menu Features

Press **AUX** to select USB playback.

The media menu allows you to select how to play your music, for example by artist, genre, shuffle or repeat, and to find similar music or reset the index of your USB devices.

Message	Description and Action
Options	This will enter the media menu.

Then any of the following:

Message	Description and Action
Shuffle	Choose to shuffle or repeat your music. Once you make your choice, it remains on until you switch it off.
Repeat track	Choose to shuffle or repeat your music. Once you make your choice, it remains on until you switch it off.
Similar music	You can play similar types of music to the current playlist from the USB port. The system uses the metadata information of each track to compile a playlist. The system then creates a new list of similar tracks and then begins playing. Each track must have the metadata tags populated for this feature. With certain playing devices, if your metadata tags are not populated, the tracks will not be available in voice recognition, the play menu or this option. However, if you place these tracks onto your playing device in mass storage device mode they are available in voice recognition, the play menu or this option. The system places unknowns into any unpopulated metadata tag.
Reset SYNC USB	Resets the USB index. After the new indexing is complete you can choose what to play from the USB song library.

Accessing Your USB Song Library

1. Plug the device into your vehicle's USB port.

2. Press **AUX** to select USB playback.

Message	Description and Action
Browse USB	This menu allows you to select and play your media files by artist, album, genre, playlist and track or even to browse what is on your USB device.

If there are no media files to access, the display indicates there is no media. If there are media files, you have the following options to scroll through and select:

Message	Description and Action
Play all	<p>Play all indexed media files from your playing device one at a time in numerical order.*</p> <ol style="list-style-type: none"> 1. Press OK to select. The first track title appears in the display.
Playlists	<p>Access your playlists from formats, ASX, M3U, WPL or MTP.*</p> <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to select the desired playlist, and then press OK.
Songs	<p>Search for and play a specific indexed track.*</p> <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to select the desired track, and then press OK.
Artists	<p>Sort all indexed media files by artist. Once selected, the system lists and then plays all artists and tracks alphabetically.*</p> <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to select the desired artist, and then press OK.
Albums	<p>Sort all indexed media files by albums.*</p> <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to select the desired albums, and then press OK.
Genres	<p>Sort indexed music by genre type.*</p> <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to select the desired genre, and then press OK.

Message	Description and Action
Browse USB	Browse all supported media files on your media player connected to the USB port. You can only view media files that are compatible with SYNC; other saved files are not visible. <ol style="list-style-type: none"> 1. Press OK to select. 2. Scroll to browse indexed media files on your flash drive, and then press OK.
Reset USB	Resets the USB index. After the new indexing is complete, you can choose what to play from the USB song library.

* You can use the buttons at the bottom of the audio display to jump to a certain alphabetical category quickly. You can also use the letters on the numeric keypad to jump in the list.

Bluetooth Devices and System Settings

You can access these menus using the audio display. See **Using SYNC™ With Your Phone** (page 278).

SYNC™ TROUBLESHOOTING

Your SYNC system is easy to use. However, should questions arise, please refer to the tables below.

To check your cell phone's compatibility, visit the regional Ford website.

Cell phone issues		
Issue	Possible cause	Possible solution
A lot of back-ground noise during a phone call.	The audio control settings on your cell phone may be affecting SYNC performance.	Refer to your device's manual about audio adjustments.
During a call, I can hear the other person but they cannot hear me.	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
		Make sure that the microphone for SYNC is not set to off.
SYNC is not able to download my phone-book.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.

Cell phone issues		
Issue	Possible cause	Possible solution
		Try pushing your phonebook contacts to SYNC by selecting the option to add.
		You must switch on your cell phone and the automatic phonebook download feature on SYNC.
The system says "Phonebook downloaded" but my SYNC phonebook is empty or is missing contacts.	Limitations on your cell phone's capability.	Try pushing your phonebook contacts to SYNC by selecting the option to add.
		If the missing contacts are stored on your SIM card, try moving them to your cell phone's memory.
		Remove any pictures or special ring tones associated with the missing contact.
		You must switch on your cell phone and the automatic phonebook download feature on SYNC.
I am having trouble connecting my cell phone to SYNC.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
		Try deleting your device from SYNC and deleting SYNC from your device, then trying again.
		Always check the security and auto accept prompt settings relative to the SYNC Bluetooth connection on your cell phone.
		Update your cell phone's firmware.
		Switch off the auto download setting.
Text messaging is not working on SYNC.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
	iPhone	<ul style="list-style-type: none"> • Go to your cell phone's Settings. • Go to the Bluetooth Menu.

Cell phone issues		
Issue	Possible cause	Possible solution
		<ul style="list-style-type: none"> • Make sure the connection status shows Not Connected. • Press the blue circle to enter the next menu. • Turn on Show Notifications. • Turn on Sync Contacts. <p>Your iPhone is now set up to forward incoming text messages to SYNC. Repeat these steps for every other Sync vehicle you are connected to. Your iPhone will only forward incoming text messages to SYNC if it is unlocked. Replying to text messages using SYNC is not supported by iPhone. Text messages from WhatsApp and Facebook Messenger are not supported.</p>
Audible text messages do not work on my cell phone.	This is a cell phone-dependent feature.	<p>Your cell phone must support downloading text messages through Bluetooth to receive incoming text messages.</p> <p>Access the text messaging menu of SYNC to see if your cell phone supports the feature. Press the PHONE button and then scroll and select the option for text messaging, then press OK.</p>
	This is a cell phone limitation.	Because each cell phone is different, refer to your device's manual for the specific cell phone you are pairing. In fact, there can be differences between cell phones due to brand, model, service provider and software version.

USB and media issues		
Issue	Possible cause	Possible solution
I am having trouble connecting my device.	Possible device malfunction.	Try switching off the device, resetting it or removing the battery, then trying again.
		Make sure you are using the manufacturer's cable.
		Make sure correctly insert the USB cable to the device and your vehicle's USB port.
		Make sure that the device does not have an auto-install program or active security settings.
SYNC does not recognize my device when I start my vehicle.	This is a device limitation.	Make sure you are not leaving the device in your vehicle during very hot or cold temperatures.
Bluetooth audio does not stream.	This is a device-dependent feature.	Make sure you connect the device to SYNC and press play on your device.
	The device is not connected.	
SYNC does not recognize music that is on my device.	Your music files may not contain the correct artist, song title, album or genre information.	Make sure that all song details are populated.
	The file may be corrupted.	Try replacing the corrupt file with a new version.
	The song may have copyright protection that does not allow it to play.	Some devices require you to change the USB settings from mass storage to media transfer protocol class.
When I connect my iPhone or iPod Touch through the USB and Bluetooth Audio at the same time, I sometimes do not hear any sound.	This is a device limitation.	From the iPhone or iPod Touch music now playing screen, select the audio device airplay icon at the very bottom of your iPhone or iPod Touch screen.
		To listen to the iPhone or iPod Touch through Bluetooth Audio, select SYNC.
		To listen to the iPhone or iPod Touch through USB, select Dock Connector.

Voice command issues		
Issue	Possible cause	Possible solution
SYNC does not understand what I am saying.	You may be using the wrong voice commands.	Review the cell phone voice commands and the media voice commands at the beginning of their respective sections.
		Refer to the audio display during an active voice session to find a list of voice commands there.
	You may be speaking too soon or at the wrong time.	The microphone for the system is either in your rear view mirror or in the headliner just above the windshield.
SYNC does not understand the name of a song or artist.	You may be using the wrong voice commands.	Review the media voice commands at the beginning of the media section.
	You may not be saying the name exactly as the system saved it.	Say the song or artist exactly as the system saved it. If you say, "Play Artist Prince", the system does not play music by Prince and the Revolution or Prince and the New Power Generation.
		Make sure you are saying the complete title such as "California remix featuring Jennifer Nettles".
	If the song titles are in capital letters, you have to spell them. LOLA requires you to say "L-O-L-A".	
	The system may not be reading the name the same way you are saying it.	Do not use special characters in the title, as the system does not recognize them.
SYNC does not understand or is calling the wrong contact when I want to make a call.	You may be using the wrong voice commands.	Review the cell phone voice commands at the beginning of the cell phone section.
		You can also use the cell phone and media suggestion lists to get a list of possible suggestions when the system cannot fully understand you. See Using Voice Recognition (page 275).

SYNC™

Voice command issues		
Issue	Possible cause	Possible solution
	You may not be saying the name exactly as the system saved it.	Make sure you are saying the name exactly as the system saved it. For example, if the contact name is Joe Wilson, say "Call Joe Wilson".
		The system works better if you list full names such as "Joe Wilson" rather than "Joe".
	Contacts in your phonebook may be very short and similar or they may contain special characters.	Do not use special characters such as 123 or ICE as the system does not recognize them.
	Your phonebook contacts may be in capital letters.	If the contacts are in capital letters, you have to spell them. JAKE requires you to say "Call J-A-K-E".
The SYNC voice control system is having trouble recognizing foreign names stored on my cell phone.	You may be saying the foreign names using the currently selected language for SYNC.	<p>SYNC applies the phonetic pronunciation rules of the selected language to the contact names stored on your cell phone.</p> <p>Helpful Hint: You can select your contact manually. Press PHONE. Select the option for phonebook and then contact name. Press the soft-key option to hear it. SYNC will read the contact name to you, giving you some idea of the pronunciation it is expecting.</p>
The SYNC voice control system is having trouble recognizing foreign tracks, artists, albums, genres and playlist names from my media player or USB flash drive.	You may be saying the foreign names using the currently selected language for SYNC.	<p>SYNC applies the phonetic pronunciation rules of the selected language to the names stored on your media player or USB flash drive. It is able to make some exceptions for very popular artist names (for example, U2) such that you can always use the English pronunciation for these artists.</p>

SYNC™

Voice command issues		
Issue	Possible cause	Possible solution
The system generates voice prompts and the pronunciation of some words may not be accurate for my language.	SYNC uses text-to-speech voice prompt technology.	SYNC uses a synthetically generated voice rather than pre-recorded human voice.
		SYNC offers several new voice control features for a wide range of languages. Dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, "play artist Madonna).
My previous Bluetooth voice control system allowed me to control the radio, CD, and climate control systems. Why can I not control these systems with SYNC?	The focus of SYNC is to control your mobile devices and the content stored on them.	SYNC offers significant capability beyond the previous system such as dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, "play artist Madonna).

General		
Issue	Possible cause	Possible solution
<p>The language selected for the instrument cluster and information and entertainment display does not match the SYNC language (phone, USB, Bluetooth audio, voice control and voice prompts).</p>	<p>SYNC does not support the currently selected language for the instrument cluster and information and entertainment display.</p>	<p>SYNC only supports four languages in a single module for text display, voice control and voice prompts. The country where you bought your vehicle dictates the four languages based on the most popular languages spoken. If the selected language is not available, SYNC remains in the current active language.</p>
		<p>SYNC offers several new voice control features for a wide range of languages. Dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, play artist Madonna).</p>

AppLink issues		
Issue	Possible cause(s)	Possible solution(s)
AppLink Mobile Applications: When I select "Find New Apps," SYNC does not find any applications.	An AppLink capable phone is not connected to SYNC.	Ensure you have a compatible smartphone; an Android with OS 2.3 or higher or an iPhone 3GS or newer with iOS 5.0 or higher. Additionally, ensure your phone is paired and connected to SYNC in order to find AppLink-capable apps on your device. iPhone users must also connect to SYNC's USB port with an Apple USB cable.
My phone is connected, but I still cannot find any apps.	AppLink-enabled apps are not installed and running on your mobile device.	Ensure you have downloaded and installed the latest version of the app from your phone's app store. Ensure the app is running on your phone. Some apps require you to register or login on the app on the phone before using them with AppLink. Also, some may have a "Ford SYNC" setting, so check the app's settings menu on the phone.
My phone is connected, my app(s) are running, but I still cannot find any apps.	Sometime apps do not properly close and re-open their connection to SYNC, over ignition cycles, for example.	Closing and restarting apps may help SYNC find the application if you cannot discover it inside the vehicle. On an Android device, if apps have an "Exit" or 'Quit' option, select that then restart the app. If the app does not have that option, you can also manually "Force Close" the app by going to the phone's settings menu, selecting 'Apps.' then finding the particular app and choosing 'Force stop.' Don't forget to restart the app afterwards, then select "Find New Apps" on SYNC.
		On an iPhone with iOS7+, to force close an app, double tap the home button then swipe up on the app to close it. Tab the home button again, then select the app again to restart it. After a few seconds, the app should then appear in SYNC's Mobile App's Menu.

