

Ford**Galaxy**
Ford**S-MAX**
Owner's handbook

Feel the difference



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Introduction

ABOUT THIS HANDBOOK

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

Note: *This handbook describes product features and options available throughout the range, sometimes even before they are generally available. It may describe options not fitted to your vehicle.*

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

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

This vehicle has received both the endorsement of TÜV, the accredited international testing organisation, and been awarded the British Allergy Foundation's Seal of Approval' for its allergy-friendly properties.

All materials used in the manufacture of the interior of this vehicle meet strict requirements of the TÜV TOXPROOF Criteria Catalogue for Vehicle Interiors by TÜV Produkt und Umwelt GmbH and are designed to minimize the risk of allergic reactions.

Additionally an efficient pollen filter protects the passengers against allergen particles in the outdoor air.

The British Allergy Foundation (BAF) considers that these products may, in proper use, reduce exposure to chromium, nickel, latex, grass pollen and other sensitizing substances and volatile organic compounds.

Assessment carried out by Allergy UK indicate that an individual's exposure can be reduced but this does not mean that an individual's allergic symptoms will necessarily diminish. Allergy UK's opinion applies only to the products and allergens stated.

The British Allergy Foundation's Seal of Approval is a European Community registered trademark.

For more info. Contact TÜV at www.tuv.com or the British Allergy Foundation (Charity Reg.No.1094231) at www.allergyuk.org or ring their English only Helpline at UK 44-(0)-1322-619898.

SYMBOLS GLOSSARY

Symbols in this handbook

WARNING



You risk death or serious injury to yourself and others if you do not follow the instructions highlighted by the warning symbol.

CAUTION



You risk damaging your vehicle if you do not follow the instructions highlighted by the caution symbol.

Symbols on your vehicle



When you see these symbols, read and follow the relevant instructions in this handbook before touching or attempting adjustment of any kind.

Introduction

PARTS AND ACCESSORIES

Now you can be sure that your Ford parts are Ford parts

Your Ford has been built to the highest standards using high quality Ford Original Parts. As a result, you can enjoy driving it for many years.

Should the unexpected occur and a major part needs replacing, we recommend that you accept nothing less than Ford Original Parts.

The use of Ford Original Parts ensures that your vehicle is repaired to its pre-accident condition and maintains its maximum residual value.

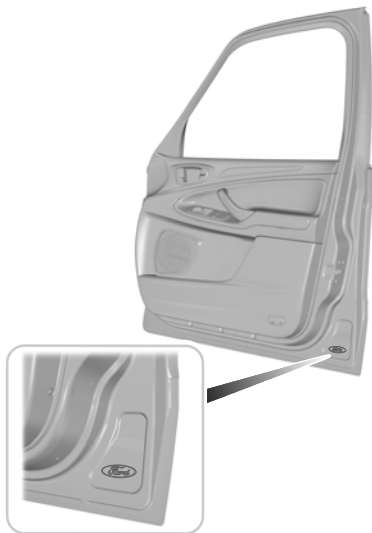
Ford Original Parts match Ford's stringent safety requirements and high standards of fit, finish and reliability. Quite simply, they represent the best overall repair value, including parts and labour costs.

Now it is easier to tell if you have really been given Ford Original Parts. The Ford logo is clearly visible on the following parts if they are Ford Original Parts. If your vehicle has to be repaired, look for the clearly visible Ford branding and make sure that only Ford Original Parts have been used.

Look for the Ford logo on the following parts

Sheet metal

- Wing
- Bonnet
- Doors
- Luggage compartment lid or tailgate



E94714

Bumper and radiator grille

- Radiator grille
- Front and rear bumper



E94715

Introduction

Exterior mirror



E94716



E94717

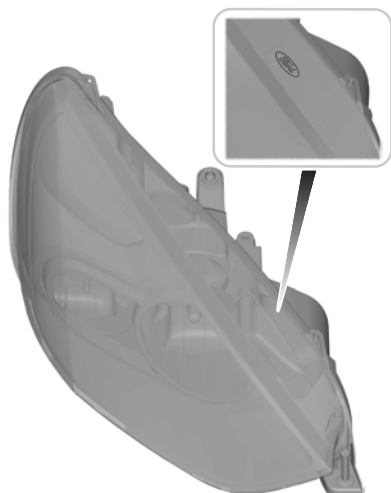
Glass

- Rear window
- Glass roof
- Side glass
- Windscreen

Lighting

- Rear lamps
- Headlamp

Introduction

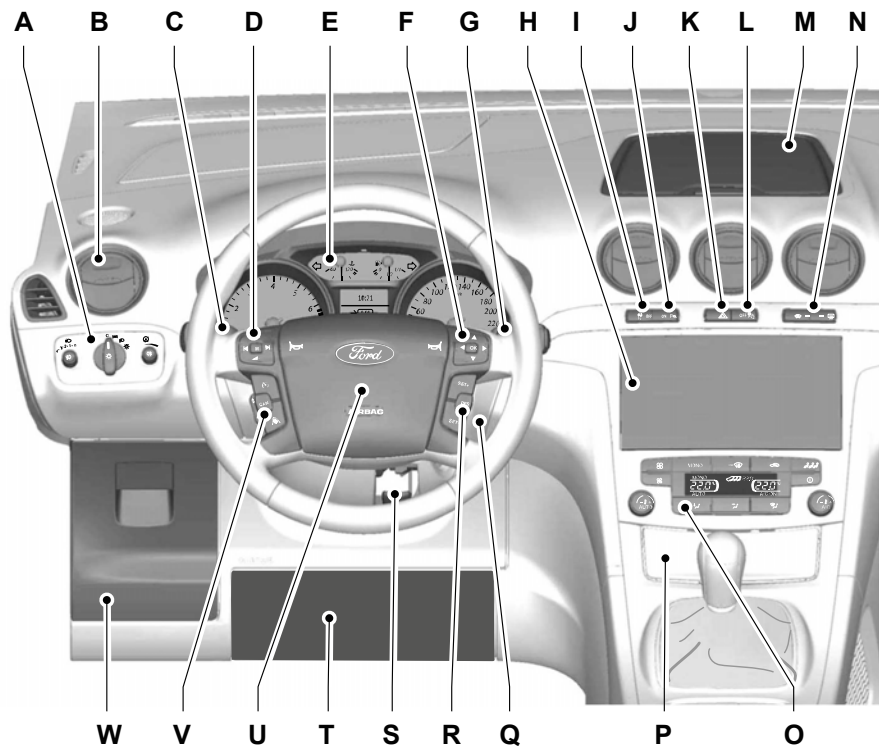


E94718

Quick start

QUICK START

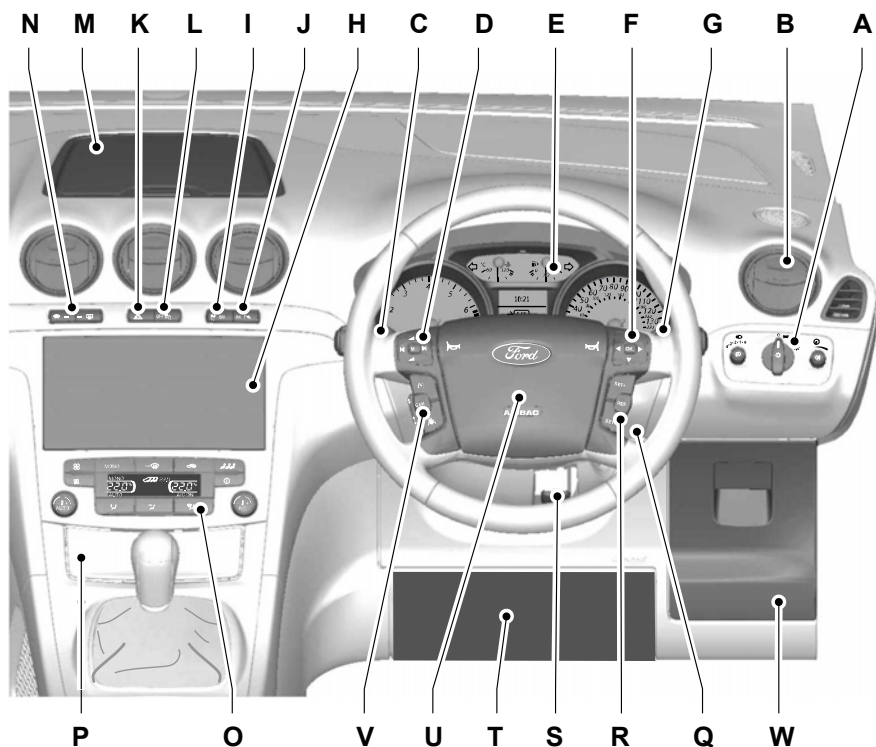
Instrument panel overview - left-hand drive



E74123

Quick start

Instrument panel overview - right-hand drive



E75798

- A Lighting controls. See **Lighting control** (page 51).
- B Air vents. See **Air vents** (page 102).
- C Direction indicators. See **Direction indicators** (page 56). Telephone control buttons. See **Telephone controls** (page 245). Voice control buttons. See **Using voice control** (page 250).
- D Audio controls. See **Audio control** (page 44).
- E Instrument cluster. See **Gauges** (page 76).

Quick start

- F Information display controls. See **Information displays** (page 81).
- G Wiper lever. See **Windscreen wipers** (page 46).
- H Audio or navigation unit. See separate handbook.
- I Stability control (ESP) switch. See **Using stability control** (page 151).
- J Parking aid switch. See **Using the parking aid** (page 156).
- K Hazard warning flasher switch. See **Hazard warning flashers** (page 54).
- L Passenger airbag deactivation warning lamp. See **Disabling the passenger airbag** (page 29).
- M Storage compartment. See **Storage compartments** (page 128).
- N Heated windscreen and heated rear window switches. See **Heated windows and mirrors** (page 110).
- O Climate controls. See **Manual climate control** (page 103). See **Automatic climate control** (page 106).
- P Cigar lighter. See **Cigar lighter** (page 126).
- Q Ignition switch.
- R Cruise control switches. See **Using cruise control** (page 158). Adaptive cruise control (ACC) switches. See **Using ACC** (page 161).
- S Steering wheel adjustment lever. See **Adjusting the steering wheel** (page 44).
- T Driver Knee airbag. See **Principle of operation** (page 25).
- U Horn.
- V Cruise control switches. See **Using cruise control** (page 158). Adaptive cruise control (ACC) switches. See **Using ACC** (page 161).
- W Storage compartment. See **Storage compartments** (page 128).

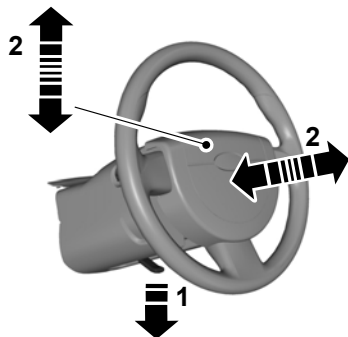
Adjusting the steering wheel

WARNING



Never adjust the steering wheel when the vehicle is moving.

Quick start



E95178



E95179

See **Adjusting the steering wheel** (page 44).

Engine idle speed after starting

The engine may idle at a higher speed than normal immediately after starting from cold.

See **Starting the engine** (page 134).

Electric folding mirrors



E72623

See **Electric exterior mirrors** (page 72).

Reverse mirror dipping

Depending on the selected mirror position, the relevant exterior mirror will dip whenever you select reverse gear, giving you a view of the kerb.

When you first use this feature, the mirrors will dip to a preset position. You can programme the degree of dipping.

See **Electric exterior mirrors** (page 72).

Quick start

Information displays

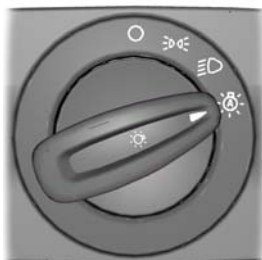


E70499

Use the arrow buttons to navigate through the menus and press **OK** to make a selection.

See **Information displays** (page 81).

Autolamps

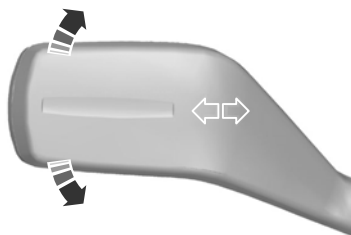


E70719

The headlamps will come on and go off automatically depending on the ambient light.

See **Lighting control** (page 51).

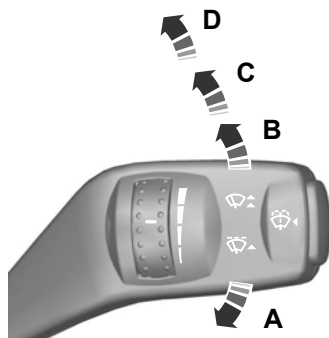
Direction indicators



E70727

Note: Tap the lever up or down to make the direction indicators flash only three times.

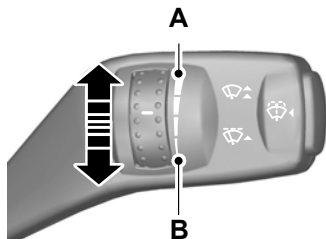
Autowipers



E70696

- A Single wipe
- B Autowipers
- C Normal wipe
- D High speed wipe

Quick start



E70316

- A High sensitivity
- B Low sensitivity

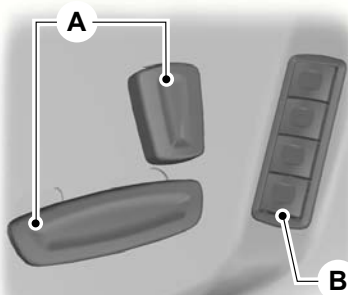
See **Autowipers** (page 46).

Memory function

WARNING



Do not use the memory store function when the vehicle is moving.



E86768

- A Seat adjustment controls
- B Memory pre-set buttons

1. Turn the ignition on.

2. Adjust the seat and exterior mirrors to the desired position.
3. Press and hold the desired pre-set button **B** until a single chime sounds to confirm.

See **Memory function** (page 131).

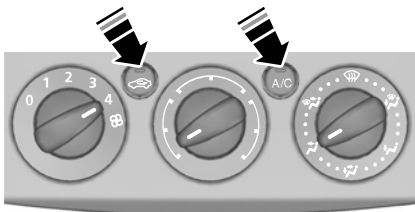
Manual climate control

Heating the interior quickly



E71377

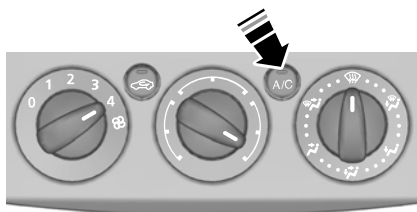
Cooling the interior quickly



E71381

Quick start

Defrosting and demisting the windscreen



E71382

See **Manual climate control** (page 103).

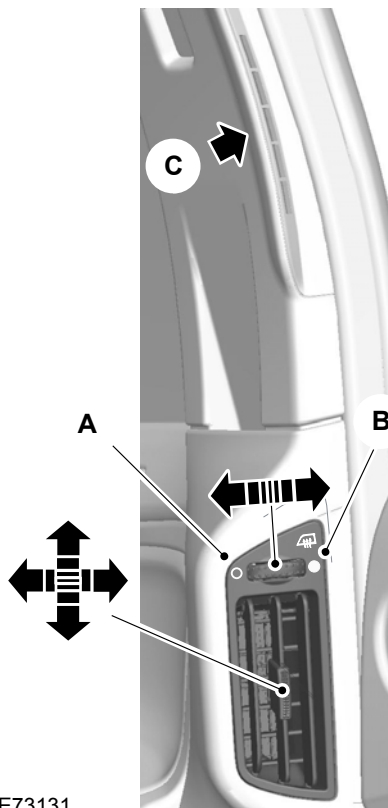
Automatic climate control



E70304

See **Automatic climate control** (page 106).

Rear seat air vents



E73131

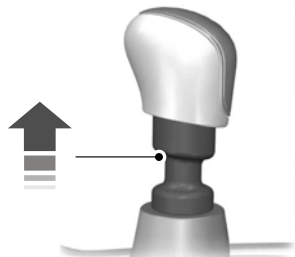
- A Air flow through lower air vent
- B Air flow through upper air vent
- C Upper air vent

Select position **B** to defrost or demist the rear side windows.

Quick start

Manual transmission

Selecting reverse gear



E99067

On some vehicles it is necessary to raise the collar whilst selecting reverse gear.

See **Manual transmission** (page 144).

Automatic transmission

Selector lever positions



E80836

- A Park
- B Reverse
- C Neutral

- D Drive
- S Manual shifting and sport mode

WARNING



Apply the brakes before moving the selector lever and keep them applied until you are ready to move off.

See **Automatic transmission** (page 144).

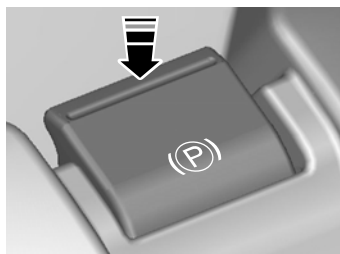
Electric parking brake (EPB)

Applying the EPB



E70528

Releasing the EPB manually



E70529

Hold the brake or clutch pedal depressed and press down the switch.

Quick start

Automatic release - Drive away release (DAR)

Engage first or reverse gear, move off as normal, the EPB will be released automatically.

See **Electric parking brake (EPB)** (page 148).


Child safety


CHILD SEATS




E68916


WARNINGS


 Secure children that are less than 150 centimetres tall or less than 12 years of age in a suitable, approved child restraint, in the rear seat.


 Original text according to ECE R94.01: Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an air bag in front of it!

 Read and follow the manufacturer's instructions when you are fitting a child restraint.

 Do not modify child restraints in any way.

 Do not hold a child on your lap when the vehicle is moving.

 Do not leave unattended children in your vehicle.

 If your vehicle has been involved in an accident, have the child restraints checked by properly trained technicians.

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

Child restraints for different mass groups

Use the correct child restraint as follows:

Baby safety seat



E68918

Secure children that weigh less than 13 kilograms in a rearward facing baby safety seat (Group 0+) in the rear seat.

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

Child safety

Child safety seat



E68920

Secure children that weigh between 13 and 18 kilograms in a child safety seat (Group 1) in the rear seat.

BOOSTER CUSHIONS

WARNINGS



Do not install a booster seat or a booster cushion with only the lap strap of the seat belt.



Do not install a booster seat or a booster cushion with a seat belt that is slack or twisted.



Do not put the seat belt under your child's arm or behind its back.



Do not use pillows, books or towels to boost your child's height.



Make sure that your children sit in an upright position.



Secure children that weigh more than 15 kilograms but are less than 150 centimetres tall in a booster seat or a booster cushion.

CAUTION



When using a child seat on a rear seat, make sure that the child seat rests tightly against the vehicle seat. It may be necessary to lift or remove the head restraint. See **Head restraints** (page 118).

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 seat belt over the centre of your child's shoulder and the lap strap tightly across its hips.

Child safety

Booster cushion (Group 3)



E68924

CHILD SEAT POSITIONING

WARNINGS



When you are using a child restraint with a support leg on a second row seat, make sure that you locate the support leg securely on the under floor storage compartment lid. Make sure that you install the foam spacer correctly inside the storage compartment and that you position the lid correctly.



When using a forward facing child seat on a second or third row seat, always remove the head restraint from that seat.



When fitting a child seat using the vehicle seat belts make sure the belts are not slack.

Note: When using a child seat on a second row seat, adjust the second row seat to the most practical position for the driver.

Child seat positions

Seating positions	Mass group categories				
	0	0+	I	II	III
	Up to 10 kg	Up to 13 kg	9 - 18 kg	15 - 25 kg	22 - 36 kg
	Baby safety seat		Child safety seat	Booster seat or cushion	
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
Second row seats	U	U	U	U	U
Third row Galaxy	U	U	U	U	U

Child safety

Seating positions	Mass group categories				
	O	O+	I	II	III
	Up to 10 kg	Up to 13 kg	9 - 18 kg	15 - 25 kg	22 - 36 kg
	Baby safety seat		Child safety seat	Booster seat or cushion	
Third row S-MAX	L, UF	L, UF	UF	UF	UF

X Not suitable for children in this mass group.

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

U' Suitable for universal category child restraints approved for use in this mass group. However, we recommend that you secure children in a government approved child restraint, in the rear seat.

L Suitable only for the following rearward facing child restraints: Roemer Baby-Safe (E1-04301146), Roemer Baby-Safe Plus (E1-04301146), Britax Cosy Tot (E1-04301146), Britax Cosy Tot Premium (E1-04301146), Maxi-Cosi Cabrio (E4-44R-043517).

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

UF' Suitable for universal category forward facing child restraints approved for use in this mass group. However, we recommend that you secure children in a government approved child restraint, in the rear seat.

ISOFIX child restraints

Seating positions	Mass group categories				
	O	O+	I	II	III
	Up to 10 kg	Up to 13 kg	9 - 18 kg	15 - 25 kg	22 - 36 kg
	Baby safety seat		Child safety seat	Booster seat or cushion	
Second row seat ISOFIX restraints	IU	IU	IU	X	X
Second row seat ISOFIX classes *	E	C, D, E	A, B, B1, C, D	X	X

X Not suitable for children in this mass group.

Child safety

IU Suitable for universal category ISOFIX child restraints approved for use in this mass group.


* As defined by ECE-R16.

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

Child safety

ISOFIX ANCHOR POINTS

WARNING

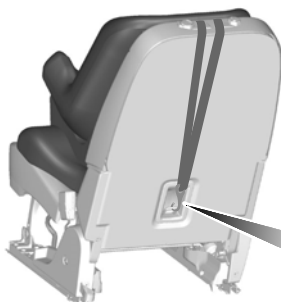
 Use an anti-rotation device when using the ISOFIX system. We recommend the use of a top tether or support leg.

Note: When you are purchasing an ISOFIX restraint, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations. See **Child seat positioning** (page 20).

Your vehicle is fitted with ISOFIX anchor points that accommodate universally approved ISOFIX child restraints.

The ISOFIX system comprises two rigid attachment arms on the child restraint that attach to anchor points on the outboard rear seats, where the cushion and backrest meet. Tether anchor points are fitted behind the outboard rear seats for child restraints with a top tether.

Top tether anchor points




E75532



Attaching a child seat with top tethers


WARNING

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

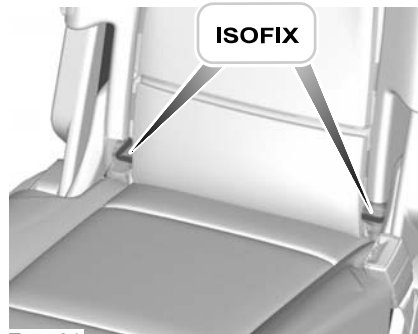
Note: Where applicable, remove the luggage cover to ease installation. See **Luggage covers** (page 174).

1. Remove the head restraint. See **Head restraints** (page 118).

WARNING

 Make sure that the top tether strap is not slack or twisted and is properly located on the anchor point.

2. Route the tether strap to the anchor point.



E75531

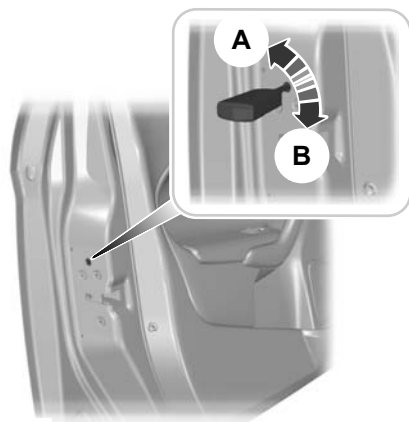
3. Push the child seat back firmly to engage the ISOFIX lower anchor points.
4. Tighten the tether strap in line with the child seat manufacturer's instructions.

CHILD SAFETY LOCKS

WARNING



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



E73697

- A Lock
- B Unlock

Occupant protection

PRINCIPLE OF OPERATION

Airbags

WARNINGS



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



Original text according to ECE R94.01: Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!



Wear a seat belt and keep sufficient distance between yourself and the steering wheel. Only when you use the seat belt properly, can it hold you in a position that allows the airbag to achieve its optimum effect. See **Sitting in the correct position** (page 115).



Have repairs to the steering wheel, steering column, seats, airbags and seat belts carried out by a properly trained technician.



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



Do not poke sharp objects into areas where airbags are fitted. This could damage and adversely affect deployment of the airbags.

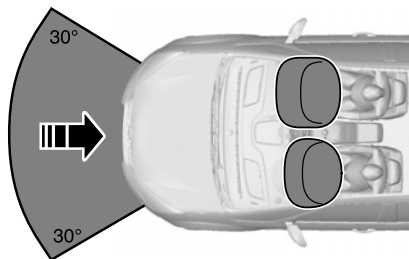


Use seat covers designed for seats with side airbags. Have these fitted by a properly trained technician.

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 and front passenger airbags



E74302

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

Driver knee airbag

CAUTION



Do not attempt to open the driver knee airbag cover.

The driver knee airbag will deploy during 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 occupants, thus providing a cushion between the driver's knees and the steering column. During overturns, rear collisions and side collisions, the knee airbag will not deploy.

Occupant protection

For item location: See **Quick start** (page 9).

Note: *The knee airbag has a lower deployment threshold than the front airbags. During a minor collision, it is possible that only the knee airbag deploys.*

Side airbags

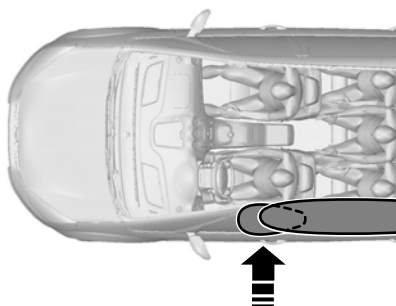


E72658

Side airbags are fitted inside the seatback of the front seats. A label indicates that side airbags are fitted to your vehicle.

The side airbags will deploy during significant lateral collisions. The airbags will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing protection for the chest and shoulder areas. During minor lateral collisions, overturns, front collisions and rear collisions, the side airbags will not deploy.

Curtain airbags



E75004

Curtain airbags are fitted inside the trim panels over the front and rear side windows. Moulded badges in the B-pillar trim panels indicate that curtain airbags are fitted to your vehicle.

The curtain airbags will deploy during significant lateral collisions. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing protection for the head. During minor lateral collisions, front collisions, rear collisions, or overturns the curtain airbags will not deploy.

Seat belts

WARNINGS



Wear a seat belt and keep sufficient distance between yourself and the steering wheel. Only when you use the seat belt properly, can it hold you in a position to achieve its optimum effect. See **Sitting in the correct position** (page 115).






Never use a seat belt for more than one person.



Use the correct buckle for each seat belt.

Occupant protection


WARNINGS

-  Do not use a seat belt that is slack or twisted.
-  Do not wear thick clothing. The seat belt must fit tightly around your body to achieve its optimum effect.
-  Position the shoulder strap of the seat belt over the centre of your shoulder and position the lap strap tightly across your hips.

The driver and front passenger seat belt retractors are fitted with a seat belt pretensioner. Seat belt pretensioners have a lower deployment threshold than the airbags. During minor collisions, it is possible that only the seat belt pretensioners will deploy.

FASTENING THE SEAT BELTS

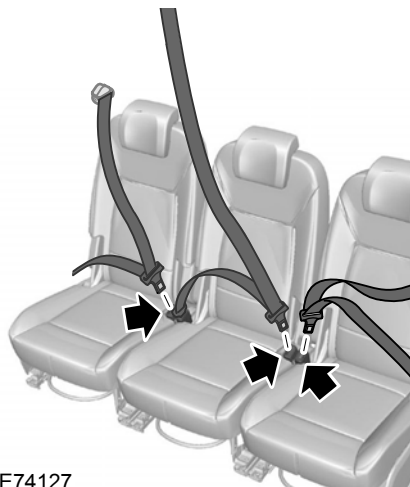
WARNING

-  Insert the tongue into the buckle until you hear a distinct click. You have not fastened the seat belt properly if you do not hear a click.

Note: The seat belt tongues are designed so that you can only insert them into the correct buckle.



E74124



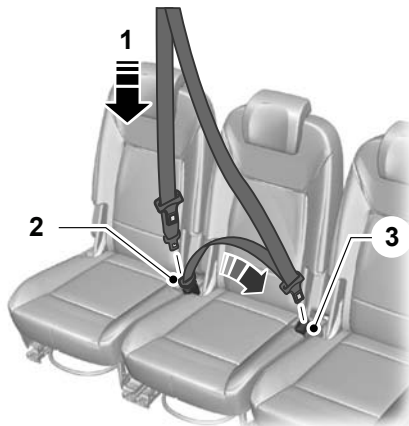
E74127

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

Press the red button on the buckle to release the belt. Let it retract completely and smoothly.

Occupant protection

Second row centre seat belt



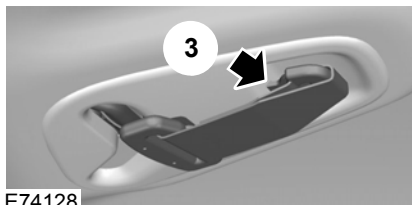
E74125

The retractor for the rear centre seat belt is located in the roof.

To fasten the seat belt:

1. Pull the belt out steadily. It may lock if you pull it sharply or if the vehicle is on a slope.
2. Insert the smaller tongue into the black buckle to the right of the centre seat (1).
3. Pull the larger tongue across the lap and insert it into the buckle to the left of the centre seat (2).
4. Press the red button on the left buckle to release the belt. Let it retract.

Note: If in constant use, you can leave the belt buckled in the black buckle. When it is not in use, or when you fold or move the rear seats, you should release the belt from the black buckle.



E74128

1. Press the button on the side of the black buckle to release the belt. Let it retract completely and smoothly to the retractor in the roof.
2. Insert the larger tongue into the pocket near the end of the seat belt.
3. Fold the smaller tongue back and insert it into the retaining slot (3).

SEAT BELT HEIGHT ADJUSTMENT



E73135

To raise the height, grasp the D-ring and move the pivot up.

To lower the height, grasp the D-ring, hold the locking button on the height adjuster pressed and move the pivot down.

Note: Lifting the slider slightly while pressing the locking button makes it easier to release the locking mechanism.

Occupant protection

SEAT BELT REMINDER

WARNING



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

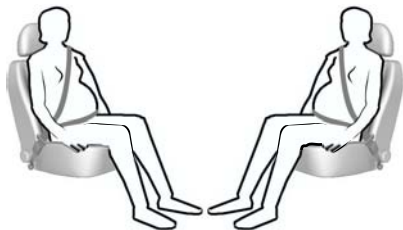


The seat belt reminder warning lamp illuminates and an audible warning will sound if you or your front seat passenger have not fastened your seat belts and the vehicle exceeds 10 km/h (6 mph). It will also illuminate if your seat belts are unfastened when the vehicle is moving. The audible warning will go off after five minutes but the seat belt reminder warning lamp will remain on until you fasten your seat belts.

Deactivating the seat belt reminder

See your dealer.

USING SEAT BELTS DURING PREGNANCY



E68587

WARNING



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

Position the lap strap comfortably across your hips and low beneath your pregnant abdomen. Position the shoulder strap between your breasts, above and to the side of your pregnant abdomen.

DISABLING THE PASSENGER AIRBAG

WARNING



Make sure that the passenger airbag is disabled when using a rearward facing child restraint on the front passenger seat.



E71313

Occupant protection

Fitting the passenger airbag deactivation switch

WARNING

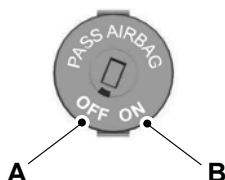


If you need to fit a child restraint on a seat protected by an operational airbag in front of it, have a passenger airbag deactivation switch fitted. Ask your dealer for further information.

Note: The key switch is located in the glove compartment with an airbag deactivation lamp in the instrument panel.

If the airbag warning lamp illuminates or flashes when you are driving, this indicates a malfunction. See **Warning lamps and indicators** (page 78). Remove the child restraint and have the system checked immediately.

Disabling the passenger airbag



E71312

- A Disabled
- B Enabled

Turn the switch to position **A**.

When you switch the ignition on, check that the passenger airbag deactivation warning lamp illuminates.

Enabling the passenger airbag

WARNING



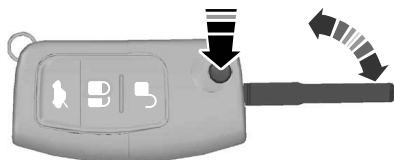
Make sure that the passenger airbag is enabled when you are **not** using a child restraint on the front passenger seat.

Turn the switch to position **B**.

Keys and remote controls

USING THE KEY

Remote control with flip key blade



E74382

GENERAL INFORMATION ON RADIO FREQUENCIES

CAUTION



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: You could unlock the doors if you press the buttons on the remote control unintentionally.

The operating range between your remote control and your vehicle varies depending on the environment.

PROGRAMMING THE REMOTE CONTROL

You can programme a maximum of eight remote controls to use with your vehicle (including any supplied with your vehicle).

Programming a new remote control

1. Insert the key in the ignition.
2. Cycle the key from position **0** to **II** and then back to **0** four times in quick succession (about once a second).
3. Remove the key from the ignition and press any button on the remote control.
4. Reinsert the key and turn to position **II** then **0**. Remove the key and test the remote control to confirm programming has been successful.

Reprogramming the unlocking function

Note: When you press the unlock button either all the doors are unlocked or only the driver's door is unlocked. Pressing the unlock button again unlocks all the doors.

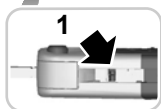
Press and hold the unlock and lock buttons on the remote key simultaneously for at least four seconds with the ignition off. The direction indicators will flash twice to confirm the change.

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

Keys and remote controls

CHANGING THE REMOTE CONTROL BATTERY

Remote control with a folding key blade



E74383

1. Insert a screwdriver as far as possible into the slot on the side of the remote control, push it towards the key blade and remove the key blade.



E74384

2. Twist the screwdriver in the position shown to start separating the two halves of the remote control.



E74385

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

CAUTION



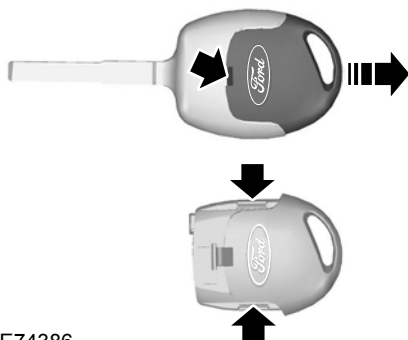
Do not touch the battery contacts or the printed circuit board with the screwdriver.

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

Keys and remote controls

Remote control without a folding key blade

Type 1



E74386

1. Insert a screwdriver into the recess on the back of the key and remove the key blade.
2. Release the retaining clips with the screwdriver and separate the two halves of the remote control.

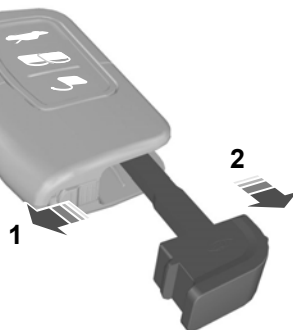
CAUTION



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

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

Type 2



E78284

1. Slide the release slider in the direction of the arrow.
2. Remove the key blade.



E105064

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

CAUTION



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

Keys and remote controls

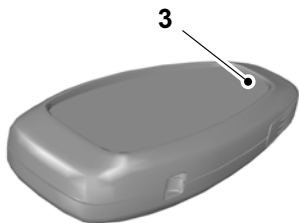
4. Carefully prise out the battery with the screwdriver.
5. Install a new battery (3V CR 2032) with the + facing downwards.
6. Assemble the two halves of the remote control.
7. Install the key blade.

Type 3



E87964

1. Carefully remove the cover.
2. Remove the key blade.



E105362

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

CAUTION

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

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

Locks

LOCKING AND UNLOCKING

Central locking

You can only centrally lock the doors if they are all closed.

Note: The driver's door can be unlocked with the key. This needs to be used if the remote control is not functioning.

Note: Central locking also locks and unlocks the fuel filler flap.

Double locking

WARNING



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



E71961

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.

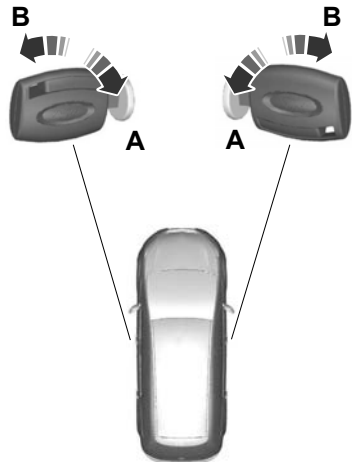
Locking and unlocking confirmation

When you unlock the doors, the direction indicators will flash once.

When you lock the doors, the direction indicators will flash twice.

Note: The direction indicators will flash twice as soon as you activate central locking. They will not flash again when you press the lock button on the remote control or turn the key for the second time, i.e. when you activate double locking.

Locking and unlocking the doors with the key



E71962

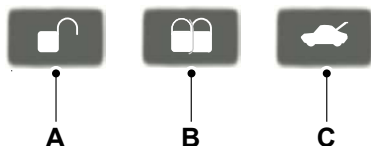
- A Unlock
- B Lock

Double locking the doors with the key

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

Locks

Locking and unlocking the doors and the luggage compartment lid with the remote control



E87379

- A Unlock
- B Lock
- C Luggage compartment lid unlock

Locking the doors and the luggage compartment lid with the remote control

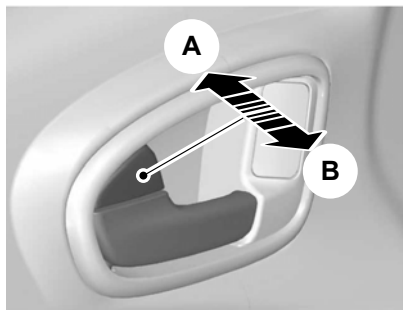
Press button **B** once.

Double locking the doors and the luggage compartment lid with the remote control

Press button **B** twice within three seconds.

Locking and unlocking the doors from inside

Driver's door



E71958

- A Lock all doors
- B Unlock all doors

Front and rear passenger doors



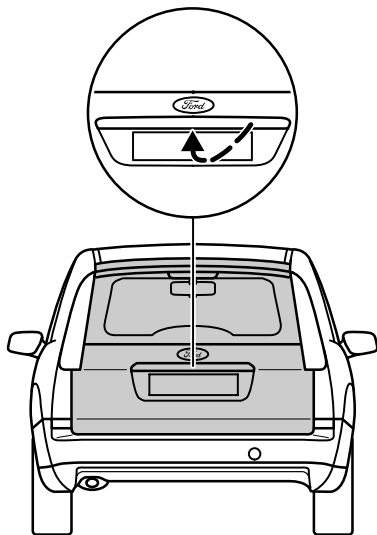
E98653

To lock the front and rear passenger doors individually, press the button and close the door when leaving the vehicle.

Locks

Luggage compartment lid

Opening the luggage compartment lid

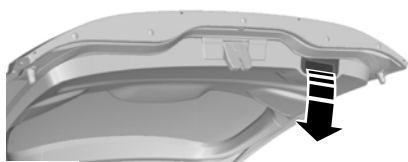


E78262

Opening the luggage compartment lid with the remote control

Press button **C** on the remote control twice within three seconds.

Closing the luggage compartment lid



E71960

A recessed grip is incorporated inside the luggage compartment lid to facilitate closing.

Automatic relocking

The doors will relock automatically 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.

Reprogramming the unlocking function

The unlocking function may be reprogrammed so that only the driver's door is unlocked. See **Programming the remote control** (page 31).

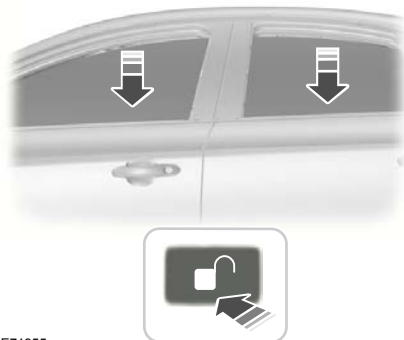
GLOBAL OPENING AND CLOSING

You can also operate the electric windows with the ignition off via the global opening and global closing function.

Note: *Global closing will only operate if you have set the memory correctly for each window. See **Electric windows** (page 70).*

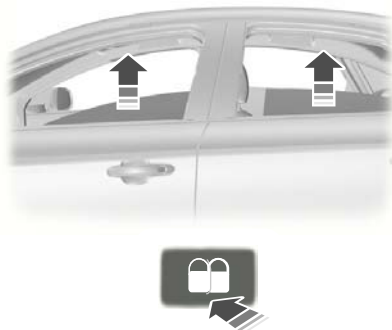
Locks

Global opening



E71955

To open all the windows, press and hold the **unlock** button for at least three seconds. Press either the **lock** or the **unlock** button again to stop the opening function.



E71956

To close all the windows, press and hold the **lock** button for at least three seconds. Press any button again to stop the closing function. The anti-trap function is also active during global closing.

Vehicles with the key free system

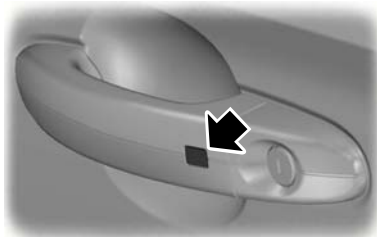
Global closing

Vehicles without the key free system

WARNING



Take care when using global closing. In an emergency, press a button immediately to stop.



E87384

WARNING



Take care when using global closing. In an emergency, press the button on the driver's door handle to stop.

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

Locks

To close all the windows, press and hold the button on the driver's door handle for at least two seconds. The anti-trap function is also active during global closing.

Engine immobiliser

PRINCIPLE OF OPERATION

The engine immobiliser is a theft protection system that prevents someone from starting the engine with an incorrectly coded key.

If you are unable to start the engine with a correctly coded key, this indicates a malfunction. The message **Immobiliser active** will appear in the information display when you switch on the ignition. Have the immobiliser checked immediately.

CODED KEYS

Note: *Do not shield your keys with metal objects. This may prevent the receiver from recognising your key as a valid one.*

Note: *Have all of your remaining keys erased and recoded if you lose a key. Ask your dealer for further information. Have replacement keys recoded together with your existing keys.*

If you lose a key, you can obtain a replacement from your Ford Dealer. If possible, provide them with the key number from the tag provided with the original keys. You can also obtain additional keys from your Ford Dealer.

ARMING THE ENGINE IMMOBILISER

The engine immobiliser is armed automatically a short time after you have switched the ignition off.

DISARMING THE ENGINE IMMOBILISER

The engine immobiliser is disarmed automatically when you switch the ignition on with a correctly coded key.

If the message **Immobiliser active** appears in the information display, your key has not been recognised. Remove the key and try again.

Alarm

PRINCIPLE OF OPERATION

Alarm system

Your vehicle may be equipped with one of the following alarm systems:

- Perimeter alarm.
- Perimeter alarm with interior sensors.
- Category one alarm with interior sensors and battery back-up sounder.
- Category one alarm with interior sensors, battery back-up sounder and tilt sensors.

Perimeter alarm

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

Interior sensors



E71401

WARNING



The sensors in the interior lamp unit must not be covered up. Do not activate the alarm with full guard if any persons, animals or other moving objects are inside the vehicle.

The sensors act as a deterrent against unauthorised intrusion by sensing any movement within the vehicle.

Battery back-up sounder

The battery back-up sounder is an extra alarm system which will sound a siren when the alarm is triggered. It is armed directly when you lock the vehicle. The sounder has its own battery and will sound an alarm siren even if someone disconnects the vehicle battery or the battery back-up sounder itself.

Tilt sensors

The tilt sensors detect if someone attempts to steal a wheel or tow the vehicle away by sensing changes in the inclination of the vehicle.

Note: When travelling on a ferry with the alarm armed, deactivate the tilt sensors by selecting reduced guard. This will prevent the alarm from being triggered by the movement.

Triggering the alarm

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

- If someone opens a door, the tailgate or the bonnet without a valid key or remote control.
- If someone removes the audio or navigation system.
- If the ignition is turned to position I, II or III without a valid key.
- If the interior sensors detect movement within the vehicle.
- On vehicles with a battery back-up sounder, if someone disconnects the vehicle battery or the battery back-up sounder itself.
- If the tilt sensors detect a change in the inclination of the vehicle.

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

Alarm

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 and tilt sensors are activated when you arm the alarm.

Note: This may result in false alarms if animals or moving objects are inside the vehicle or, on vehicles with tilt sensors, when travelling on a ferry.

Reduced guard

In reduced guard, the interior and tilt sensors are deactivated when you arm the alarm.

Note: You can set the alarm to reduced guard for the current ignition cycle only. The next time you switch on the ignition, the alarm will be reset to full guard.

Ask on Exit

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

If you select **Ask on Exit**, the message **Reduced guard?** appears in the instrument cluster display each time you switch the ignition off.