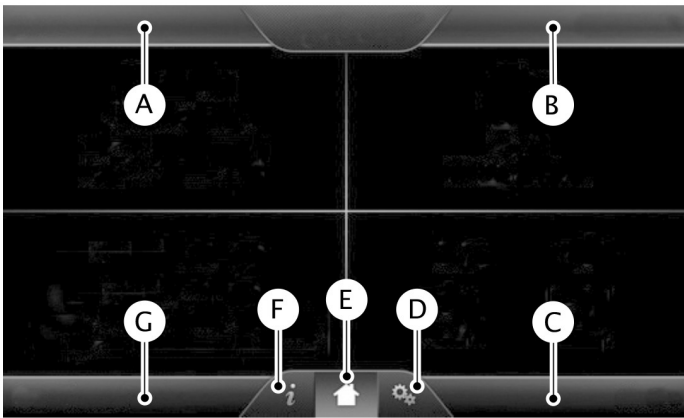
AppLink issues		
Issue	Possible cause(s)	Possible solution(s)
My Android phone is connected, my app(s) are running, I restarted them, but I still cannot find any apps.	There is a bluetooth bug on some order versions of the Android OS that may cause apps that were found on your previous vehicle drive to not be found again if you have not turned off bluetooth.	Reset the Bluetooth on your phone by turning it off and then turning Bluetooth back on. If you are in your vehicle, SYNC should be able to automatically re-connect to your phone if you press the "Phone" button.
My iPhone phone is connected, my app is running, I restarted the app but I still cannot find it on SYNC.	The USB connection to SYNC may need to be reset.	Unplug the USB cable from the phone, wait a moment, and plug the USB cable back in to the phone. After a few seconds, the app should appear in SYNC's Mobile Apps Menu. If not, "Force Close" the application and restart it.
I have an Android phone. I found and started my media app on SYNC, but there is no sound or the sound is very low.	The bluetooth volume on the phone may be low.	Try increasing the Bluetooth volume of the device by using the device's volume control buttons which are most often found on the side of the device.
I can only see some of the AppLink apps running on my phone listed in SYNC's Mobile Apps Menu.	Some Android devices have a limited number of bluetooth ports apps can use to connect. If you have more AppLink apps on your phone than the number of available Bluetooth ports, you will not see all of your apps listed in SYNC's mobile apps menu.	Force close or uninstall the apps you do not want SYNC to find. If the app has a "Ford SYNC" setting, disable that setting in the app's settings menu on the phone.

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.



E161891

Item	Message
A	Phone
B	Navigation
C	Climate
D	Settings

Item	Message
E	Home
F	Information
G	Entertainment

SYNC™ 2

This system uses a four-corner strategy to provide quick access to several vehicle features and settings. The touchscreen provides easy interaction with your cellular phone, multimedia, climate control and navigation system. The corners display any active modes within those menus, such as phone status or the climate temperature.

Note: *Some features are not available while your vehicle is moving.*

Note: *Your system is equipped with a feature that allows you to access and control audio features for 10 minutes after you switch the ignition off (and no doors open).*

PHONE

Press to select any of the following:

Message
Phone
Quick Dial
Phonebook
History
Messaging
Settings

NAVIGATION

Press to select any of the following:

Message
My Home
Favorites
Previous Destinations
Point of Interest
Emergency
Street Address

Message
Intersection
City Center
Latitude/Longitude
Edit Route
Cancel Route

CLIMATE

Press the corresponding icons to control the following options:

- Driver Settings
- Recirculated Air
- Auto
- Dual
- Passenger Settings
- A/C
- Defrost

SETTINGS



Press to select any of the following:

Message
Clock
Display
Sound
Vehicle
Settings
Help

HOME



Press to access your home screen. Depending on your vehicle's option package and software, your screens may vary in appearance from the descriptions in this section. Your features may also be limited depending on your market. Check with an authorized dealer for availability.

INFORMATION



Press to select any of the following:

Message
Traffic
Alerts
Calendar
Apps
Where Am I?

ENTERTAINMENT

Press to select any of the following:

Message
AM
FM
DAB *
CD
USB
BT Stereo
SD Card
Line In

* If equipped.

Using the Audio Controls

Depending on your vehicle, it may also have the following controls:

Message	Action and Description
Power	Switch the media features on or off.
Vol:	Adjust the volume of playing media.
Seek	Use as you normally would in media modes.
Tune	Use as you normally would in media modes.
Eject	Eject a CD from the entertainment system.
Display	Press this button to switch the display screen off. Press again, or touch the screen to switch the display screen on.
Source	Touch the control repeatedly to switch between media modes.

Message	Action and Description
Sound	Adjust the settings for:
	Bass
	Treble
	Midrange
	Set Balance and Fade
	DSP
	EQ Mode
	Speed Compensated Volume

Using the Steering Wheel Controls

Depending on your vehicle and option package, you can use your steering wheel controls to interact with the touchscreen system.

- **VOL:** Control the volume of audio output.
- **Mute:** Mute the audio output.
- **Voice:** Press to start a voice session. Press again and hold to end a voice session.
- **SEEK and PHONE ACCEPT:**
 - While in radio mode, press to seek between memory presets or press and hold to seek between stations.
 - While in USB or CD mode, press to seek between stations or press and hold to fast seek.
 - While in phone mode, press to answer a call, or to switch between calls.

• **SEEK and PHONE REJECT:**

- While in radio mode, press to seek between memory presets or press and hold to seek between stations.
- While in USB or CD mode, press to seek between stations or press and hold to fast seek.
- While in phone mode, press to end a call, or to reject an incoming call.
- **Source:** Touch the control repeatedly to switch between media modes.
- **Sound:** Touch the control to adjust the sound settings. See **Settings** (page 321).

See **Steering Wheel** (page 50).

Cleaning the Touchscreen Display

Use a dry, clean, soft cloth. If dirt or fingerprints are still visible, apply a small amount of alcohol to the cloth. Do not pour or spray alcohol onto the display. Do not use detergent or any type of solvent to clean the display.

Support

For further support, contact an authorized dealer. For more information, visit the regional Ford website.

Safety 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.

- Do not attempt to service or repair the system. Have an authorized dealer check your vehicle.
- Do not operate playing devices if the power cords or cables are broken, split or damaged. Place cords and cables out of the way, so they do not interfere with the operation of pedals, seats, compartments or safe driving abilities.

- Do not leave playing devices in your vehicle during extreme conditions as it could cause them damage. See your device's user guide for further information.
- For your safety, some SYNC functions are speed-dependent. Their use is limited to when your vehicle is traveling at speeds under 5 mph (8 km/h).

Make sure that you review your device's manual before using it with SYNC.

Speed-restricted Features

Some features of this system may be too difficult to use while your vehicle is moving so they are restricted from use unless your vehicle is stationary.

See the following chart for more specific examples.

Restricted features	
System Functionality	Editing settings while the rear view camera or active park assist are active.
Videos, Photos and Graphics	Playing video.
Text Messages	Composing text messages.
	Editing preset text messages.
Navigation	Demo navigation route.

Privacy Information

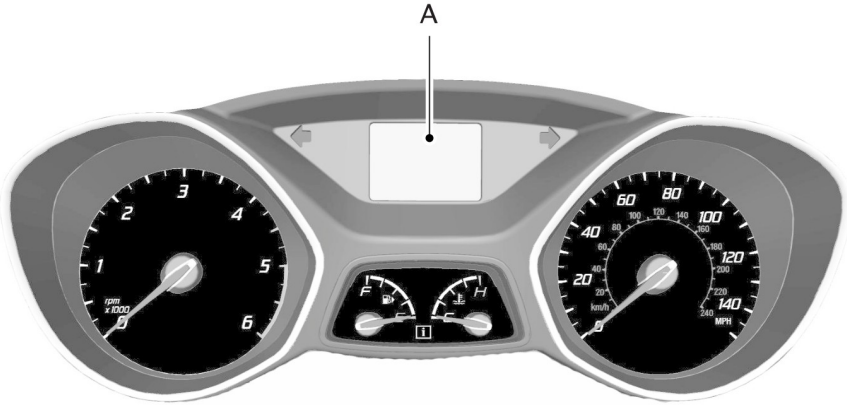
When a cell phone connects to SYNC, the system creates a profile that links to that cell phone. The system creates the profile to offer you more mobile features and to operate more efficiently. Among other things, this profile may contain data about your phonebook, text messages (read and unread) and call history. This includes the history of calls when your cell phone was not connected to the system. If you connect a media player, the system creates and retains an index of supported media content. The system also records a short development log of approximately 10 minutes of all recent system activity. Use the log profile and other system data to improve the system and help diagnose any problems that may occur.

The cell phone profile, media player index and development log remain in the system unless deleted. They are generally accessible in your vehicle only when you connect your cell phone or media player. If you no longer plan to use the system or your vehicle, we recommend you complete a master reset to erase all stored information. See **Information Displays** (page 75).

Special equipment is required to access system data. Access to your vehicle's SYNC module is also required. We will not access the system data for any purpose other than as described without consent. Examples where we can access system data are for a court order, where required by law enforcement, other government authorities or other third parties acting with lawful authority. Other parties may seek to access the information independently of us. Further privacy information is available.

SYNC™ 2

Accessing and Adjusting Modes Through Your Right Vehicle Information Display



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The display is located on the right side of your instrument cluster (A). You can use your steering wheel controls to view and make minor adjustments to active modes without taking your hands off the wheel. For example:

- In Entertainment mode, you can view what is now playing, change the audio source, select memory presets and make some adjustments.
- In Phone mode, you can accept or reject an incoming call.
- If your vehicle is equipped with Navigation, you can view the current route or activate a route.



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Use the **OK** and arrow buttons on the right side of your steering wheel to scroll through the available modes.

The selection menu expands and different options appear.

- Press the up and down arrows to scroll through the modes.
- Press the right arrow to enter the mode.
- Press the left or right arrows to make adjustments within the chosen mode.
- Press **OK** to confirm your selection.

Note: *If your vehicle is not equipped with Navigation, Compass appears in the display instead of Navigation. If you press the right arrow to go into the Compass menu, you can see the compass graphic. The compass displays the direction in which the vehicle is traveling, not true direction (for example, if the vehicle is traveling west, the middle of the compass graphic displays west; north displays to the left of west though its true direction is to the right of west).*

Using Voice Recognition

This system helps you control many features using voice commands. This allows you to keep your hands on the wheel and focus on what is in front of you. The system provides feedback through audible tones, prompts, questions and spoken confirmations depending on the situation and the chosen level of interaction (voice settings).

The system also asks short questions (confirmation prompts) when it is not sure of your request or when there are multiple possible responses to your request.

When using voice commands, words and icons may appear in the lower left status bar indicating the status of the voice command session.

How to Use Voice Commands



The following are some of the voice commands that you can say at any time during a voice command session.

Press the voice button and when prompted say:

Voice command
Main Menu
What Can I Say
Previous Page
Go Back
Help

Helpful Hints

- Make sure the interior of your vehicle is as quiet as possible. Wind noise from open windows and road vibrations may prevent the system from correctly recognizing spoken voice commands.
- After pressing the voice command icon, wait until after the tone sounds and a message appears before saying a voice command. Any voice command spoken prior to this does not register with the system.
- Speak naturally, without long pauses between words.
- At any time, you can interrupt the system while it is speaking by pressing the voice command icon.

Accessing a List of Available Voice Commands

To access a list of available voice commands you can do either of the following.

Using the touchscreen, press:

Menu Item
Settings
Help
Voice Command List

Using the steering wheel control, press the voice button and when prompted say one of the following:

Voice Commands
List of Commands
Radio List of Commands
Phone List of Commands

Voice Commands
Voice Instructions List of Commands

Voice Command Settings

These allow you to customize the level of system interaction, help and feedback. The system defaults to standard interaction that uses candidate lists and confirmation prompts as these provide the highest level of guidance and feedback.

Menu Item	Action and Description	
Interaction Mode	Novice	In this mode the system provides detailed interaction and guidance.
	Advanced	This mode has less audible interaction and more tone prompts.
Confirmation Prompts	The system uses these short questions to confirm your voice command. If turned off, the system simply makes a best guess as to what you requested. The system may still occasionally ask you to confirm a voice command.	
Phone Candidate Lists	Candidate lists are lists of possible results from your voice commands. The system creates these lists when it has the same confidence level of several options based on your voice command	
Media Candidate Lists		

Using the touchscreen, press the settings icon, then press:

Menu Item
Voice Settings
Voice Control
Select from the following:
Interaction Mode
Confirmation Prompts

Menu Item
Media Candidate Lists
Phone Candidate Lists
Voice Control Volume

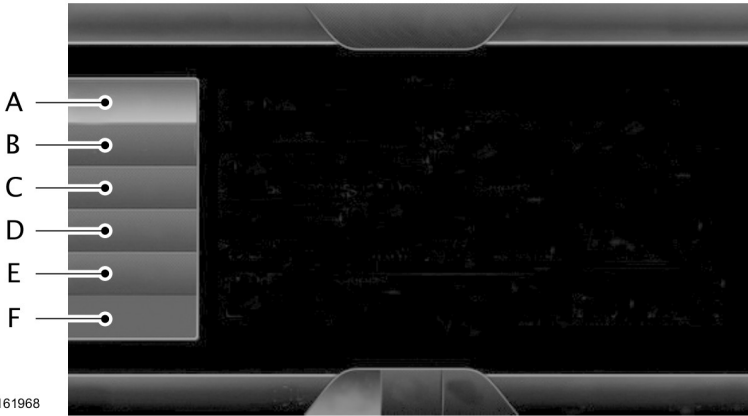
SYNC™ 2

Using Voice Commands with the Touchscreen Options

The voice command system has a dual mode feature which allows you to switch between using voice commands and making on-screen selections. This is

available only when the system displays a list of candidates generated during a voice command session. For example, this can be used when entering a street address or trying to call a contact from a cell phone paired to the system.

SETTINGS



Item	Menu Item
A	Clock
B	Display
C	Sound
D	Vehicle
E	Settings
F	Help

SYNC™ 2

Clock



Under this menu, you can set the clock, access and adjust the

display, sound and vehicle settings as well as access settings for specific modes or the help feature.

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Clock	Press the + or - to adjust the time. From this screen, you can also make other adjustments such as 12-hour or 24-hour mode, activate GPS time synchronization and have the system automatically update new time zones. You can also switch the outside air temperature display off and on. It appears at the top center of the touchscreen, next to the time and date.

Note: You cannot manually set the date. Your vehicle's GPS does this for you.

Note: If the battery has been disconnected, your vehicle needs to acquire a GPS signal to update the clock. Once your vehicle acquires the signal, it may take a few minutes for the update to display the correct time.

Display



You can adjust the display using the touchscreen or the voice button on the steering wheel

controls.

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Display	

Then select from the following:

Mode	Allows you to switch the display off. It also allows you to set the screen to a certain brightness or have the system automatically change based on the outside light level. If you also select:	
	Auto	These features will allow you to adjust the dimming of your screen.
	Night	

SYNC™ 2

Menu Item	Action and Description
Edit Wallpaper	Allows you to display the default photo or upload your own.
Auto Dim	When set to On , lets you use the automatic dimming feature. When set to Off you are able to adjust the brightness of the screen.
	Brightness
Auto Dim Manual Offset	Allows you to adjust screen dimming as the outside lighting conditions change from day to night.



To make adjustments using the voice button, press the button and when prompted, say:

Voice command
Display Settings

Note: Photographs with extremely large dimensions (such as 2048 x 1536) may not be compatible and appear as a blank (black) image on the display.

The system allows you to upload and view up to 32 photos.



To access, press:

Uploading Photos for Your Home Screen Wallpaper

Note: You cannot load photos directly from your camera. You must access the photos either from your USB mass storage device or from an SD card.

To upload your photos, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Display	
Edit Wallpaper	Follow the system prompts to upload your photographs.

Only the photograph(s), which meets the following conditions display:

- Compatible file formats are as follows: JPG, GIF, PNG, BMP.
- Each file must be 1.5 MB or less.
- Recommended dimensions: 800 x 384.

Sound



SYNC™ 2

To make adjustments using the touchscreen, select:

Menu Item
Settings
Sound
Then select from the following:
Bass
Midrange
Treble
Set Balance and Fade
Occupancy Mode
EQ Mode
Speed Compensated Volume

Note: *Your vehicle may not have all of these sound settings.*

Vehicle



To make adjustments using the touchscreen, select:

Menu Item
Settings
Vehicle
Then select from the following:
Ambient Lighting
Camera Settings
Enable Valet Mode

SYNC™ 2

Ambient Lighting (If Equipped)

When you switch this feature on, ambient

lighting illuminates footwells and cupholders with a choice of colors.

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Vehicle	
Ambient Lighting	

- You can then touch the desired color.
- Use the scroll bar to increase or decrease the intensity.
- To switch the feature on or off, press the power button.

Camera Settings



This menu allows you to access settings for your rear view camera.

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Vehicle	
Camera Settings	

Then select from the following:

Enhanced Park Aids	
Rear Camera Delay	

You can find more information on the rear view camera system in another chapter. See **Parking Aids** (page 137).

Enable Valet Mode



Valet mode allows you to lock the system. No information is accessible until the system is unlocked with the correct PIN.

Note: If the system locks, and you need to reset the PIN, enter 3681 and the system unlocks.

SYNC™ 2

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Vehicle	
Enable Valet Mode	Then enter a four digit PIN twice, as prompted.
Continue	After you press Continue the system locks until you enter the PIN again.

Settings

Access and adjust system settings, voice features, as well as phone, navigation and wireless settings.

System



To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
System	

Then select from the following:

Language	Select to have the touchscreen display in any of the selectable language options*.
Distance	Select to display units in kilometers or miles.
Temperature	Select to display units in Celsius or Fahrenheit.
System Prompt Volume	Adjust the volume of voice prompts from the system.
Touch Screen Button Beep	Select to have the system beep to confirm choices made through the touchscreen.
Keyboard Layout	Have the touchscreen keyboard display in QWERTY or ABC format.

SYNC™ 2

Menu Item	Action and Description
Install Applications	Install any downloaded applications or view the current software licenses.
Master Reset	Select to restore factory defaults. This erases all personal settings and personal data.

* The options include: English, Spanish, French, Portuguese, German, Italian, Dutch, Swedish, Polish, Turkish and Russian. Only four of these languages are available for voice input and output, depending on your location.

Voice Control



To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	
Voice Control	

Then select from the following:

Interaction Mode	Standard interaction mode provides more detailed interaction and guidance. Advanced mode has less audible interaction and more tone prompts.
Confirmation Prompts	Have the system ask you short questions if it has not clearly heard or understood your request. Note: Even with confirmation prompts turned off, the system may occasionally ask you to confirm settings.
Media Candidate Lists	Candidate lists are possible results from your voice commands. The system simply makes a best guess at your request with these turned off.
Phone Candidate Lists	Candidate lists are possible results from your voice commands. The system simply makes a best guess at your request with these turned off.
Voice Control Volume	This allows you to adjust the system's voice volume level.

Media Player



To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Media Player	
Then select from the following:	
Autoplay	When this feature is on, the system automatically switches to the media source upon initial connection. This allows you to listen to music during the indexing process. When this feature is off, the system does not automatically switch to the inserted media source.
Bluetooth Devices	Select to connect, disconnect, add or delete a device. You can also set a device as your favorite so that the system automatically attempts to connect to that device at every ignition cycle.
Gracenote® Database Info	This allows you to view the version level of the Gracenote Database.
Gracenote® Mgmt	With this feature on, the Gracenote Database supplies metadata information for your music files. This overrides information from your device. This feature defaults to off.
Cover Art Priority	With this feature on, the Gracenote Database supplies cover art for your music files. This overrides any art from your device. This feature defaults to Media Player.

Navigation



To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Navigation	
Then select from the following:	

SYNC™ 2

Menu Item	Action and Description
Map Preferences	Switch breadcrumbs on and off.
	Have the system display your turn list top to bottom or bottom to top.
	Switch the Parking POI notification on and off.
Route Preferences	Select shortest route, fastest route or ecological route as your preferred route. This route displays first.
	Always use preferred route. If set to yes, the system only calculates a single route. This speeds up your destination entry process.
	Select a low, medium or high cost for the calculated ecological route. This may incur a time penalty.
	Have the system avoid freeways.
	Have the system avoid toll roads.
	Have the system avoid ferries or car trains.
	Have the system avoid tunnels.
Navigation Preferences	Have the system use guidance prompts.
	Have the system automatically fill in State/Province information.
	Hazard Spot Warning Have the system activate hazard spot warning in countries where legally allowed.
Traffic Preferences	Have the system avoid traffic problems automatically.
	Switch traffic alert notifications on or off.
	Have the system display accident icons.
	Have the system display traffic jam icons.
	Have the system display closed roads.
	Have the system display road work icons.
	Have the system display incident icons.
	Have the system display icons for areas where difficult driving conditions may occur.
Have the system display icons for areas where snow and ice on the road may occur.	

SYNC™ 2

Menu Item	Action and Description
	Have the system display any smog icons.
	Have the system display weather warning icons.
	Have the system display where there may be reduced visibility.
	Have the system display icons to recommend switching on your radio for traffic announcements.
Avoid Areas	Enter specific areas that you would like to avoid on planned navigation routes.

Phone



To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Phone	

Then select from the following:

Bluetooth Devices	Connect, disconnect, add or delete a device, as well as save it as a favorite.
Bluetooth	Switch Bluetooth on and off.
Do Not Disturb	Have all calls go directly to your voice mail and not ring inside your vehicle. With this feature turned on, text message notifications are also suppressed and do not ring inside your vehicle.
Emergency Assistance	Switch on or turn off the Emergency Assistance feature.
Phone Ringer	Select the type of notification for phone calls - ring tone, beep, text to speech or silent.
Text Message Notification	Select the type of notification for text messages - alert tone, beep, text to speech, or have it be silent.