If you wish to arm the alarm with reduced guard, press the **OK** button when this message appears.

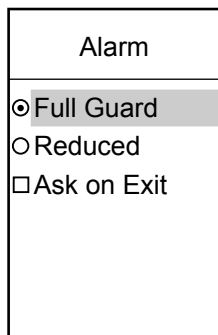
If you wish to arm the alarm with full guard, leave the vehicle without pressing the **OK** button.

Selecting full or reduced guard

Note: Selecting **Reduced** does not set the alarm permanently to reduced guard. It sets it to reduced guard only for the current ignition cycle. If you regularly set the alarm to reduced guard, select **Ask on Exit**.



E70499



E74509

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Alarm** and press the right arrow button.

Alarm

4. Highlight **Reduced** or **Full guard**. If you prefer to be asked each time you switch off the ignition, select **Ask on Exit**.
5. Press the **OK** button to confirm the selection.
6. Press the left arrow button to exit the menu. To return to the trip computer display directly, hold the left arrow button pressed.

Information messages

See **Information messages** (page 94).

ARMING THE ALARM

All vehicles

To arm the alarm, lock the vehicle with the key or remote control.

DISARMING THE ALARM

Perimeter alarm

Disarm and silence the alarm by unlocking the doors with the key, switching the ignition on with a correctly coded key or unlocking the doors with the remote control. See **Locking and unlocking** (page 35).

Category one alarm

Disarm and silence the alarm by unlocking the doors with the key in the driver's door and switching the ignition on with a correctly coded key within 12 seconds or unlocking the doors with the remote control. See **Locking and unlocking** (page 35).

Steering wheel

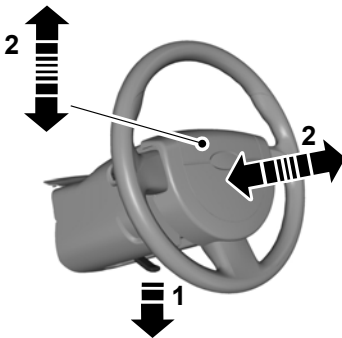
ADJUSTING THE STEERING WHEEL

WARNING



Never adjust the steering wheel when the vehicle is moving.

Note: Make sure that you are sitting in the correct position. See **Sitting in the correct position** (page 115).



E95178



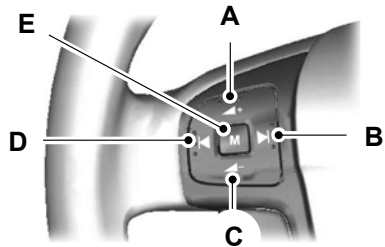
E95179

WARNING



Make sure that you fully engage the locking lever when returning it to its original position.

AUDIO CONTROL



E72288

- A Volume up
- B Seek up
- C Volume down
- D Seek down
- E Mode

Mode

Press and **hold** the mode button to select the audio source.

Press the mode button to:

- tune the radio to the next preset station
- play the next CD
- play the other side of a cassette tape
- accept an incoming telephone call.
- end a telephone call.

Steering wheel

Seek

Press a seek button to:

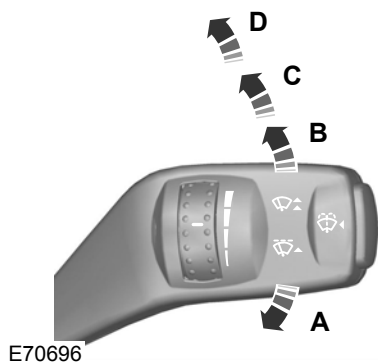
- tune the radio to the next station up or down the frequency band
- play the next or the previous CD track
- fast forward or rewind the cassette tape.

Press and **hold** a seek button to:

- tune the radio up or down the frequency band
- seek through a CD track.

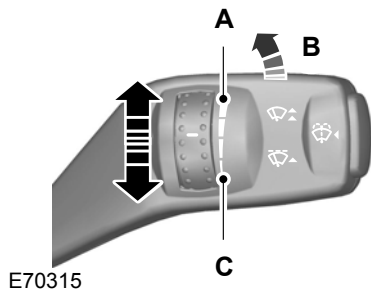
Wipers and washers

WINDSCREEN WIPERS



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

Intermittent wipe

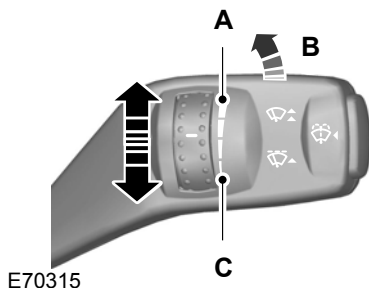


- A Short wipe interval
- B Intermittent wipe
- C Long wipe interval

AUTOWIPERS

CAUTIONS

- ! Do not switch autowipers on in dry weather conditions. The rain sensor is very sensitive and the wipers may operate if dirt, mist or flies hit the windscreen.
- ! Replace the wiper blades as soon as they begin to leave bands of water and smears. If you do not replace them, the rain sensor will continue to detect water on the windscreen and the wipers will operate, even though the majority of the windscreen is dry.
- ! Fully defrost the windscreen in icy conditions before you switch autowipers on.
- ! Switch autowipers off before you enter a car wash.



- A High sensitivity
- B On
- C Low sensitivity

Wipers and washers

If you switch autowipers on, the wipers will not cycle until water is detected on the windscreen. The rain sensor will then continuously measure the amount of water on the windscreen and adjust the speed of the wipers automatically.

Adjust the sensitivity of the rain sensor using the rotary control. With low sensitivity, the wipers will operate when the sensor detects a lot of water on the windscreen. With high sensitivity, the wipers will operate if the sensor detects a small amount of water on the windscreen.

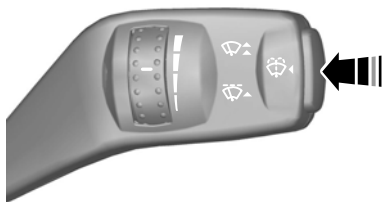
WINDSCREEN WASHERS

WARNING



Do not operate the windscreen washers for more than 10 seconds or when the reservoir is empty.

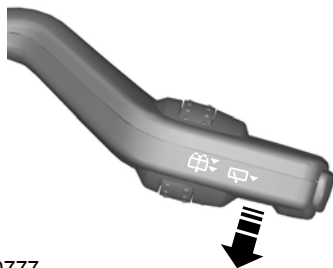
Note: The washer jets are heated when the ignition is on.



E70776

REAR WINDOW WIPER AND WASHERS

Intermittent wipe



E70777

Reverse gear wipe

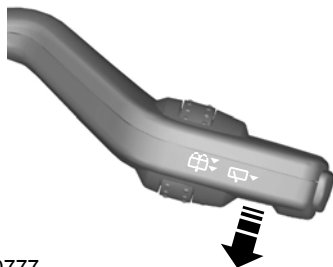
The rear window wiper will operate automatically when you select reverse gear if the wiper lever is in position **B**, **C** or **D**.

Washer

WARNING



Do not operate the rear window washer for more than 10 seconds or when the reservoir is empty.



E70777

Pull the lever fully towards the steering wheel and hold it to operate the washer.

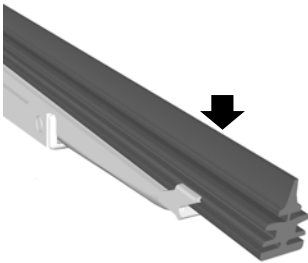
Wipers and washers

HEADLAMP WASHERS

The headlamp washers will operate with the windscreen washers when the headlamps are on.

Note: To stop the washer fluid reservoir emptying quickly, the headlamp washers will not operate every time that you use the windscreen washers.

CHECKING THE WIPER BLADES



E66644

Run the tip of your fingers over the edge of the blade to check for roughness.

Clean the wiper blade lips with water applied with a soft sponge.

CHANGING THE WIPER BLADES

Windscreen wiper blades

CAUTIONS



Set the windscreen wipers in the service position to change the wiper blades.

CAUTIONS



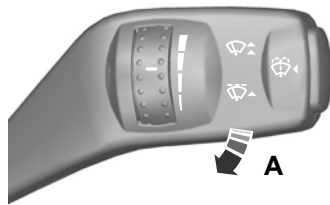
You can use the service position in winter to provide easier access to the wiper blades for freeing them from snow and ice. The windscreen wipers will return to their normal position as soon as you switch on the ignition so make sure that you fully defrost the windscreen before you switch on the ignition.

Note: The windscreen wiper blades are different lengths. See **Technical specifications** (page 50). If you install wiper blades of the wrong length, the rain sensor may not work correctly.

Set the windscreen wipers in the service position.



E75184

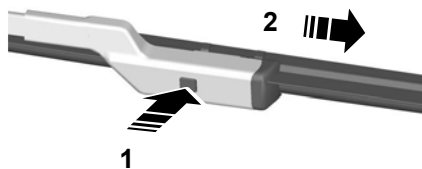


E75188

Switch off the ignition and move the wiper lever to position **A** within three seconds. Release the lever when the windscreen wipers have moved to the service position.

Wipers and washers

Lift the wiper arms.

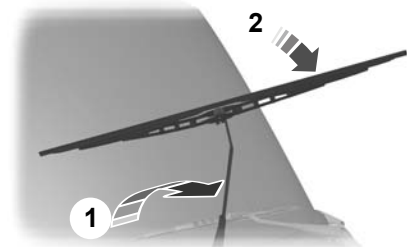


E72899

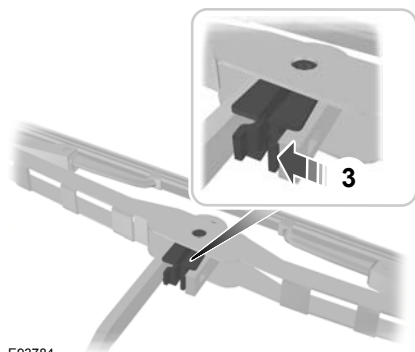
Install in the reverse order.

Note: Make sure that the wiper blade locks into place.

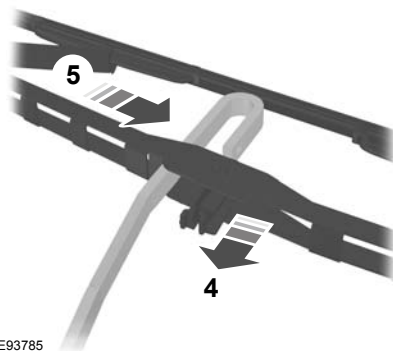
Rear window wiper blades



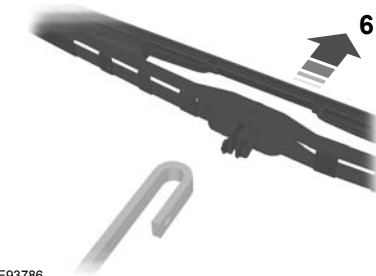
E93783



E93784



E93785



E93786

Install in the reverse order.

Wipers and washers

TECHNICAL SPECIFICATIONS

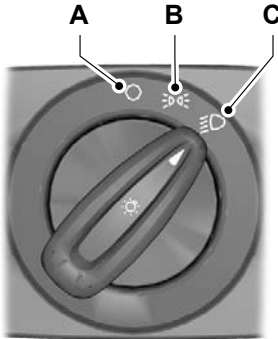
Windscreen wiper blade lengths

Item	Dimension in mm (inches)	
	Left-hand	Right-hand
Vehicles with autowipers	750 (29.5)	700 (27.6)
Vehicles without autowipers	750 (29.5)	650 (25.6)

Lighting

LIGHTING CONTROL

Lighting control positions



E70718

- A Off
- B Side and tail lamps
- C Headlamps

Parking lamps

CAUTION



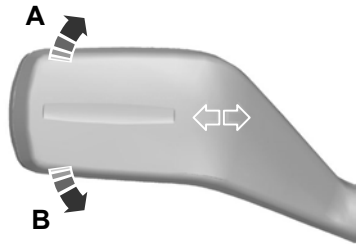
Prolonged use of the parking lamps will discharge the battery.

Switch off the ignition.

Both sides

Set the lighting control to position **B**.

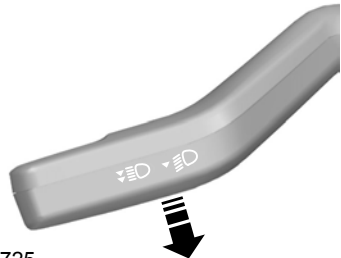
One side



E75505

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

Main and dipped beam



E70725

Pull the lever fully towards the steering wheel to switch between main and dipped beam.

Headlamp flasher

Pull the lever slightly towards the steering wheel.

Lighting

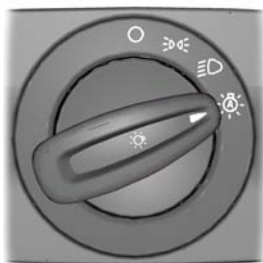
Home safe lighting

Switch the ignition off and pull the direction indicator lever towards the steering wheel to switch the headlamps on. You will hear a short tone. The headlamps will go off automatically after three minutes with any door open, or 30 seconds after the last door has been closed.

With all doors closed, but within the 30 second delay, opening any door will result in the three minute timer starting again.

The home safe lights can be cancelled by either pulling the direction indicator lever towards the steering wheel again or by turning the ignition switch on.

AUTOLAMPS

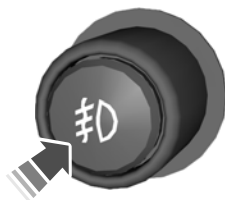


E70719

Note: If you have switched autolamps on, you can only switch the main beam on when autolamps has switched the headlamps on.

The headlamps will come on and go off automatically depending on the ambient light.

FRONT FOG LAMPS



E70721

WARNING



Only use the front fog lamps when visibility is considerably restricted by fog, snow or rain.

REAR FOG LAMPS



E70720

WARNINGS



Only use the rear fog lamps when visibility is restricted to less than 50 metres.



Do not use the rear fog lamps when it is raining or snowing and visibility is more than 50 metres.

HEADLAMP LEVELLING

Note: Vehicles with Xenon headlamps are equipped with automatic headlamp levelling.

Lighting



A Raised headlamp beams

B Lowered headlamp beams

You can adjust the level of the headlamp beams according to the vehicle load.

E70722

Recommended headlamp levelling switch positions

Load			Load in luggage compartment	Switch position
Front seats	Second row seats	Third row seats		
1-2	-	-	-	0
1-2	-	2	-	0 (0.5) ²
1-2	3	-	-	1 (0.5) ²
1-2	3	-	Max ¹	3 (0.5) ²
1	-	-	Max ¹	4 (1.5) ²

¹ See **Vehicle identification plate** (page 236).

² Vehicles with active suspension.

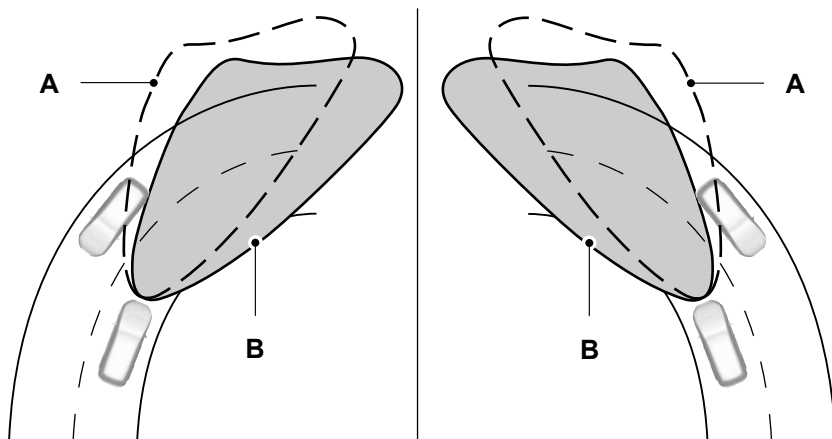
HAZARD WARNING FLASHERS



For item location: See **Quick start** (page 9).

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.

ADAPTIVE FRONT LIGHTING SYSTEM (AFS)



E72897

- A without AFS
- B with AFS

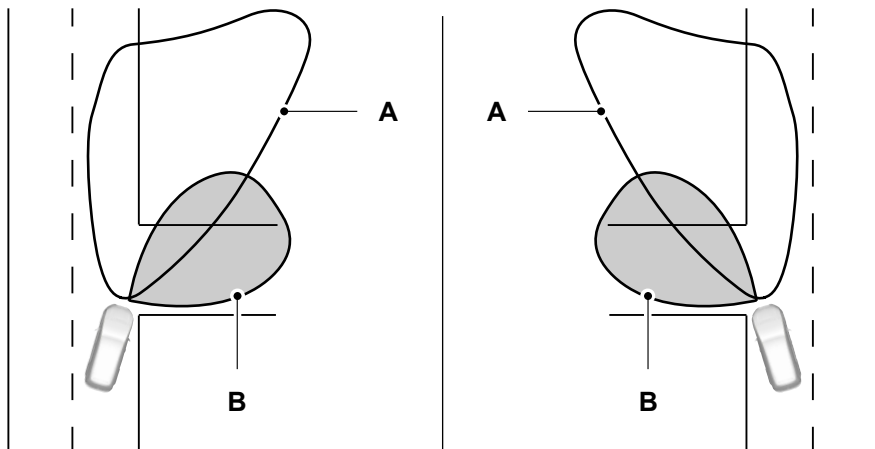
The AFS adjusts the headlamp dipped beam depending on vehicle direction and speed. It improves visibility when you are driving at night and helps to reduce headlamp glare for oncoming drivers.

The system will not operate when the vehicle is stationary, when you have switched on the daytime running lamps or when you have selected reverse gear.

Lighting

A message will appear in the information display if the system malfunctions. See **Information messages** (page 94). The headlamps will move to a fixed central or dipped position. Have the system checked as soon as possible.

Cornering lamps



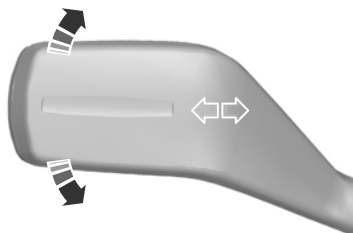
E72898

- A Headlamp beam
- B Cornering lamp beam

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

Lighting

DIRECTION INDICATORS

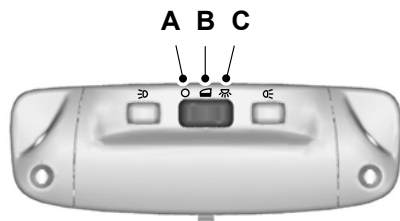


E70727

Note: Tap the lever up or down to make the direction indicators flash only three times.

INTERIOR LAMPS

Courtesy lamp



E71945

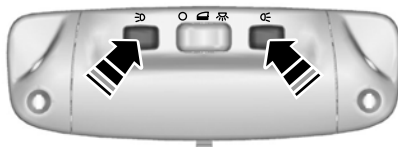
- A Off
- B Door contact
- C On

If you set the switch to position **B**, the courtesy lamp will come on when you unlock or open a door or the luggage compartment lid. If you leave a door open with the ignition switch off, the courtesy lamp will go off automatically after some time to prevent the vehicle battery from discharging. To switch it back on, switch on the ignition for a short time.

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

If you set the switch to position **C** with the ignition switch off, the courtesy lamp will come on. It will go off automatically after a short time to prevent the vehicle battery from discharging. To switch it back on, switch on the ignition for a short time.

Reading lamps

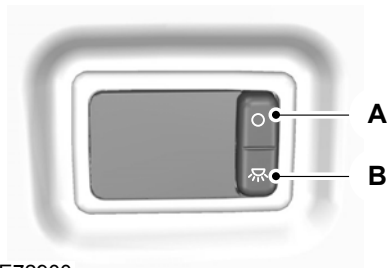


E71946

If you switch off the ignition, the reading lamps will go off automatically after some time to prevent the vehicle battery from discharging. To switch them back on, switch on the ignition for a short time.

Lighting

Vanity mirror lamps



E72900

A Off

B On

If you switch off the ignition, the vanity mirror lamps will go off automatically after a short time to prevent the vehicle battery from discharging. To switch them back on, switch on the ignition for a short time.

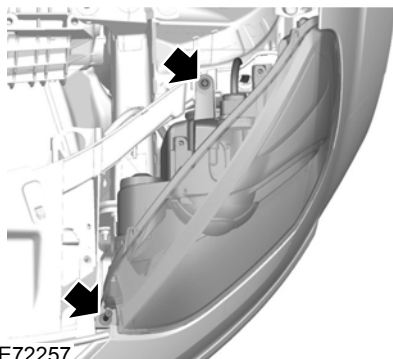
REMOVING A HEADLAMP

WARNING



Have Xenon bulbs changed by a properly trained technician. There is a risk of electric shock.

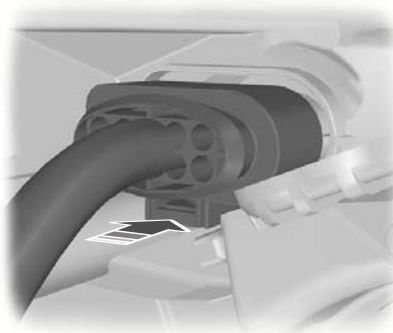
1. Open the bonnet. See **Opening and closing the bonnet** (page 204).



E72257

Note: When you remove the headlamp, make sure that the front screw remains in the headlamp moulding.

2. Remove the screws.



E88875

3. Disconnect the electrical connector.
4. Pull the headlamp as far as possible towards the centre of the vehicle and disengage it from the lower fixing point.
5. Lift the outer side of the headlamp and remove it.

Note: When fitting the headlamp, make sure that you reconnect the electrical connector properly.

Lighting

Note: When fitting the headlamp, make sure that you fully engage the headlamp in the lower fixing point.

Note: When fitting the headlamp, make sure that the front screw is located in the headlamp moulding before you install it.

Note: When fitting the headlamp, tighten the front screw first and then the rear screw.

CHANGING A BULB

WARNINGS



Switch the lights and the ignition off.



Let the bulb cool down before removing it.



Have Xenon bulbs changed by a properly trained technician. There is a risk of electric shock.

CAUTIONS



Do not touch the glass of the bulb.

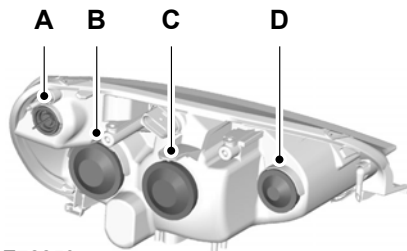


Only fit bulbs of the correct specification. See **Bulb specification chart** (page 68).

Note: The following instructions describe how to remove the bulbs. Fit replacements in the reverse order unless otherwise stated.

Headlamp

Note: Remove the covers to gain access to the bulbs.

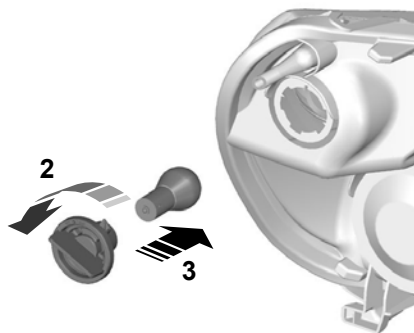


E72258

- A Direction indicator
- B Headlamp main beam
- C Headlamp dipped beam
- D Cornering lamp

Direction indicator

1. Remove the headlamp. See **Removing a headlamp** (page 57).



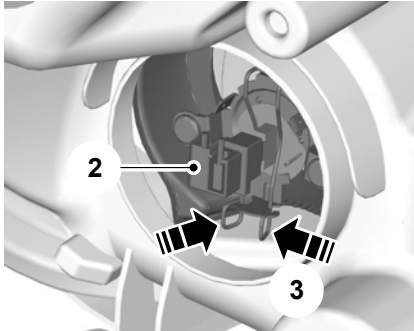
E72259

2. Turn the bulb holder anti-clockwise and remove it.
3. Gently press the bulb into the bulb holder, turn it anti-clockwise and remove it.

Lighting

Headlamp main beam

1. Remove the headlamp. See **Removing a headlamp** (page 57).

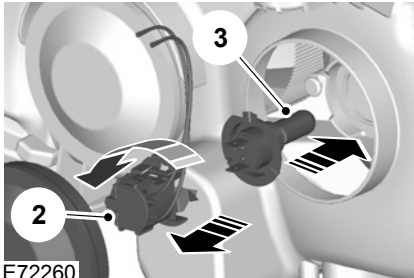


E72261

2. Disconnect the electrical connector.
3. Release the clip and remove the bulb.

Headlamp dipped beam

1. Remove the headlamp. See **Removing a headlamp** (page 57).

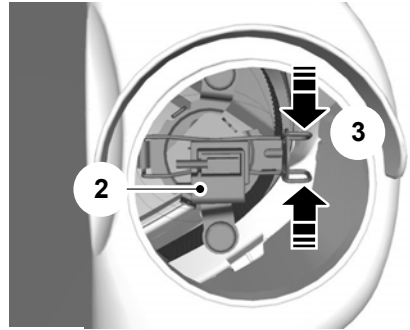


E72260

2. Turn the bulb holder anti-clockwise and remove it.
3. Remove the bulb.

Cornering lamp

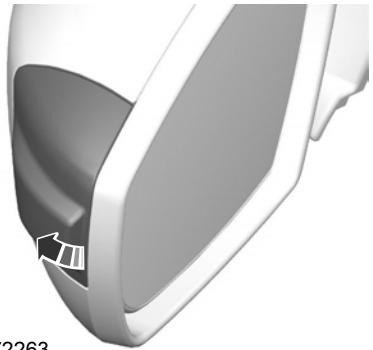
1. Remove the headlamp. See **Removing a headlamp** (page 57).



E72262

2. Disconnect the electrical connector.
3. Release the clip and remove the bulb.

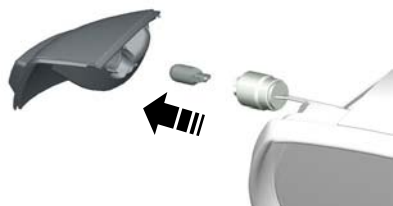
Side repeater



E72263

1. Carefully remove the side repeater.

Lighting



E72291

2. Remove the bulb holder.
3. Remove the bulb.

Approach lamp

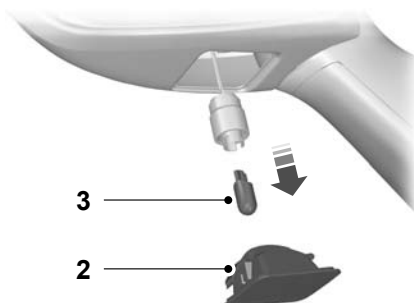
Note: Position the mirror glass as far inwards as possible.



1

E72264

1. Insert a screwdriver into the gap between the mirror housing and the mirror glass and release the metal retaining clip.



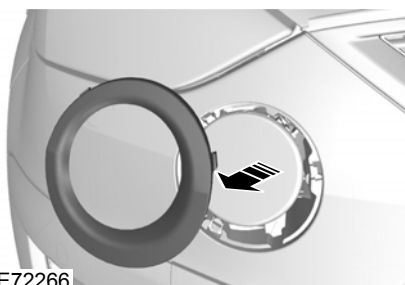
3

2

E72265

2. Remove the lamp.
3. Remove the bulb.

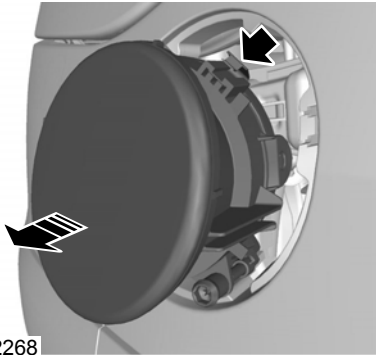
Front fog lamp and side lamp (S-MAX)



E72266

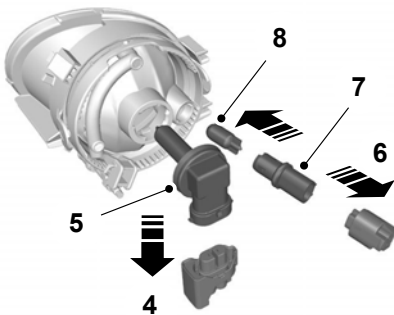
1. Remove the trim.

Lighting



E72268

2. Release the clip at the top edge of the lamp using a screwdriver.
3. Remove the lamp.



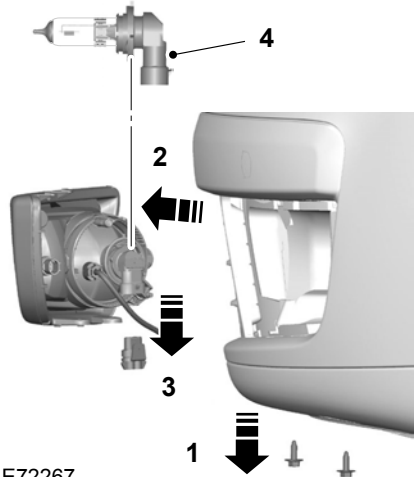
E74542

4. Disconnect the electrical connector.

Note: You cannot separate the fog lamp bulb from the bulb holder.

5. Turn the fog lamp bulb holder anti-clockwise and remove it.
6. Disconnect the electrical connector.
7. Turn the side lamp bulb holder anti-clockwise and remove it.
8. Remove the side lamp bulb.

Front fog lamp and side lamp (Galaxy)

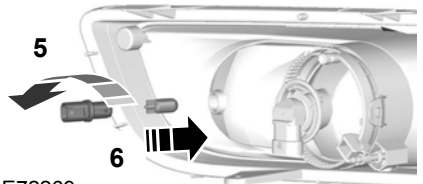


E72267

1. Remove the screws.
2. Remove the lamp.
3. Disconnect the fog lamp electrical connector.

Note: You cannot separate the fog lamp bulb from the bulb holder.

4. Turn the fog lamp bulb holder anti-clockwise and remove it.



E72269

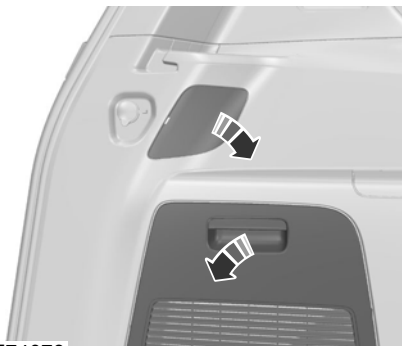
5. Turn the side lamp bulb holder anti-clockwise and remove it.

Lighting

6. Remove the side lamp bulb.

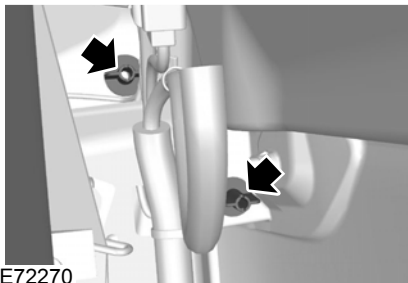
Rear lamp (S-MAX)

Direction indicator and brake and tail lamp



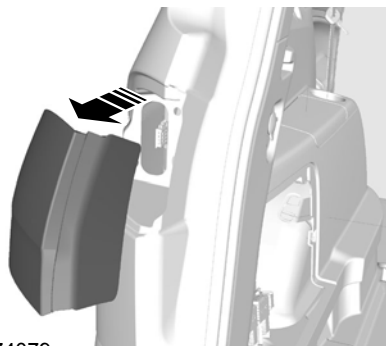
E74078

1. Remove the trim panels.



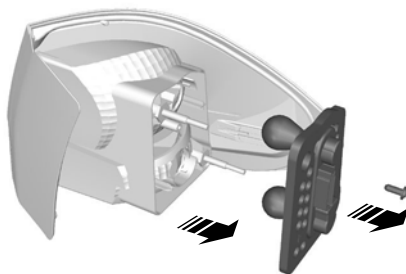
E72270

2. Remove the wing nuts.



E74079

3. Remove the lamp.
4. Disconnect the electrical connector.

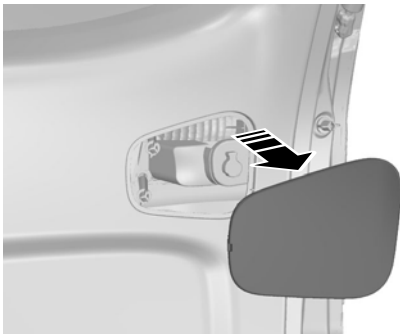


E74080

5. Remove the screw.
6. Remove the bulb holder.
7. Gently press the bulb into the bulb holder, turn it anti-clockwise and remove it.

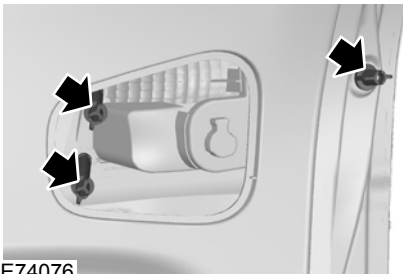
Lighting

Reversing lamp, fog lamp and tail lamp



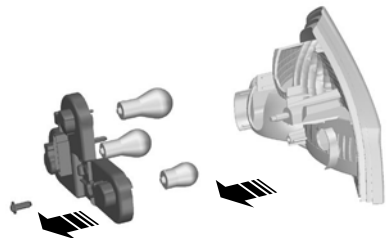
E72271

1. Remove the trim panel.



E74076

2. Remove the wing nuts.
3. Remove the lamp.
4. Disconnect the electrical connector.

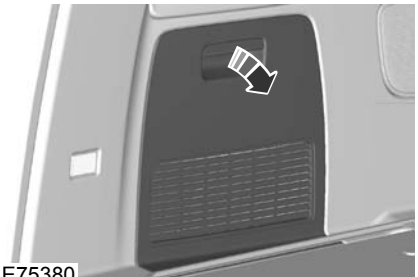


E74077

5. Remove the screw.
6. Remove the bulb holder.
7. Gently press the bulb into the bulb holder, turn it anti-clockwise and remove it.

Rear lamp (Galaxy)

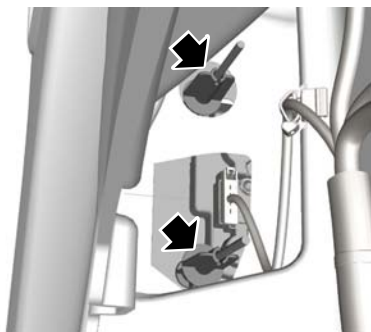
Direction indicator, brake lamp and tail lamp



E75380

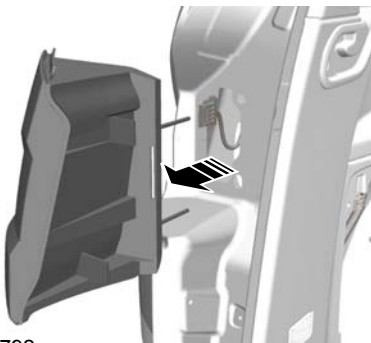
1. Remove the trim panel.

Lighting



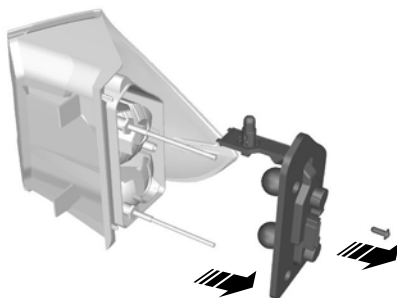
E72791

2. Remove the wing nuts.



E72792

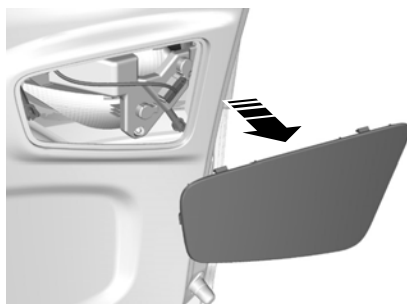
3. Remove the lamp.
4. Disconnect the electrical connector.



E72793

5. Remove the screw.
6. Remove the bulb holder.
7. Gently press the bulb into the bulb holder, turn it anti-clockwise and remove it.

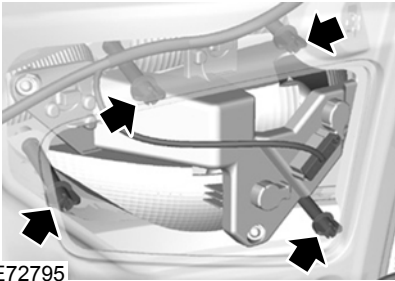
Reversing lamp, fog lamp and tail lamp



E72794

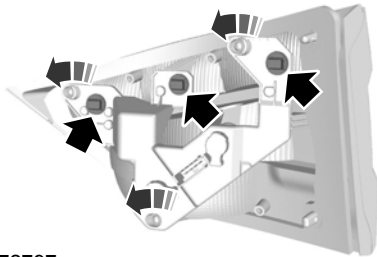
1. Remove the trim panel.

Lighting



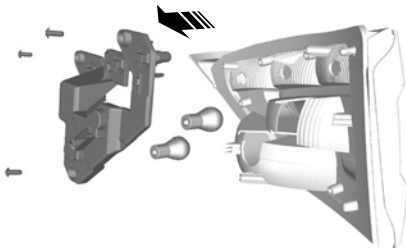
E72795

2. Remove the wing nuts.
3. Remove the lamp.
4. Disconnect the electrical connector.



E72797

5. Turn the bulb holder anti-clockwise and remove it.

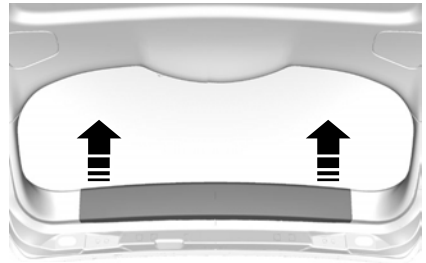


E72798

6. Remove the screws.
7. Remove the bulb holder.

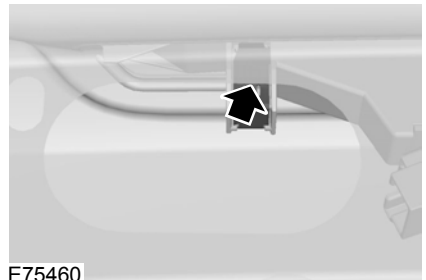
8. Gently press the bulb into the bulb holder, turn it anti-clockwise and remove it.

Central high mounted brake lamp (S-MAX)



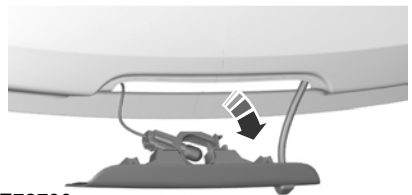
E75459

1. Remove the trim panel.



E75460

2. Release the spring clips.

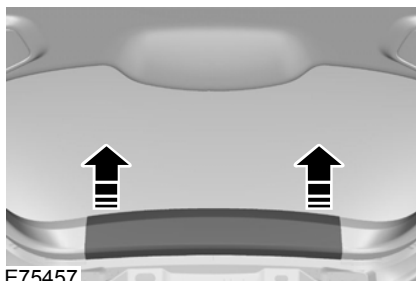


E72790

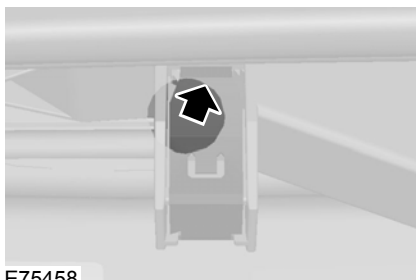
3. Remove the lamp.
4. Remove the bulb.

Lighting

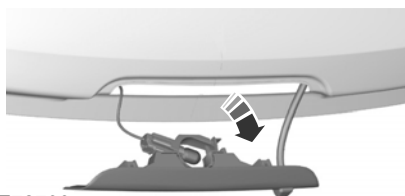
Central high mounted brake lamp (Galaxy)



1. Remove the trim panel.

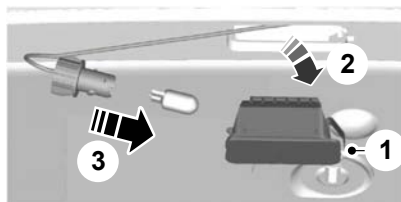


2. Release the spring clips.



3. Remove the lamp.
4. Remove the bulb.

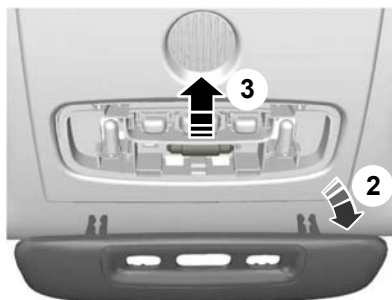
Number plate lamp



1. Carefully release the spring clip.
2. Remove the lamp.
3. Turn the bulb anti-clockwise and remove it.

Interior lamps

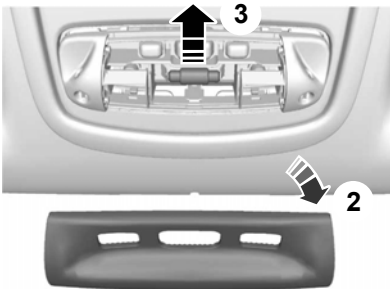
Vehicles without interior sensors



1. Carefully prise out the lens.
2. Remove the lens.
3. Remove the bulb.

Lighting

Vehicles with interior sensors

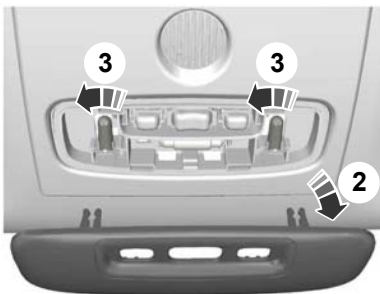


E72787

1. Carefully prise out the lens.
2. Remove the lens.
3. Remove the bulb.

Reading lamps

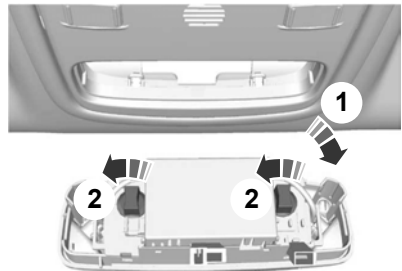
Vehicles without interior sensors



E72796

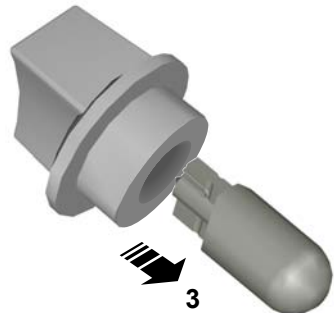
1. Carefully prise out the lens.
2. Remove the lens.
3. Remove the bulb.

Vehicles with interior sensors



E72786

1. Carefully prise out the lamp.
2. Turn the bulb holder anti-clockwise and remove it.

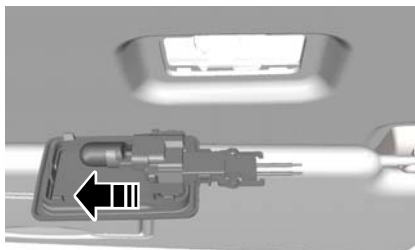


E73939

3. Remove the bulb.

Lighting

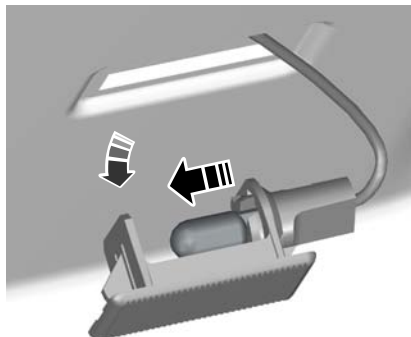
Vanity mirror lamp



E72785

1. Carefully prise out the lamp.
2. Remove the bulb.

Luggage compartment lamp



E72784

1. Carefully prise out the lamp.
2. Remove the bulb.

BULB SPECIFICATION CHART

Lamp	Specification	Power (watt)
Front direction indicator	PY21W	21
Headlamp main beam	H1	55
Headlamp dipped beam	H7	55
Cornering lamp	H1	55
Side repeater	WY5W	5
Approach lamp	W5	5
Front fog lamp (S-MAX)	H8	35
Front fog lamp (Galaxy)	HB4	55
Side lamp	W5W	5
Rear direction indicator	PY21W	21
Brake and tail lamp (S-MAX)	P21/5W	21/5
Brake lamp (Galaxy)	P21W	21
Tail lamp (Galaxy)	W5W	5

Lighting

Lamp	Specification	Power (watt)
Rear fog lamp	P21W	21
Reversing lamp	P21W	21
Central high mounted brake lamp	W16W	16
Number plate lamp	C5W	5
Interior lamp	Festoon	10
Reading lamp	BA 9s	5
Vanity mirror lamp	W5W	5
Luggage compartment lamp	W5W	5

Windows and mirrors

ELECTRIC WINDOWS

WARNING



Do not operate the electric windows unless they are free from obstruction.