SYNC™ 2

Menu Item	Action and Description
Internet Data Connection	If compatible with your phone, you can adjust your internet data connection. Select to make your connection profile with the personal area network or to switch off your connection. You can also choose to adjust your settings or have the system always connect, never connect when roaming, or query on connect. Press ? for more information.
Manage Phonebook	Access features, such as automatic phonebook download, re-download your phonebook, add contacts from your phone as well as delete or upload your phonebook.
Roaming Warning	Have the system alert you when in Roaming mode.

Wireless and Internet



Your system has a Wi-Fi feature that creates a wireless network within your vehicle, thereby allowing other devices (such as personal computers or phones) in your vehicle to speak to each other, share files or play

games. Using this Wi-Fi feature, everyone in your vehicle can also access the internet if you have a USB mobile broadband connection inside your vehicle, your phone supports personal area networking or if you park outside a wireless hotspot.

To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Wireless & Internet	

Then select from the following:

Wi-Fi Settings	Wi-Fi Network (Client) Mode
	Turns the Wi-Fi feature on and off in your vehicle. Make sure you switch it on for connectivity purposes.
	Choose a Wireless Network
	Allows you to use a previously stored wireless network. You can categorize by alphabetical listing, priority and signal strength. You can also choose to search for a network, connect to a network, disconnect from a network, receive more information, prioritize a network or delete a network.
	Gateway (Access Point) Mode

SYNC™ 2

Menu Item	Action and Description
	<p>Makes SYNC an access point for a phone or a computer when turned on. This forms the local area network within your vehicle for things, such as game playing, file transfer and internet browsing. Press ? for more information.</p>
	<p>Gateway (Access Point) Settings</p> <p>Allows you to view and change settings for using SYNC as the internet gateway.</p>
	<p>Gateway (Access Point) Devices List</p> <p>Allows you to view recent connections to your Wi-Fi system.</p>
USB Mobile Broadband	<p>Instead of using Wi-Fi, your system can also use a USB mobile broadband connection to access the internet. (You must switch on your mobile broadband device on your personal computer before connecting it to the system.) This screen allows you to set up what is your typical area for your USB mobile broadband connection. (USB mobile broadband settings may not display if the device is already on.) You can select the following:</p>
	Country
	Carrier
	Phone Number
	User Name
Password	
Bluetooth Settings	<p>Shows you the currently paired devices as well as giving you your typical Bluetooth options to connect, disconnect, set as favorite, delete and add device. Bluetooth is a registered trademark of the Bluetooth SIG.</p>
Prioritize Connection Methods	<p>Choose your connection methods and change them as needed. You can select to change order and have the system either always attempt to connect using a USB mobile broadband or using Wi-Fi.</p>

SYNC™ 2



The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.

Help



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To make adjustments using the touchscreen, select:

Menu Item	Action and Description
Settings	Press the settings icon.
Help	
Then select from the following:	
System Information	Touchscreen system serial number
	Vehicle Identification Number (VIN)
	Touchscreen system software version
	Navigation system version
	Map database version
	Sirius satellite radio ESN
	Gracenote® Database Information and Library version
View Software Licenses	View the licenses for any software and applications installed on your system.
Driving Restrictions	Certain features are not accessible when your vehicle is moving.
Emergency Assistance	Switch on and off the Emergency Assistance feature. See Information (page 352).
	In Case of Emergency (ICE) Quick Dial

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Menu Item	Action and Description	
		The ICE contacts you select appear at the end of the Emergency Assistance call process.
	Edit	Select to access your phone-book and then select the desired contacts. The numbers then appear as options on this screen for the ICE 1 and ICE 2 buttons.
Voice Command List	View categorized lists of voice commands.	



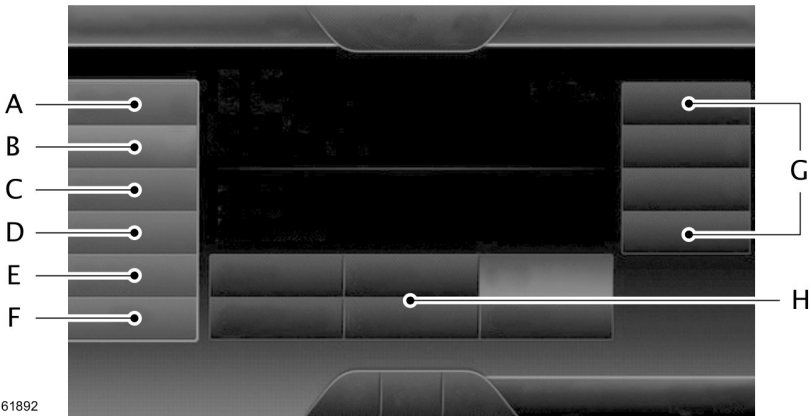
You can also access Help using the voice commands. The system provides allowable voice commands for the current mode.

Press the voice button and when prompted say:

Voice command
help

You can say help at any time to get assistance with commands, menus or other information.

ENTERTAINMENT



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Message	Message and Description
A	AM
B	FM
C	DAB
D	CD
E	USB
F	Touch this button to scroll down for more options, such as SD Card, BT Stereo and Line In
G	These buttons change with the media mode you are in.
H	Radio memory presets and CD controls.

Note: Some features may not be available in your area. Contact an authorized dealer for more information.

You can access these options using the touchscreen or voice commands.

AM/FM Radio



Touch the **AM** or **FM** tab to listen to the radio.

To change between AM and FM presets, just touch the **AM** or **FM** tab.

Memory Presets

Save a station by pressing and holding one of the memory preset areas. There is a brief mute while the radio saves the station. Sound returns when finished.

TA

When active TA interrupts active audio source to provide incoming traffic announcements.

Scan

Touch this button to scan through AM or FM band. The system will remain on any strong station for 10 seconds. The light on the button illuminates when the feature is on.

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Info (DAB only)

When the info button is pressed, the system shows the corresponding block

number for the active DAB radio station. If you press the info button a second time the radio station name is displayed again.

Options

Menu Item	Action and Description
Sound Settings	Touch this button to adjust settings for:
	Bass
	Midrange
	Treble
	Set Balance and Fade
	Occupancy Mode
	EQ Mode
	Speed Compensated Volume
Radio Text	This allows you to view the information broadcast by FM stations.
AST	AST (Autostore) allows you to have the system automatically store the six strongest stations in your current location.
News announcement	With news announcement option active, the system interrupts active audio source to provide incoming news announcements, if currently tuned station (or last tuned station in case of other media active) supports news.
Regional	With Regional option active, the system stays on the regional subprogram instead of switching to a different frequency with better reception.
Alternate Frequency	With alternative frequency option active, the system re-tunes to a different frequency with better reception for the same station.
Service Linking	With Service Linking active, the system automatically switches from DAB to FM, in case DAB becomes unavailable.

SYNC™ 2

Note: Your vehicle may not have all these sound settings.

Radio Voice Commands



Press the voice button and when prompted say:

Voice command	
Radio	
Then you can say a command similar to the following:	
FM	Say a frequency or preset.
DAB	Say a frequency or preset.
Off	
help	

CD



To access, press the lower left corner on the touchscreen, then select:

Menu Item
CD

SYNC™ 2

Insert your CD then select:

Menu Item	Action and Description
Repeat	Touch this button to repeat the currently playing track, all tracks on the disc or switch the feature off if already on.
Shuffle	Touch this button to play the tracks or entire albums in random order, or switch the feature off if already on.
Scan	Touch this button to hear a brief sampling of all available tracks.
More Info	Touch this button to see disc information.
Browse	Touch this button to look through all available CD tracks.

To adjust the Sound Settings, select:

Menu Item
Options
Sound Settings
Then any of the following:
Bass
Midrange
Treble
Set Balance and Fade
Occupancy Mode
EQ Mode
Speed Compensated Volume

Note: Your vehicle may not have all these sound settings.

CD Voice Commands



If you are listening to a CD, press the voice button on the steering wheel controls. When prompted, say any of the following commands.

If you are not listening to a CD, press the voice button and, after the tone, say:

Voice command
CD Player

When listening to a CD you can say many commands. Following are a few examples of what you can say.

Voice command
Play
Pause
Next Track

Voice command
Previous Track
help

*This applies to WMA or MP3 files only.

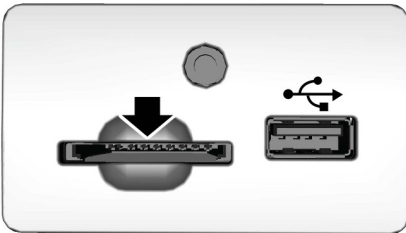
SD Card Slot and USB Port

The SD card slot and USB port are located in the Media Hub. See **Media Hub** (page 273).

SD Card

Note: Your SD card slot is spring-loaded. To remove the SD card, press the card in and the system ejects it. Do not attempt to pull the card to remove it as this could cause damage.

Note: The navigation system also uses this card slot. See **Navigation** (page 358).



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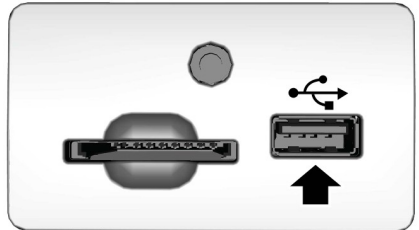
The SD card slot is located either in the center console or behind a small access door in the instrument panel. To access and play music from your device, press the lower left corner of the touchscreen.



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SD logo is a trademark of SD-3C, LLC.

USB Port



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The USB ports are located either in the center console or behind a small access door in the instrument panel. To access and play music from your device, press the lower left corner of the touchscreen.

This feature allows you to plug in media playing devices, memory sticks, flash drives or thumb drives, and charge devices if they support this feature.

In order to playback video from your iPod or iPhone, you must have a special combination USB/RCA composite video cable (which you can buy from Apple). When you connect the cable to your iPod or iPhone, plug the other end into both the RCA jacks and the USB port.

Playing Music from Your Device

Note: The system is capable of indexing up to 30,000 songs.



Insert your device and select:

Message	Action and Description
USB SD Card	Once the system recognizes your USB or SD card you can then select from the following options:
Repeat	This feature replays the currently playing song or album.
Shuffle	Touch this button to play music on the selected album or folder in random order.
Similar Music	This feature allows you to choose music similar to what is currently playing.
More Info	Touch this button to see disc information, for example current track, artist name, album and genre.
Options	Touch this button to view and adjust various media settings.

Sound

Sound settings allows you to adjust settings for:

Message	Action and Description
Bass	
Midrange	
Treble	
Set Balance and Fade	
DSP	
EQ Mode	
Speed Compensated Volume	
Media Player Settings	Allows you to select more settings, which is under Media Player.

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Message	Action and Description
Device Information	Displays software and firmware information about the currently connected media device.
Update Media Index	Indexes your device when you connect it for the first time and each time the content changes (for example adding or removing tracks) to make sure you have the latest voice commands available for all media on the device.

Note: *Your vehicle may not have all these sound settings.*

Browse

This feature allows you to view the contents of the device. It also allows you to search by categories, for example genre, artist or album.

If you want to view song information, for example Title, Artist, File, Folder, Album, and Genre, touch the on-screen album art.

You can also select:

Message	Action and Description
What's Playing?	To hear how the system pronounces the current band and song. This can be helpful when using voice commands to make sure the system correctly plays your request.

Playing Video from Your Device

To access and play video from your device, your vehicle's transmission must be in park (P) with the ignition in accessory mode. See **Starting and Stopping the Engine** (page 110).