Note: If you operate the switches often during a short period of time, the system might become inoperable for a certain time to prevent damage due to overheating.

Note: You can operate the windows for several minutes after you switch off the ignition. They will be deactivated as soon as a door is opened.

Note: If you operate both the switch on the relevant door and the switch for that window on the driver's door at the same time, the window will stop moving.

Switch on the ignition to operate the electric windows.

Global opening and global closing

You can also operate the electric windows with the ignition off via the global opening and global closing function. See **Global opening and closing** (page 37).

Note: Global opening and global closing will open or close the windows automatically only on vehicles equipped with four electric windows.

Note: Global closing will only operate if you have set the memory correctly for each window.

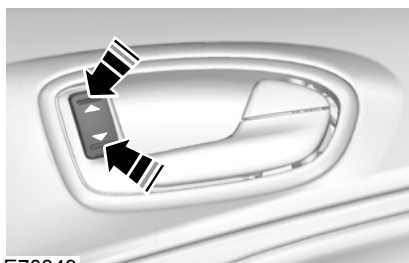
Driver's door switches



E70848

You can operate all the windows with the switches on the door trim panel of the driver's door.

Front and rear passengers' door switches



E70849

Opening and closing the windows automatically

Press or lift the switch to the second action point and release it. Press or lift it again to stop the windows.

Safety switch for rear windows

Note: You can always operate the rear windows from the driver's door.

Windows and mirrors



E70850

A switch in the driver's door disables the rear electric window switches.

The light in the switch illuminates and the lights in the rear window switches go off when the rear windows are disabled.

Anti-trap function

WARNING



Careless closing of the windows can override the protection function and cause injuries.

The electric windows will stop automatically while closing and reverse some distance if there is an obstacle in the way.

Overriding the anti-trap function

CAUTION



While you close the window for the third time, the anti-trap function is disabled. Make sure there are no obstacles in the way of the closing window.

To override this protection function when there is a resistance, for example, in the winter, proceed as follows:

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

2. Close the window a third time to the resistance. The anti-trap function is disabled and you cannot close the window automatically. The window will override the resistance and you can close it fully.
3. If the window does not close after the third attempt, have it checked by a properly trained technician.

Resetting the memory of the electric windows

WARNING



The anti-trap function is deactivated until you have reset the memory.

After the battery has been disconnected from the vehicle you must reset the memory separately for each window:

1. Lift the switch until the window is fully closed. Hold the switch lifted for one more second.
2. Release the switch and lift it again, two or three times, for one more second.
3. Open the window and try to close it automatically.
4. Reset and repeat procedure if the window does not close automatically.

Safety mode

WARNING



The anti-trap function is not active during this procedure.

If the system detects a malfunction, it enters a safety mode. The windows will move for only about 0.5 seconds at a time and then stop again. Close the windows by pressing the switch again when the windows stop moving. Have this checked immediately.

Windows and mirrors

EXTERIOR MIRRORS

Convex mirrors



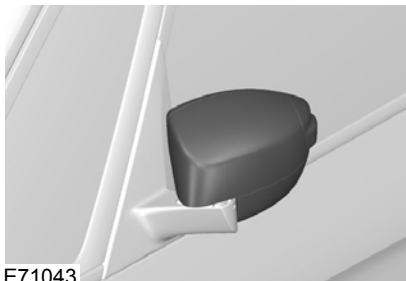
E71042

WARNING



Do not overestimate the distance of the objects that you see in the convex mirror. Objects seen in convex mirrors will appear smaller and further away than they actually are.

Folding mirrors



E71043

Make sure that you fully engage the mirror in its support when returning it to its original position.

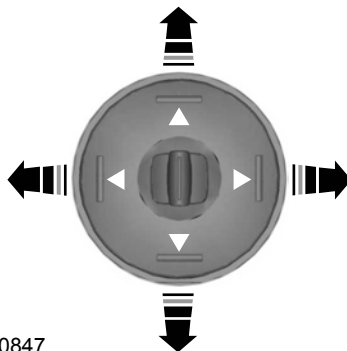
ELECTRIC EXTERIOR MIRRORS



E70846

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

Mirror tilting positions



E70847

The electric exterior mirrors are fitted with a heating element that will defrost or demist the mirror glass. See **Heated windows and mirrors** (page 110).

Windows and mirrors

Electric folding mirrors

The electric folding mirrors operate with the ignition on.

Note: You can operate the mirrors (mirror tilting and folding) for several minutes after you switch off the ignition. They will be deactivated as soon as a door is opened.



E72623

Press the button to fold or unfold the mirrors.

If you press the switch again while the mirrors are moving, they will stop and reverse the direction of movement.

Note: When the mirrors are operated often during a short period of time, the system may become inoperable for a period of time to prevent damage due to overheating.

Reverse mirror dipping

Depending on the switch position (**A** or **C**), the relevant exterior mirror will dip whenever you select reverse gear, giving you a view of the kerb.

Note: You can disable this feature by leaving the switch in position **B**.

The exterior mirror will return to the original position:

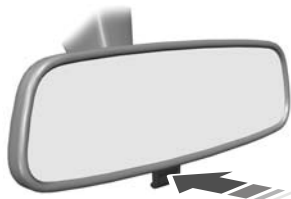
- If the vehicle speed exceeds 10 km/h (6 mph).
- Approximately 10 seconds after reverse gear has been disengaged.
- If the switch is returned to position **B**.

When you first use this feature, the mirror will dip to a preset position. This position can be adjusted using the following sequence:

1. Turn the ignition on. Do not start the engine.
2. Select the desired exterior mirror (**A** or **C**).
3. Select reverse gear, the selected exterior mirror will adjust to a preset position.
4. Adjust the mirror to the required dipped position.
5. Disengage reverse gear or press and hold the desired memory pre-set button until a single chime sounds to confirm. See **Memory function** (page 131).

The settings will be stored automatically.

INTERIOR MIRROR

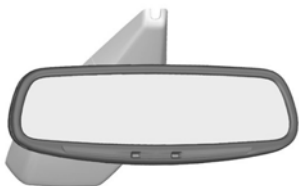


E71272

Dip the mirror to reduce glare when driving at night.

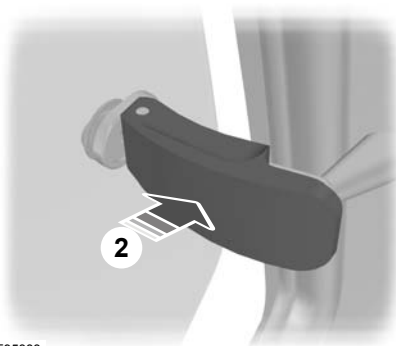
Windows and mirrors

AUTO-DIMMING MIRROR



E71028

The auto-dimming mirror will adjust automatically when hit by glaring light from behind. It will not work when you have selected reverse gear.



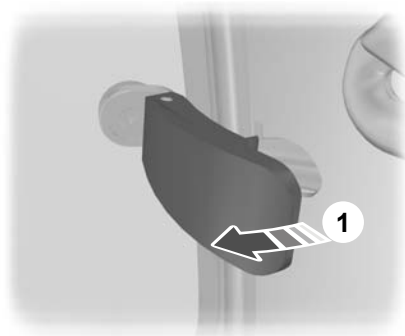
E95383

Closing

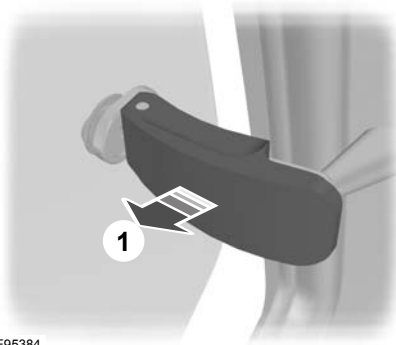
REAR QUARTER WINDOWS

Manual rear quarter windows

Opening

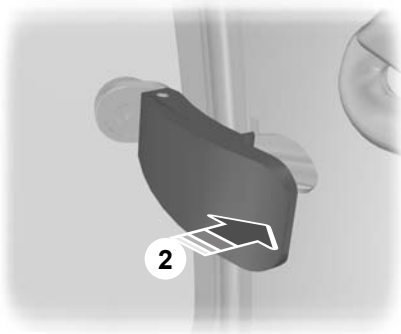


E72126



E95384

Windows and mirrors

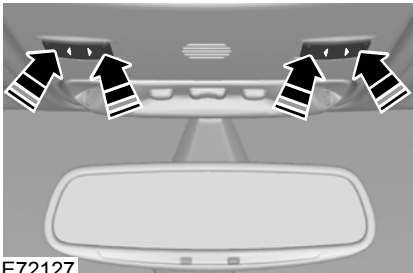


E95385

Note: Make sure that the lever is securely engaged in its catch.

Electric rear quarter windows

Switch on the ignition to operate the rear quarter windows.

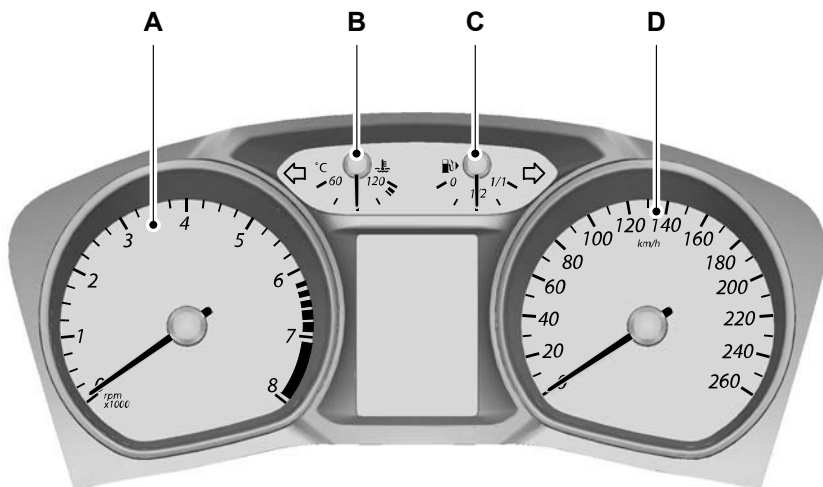


E72127

Instruments

GAUGES

Type 1 and 2

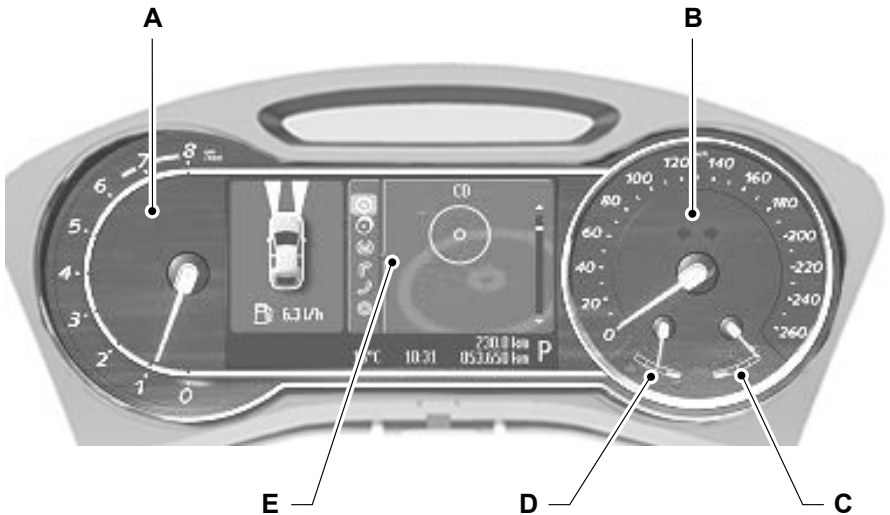


E72984

- A Tachometer
- B Engine coolant temperature gauge
- C Fuel gauge
- D Speedometer

Instruments

Type 3



E87713

- A Tachometer
- B Speedometer
- C Engine coolant temperature gauge
- D Fuel gauge
- E Message centre. See **Information displays** (page 81).

Engine coolant temperature gauge

Shows the temperature of the engine coolant. At normal operating temperature, the needle will remain in the centre section.

CAUTION



Do not restart the engine until the cause of overheating has been resolved.

If the needle moves towards 120°C, 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 213).

Instruments

Fuel gauge

The arrow adjacent to the fuel pump symbol tells you on which side of your vehicle the fuel filler cap is located.

WARNING LAMPS AND INDICATORS

The following warning lamps and indicators will illuminate briefly when you switch the ignition on to confirm that the system is operational:

- ABS
- Airbag
- Brake system
- Engine
- Electric parking brake (EPB)
- Frost
- Ignition
- Oil pressure (all except 2.5L Duratec)
- Stability control (ESP)

If a warning or indicator lamp does not illuminate when the ignition is switched on, this indicates a malfunction. Have the system checked by properly trained technician.

ABS warning lamp



It will flash when the system is operating. If it illuminates while driving, this indicates a malfunction. Have the system checked by a properly trained technician. You will continue to have normal braking (without ABS) but have this checked as soon as possible.

Airbag warning lamp



If it illuminates when driving, this indicates a malfunction. Have the system checked by a properly trained technician.

Brake system warning lamp

WARNING



Reduce your speed gradually. Use your brakes with great care. Do not step on the brake pedal abruptly.



If it illuminates when you are driving, this indicates a malfunction in one of the brake circuits. Check the brake fluid level. See **Brake and clutch fluid check** (page 214).

WARNING



Have this checked immediately.

If the brake system warning lamp illuminates with the ABS warning lamp or the stability control (ESP) warning lamp, this indicates a malfunction. Stop your vehicle as soon as it is safe to do so and have this checked before continuing your journey.

Cruise control indicator



It will illuminate when you have set a speed using the cruise control system. See **Using cruise control** (page 158). On vehicles with adaptive cruise control (ACC), the indicator will illuminate when ACC is active. See **Using ACC** (page 161).

Instruments

Direction indicators



Flashes during operation. A sudden increase in the rate of flashing warns of a failed indicator bulb. See **Changing a bulb** (page 58).

Engine warning lamp



If it illuminates with the engine running, this indicates a malfunction. 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 the system checked by a properly trained technician immediately.

CAUTION



If the engine warning lamp illuminates in conjunction with a message, have the system checked as soon as possible.

Electric parking brake (EPB) warning lamp



It will illuminate when an EPB warning message is displayed in the information display. See **Electric parking brake (EPB)** (page 148).

Forward alert indicator



It will illuminate when this feature is active. See **Forward alert function** (page 164).

Front fog lamp indicator



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

Frost warning lamp



It will illuminate and glow amber when the outside air temperature is between 4°C (39.2°F) and 0°C (32°F). It will glow red when the temperature is below 0°C (32°F).

Glow plug indicator



See **Starting a diesel engine** (page 136).

Headlamp indicator



It will illuminate when you switch the headlamp dipped beam on or the side and tail lamps on.

Ignition warning lamp



If it illuminates when you are driving, this indicates a malfunction. Switch off all unnecessary electrical equipment. Have the system checked by a properly trained technician immediately.

Low fuel level warning lamp



If it illuminates, refuel as soon as possible.

Main beam indicator



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

Maximum engine speed indicator



It will turn red when the maximum engine speed is reached.

Instruments

Message indicator



It will illuminate when a new message is stored in the information display. See

Information messages (page 94).

Oil pressure warning lamp

CAUTION



Do not resume your journey if the oil pressure warning lamp illuminates despite the oil level being correct. Have the system checked by a properly trained technician immediately.



If the lamp stays on after starting or illuminates during a journey, 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 213).

Rear fog lamp indicator



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

Seat belt reminder



See **Seat belt reminder** (page 29).

Stability control (ESP) warning lamp



While driving, it flashes during activation of the system. After switching on the ignition, if it does not illuminate or illuminates continuously while driving, this indicates a malfunction. During a malfunction, the system switches off. Have the system checked by a properly trained technician as soon as possible.

If you switch ESP off, the warning lamp will illuminate. The lamp will go out when you switch the system back on or when you switch the ignition off.

AUDIBLE WARNINGS AND INDICATORS

Switching the chimes on and off

You can deactivate certain chimes.

To set which chimes should sound:



1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Chimes** and press the right arrow button.
4. Highlight the chime and press the **OK** button to switch the chime on and off.
5. Press the left arrow button to exit the menu. Press and hold the left arrow button to return to the main menu display.

Information displays

GENERAL INFORMATION

WARNING



Do not operate the information display controls when the vehicle is moving.

Note: The information display will remain on for several minutes after you switch off the ignition.

Various systems on your vehicle can be controlled using the buttons on your steering wheel. Corresponding information is displayed in the information display.

For detailed instructions on audio, navigation, phone etc. refer to the appropriate manual.

Controls



E70499

Press the **up** and **down** arrow buttons:

- to scroll through the trip computer displays
- to scroll through and highlight the options within a menu.

Press the **right** arrow button:

- to enter the main menu from the trip computer displays
- to enter a sub-menu.

Press the **left** arrow button to exit a menu.

Hold the **left** arrow button pressed at any time to return to the main menu display (escape button).

Note: The system will return to the trip computer displays automatically if you do not press any button for a period of time.

Press the **OK** button to choose and confirm a setting.

Instrument cluster functions

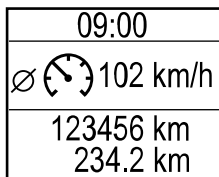
Function	Type 1	Type 2	Type 3
Trip computer	X	X	X
Information messages	X	X	X
Clock setup	X	X	X
Display settings	-	X	X
Park heater setup	-	X	X

Information displays

Function	Type 1	Type 2	Type 3
Navigation control	-	-	X
CD control	-	-	X
CD changer control	-	-	X
Radio control	-	-	X
Phone control	-	-	X
Auxiliary input control	-	-	X

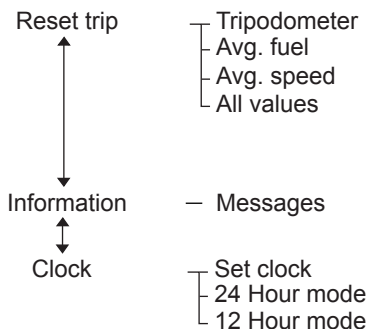
Type 1

Press the **up** and **down** arrow buttons on the steering wheel to scroll through the trip computer displays. See **Trip computer** (page 90).



E80604


Menu structure



E87751

Information displays

Type 2

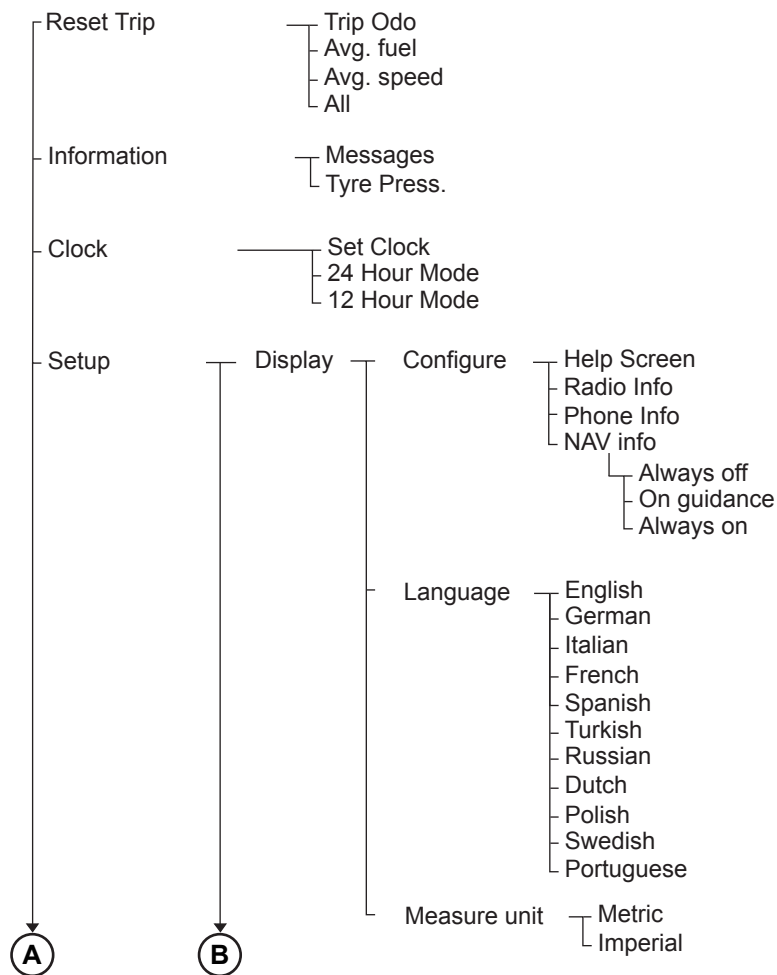
09:00
 Average Fuel 6.3 $\frac{\text{l}}{100\text{km}}$
123456 km 234.2 km

E74426

Press the **up** and **down** arrow buttons on the steering wheel to scroll through the trip computer displays. See **Trip computer** (page 90).

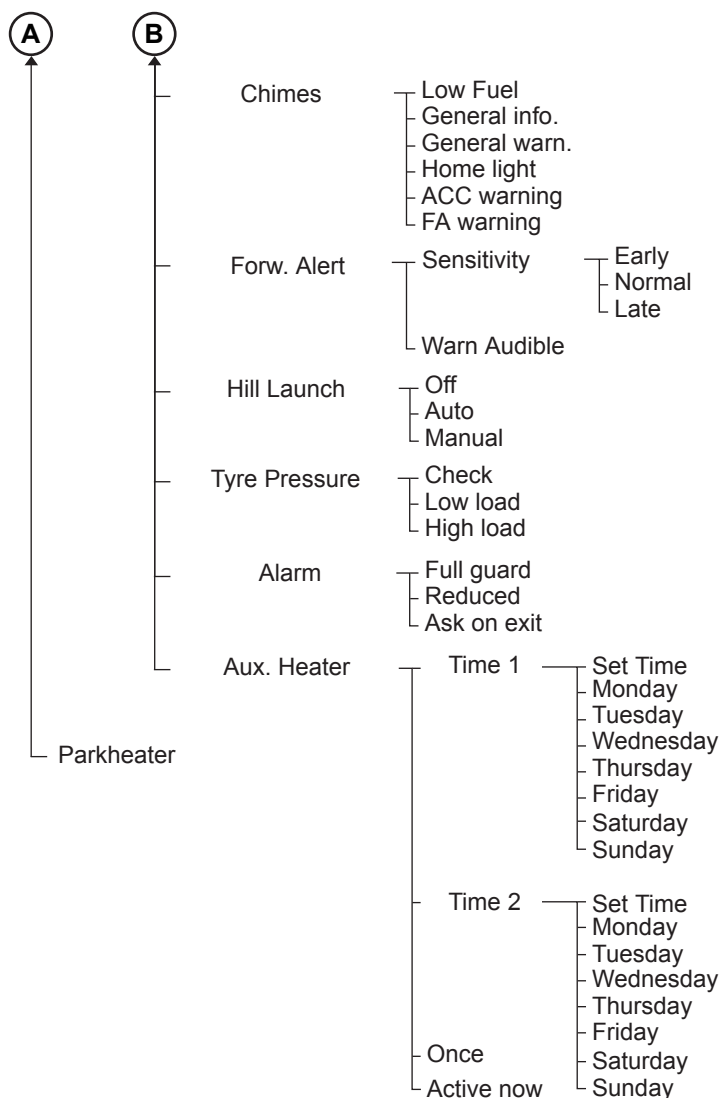
Information displays

Menu structure



E87752

Information displays



E87753

Information displays

Type 3



E88048

Use the controls to scroll through the menu displays.

Device list

The highlighted icon shows the current menu in use.



Navigation



CD



CD changer



Radio



Phone



Trip computer



Settings



Auxiliary input

Information displays

Menu structure

Navigation



CD



CD changer



Radio



Phone



E87754

- Home
- Destinat. mem. — Destinations
- Destinat. A-Z — Destinations
- Last destinat. — Destinations
- Cancel guidan.

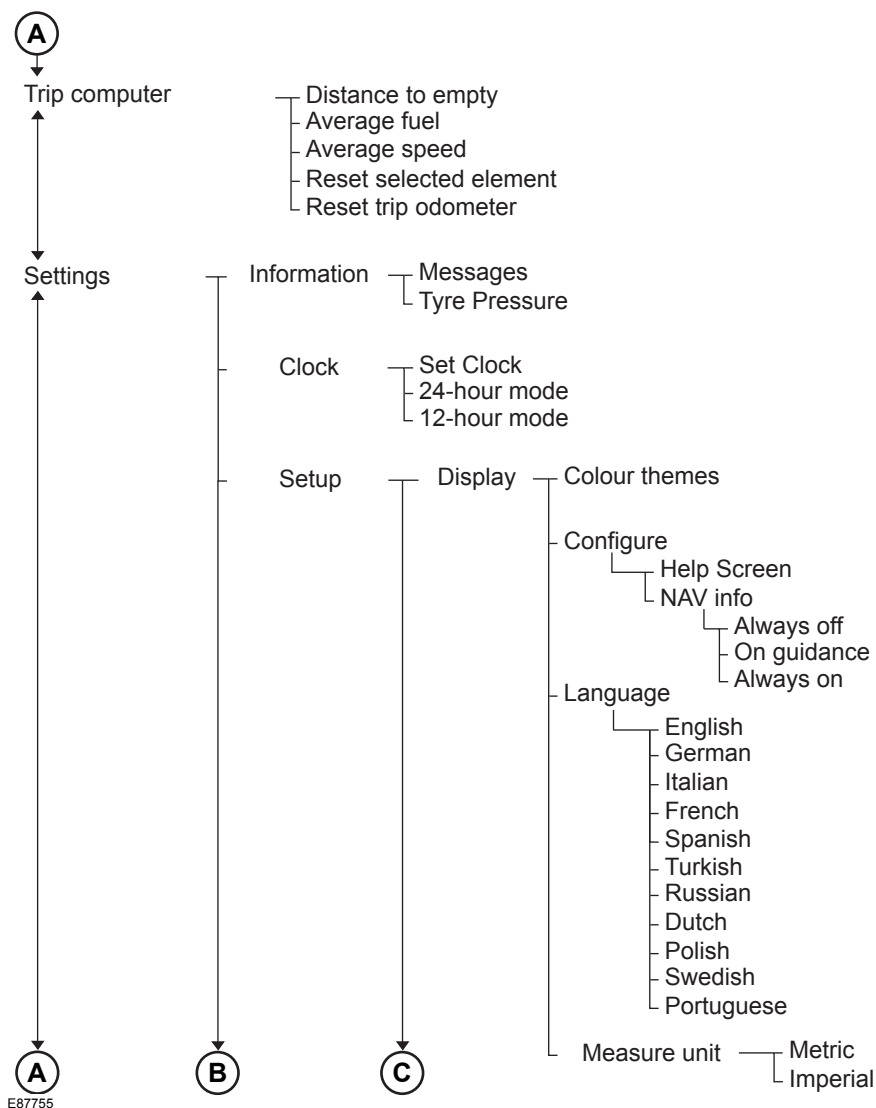
— Folder / Tracks

- CD 1 — Folder / Tracks
- CD 2 — Folder / Tracks
- CD 3 — Folder / Tracks
- CD 4 — Folder / Tracks
- CD 5 — Folder / Tracks
- CD 6 — Folder / Tracks

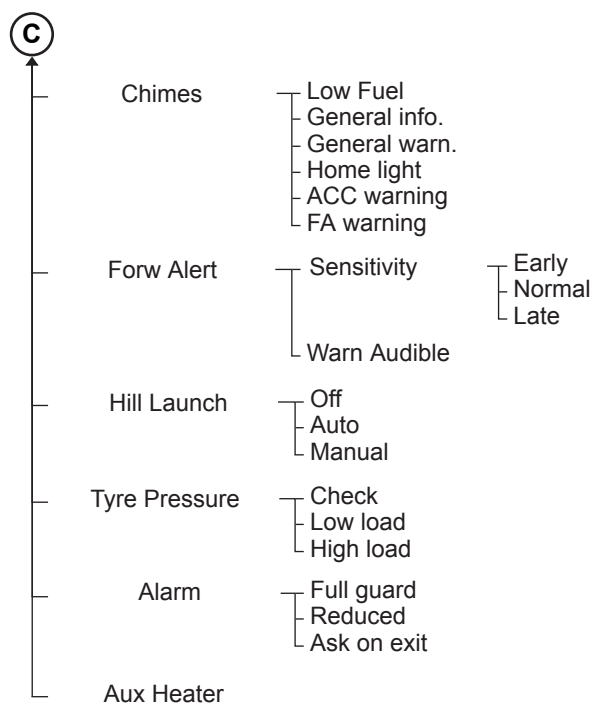
- Station list — Stations
- FM 1 / FM — Stations
- FM 2 — Stations
- FM 3 — Stations
- FM - AST — Stations
- MW / AM — Stations
- LW / AM-AST — Stations

- Phone book — Numbers
- Redial
- Incoming calls — Numbers
- Outgoing calls — Numbers
- Call status

Information displays

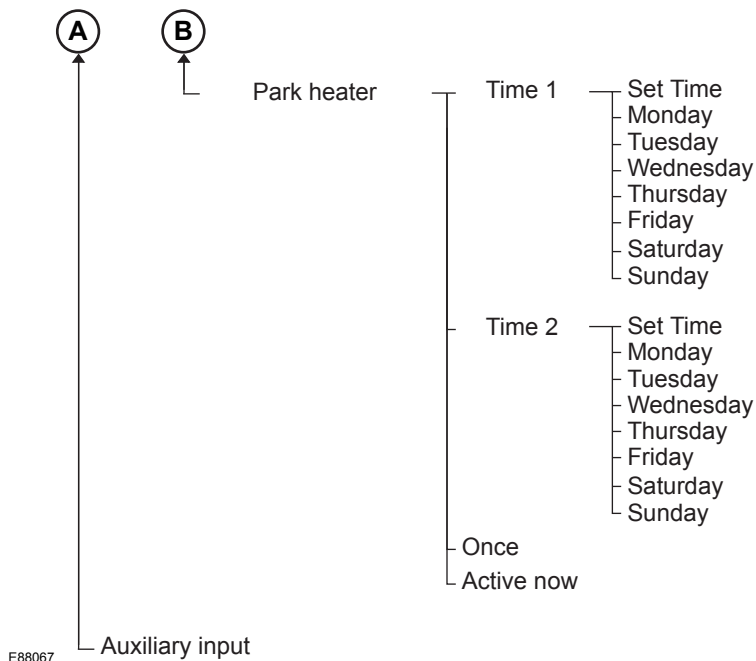


Information displays



E87756

Information displays



TRIP COMPUTER

Odometer

Registers the total mileage of the vehicle.

Tripmeter

Registers the mileage of individual journeys.

Distance to empty

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

Average fuel consumption

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

Average speed

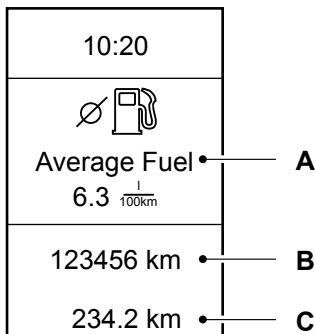
Indicates the average speed calculated since the function was last reset.

Outside air temperature

Shows the outside air temperature.

Information displays

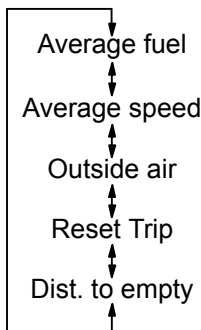
Type 1 and 2



E74428

- A Trip computer
- B Odometer
- C Tripmeter

The trip computer includes the following information displays:



E74441

Press the **up** and **down** arrow buttons on the steering wheel to scroll through the trip computer displays.

Note: The position of the trip computer display may vary depending on the information shown in the display.

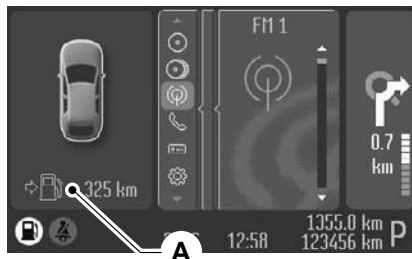
Resetting the trip computer using the main menu

To reset a particular display:

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Reset Trip** with the up and down arrow buttons and press the right arrow button.
3. Highlight the function to be reset.
4. Press the right arrow button to select the function.
5. Hold the **OK** button pressed.

To reset all three displays, select **All values** and hold the **OK** button pressed.

Type 3



E88049

- A Trip computer

Resetting the trip computer using the main menu

To reset a particular display:

1. Highlight **Trip Computer** with the up and down arrow buttons and press the right arrow button.
2. Highlight the function to be reset.

Information displays

3. Hold the **OK** button pressed.

PERSONALISED SETTINGS

The following information is displayed in the information display if you have selected it:

Help screen, radio, navigation and phone information

The help screen appears for a few seconds when you switch the ignition on.

If the radio, navigation or telephone is operating, information relating to this system is displayed in the information display.

To select which information is displayed in the information display:

Type 1 and 2

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Configure** and press the right arrow button.
5. To toggle the **Help screen**, **Radio Info** and **Phone Info** on and off, highlight the desired setting and press the **OK** button to confirm the setting.
6. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Type 3

1. Highlight **Settings** with the up and down arrow buttons and press the right arrow button.

2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Configure** and press the right arrow button.
5. To toggle the **Help screen** and **NAV Info** on and off, highlight the desired setting and press the **OK** button to confirm the setting.

Navigation information

You can also choose when the navigation information is displayed in the information display. Three options are available:

- **Always off:** No navigation information is displayed in the information display.
- **On guidance:** The navigation information will only appear when the navigation system provides a guidance instruction. This function is only available on certain navigation systems.
- **Always on:** Navigation information will always appear in the information display when the navigation system is operating.

To set when navigation information should be displayed:

Type 1 and 2

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Configure** and press the right arrow button.

Information displays

5. Highlight **Nav Info** and press the right arrow button.
6. Highlight the desired setting and press the **OK** button to confirm the setting.
7. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Type 3

1. Highlight **Settings** with the up and down arrow buttons and press the right arrow button.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Configure** and press the right arrow button.
5. Highlight **Nav Info** and press the right arrow button.
6. Highlight the desired setting and press the **OK** button to confirm the setting.

Language

A choice of eleven languages are available:

English, German, Italian, French, Spanish, Turkish, Russian, Dutch, Polish, Swedish and Portuguese.

Type 1 and 2

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.

4. Highlight **Language** and press the right arrow button.
5. Highlight the desired setting and press the **OK** button to confirm the setting.
6. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Type 3

1. Highlight **Settings** with the up and down arrow buttons and press the right arrow button.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Language** and press the right arrow button.
5. Highlight the desired setting and press the **OK** button to confirm the setting.

Units of measure

Note: *The outside air temperature is only displayed in degrees Celsius and cannot be set to degrees Fahrenheit.*

To select metric or imperial units:

Type 1 and 2

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Measure Unit** and press the right arrow button.
5. Highlight the desired setting and press the **OK** button to confirm the setting.

Information displays

6. Press the left arrow button to return to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Type 3

1. Highlight **Settings** with the up and down arrow buttons and press the right arrow button.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Display** and press the right arrow button.
4. Highlight **Measure Unit** and press the right arrow button.
5. Highlight the desired setting and press the **OK** button to confirm the setting.

INFORMATION MESSAGES



E70499

Press **OK** to acknowledge and remove some messages from the information display. Other messages will be removed automatically after a short time.

With instrument cluster type 3, certain messages need to be confirmed before you can access the menus.

Message indicator



The message indicator illuminates to supplement some messages. It will be red or amber depending on the severity of the message and will remain on until the cause of the message has been rectified.

Message symbols



See Owner's handbook.



Have the system checked at the next service.



Have the system checked as soon as possible.



Stop your vehicle as soon as it is safe to do so.

Viewing current messages

Type 1 and 2

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Information** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Messages** and press the right arrow button.
4. Use the up and down buttons to view the current messages.

Type 3

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Settings** with the up and down arrow buttons and press the right arrow button.

Information displays

3. Highlight **Information** with the up and down arrow buttons and press the right arrow button.
4. Highlight **Messages** and press the right arrow button.
5. Use the up and down buttons to view the current messages.

Active suspension

Message	Message warning lamp	Meaning
IVDC malfunction	amber	The active suspension has malfunctioned. Have this checked as soon as possible. See Using active suspension (page 155).
IVDC comfort	-	The active suspension is set to the comfort setting.
IVDC normal	-	The active suspension is set to the normal setting.
IVDC sport	-	The active suspension is set to the sport setting.

Alarm

Message	Message warning lamp	Meaning
Alarm triggered	amber	The alarm has been triggered. Check your vehicle for signs of unauthorised access.
Alarm system service reqd.	-	The alarm has malfunctioned. Have this checked as soon as possible.

Battery and charging system

Message	Message warning lamp	Meaning
Overvoltage: Stop safely!	red	The charging system voltage is above its normal operating range. Stop your vehicle as soon as it is safe to do so and switch off the ignition. Have this checked as soon as possible.
Low battery	amber	The battery voltage is low. Have this checked as soon as possible.

Information displays

Climate control

Message	Message warning lamp	Meaning
Aux. Heater on	amber	The auxiliary heater is on.

Cruise control / Adaptive cruise control (ACC)

Message	Message warning lamp	Meaning
Cruise control active	-	Cruise control is on.
Cruise control standby	-	Cruise control is on standby.
ACC unavailable	-	Stability control (ESP) may be switched off. Switch ESP back on and try ACC again. Otherwise try switching the ignition off and on to clear this message.
ACC malfunction	amber	The ACC has malfunctioned. Have this checked as soon as possible.
Clean radar sensor	amber	There may be something blocking the radar sensor. Clear any dirt, snow, water or other objects from the front grille area.
Forward Alert malfunction	amber	Forward alert has malfunctioned. Have this checked as soon as possible.

Doors open

Message	Message warning lamp	Meaning
Driver door open	red	The driver side front door is open.
Driver side rear door open	red	The driver side rear door is open.
Passenger door open	red	The passenger side front door is open.
Passenger side rear door open	red	The passenger side rear door is open.

Information displays

Message	Message warning lamp	Meaning
Luggage comp. open	red	The luggage compartment is open.
Bonnet open	red	The bonnet is open.

Engine immobiliser

Message	Message warning lamp	Meaning
Immobiliser active	amber	The engine immobiliser is on. See Engine immobiliser (page 40).

Hill launch assist (HLA)

Message	Message warning lamp	Meaning
Hill Launch not available	amber	HLA has malfunctioned. Have this checked as soon as possible.
Hill Launch Assist active	-	HLA is on.
Hill Launch Assist off	-	HLA is off.
Please use park brake !	amber	HLA is deactivated due to a malfunction. Use the parking brake normally on hills. See Hill launch assist (HLA) (page 152).

Lighting

Message	Message warning lamp	Meaning
Front lights malfunction	amber	The adaptive front lighting system (AFS) has malfunctioned. Have this checked as soon as possible.
Low beam: Bulb fault	-	One or both of the headlamp dipped beam bulbs have blown. Check the headlamp dipped beam bulbs. See Changing a bulb (page 58).

Information displays

Message	Message warning lamp	Meaning
Rear fog light: Bulb fault	-	One or both of the rear fog lamp bulbs have blown. Check the rear fog lamp bulbs. See Changing a bulb (page 58).
Stop lamps: Bulb fault	-	One or both of the brake lamp bulbs have blown. Check the brake lamp bulbs. See Changing a bulb (page 58).
Trailer stopl.: Bulb fault	-	One or both of the brake lamp bulbs on your trailer have blown. Check the brake lamp bulbs on your trailer.
Trailer turnl.: Bulb fault	-	One or both of the direction indicator bulbs on your trailer have blown. Check the direction indicator bulbs on your trailer.

Maintenance

Message	Message warning lamp	Meaning
Engine malfunction	red	The engine system has malfunctioned. Have this checked as soon as possible.
Check engine oil level	amber	The engine oil level is low. Check the engine oil level as soon as possible. See Engine oil check (page 213).
Water detected in fuel	amber	There is water in the fuel. Have this checked as soon as possible.
Low washer fluid level	-	The washer fluid level is low. Check the washer fluid level. See Washer fluid check (page 214).
Service oil	-	The engine oil needs to be changed. Have the engine oil changed as soon as possible.
Diesel filter over-loaded	-	The diesel particulate filter requires attention. See Diesel particulate filter (DPF) (page 137). See Warning lamps and indicators (page 78).

Information displays

Occupant protection

Message	Message warning lamp	Meaning
Crash mode	-	Have the system checked as soon as possible.

Electric parking brake (EPB)

Message	Message warning lamp	Meaning
Park brake malfunction	red	The EPB has malfunctioned. Have this checked as soon as possible.
Release park brake	red	Release the EPB. See Electric parking brake (EPB) (page 148).
Re-Apply park brake	red	Apply the EPB again. See Electric parking brake (EPB) (page 148).
Park brake applied	amber	The EPB is applied.
Park brake released	amber	The EPB is released.
Park brake service reqd.	-	The EPB has malfunctioned. Have this checked as soon as possible.

Power steering

Message	Message warning lamp	Meaning
Power steering malfunction	amber	The power steering system has malfunctioned. Have this checked as soon as possible.

Information displays

Stability control (ESP)

Message	Message warning lamp	Meaning
ESP off	-	Stability control is off.
ESP malfunction	-	Stability control has malfunctioned. Have this checked as soon as possible.

Transmission

Message	Message warning lamp	Meaning
Transmission malfunction	red	The transmission has malfunctioned. Have this checked as soon as possible.
Transmission over-temperature	amber	The transmission is over heating. Have this checked as soon as possible.

Tyre pressure monitoring system

Message	Message warning lamp	Meaning
Check tyre!	red	The tyre indicated has continued to deflate. Check the tyre and inflate it to the recommended pressure. See Technical specifications (page 233).
Check tyre pressures	red	One or more of the tyres are significantly under-inflated. This message may be displayed after a new sensor has been installed. Check the tyres and inflate them to the recommended pressure. See Technical specifications (page 233).
Check tyre	amber	The tyre indicated is significantly under-inflated. Check your tyres and inflate them to the recommended pressure. See Technical specifications (page 233).

Information displays

Message	Message warning lamp	Meaning
Tyre monitor malfunction	amber	You have installed a temporary spare wheel. Install a correctly inflated full size wheel with a sensor as soon as possible. When a malfunction occurs, the system may not be able to detect or signal low tyre pressure.
		Up to three sensors have malfunctioned, an unapproved accessory is interfering with the system or a general malfunction has been detected. Have the system checked as soon as possible. When a malfunction occurs, the system may not be able to detect or signal low tyre pressure.
Inflate tyres for high speed	amber	The tyre pressures are not suitable for driving at 160 km/h (100 mph). Inflate the tyres to the recommended pressure. See Technical specifications (page 233). This message will be displayed for only a few seconds with a low tyre pressure warning.
Tyre sensors not detected	-	You have installed wheels and tyres that do not have sensors. The tyre pressures will not be monitored.
		All sensors have malfunctioned or an unapproved accessory is interfering with the system. Have this checked as soon as possible.

Voice control

Message	Message warning lamp	Meaning
Voice control Please speak	-	Voice control is on.
Voice control Not recognised	-	Check voice control.
Voice control Not allowed	-	Voice control is not allowed in this mode.

Climate control

PRINCIPLE OF OPERATION

Outside air

Keep the air intakes forward of the windscreen free from obstruction (snow, leaves etc.) to allow the climate control system to function effectively.

Recirculated air

CAUTION

⚠ Prolonged use of recirculated air may cause the windows to mist up. If the windows mist up, follow the settings for defrosting and demisting the windscreen.

The air currently in the passenger compartment will be recirculated. Outside air will not enter the vehicle.

Heating

Heating performance depends on the temperature of the engine coolant.

Air conditioning

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

Note: If you use the air conditioning, the fuel consumption of your vehicle will be higher.

Air is directed through the evaporator where it is cooled. Humidity is extracted from the air to help keep the windows free of mist. The resulting condensation is directed to the outside of the vehicle and it is therefore normal if you see a small pool of water under your vehicle.

General information on controlling the interior climate

Fully close all the windows.

Warming the interior

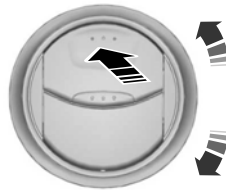
Direct the air towards your feet. In cold or humid weather conditions, direct some of the air towards the windscreen and the door windows.

Cooling the interior

Direct the air towards your face.

AIR VENTS

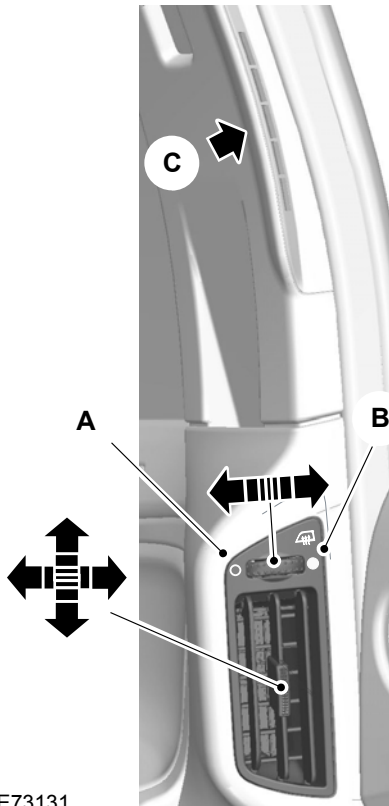
Front air vents



E71942

Climate control

Second row air vents

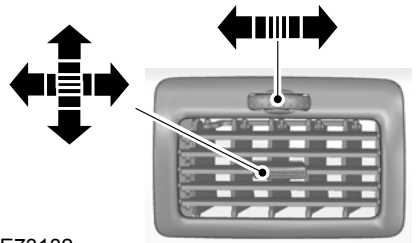


E73131

- A Air flow through lower air vent
- B Air flow through upper air vent
- C Upper air vent

Use the upper air vents to defrost or demist the side windows.

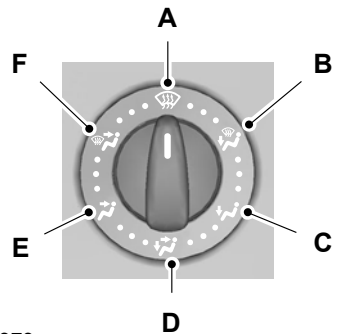
Third row air vents



E73132

MANUAL CLIMATE CONTROL

Air distribution control



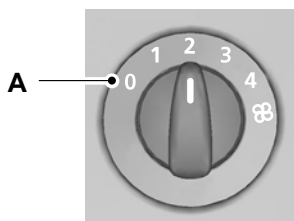
E71379

- A Windscreen
- B Footwell and windscreen
- C Footwell
- D Face level and footwell
- E Face level
- F Face level and windscreen

Climate control

You can set the air distribution control to any position between the symbols.

Blower



E75470

A Off

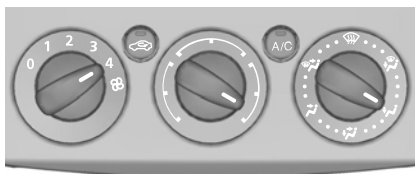
Note: If you switch the blower off, the windscreen may mist up.

Recirculated air



Press the button to toggle between outside air and recirculated air.

Heating the interior quickly



E71377

Ventilation



E71378

Set the air distribution control, blower and air vents to suit your requirements.

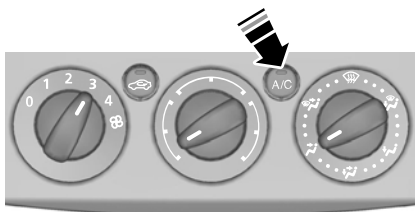
Air conditioning

Switching the air conditioning on and off



If you turn the blower off, the air conditioning will turn off. When you turn the blower on again, the air conditioning will come on automatically.

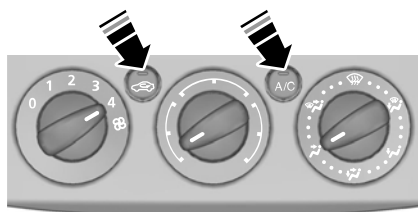
Cooling with outside air



E71380

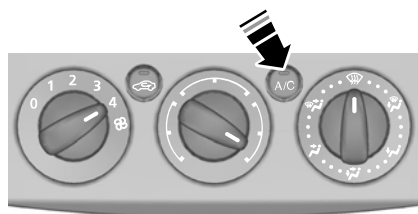
Climate control

Cooling the interior quickly



E71381

Defrosting and demisting the windscreen



E71382

When the temperature is above 4°C (39°F), the air conditioning will switch on automatically. Make sure that the blower is on. The indicator in the switch will illuminate during defrosting and demisting.

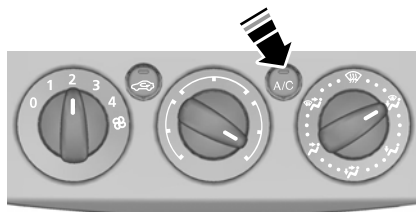
If you move the air distribution control to a position other than **A**, the **A/C** will remain on.

You can switch the air conditioning and recirculated air on and off while the air distribution control is set to position **A**.

If necessary, switch the heated windows on. See **Heated windows and mirrors** (page 110).

Note: To defrost or demist the rear side windows, set the second row air vents to the defrosting and demisting position. See **Air vents** (page 102).

Reducing interior air humidity



E71383

Climate control

AUTOMATIC CLIMATE CONTROL

Dual-zone



E80737

Triple-zone



E70302

Climate control

Your vehicle is fitted with either a dual-zone or triple-zone system. When the system is in mono mode, all the temperature zones are linked to the driver's zone. When you switch mono mode off, the dual-zone system allows you to set different temperatures for the driver's and passenger's side. On vehicles fitted with a triple-zone system, you can set a third temperature for the rear.

The system controls the temperature, amount and distribution of the air flow automatically and adjusts them according to the driving and weather conditions. Press the **AUTO** button to switch auto mode on.

Note: Avoid adjusting the settings when the vehicle interior is extremely hot or cold. The system adjusts to the current circumstances automatically. For the system to function properly, the side and centre air vents should be fully open.

Note: At low outside air temperatures, when the system is in auto mode, the air stream will be directed to the windscreens and the side windows as long as the engine is cold.

Note: For information on the automatic climate control, on vehicles fitted with a combined Navigation and automatic climate control system, see separate handbook.

Setting the temperature



E70304

You can set the temperature between 16°C (61°F) and 28°C (82°F) in steps of 0.5°C (1°F). In position **LO** (below 16°C [61°F]) the system will switch to permanent cooling, in position **HI** (above 28°C [82°F]) to permanent heating, and will not regulate a stable temperature.

Mono mode

In mono mode, the temperature settings for both the driver's and passenger's side are linked. If you adjust the temperature using the rotary control on the driver's side, the same temperature will be set for the passenger's side. **MONO** is shown in the display.

To switch mono mode off

Select a temperature for the passenger's side using the rotary control on the passenger's side. Mono mode will switch off and **MONO** disappears from the display. The temperature for the driver's side will remain unchanged. You can now adjust the driver's and passenger's side temperatures independently of each other. The temperatures are shown in the display. You can set a difference of up to 4°C (7°F).

Note: If you set a difference of greater than 4°C (7°F), the temperature on the other side will be adjusted so that the difference remains at 4°C (7°F).

Note: If you set one of the sides to **HI** or **LO**, both sides will be set to **HI** or **LO**.

To switch mono mode back on

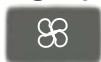


Press the **MONO** button. **MONO** is shown in the display, and the passenger's side temperature will be adjusted to the driver's side temperature.

Climate control

Blower

High speed



Low speed



Use the buttons to adjust the blower speed.

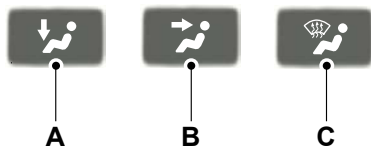
The blower setting is shown in the display.



To return to auto mode, press the **AUTO** button.

Air distribution

To adjust air distribution, press the desired button. Any combination of settings can be selected simultaneously.



E70308

- A Footwell
- B Face level
- C Windscreen

Windscreen defrosting and demisting



When you select windscreen defrosting and demisting, **A**, **B** and **C** switch off automatically and the air conditioning switches on. Outside air will flow into the vehicle. You cannot select recirculated air.

The blower speed and the temperature control operate automatically and cannot be adjusted manually. The blower is set to high speed and the temperature to **HI**.

When you select windscreen defrosting and demisting, the heated screens switch on automatically and switch off after a short time.

To return to auto mode, press the **AUTO** button.

Note: To defrost or demist the rear side windows, set the second row air vents to the defrost or demist position. See **Air vents** (page 102).

Switching the air conditioning on and off



Press the button. **A/C OFF** or **A/C ON** is shown in the display.

Recirculated air



Press the button to change between outside air and recirculated air.

Note: When the system is in auto mode and the interior and exterior air temperatures are quite hot, the system selects recirculated air automatically to maximise cooling of the interior. Once the selected temperature is reached, the system will automatically reselect outside air.

Climate control

Switching the automatic climate control on and off

Note: When switched off, the heating, ventilation and air conditioning system for both front and rear zones are switched off and recirculated air is selected.

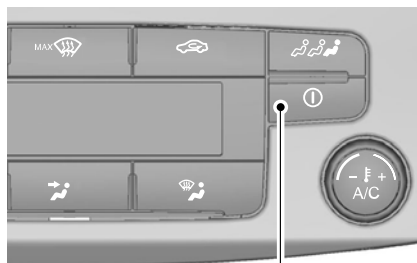
Dual-zone



E70980

Use the buttons to switch the system on and off.

Triple-zone



A

E70312

Press button **A** to switch the system on and off.

Rear air conditioning (triple-zone automatic climate control)

Note: This is a cooling system only. You can use it to cool the rear. The system will not change the rear setting to a temperature higher than the average of the two front temperature settings.

Note: When switched off, you cannot set a temperature for the rear which is lower than the average of the two front temperature settings.

Switching between front and rear air conditioning mode



E70313

Press the button. The rear air conditioning symbol and the rear settings will be shown in the display.

When the system is in rear air conditioning mode, you can select a temperature using the rotary control on the driver's side.

To return to the front settings, press the button again. If no button is pressed for a few seconds, the system will automatically return to the front settings.

Climate control

Rear temperature

Note: If you set different temperatures for the driver's side and rear, mono mode will be switched off.

Note: When you press the **MONO** button, all three temperature zones will be adjusted to the temperature set for the driver's side.

Switching the rear air conditioning on and off



When the system is in rear air conditioning mode, use the button to switch the system on and off. **A/C OFF** or **A/C ON** is shown in the display.

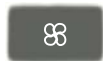
Note: When the front air conditioning is switched off, you cannot have rear air conditioning.

Rear blower

High speed



Low speed



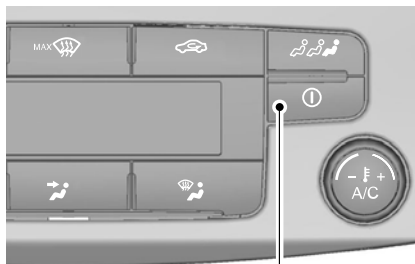
When the system is in rear air conditioning mode, use the buttons to adjust the blower speed.

The blower setting is shown in the display.



When the system is in rear air conditioning mode, press the **AUTO** button to return to auto mode. In auto mode, the rear blower is automatically controlled. **AUTO** is shown in the display.

Switching the rear automatic climate control on and off



A

E70312

When the system is in rear air conditioning mode, press button **A** to switch only the rear system on and off.

HEATED WINDOWS AND MIRRORS

Heated windows

Use the heated windows to defrost or demist the windscreen or rear window.

Note: The heated windows operate only when the engine is running.

Heated windscreen



Heated rear window



Climate control

Heated exterior mirrors

Electric exterior mirrors are fitted with a heating element that will defrost or demist the mirror glass. They will switch on automatically when you switch the heated rear window on.

AUXILIARY HEATER

Parking heater

WARNING



The parking heater must not be operated at filling stations, near sources of combustible vapours or dust or in enclosed spaces.

The parking heater operates independently of the vehicle heater by heating the engine's coolant circuit. It is fed from the vehicle fuel tank. You can also use it while the vehicle is in motion to help the vehicle heater warm up the interior more quickly.

Used properly, the parking heater provides the following benefits:

- It preheats the interior of the vehicle.
- It keeps the windows clear of ice in the event of frost and prevents condensation.
- It avoids cold starts and allows the engine to reach operating temperature sooner.

Note: The parking heater will only operate if there is at least 7.5 litres (1.6 gallons) of fuel in the fuel tank and the ambient temperature is below 15°C (59°F). The heater will not operate if the battery is low.

Note: The heating depends on the outside air temperature.

Note: When the parking heater is activated, exhaust fumes may come from under the sides of the vehicle. This is normal.

Note: On vehicles with a manual heating, ventilation and air conditioning system, the heating of the vehicle interior is dependent on the temperature, air distribution and blower control settings.

To prevent the battery from discharging:

- Once the parking heater has performed one heating cycle, the next programmed heating cycle will only be carried out if you have started the vehicle's engine in between.
- After a heating cycle, drive the vehicle for at least the period of the heating cycle.

Programming the parking heater

Note: The programmed time is the time at which you wish the vehicle to be warm and ready to drive, not the time at which the heater switches on.

Note: You must programme the times at least 70 minutes in advance of the time you wish to set.

Note: You must set the time and date correctly. See **Clock** (page 125).

To programme the heating times:



E70499

Climate control

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.
3. Highlight **Park Heater** and press the right arrow button.

Park Heater	
<input checked="" type="checkbox"/> Program 1	>
<input type="checkbox"/> Program 2	>
<input type="checkbox"/> One-Time	>
<input type="checkbox"/> Active now	>

E74467

- The functions **Program 1** and **Program 2** allow you to programme up to two heating cycles for each day of the week. These times will remain stored and the heater will warm up the vehicle at these times on these days every week.
- The function **One-Time** allows you to programme one heating cycle for one specific day.
- The function **Active now** automatically switches on the heater.

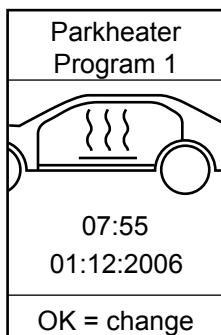
Programming the functions Program 1 and Program 2

Program 1	
[07:55]	>
<input type="checkbox"/> Monday	
<input type="checkbox"/> Tuesday	
<input checked="" type="checkbox"/> Wednesday	
<input type="checkbox"/> Thursday	
<input type="checkbox"/> Friday	✓

E74468

1. Highlight **Program 1** and press the right arrow button.
2. Highlight the day on which the heater should warm up the vehicle.
3. Press the **OK** button to confirm the selection. A cross appears in the box next to the day to show that this day is selected.
4. Continue in the same way to select all the days on which the heater should warm up the vehicle.
5. To set the time at which the vehicle should be warmed up, highlight the time at the top of the display and press the right arrow button.
6. Press the **OK** button and the hours flash. Use the up and down arrow buttons to adjust the individual settings and the left and right arrow buttons to move to the next or previous setting.
7. When you have finished, press the **OK** button again to confirm the selection.

Climate control



E74469

You can use the function **Program 2** to set a second cycle, for example different times on different days or twice on the same day. The programming procedure is the same as for the function **Program 1**.

Programming the function One-Time

1. Highlight **One-Time** and press the right arrow button.
2. Press the **OK** button and the hours flash. Use the up and down arrow buttons to adjust the individual settings and the left and right arrow buttons to move to the next or previous setting.
3. When you have finished, press the **OK** button again to confirm the selection.

Active now

Highlight **Active now** and press the **OK** button. A cross appears in the box next to the function to show that the heater is activated.

To deactivate the heater, highlight **Active now** and press the **OK** button again.

Diesel auxiliary heater (depending on country)

The diesel auxiliary heater (PTC electrical heater) aids in warming the engine and the vehicle interior on vehicles with a diesel engine. It is switched on or off automatically depending on the outside air temperature, the coolant temperature and the alternator load.

Fuel operated heater (depending on country)

The fuel operated heater aids in warming the engine and the vehicle interior on vehicles with a petrol or diesel engine. It is switched on or off automatically depending on the outside air temperature and the coolant temperature, unless you have deactivated it. When the fuel operated heater is operating, **Aux. Heater on** is displayed in the information display. See **Information displays** (page 81).

To deactivate the fuel operated heater:



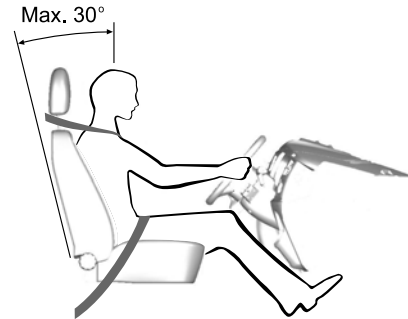
1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down arrow buttons and press the right arrow button.

Climate control

3. Highlight **Aux. Heater** and press the **OK** button to toggle the heater on and off. A cross appears in the box when the heater is activated.
4. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Seats

SITTING IN THE CORRECT POSITION



WARNINGS



Do not adjust the seats when the vehicle is moving.



Only when you use the seat belt properly, can it hold you in a position that allows the airbag to achieve its optimum effect.

When you use them properly, the seat, head restraint, seat belt and airbags will provide optimum protection in the event of a collision. We recommend that you:

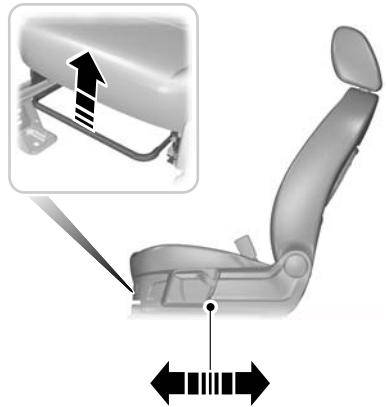
- sit in an upright position with the base of your spine as far back as possible.
- do not recline the seatback more than 30 degrees.
- adjust the head restraint so that the top of it is level with the top of your head and as far forwards as possible, remaining comfortable.
- keep sufficient distance between yourself and the steering wheel. We recommend a minimum of 250 millimetres (10 inches) 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 seat belt over the centre 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.

MANUAL SEATS

Moving the seats backwards and forwards



WARNING



Rock the seat backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.

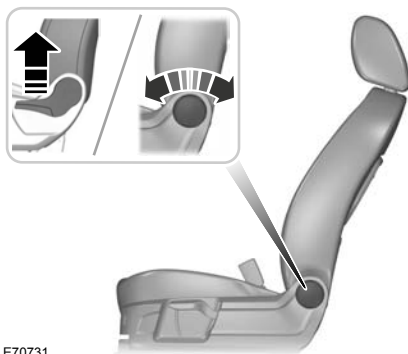
Seats

Adjusting the lumbar support



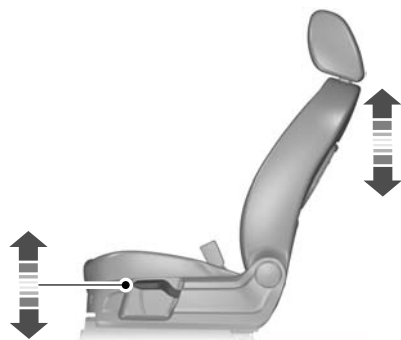
E70729

Adjusting the angle of the seatback



E70731

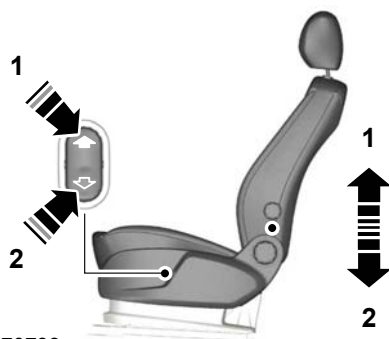
Adjusting the height of the driver's seat



E70730

ELECTRIC SEATS

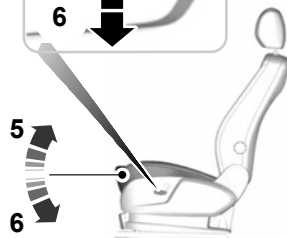
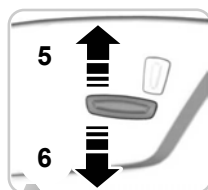
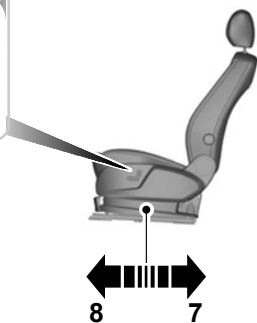
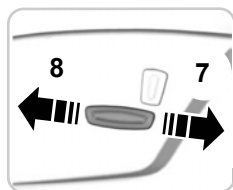
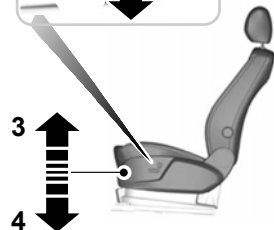
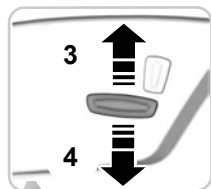
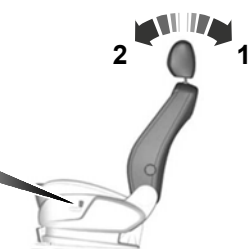
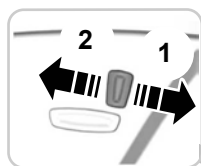
2-way electric seat



E70733

Seats

8-way electric seat



E70734

Seats

HEAD RESTRAINTS

Adjusting the head restraint

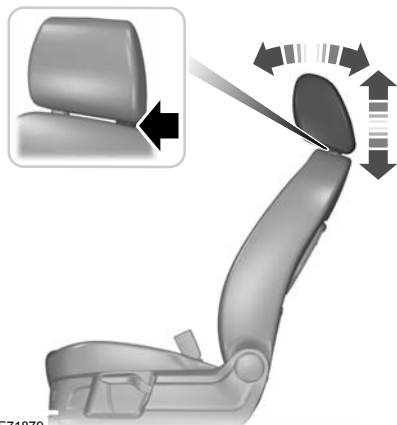
WARNINGS



Raise the rear head restraint when the rear seat is occupied by a passenger.



When using a forward facing child restraint on a rear seat, always remove the head restraint from that seat.



E71879

Adjust the head restraint so that the top of it is level with the top of your head and as far forwards as possible, remaining comfortable.

Removing the head restraint

Press the locking buttons and remove the head restraint.

REAR SEATS

Second row seats

Moving the seats backwards and forwards

WARNING



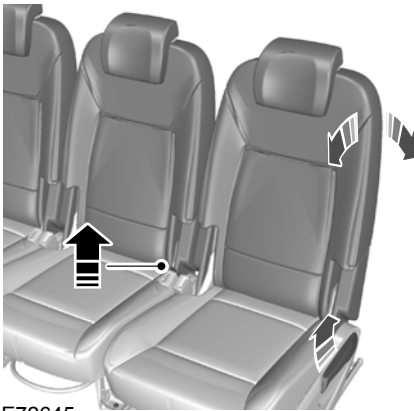
Rock the seat backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.



E72644

Seats

Adjusting the seatback



E72645

1. To recline the seatback, pull the lever on the outboard seats or the strap on the centre seat and lean back against the seatback until it reaches the desired position.
2. To raise the seatback, pull the lever up and push the seat cushion forwards using your weight.

Easy entry position (vehicles with third row seats only)

Note: You can move the outboard seats forwards to allow access to the third row seats.



E72704



E72706

1. Pull the lever once. Fold the seatback forwards into the position shown and slide the complete seat forwards. When exiting the vehicle from the third row seats, pull the loop on the rear of the second row seat.
2. To return the seat to the seating position, slide the seat backwards. The seat will stop automatically and at a midway position.

Seats

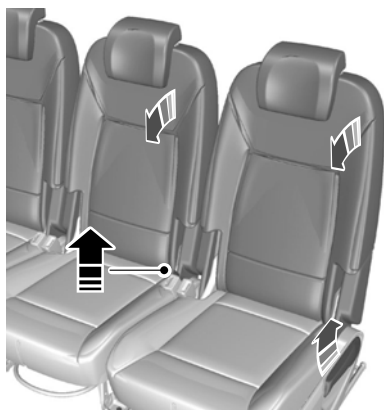
3. Fold the seatback up until it engages.
4. To move the seat further back, pull the lever under the front of the seat and slide it backwards.

Folding the seatbacks down

WARNING



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



E72705

1. Lower the head restraints. See **Head restraints** (page 118).
2. Slide the seats backwards as far as they will go.
3. Insert the centre seat belt into the retainer in the roof. See **Fastening the seat belts** (page 27).
4. On the outboard seats, pull the lever and fold the seatback into a sloped position. Pull the lever again and fold down the seatback.
5. On the centre seat, pull the loop between the seat cushion and the seatback and fold down the seatback.
6. To engage the seatbacks in the folded position, pull the lever or loop again and push the seatback firmly down until it latches into position.

To return the seat to the seating position, pull the lever or loop and fold the seatback up until it engages.

Third row seats

WARNING



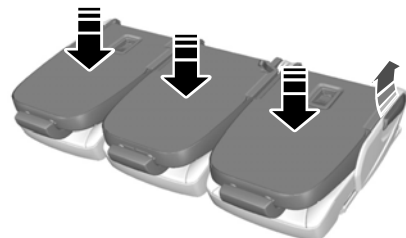
Do not sit in a third row seat when the second row seat in front of it is folded flat.

Moving the seats backwards and forwards (Galaxy)

WARNING



Rock the seat backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.



E72646

Seats



E72647

Adjusting the seatback (Galaxy)



E75381

1. To recline the seatback, pull the strap and lean back against the seatback until it reaches the desired position.
2. To raise the seatback, pull the strap and let the seatback return to the upright position.

Folding the seats flat

WARNING

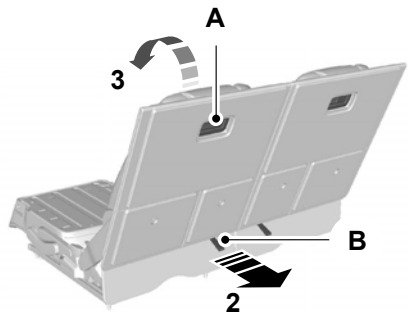


When folding the seatbacks down, take care not to get your fingers caught between the seatback and seat frame.

Note: On *Galaxy*, you can release the third row seat belts from the floor lugs. See **Fastening the seat belts** (page 27).



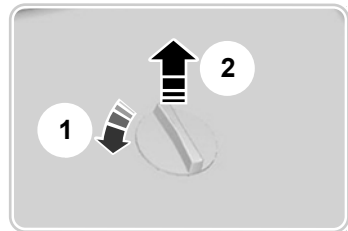
E72707



E72648


Seats

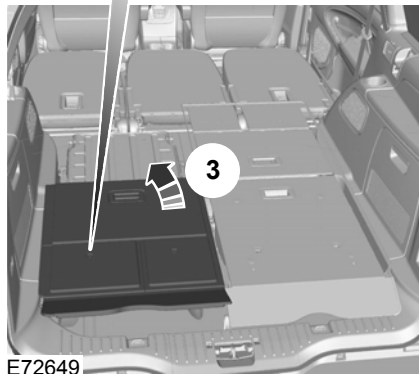
1. Pull the loop at the rear of the seat cushion and fold the seat cushion forwards until it lies flat on the floor (1).
2. Grasp the grip (A) and pull the loop (B) at the base of the seatback upwards and rearwards (2).
3. Fold the seatback down flat to the floor using the grip (3).
4. To return the seat to the seating position, grasp the grip and pull the seatback upwards and then rearwards.
5. Fold the seat cushion back.



Creating a level load floor

CAUTION

 When transporting a load with the seats folded flat, always fold the relevant carpeted cover forwards to cover the folded seats.



E72649

1. Turn the retainers on the rear of the third row seatbacks anti-clockwise through 90 degrees to release the carpeted cover.
2. Fold it forwards to cover up the folded seats.
3. To fix the cover back onto the seatbacks, fold it back and push the retainers into the seatback until they click into place.

Note: When only the third row seats are folded flat, fold the covers forwards to cover up the base of the second row seats. The smaller flaps at the front of the cover should stand vertically against the second row seatbacks.

Seats

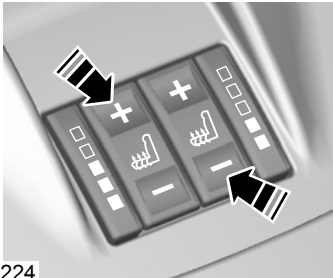
HEATED SEATS

CAUTION

⚠ Operating this function with the engine off will drain the battery.



E70601



E71224

Note: The settings are stored when you switch off the ignition.

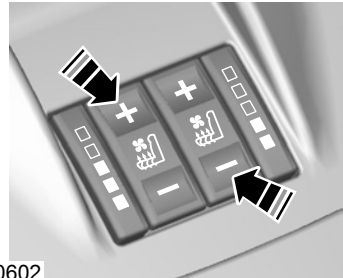
VENTILATED SEATS

CAUTION

⚠ Operating this function with the engine off will drain the battery.



E70601



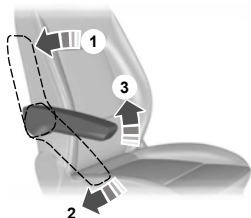
E70602

Note: The settings are stored when the ignition is switched off.

Note: When the seat is being ventilated, the heater may switch on automatically. This is to prevent the flow of air becoming uncomfortably cool.

Note: The air in the vehicle interior is used to ventilate the seats. The cooling effect therefore depends on the temperature of the vehicle interior. Switch on the air conditioning if necessary and set the air distribution to footwell. See **Climate control** (page 102).

FRONT SEAT ARMREST

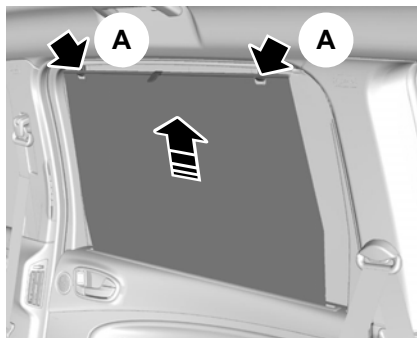


E95256

Convenience features

SUN BLINDS

Side windows



E74809

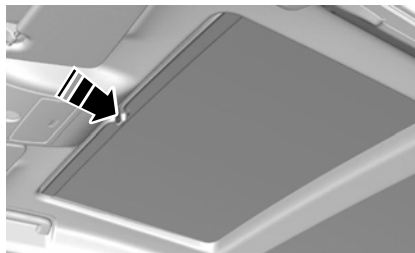
Pull the blind up and attach it to the hooks (A).

Roof (Galaxy)



E74808

Roof (S-Max)



E74807

To release the blind, press the button.

INSTRUMENT LIGHTING DIMMER



E70723

CLOCK

Note: Some navigation systems will automatically set the date and time on the clock using GPS signals.

Note: See **General information** (page 81).

1. From the main menu, select the clock function.
2. Select the option required.
3. Press **OK**.

Convenience features

- Using the right, left, up and down arrow buttons, select and change the value.
- Press **OK**.

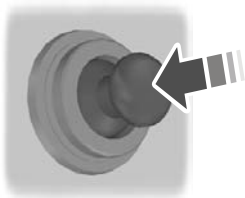
CIGAR LIGHTER

CAUTIONS

- ! If you use the socket when the engine is not running, the battery may discharge.
- ! Do not hold the cigar lighter element pressed in.

Note: Switch the ignition on to use the cigar lighter. You can also use it for up to 30 minutes after you have switched the ignition off.

Note: You can use the socket to power 12 volt appliances that have a maximum current rating of 15 Amperes. Use only Ford accessory connectors or connectors specified for use with SAE standard sockets.

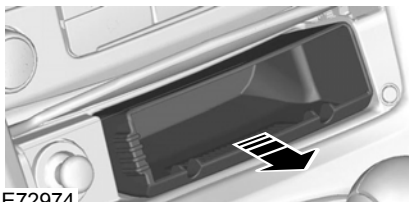


E72972

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

ASHTRAY

Front ashtray



E72974

To empty, pull out the complete ashtray.

Rear ashtray



E73705

To remove the ashtray, open it, press it down against the spring and remove it.

AUXILIARY POWER SOCKETS

CAUTION

- ! If you use the socket when the engine is not running, the battery may discharge.

Note: You can use the socket when the ignition is switched off.

Convenience features

Note: You can use the socket to power 12 volt appliances that have a maximum current rating of 15 Amperes. Use only Ford accessory connectors or connectors specified for use with SAE standard sockets.

S-Max



E74130

Galaxy



E72977

CUP HOLDERS

WARNING



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

Seat back trays

WARNING



Do not use the trays when the vehicle is moving. Make sure that you secure the trays in the lowered position before setting off.

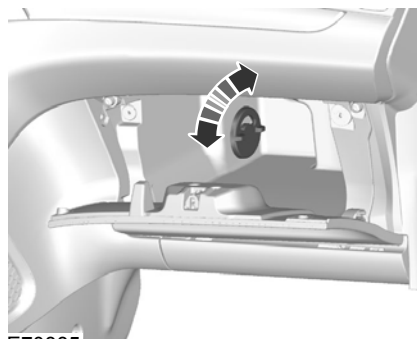


E72630

GLOVE BOX

Cooled glove box

Note: You can cool the glove box using air from the air conditioning system.



E70885

Convenience features

STORAGE COMPARTMENTS

WARNING



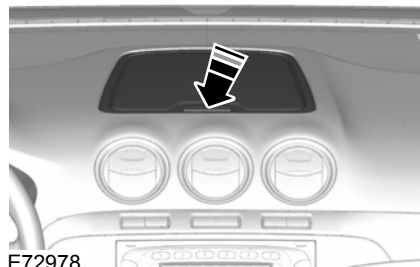
Do not drive with any storage compartment lid open. Make sure that you secure the lid before setting off.

CAUTION



Do not keep heat-sensitive items and liquids in any storage compartment.

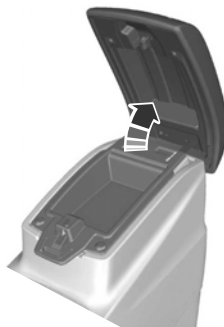
Front storage compartments



E72978



E72980



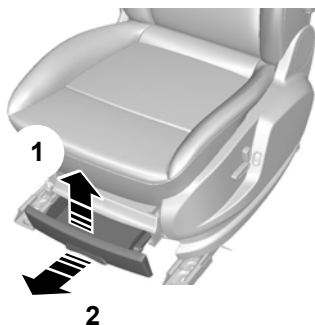
E73704



E72905

Convenience features

Under seat storage compartment



E72981

Overhead storage compartments

WARNING

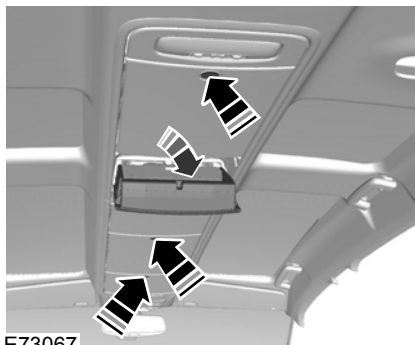


Do not place heavy objects in the overhead storage compartments.

CAUTION

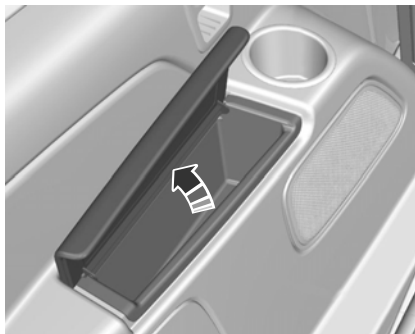


Do not exceed the maximum permissible loads of 1 kilogramme (2.2 pounds) for the smaller compartment and 2 kilogrammes (4.4 pounds) for the larger compartment.



E73067

Rear storage compartment



E72982

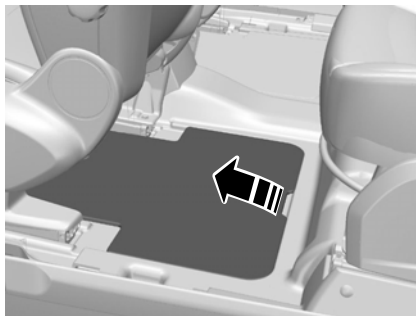
Convenience features

Under floor storage compartment

WARNING

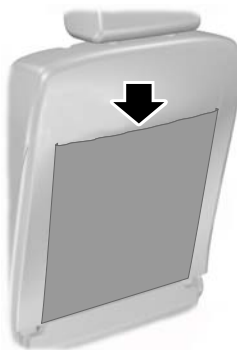


When you are using a child restraint with a support leg on a second row seat, make sure that you locate the support leg securely on the under floor storage compartment lid. Make sure that you install the foam spacer correctly inside the storage compartment and that you position the lid correctly.



E72585

MAP POCKETS



E74686

SEAT BACK TRAYS

WARNING



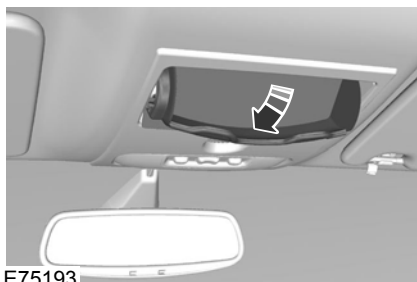
Do not use the trays when the vehicle is moving. Make sure that you secure the trays in the lowered position before setting off.



E72630

Convenience features

GLASSES HOLDER



E75193

MEMORY FUNCTION

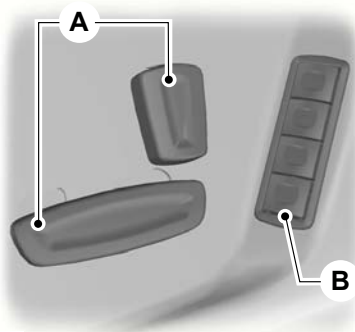
WARNINGS



Before activating the seat memory, make sure that the area immediately surrounding the seat is clear of obstructions and that all occupants are clear of moving parts.



Do not use the memory store function when the vehicle is moving.



E86768

A Seat adjustment controls See **Electric seats** (page 116).

B Memory pre-set buttons

Up to four different driver's seat and exterior mirror positions can be stored in the memory. Your preferred setting for the reverse mirror dipping feature can also be stored. See **Electric exterior mirrors** (page 72).

Setting a memory pre-set

Passive setting

The vehicle stores the seating and mirror positions for up to four remote controls or passive keys. Next time the vehicle is unlocked, the position of the seat and mirrors will adjust to the last used position.

Each time you turn the ignition off, the current seat and mirror settings are stored on the remote control or passive key used.

Active setting

1. Turn the ignition on.
2. Adjust the seat and exterior mirrors to the desired position.

Convenience features

3. Press and hold the desired pre-set button **B** until a single chime sounds to confirm.

Recalling a stored seat position

Note: To stop seat movement during a recall, press any driver seat adjustment control, any of the memory buttons or any mirror control switch. Seat movement will also stop if you move the vehicle.

Passive recall

Note: If more than one passive key is in range, the memory function will move to the settings of the first key stored.

When you unlock the vehicle with the remote control or pull the driver door handle with a passive key in range, the seat and mirrors will move to the position stored on that remote control or passive key.

Active recall

Press the pre-set button associated with the desired driving position. The seat and mirrors will move to the position stored on that pre-set.

CHILDMINDER MIRROR

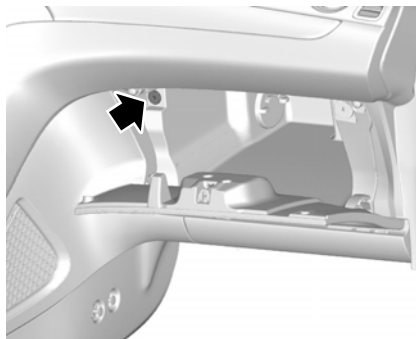


E75192

CD CHANGER

This is located under the front passenger seat.

AUXILIARY INPUT (AUX IN) SOCKET

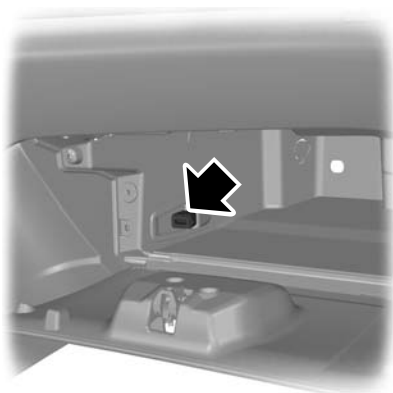


E71969

See separate audio handbook.

Convenience features

USB PORT



E104423

See **Connectivity** (page 269).

Starting the engine

GENERAL INFORMATION

General points on starting

If the battery has been disconnected the vehicle may exhibit some unusual driving characteristics for approx. 8 kilometres (5 miles) after reconnecting the battery.

This is because the engine management system must realign itself with the engine. Any unusual driving characteristics during this period may be disregarded.

Starting the engine by towing or pushing

WARNING



To prevent damage you must not push or tow start your vehicle. Use booster cables and a booster battery. See **Using booster cables** (page 220).

IGNITION SWITCH

WARNING



Never return the key to the **O** position when the vehicle is in motion.



E72128

O The ignition is off.

I The ignition and all main electrical circuits are disabled.

Note: Do not leave the ignition key in this position for too long to avoid discharging the battery.

II The ignition is switched on. All electrical circuits are operational. Warning lamps and indicators illuminate. This is the key position when driving. You must also select it when being towed.

III The starter motor is activated. Release the key as soon as the engine starts.

STEERING WHEEL LOCK

WARNING



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

Vehicles without keyless starting

To activate the steering wheel lock;

1. Remove the key from the ignition switch.
2. Turn the steering wheel.

Vehicles with keyless starting

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

The steering wheel lock is activated if the ignition is off, the engine not running and your vehicle is stationary.

The steering wheel lock is deactivated when the ignition is switched on.

STARTING A PETROL ENGINE

Note: You can only operate the starter for a maximum of 30 seconds at a time.

Starting the engine

Cold or hot engine

All vehicles

CAUTION



When the temperature is below -20°C (-4°F), switch the ignition on for at least one second before starting the engine. This will make sure that the maximum fuel pressure is established for starting the engine.

Vehicles with manual transmission

Note: *Do not touch the accelerator pedal.*

1. Fully depress the clutch pedal.
2. Start the engine.

Vehicles with automatic transmission

Note: *Do not touch the accelerator pedal.*

1. Select park or neutral.
2. Fully depress the brake pedal.
3. Start the engine.

All vehicles

If the engine does not start within 15 seconds, wait for a short period and try again.

If the engine does not start after **three** attempts, wait 10 seconds and follow the **Flooded engine** procedure.

If you have difficulty starting the engine when the temperature is below -25°C (-13°F), press the accelerator pedal between ¼ to ½ of its travel and try again.

Flooded engine

Vehicles with manual transmission

1. Fully depress the clutch pedal.

2. Fully depress the accelerator pedal and hold it there.
3. Start the engine.

Vehicles with automatic transmission

1. Select park or neutral.
2. Fully depress the accelerator pedal and hold it there.
3. Fully depress the brake pedal.
4. Start the engine.

All vehicles

If the engine does not start, repeat the **Cold or hot engine** procedure.

Engine idle speed after starting

The speed at which the engine idles immediately after starting will vary depending on the engine temperature.

If the engine is cold then the idle speed will automatically be increased in order to heat the catalytic converter as quickly as possible. This ensures that vehicle emissions are kept to an absolute minimum.

The idle speed will slowly decrease to the normal level as the catalytic converter warms up.

STARTING A PETROL ENGINE - FLEXIBLE FUEL

For general information on starting a petrol engine. See **Starting a petrol engine** (page 134).

Starting the engine

Starting at low ambient temperatures

When the temperature is lower than -10°C (14°F) and the vehicle is filled with E85, an engine block heater should be used to facilitate starting. See **Engine heater** (page 137). Failure to do this will result in a non start.

If the temperature is expected to remain below -10°C (14°F), it is recommended that you increase the proportion of petrol in the tank by topping up with 95 octane unleaded petrol if the tank is not already full. About 10 litres (2.2 gallons) of petrol will reduce the proportion of E85 in a $\frac{3}{4}$ full tank from 85% to 70% and will considerably improve cold start capability.

If, at very low temperatures, the tank is filled with only E85 and there is no way to use an engine block heater, you may experience difficulties starting the engine.

If the engine fails to start, proceed as follows:

1. Fully depress the accelerator pedal.
2. Turn the ignition key to position III.

CAUTION



Release the ignition key as soon as the engine has started.

3. Gradually release the accelerator pedal after 5 seconds of engine cranking or as the engine speed rises.

If the engine fails to start, repeat steps 1, 2 and 3, or connect an engine block heater for two hours before attempting another start.

During starting, the fuel injectors are turned off as long as the accelerator pedal is depressed. This can be used to drain excessive fuel from the intake manifold after several unsuccessful starting attempts.

If the battery has been disconnected or after the fuel type has been changed, the idle speed may be irregular. This will improve after 10 to 30 seconds.

STARTING A DIESEL ENGINE

Cold or hot engine

All vehicles

Note: When the temperature is below -15°C (5°F), you may need to crank the engine for up to 25 seconds. If you consistently operate the vehicle in such temperatures, we recommend that you have an engine block heater fitted.