USB and SD Card Voice Commands



The voice system allows you to control your media with voice commands. For example, if you are listening to music on your USB device, and wish to change songs, you can press the voice button and the system provides you with audio prompts.

Press the voice button and when prompted say:

Voice command
SD Card
USB
Then commands such as the following:

SYNC™ 2

Voice command	
Browse	
Next Track	
Pause	
Play	Say the name of what you would like to listen to such as a band, song, album or playlist.
Similar Music	
Help	

Supported Media Players, Formats and Metadata Information

SYNC is capable of hosting nearly any digital media player, including iPod, Zune™, plays from device players, and most USB drives. Supported audio formats include MP3, WMA, WAV and AAC.

It is also able to organize your indexed media from your playing device by metadata tags. Metadata tags, which are descriptive software identifiers embedded in the media files, provide information about the file.

If your indexed media files contain no information embedded in these metadata tags, SYNC may classify the empty metadata tags as unknown.

In order to playback video from your iPod or iPhone, you must have a special combination USB/RCA composite video cable (which you can buy from Apple). When you connect the cable to your iPod or iPhone, plug the other end into both the RCA jacks and the USB port.

Bluetooth Audio

The system allows you to stream audio over your vehicle's speakers from your connected, Bluetooth-enabled cell phone.



To access, press the lower left corner on the touchscreen, then select:

Message
BT Stereo

Bluetooth Audio Voice Commands



The voice system allows you to control your media with a simple voice command. For example to change songs, press the voice button and follow the system prompts.

Line In

WARNINGS



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

WARNINGS

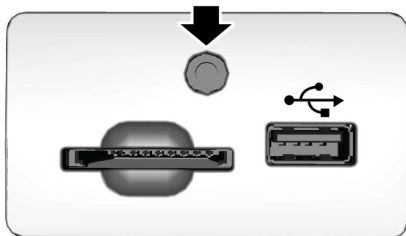
against the use of any handheld device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.



For safety reasons, do not connect or adjust the settings on your portable music player while your vehicle is moving.



Store the portable music player in a secure location, such as the center console or the glove box, when your vehicle is moving. Hard objects may become projectiles in a crash or sudden stop, which may increase the risk of serious injury. The audio extension cable must be long enough to allow the portable music player to be safely stored while your vehicle is moving.



E176636

Your auxiliary input jack allows you to play music from your portable music player over your vehicle's speakers. The jack is located in your center console.

Press the lower left corner of the touchscreen, and then select **Line In**.

To use the auxiliary input jack feature, make sure that your portable music player is designed for use with headphones and that it is fully charged. You also need an audio extension cable with stereo male 1/8-inch (3.5 millimeter) connectors at both ends.

1. Switch off the engine, radio and portable music player. Set the parking brake and put the transmission in position **P**.
2. Attach one end of the audio extension cable to the headphone output of your player and the other end into the adapter in one of the jack inside the center console.
3. Press the lower left corner on the touchscreen. Select either a tuned FM station or a CD (if there is a CD already loaded into the system).
4. Adjust the volume as desired.
5. Turn the portable music player on and adjust the volume to ½ the maximum.
6. Press the lower left corner on the touchscreen. Then select:

Menu Item	
Line In	You should hear audio from your portable music player although it may be low.

SYNC™ 2

Menu Item	
	Adjust the sound on your portable music player until it reaches the level of the FM station by switching back and forth between the controls.

- Do not set the portable music player's volume level higher than is necessary to match the volume of the CD or FM radio as this causes distortion and reduces sound quality.
- If the music sounds distorted at lower listening levels, turn the portable music player volume down. If the problem persists, replace or recharge the batteries in the portable media player.
- Control the portable media player in the same manner when used with headphones, as the auxiliary input jack does not provide control (such as Play or Pause) over the attached portable media player.

Troubleshooting

- Do not connect the audio input jack to a line level output. The jack only works correctly with devices that have a headphone output with a volume control.

PHONE



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Item	Menu Item
A	Phone
B	Quick Dial
C	Phonebook

SYNC™ 2

Item	Menu Item
D	Call History
E	Messaging
F	Settings

Hands-free calling is one of the main features of SYNC. Once you pair your cell phone, you can access many options using the touchscreen or voice commands. While the system supports a variety of features, many are dependent on your cell phone's functionality.

At a minimum, most cell phones with Bluetooth wireless technology support the following functions:

- Answering an incoming call.
- Ending a call.
- Dialing a number.
- Call waiting notification.
- Caller ID.

Other features, such as text messaging using Bluetooth and automatic phonebook download, are phone-dependent features. To check your phone's compatibility, see your phone's user manual or the local Ford website.

Pairing Your Cell Phone for the First Time

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 handheld 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.

The first thing you must do to use the phone features of SYNC is to pair your Bluetooth-enabled cell phone with SYNC. This allows you to use your cell phone in a hands-free manner.

Touch the upper left corner of the touchscreen:

Menu Item	Action and Description
Add phone	
Find SYNC	Follow the on-screen instructions. Make sure that Bluetooth is set to On and that your cell phone is in the correct mode. See your cell phone's manual if necessary. Select SYNC and a six-digit PIN appears on your device. If you are prompted to enter a PIN on your device, it does not support Secure Simple Pairing. To pair, enter the PIN displayed on the touchscreen. Skip the next step.

SYNC™ 2

Menu Item	Action and Description
	<p>When prompted on your cell phone's display, confirm that the PIN provided by SYNC matches the PIN displayed on your cell phone.</p> <p>The display indicates when the pairing is successful. SYNC may prompt you with more cell phone options. For more information on your cell phone's capability, see your cell phone's manual and visit the website.</p>

Pairing Subsequent Cell Phones

Make sure that Bluetooth is set to **On** and that your cell phone is in the correct mode. See your device's manual if necessary.

To pair a subsequent cell phone, select:

Menu Item	Action and Description
Phone	
Settings	
Bluetooth Devices	
Add Device	
Find SYNC	<p>Follow the on-screen instructions.</p> <p>Make sure that Bluetooth is set to On and that your cell phone is in the correct mode. See your cell phone's manual if necessary.</p> <p>Select SYNC and a six-digit PIN appears on your device. If you are prompted to enter a PIN on your device, it does not support Secure Simple Pairing. To pair, enter the PIN displayed on the touchscreen. Skip the next step.</p> <p>When prompted on your cell phone's display, confirm that the PIN provided by SYNC matches the PIN displayed on your cell phone.</p> <p>The display indicates when the pairing is successful. SYNC may prompt you with more cell phone options. For more information on your cell phone's capability, see your cell phone's manual and visit the website.</p>

Making Calls



Press the voice button and say a command similar to the following:

Voice command
Call
Dial

You can say the name of a person from your phone book to call or say a number to dial. For example "Call Jenny" or "Dial 867-5309".



To end the call or exit phone mode, press and hold the phone button.

Receiving Calls

During an incoming call, an audible tone sounds. Call information appears in the display if it is available.



To accept the call, select:

Menu Item
Accept

Note: You can also accept the call by pressing the phone button on the steering wheel.



To reject the call, select:

Menu Item
Reject

Note: You can also reject the call by pressing the phone button on the steering wheel.

Ignore the call by doing nothing. SYNC logs it as a missed call.

Phone Menu Options

Press the top left corner on the touchscreen to select from the following options:

Menu Item	Action and Description
Phone	Touch this button to access the on-screen numerical pad to enter a number and place a call. During an active call, you can also choose any of these options:
	Mute Call
	Hold Call
	Privacy
	Join Calls
	End
Quick Dial	Select to call stored contacts.
Phone-book	Touch this button to access and call any contacts in your previously downloaded phonebook. The system places the entries in alphabetical categories summarized at the top of the screen

SYNC™ 2

Menu Item	Action and Description
	To turn on contact picture settings, if your device supports this feature, select:
	Phone
	Settings
	Manage Phonebook
	Display Photos from Phonebook
	Certain smartphones may support transferring street addresses when listed with phonebook contact information. If your cell phone supports this feature, you can select and use these addresses as destinations and save them as favorites.
Call History	<p>Note: This is a cell phone-dependent feature. If your cell phone does not support downloading call history using Bluetooth, SYNC keeps track of calls made with the SYNC system.</p> <p>After you connect your Bluetooth-enabled cell phone to SYNC, you can access any previously dialed, received or missed calls. You can also choose to save these to:</p>

Menu Item	Action and Description
	Favorites Quick Dial
Messaging	Send text messages using the touchscreen. See Text Messaging later in this section.
Settings	Touch this button to access various phone settings, for example turning Bluetooth on and off, managing your phonebook and more. See Phone Settings later in this section

Text Messaging

Note: *Downloading and sending text messages using Bluetooth are cell phone-dependent features.*

Note: *Certain features in text messaging are speed-dependent and not available when your vehicle is traveling at speeds over 5.0 mph (8 km/h).*

Note: *SYNC does not download read text messages from your cell phone.*

You can send and receive text messages using Bluetooth, read them aloud and translate text messaging acronyms, for example LOL.

Touch the top left corner of the display, then select:

Menu Item
Phone
Messaging
Then any of the following:
Listen (speaker icon)
Dial
Send Text

SYNC™ 2

Menu Item
View
Delete
Delete All

Composing a Text Message

Note: *This is a speed-dependent feature. It is unavailable when your vehicle is traveling at speeds over 5 mph (8 km/h).*

Note: *Downloading and sending text messages using Bluetooth are cell phone-dependent features.*

To compose and send a text message, select:

Menu Item	Action and Description
Phone	
Messaging	
Send Text	Enter a cell phone number or choose from your phonebook.
Edit Text	Allows you to customize the pre-defined message or create a message on your own.
Send	Sends the message as it is.

You can then preview the message, verify the recipient as well as update the message list, and send it to a connected device, for example a USB drive.

Text Message Options

Messages
I'll call you back in a few minutes.
I just left, I'll be there soon.
Can you give me a call?
I'm on my way.
I'm running a few minutes late.
I'm ahead of schedule, so I'll be there early.

Messages
I'm outside.
I'll call you when I get there.
OK
Yes
No
Thanks
Stuck in traffic.
Call me later.
LOL

SYNC™ 2

Receiving a Text Message

When a new message arrives, an audible tone sounds and the screen displays a pop-up with the caller name and ID, if supported by your cell phone. You can select:

Menu Item	Action and Description
View	To view the text message.
Listen	For SYNC to read the message to you.
Dial	To call the contact.
Ignore	To exit the screen.

Phone Settings

To enter the phone settings menu select:

Menu Item	Action and Description
Phone	
Settings	

Then any of the following:

Bluetooth Devices	Connect, disconnect, add or delete a device, as well as save it as a favorite.
Bluetooth	To turn Bluetooth off or on.
Do Not Disturb	If you want all calls to go directly to your voicemail and not ring in the vehicle. When this feature is on, text message notifications do not ring inside the cabin either.
Emergency Assistance	Switch the Emergency Assistance feature on or off. See Information (page 352).
Phone Ringer	Select the ring tone you want to hear when you receive a call. Choose from possible system ring tones, your currently paired cell phone's ring tone, a beep, text-to-speech or a silent notification.
Text Message Notification	Select a text message notification, if supported by your cell phone. Choose from possible system alert tones, text-to-speech or silent.

SYNC™ 2

Menu Item	Action and Description
Internet Data Connection	If your cell phone is compatible, use this screen to adjust your internet data connection. Select to make your connection profile with the personal area network or to turn off your connection. You can also choose to adjust your settings or have the system always connect, never connect when roaming or query on connect. Press ? for more information.
Manage Phonebook	To access features such as automatic phonebook download, re-download your phonebook, add contacts from your cell phone as well as delete or upload your phonebook.
Roaming Warning	To have the system alert you when your cell phone is in roaming mode.

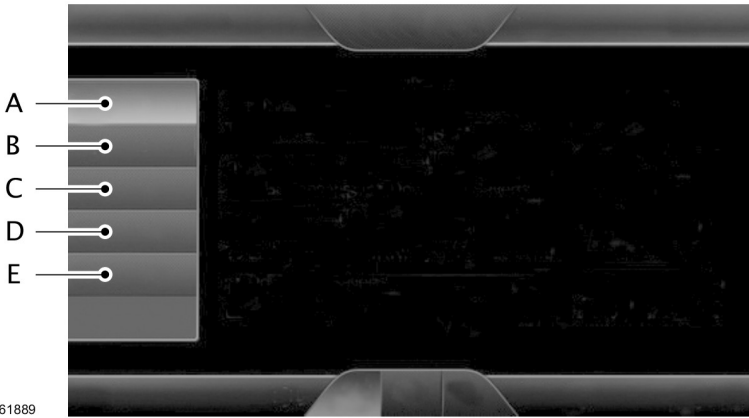
Phone Voice Commands



Press the voice button and when prompted say any of the following or a similar command:

Voice command
Call Voicemail
Listen to Message
Reply to Message
Pair Phone
help

INFORMATION



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Item	Menu Item
A	Traffic
B	Alerts
C	Calendar
D	SYNC-Apps
E	Where Am I?

i If your vehicle is equipped with Navigation, press the **Information** button to access these features. If your vehicle is not equipped with Navigation, press the corner of the touchscreen with the green tab.

Notifications

i If your vehicle is equipped with Navigation, touch the **i** (Information) button to access these features. If your vehicle is not equipped with Navigation, touch the corner of the touchscreen with the green tab.


Press Notifications, and then choose from any of the following services:

Menu Item	Action and Description
View	The complete message
Delete	The message
Delete All	Messages

This screen displays any system messages (such as an SD card fault).

Note: *The system alerts you to any messages by turning the information icon yellow. After you read or delete the messages, the icon returns to white.*


Calendar


 If your vehicle is equipped with Navigation, touch the **i** (Information) button to access these features. If your vehicle is not equipped with Navigation, touch the corner of the touchscreen with the green tab.


Press **Calendar**. You can view the current calendar by day, week or month.

Emergency Assistance (If Equipped)

WARNINGS

 For this feature to work, your mobile phone must be Bluetooth capable and compatible with the system.

 Always place your mobile phone in a secure location inside your vehicle. Failure to do so may cause serious injury to someone or damage the phone which could prevent Emergency Assistance from working correctly.

 Unless the Emergency Assistance setting is set to on prior to a collision, the system will not attempt to place an emergency call which could delay the response time, potentially increasing the risk of serious injury or death. Do not wait

WARNINGS

for Emergency Assistance to make an emergency call if you can do it yourself. Dial emergency services immediately to avoid a delayed response time. If you do not hear Emergency Assistance within five seconds of the crash, the system or cell phone may be damaged or non-functional.

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

In the event of a collision which deploys an airbag or activates the fuel pump shut-off, the system may contact the emergency services (including call center) through a paired and connected mobile phone. The emergency services operator contacts the relevant police agency and establishes communication among three parties (you, call center and the police agency). In the end, the local police agency coordinates the rescue.

Note: *In case of an emergency, Emergency Assistance, as a means of communication aid, can help you contact specific rescue departments of public security. Emergency Assistance does not implement the rescue operations. The local public security department deploys specific rescue operations according to the actual situation.*

See **Supplementary Restraints System** (page 27). Important information regarding airbag deployment is in this chapter.

See **Roadside Emergencies** (page 186). Important information regarding the fuel pump shut-off is in this chapter.

Setting Emergency Assistance On



If your vehicle is equipped with Navigation, touch the I (Information) button to access these features. If your vehicle is not equipped with Navigation, touch the corner of the touchscreen with the green tab. Then select:

Menu Item
Apps
Emergency Assistance
On



Display Options

If you switch on this feature, a confirmation message appears in the display when your cell phone connects and your vehicle starts.

If you switch off this feature, the dialog allows you to set a reminder.

Off with reminder provides a display and voice reminder when your cell phone connects and your vehicle starts.

Off without reminder provides a display reminder only without a voice reminder when your cell phone connects.

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.

Note: *This feature only works in a European country or region where SYNC Emergency Assistance can call the local emergency services. Visit the regional Ford website for details.*

In the Event of a Crash

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. The system attempts to dial 112.*

Before making a call:

- If you do not cancel the call and SYNC makes a successful 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 attempts to dial 112.
- 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.

During a call:

- Emergency Assistance uses your vehicle GPS or cellular network information when available to determine the most appropriate language to use.
- 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.*

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 SYNC 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 European country or region where the SYNC Emergency Assistance cannot place the call. Visit the regional Ford website for details

Important Information about the Emergency Assistance Feature

Emergency Assistance does not currently call emergency services in the following markets: Albania, Belarus, Bosnia and Herzegovina, Macedonia, Netherlands, Ukraine, Moldova and Russia.

Visit the regional Ford website for latest details.

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.

Where Am I?

For vehicle location and information select:

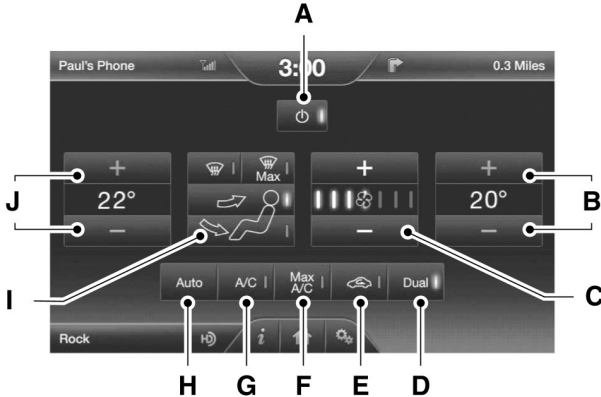
Menu Item	Action and Description
Information	
Help	
Then select:	
Where Am I?	View your vehicle's current location, if your vehicle is equipped with navigation. If your vehicle is not equipped with navigation, you do not see this button.

CLIMATE

Press the lower right corner on the touchscreen to access your climate control features. Depending on your vehicle line and option package, your climate screen

may look different from the screen shown here.

Note: You can switch temperature units between Fahrenheit and Celsius. See **Settings** (page 321).



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- A **Power:** Touch to switch the system off and on. Outside air cannot enter your vehicle when you switch off the system.
- B **Passenger settings:** Touch + or – to adjust the temperature.
- C **Fan speed:** Touch + or - to adjust fan speed.
- D **DUAL:** Touch to switch on the passenger temperature control.
- E **Recirculated air:** Touch to switch the recirculated air on or off which may reduce the amount of time needed to cool down the interior and help reduce odors from reaching the interior. Recirculated air also engages automatically when MAX A/C or MAX defrost is selected and may be engaged manually in any airflow mode except defrost. It may also turn off in all airflow modes except MAX A/C and MAX defrost to reduce fog potential.
- F **MAX A/C:** Touch to cool your vehicle with recirculated air. Touch again for normal A/C operation. MAX A/C distributes air through instrument panel vents and may help reduce odors from entering your vehicle. MAX A/C is more economical and efficient than normal A/C mode.
- G **A/C:** Touch to switch the air conditioning on or off. Use A/C with recirculated air to improve cooling performance and efficiency. A/C engages automatically in MAX A/C, defrost and footwell/defrost.

- H **AUTO:** Touch to engage automatic operation, then set the temperature using the temperature control. The system automatically controls fan speed, airflow distribution, A/C on or off and the use of fresh or recirculated air.
- I **Manual airflow distribution controls: Footwell and Defrost:** Distributes air through the windshield defroster vents, demister vents, floor vents and rear seat floor vents, and provides outside air to reduce window fogging. **Panel:** Distributes air through the instrument panel vents. **Panel and Floor:** Distributes air through the instrument panel vents, demister vents, floor vents and rear seat floor vents. **Floor:** Distributes air through the demister vents, floor vents and rear seat floor vents. **Defrost:** Touch to clear the windshield of fog and thin ice. Touch again to return to the previous airflow selection. When on, defrost provides outside air to reduce window fogging and distributes air through the windshield defroster vents and demister vents. **MAX Defrost:** Distributes outside air through the windshield air vents and automatically turns the air conditioning on. The fan is set to the highest speed and the temperature to HI. When the air distribution is set in this position, you are unable to select recirculated air or manually adjust the fan speed and temperature control.
- J **Driver settings:** Touch + or – to adjust the temperature.

Climate Control Voice Commands



Press the voice button on the steering wheel controls. When prompted, say any of the following or a similar command:

Voice commands	
Climate On	
Climate Off	
Set temperature	Adjust the temperature to between 15.0 - 30.0°C or 59 - 86°F.

NAVIGATION

Note: The navigation SD card must be in the SD card slot to operate the navigation system. If you need a replacement SD card, contact an authorized dealer.

Note: The SD card slot is spring-loaded. To remove the SD card, just push the card in and release it. Do not attempt to pull the card out to remove it; this could cause damage.

Your navigation system is comprised of two main features, destination mode and map mode.

Destination Mode

To set a destination press the green corner of your touchscreen, then the press:

Menu Item
Dest.
Choose any of the following:
My Home
Favorites
Previous Destinations
Point of Interest
Emergency
Street Address
Intersection
City Center
Latitude/Longitude
Edit Route
Cancel Route

To set your destination, enter the necessary information into the highlighted text fields (in any order).

For an address destination entry, press:

Menu Item	Action and Description
Go	Pressing the this button makes the address location appear on the map.

To choose a previous destination, press:

Menu Item	Action and Description
Previous Destinations	The last 20 destinations you have selected appear.

Once you have chosen you destination press:

Menu Item	Action and Description	
Set as Dest	To make this your destination. You can also choose to set this as a waypoint (have the system route to this point on the way to your current destination) or save it as a favorite. You can then choose your route from three different options.	
	Fastest Route	Uses the fastest moving roads possible.
	Shortest Route	Uses the shortest distance possible.
	Eco Route	Uses the most fuel-efficient route.
Avoid Areas	Your pre-set selections are considered when your route is calculated. For more information on these selections, see Setting Your Navigation Preferences later in this chapter.	

To begin navigation press:

Menu Item	Action and Description
Start Route	You can cancel the route or have the system demo the route for you. During route guidance, you can press the talking bubble icon that appears in the upper right navigation corner (green bar) if you want the system to repeat route guidance information. When the system repeats the last guidance instruction, it updates the distance to the next guidance instruction, since it detects when the vehicle is moving.

To set route preferences press:

Menu Item	Action and Description
Route Prefs	In route preferences you can to set preferences like avoiding motorways, tollroads, ferries and car trains or tunnels.

Note: *If your vehicle is on a recognized road and you do not press the **Start Route** button, the system defaults to the Fastest Route option and begins guidance.*

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Michelin Travel Guide

The Michelin travel guide is a service which provides additional information about certain places of interests (POI) such as restaurants, hotels and touristic sites (if available).

If you have paired your phone with the system, you can press the phone button to directly establish a call with the selected POI.

Note: *Not all features are available in all languages and countries.*

Point of Interest (POI) Categories

Main categories
Fuel Station
Parking
Food, Drink and Dining
Automotive
Travel and Transportation
Shopping

To access the settings options, press

Menu Item
Settings
Navigation
Then select any of the following:

Main categories

Financial
Entertainment & Arts
Emergency
Recreation & Sports
Community
Government
Health and Medicine
Domestic Services

To expand these listings, press the + in front of the listing.