Note: Continue cranking the engine until it starts.

Note: You can only operate the starter for a maximum of 30 seconds at a time.



Switch the ignition on and wait until the glow plug indicator goes off.

Vehicles with manual transmission

Note: Do not touch the accelerator pedal.

1. Fully depress the clutch pedal.
2. Start the engine.

Vehicles with automatic transmission

1. Select park or neutral.
2. Fully depress the brake pedal.
3. Start the engine.

Starting the engine

DIESEL PARTICULATE FILTER (DPF)

The DPF forms part of the emissions reduction systems fitted to your vehicle. It filters harmful diesel particulates (soot) from the exhaust gas.

Regeneration

WARNING



Do not park or idle your vehicle over dry leaves or dry grass or other combustible material. The regeneration process requires 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.

Unlike a normal filter which requires periodic replacement, the DPF has been designed to regenerate, or clean itself to maintain operating efficiency. The regeneration process takes place automatically. However, some driving conditions mean that you may need to support the regeneration process.

If you drive only short distances or your journeys contain frequent stopping and starting, you must initiate the regeneration process if the information message

DIESEL FILTER OVERLOADED appears. See **Information messages** (page 94). When safe to do so:

- Drive your vehicle on a free flowing journey for up to 20 minutes, avoiding prolonged idling.
- Do not switch off the ignition.

This process may have to be repeated. The warning message will disappear when the regeneration process is successful.

SWITCHING OFF THE ENGINE

Vehicles with a turbocharger

CAUTION



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 HEATER

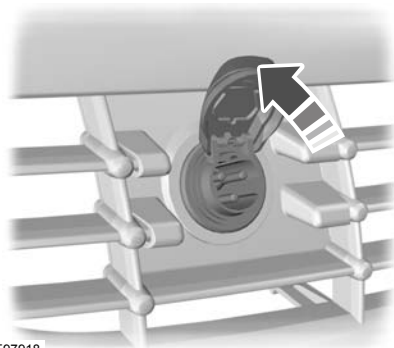
CAUTION



Make sure you disconnect the power cable from the engine heater connector before driving away.

Note: Only use the engine heater in temperatures below -10°C (14°F).

Note: The engine heater connector is located in the radiator grille at the front of your vehicle.



E97918

Starting the engine

Connect the engine heater for 2 to 3 hours before starting the engine.

Fuel and refuelling

SAFETY PRECAUTIONS

WARNINGS



Stop refuelling 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 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.

FUEL QUALITY - PETROL

Note: We recommend that you use only high quality fuel without additives or other engine treatments.

CAUTION



Do not use leaded petrol or petrol with additives containing other metallic compounds (e.g. manganese-based). They could damage the emission system.

Use **minimum 95 octane unleaded** petrol that meets the specification defined by **EN 228**, or equivalent.

FUEL QUALITY - FLEXIBLE FUEL

WARNINGS



Do not modify the fuel system configuration or the components in the system.



Do not replace the fuel system or the components with parts not specially designed to be used with bio ethanol.

CAUTIONS



Do not use leaded petrol or petrol with additives containing other metallic compounds (e.g. manganese-based). They could damage the emission system.



Do not use methanol instead of bio ethanol E 85

Note: We recommend that you use only high quality fuel without additives or other engine treatments.

Note: When using bio ethanol E 85, you may experience a higher fuel consumption.

Note: The correct fuel type for your vehicle is shown on a decal on the inside of the fuel filler flap.

Note: Your vehicle will operate well on commercial quality 95 octane unleaded petrol, but only high quality bio ethanol E 85 offers the same protection and performance.

Use **minimum 95 octane unleaded** petrol that meets the specification defined by **EN 228**, or equivalent. You can also use a mixture of unleaded petrol and bio ethanol E 85.

Long-term storage

Due to small amounts of corrosive impurities that may be found in the bio ethanol E 85, it is recommended that you fill the tank with only 95 octane unleaded petrol prior to long-term storage of your vehicle.

FUEL QUALITY - DIESEL

Note: We recommend that you use only high quality fuel without additives or other engine treatments.

Fuel and refuelling

WARNING



Do not mix diesel with oil, petrol or other liquids. This could cause a chemical reaction.

CAUTION



Do not add kerosene, paraffin or petrol to diesel. This could cause damage to the fuel system.

Note: We do not recommend the prolonged use of additives intended to prevent fuel waxing.

Use diesel that meets the specification defined by **EN 590**, or equivalent.

You can use diesel that contains up to 5% RME (bio diesel).

CATALYTIC CONVERTER

Driving with a catalytic converter

CAUTIONS



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 **Using booster cables** (page 220).



Do not switch the ignition off when driving.

Parking

WARNING

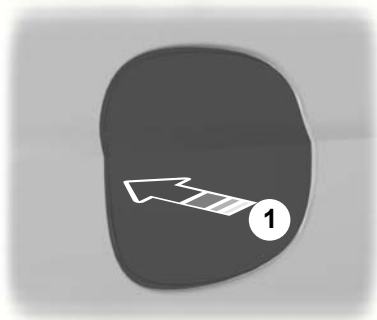


Do not park your vehicle over dry leaves or dry grass. The exhaust will continue to radiate a considerable amount of heat after you have switched the engine off. This is a potential fire hazard.

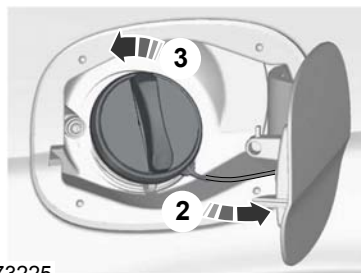
FUEL FILLER FLAP

Note: Central locking also locks and unlocks the fuel filler flap. See **Locking and unlocking** (page 35).

Note: It is normal to hear a hissing noise when you remove the filler cap.



E94744




E73225

Fuel and refuelling

To close, turn the cap clockwise until it clicks.


REFUELLING

CAUTION

 Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have the system checked by a properly trained technician immediately.

REFUELLING - FLEXIBLE FUEL

CAUTION

 Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have the system checked by a properly trained technician immediately.

After refuelling, allow 5 minutes of normal engine operation above 48 km/h (30 mph) to reduce the risk of an increased engine restart time.

FUEL CONSUMPTION

The CO₂ and fuel consumption figures are derived from laboratory tests according to EEC Directive 80/1268/EEC and subsequent amendments and are carried out by all vehicle manufacturers.

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 including; driving style, high speed driving, stop/start driving, air conditioning usage, the accessories fitted and towing etc.

Your Ford dealer can give you advice on improving your fuel consumption.

TECHNICAL SPECIFICATIONS

S-MAX

Fuel consumption figures

Variant	Urban	Extra-urban	Combined	CO ₂ emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
2.0L Duratec	11.0 (25.7)	6.4 (44.1)	8.1 (34.9)	194
2.3L Duratec-HE (161 PS), 6-speed automatic transmission	13.7 (20.6)	7.4 (38.2)	9.7 (29.1)	232
2.5L Duratec, Durashift 6-speed manual transmission	13.3 (21.2)	7.1 (39.8)	9.4 (30.1)	224

Fuel and refuelling

Variant	Urban	Extra-urban	Combined	CO2 emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
1.8L Duratorq-TDCi	7.9 (35.8)	5.2 (54.3)	6.2 (45.6)	164
2.0L Duratorq-TDCi, Duras-hift 6-speed manual transmission	7.7 (36.7)	5.0 (56.5)	6.0 (47.1)	159
2.0L Duratorq-TDCi (140 PS), 6-speed automatic transmission	9.9 (28.5)	5.8 (48.7)	7.3 (38.7)	193
2.2L Duratorq-TDCi, Duras-hift 6-speed manual transmission	9.0 (31.4)	5.2 (54.3)	6.6 (42.8)	176

Galaxy

Fuel consumption figures

Variant	Urban	Extra-urban	Combined	CO2 emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
2.0L Duratec	11.2 (25.2)	6.5 (43.5)	8.2 (34.5)	197
2.3L Duratec-HE (161 PS), 6-speed automatic transmission	13.8 (20.5)	7.5 (37.7)	9.8 (28.8)	235
1.8L Duratorq-TDCi (125 PS), Durashift 6-speed manual	8.0 (35.3)	5.3 (53.3)	6.3 (44.8)	166
1.8L Duratorq-TDCi	8.0 (35.3)	5.2 (54.3)	6.2 (45.6)	165
2.0L Duratorq-TDCi, Duras-hift 6-speed manual transmission	7.7 (36.7)	5.0 (56.5)	6.0 (47.1)	159
2.0L Duratorq-TDCi (140 PS), 6-speed automatic transmission	10 (28.3)	5.9 (47.9)	7.4 (38.2)	196

Fuel and refuelling

Variant	Urban	Extra-urban	Combined	CO2 emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
2.2L Duratorq-TDCi, Duras-hift 6-speed manual transmission	9.1 (31.0)	5.3 (53.3)	6.7 (42.2)	179

Transmission

MANUAL TRANSMISSION

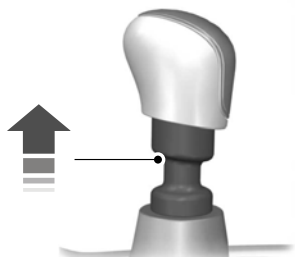
All vehicles

CAUTIONS

- ⚠ Do not engage reverse gear when the vehicle is moving. This can cause damage to the transmission.
- ⚠ Do not apply any undue lateral force to the gear lever when changing from 5th to 4th gear. This could lead to the inadvertent selection of 2nd gear and can cause damage to the transmission.

Selecting reverse gear

On some vehicles it is necessary to raise the collar whilst selecting reverse gear.



E99067

AUTOMATIC TRANSMISSION

Selector lever positions



E80836

- | | |
|---|--------------------------------|
| P | Park |
| R | Reverse |
| N | Neutral |
| D | Drive |
| S | Sport mode and manual shifting |

WARNING



Apply the brakes before moving the selector lever and keep them applied until you are ready to move off.

Note: A cold engine has a higher idle speed. This will increase the tendency for your vehicle to **creep** when you have selected a drive gear.

Press the button on the selector lever to select reverse and park.

The selector lever position will be shown in the information display.

Transmission

Park

WARNINGS



Select park only when your vehicle is stationary.



Apply the parking brake and select park before leaving your vehicle. Make sure that the selector lever is latched in position.

Note: An audible warning will sound if you open the driver's door and you have not selected park.

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

Reverse

WARNING



Select reverse only when your vehicle is stationary and the engine is at idle speed.

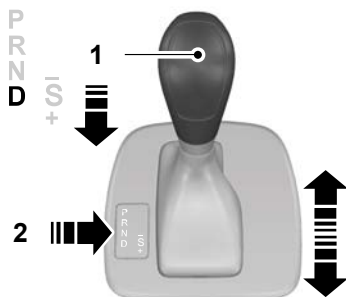
Neutral

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

Drive

Select drive to shift automatically through the forward gears.

Sport mode and manual shifting



E80837

Note: A shift will occur only when the vehicle speed and the engine speed are appropriate.

Note: When you select position **S**, a gear change may occur depending on the accelerator pedal position in relation to actual vehicle speed.

Activate sport mode by moving the selector lever to position **S**. Sport mode will remain active until you shift manually up or down the gears.

Select manual shifting to shift manually through the forward gears. Push the selector lever forwards to shift down and pull it backwards to shift up.

Drive modes

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

Hints on driving with an automatic transmission

Moving off

1. Release the parking brake.

Transmission

2. Release the brake pedal and press the accelerator pedal.

Stopping

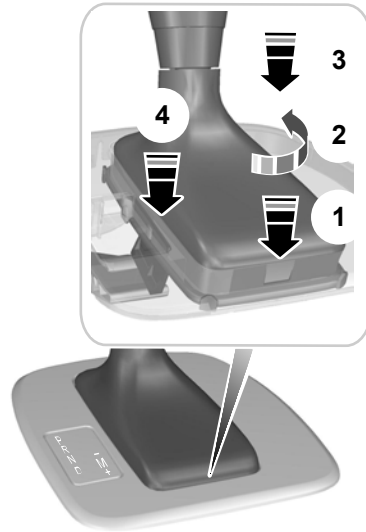
1. Release the accelerator pedal and press the brake pedal.
2. Apply the parking brake.

Kickdown

Press the accelerator pedal fully with the selector lever in the drive position to select the next lowest gear for optimum performance. Release the accelerator pedal when you no longer require kickdown.

Emergency park position release lever

Use the lever to move the selector lever from the park position in the event of an electrical malfunction or if your vehicle has a flat battery.



E81705

1. Insert a flat-bladed screwdriver into the slot.
2. Turn the screwdriver through 90 degrees.
3. Push downwards on the screwdriver to detach the gaiter frame from the trim panel.
4. Push downwards on the gaiter frame to release the lever and move the selector lever from the park position.
5. Pull upwards on the gaiter until the gaiter frame engages in the trim panel.

Brakes

PRINCIPLE OF OPERATION

Disc brakes

Wet brake discs result in reduced braking efficiency. Dab the brake pedal when driving from a car wash to remove the film of water.

ABS

WARNING



The ABS does not relieve you of your responsibility to drive with due care and attention.

The ABS helps you to maintain full steering and directional stability when you brake heavily in an emergency, by preventing the road wheels from locking.

HINTS ON DRIVING WITH ABS

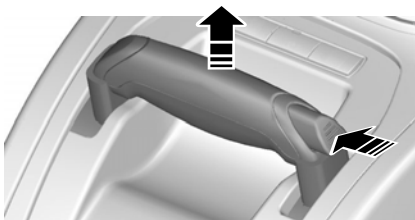
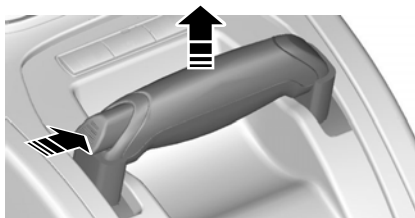
When the ABS is operating, the brake pedal will pulse. This is normal. Maintain pressure on the brake pedal.

The ABS will not eliminate the dangers inherent when:

- you drive too close to the vehicle in front of you.
- the vehicle is aquaplaning.
- you take corners too fast.
- the road surface is poor.

PARKING BRAKE

Applying the parking brake



E73224

WARNING



Make sure that the parking brake is applied before you release the lever.

Note: Do not press the release button when you apply the parking brake.

1. Press the brake pedal firmly.
2. Pull the parking brake lever upwards to its fullest extent.

Brakes

Parking on a hill

If you have to park facing uphill, select first gear and turn the front wheels away from the kerb. If you have to park facing downhill, select reverse gear and turn the front wheels towards the kerb.

Releasing the parking brake

1. Press the brake pedal firmly.
2. Pull the parking brake lever upwards slightly, press the release button and push the lever downwards.

ELECTRIC PARKING BRAKE (EPB)

The electric parking brake (EPB) replaces the conventional handbrake. It is operated by a switch located in the centre console.

WARNINGS



Always apply the EPB and select first or reverse gear before leaving the vehicle.



Vehicles with automatic transmission should always be left with the selector lever in position **P**.

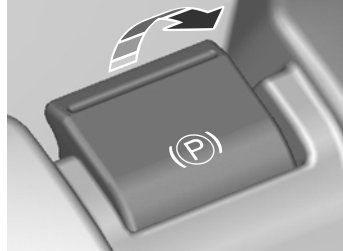
Note: Under certain conditions for example on a steep hill, when the vehicle has been parked with the EPB applied, the EPB performs an automatic re-clamp function. This will occur approximately three minutes after the EPB has been applied.

Note: You may notice various noises when the EPB is applied and released. This is normal and no cause for concern.

Parking on a hill

If you have to park facing uphill, select first gear and turn the front wheels away from the kerb. If you have to park facing downhill, select reverse gear and turn the front wheels towards the kerb.

Applying the EPB



E70528

Pull up the switch once to apply the EPB.

The brake system warning lamp illuminates to confirm that the EPB is now applied.

Note: The brake system warning lamp will remain illuminated for a short period if you turn the ignition to position **O** or remove the key.

Automatic application of the EPB

WARNING



The EPB will not automatically apply on vehicles with a keyless start or keyless entry system. You must apply the EPB using the EPB switch.

When you turn the ignition off, the cluster will remain on for several minutes.

The EPB will automatically apply when you remove the key from the ignition during this period.

Brakes

Preventing automatic application of the EPB

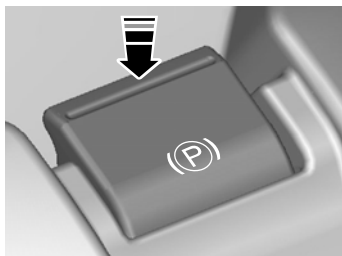
WARNINGS



Do not leave the vehicle if you have not applied the EPB. Remember that if you press down the switch while removing the key from the ignition (on vehicles with a keyless entry system, when pulling the ignition switch out), the EPB will not be applied.



Make sure that the vehicle's wheels are securely wedged if you park the vehicle with the EPB released to prevent it from rolling away.



E70529

Hold the switch pressed while you switch off the ignition or while you remove the key from the ignition.

WARNING



If you prevented the EPB from applying while turning off the ignition, it will remain off when you remove the key.

Applying the EPB when the vehicle is moving

WARNING



With the exception of emergency conditions (for example, the brake pedal does not work or is blocked), do not apply the EPB while the vehicle is moving. On bends, on poor road surfaces or weather conditions, emergency braking can cause the vehicle to skid out of control or off the road.

If you apply the EPB while the vehicle is moving, the brake system warning lamp illuminates and a warning chime will sound.

At speeds above 6 km/h (4 mph), the braking force is applied as long as you hold the switch in the on position. The EPB will be applied until you release or press down the switch, or press the accelerator pedal further.

Releasing the EPB

Automatic release - drive away release (DAR)

Note: On vehicles with automatic transmission, the driver's door must be closed and the driver's seatbelt must be fastened before the DAR will operate.

Note: If the EPB warning lamp stays illuminated the EPB will not automatically release. You must release the EPB using the EPB switch.

Note: The engine must be running and the accelerator pedal must be pressed before the DAR will operate.

Note: The clutch pedal must be fully depressed before the DAR will operate.

Engage first or reverse gear, move off as normal using the accelerator and clutch pedals and the EPB will be automatically released.

Brakes

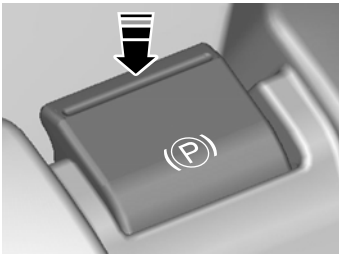
The brake system warning lamp will go off to confirm that the EPB has been released.

Note: *On vehicles with manual transmission, if the gear lever is in neutral when you release the clutch pedal and depress the accelerator pedal, the EPB will be released automatically.*

Note: *The EPB also makes moving off on a slope easier and prevents the vehicle from rolling in an undesired direction. The brakes are released automatically once the clutch is engaged and the engine has developed sufficient drive to prevent the 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.*

Manual release

Note: *To release the EPB, the ignition must be in position II.*



E70529

Hold the brake or clutch pedal depressed and press down the switch.

The brake system warning lamp will go off to confirm that the EPB has been released.

Moving off with a trailer (vehicles with manual transmission)

Depending on the gradient and the weight of the trailer, the vehicle and trailer may roll backwards slightly when you move off on a slope. To prevent this happening, deactivate the DAR and release the EPB manually as follows:

1. Pull up the switch and hold it in this position.
2. Move off as normal and then press down the switch when you notice that the engine has developed sufficient driving force.

Cut in the power supply

WARNING



You will not be able to apply or release the EPB if there is a cut in the power supply, for example a flat battery, failure of the alternator or vehicle electronics.

If the battery is flat, use booster cables and a booster battery. See **Using booster cables** (page 220).

Stability control

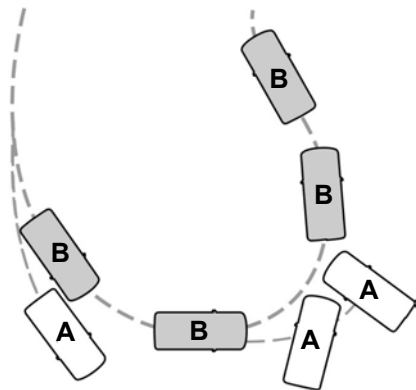
PRINCIPLE OF OPERATION

Electronic stability programme (ESP)

WARNING



ESP does not relieve you of your responsibility to drive with due care and attention.



E72903

- A without ESP
- B with ESP

The ESP supports stability when the vehicle starts to slide away from your intended path. This is performed by braking individual wheels and reducing engine torque as needed.

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 (ESP) warning lamp

The ESP warning lamp will flash when the system is operating. See **Warning lamps and indicators** (page 78).

Emergency brake assist

WARNING



Emergency brake assist does not relieve you of your responsibility to drive with due care and attention.

Emergency brake assist will detect when you brake heavily by measuring the rate at which you press the brake pedal. It will provide maximum braking efficiency as long as you press the pedal. Emergency brake assist can reduce stopping distances in critical situations.

USING STABILITY CONTROL



Press and hold the switch for one second. The switch will illuminate. A message will be shown in the display. See **Information messages** (page 94).

Press the switch again to turn the system on. The system will be switched on automatically every time you switch the ignition on.

Hill launch assist (HLA)

PRINCIPLE OF OPERATION

The hill launch assist (HLA) system makes it easier to pull away when the vehicle is on a slope without the need to use the parking brake.

When the HLA is active, the vehicle will remain stationary on the slope for two to three seconds after you release the brake pedal. During this time, you have time to move your foot from the brake to the accelerator pedal and pull away. The brakes are released automatically once the engine has developed sufficient drive to prevent the 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.

WARNING



The HLA does not replace the parking brake. When you leave the vehicle, always apply the parking brake and select first or reverse gear.

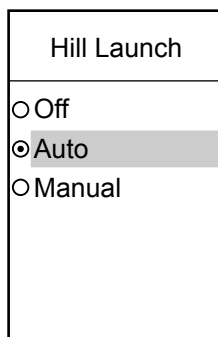
USING HLA

The HLA can operate in either automatic or manual mode. If you select automatic mode, the HLA is activated automatically when the vehicle is on a slope and you press the brake pedal. If you select manual mode, you must activate the HLA using the brake pedal.

To set the HLA mode:



E70499



E74629

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down buttons and press the right arrow button.
3. Highlight **Hill Launch** and press the right arrow button.
4. Highlight the desired setting and press the **OK** button to confirm the setting. If **Off** is selected, the HLA is switched off and cannot be activated either automatically or manually.
5. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Hill launch assist (HLA)

Note: When HLA is in manual activation mode, only use the HLA when pulling away uphill on gradients greater than 3%. If the vehicle is on the flat or on a downhill slope, an active HLA will make it difficult to pull away smoothly.

Activating the HLA

WARNINGS



You must remain in the vehicle once you have activated the HLA. Any attempt to leave the vehicle will deactivate the HLA automatically.



The HLA is active only if the message **Hill Launch Assist active** is displayed in the information display. During all times you are responsible for controlling the vehicle, supervising the HLA and intervening, if required.

You can activate the HLA only if the following conditions have been met:

- The engine is running.
- The HLA is switched on (automatic or manual mode).
- The parking brake or electric parking brake (EPB) is fully disengaged.
- On vehicles with manual transmission, the clutch pedal is pressed.
- On vehicles with automatic transmission, the driver's door is closed.
- No failure mode is present.

To activate the HLA in automatic mode:

1. Press the brake pedal to bring the vehicle to a complete standstill. Keep the brake pedal depressed.
2. If the sensors detect that the vehicle is on a slope and the right driving direction is selected (first gear if the vehicle is pointing uphill, reverse gear if the vehicle is pointing downhill), the HLA will be activated automatically.

Hill Launch Assist active is displayed in the information display.

3. When you remove your foot from the brake pedal, the vehicle will remain on the slope without rolling away for approximately two to three seconds.
4. Drive off in the normal manner. The brakes will be released automatically.

To activate the HLA in manual mode:

1. Press the brake pedal to bring the vehicle to a complete standstill. Keep the brake pedal depressed.
2. Quickly jab the brake pedal further until you hear a chime and **Hill Launch Assist active** is displayed in the information display. The HLA is now active.
3. When you remove your foot from the brake pedal, the vehicle will remain on the slope without rolling away for approximately two to three seconds.
4. Drive off in the normal manner. The brakes will be released automatically.

Hill launch assist (HLA)

WARNING



When HLA is active and the system detects a malfunction, the HLA is deactivated and the message

Please use park brake! followed by **Hill Launch A .not available** is displayed in the information display. The vehicle is still safe to be driven and can be repaired during the next service. The message **Hill Launch A .not available** is also displayed in the information display with manual activation during a malfunction or if one of the activation criteria is not met. If you have switched the HLA off, no messages will be displayed.

Deactivating the HLA

To deactivate the HLA, perform **one** of the following:

- Apply the parking brake or electric parking brake (EPB) .
- Wait for two to three seconds until the HLA deactivates automatically.
- If a forward gear was selected when the HLA became active, select reverse gear.
- If reverse gear was selected when the HLA became active, select a forward gear.

Hill Launch Assist off is displayed in the information display.

Active suspension

PRINCIPLE OF OPERATION

The active suspension provides improved handling, comfort and stability by continuously adjusting the damper properties to the current road and driving conditions. This system in conjunction with the ABS system offers the benefit of potentially shorter stopping distances on rough road surfaces.

Depending on your preferences and driving style, you can choose between three different settings:

Comfort

This provides a softer driving feel.

Normal

Normal setting.

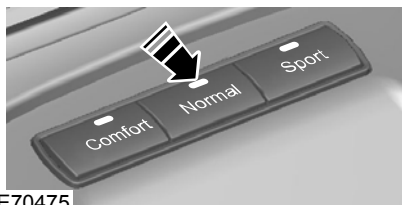
Sport

This provides a harder, sportier ride.

USING ACTIVE SUSPENSION

Selecting a setting

Note: After you select a setting, you may not immediately notice a difference in the vehicle's handling. The effect of the continuously controlled damping depends on the road surface and driving conditions.



E70475

You can change the setting while driving.

System malfunction

The active suspension system will switch off automatically if it malfunctions. The suspension will be set to a fail-safe condition that will enable you to continue driving but you will not be able to change the suspension setting. Have this checked as soon as possible.

Parking aid

PRINCIPLE OF OPERATION

WARNING



The parking aid does not relieve you of your responsibility to drive with due care and attention.

CAUTIONS



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 sensors may not detect objects that are close to the vehicle (approximately 30 centimetres [11 inches] to the rear and above or below the sensors).



If you use a high pressure spray to wash your vehicle, only spray the sensors briefly from a distance not less than 20 centimetres (8 inches).

Note: The parking aid may emit false tones if it detects a signal using the same frequency as the sensors or if the vehicle is fully laden.

Note: The outer sensors may detect the side walls of a garage. If the distance between the outer sensor and the side wall remains constant for three seconds, the tone will switch off. As you continue, the inner sensors will detect rearward objects.

USING THE PARKING AID

Note: Keep the sensors free from dirt, ice and snow. Do not clean with sharp objects.

Switching the parking aid on and off

Note: The parking aid switches off automatically when you start the engine or when you exceed 16 km/h (10 mph).

Note: Vehicles fitted with a trailer tow module not approved by us may not correctly detect obstacles.

Note: On vehicles fitted with a tow ball arm, the rear sensors are deactivated automatically when any trailer lamps (or lighting boards) are connected to the 13-pin socket via a trailer tow module we have approved. On vehicles fitted with a trailer tow module not approved by us, you have to switch the parking aid off using the switch.

Note: The front and rear sensors are always activated or deactivated together.

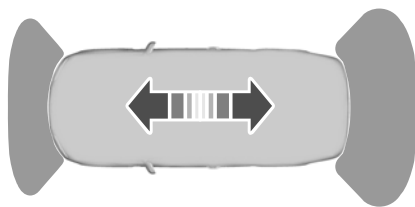
Note: On vehicles fitted with automatic transmission, the parking aid will not operate in position **P**.

The parking aid is per default off. To switch the parking aid on, press the switch in the instrument panel or select reverse gear.

The light in the switch illuminates when the parking aid is activated.

To turn it off, press the switch again.


Manoeuvring with the parking aid




E72902

Parking aid

CAUTIONS

 The parking aid does not detect obstacles moving away from the vehicle. They will only be detected shortly after they start to move towards the vehicle again.

 Take particular care when reversing with a tow ball arm or rear fitted accessories e.g. a bicycle carrier, as the rear parking aid will only indicate the distance from the bumper to the obstacle.

Note: *If a high pitch warning tone sounds for three seconds and the light in the switch is flashing, it indicates a malfunction. The system will be disabled. Have the system checked by properly trained technicians.*

You will hear an intermittent tone at a distance of up to 180 centimetres (71 inches) between the obstacle and rear bumper, 80 centimetres (31 inches) between the obstacle and front bumper and 60 centimetres (24 inches) to the side. Decreasing the distance accelerates the intermittent tone. A continuous tone will start at a distance of less than 30 centimetres (11 inches).

You will hear an alternating tone from the front and rear if obstacles are closer than 30 centimetres (11 inches) to the front and rear bumpers.

Cruise control

PRINCIPLE OF OPERATION

Cruise control allows you to control your speed using the switches on the steering wheel. You can use cruise control when you exceed 30 km/h (20 mph).

USING CRUISE CONTROL

WARNING



Do not use cruise control in heavy traffic, on twisty roads or when the road surface is slippery.

Press the **SET+** switch or the **SET-** switch to store and maintain your current speed. The cruise control indicator illuminates.

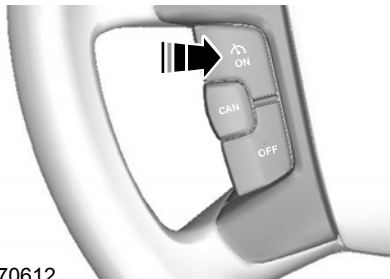
Changing the set speed

WARNING



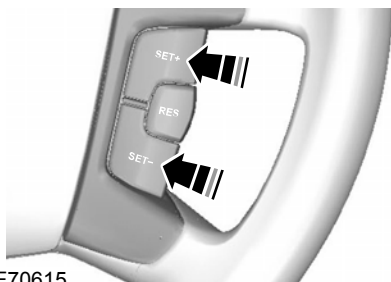
When you are going downhill, your speed may increase above the set speed. The system will not apply the brakes. Change down a gear and press the **RES** switch to assist the system in maintaining the set speed.

Switching cruise control on



E70612

Setting a speed

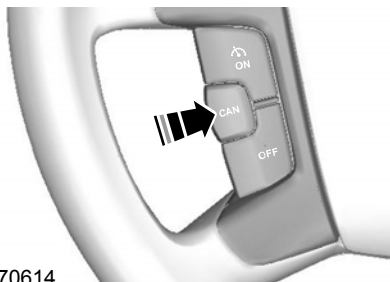


E70615

Note: If you accelerate by pressing the accelerator pedal, the set speed will not change. When you release the accelerator pedal, you will return to the speed that you previously set.

Press the **SET+** switch or the **SET-** switch to accelerate or decelerate.

Cancelling the set speed

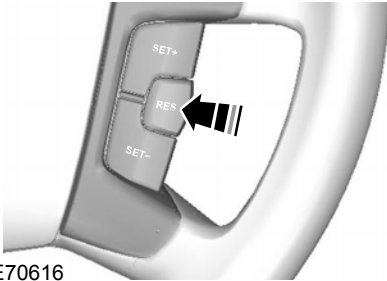


E70614

Press the brake pedal or the **CAN** switch. The system will no longer control your speed. The cruise control indicator will go off but the system will retain the speed that you previously set.

Cruise control

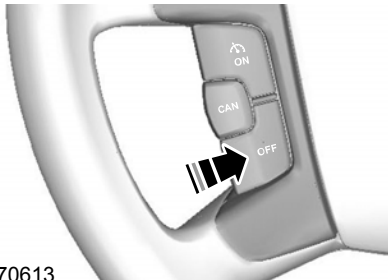
Resuming the set speed



E70616

Press the **RES** switch. The cruise control indicator illuminates and the system will attempt to resume the speed that you previously set.

Switching cruise control off



E70613


Press the **OFF** switch. The system will not retain the speed that you previously set. The cruise control indicator will go off.


Adaptive cruise control (ACC)


PRINCIPLE OF OPERATION


The adaptive cruise control system is designed to help you maintain a gap from the vehicle ahead or a set road speed if there is no slower vehicle ahead. The system is intended to provide enhanced operation of the vehicle when following other vehicles which are in the same lane and travelling in the same direction.


WARNINGS

 Adaptive cruise control is not a collision warning or avoidance system. The separate forward alert function provides a collision warning and mitigation feature. See **Forward alert function** (page 164). You must intervene if the system does not detect a vehicle in front.

 Adaptive cruise control cannot cover all traffic, weather and road conditions.

 When driving you are responsible for maintaining the correct distance and speed, even when adaptive cruise control is used. You must always pay attention to the traffic conditions and intervene when adaptive cruise control is not maintaining a suitable speed or suitable distance.

 The adaptive cruise control does not brake for slow or stationary vehicles.

 When ACC is activated, you may hear some unusual sounds during automatic braking. This is normal and caused by the automatic braking system.

The adaptive cruise control system is based on the use of a radar sensor which projects a beam directly forward of the vehicle. This beam will detect any vehicle ahead within the system's range.

The radar sensor is mounted behind the front grille, immediately to the right of the Ford badge (when viewed from the front of the vehicle).

When using ACC, follow the strict guidelines below:

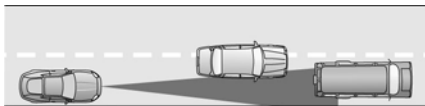
- Only use adaptive cruise control when conditions are favourable, for example on motorways and main roads with steady free flowing traffic.
- Do not use in poor visibility, specifically fog, heavy rain, spray or snow.
- Do not use on icy or slippery roads.
- It is your responsibility to stay alert, drive safely and be in control of the vehicle at all times.
- Keep the front of the vehicle free from dirt, metal badges or objects, including vehicle front protectors and additional lights which may prevent the sensor from operating.
- Do not use ACC when entering or leaving a motorway.

The radar sensor has a limited field of vision. In some situations it may detect a vehicle other than the one expected or not detect any vehicle at all.

Adaptive cruise control (ACC)

Detection beam issues

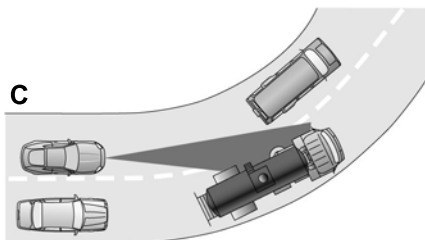
A



B



C



E71621 L

Detection issues can occur:

- When driving on a different line to the vehicle in front (**A**).
- With vehicles that edge into your lane that can only be detected once they have moved fully into your lane (**B**). Motorcycles may be detected late, or not at all.
- There may be issues with the detection of vehicles in front when going into and coming out of a bend (**C**). The detection beam will not follow sharp curves in the road.

WARNING



In these cases ACC may brake late or unexpectedly. The driver should stay alert and intervene if necessary.

Automatic braking with ACC

Adaptive cruise control will automatically brake for you, if required to maintain the set gap between your vehicle and the one detected in front. This braking capacity is limited to approximately 30% of the total manual braking capacity to ensure smooth and comfortable cruising. If the car needs to brake more heavily than this, and you do not intervene by braking manually, an alarm will sound and a warning symbol will be displayed in the cluster.

WARNING



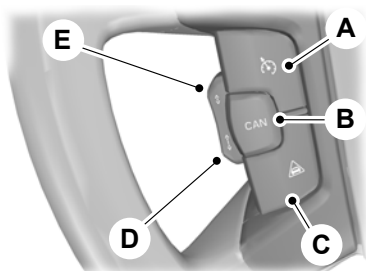
You must take immediate action once alerted, as the ACC braking will not be sufficient to keep a safe distance to the vehicle in front.

USING ACC

The system is operated by adjustment controls mounted on the steering wheel. The system is deactivated when the brakes or clutch are used, the gear selector is moved to a neutral position or if the accelerator pedal is depressed for a longer period. The system will change to standby mode, allowing you full manual control of the vehicle.

Note: If the accelerator is depressed for a short period, for example when overtaking, the system is temporarily deactivated and then reactivated when the accelerator pedal is released. **ACC override** is displayed in the information display.

Adaptive cruise control (ACC)



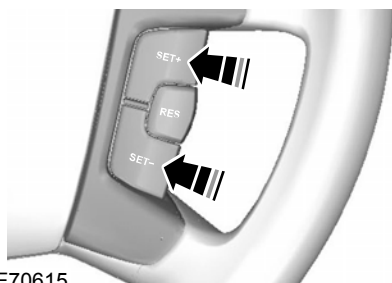
E82310

- A ACC on/off
- B ACC cancel
- C Forward alert on/off
- D ACC gap increase
- E ACC gap decrease

Switching ACC on

Press switch **A**. The system is set to standby mode and **Standby** is displayed in the information display.

Setting a speed



E70615

Note: The system must be in **Standby** mode.

Press the **SET+** switch or the **SET-** switch to select your desired cruise speed. The speed is displayed in the information display and stored as the set speed. The **ACC** indicator illuminates.

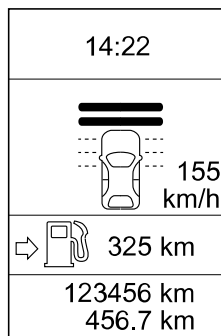
Note: Vehicle speed may be increased and decreased at intervals of 5 km/h or 5 mph. Smaller increases of 1 km/h or 1 mph may be set by pressing the **RES** switch.

Changing the set speed

Press the **SET+** switch or the **SET-** switch to accelerate or decelerate.

Note: If the system does not react to these changes the reason may be that the gap interval to the vehicle in front prevents an increase in speed.

Setting the vehicle gap



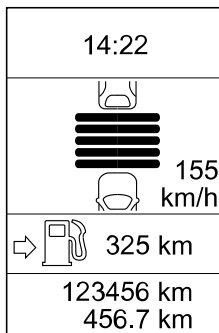
E82311

The distance between you and the vehicle detected in front is maintained by a variable setting. There are five steps which are represented by horizontal bars displayed in the information display. One bar denotes the smallest gap and five bars indicate the largest gap. These bars are shown empty when in standby mode and filled when in active mode.

Adaptive cruise control (ACC)

If no vehicle is detected in front, then only your vehicle is displayed in the information display below the bars. The system will maintain the set speed when conditions permit. The set gap is maintained and displayed.

If a vehicle is detected by the sensor, the display will show another vehicle above the horizontal bars:



E82312

This is a follow mode, and the system will accelerate or decelerate as necessary to maintain the set gap.

Press switch **E** to decrease the gap or switch **D** to increase the gap. The gap selected will be represented by the number of bars in the display. The recommended gap setting is three to five bars.

Note: The gap setting is time dependant and therefore the distance will automatically adjust with your speed. For example on a gap setting of three bars, the time gap is 1.8 seconds. This will mean that at a speed of 100 km/h (62 mph), the distance to the vehicle in front will be maintained at 50 metres (164 feet)

CAUTION

! Use the appropriate gap setting in accordance with local traffic regulations.

Cancelling ACC

Press either the brake or clutch pedal, or switch **B**. The system will return to standby mode but will retain the set speed and gap in the memory. The **ACC** indicator will go off.

Resuming ACC

Press the **RES** switch. The **ACC** indicator illuminates and the system will resume with the previously set speed and vehicle gap setting if conditions permit.

Switching ACC off

Press switch **A**.

Note: Pressing switch **A** does not return the system to standby mode. The stored speed is not retained.

Note: To temporarily deactivate the system press switch **B**.

Automatic deactivation

The system is dependent on various other safety systems, for example ABS and ESP. If any of these systems are malfunctioning or reacting to an emergency, the system is automatically deactivated.

In the event of automatic deactivation a signal will sound and the message **ACC cancel** is displayed in the information display. You must then intervene and adapt your driving and speed to vehicles in front.

An automatic deactivation can be due to the:

Adaptive cruise control (ACC)

- vehicle speed falling below 30 km/h (20 mph)
- wheels lose traction
- brake temperature is high, for example when driving on mountainous or hilly roads
- engine speed is too low
- radar sensor is covered
- parking brake or electric parking brake (EPB) is applied.

If the engine speed drops too low, a message is displayed in the information display instructing you to change down a gear (manual transmission only). If you do not follow this recommendation then the system will go into automatic deactivation mode.

Note: *The system will not operate if the electronic stability programme (ESP) has been manually switched off.*

FORWARD ALERT FUNCTION

The system assists you by warning of the risk of a collision, and reducing the severity of a collision with a vehicle in front. This works by using two methods:

- You are alerted to a potential collision so you may brake earlier than normal.
- Brake support is activated to enable full braking effectiveness.

The collision alerts will only occur if the system is switched on, however the brake support is always on and cannot be turned off. Warnings are both visual and audible. Brake support is activated automatically if necessary to reduce the collision speed. The brake support system only reduces the collision speed if you brake immediately once alerted.

WARNINGS



Never wait for a collision warning. When driving you are responsible for maintaining the correct distance and speed, even when the system is used.



The system will only react to vehicles in front travelling in the same direction and will not react to slow or stationary vehicles.



Never drive in a manner to provoke the system. The system is designed to assist in emergencies only.

The system alerts you by warning chimes and a visual warning in the information display. When forward alert is activated a red flashing warning triangle is displayed in the information display.


Note: *You can deactivate the warning chimes by using the buttons on the steering wheel. See **Audible warnings and indicators** (page 80).*

The system does not operate in all driving situations and traffic, weather and road conditions.

The radar sensor detects vehicles in front that are driving in the same direction as you. If the risk of collision still increases after the initial warning then brake support is activated. Brake support prepares the brake system for rapid braking and the brakes are applied gently, which may be noticed as a slight jerk. If the brake pedal is depressed sufficiently quickly then braking is implemented with full brake function, even if the force on the pedal is light.

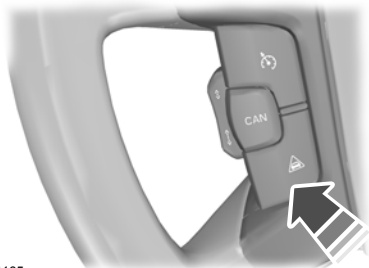
Adaptive cruise control (ACC)

CAUTION

 Warnings may be triggered late, be absent or triggered unnecessarily if the traffic situation means that the radar sensor cannot accurately detect a vehicle in front. The system uses the same radar sensors as adaptive cruise control (ACC) and therefore has the same limitations. See **Principle of operation** (page 160).

Note: *The system may be used with or without the ACC system being activated.*

Switching forward alert on/off



E94165

The indicator will illuminate.

Adjusting the warning sensitivity

You may adjust the system warning sensitivity using the buttons on the steering wheel. See **General information** (page 81).

This controls how early the visual and audible warning is activated.

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 tailgate or rear door open. Exhaust fumes may enter the vehicle.



Do not exceed the maximum front and rear axle loads for your vehicle. See **Vehicle identification** (page 236).

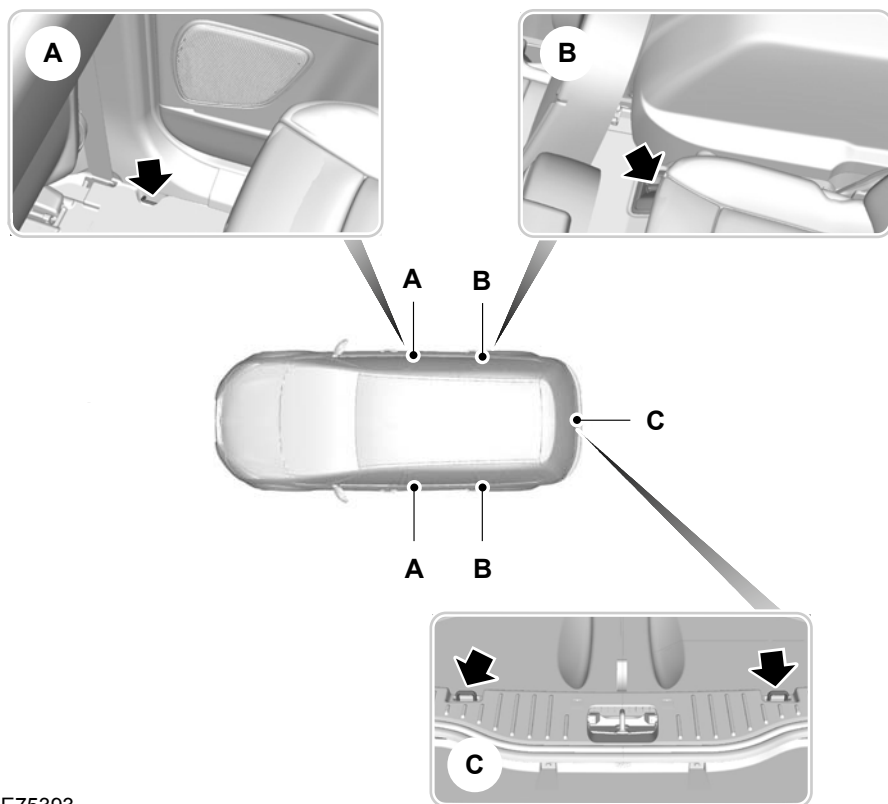


E98626

Load carrying

LUGGAGE ANCHOR POINTS

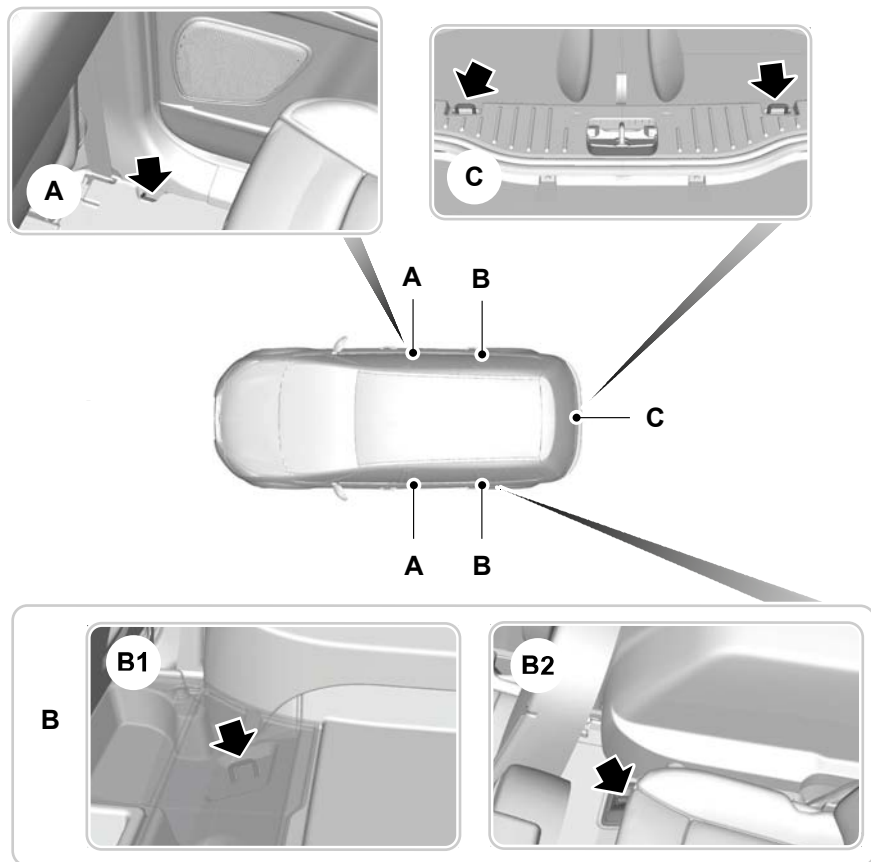
Galaxy



E75393

Load carrying

S-MAX



E75394

- B1 Vehicles without third row seats. Raise the carpet to gain access to the anchor points.
- B2 Vehicles with third row seats

Load carrying

SLIDING LOADSPACE FLOOR

WARNING



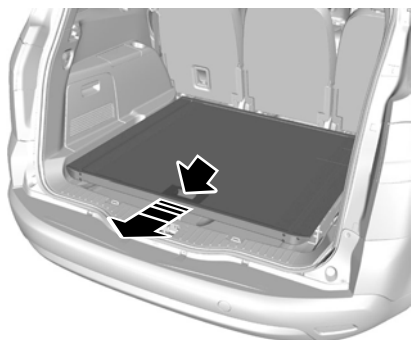
Do not slide the loadspace floor rearwards when the vehicle is standing on an incline of 15 degrees or more and facing uphill.

CAUTION



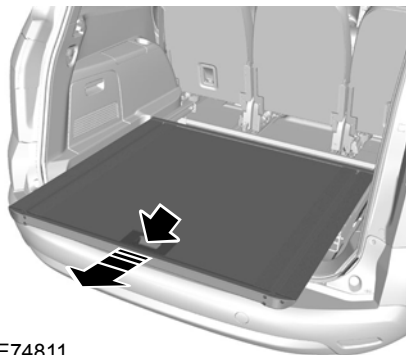
The maximum permissible weight on the sliding loadspace floor is 200 kilogrammes (441 pounds).

The maximum permissible weight on the end of the sliding loadspace floor when the floor is in the fully extended position (slid outside the luggage compartment) is 120 kilogrammes (265 pounds).



E74810

Press the unlocking handle and pull the loadspace floor rearwards. It will stop and engage at a midway position.



E74811

To slide it out fully, press the unlocking handle again and pull it out until it engages in the end position.

To slide it forwards, press the unlocking handle and push it forwards.

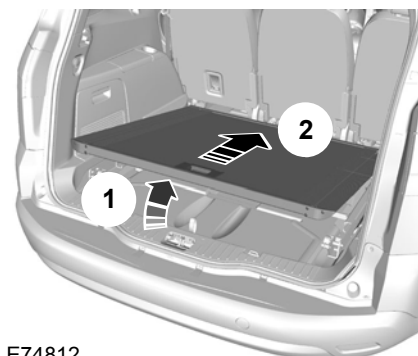
Note: *You do not have to exert as much pressure on the unlocking handle if you push the loadspace floor forwards slightly when operating it.*

Storage compartment

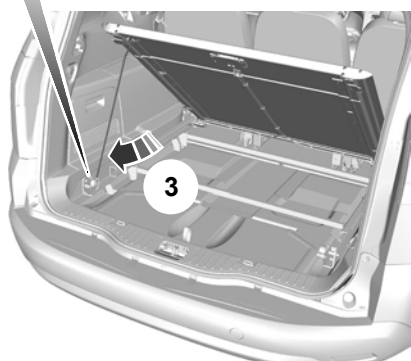
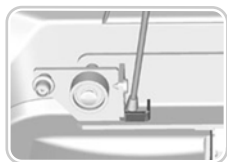
A storage compartment is located in the floor at the rear of the luggage compartment.

To gain access to the storage compartment, lift up the sliding loadspace floor as follows:

Load carrying



E74812



E74813

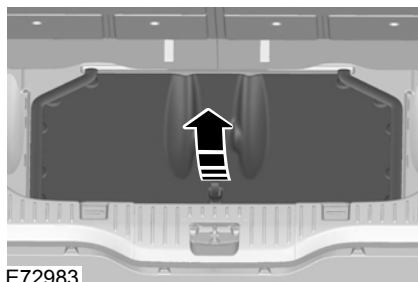
1. Press the unlocking handle and pull the loadspace floor rearwards a short way.
2. Lift up the rear of the floor (1).

3. Push the floor forwards until it engages at the front (2).
4. Release the support leg from the clip on the underside of the floor.
5. Insert the end into the square retainer in the left-hand rail (3).
6. Lift the storage compartment cover using the loop.

To return the loadspace floor to the normal position:

1. Hold the floor with one hand and release the support leg with the other hand.
2. Insert the support leg back into the clip.
3. Lower the floor.
4. Press the unlocking handle and pull the loadspace floor rearwards until it drops into position on the rails.

REAR UNDER FLOOR STORAGE



E72983

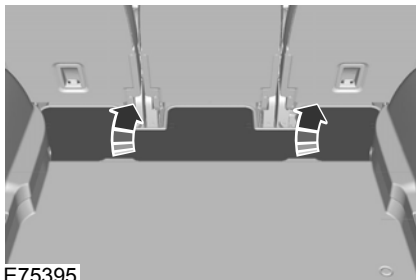
Vehicles with a sliding loadspace floor

Raise the loadspace floor to gain access to the storage compartment. See **Sliding loadspace floor** (page 169).

Load carrying

S-MAX

Vehicles without third row seats



CARGO NETS

Luggage retention net - type 1

WARNING



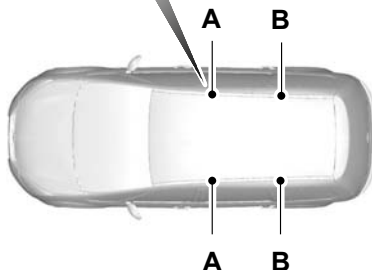
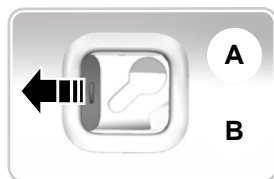
When the retention net is installed, do not sit in the seats behind it.

CAUTION



Keep a distance of at least one centimetre ($\frac{1}{2}$ inch) between the retention net and the seats in front of it.

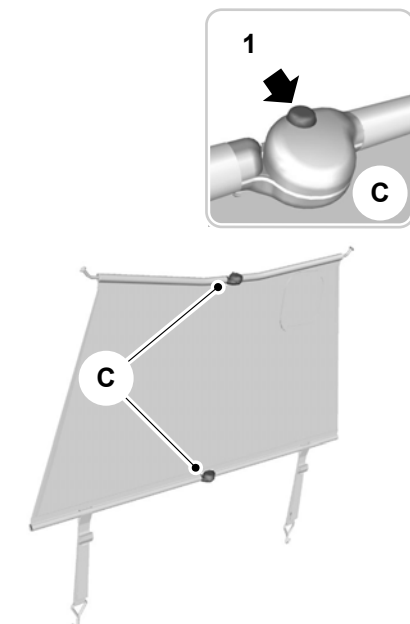
You can install the net in the following positions:



- A Behind the front seats
- B Behind the second row seats

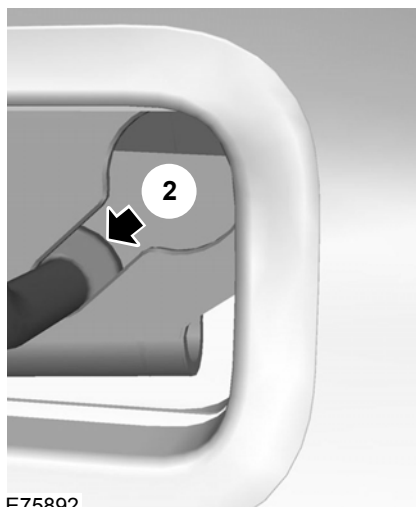
Load carrying

Installing the net

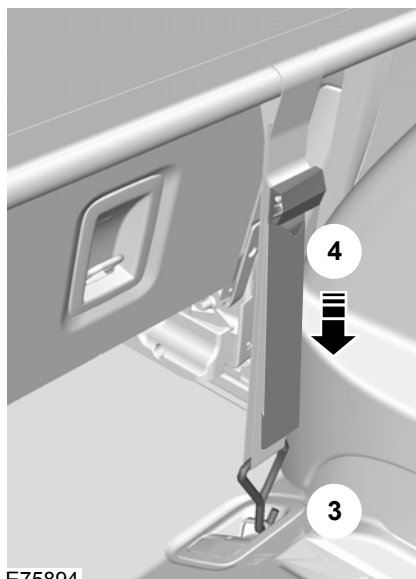


E75893

C Release button



E75892



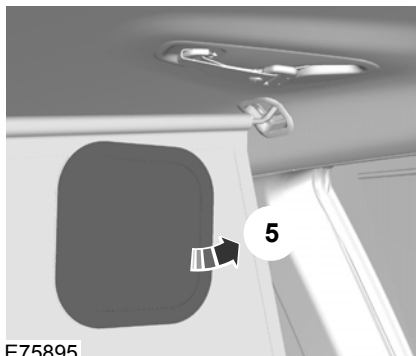
E75894

Load carrying

1. Fold the seatbacks down. See **Rear seats** (page 118).
2. If the retention net is folded, press the red release button **C** on the hinges of the upper and lower bar **1** and unfold it.
3. Push the ends of the upper bar towards each other and insert them into the retainers on the roof **A** or **B**. Make sure that the flap for the centre seat belt is situated on the right hand side of the vehicle.
4. Push the bar forwards into the narrow section of the retainers **2**.
5. Attach the net to the luggage anchor points **3**. See **Luggage anchor points** (page 167).
6. Tighten the belts **4**.

Remove in the reverse order.

If you need to use the centre seat belt:



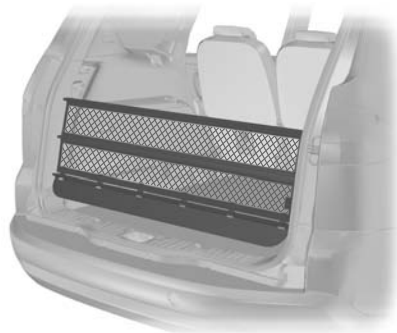
E75895

1. Open the flap **5**.
2. Route the seat belt through the opening.

Luggage retention net - type 2

CAUTIONS

- ! Do not exceed the maximum permissible retention net load of 1 kilogram (2 pounds).
- ! Do not place large objects in the lower net storage compartments.
- ! Make sure that the rods are securely positioned in the trim panels.



E95920

1. Fold the third row seats flat. See **Rear seats** (page 118).
2. Insert one end of each rod into the retainers in the luggage compartment trim panel.
3. Push the other end of each rod toward its centre and insert the rod into the retainer in the opposite trim panel.

Note: The upper rod ends can be inserted into either the top or front retainer in the trim panels.

Note: On S-MAX the lower net incorporates three storage compartments. Make sure that the net is positioned so that the storage compartments face towards the rear.

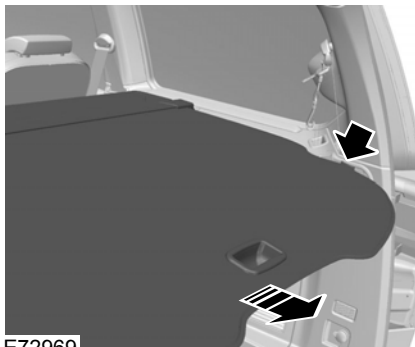
Load carrying

LUGGAGE COVERS

WARNING



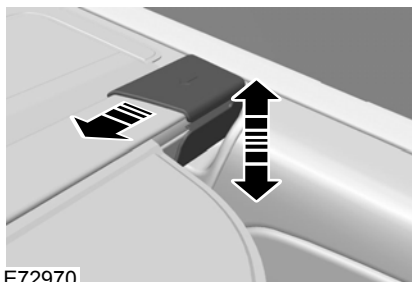
Do not place objects on the luggage cover.



E72969

Pull out the cover and secure it in the retaining points.

Release it from the retaining points and let it roll back into the case. Clip the retaining hook onto the case.



E72970

To remove or install the cover, push either end of the case inwards.

ROOF RACKS AND LOAD CARRIERS

Roof rack

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.

CAUTION



Do not exceed the maximum permissible roof load of 75 kilogrammes (165 pounds) (including the roof rack).

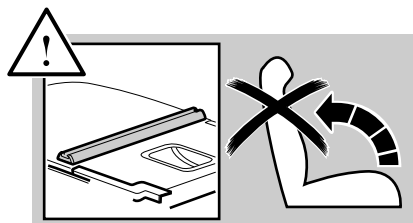
Check the security of the roof rack and tighten its fittings as follows:

- before starting
- after driving 50 kilometres (30 miles)
- at 1 000 kilometres (600 miles) intervals.

To minimise windnoise when the roof rack is not in use, cross rails should be moved rearwards and placed together. To reduce fuel consumption, cross rails should be removed when not in use.

Load carrying

LOAD RETAINING FIXTURES



E75002

WARNINGS



Do not raise the seatback when a load retaining fixture is installed.



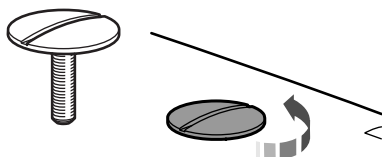
Do not exceed the maximum permissible load of 60 kilogrammes (132 pounds) on two load retaining fixtures and 30 kilogrammes (66 pounds) on one.

Check the security of the load retaining fixtures and tighten its fittings as follows:

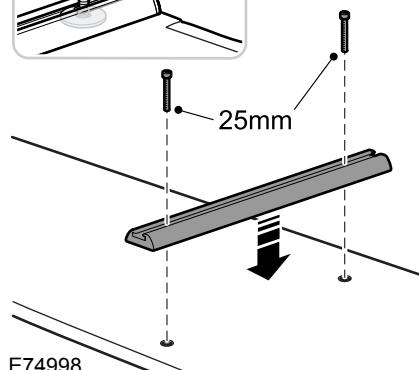
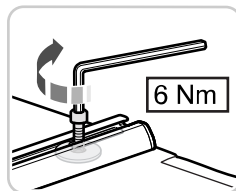
- before starting
- after driving 50 kilometres (30 miles)
- at 1 000 kilometres (600 miles) intervals.

Installing the load retaining fixtures

Seatback



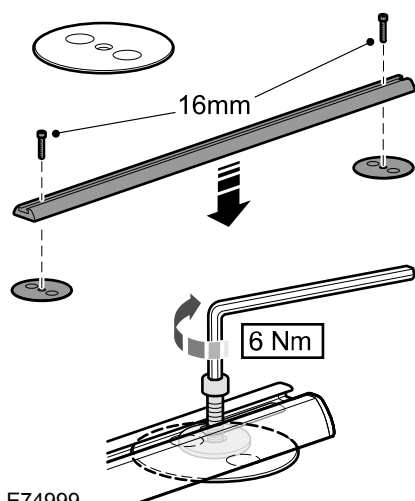
E74997



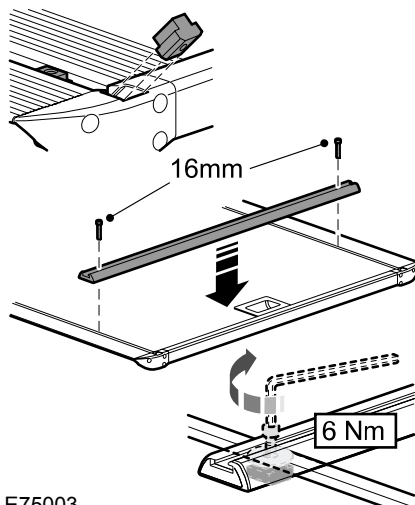
E74998

Load carrying

Luggage compartment floor (vehicles with five seats)

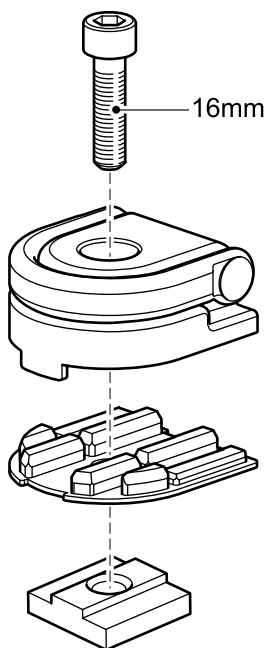


Sliding loadspace floor

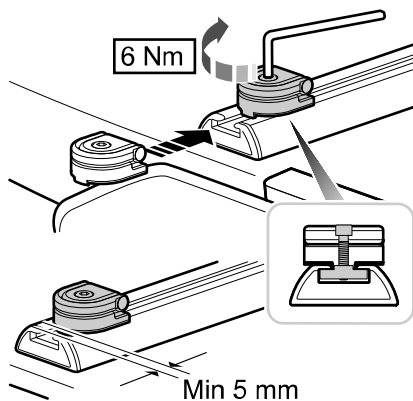


Load carrying

Installing the luggage anchor points






E75000



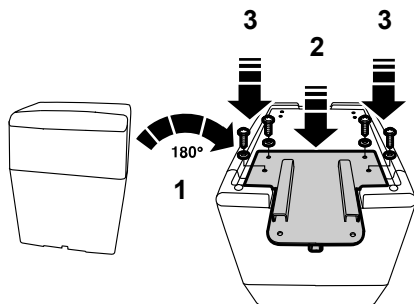
E75001

Installing the load bracket

WARNINGS

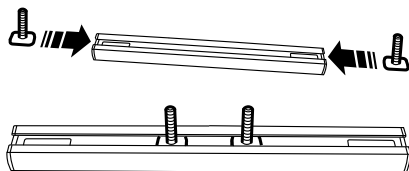
-  Install the load bracket with the longest section towards the rear of the vehicle. If you install it the wrong way round, it may not hold the box in place in the event of an accident.
-  Do not install the load bracket on a second row seatback. It cannot be installed the right way round in this position.
-  Do not exceed the maximum permissible load of 20 kilogrammes (44 pounds).

Load carrying



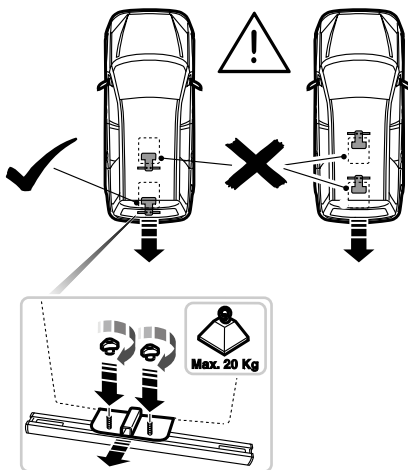
E76378

1. Turn the box over.
2. Position the load bracket.
3. Secure the load bracket with four screws.



E76379

4. Slide the captured bolts onto the load retaining fixture.



E76380

5. Position the load bracket onto the folded seatback so that the captured bolts go through the two holes in longest section of the bracket.
6. Secure the load bracket with the two wing nuts.
7. Remove in the reverse order.

DOG GUARD

WARNING



When the dog guard is installed, do not sit in the seats behind it.

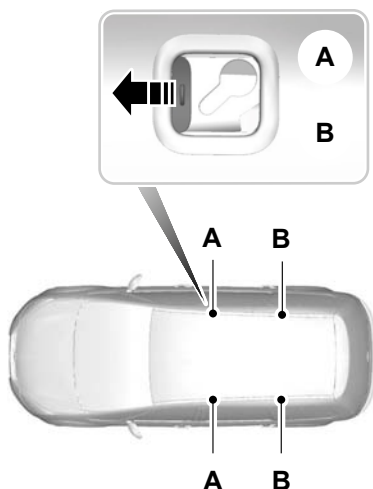
CAUTION



Keep a distance of at least one centimetre ($\frac{1}{2}$ inch) between the dog guard and the seats in front of it.

You can install the dog guard in the following positions:

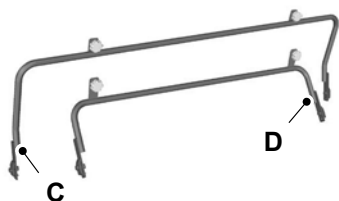
Load carrying



E75891

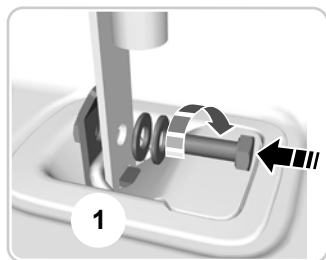
- A Behind the front seats
- B Behind the second row seats

Installing the dog guard

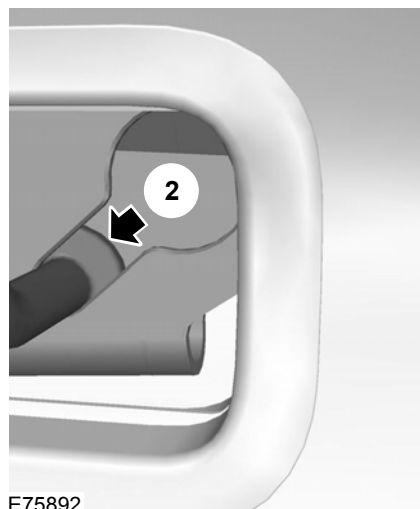


E75896

- C Bar for installing the dog guard behind the front seats
- D Bar for installing the dog guard behind the second row seats



E75897



E75892

Load carrying

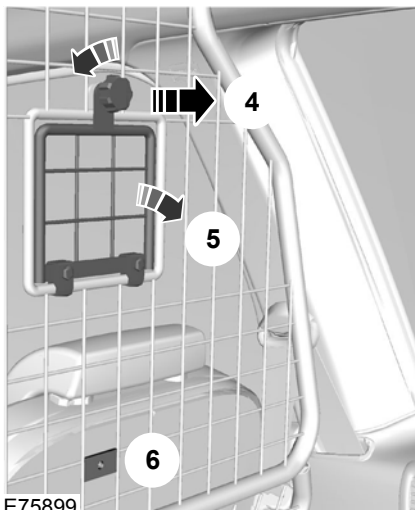


E75898

1. Fold the seatbacks down. See **Rear seats** (page 118).
2. Attach the bar (**C** or **D**) to the luggage anchor points **1**. See **Luggage anchor points** (page 167). Do not tighten the screws.
3. Push the ends of the bar on the grille towards each other and insert them into the retainers on the roof (**A** or **B**). Make sure that the flap for the centre seat belt is situated on the right hand side of the vehicle.
4. Push the bar forwards into the narrow section of the retainers **2**.
5. Attach the grille to the lower bar with the handwheels **3**. Do not tighten the handwheels.
6. Tighten the screws at the luggage anchor points.
7. Tighten the handwheels **3**.

Remove in the reverse order.

If you need to use the centre seat belt:



E75899

1. Loosen the handwheel and remove it **4**.
2. Fold down the flap **5**.
3. Fix the flap with the handwheel **6**.
4. Route the seat belt through the opening.

Towing

TOWING A TRAILER

WARNINGS



Do not exceed the maximum vehicle and trailer weight stated on the vehicle identification plate. See

Vehicle identification (page 236).



ST vehicles are not approved for trailer towing.

Note: *Not all vehicles are suitable or approved to have tow bars fitted. Check with your dealer first.*

Place loads as low and central to the axle(s) of the trailer as possible. If you are towing with an unladen vehicle, the load in the trailer should be placed toward the nose, within the maximum nose load, as this gives the best stability.

Note: *The maximum trailer nose weight can be found in the original vehicle documents (confirmation of conformity). Alternatively refer to your dealer.*

The stability of the vehicle to trailer combination is very much dependant on the quality of the trailer.

In high altitude regions above 1 000 metres (3 281 feet), the stipulated maximum permitted gross train weight must be reduced by 10% for every additional 1 000 metres (3 281 feet).

Steep gradients

WARNING



The overrun brake on a trailer is not controlled by ABS.

Change down a gear before you reach a steep downhill gradient.

DETACHABLE TOW BALL

WARNINGS



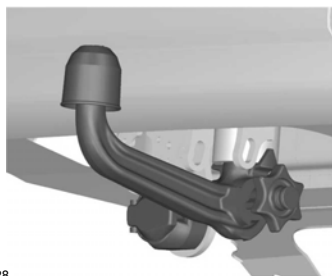
When not in use, always transport the tow ball arm securely fastened in the luggage compartment.



Take special care when fitting the tow ball arm as the safety of the 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.

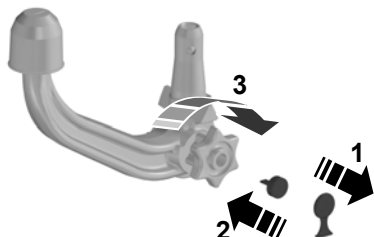


E71328

A 13-pin trailer socket and the tow ball arm seat are provided underneath the rear bumper. Turn the trailer socket down through 90 degrees until it engages in the end position.

Towing

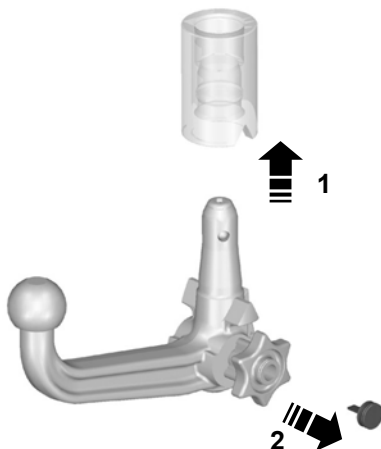
Unlocking the tow ball arm mechanism



E71329

1. Remove the protecting cap (1). Insert the key and turn it clockwise to unlock (2).
2. Hold the tow ball arm. Pull the handwheel out and turn it clockwise until it clicks (3).
3. The red mark on the handwheel must align with the green mark on the tow ball.
4. Release the handwheel. The tow ball arm is unlocked.

Inserting the tow ball arm



E71330

WARNING

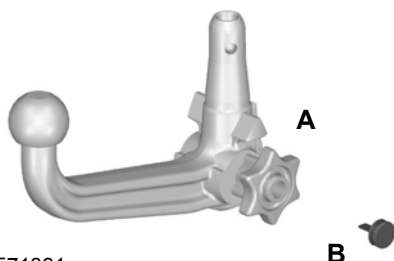


The tow ball arm may only be inserted when completely unlocked.

1. Pull out the plug.
2. Insert the tow ball arm vertically and press it upwards until it engages (1). Do not hold your hand near the handwheel.
3. The green mark on the handwheel must align with the green mark on the tow ball.
4. To lock, turn the key anti-clockwise and remove the key (2).
5. Pull the protecting cap from the key bow and press it onto the lock.

Towing

Driving with a trailer



E71331

WARNING

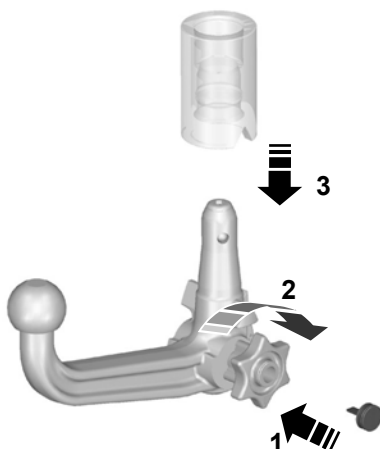


If any of the below conditions cannot be met, do not use the tow bar and have it checked by a properly trained technician.

Before starting your journey, make sure that the tow ball arm is properly locked. Check:

- the green marks are aligned.
- the handwheel (**A**) is correctly fitted to the tow ball arm.
- you have removed the key (**B**).
- the tow ball arm is securely positioned. It must not move when jerked.

Removing the tow ball arm



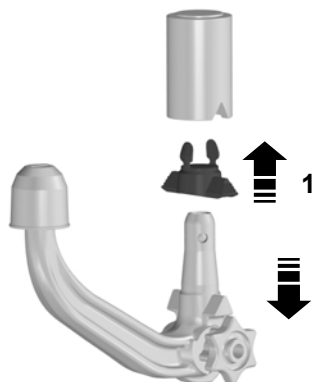
E71332

1. Unhitch the trailer.
2. Remove the protecting cap. Press the cap into the key bow. Insert the key and unlock (**1**).
3. Hold the tow ball arm. Pull the handwheel out, turn it clockwise against the stop (**2**) and remove the tow ball arm (**3**).
4. Release the handwheel.

When unlocked in this way, the tow ball arm can be reinserted at any time.

Towing

Driving without a trailer



E94771

1. Remove the tow ball arm.
2. Insert the plug into its seat (1).

WARNING



Never unlock the tow ball arm with the trailer attached.

Maintenance

CAUTION



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.

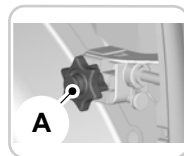
Keep a note of the key number. In case of loss, replacement keys are available from the manufacturer by stating the 4-digit key number.

RETRACTABLE TOW BALL

CAUTION

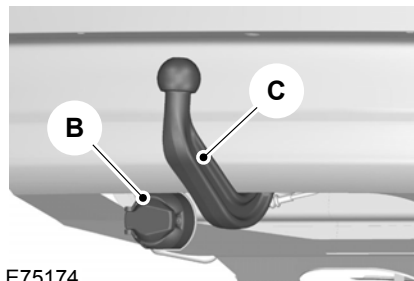


Only move the tow ball arm with your hand. Never use your foot or auxiliary tools as damage to the mechanism may result.



E75173

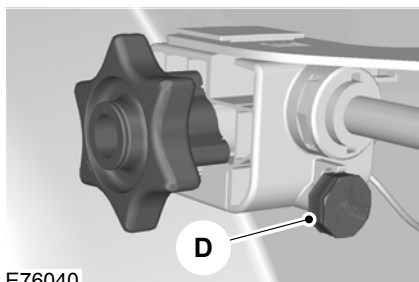
You can turn the retractable tow ball arm through 90 degrees using the handwheel **A**.



E75174

Towing

A 13-pin trailer socket **B** is provided underneath the rear bumper next to the tow ball arm **C**.



E76040

Note: When not in use, insert the key into the storage position **D** to the right of the handwheel.

Swivelling the tow ball in

WARNINGS



Keep your hands away from the handwheel as it rotates during the locking process.

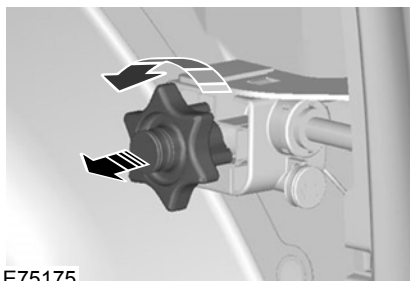


You will hear a warning tone when the tow ball arm is not in one of the locked positions. If you do not hear the tone when moving the tow ball arm, do not use the tow bar and have it checked by a properly trained technician.

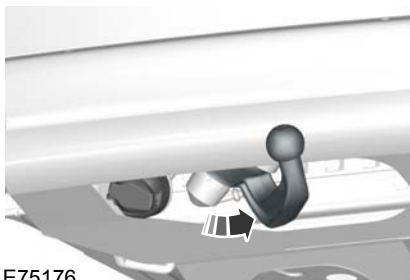
CAUTION



Before retracting the ball neck into its storage position always unhitch the trailer or dismantle load carriers and their attachments. Dismantle attachments for tracking stabilisation. Remove the plug for the trailer power supply and the adapter from the socket. Failure to do so may result in damage to the bumper.



E75175

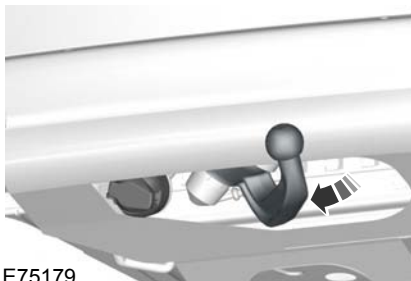


E75176

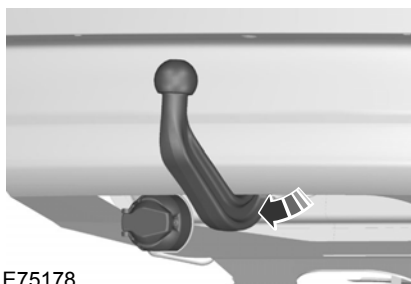
1. Insert the key into the handwheel and turn it clockwise to unlock.
2. Pull the handwheel out and turn it anti-clockwise to the stop. The tow ball arm automatically swivels into a midway position.
3. Release the handwheel. The tow ball arm is not locked. This is indicated by the warning tone and the handwheel projects about five millimetres (0.2 inch) from its housing.

Towing

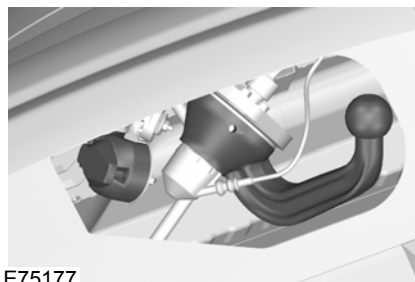
4. Manually turn the tow ball arm steadily from its midway position to the stop in the stowage position. The tow ball arm automatically locks in the end position. The locking process is clearly audible if the level of background noise is not too high. When the locking process is completed, the warning tone stops and the handwheel will return to its original position.
5. Turn the key anti-clockwise and remove it. Insert the key into the storage position.



E75179




E75178



E75177

Swivelling the tow ball out

WARNING


 You will hear a warning tone when the tow ball arm is not in one of the locked positions. If you do not hear the tone when moving the tow ball arm, do not use the tow bar and have it checked by a properly trained technician.

1. Insert the key into the handwheel and turn it clockwise to unlock.
2. Pull the handwheel out and turn it anti-clockwise to the stop. The tow ball arm automatically swivels into the midway position.
3. Release the handwheel. The tow ball arm is not locked. This is indicated by the warning tone and the handwheel projects about five millimetres (0.2 inch) from its housing.

Towing

4. Manually turn the tow ball arm steadily from its midway position to the stop in the operating position. The tow ball arm automatically locks in the end position. The locking process is clearly audible if the level of background noise is not too high. When the locking process is completed, the warning tone stops and the handwheel will return to its original position.
5. Turn the key anti-clockwise and remove it. Insert the key into the storage position.

CAUTIONS

 When cleaning the vehicle with a steam jet do not direct the high pressure jet directly onto the swivel joint of the tow ball arm.

Driving with a trailer

WARNING



If any of the conditions below cannot be met, do not use the tow bar and have it checked by a properly trained technician.

Before starting your journey, make sure that the tow ball arm is properly locked. Check that:

- there is no warning tone when the locking procedure has been completed
- the handwheel is in its housing and that there is no gap
- you have locked the handwheel (anti-clockwise) and removed the key
- the tow ball arm is locked. It must not move when jerked.

Maintenance

CAUTIONS



The towing hitch and control unit are maintenance-free. Do not grease or oil them.



Only the manufacturer should carry out repairs or dismantle the towing hitch.

RUNNING-IN

Tyres

WARNING



New tyres need to be run-in for approximately 500 kilometres (300 miles). 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 150 kilometres (100 miles) in town and for the first 1 500 kilometres (1 000 miles) on motorways.

Engine

CAUTION



Avoid driving too fast during the first 1 500 kilometres (1 000 miles). Vary your speed frequently and change up through the gears early. Do not labour the engine.

Emergency equipment

FIRST AID KIT



E73238

Space is provided in the under floor storage compartment to store a first aid kit. See **Storage compartments** (page 128).

WARNING TRIANGLE



E73239

Space is provided in the under floor storage compartment to store a warning triangle. See **Storage compartments** (page 128).

Status after a collision

INSPECTING SAFETY SYSTEM COMPONENTS

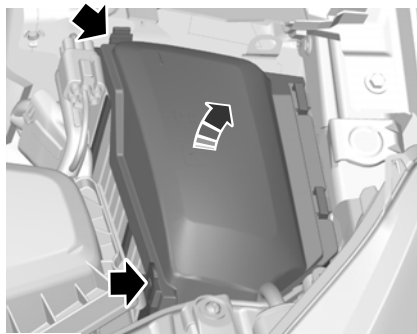
Seat belts

Belts subjected to strain, as a result of an accident, should be renewed and the anchorages checked by a properly trained technician.

Fuses

FUSE BOX LOCATIONS

Engine compartment fuse box



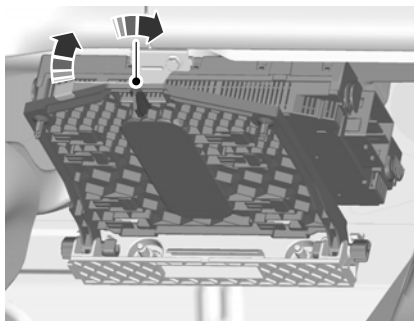
E72588

Central fuse box



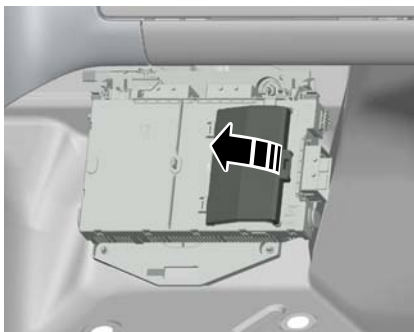
E72589

1. Loosen the screws.



E72590

2. Turn the knob through 90 degrees and release the fuse box from the retaining bracket.
3. Lower the fuse box and pull it towards you.

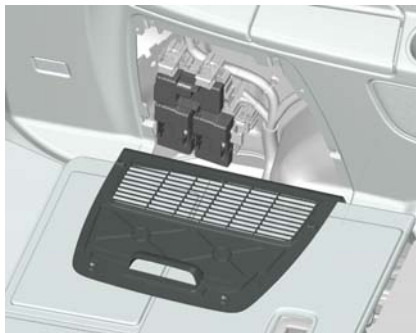


E72622

4. Remove the cover to gain access to the fuses (vehicles with a cooled glove box).
5. Install in the reverse order.

Fuses

Rear fuse box



E72591

Release the catches and remove the cover.

CHANGING A FUSE

WARNINGS



Do not modify the electrical system of your vehicle in any way. Have repairs to the electrical system and the replacement of relays and high current fuses carried out by a properly trained technician.



Switch the ignition and all electrical equipment off before touching or attempting to change a fuse.

CAUTION



Fit a replacement fuse with the same rating as the one you have removed.

Note: You can identify a blown fuse by a break in the filament.

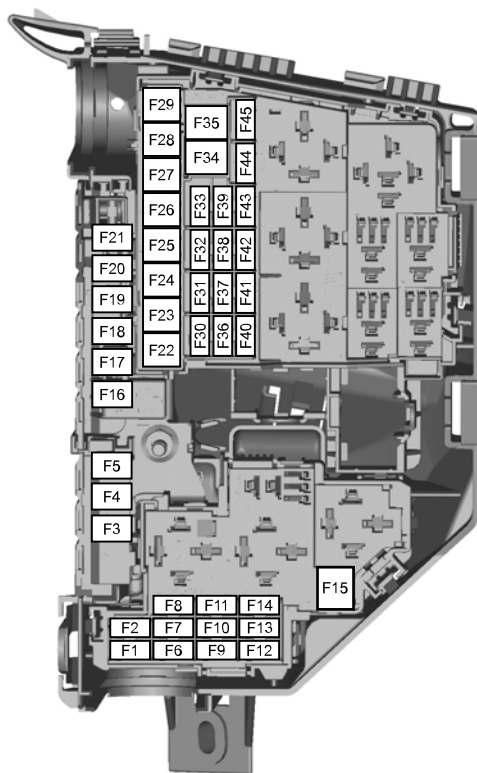
Note: All fuses, except high current fuses, are a push fit.

Note: A fuse puller is located in the engine compartment fuse box.

Fuses

FUSE SPECIFICATION CHART

Engine compartment fuse box



E75525

Fuse	Ampere rating	Colour	Circuits protected
F1	10	red	Transmission control module
F2	5	tan	Glow plug monitoring (diesel engines)

Fuses

Fuse	Ampere rating	Colour	Circuits protected
F3	80 ¹	clear	Engine cooling fan (2.3L Duratec-HE)
F3	80 ¹	clear	Electric hydraulic power steering (EHPAS) (2.0L Duratorq-TDCi)
F4	60	blue	Glow plugs
F5	60	blue	Engine cooling fan
F6	10	red	HEGO sensor (engine management)
F7	5	tan	Relay coils
F8	10	red	Powertrain control module
F9	10	red	Fuel injector (2.2L Duratec-HE and 2.3L Duratec-HE)
F9	10	red	Fuel injector, PTC heater (2.5L Duratec-ST)
F9	10	red	MAF control (engine management [diesel engines])
F10	10	red	Engine control module
F11	10	red	Valves, MAF control (engine management)
F11	10	red	Powertrain control module (2.2L Duratec-HE and 2.3L Duratec-HE)
F11	10	red	Valves (2.5L Duratec-ST)
F11	10	red	Water in fuel sensor, pressure control valve, VVC valve (1.8L Duratorq-TDCi and 2.0L Duratorq-TDCi)
F11	10	red	Fuel rail pressure valve (2.2L Duratorq-TDCi)
F12	10	red	Ignition coil (petrol engines)
F12	10	red	EGR throttle, variable turbo control valve (2.0L Duratorq-TDCi)
F12	10	red	Glow plug relay, air conditioning (AC) clutch relay(2.2L Duratorq-TDCi)
F13	15	blue	Air conditioning relay
F14	15	blue	Diesel filter heater, fuel metering unit (2.2L Duratorq-TDCi)

Fuses

Fuse	Ampere rating	Colour	Circuits protected
F15	40	orange	Starter relay
F16	80	clear	Diesel auxiliary heater (PTC)
F17	60	blue	Central fuse box supply A
F18	60	blue	Central fuse box supply B
F19	60	blue	Rear fuse box supply C
F20	60	blue	Rear fuse box supply D
F21	–	–	Not used
F22	30	green	Windscreen wiper module
F23	25 ¹	clear	Heated rear window
F23	30 ¹	green	Heated rear window
F24	30	green	Headlamp washer
F25	30	green	ABS valves
F26	40	orange	ABS pump
F27	30	green	Fuel fired heater
F28	40	orange	Heater blower
F29	–	–	Not used
F30	–	–	Not used
F31	15	blue	Horn
F32	–	–	Not used
F33	5	tan	Light switch module, engine compartment fuse box coils
F34	40	orange	Heated windscreen (left-hand side)
F35	40	orange	Heated windscreen (right-hand side)
F36	5	tan	ABS
F37	10	red	Heated front washer jets
F38	5	tan	Adaptive cruise control (ACC)

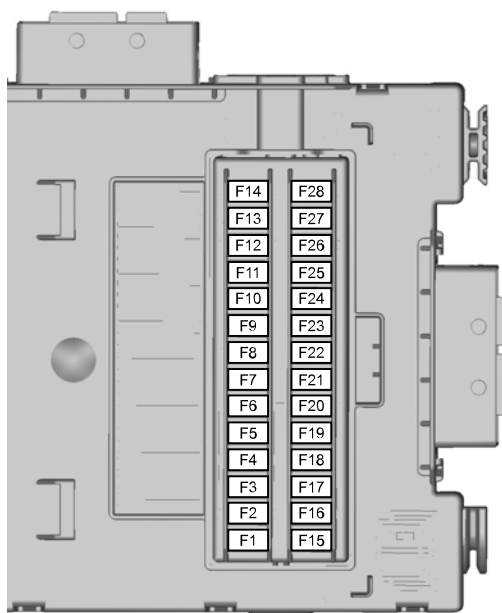
Fuses

Fuse	Ampere rating	Colour	Circuits protected
F39	15	blue	Adaptive front lighting system (AFS)
F40	–	–	Not used
F41	20	yellow	Instrument panel
F42	10	red	Engine control module, transmission control module, electric hydraulic power steering (EHPAS) (2.0L Duratorq-TDCi)
F43	5	tan	Headlamp levelling, adaptive front lighting system (AFS)
F44	20	yellow	Electric hydraulic power steering module (2.0L Duratorq-TDCi), vacuum pump (2.5L Duratec-ST)
F45	15	blue	Rear window wiper

¹Fit a replacement with the same rating as the one you have removed.