The system also allows you to sort alphabetically or by distance.

Setting Your Navigation Preferences



Select settings for the system to take into account when planning your route.

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Map Preferences

Menu Item	Second Level Messages, Actions and Descriptions	
Map Preferences		
Then select any of the following:		
Breadcrumbs	Display your vehicle's previously traveled route with white dots. You can switch this feature:	
	On	Off
Turn List Format	Have the system display your turn list	
	Top to Bottom	Bottom to Top
Parking POI Notification	When parking point of interest notification is on, the icons display on the map when you get close to your destination. This may not be very useful in dense areas, and may clutter the map when other points of interest display. Set the automatic parking point of interest notification. You can switch this feature:	
	On	Off

Route Preferences

Menu Item	Second Level Messages, Actions and Descriptions	
Route Preferences		
Then select any of the following:		
Preferred Route	Set the automatic parking point of interest notification. When parking point of interest notification is on, the icons display on the map when you get close to your destination. This may not be very useful in dense areas, and may clutter the map when other points of interest display. Switch this feature:	
	On	Off
Always use Preferred Route	Bypass route selection in destination programming. The system only calculates one route based on preferred route setting.	

SYNC™ 2

Menu Item	Second Level Messages, Actions and Descriptions	
Eco Time Penalty	Select a low, medium or high cost for the calculated Eco Route. The higher the setting, the longer the time allotment is for the route.	
Avoid	These features allow you to choose to have the system avoid motorways, toll roads, ferries, car trains and tunnels when planning your route. Switch these features:	
	On	Off

Navigation Preferences

Menu Item	Second Level Messages, Actions and Descriptions	
Navigation Preferences		
Then select any of the following:		
Hazard Spot Warning	Have the system activate hazard spot warning in countries where legally allowed.	
Guidance Prompts	Select the type of prompts the system uses.	
Auto - Fill State/Province	Have the system automatically fill in the state and province based on the information already entered into the system. You can switch this feature:	
	On	Off

Traffic Preferences

Menu Item	Second Level Messages, Actions and Descriptions	
Traffic Preferences		
Then select any of the following:		
Avoid Traffic Problems	You can choose how you want the system to handle traffic problems along your route.	
	Automatic	Have the system reroute you to avoid traffic incidents that develop and impact the current route. The system does not provide a traffic alert notification

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Menu Item	Second Level Messages, Actions and Descriptions	
	Manual	Have the system always provide a traffic alert notification for traffic incidents along the planned route. You have a choice to accept or ignore the notification before making the route deviation.
Traffic alert notification	Activate traffic alert notifications on or off.	
Traffic Icon Settings	Have the system avoid traffic problems automatically.	
	Switch traffic alert notifications on or off.	
	Have the system display accident icons.	
	Have the system display traffic jam icons.	
	Have the system display closed roads.	
	Have the system display road work icons.	
	Have the system display incident icons.	
	Have the system display icons for areas where difficult driving conditions may occur.	
	Have the system display icons for areas where snow and ice on the road may occur.	
	Have the system display any smog icons.	
	Have the system display weather warning icons.	
	Have the system display where there may be reduced visibility.	
Have the system display icons to recommend switching on your radio for traffic announcements.		

Avoid Area

Menu Item	Second Level Messages, Actions and Descriptions
Avoid Areas	Choose areas which you want the system to avoid when calculating a route for you
Then select any of the following:	
Add	Once you make a selection, the system tries to avoid the area(s) if possible for all routes. To program an entry, press:
Delete	To delete a section choose the listing on the screen. The screen will change, then press:

Map Mode

Press the green bar in the upper right area of the touchscreen to view map mode. Map mode shows advanced viewing comprised of both 2D city maps as well as 3D landmarks (when available).

2D city maps show detailed outlines of buildings, visible land use and land elements and detailed railway infrastructure for the most essential cities around the globe. These maps also contain features, such as town blocks, building footprints and railways.

3D landmarks appear as clear, visible objects that are typically recognizable and have a certain tourist value. The 3D landmarks appear in 3D map mode only. Coverage varies and improves with updated map releases.



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Change the appearance of the map display by repeatedly pressing the arrow button in the upper left corner of the screen. It toggles between three different map modes:



Heading up (2D map) This always shows the direction of forward travel to be upward on the screen. This view is available for map scales up to 3 mph (5 km/h).





North up (2D map) always shows the northern direction to be upward on the screen.

 **3D map mode** provides an elevated perspective of the map. This viewing angle can be adjusted and the map can be rotated 180 degrees by touching the map twice, and then dragging your finger along the shaded bar with arrows at the bottom of the map.

You can also select the following options:

Menu Items	
View	Switches between full map, street list and exit view in route guidance.
Menu	Displays a pop-up box that allows direct access to navigation settings.

 Press the speaker button on the map to mute route guidance. When the light on the button illuminates, the feature is on. The speaker button appears on the map only when route guidance is active.

 Re-center the map by pressing this icon whenever you scroll the map away from your vehicle's current location.

Auto Zoom


Press the green bar to access map mode, then select the **+** or **-** zoom button to bring up the zoom level and Auto buttons on the touchscreen. When you press **Auto**, Auto Zoom turns on and **Auto** displays in the bottom left corner of the screen in the map scale. The map zoom level then


synchronizes with vehicle speed. The slower your vehicle is traveling, the farther in the map zooms in; the faster your vehicle is traveling, the farther the map zooms out. To switch the feature off, just press the **+** or **-** button again.


In 3D mode, rotate the map view by swiping your finger across the shaded bar with the arrows.

The ETA box under the zoom buttons appears when a route is active and displays the distance and time to your destination. If the button is pressed, a pop up appears with the destination listed (and waypoint if applicable) along with mileage and time to destination. You may also select to have either the estimated time to reach your destination or your estimated arrival time.

Map Icons

 **Vehicle mark** shows the current location of your vehicle. It stays in the center of the map display, except when in scroll mode.

 **Scroll cursor** allows you to scroll the map; the fixed icon is in the center of the screen. The map position closest to the cursor is in a window on the top center part of the screen.

 **Address book entry default icon(s)** indicates the location on the map of an address book entry. This is the default symbol shown after the entry has been stored to the Address Book by any method other than the map. You can select from any of the 22 icons available. You can use each icon more than once.



Home indicates the location on the map currently stored as the home position. You can only save one address from the Address

Book as your Home entry. You cannot change this icon.



POI (Point Of Interest) icons indicate locations of any point of interest categories you choose to display on the map. You can

choose to display three point of interest categories on the map at one time.



Starting point indicates the starting point of a planned route.



Waypoint indicates the location of a waypoint on the map. The number inside the circle is different for each waypoint and represents

the position of the waypoint in the route list.



Destination symbol indicates the ending point of a planned route.



Next maneuver point indicates the location of the next turn on the planned route.



No GPS symbol indicates that insufficient GPS satellite signals are available for accurate map positioning. This icon may display

under normal operation in an area with poor GPS access.

Quick-touch Buttons

When in map mode, touch anywhere on the map display to access the following options:

Menu Item	Action and Description
Set as Dest	Touch this button to select a scrolled location on the map as your destination. You may scroll the map by pressing your index finger on the map display. When you reach the desired location, simply let go and then touch this button.
Set as Waypoint	Touch this button to set the current location as a waypoint.
Save to Favorites	Touch this button to save the current location to your favorites.
POI Icons	Touch this button to select icons to display on the map. You can select up to three icons to display on the map at the same time. You can switch these features:
	On
Cancel Route	Touch this button to cancel the active route.

View/Edit Route

Access these features when a route is active:

Menu Item
View Route
Edit Destination/Waypoints
Edit Turn List
Detour
Edit Route Preferences
Edit Traffic Preferences
Cancel Route

HERE is the digital map provider for the navigation application. If you find map data errors, you may report them directly to HERE by going to www.here.com. HERE evaluates all reported map errors and responds with the result of their investigation by e-mail.

Navigation Map Updates

Annual navigation map updates are available for purchase through your dealership.

Navigation Voice Commands



When in navigation mode, press the voice button on the steering wheel controls.

After the tone, say any of the following or a similar command:

Voice command
Destination
Zoom Out
Zoom In
Where Am I
help

The following commands can only be used when a navigation route is active:

Voice command
Detour
Cancel Route
Show Route
Repeat Instruction
Turn List

SYNC™ 2

One-shot Destination Street Address

To set a destination with voice commands, you can say:

Voice Command	Action and Description
Find an Address	The system asks you to say the full address. The system displays an example on-screen.

You can then speak the address naturally, such as "One two three four Main Street, Anytown".

SYNC™ TROUBLESHOOTING

Your SYNC system is easy to use. However, should questions arise, please refer to the tables below.

To check your cell phone's compatibility, visit the regional Ford website.

Cell phone issues		
Issue	Possible cause	Possible solution
A lot of background noise during a phone call.	The audio control settings on your cell phone may be affecting SYNC performance.	Refer to your device's manual about audio adjustments.
During a call, I can hear the other person but they cannot hear me.	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
		Make sure that the microphone for SYNC is not set to off.
SYNC is not able to download my phonebook.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
		Try pushing your phonebook contacts to SYNC by selecting the option to add.
		You must switch on your cell phone and the automatic phonebook download feature on SYNC.

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Cell phone issues		
Issue	Possible cause	Possible solution
The system says "Phone-book down-loaded" but my SYNC phone-book is empty or is missing contacts.	Limitations on your cell phone's capability.	Try pushing your phonebook contacts to SYNC by selecting the option to add.
		If the missing contacts are stored on your SIM card, try moving them to your cell phone's memory.
		Remove any pictures or special ring tones associated with the missing contact.
		You must switch on your cell phone and the automatic phonebook download feature on SYNC.
I am having trouble connecting my cell phone to SYNC.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
		Try deleting your device from SYNC and deleting SYNC from your device, then trying again.
		Always check the security and auto accept prompt settings relative to the SYNC Bluetooth connection on your cell phone.
		Update your cell phone's firmware.
		Switch off the auto download setting.
Text messaging is not working on SYNC.	This is a cell phone-dependent feature.	Check your cell phone's compatibility.
	Possible cell phone malfunction.	Try switching off your cell phone, resetting it or removing the battery, then trying again.
	iPhone	<ul style="list-style-type: none"> • Go to your cell phone's Settings. • Go to the Bluetooth Menu. • Make sure the connection status shows Not Connected. • Press the blue circle to enter the next menu. • Turn on Show Notifications. • Turn on Sync Contacts.

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Cell phone issues		
Issue	Possible cause	Possible solution
		Your iPhone is now set up to forward incoming text messages to SYNC. Repeat these steps for every other Sync vehicle you are connected to. Your iPhone will only forward incoming text messages to SYNC if it is unlocked. Replying to text messages using SYNC is not supported by iPhone. Text messages from WhatsApp and Facebook Messenger are not supported.
Audible text messages do not work on my cell phone.	This is a cell phone-dependent feature.	Your cell phone must support downloading text messages through Bluetooth to receive incoming text messages. Access the text messaging menu of SYNC to see if your cell phone supports the feature. Press the PHONE button and then scroll and select the option for text messaging, then press OK .
	This is a cell phone limitation.	Because each cell phone is different, refer to your device's manual for the specific cell phone you are pairing. In fact, there can be differences between cell phones due to brand, model, service provider and software version.