Fuses

Central fuse box



E75527

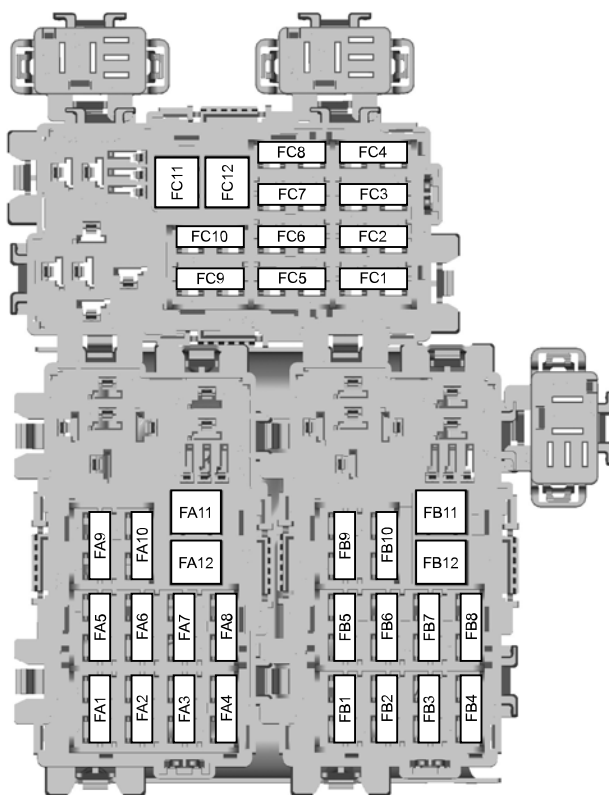
Fuse	Ampere rating	Colour	Circuits protected
F1	5	tan	Rain sensor
F2	10	red	SRS (airbag) supply
F3	5	tan	ABS, yaw rate sensor (ESP), electric parking brake (EPB)
F4	7.5	brown	Electronic feed, accelerator pedal supply, electronic fuse
F5	-	-	Not used
F6	15	blue	Audio system (including voice control)

Fuses

Fuse	Ampere rating	Colour	Circuits protected
F7	7.5	brown	Steering wheel module
F8	5	tan	Instrument cluster
F9	15	blue	Main beam
F10	-	-	Not used
F11	7.5	brown	Reversing lamps
F12	-	-	Not used
F13	15	blue	Front fog lamp
F14	15	blue	Windscreen washers
F15	10	red	Adaptive cruise control (ACC)
F16	-	-	Not used
F17	10	red	Interior lamps
F18	5	tan	Engine immobiliser
F19	15	blue	Cigar lighter
F20	-	-	Not used
F21	5	tan	Remote frequency receiver, Interior motion sensor
F22	20	yellow	Fuel pump
F22	7.5	brown	Fuel pump (2.2L Duratorq)
F23	-	-	Not used
F24	5	tan	Ignition switch
F25	10	red	Fuel filler flap
F26	5	tan	Battery backup sounder (alarm system), OBD II (board computer diagnostics)
F27	5	tan	Steering column unit, climate control module
F28	5	tan	Brake lamp switch

Fuses

Rear fuse box



E75526

Fuse	Ampere rating	Colour	Circuits protected
FA1	25	clear	Door module (left-hand front) (window up/down, central locking, electric folding mirror, heated mirror)

Fuses

Fuse	Ampere rating	Colour	Circuits protected
FA2	25	clear	Door module (right-hand front) (window up/down, central locking, electric folding mirror, heated mirror)
FA3	25	clear	Door module (left-hand rear) (window up/down)
FA4	25	clear	Door module (right-hand rear) (window up/down)
FA5	10	red	Rear locking (without rear door modules)
FA6	15	blue	Auxiliary power socket
FA7	5	tan	Relay coils
FA8	–	–	Not used
FA9	–	–	Not used
FA10	30	green	Electric driver's seat
FA11	20	yellow	Accessories, trailer module
FA12	–	–	Not used
FB1	5	tan	Parking aid module
FB2	15	blue	Suspension module
FB3	15	blue	Heated driver's seat
FB4	15	blue	Heated front passenger seat
FB5	–	–	Not used
FB6	10	red	Rear climate control
FB7	–	–	Not used
FB8	–	–	Not used
FB9	30	green	Electric front passenger seat
FB10	10	red	Anti-theft alarm horn
FB11	–	–	Not used
FB12	–	–	Not used
FC1	7.5	brown	Electric rear quarter windows

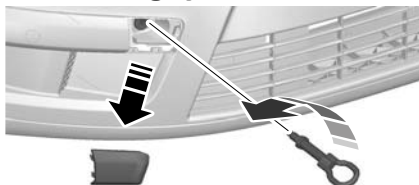
Fuses

Fuse	Ampere rating	Colour	Circuits protected
FC2	30	green	Electric parking brake (EPB)
FC3	30	green	Electric parking brake (EPB)
FC4	10	red	Rear air conditioning
FC5	7.5	brown	CD changer, rear seat entertainment system
FC6	20	yellow	Rear air conditioning blower
FC7	5	tan	Seat memory function module
FC8	–	–	Not used
FC9	–	–	Not used
FC10	–	–	Not used
FC11	–	–	Not used
FC12	–	–	Not used

Vehicle recovery

TOWING POINTS

Front towing eye



E73241

Rear towing eye



E73242

A Mount for rear towing eye



E73240

The screw-in towing eye is located in the underfloor storage compartment behind the front seats. See **Rear under floor storage** (page 170).

The towing eye must **always** be carried in the vehicle.

Insert your finger into the hole on the underside of the cover and prise off the cover. Install the towing eye.

CAUTION

! The screw-in towing eye has a **left-hand thread**. Turn it **anti-clockwise** to install it.

TOWING THE VEHICLE ON FOUR WHEELS

All vehicles

WARNINGS

! Switch the ignition on when your vehicle is being towed. The steering lock will engage and the direction indicators and brake lamps will not work if you do not.

! The brake servo and the power steering pump do not operate unless the engine is running. Press the brake pedal harder and allow for increased stopping distances and heavier steering.

CAUTIONS

! Too much tension in the tow rope could cause damage to your vehicle or the vehicle that is towing.






! Do not use a rigid tow bar on the front towing eye.

Drive off slowly and smoothly without jerking the vehicle that is towing.

Vehicle recovery

Vehicles with automatic transmission

CAUTIONS

-  Do not tow your vehicle faster than 50 km/h (30 mph) or further than 50 kilometres (30 miles).
 -  If a speed of 50 km/h (30 mph) and a distance of 50 kilometres (30 miles) is to be exceeded the drive wheels must be lifted clear of the ground.
 -  In the event of a mechanical failure of the transmission the drive wheels must be lifted clear of the ground.
 -  Do not tow your vehicle backwards.
 -  Select neutral when your vehicle is being towed.
-

Maintenance

GENERAL INFORMATION

Have your vehicle serviced regularly to help maintain its roadworthiness and resale value. There is a large network of Ford Authorised Repairers that are there to help you with their professional servicing expertise. We believe that their specially trained technicians are best qualified to service your vehicle properly and expertly. They are supported by a wide range of highly specialised tools developed specifically for servicing your vehicle.

In addition to regular servicing, we recommend that you carry out the following additional 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.

Daily checks

- Exterior lamps.
- Interior lamps.
- Warning lamps and indicators.

Check when refuelling

- Engine oil level. See **Engine oil check** (page 213).
- Brake fluid level. See **Brake and clutch fluid check** (page 214).

- Washer fluid level. See **Washer fluid check** (page 214).
- Tyre pressures (when cold). See **Wheels and tyres** (page 222).
- Tyre condition. See **Wheels and tyres** (page 222).

Monthly checks

- Engine coolant level (engine cold). See **Engine coolant check** (page 213).
- Pipes, hoses and reservoirs for leaks.
- Power steering fluid level. See **Power steering fluid check** (page 214).
- Air conditioning operation.
- Parking brake operation.
- Horn operation.
- Tightness of wheel nuts. See **Wheels and tyres** (page 222).

OPENING AND CLOSING THE BONNET

Opening the bonnet

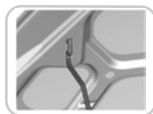


Maintenance



E87785

Raise the bonnet slightly and move the catch towards the left-hand side of the vehicle.



E87786

Open the bonnet and support it with the strut.

Closing the bonnet

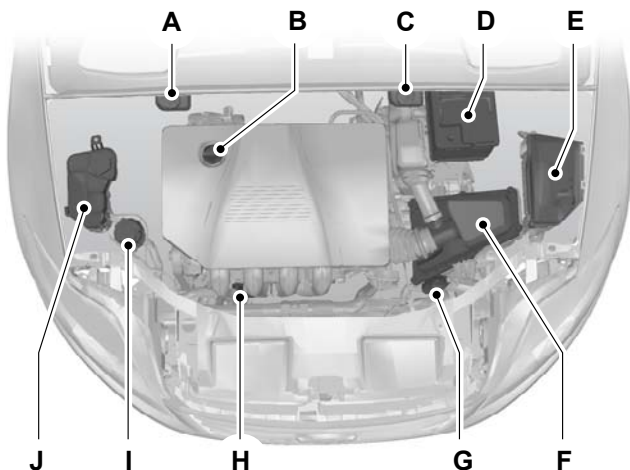
WARNING



Make sure that the bonnet is closed properly.

Lower the bonnet and allow it to drop from under its own weight for the last 20 – 30 centimetres (8 - 11 inches).

ENGINE COMPARTMENT OVERVIEW - 2.0L DURATEC-HE (MI4)



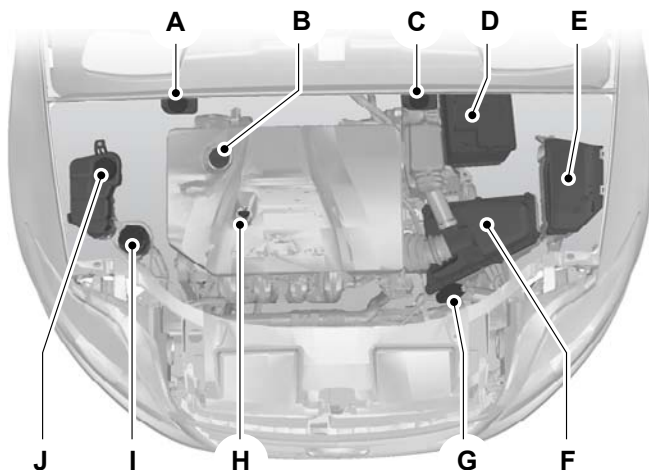
E73231

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹. See **Engine oil check** (page 213).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake and clutch fluid check** (page 214).
- D Battery. See **Battery care** (page 220).
- E Engine compartment fuse box. See **Fuse specification chart** (page 193).
- F Air cleaner. No maintenance necessary.
- G Screen washer fluid reservoir. See **Washer fluid check** (page 214).
- H Engine oil dipstick¹. See **Engine oil check** (page 213).
- I Power steering fluid reservoir. See **Power steering fluid check** (page 214).
- J Engine coolant reservoir. See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 2.3L DURATEC-HE (MI4)



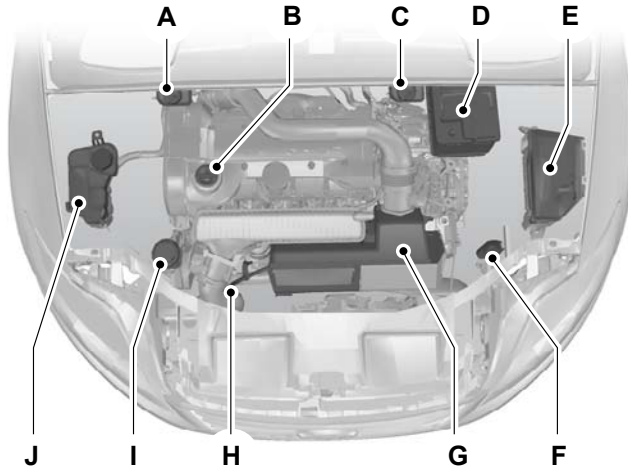
E81313

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹. See **Engine oil check** (page 213).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake and clutch fluid check** (page 214).
- D Battery. See **Battery care** (page 220).
- E Engine compartment fuse box. See **Fuse specification chart** (page 193).
- F Air cleaner. No maintenance necessary.
- G Screen washer fluid reservoir. See **Washer fluid check** (page 214).
- H Engine oil dipstick¹. See **Engine oil check** (page 213).
- I Power steering fluid reservoir. See **Power steering fluid check** (page 214).
- J Engine coolant reservoir. See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 2.5L DURATEC-ST (VI5)



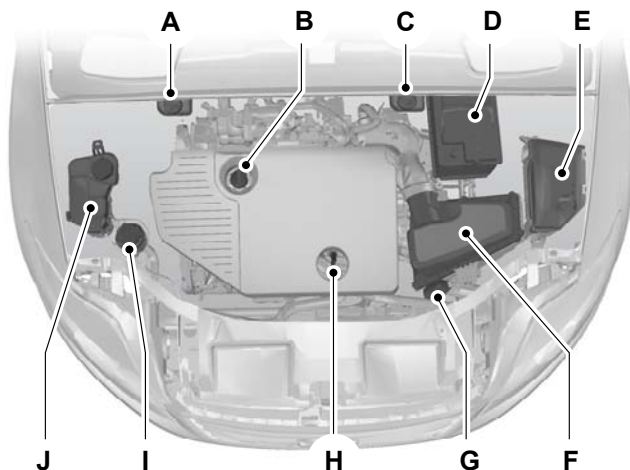
E73232

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹. See **Brake and clutch fluid check** (page 214).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake and clutch fluid check** (page 214).
- D Battery. See **Battery care** (page 220).
- E Engine compartment fuse box. See **Fuse specification chart** (page 193).
- F Screen washer fluid reservoir. See **Washer fluid check** (page 214).
- G Air cleaner. No maintenance necessary.
- H Engine oil dipstick¹. See **Brake and clutch fluid check** (page 214).
- I Power steering fluid reservoir. See **Power steering fluid check** (page 214).
- J Engine coolant reservoir. See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 1.8L DURATORQ-TDCI (LYNX) DIESEL



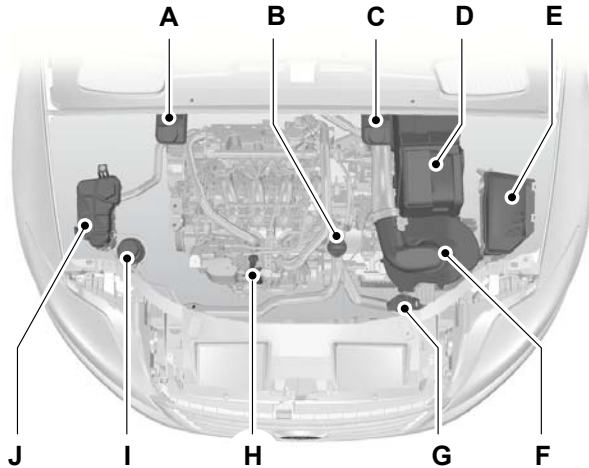
E73233

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹. See **Engine oil check** (page 213).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake and clutch fluid check** (page 214).
- D Battery. See **Battery care** (page 220).
- E Engine compartment fuse box. See **Fuse specification chart** (page 193).
- F Air cleaner. No maintenance necessary.
- G Screen washer fluid reservoir. See **Washer fluid check** (page 214).
- H Engine oil dipstick¹. See **Engine oil check** (page 213).
- I Power steering fluid reservoir. See **Power steering fluid check** (page 214).
- J Engine coolant reservoir. See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 2.2L DURATORQ-TDCI (DW) DIESEL



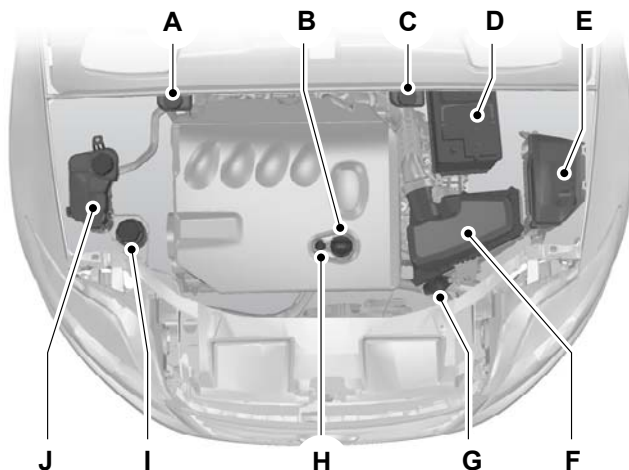
E87715

- A Brake and clutch fluid reservoir (right-hand drive): See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹: See **Engine oil check** (page 213).
- C Brake and clutch fluid reservoir (left-hand drive): See **Brake and clutch fluid check** (page 214).
- D Battery: See **Vehicle battery** (page 220).
- E Engine compartment fuse box: See **Fuses** (page 191).
- F Air cleaner: No maintenance necessary.
- G Screen washer fluid reservoir: See **Washer fluid check** (page 214).
- H Engine oil dipstick¹: See **Engine oil check** (page 213).
- I Power steering fluid reservoir: See **Power steering fluid check** (page 214).
- J Engine coolant reservoir: See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 2.0L DURATORQ-TDCI (DW) DIESEL



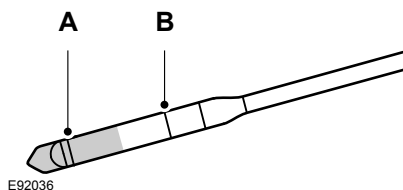
E73234

- A Brake and clutch fluid reservoir (right-hand drive). See **Brake and clutch fluid check** (page 214).
- B Engine oil filler cap¹. See **Engine oil check** (page 213).
- C Brake and clutch fluid reservoir (left-hand drive). See **Brake and clutch fluid check** (page 214).
- D Battery. See **Battery care** (page 220).
- E Engine compartment fuse box. See **Fuse specification chart** (page 193).
- F Air cleaner. No maintenance necessary.
- G Screen washer fluid reservoir. See **Washer fluid check** (page 214).
- H Engine oil dipstick¹. See **Engine oil check** (page 213).
- I Power steering fluid reservoir. See **Power steering fluid check** (page 214).
- J Engine coolant reservoir. See **Engine coolant check** (page 213).

¹The filler caps and the engine oil dipstick are coloured for easy identification.

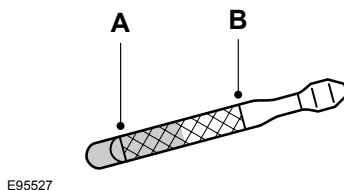
Maintenance

ENGINE OIL DIPSTICK - 2.0L DURATEC-HE (MI4)/2.3L DURATEC-HE (MI4)



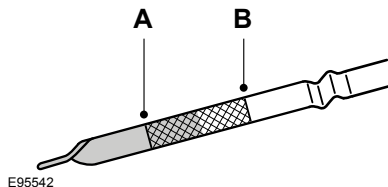
A MIN
B MAX

ENGINE OIL DIPSTICK - 1.8L DURATORQ-TDCI (LYNX) DIESEL



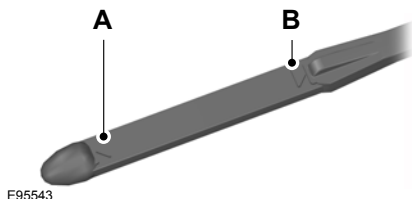
A MIN
B MAX

ENGINE OIL DIPSTICK - 2.5L DURATEC-ST (VI5)



A MIN
B MAX

ENGINE OIL DIPSTICK - 2.0L DURATORQ-TDCI (DW) DIESEL/2.2L DURATORQ- TDCI (DW) DIESEL



A MIN
B MAX

Maintenance

ENGINE OIL CHECK

CAUTION



Do not use oil additives or other engine treatments. Under certain conditions, they could damage the engine.

Note: The oil consumption of new engines reaches its normal level after approximately 5 000 kilometres (3 000 miles).

Checking the oil level

CAUTION



Make sure that the level is between the **MIN** and the **MAX** marks.

Note: Check the level before starting the engine.

Note: Make sure that your vehicle is on level ground.

Note: Oil expands when it is hot. The level may therefore extend a few millimetres beyond the **MAX** mark.

Remove the dipstick and wipe it with a clean, lint free cloth. Replace the dipstick and remove it again to check the oil level.

If the level is at the **MIN** mark, top up immediately.

Topping up

WARNINGS



Only top up 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.

Remove the filler cap.

CAUTION



Do not top up further than the **MAX** mark.

Top up with fluid that meets the Ford specification. See **Technical specifications** (page 215).

ENGINE COOLANT CHECK

Checking the coolant level

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 doctor.

CAUTION



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, top up immediately.

Topping up

WARNINGS



Only top up 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.

Unscrew the cap **slowly**. Any pressure will escape slowly as you unscrew the cap.

Maintenance


CAUTIONS

-  Do not spill coolant on any part of the engine.
-  Do not top up further than the **MAX** mark.


Top up with fluid that meets the Ford specification. See **Technical specifications** (page 215).

BRAKE AND CLUTCH FLUID 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 doctor.

CAUTION

-  Make sure that the level is between the **MIN** and the **MAX** marks.


Note: *The brake and the clutch systems are supplied from the same reservoir.*

If the level is at the **MIN** mark, top up immediately.

Topping up

Remove the filler cap.


CAUTION

-  Do not top up further than the **MAX** mark.


Top up with fluid that meets the Ford specification. See **Technical specifications** (page 215).

POWER STEERING FLUID 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 doctor.

CAUTION


-  Make sure that the level is between the **MIN** and the **MAX** marks.

If the level is at the **MIN** mark, top up immediately.

Topping up

Remove the filler cap.

CAUTION

-  Do not top up further than the **MAX** mark.

Top up with fluid that meets the Ford specification. See **Technical specifications** (page 215).

WASHER FLUID CHECK

Note: *The front and rear washer systems are supplied from the same reservoir.*

Maintenance

TECHNICAL SPECIFICATIONS

Vehicle fluids

Item	Recommended fluid	Specification
Engine oil	Ford or Motorcraft Formula E SAE 5W-30 Engine Oil*	WSS-M2C913-B
Power steering fluid	Ford or Motorcraft Power Steering Fluid	WSS-M2C204-A2
Coolant	Motorcraft SuperPlus Anti-freeze	WSS-M97B44-D
Brake fluid	Ford or Motorcraft Super DOT 4 Brake Fluid	ESD-M6C57-A

CAUTION



Do not use oils which do not meet the specifications or requirements. Use of unsuitable oil may lead to engine damage which is not covered by your Warranty.

* You can use an alternative **SAE 5W-30** engine oil, providing it meets the specification defined by **WSS-M2C913-B**.

Note: If you operate your vehicle in temperatures below -20°C (-4°F), you must not use **SAE 10W-40** engine oil.

Topping up the oil: If you are unable to find an oil that meets the specification defined by **WSS-M2C913-B**, you must use **SAE 5W-30** (preferred), **SAE 5W-40** (except vehicles with E85 fuel) or **SAE 10W-40** that meets the specification defined by either **ACEA A1/B1** (preferred) or **ACEA A3/B3**. Using these oils can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.

Capacities

Variant	Item	Capacity in litres (gallons)
All	Power steering fluid	MAX mark
All	Windscreen washer system	3.9 (0.9)
2.0L Duratec-HE	Engine lubrication system - including the oil filter	4.3 (1.0)
2.0L Duratec-HE	Engine lubrication system - excluding the oil filter	3.9 (0.9)

Maintenance

Variant	Item	Capacity in litres (gallons)
2.0L Duratec-HE	Engine cooling system	6.2 (1.4)
2.0L Duratec-HE	Fuel tank	70 (15.4)
2.3L Duratec-HE	Engine lubrication system - including the oil filter	4.3 (1.0)
2.3L Duratec-HE	Engine lubrication system - excluding the oil filter	3.9 (0.9)
2.3L Duratec-HE	Engine cooling system	6.9 (1.5)
2.3L Duratec-HE	Fuel tank	70 (15.4)
2.5L Duratec-ST	Engine lubrication system - including the oil filter	5.8 (1.3)
2.5L Duratec-ST	Engine lubrication system - excluding the oil filter	5.5 (1.2)
2.5L Duratec-ST	Engine cooling system	7.1 (1.6)
2.5L Duratec-ST	Fuel tank	70 (15.4)
1.8L Duratorq-TDCi	Engine lubrication system - including the oil filter	5.6 (1.2)
1.8L Duratorq-TDCi	Engine lubrication system - excluding the oil filter	5.0 (1.1)
1.8L Duratorq-TDCi	Engine cooling system	7.9 (1.7)
1.8L Duratorq-TDCi	Fuel tank	70 (15.4)
2.0L Duratorq-TDCi	Engine lubrication system - including the oil filter	5.5 (1.2)
2.0L Duratorq-TDCi	Engine lubrication system - excluding the oil filter	5.0 (1.1)
2.0L Duratorq-TDCi	Engine cooling system	8.1 (1.8)
2.0L Duratorq-TDCi	Fuel tank	70 (15.4)
2.2L Duratorq-TDCi	Engine lubrication system - including the oil filter	6.0 (1.3)
2.2L Duratorq-TDCi	Engine lubrication system - excluding the oil filter	5.4 (1.2)
2.2L Duratorq-TDCi	Engine cooling system	8.4 (1.9)

Maintenance

Variant	Item	Capacity in litres (gallons)
2.2L Duratorq-TDCi	Fuel tank	70 (15.4)

Vehicle care

CLEANING THE EXTERIOR

WARNING



If you use a car wash with a waxing cycle, make sure that you remove the wax from the windscreen.

CAUTIONS



Some car wash installations use water at high pressure. This could damage certain parts of your vehicle.



Remove the aerial before using an automatic car wash.



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

CAUTIONS



Do not scrape the headlamp lenses or use abrasives, alcoholic solvents or chemical solvents to clean them.



Do not wipe the headlamps when they are dry.

Cleaning the rear window

CAUTION



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

CAUTION



Do not use abrasives or chemical solvents. Use soapy water.

Body paintwork preservation

CAUTIONS



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 windscreen 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

Seat belts

WARNINGS



Do not use abrasives, or chemical solvents to clean them.



Do not allow moisture to penetrate the seat belt retractor mechanism.

Clean the seat belts with interior cleaner or water applied with a soft sponge. Let the seat belts dry naturally, away from artificial heat.

Instrument cluster screens, LCD screens, radio screens

WARNING



Do not use abrasives, alcoholic solvents or chemical solvents to clean them.

REPAIRING MINOR PAINT DAMAGE

CAUTION



Remove apparently harmless looking substances from the paintwork immediately (e.g. bird droppings, tree resins, insect remains, tar spots, road salt and industrial fall out).

You should repair paintwork damage caused by stones from the road or minor scratches as soon as possible. A choice of products is available from your Ford Dealer. Read and follow the manufacturer's instructions.

Vehicle battery

BATTERY CARE

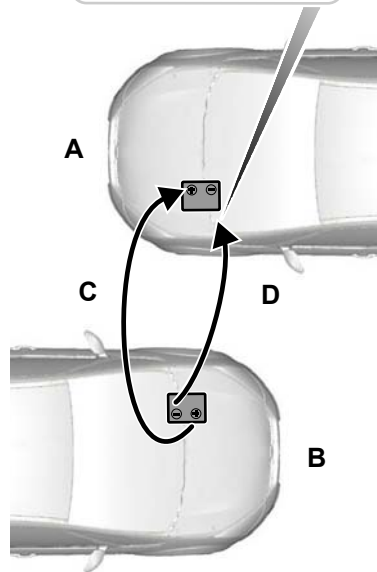
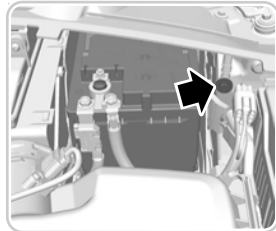
The battery requires very little maintenance. The fluid level is checked regularly during the routine service inspections.

USING BOOSTER CABLES

CAUTIONS

- ⚠ Connect batteries with only the same nominal voltage.
- ⚠ Always use booster cables with insulated clamps and adequate size cable.
- ⚠ Do not disconnect the battery from the vehicle's electrical system.

To connect the booster cables



E75183


- A Flat battery vehicle
- B Booster battery vehicle
- C Positive connection cable
- D Negative connection cable

Vehicle battery

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**).
4. Connect the negative (-) terminal of vehicle **B** to the ground connection on the left-hand side suspension turret of vehicle **A** (cable **D**).

CAUTIONS


 **Do not connect to the negative (-) terminal of the flat battery.**

 Make sure that the jump leads are clear of any moving parts.

To start the engine

1. Run the engine of vehicle **B** at moderately high speed.
2. Start the engine of vehicle **A**.
3. Run both vehicles for a minimum of three minutes before disconnecting the cables.

CAUTION

 Do not switch on the headlamps when disconnecting the cables. The peak voltage could blow the bulbs.

Disconnect the cables in the reverse order.

Wheels and tyres

GENERAL INFORMATION

CAUTIONS

! Use only approved wheel and tyre sizes. Using other sizes could damage the vehicle and will make the National Type Approval invalid.

! If you change the diameter of the tyres from that fitted at the factory, the speedometer may not display the correct speed. Take the vehicle to your dealer to have the engine management system reprogrammed.

A decal with tyre pressure data is located in the driver's door opening at the B-pillar.

Check and set the tyre pressure at the ambient temperature in which you are intending to drive the vehicle and when the tyres are cold.

CHANGING A ROAD WHEEL

Locking wheel nuts

You can obtain a replacement locking wheel nut key and replacement locking wheel nuts from your dealer using the reference number certificate.

Vehicle jack

Your vehicle is not equipped with a vehicle jack or a wheel brace.

It is recommended to use a workshop type hydraulic jack for changing between summer and winter tyres.

Jacking and lifting points

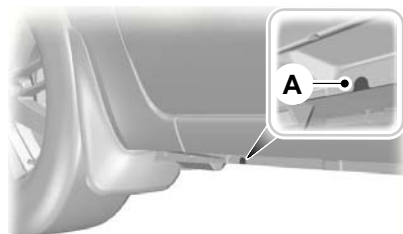
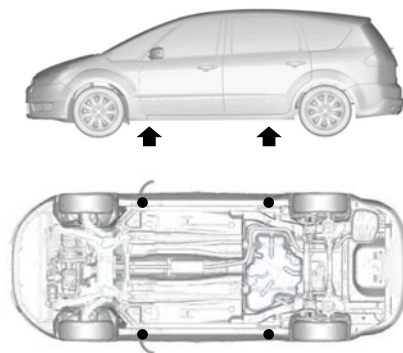
WARNING

! Never place anything between the jack and the ground, or the jack and the vehicle.

CAUTION

! 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.

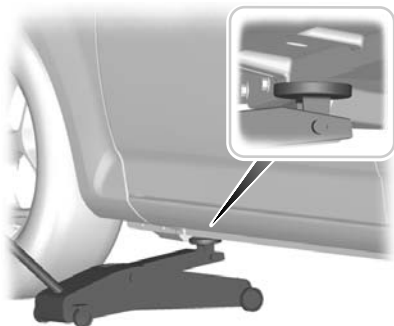
Note: Use a jack with a minimum lifting capacity of 1.5 tonnes and a lifting plate with a minimum diameter of 80 millimetres (3.1 inches).



E90708

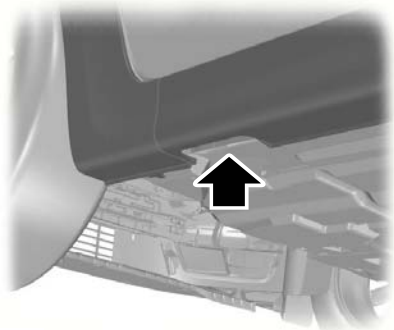
Indentations in the sills **A** show the location of the jacking points.

Wheels and tyres



E93020

Vehicles with side skirts





E90709









Place the lifting plate through the cut out on the underside of the skirt.

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.

WARNINGS

-  Make sure that the vehicle is on firm, level ground with the wheels pointing straight ahead.
-  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.
-  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 tyres point in the direction of rotation when the vehicle is moving forwards. If you have to fit a spare wheel with the arrows pointing in the opposite direction, have the tyre 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.

CAUTION

-  Do not lay alloy wheels face down on the ground, this will damage the paint.

1. Remove the hub cap or cover.

Wheels and tyres




E71948

2. Install the locking wheel nut key.
3. Slacken the wheel nuts.
4. Jack up the vehicle until the tyre is clear of the ground.
5. Remove the wheel nuts and the wheel.

Installing a road wheel

WARNINGS

 Use only approved wheel and tyre sizes. Using other sizes could damage the vehicle and will make the National Type Approval invalid. See **Technical specifications** (page 233).

 Do not fit run flat tyres on vehicles that were not originally fitted with them. Please contact your dealer for more details regarding compatibility.

CAUTION

 Do not install alloy wheels using wheel nuts designed for use with steel wheels.

Note: You can use wheel nuts designed for use with alloy wheels with steel wheels.

Note: Make sure the wheel and hub contact surfaces are free from foreign matter.

Note: Make sure that the cones on the wheel nuts are against the wheel.

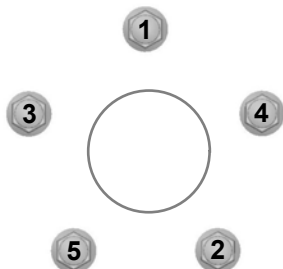
1. Install the wheel.
2. Install the wheel nuts finger tight.



E71948

3. Install the locking wheel nut key.

Wheels and tyres



E75442

4. Partially tighten the wheel nuts in the sequence shown.
5. Lower the vehicle and remove the jack.
6. Fully tighten the wheel nuts in the sequence shown. See **Technical specifications** (page 233).
7. Install the hub cap or cover using the ball of your hand.

WARNING



Have the wheel nuts checked for tightness and the tyre pressure checked as soon as possible.

TYRE REPAIR KIT

Your vehicle is not equipped with a spare tyre, but does include an emergency tyre repair kit that can be used to repair **one** flat tyre.

The tyre repair kit is located in the underfloor storage compartment. See **Storage compartments** (page 128).

General information

WARNINGS



Depending on the type and extent of tyre damage, some tyres can only be partially sealed or not sealed at all. Loss of tyre pressure can affect vehicle handling, leading to loss of vehicle control.



Do not use the tyre repair kit if the tyre has already been damaged as a result of being driven under inflated.



Do not try to seal damage other than that located within the visible tread of the tyre.



Do not try to seal damage to the tyre's sidewall.

The tyre repair kit seals most tyre punctures [with a diameter of up to six millimetres (1/4 inch)] to temporarily restore mobility.


Observe the following rules when using the kit:


- **Drive with caution and avoid making sudden steering or driving manoeuvres**, especially if the 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 tyre dealer, or to drive a maximum distance of 200 kilometres (125 miles).
- Do not exceed a **maximum speed of 80 km/h (50 mph)**.
- Keep the kit out of the reach of children.
- Only use the kit when the ambient temperature is between -30°C (-22°F) and $+70^{\circ}\text{C}$ ($+158^{\circ}\text{F}$).

Wheels and tyres


Using the tyre repair kit

WARNINGS

 Compressed air can act as an explosive or propellant.

 Never leave the tyre repair kit unattended while in use.

CAUTION


 Do not keep the compressor operating for more than 10 minutes.

Note: Use the tyre repair kit only 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 the vehicle will not move.
- Do not attempt to remove foreign objects like nails or screws penetrating the tyre.
- Leave the engine running while the kit is in use, but not if the vehicle is in an enclosed or poorly ventilated area (for example, inside a building). In these circumstances, switch the compressor on with the engine turned off.
- Replace the sealant bottle with a new one before the expiry date (see top of bottle) is reached.
- Inform all other users of the vehicle that the tyre has been temporarily sealed with the tyre repair kit and make them aware of the special driving conditions to be observed.


Inflating the tyre


WARNINGS

 Check the sidewall of the tyre prior to inflation. If there are any cracks, bumps or similar damage, do not attempt to inflate the tyre.


 Do not stand directly beside the tyre while the compressor is pumping.

 Watch the sidewall of the tyre. If any cracks, bumps or similar damage appear, turn off the compressor and let the air out by means of the pressure relief valve **B**. Do not continue driving with this tyre.

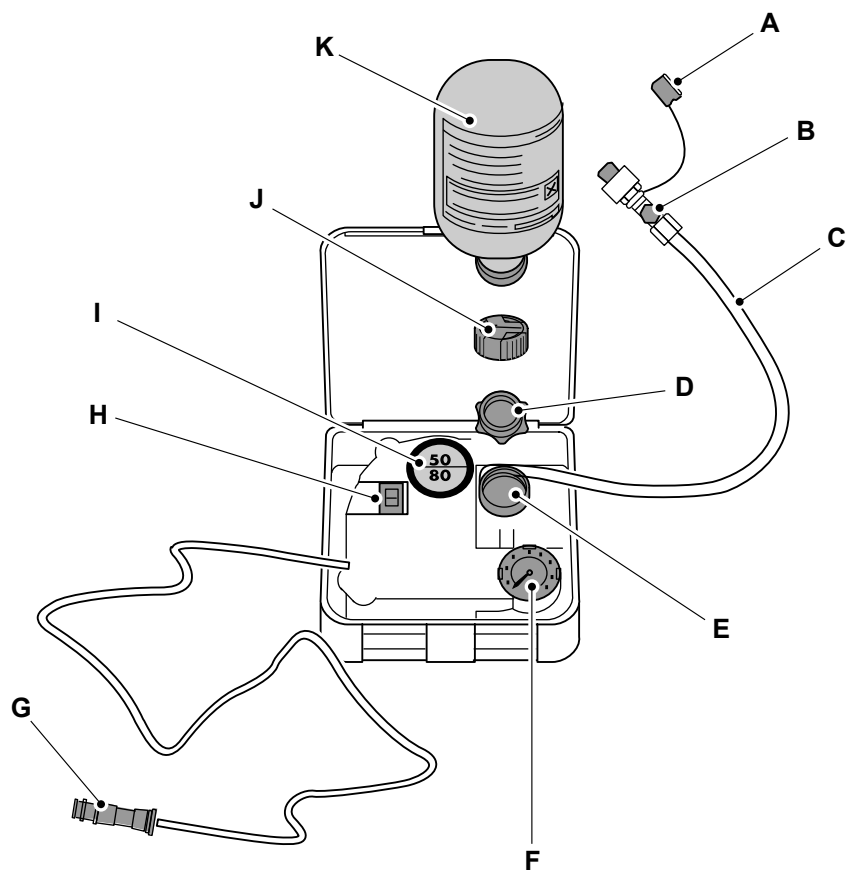
 The sealant contains natural rubber latex. Avoid contact with skin and clothing. If this happens, rinse the affected areas immediately with plenty of water and contact your doctor.

 If the tyre inflation pressure does not reach 1.8 bar (26 psi) within seven minutes, the tyre may have suffered excessive damage, making a temporary repair impossible. In this case, do not continue driving with this tyre.

CAUTION

 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.

Wheels and tyres



E94973

- A Protective cap
- B Pressure relief valve
- C Hose
- D Orange cap

Wheels and tyres

- E Bottle holder
- F Pressure gauge
- G Power plug with cable
- H Compressor switch
- I Label
- J Bottle lid
- K Sealant bottle

1. Open the lid of the tyre repair kit.
2. Peel off the label **I** showing the maximum permissible speed of 80 km/h (50 mph) from the casing and attach it to the instrument panel in the driver's field of view. Make sure the label does not obscure anything important.
3. Take the hose **C** and the power plug with cable **G** out of the kit.
4. Unscrew the orange cap **D** and the bottle lid **J**.
5. Screw the sealant bottle **K** clockwise into the bottle holder **E** fully tight.
6. Remove the valve cap from the damaged tyre.
7. Detach the protective cap **A** from the hose **C** and screw the hose **C** firmly onto the valve of the damaged tyre.
8. Make sure that the compressor switch **H** is in position **O**.
9. Insert the power plug **G** into the cigar lighter socket or auxiliary power socket. See **Cigar lighter** (page 126). See **Auxiliary power sockets** (page 126).
10. Start the engine.
11. Move the compressor switch **H** to position **1**.
12. Inflate the tyre for no longer than seven 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 **H** to position **O** and check the current tyre pressure with pressure gauge **F**.
13. Remove the power plug **G** from the cigar lighter socket or auxiliary power socket.
14. Quickly unscrew the hose **C** from the tyre valve and replace the protective cap **A**. Fasten the valve cap again.
15. Leave the sealant bottle **K** in the bottle holder **E**.
16. Make sure the kit, the bottle lid and the orange cap are stored safely, but still easily accessible in the vehicle. The kit will be required again when you check the tyre pressure.
17. Immediately drive approximately three kilometres (two miles) so that the sealant can seal the damaged area.

Note: When pumping in the sealant through the tyre valve, the pressure may rise up to 6 bar (87 psi) but will drop again after about 30 seconds.

Wheels and tyres

WARNING



If you experience heavy vibrations, unsteady steering behaviour or noises while driving, reduce your speed and drive with caution to a place where it is safe for you to stop the vehicle. Recheck the tyre and its pressure. If the tyre 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 tyre.

Checking the tyre pressure

1. Stop the vehicle after driving approximately three kilometres (two miles). Check, and where necessary, adjust the pressure of the damaged tyre.
2. Attach the kit and read the tyre pressure from the pressure gauge **F**.
3. If the pressure of the sealant-filled tyre is 1.3 bar (19 psi) or more, adjust it to the specified pressure. See **Technical specifications** (page 233).
4. Follow the inflation procedure once again to top up the tyre.
5. Check the tyre pressure again from the pressure gauge **F**. If the tyre pressure is too high, deflate the tyre to the specified pressure using the pressure relief valve **B**.
6. Once you have inflated the tyre to its correct tyre pressure, move the compressor switch **H** to position **O**, remove the power plug **G** from the socket, unscrew the hose **C**, fasten the valve cap and replace the protective cap **A**.
7. Leave the sealant bottle **K** in the bottle holder **E** and store the kit away safely in its original location.

8. Drive to the nearest tyre specialist to get the damaged tyre replaced. Before the tyre is removed from the rim, inform your tyre dealer that the tyre contains sealant. Renew the kit as soon as possible after it has been used once.

Note: Remember that emergency roadside tyre repair kits only provide temporary mobility. Regulations concerning tyre repair after usage of tyre repair kit may differ from country to country. You should consult a tyre specialist for advice.

WARNING



Before driving, make sure the tyre is adjusted to the recommended inflation pressure. See **Technical specifications** (page 233). Monitor the tyre pressure until the sealed tyre is replaced.

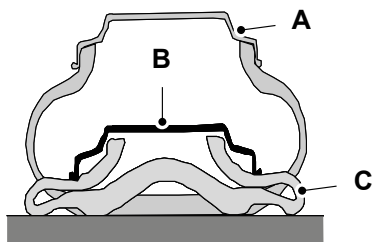
Empty sealant bottles can be disposed of together with normal household waste. Return remains of sealant to your dealer or dispose of it in compliance with local waste disposal regulations.