USB and media issues		
Issue	Possible cause	Possible solution
I am having trouble connecting my device.	Possible device malfunction.	Try switching off the device, resetting it or removing the battery, then trying again.
		Make sure you are using the manufacturer's cable.
		Make sure correctly insert the USB cable to the device and your vehicle's USB port.
		Make sure that the device does not have an auto-install program or active security settings.

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USB and media issues		
Issue	Possible cause	Possible solution
SYNC does not recognize my device when I start my vehicle.	This is a device limitation.	Make sure you are not leaving the device in your vehicle during very hot or cold temperatures.
Bluetooth audio does not stream.	This is a device-dependent feature.	Make sure you connect the device to SYNC and press play on your device.
	The device is not connected.	
SYNC does not recognize music that is on my device.	Your music files may not contain the correct artist, song title, album or genre information.	Make sure that all song details are populated.
	The file may be corrupted.	Try replacing the corrupt file with a new version.
	The song may have copyright protection that does not allow it to play.	Some devices require you to change the USB settings from mass storage to media transfer protocol class.
When I connect my iPhone or iPod Touch through the USB and Bluetooth Audio at the same time, I sometimes do not hear any sound.	This is a device limitation.	From the iPhone or iPod Touch music now playing screen, select the audio device airplay icon at the very bottom of your iPhone or iPod Touch screen.
		To listen to the iPhone or iPod Touch through Bluetooth Audio, select SYNC.
		To listen to the iPhone or iPod Touch through USB, select Dock Connector.

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Voice command issues		
Issue	Possible cause	Possible solution
SYNC does not understand what I am saying.	You may be using the wrong voice commands.	Review the cell phone voice commands and the media voice commands at the beginning of their respective sections.
		Refer to the audio display during an active voice session to find a list of voice commands there.
	You may be speaking too soon or at the wrong time.	The microphone for the system is either in your rear view mirror or in the headliner just above the windshield.
SYNC does not understand the name of a song or artist.	You may be using the wrong voice commands.	Review the media voice commands at the beginning of the media section.
	You may not be saying the name exactly as the system saved it.	Say the song or artist exactly as the system saved it. If you say, "Play Artist Prince", the system does not play music by Prince and the Revolution or Prince and the New Power Generation.
		Make sure you are saying the complete title such as "California remix featuring Jennifer Nettles".
	If the song titles are in capital letters, you have to spell them. LOLA requires you to say "L-O-L-A".	
	The system may not be reading the name the same way you are saying it.	Do not use special characters in the title, as the system does not recognize them.
SYNC does not understand or is calling the wrong contact when I want to make a call.	You may be using the wrong voice commands.	Review the cell phone voice commands at the beginning of the cell phone section.
		You can also use the cell phone and media suggestion lists to get a list of possible suggestions when the system cannot fully understand you. See Using Voice Recognition (page 275).

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Voice command issues		
Issue	Possible cause	Possible solution
	You may not be saying the name exactly as the system saved it.	Make sure you are saying the name exactly as the system saved it. For example, if the contact name is Joe Wilson, say "Call Joe Wilson".
		The system works better if you list full names such as "Joe Wilson" rather than "Joe".
	Contacts in your phonebook may be very short and similar or they may contain special characters.	Do not use special characters such as 123 or ICE as the system does not recognize them.
	Your phonebook contacts may be in capital letters.	If the contacts are in capital letters, you have to spell them. JAKE requires you to say "Call J-A-K-E".
The SYNC voice control system is having trouble recognizing foreign names stored on my cell phone.	You may be saying the foreign names using the currently selected language for SYNC.	SYNC applies the phonetic pronunciation rules of the selected language to the contact names stored on your cell phone.
		Helpful Hint: You can select your contact manually. Press PHONE . Select the option for phonebook and then contact name. Press the soft-key option to hear it. SYNC will read the contact name to you, giving you some idea of the pronunciation it is expecting.
The SYNC voice control system is having trouble recognizing foreign tracks, artists, albums, genres and playlist names from my media player or USB flash drive.	You may be saying the foreign names using the currently selected language for SYNC.	SYNC applies the phonetic pronunciation rules of the selected language to the names stored on your media player or USB flash drive. It is able to make some exceptions for very popular artist names (for example, U2) such that you can always use the English pronunciation for these artists.

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Voice command issues		
Issue	Possible cause	Possible solution
The system generates voice prompts and the pronunciation of some words may not be accurate for my language.	SYNC uses text-to-speech voice prompt technology.	SYNC uses a synthetically generated voice rather than pre-recorded human voice.
		SYNC offers several new voice control features for a wide range of languages. Dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, "play artist Madonna).
My previous Bluetooth voice control system allowed me to control the radio, CD, and climate control systems. Why can I not control these systems with SYNC?	The focus of SYNC is to control your mobile devices and the content stored on them.	SYNC offers significant capability beyond the previous system such as dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, "play artist Madonna).

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General		
Issue	Possible cause	Possible solution
The language selected for the instrument cluster and information and entertainment display does not match the SYNC language (phone, USB, Bluetooth audio, voice control and voice prompts).	SYNC does not support the currently selected language for the instrument cluster and information and entertainment display.	SYNC only supports four languages in a single module for text display, voice control and voice prompts. The country where you bought your vehicle dictates the four languages based on the most popular languages spoken. If the selected language is not available, SYNC remains in the current active language.
		SYNC offers several new voice control features for a wide range of languages. Dialing a contact name directly from the phonebook without pre-recording (for example, "call John Smith") or selecting a track, artist, album, genre or playlist directly from your media player (for example, play artist Madonna).

SYNC with Touchscreen System Reset
The system has System Reset feature that can be performed if the function of a SYNC feature is lost. This reset is intended to restore functionality and will not erase any information previously stored in the system (such as paired devices, phonebook, call history, text messages, or user settings). To perform a System Reset, press and hold the Seek Up (>>) button while pressing and holding the Radio Power button. After approximately 5 seconds the screen will go black. Allow a 1-2 minutes for the system reset to complete. You may then resume using the SYNC system.





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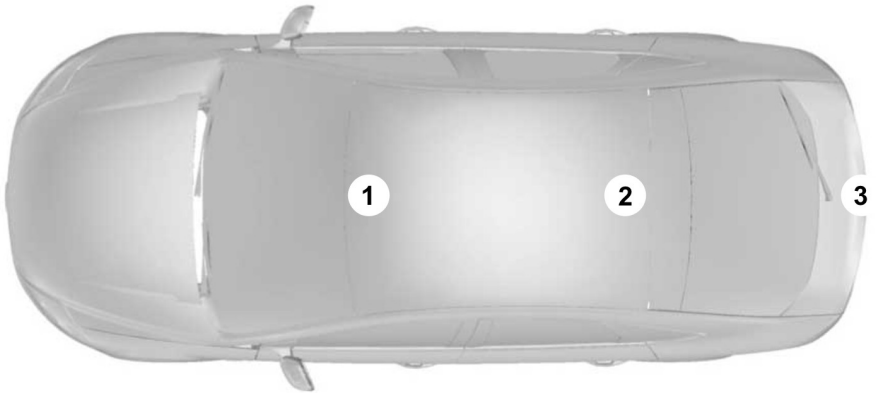
ELECTROMAGNETIC COMPATIBILITY

WARNINGS

 Your vehicle has been tested and certified to legislations relating to electromagnetic compatibility (72/245/EEC, UN ECE Regulation 10 or other applicable local requirements). It is your responsibility to make sure that any equipment you have fitted complies with applicable local legislations. Have any equipment fitted by an authorized dealer.

WARNINGS

-  The radio frequency transmitter equipment, for example cellular telephones and amateur radio transmitters, may only be fitted to your vehicle if they keep to the parameters shown in the table below. There are no special provisions or conditions for installations or use.
-  Do not mount any transceiver, microphones, speakers, or any other item in the deployment path of the airbag system.
-  Do not fasten antenna cables to original vehicle wiring, fuel pipes and brake pipes.
-  Keep antenna and power cables at least 3.9 in (10 cm) from any electronic modules and airbags.



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Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
1-30	50 W	3
30-54	50 W	1, 2
68-87.5	50 W	1, 2
142-176	50 W	1, 2
380-512	50 W	1, 2
806-940	10 W	1, 2
1200-1400	10 W	1, 2
1710-1885	10 W	1, 2
1885-2025	10 W	1, 2

Note: After the installation of radio frequency transmitters, check for disturbances from and to all electrical equipment in your vehicle, both in the standby and transmit modes.

Check all electrical equipment:

- With the ignition on.
- With the engine running.
- During a road test at various speeds.

Check that electromagnetic fields generated inside your vehicle cabin by the transmitter installed do not exceed applicable human exposure requirements.

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Read and follow instructions: Before using your Windows Automotive-based system, read and follow all instructions and safety information provided in this end user manual ("User's Guide"). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.

Keep User's Guide in vehicle: When kept in the vehicle, the User's Guide will be a ready reference for you and other users unfamiliar with the Windows Automotive-based system. Please make certain that before using the system for the first time, all persons have access to the User's Guide and read its instructions and safety information carefully.

WARNING



Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions you might be required to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control: Functions within the Windows Automotive-based system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

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. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

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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.

Use of Speech Recognition Functions: Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

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.

Distraction Hazard: Any navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. 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.

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.

These terms and conditions represent the agreement ("Agreement") between you and Telenav, Inc. ("Telenav") with respect to the Telenav Software (including upgrades, modifications, or additions thereto) (collectively "Telenav Software"). All references herein to "you" and "your" means you, your employees, agents, and contractors, and any other entity on whose behalf you accept these terms and

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conditions, all of whom shall also be bound by this Agreement. Additionally, all of your account information, as well as other payment and personal information provided by you to Telenav (directly or through the use of the Telenav Software, is subject to Telenav's privacy policy located at <http://www.telenav.com>.

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.

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

You agree not to do any of the following: (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

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copyright notices, or other notices or markings; (d) 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 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

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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 laws 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 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

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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.

TERMS AND CONDITIONS

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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.

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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 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.

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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.

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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

Ecuador “INSTITUTO GEOGRAFICO MILITAR DEL ECUADOR AUTORIZACION N° IGM-2011-01- PCO-01 DEL 25 DE ENERO DE 2011”
“source: © IGN 2009 - BD TOPO ®”

Guade-
loupe,
French
Guiana
and
Marti-
nique
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, Landvermessungsämter 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(es) Notice

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Austria “© Bundesamt für Eich- und Vermessungswesen”

Croatia
Cyprus,
Estonia,
Latvia,
Lithuania,
Moldova,
Poland,
Slovenia
and/or
Ukraine

“© EuroGeographics”

France “source: © IGN 2009 – BD TOPO ®”

Germany “Die Grundlagendaten wurden mit Genehmigung der zuständigen Behörden entnommen”

Great Britain “Contains Ordnance Survey data © Crown copyright and database right 2010 Contains Royal Mail data © Royal Mail copyright and database right 2010”

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”

Spain “Información geográfica propiedad del CNIG”

Sweden “Based upon electronic data © National Land Survey Sweden.”

Switzer-land “Topografische Grundlage: © Bundesamt für Landestopographie.

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.

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).

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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."

VII. China Territory

Personal Use Only

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Vehicle with SYNC only United States and Mexico

FCC ID: KMHSG1G1

IC: 1422A-SG1G1

Mexico

Model: KMHSG1P1

NOM-121-SCT1-2009

The operation of this equipment is subject to the following two conditions: (1) This equipment or device may not cause harmful interference, and (2) this equipment or device must accept any interference, including interference that may cause undesired operation.

Vehicle with SYNC with Touchscreen/My Touch

FCC ID: KMHSYNGG2

IC: 1422A-SYNGG2

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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