Wheels and tyres

RUN FLAT TYRES

Principle of operation

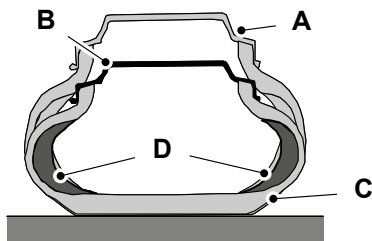
Standard tyre



E75207

- A Wheel rim position with correct tyre pressure
- B Wheel rim position with insufficient tyre pressure
- C Tyre

Run flat tyre



E87667

- A Wheel rim position with correct tyre pressure
- B Wheel rim position with insufficient tyre pressure
- C Tyre
- D Reinforced sidewall

When a standard tyre experiences a drastic loss of inflation pressure, the rim of the wheel brings the full weight of the vehicle to bear on the collapsed sidewalls. You can barely manoeuvre the vehicle and the tyre is destroyed.

Run flat tyres have sturdy, reinforced sidewalls that support the rim should the tyre suffer a loss of inflation pressure.

What to do if a run flat tyre has a puncture

Due to the run-flat properties of these tyres, you may not notice any tyre defect. Your vehicle is equipped with a tyre pressure monitoring system that alerts you to any drop in tyre pressure. See **Technical specifications** (page 233).

In the event of a tyre defect:

- immediately slow down to a maximum speed of 80 km/h (50 mph)
- avoid sudden or erratic braking and steering manoeuvres and be especially careful negotiating bends
- do not drive more than 80 kilometres (50 miles) after the defect is detected
- have the defective tyre replaced as soon as possible.

Replacing run flat tyres

WARNINGS



Make sure that the workshop is aware that your vehicle is equipped with special run flat tyres.



Never repair or reuse run flat tyres that are damaged or have been driven on run flat.

If a run flat tyre has to be replaced, have the respective wheel rim inspected for any damage.

Wheels and tyres

WARNINGS



Do not fit a mixture of run flat and standard tyres. In isolated cases, a standard tyre can be temporarily mounted on a vehicle otherwise equipped with run flat tyres. It must be pointed out to the driver that the standard tyre has no runflat properties.



Do not fit run flat tyres on vehicles that were not originally fitted with them. Please contact your dealer for more details regarding compatibility.

Run flat tyres may be sold and mounted only by specially trained and certified tyre dealers.

TYRE CARE



E70415

To make sure the front and rear tyres of your vehicle wear evenly and last longer, we recommend that you swap the tyres from front to rear and vice versa at regular intervals of between 5 000 and 10 000 km (3 000 and 6 000 miles).

CAUTION



Do not scrub the sidewalls of the tyres when you are parking.

If you have to mount a kerb, do so slowly and approach it with the wheels at right-angles to the kerb.

Examine the tyres regularly for cuts, foreign objects and uneven wear of the tread. Uneven wear could mean that the wheel alignment is outside specification.

Check the tyre pressures (including the spare) when cold, every two weeks.

USING WINTER TYRES

CAUTION



Make sure that you use the correct wheel nuts for the type of wheel the winter tyres are fitted to.

If winter tyres are used, make sure that the tyre pressures are correct. See **Technical specifications** (page 233).

USING SNOW CHAINS

WARNINGS



Do not exceed 50 km/h (30 mph).



Do not use snow chains on snow-free roads.



Do not fit snow chains to 225/50 R 17 or 235/45 R 18 tyres.

CAUTION



If your vehicle is fitted with wheel trims, remove them before fitting snow chains.

Note: The ABS will continue to operate normally.

Only use small link snow chains.

Only use snow chains on the front wheels.

Wheels and tyres

TYRE PRESSURE MONITORING SYSTEM

WARNINGS



The system does not relieve you of your responsibility to regularly check the tyre pressures.



The system will only provide a low tyre pressure warning. It will not inflate the tyres.



The system may take longer to detect low pressure in the tyres if you have fitted snow chains.



Do not drive on significantly under-inflated tyres. This may cause the tyres to overheat and fail.

Under-inflation reduces fuel efficiency, tyre tread life and may also affect your ability to drive the vehicle safely.

CAUTIONS



Do not bend or damage the valves when you are inflating the tyres.



Have tyres installed by properly trained technicians.

The system monitors the pressure in the tyres using sensors located on the wheels and a receiver located in your vehicle. When the system detects low pressure in the tyres, a warning message is displayed in the information display. See **Information messages** (page 94).

If a low pressure warning message is displayed in the information display, check the tyre pressures as soon as possible and inflate them to the recommended pressure. See **Technical specifications** (page 233). If this happens frequently, have the cause determined and rectified as soon as possible.

Checking the tyre pressures

Note: If the tyre pressures are greater than or equal to 3.3 bar (48 lbf/in²), you will see the + symbol below the pressure value. The system only measures pressure up to 3.3 bar (48 lbf/in²). The + symbol indicates that the tyre pressures may be higher.

Note: Type 3 instrument clusters have a slightly different menu structure. Select **Settings** first to access **Information**.

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Information** with the up and down buttons and press the right arrow button.
3. Highlight **Tyre Pressures** with the up and down buttons and press the right arrow button.
4. Highlight the desired setting and press the **OK** button to confirm the setting.
5. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

Setting the vehicle load

Note: Type 3 instrument clusters have a slightly different menu structure. Select **Settings** first to access **Setup**.

Correct tyre pressure settings depend on vehicle load. See **Technical specifications** (page 233). The system can only detect low pressure if you have entered the current vehicle load.

1. Press the right arrow button on the steering wheel to enter the main menu.
2. Highlight **Setup** with the up and down buttons and press the right arrow button.

Wheels and tyres

3. Highlight **Tyre Pressures** with the up and down buttons and press the right arrow button.
4. Highlight the desired setting and press the **OK** button to confirm the setting.
5. Press the left arrow button to exit the menu. Hold the left arrow button pressed to return to the trip computer display.

TECHNICAL SPECIFICATIONS

Wheel nut torque

Wheel type	Nm (lb-ft)
All	170 (125)

Tyre pressures (cold tyres)

Up to 160 km/h (100 mph)

Tyre pressures

Variant	Tyre size	Normal load		Full load	
		Front	Rear	Front	Rear
		bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)
2.0L Duratec-HE and 2.3L Duratec-HE	215/60 R 16	2.2 (32)	2.4 (35)	2.6 (38)	3.1 (45)
2.0L Duratec-HE and 2.3L Duratec-HE	225/50 R 17	2.2 (32)	2.2 (32)	2.6 (38)	3.1 (45)
2.0L Duratec-HE and 2.3L Duratec-HE	235/45 R 18	2.2 (32)	2.2 (32)	2.6 (38)	3.1 (45)
All except 2.0L Duratec-HE and 2.3L Duratec-HE	215/60 R 16	2.4 (35)	2.4 (35)	2.6 (38)	3.1 (45)
All except 2.0L Duratec-HE and 2.3L Duratec-HE	225/50 R 17	2.4 (35)	2.2 (32)	2.6 (38)	3.1 (45)

Wheels and tyres

Variant	Tyre size	Normal load		Full load	
		Front	Rear	Front	Rear
		bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)
All except 2.0L Duratec-HE and 2.3L Duratec-HE	235/45 R 18	2.4 (35)	2.2 (32)	2.6 (38)	3.1 (45)

Continuous speed in excess of 160 km/h (100 mph)

Tyre pressures

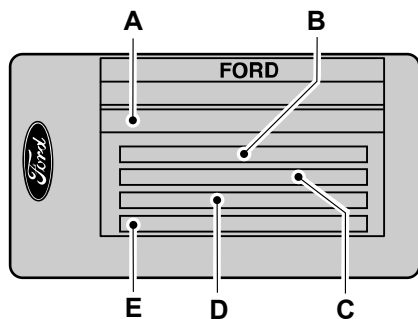
Variant	Tyre size	Normal load		Full load	
		Front	Rear	Front	Rear
		bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)
2.0L Duratec-HE and 2.3L Duratec-HE	215/60 R 16	2.2 (32)	2.4 (35)	2.6 (38)	3.1 (45)
2.0L Duratec-HE and 2.3L Duratec-HE	225/50 R 17	2.2 (32)	2.2 (32)	2.6 (38)	3.1 (45)
2.0L Duratec-HE and 2.3L Duratec-HE	235/45 R 18	2.2 (32)	2.2 (32)	2.6 (38)	3.1 (45)
2.5L Duratec-ST	215/60 R 16	2.6 (38)	2.6 (38)	2.8 (41)	3.2 (46)
2.5L Duratec-ST	225/50 R 17	2.6 (38)	2.6 (38)	2.8 (41)	3.2 (46)
2.5L Duratec-ST	235/45 R 18	2.6 (38)	2.6 (38)	2.8 (41)	3.2 (46)
1.8L Duratorq-TDCi and 2.0L Duratorq-TDCi	215/60 R 16	2.4 (35)	2.4 (35)	2.6 (38)	3.1 (45)
1.8L Duratorq-TDCi and 2.0L Duratorq-TDCi	225/50 R 17	2.4 (35)	2.2 (32)	2.6 (38)	3.1 (45)
1.8L Duratorq-TDCi and 2.0L Duratorq-TDCi	235/45 R 18	2.4 (35)	2.2 (32)	2.6 (38)	3.1 (45)
2.2L Duratorq-TDCi	215/60 R 16	2.5 (36)	2.4 (35)	2.6 (38)	3.1 (45)

Wheels and tyres

Variant	Tyre size	Normal load		Full load	
		Front	Rear	Front	Rear
		bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)	bar (lbf/in ²)
2.2L Duratorq-TDCi	225/50 R 17	2.5 (36)	2.3 (33)	2.6 (38)	3.1 (45)
2.2L Duratorq-TDCi	235/45 R 18	2.5 (36)	2.3 (33)	2.6 (38)	3.1 (45)

Vehicle identification

VEHICLE IDENTIFICATION PLATE

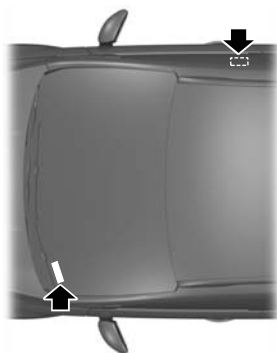


E85610

- A Vehicle identification number
- B Gross vehicle weight
- C Gross train weight
- D Maximum front axle weight
- E Maximum rear axle weight

The vehicle identification number and maximum weights are shown on a plate located on the lock side of the passenger door aperture at the bottom.

VEHICLE IDENTIFICATION NUMBER (VIN)



E87496

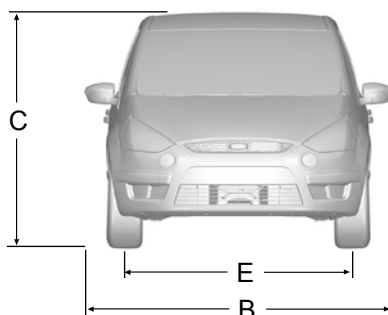
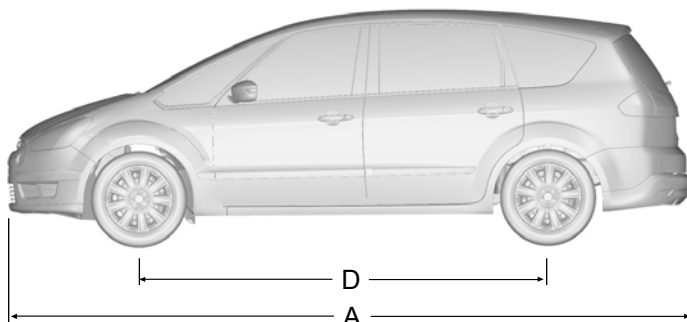
The vehicle identification number is stamped into the floor panel on the right-hand side, beside the front seat. It is also shown on the left-hand side of the instrument panel.

Technical specifications

TECHNICAL SPECIFICATIONS

Vehicle dimensions

S-MAX



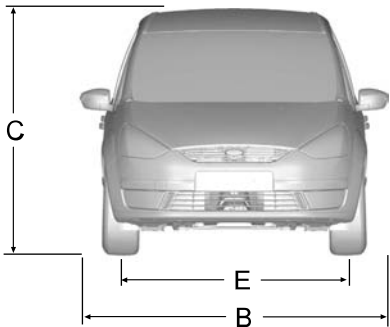
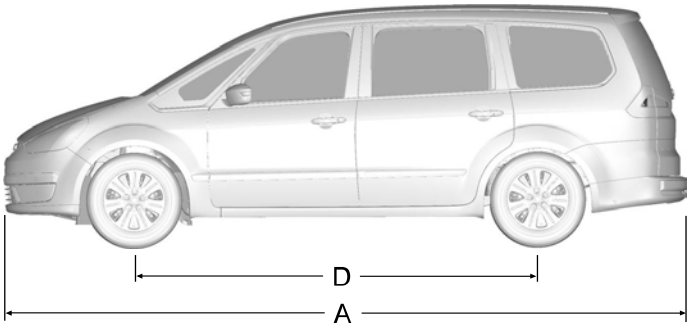
E75180

Item	Dimension description	Dimension in mm (inches)
A	Maximum length	4 768 (187.7)
B	Overall width including exterior mirrors	2 154 (84.8)
C	Overall height at EC kerb weight	1 610 - 1 658 (63.4 - 65.3)

Technical specifications

Item	Dimension description	Dimension in mm (inches)
D	Wheelbase	2 850 (112.2)
E	Front track	1 578 - 1 588 (62.1 - 62.5)
E	Rear track	1 600 - 1 610 (63 - 63.4)

Galaxy



E76860

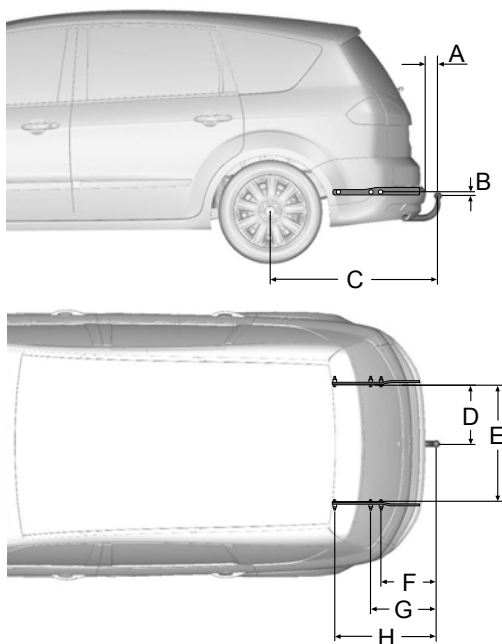
Technical specifications

Item	Dimension description	Dimension in mm (inches)
A	Maximum length	4 820 (189.8)
B	Overall width including exterior mirrors	2 154 (84.8)
C	Overall height at EC kerb weight without roof bars	1 691 - 1 764 (66.6 - 69.4)
C	Overall height at EC kerb weight including roof bars	1 770 - 1 807 (69.7 - 71.1)
D	Wheelbase	2 850 (112.2)
E	Front track	1 578 - 1 588 (62.1 - 62.5)
E	Rear track	1 600 - 1 610 (63 - 63.4)

Technical specifications

Towing equipment dimensions

S-MAX



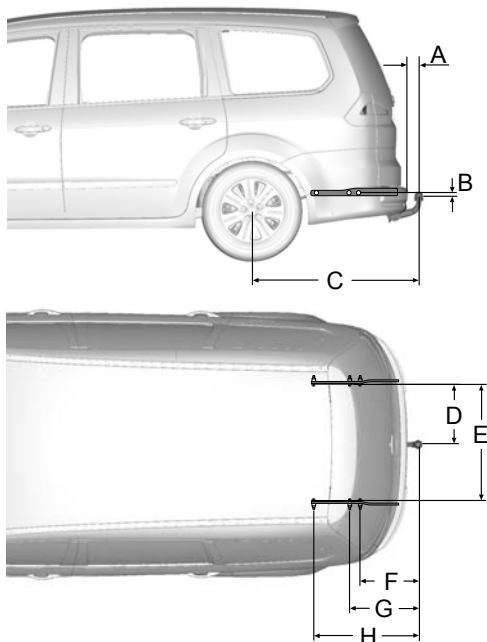
E75182

Item	Dimension description	Dimension in mm (inches)
A	Bumper – end of tow ball	102 (4.02)
B	Attachment point – centre of tow ball	16 (0.63)
C	Wheel centre – centre of tow ball	1 079 (42.48)
D	Centre of tow ball – side member	438 (17.24)
E	Inner side of side member	876 (34.49)
F	Centre of tow ball – centre 1. attachment point	363 (14.29)

Technical specifications

Item	Dimension description	Dimension in mm (inches)
G	Centre of tow ball – centre 2. attachment point	424 (16.69)
H	Centre of tow ball – centre 3. attachment point	636 (25.04)

Galaxy



E75181


Item	Dimension description	Dimension in mm (inches)
A	Bumper – end of tow ball	101 (3.98)
B	Attachment point – centre of tow ball	16 (0.63)
C	Wheel centre – centre of tow ball	1 128 (44.41)

Technical specifications

Item	Dimension description	Dimension in mm (inches)
D	Centre of tow ball – side member	438 (17.24)
E	Inner side of side member	876 (34.49)
F	Centre of tow ball – centre 1. attachment point	412 (16.22)
G	Centre of tow ball – centre 2. attachment point	473 (18.62)
H	Centre of tow ball – centre 3. attachment point	685 (26.97)

GENERAL INFORMATION

CAUTION


 Using the system with the engine off will drain the battery.

This section describes the functions and features of the Bluetooth mobile phone hands free system.

The Bluetooth mobile phone part of the system provides interaction with the audio or navigation system and your mobile phone. It allows you to use the audio or navigation system to make and receive calls without having to use your mobile phone.

Compatibility of phones

CAUTION

 As no common agreement exists, mobile phone manufacturers are able to implement a variety of profiles in their Bluetooth devices. Because of this, an incompatibility can occur between the phone and hands-free system, which in some cases may significantly degrade the system performance. To avoid this situation, only recommended phones should be used.

Please visit the website **www.ford-mobile-connectivity.com** for full details.

Phones with Symbian operating system

Note: *Certain phones require a special file to be installed to enable full phonebook access via Bluetooth.*

*This is referred to as a SIS file and will be available to download via the Ford website **www.ford-mobile-connectivity.com**.*

TELEPHONE SETUP

Phonebook

Note: *It may be necessary to confirm phonebook access to the Bluetooth system via the mobile phone.*

After start up access to the phonebook list can be delayed for several minutes, depending upon the size.

Phonebook categories

Depending on your phonebook entry, different categories can be displayed in the audio unit.

For example:

M	Mobile
O	Office
H	Home
F	Fax

Note: *Entries may be displayed without a category attachment.*

The category can also be indicated as an icon:



Phone



Mobile



Home



Office



Fax

Telephone

Making a phone an active phone

When using the system for the first time, no phone is connected to the system.

After switching on the ignition and the audio unit, the Bluetooth phone must be bonded to the system.

Bluetooth phone

After bonding a Bluetooth phone to the system, this becomes the active phone. For further information refer to the phone menu.

Select the phone from the active phone menu.

Turning the ignition and radio or navigation unit back on again, the last active phone is picked up by the system.

Note: *In some cases the Bluetooth connection must also be confirmed on the phone.*

Bond another Bluetooth phone

Bond a new Bluetooth phone as described in the requirements for a Bluetooth connection.

Phones stored in the system are accessible by using the phone list on the audio unit.

Note: *A maximum of six devices may be bonded. If six Bluetooth devices have already been bonded, one of these has to be debonded in order to bond a new device.*

BLUETOOTH SETUP

Before you can use your telephone with your vehicle it must be bonded to the vehicle telephone system.

Handling of phones

Up to six Bluetooth devices can be bonded to the vehicle system.

Note: *If there is an ongoing call when the phone in use is selected as the new active phone, the call is transferred to the vehicle audio system.*

Note: *Even if connected to the car system, your phone can still be used in the usual way.*

Requirements for Bluetooth connection

The following are required before a Bluetooth phone connection can be made.

1. The Bluetooth feature must be activated on the phone and on the audio unit. Make sure the Bluetooth menu option in the audio unit is set to **ON**. For information on phone settings, refer to your phone user guide.
2. The private mode must not be activated on the Bluetooth phone.
3. Search for audio device.
4. Select **Ford Audio**.
5. Enter the code number shown on the vehicle display using the phone keypad. If no code number is shown on the display, enter the Bluetooth PIN number 0000 using the phone keypad. Now enter the Bluetooth PIN number shown on the vehicle display.

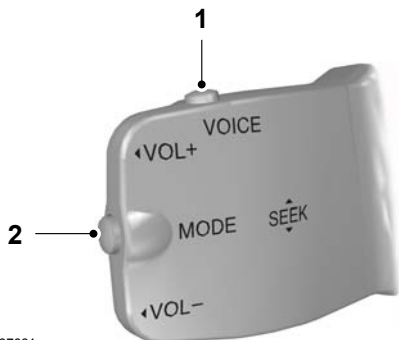
Note: *A phone call will be disconnected if the audio unit is switched off. If the ignition key is turned to the off position the phone call will remain in progress.*

Telephone

TELEPHONE CONTROLS

Remote control

Voice and mode button



E87661

- 1 Voice button
- 2 Mode button

Incoming calls can be accepted by pressing the MODE button once. Press the button again to end the call.

USING THE TELEPHONE - VEHICLES WITHOUT NAVIGATION SYSTEM

This chapter describes the phone functions of the audio unit.

Note: Refer to your audio guide for details of the controls.

An active phone must be present.

Even if connected to the audio unit, your phone can still be used in the usual way.

Note: You can exit the phone menu by pressing any source button **CD**, **AM/FM** or **AUX**.

Making a call

Dialling a number using voice control

Phone numbers can be dialled using voice control. See **Telephone commands** (page 261).

Dialling a number using the address book

You can access your phone address book via Bluetooth. The entries will appear in the unit display.

1. Press the **PHONE** or the call accept button.
2. Press the **MENU** button.
3. Keep pressing the **MENU** button until **PHONEBOOK** appears.
4. Press the seek buttons to select the desired phone number.

Note: Press and hold the seek button to skip to the next letter in the alphabet.

5. Press the **PHONE** or the call accept button to dial the selected phone number.

Dialling a number using the address book - Sony radio

You can access your phone address book via Bluetooth. The entries will appear in the unit display.

1. Press the **PHONE** button.
2. Press the seek button until the phone book is shown.
3. Press the up/down arrow buttons to select the desired phone number.

Note: Press and hold the up/down arrow buttons to skip to the next letter in the alphabet.

4. Press the **PHONE** or the call accept button to dial the selected phone number.

Telephone

Dialling a number using the telephone keypad

If you have an audio unit with a telephone keypad (buttons 0-9, * and #):

1. Press the call accept button. Press the **PHONE** button if you have a Sony radio.
2. Dial the number using the telephone keypad on the audio unit.
3. Press the call accept button.

Note: If you enter an incorrect digit whilst entering a phone number, press the seek left button to erase the last digit. A long press will erase the complete string of digits.

Press and hold **0** to enter a + digit.

Ending a call

Calls can be ended by pressing the call reject button.

Audio units without a telephone keypad can also end a call by pressing either **PHONE**, **CD**, **AM/FM** or **ON/OFF**, or by pressing the **MODE** button on the remote control

Redialling a number

1. Press the **PHONE** or the call accept button.
2. Press the **MENU** button.
3. Select the **CALL OUT** list or the **CALL IN** list. On some audio units, select the **MISSED**, **INCOMING** or **OUTGOING** calls list.

Note: If the active phone does not provide a call out list, the last outgoing call number/entry can be redialled.

4. Press the seek button on the audio unit.
5. Press the **PHONE** or the call accept button to dial the desired phone number.

Redialling a number - Sony radio

1. Press the **PHONE** or the call accept button.
2. Press the seek button until the desired list is displayed.

Note: If the active phone does not provide a call out list, the last outgoing call number/entry can be redialled.

3. Press the up/down buttons to select the desired phone number.
4. Press the **PHONE** or the call accept button to dial the phone number.

Redialling the last dialled number - Sony radio

1. Press the call accept button.
2. Press the call accept button a second time to dial the number.

Receiving an incoming call

Accepting an incoming call

Incoming calls can be accepted by pressing either the call accept button, the **PHONE** button or the **MODE** button on the remote control.

Rejecting an incoming call

Incoming calls can be rejected by pressing the call reject button.

Audio units without a telephone keypad can also reject a call by pressing either **PHONE**, **CD**, **AM/FM** or **ON/OFF**.

Receiving a second incoming call

Note: The second incoming call function must be activated in your phone.

If there is an incoming call whilst there is an ongoing call, a beep will be heard and you will have the option to end the active call and to accept the incoming call.

Telephone

Accepting a second incoming call

Second incoming calls can be accepted by pressing either the call accept button, the **PHONE** button, or the **MODE** button on the remote control.

Rejecting a second incoming call

Second incoming calls can be rejected by pressing the call reject button. Units without a telephone keypad can also reject a second incoming call by pressing the **CD** button, or the **AM/FM** button.

Muting the microphone

During a call, it is possible to mute the microphone. Whilst muted, confirmation will appear in the display.

Audio units with green call accept button

Press the call accept button. Press the button once again to turn this function off.

Audio units without green call accept button

Press the seek up or down button. Press the button once again to turn this function off.

Changing the active phone

Note: *Phones must be bonded to the system before they can be made active.*

Using the station storage button

Note: *This process is only for audio units without a telephone keypad.*

1. Press the **PHONE** button on the audio unit.
2. Press the preset number required (using the station preset buttons 1 - 6).

Using the audio unit menu

Note: *After bonding a phone to the system, this becomes the active phone.*

1. Press the **PHONE** or call accept button.
2. Press the **MENU** button on the audio unit.
3. Select the **ACTIVE PHONE** option on the audio unit.
4. Scroll through the different stored phones by using the seek buttons to display the bonded phones.
5. Press the **MENU** button to select the phone which is to be the active phone.

Debonding a bonded phone

A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the **PHONE** or call accept button.
2. Press the **MENU** button on the audio unit.
3. Select the **DEBOND** option on the audio unit.
4. Scroll through the different phones by using the seek buttons and display the phone to be debonded.
5. Press the **MENU** button to select the phone which is to be debonded.

Debonding a bonded phone - Sony radio

A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the **PHONE** button.
2. Press the up/down arrow buttons until you reach the **DEBOND** option.

Telephone

3. Scroll through the different phones by using the seek buttons and display the phone to be debonded.
4. Press the OK button to be debond.

USING THE TELEPHONE - NAVIGATION SYSTEM

This chapter describes the phone functions of the Navigation System.

Note: Refer to your *Navigation System guide* for details of the controls.

An active phone must be present.

Even if connected to the Navigation System, your phone can still be used in the usual way.

Making a call

Dialling a number

Phone numbers can be dialled using voice control. See **Voice control** (page 250).

Ending a call

Calls can be ended by pressing either the **END** button, the **MODE** button on the remote switch or the **ON/OFF** button on the navigation system.

Redialling a number

1. Press the **PHONE** button on the unit.
2. Select **REDIAL**.

Receiving an incoming call

Accepting an incoming call

Incoming calls can be accepted by pressing either the call accept button, the **MODE** button on the remote control, the **PHONE** button on the unit or by using the **ACCEPT** option in the menu.

Rejecting an incoming call

Incoming calls can be rejected by pressing either the call reject button, the **CD** or **AM/FM** buttons on the unit, or by using the **REJECT** option in the menu.

Receiving a second incoming call

Note: The second incoming call function must be activated in your phone.

If there is an incoming call, whilst there is an ongoing call, a beep will be heard and you will have the option to end the active call and to accept the incoming call.

Accepting a second incoming call

Second incoming calls can be accepted by pressing either the call accept button, the **MODE** button on the remote control, the **PHONE** button on the unit or by using the **ACCEPT** option in the menu.

Note: This will cancel the ongoing call.

Rejecting a second incoming call

Second incoming calls can be rejected by pressing either the call reject button, or one of the following buttons on the unit: **CD**, **AM/FM**.

Muting the microphone

During a call, it is possible to mute the microphone. Whilst muted, confirmation will appear in the display.

DVD navigation units

Press the mute button (symbol of a microphone with a line through it). Press the button once again to turn this function off.

CD navigation units

Press the microphone mute button. Press the button once again to turn this function off.

Changing the active phone

Note: *Phones must be bonded to the system before they can be made active.*

Note: *After bonding a phone to the system, this becomes the active phone.*

1. Press the **PHONE** button on the unit.
2. Using the **BT SETTINGS** option in the menu, select the active phone from the list.

Debonding a bonded phone

A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the **PHONE** button on the unit.
2. Select the **BT SETTINGS** option in the menu.
3. Select the **DEBOND** option in the menu.
4. Select the phone from the list.

Voice control

PRINCIPLE OF OPERATION

CAUTION



Using the system with the engine off will drain the battery.

Voice recognition enables operation of the system without the need to divert your attention from the road ahead in order to change settings, or receive feedback from the system.

Whenever you issue one of the defined commands with the system active, the voice recognition system converts your command into a control signal for the system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Please familiarise yourself with the functions of the system before using voice recognition.

Supported commands

The voice control system allows you to control the following vehicle functions:

- Bluetooth phone
- radio
- CD Player/CD Changer
- external device (USB)
- external device (iPod)
- SD card
- automatic climate control
- navigation system (DVD units only - refer to separate DVD navigation handbook).

Note: *The voice control system is language specific. If you require the system to operate in another language please consult your dealer.*

System response

As you work through a voice session the system will prompt you with a beep tone each time the system is ready to proceed.

Do not try to give any commands until the beep tone has been heard. The voice control system will repeat each spoken command back to you.

If you are not sure how to continue say "HELP" for assistance or "CANCEL" if you do not wish to continue.

The "HELP" function provides only a subset of the available voice commands. Detailed explanations of all possible voice commands can be found on the following pages.

Voice commands

All voice commands should be given using a natural speaking voice, as if speaking to a passenger or on the phone. Your voice level should be dependant on the surrounding noise level inside or outside the vehicle but do not shout.

USING VOICE CONTROL

System operation

The order and content of the voice controls are given in the following lists. The tables show the sequence of user voice commands and system responses for each available function.

<> indicates a number or stored name tag to be inserted by the user.

Short cuts

There are a number of voice command short cuts available, which allow you to control some vehicle features without having to follow the complete command menu. These are:

Voice control

- phone: "MOBILE NAME", "DIAL NUMBER", "DIAL NAME", and "REDIAL"
- CD player/CD changer: "DISC" and "TRACK"
- automatic climate control: "TEMPERATURE", "AUTO MODE", "DEFROSTING/DEMISTING ON" and "DEFROSTING/DEMISTING OFF"
- radio: "TUNE NAME"
- external device (USB): "TRACK"
- external device (iPod): "TRACK"
- SD card: "TRACK".

Start communicating with the system

Before you can start talking to the system you first have to press the **VOICE** or **MODE** button for each operation and wait until the system answers with a beep. See (page 250).

Press the button again to cancel the voice session.

Name tag

The name tag functionality can support the phone, audio and navigation features by using the "STORE NAME" function. You can assign name tags to items such as favourite radio stations and personal phone contacts. See **Audio unit commands** (page 251). See **Telephone commands** (page 261). See **Navigation system commands** (page 266).

- Store up to 20 name tags per function.
- The average recording time for each name tag is approximately 2-3 seconds.

AUDIO UNIT COMMANDS

CD Player

You can control playback directly by voice control.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"CD PLAYER"
"HELP"
"PLAY"
"TRACK"*
"SHUFFLE ALL"
"SHUFFLE FOLDER"**
"SHUFFLE OFF"
"REPEAT FOLDER"**

Voice control

"CD PLAYER"
"REPEAT TRACK"
"REPEAT OFF"

* Can be used as a shortcut.

** Only available if the CD contains audio data files like MP3 or WMA.

Track

You can choose a track on your CD directly.

Steps	User says	System answer
1	"CD PLAYER"	"CD PLAYER"
2	"TRACK"*	"TRACK NUMBER PLEASE"
3	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

** Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245)

Shuffle all

To set random playback.

Steps	User says	System answer
1	"CD PLAYER"	"CD PLAYER"
2	"SHUFFLE ALL"	

CD Changer

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

Voice control

"CD CHANGER"
"HELP"
"PLAY"
"DISC"*
"TRACK"*
"SHUFFLE ALL "
"SHUFFLE CD"
"SHUFFLE FOLDER" **
"SHUFFLE OFF"
"REPEAT CD"
"REPEAT FOLDER" **
"REPEAT TRACK"
"REPEAT OFF"

* Can be used as a shortcut.

** Only available if the CD contains audio data files like MP3 or WMA.

Disc

If you have a CD changer you can choose the disc number.

Steps	User says	System answer
1	"CD CHANGER"	"CD CHANGER"
2	"DISC"*	"DISC NUMBER PLEASE"
3	"<a number between 1 and 6>"	"DISC <number>"

* Can be used as a shortcut.

Track

You can choose a track on your CD directly.

Voice control

Steps	User says	System answer
1	"CD CHANGER"	"CD CHANGER"
2	"TRACK"*	"TRACK NUMBER PLEASE"
3	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

** Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245)

Shuffle CD

To set random playback within the CD contents.

Steps	User says	System answer
1	"CD CHANGER"	"CD CHANGER"
2	"SHUFFLE CD"	

Radio

The radio voice commands support the functionality of the radio and allow you to tune radio stations by voice control.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu.

" RADIO "
"HELP"
"AM"
"FM"
"TUNE NAME"*
"DELETE NAME"
"DELETE DIRECTORY"
"PLAY DIRECTORY"
"STORE NAME"

Voice control

"RADIO"
"PLAY"

* Can be used as a shortcut.

Tune frequency

This function allows you to tune your radio by voice commands.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"AM"	"AM FREQUENCY PLEASE"
	"FM"	"FM FREQUENCY PLEASE"
3	"<frequency>"*	"TUNE <frequency>"

* The frequency may be entered in a variety of ways. Refer below for representative examples.

FM band: 87.5 - 108.0 in increments of 0.1

- "Eighty nine point nine" (89.9)
- "Ninety" (90.0)
- "One hundred point five" (100.5)
- "One zero one point one" (101.1)
- "One zero eight" (108.0)

AM/MW band: 531 - 1602 in increments of 9

AM/LW band: 153 - 281 in increments of 1

- "Five thirty one" (531)
- "Nine hundred" (900)
- "Fourteen forty" (1440)
- "Fifteen zero three" (1503)
- "Ten eighty" (1080)

Store name

If you have tuned a radio station, you can store it with a name in the directory.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"STORE NAME"	"STORE NAME" "NAME PLEASE"
3	"<name>"	"REPEAT NAME PLEASE"
4	"<name>"	"STORING NAME" "<name> STORED"

Voice control

Tune name

This function allows you to call up a stored radio station.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"TUNE NAME"*	"NAME PLEASE"
3	"<name>"	"TUNE <name>"

* Can be used as a shortcut.

Delete name

This function allows you to delete a stored radio station.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"DELETE NAME"	"NAME PLEASE"
3	"<name>"	"DELETE <name>" "CONFIRM YES OR NO"
4	"YES"	"DELETED"
	"NO"	"COMMAND CANCELLED"

Play directory

This function allows you to let the system tell you all of the stored radio stations.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"PLAY DIRECTORY"	"PLAY <DIRECTORY>"

Delete directory

This function allows you to delete all stored radio stations at once.

Voice control

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"DELETE DIRECTORY"	"DELETE DIRECTORY" "CONFIRM YES OR NO"
3	"YES"	"RADIO DIRECTORY DELETED"
	"NO"	"COMMAND CANCELLED"

Play

This function switches the audio source to the radio mode.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"PLAY"	

External devices - USB

These voice commands support the functionality of an external USB device which may be connected to the audio unit.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"EXTERNAL DEVICE", "USB"
"HELP"
"PLAY"
"TRACK"*
"PLAYLIST"**
"FOLDER"***
"SHUFFLE ALL"
"SHUFFLE FOLDER"
"SHUFFLE PLAYLIST"

Voice control

"EXTERNAL DEVICE", "USB"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT FOLDER"
"REPEAT OFF"

* Can be used as a shortcut.

** Playlists and folders activated by voice control must be assigned special filenames. See **General information** (page 269).

USB play

This function allows you to switch the audio source to the attached USB device.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"USB"	"USB"
3	"PLAY"	

USB Track

You can choose a track on your USB device directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"USB"	"USB"
3	"TRACK"	"TRACK NUMBER PLEASE"
4	"<a number between 1 and 99>"*	"TRACK <number>"

* Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245)

Voice control

External devices - iPod

These voice commands support the functionality of an iPod which may be connected to the audio unit.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"EXTERNAL DEVICE", "IPOD"
"HELP"
"PLAY"
"TRACK"*
"PLAYLIST"**
"SHUFFLE ALL"
"SHUFFLE PLAYLIST"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT OFF"

* Can be used as a shortcut.

** Playlists activated by voice control must be assigned special filenames. See **General information** (page 269).

iPod Track

You can choose a track off the all titles list of your iPod directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"IPOD"	"IPOD"
3	"TRACK"*	"TRACK NUMBER PLEASE"
4	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

Voice control

** Additionally, numbers can be spoken as up to five single digits (for example "5", "2", "4", "5", "3" for track 52453), to a limit of 65535.

iPod playlist

You can choose a playlist from your iPod directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"IPOD"	"IPOD"
3	"PLAYLIST"*	"PLAYLIST NUMBER PLEASE"
4	"<a number between 1 and 10>"	"PLAYLIST <number>"

* Playlists activated by voice control must be assigned special filenames. See **General information** (page 269).

SD Card

These voice commands support the functionality of an SD card which has suitable audio files written to it.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"SD CARD"
"HELP"
"PLAY"
"TRACK"*
"SHUFFLE ALL "
"SHUFFLE FOLDER"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT FOLDER"
"REPEAT OFF"

* Can be used as a shortcut.

Voice control

SD card play

This function allows you to switch the audio source to the SD card audio files.

Steps	User says	System answer
1	"SD CARD"	"SD CARD"
2	"PLAY"	

SD card track

You can choose a track on your SD card directly.

Steps	User says	System answer
1	"SD CARD"	"SD CARD"
2	"TRACK"*	"TRACK NUMBER PLEASE"
3	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

** Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245).

TELEPHONE COMMANDS

Phone

Your phone system allows you to create an additional phonebook. The stored entries can be dialled by voice control. Phone numbers stored by using voice control are stored on the vehicle system and not in your phone.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"PHONE"
"HELP"
"MOBILE NAME"*

Voice control

"PHONE"
"DIAL NUMBER"*
"DIAL NAME"*
"DELETE NAME"
"DELETE DIRECTORY"
"PLAY DIRECTORY"
"STORE NAME"
"REDIAL "*
"ACCEPT CALLS"
"REJECT CALLS"

* Can be used as a shortcut.

Create a phonebook

Store name

New entries can be stored with the "STORE NAME" command. This feature can be used to dial a number by calling up the name instead of the full phone number.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"STORE NAME"	"STORE NAME" "NAME PLEASE"
3	"<name>"	"REPEAT NAME PLEASE"
4	"<name>"	"STORING NAME" "<name> STORED" "NUMBER PLEASE"
5	"<phone number>"	"<phone number>"
6	"STORE"	"STORING NUMBER" "<phone number>" "NUMBER STORED"

Voice control

Delete name

Stored names can also be deleted from the directory.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DELETE NAME"	"NAME PLEASE"
3	"<name>"	"DELETE <name>" "CONFIRM YES OR NO"
4	"YES"	"<name> DELETED"
	"NO"	"COMMAND CANCELLED"

Play directory

Use this function to let the system tell you all stored entries.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"PLAY DIRECTORY"	"PLAY DIRECTORY"

Delete directory

This function allows you to delete all entries in one go.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DELETE DIRECTORY"	"DELETE DIRECTORY" "CONFIRM YES OR NO"
3	"YES"	"DIRECTORY DELETED"
	"NO"	"COMMAND CANCELLED"

Voice control

Phone functions

Mobile name

This function allows you to access phone numbers stored with a name tag in your mobile phone.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"MOBILE NAME"*	"MOBILE NAME" "<phone dependent dialogue>"

* Can be used as a shortcut.

Dial number

Phone numbers can be dialled after giving the name tag voice command.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DIAL NUMBER"*	"NUMBER PLEASE"
3	"<phone number>"	"<phone number> CONTINUE?"
4	"DIAL"	"DIALLING"
	"CORRECTION"	"<repeat last part of number> CONTINUE?"

* Can be used as a shortcut.

Dial name

Phone numbers can be dialled after giving the name tag voice command.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DIAL NAME"*	"NAME PLEASE"
3	"<name>"	"DIAL <name>" "CONFIRM YES OR NO"

Voice control

Steps	User says	System answer
4	"YES"	"DIALLING"
	"NO"	"COMMAND CANCELLED"

* Can be used as a shortcut.

Redial

This function allows you to redial the last dialled phone number.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"REDIAL" *	"REDIAL" "CONFIRM YES OR NO"
3	"YES"	"DIALLING"
	"NO"	"COMMAND CANCELLED"

* Can be used as a shortcut.

DTMF (Tone dialling)

This function transfers spoken numbers into DTMF tones. For example, to make a remote enquiry to your home answering machine or to enter a PIN number etc.

Note: DTMF can only be used during an ongoing call. Press the VOICE button and wait for the system prompt.

Can only be used with vehicles installed with a dedicated VOICE button.

Steps	User says	System answer
1		"NUMBER PLEASE"
2	"<numbers 1 to 9, zero, hash, star>"	

Main settings

Reject calls

Calls can be set to be automatically rejected using voice control.

Voice control

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"REJECT CALLS"	"REJECT CALLS"
	"ACCEPT CALLS"*	"ACCEPT CALLS"

* use this command to turn the reject mode off

NAVIGATION SYSTEM COMMANDS

Please refer to your separate Navigation handbook for details of the command menus.

CLIMATE CONTROL COMMANDS

Climate

The climate voice commands supports the functionality of the fan speed, temperature and mode settings. Not all functions are available on all vehicles.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"CLIMATE"
"HELP"
"FAN"*
"DEFROSTING/DEMISTING ON"*
"DEFROSTING/DEMISTING OFF"*
"TEMPERATURE"*
"AUTO MODE"*

* Can be used as a shortcut. On vehicles fitted with an English language module the "FAN" shortcut is not available.

Voice control

Fan

This function allows you to adjust the fan speed.

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"FAN"*	"FAN SPEED PLEASE"
3	"MINIMUM"	"FAN MINIMUM"
	"<a number between 0 and 7>"	"FAN <number>"
	"MAXIMUM"	"FAN MAXIMUM"

* Can be used as a shortcut. On vehicles fitted with an English language module the "FAN" shortcut is not available.

Defrosting/Demisting

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"DEFROSTING ON/DEMISTING ON"*	"DEFROSTING ON/DEMISTING ON"
	"DEFROSTING OFF/DEMISTING OFF"*	"DEFROSTING OFF/DEMISTING OFF"

* Can be used as a shortcut.

Temperature

This function allows you to adjust the temperature.

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"TEMPERATURE"*	"TEMPERATURE PLEASE"
3	"MINIMUM"	"TEMPERATURE MINIMUM"

Voice control

Steps	User says	System answer
	"<a number between 15 and 29 °C with 0.5 increments>" or "<a number between 59 and 84 °F>"	"TEMPERATURE <number>"
	"MAXIMUM"	"TEMPERATURE MAXIMUM"

* Can be used as a shortcut.

Auto mode

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"AUTO MODE" *	"AUTO MODE"

* Can be used as a shortcut. Can be deactivated by selecting a different temperature or fan speed.

GENERAL INFORMATION

CAUTIONS



Take care when handling external devices with exposed electrical connectors (such as the USB plug).

Always replace the protective cap/shield when possible. There may be a risk of electrostatic discharge causing damage to the device.



Do not touch or handle the USB socket in the vehicle. Cover the socket when not in use.



Only use USB Mass-Storage device compliant devices.



Always switch your audio unit to a different source (for example the radio) before unplugging the USB device.



Do not install or connect USB hubs or splitters.

Note: *The system is only designed to recognize and read suitable audio files from a USB device that conforms to the USB Mass-Storage device class or an iPod. Not all available USB devices can be guaranteed to function with the system.*

Note: *It is possible to connect compatible devices with a trailing USB lead as well as those that plug into the vehicle USB socket directly (for example USB memory sticks and pen drives).*

Note: *Some USB devices with a higher power consumption may not be compatible (for example some larger hard drives).*

Note: *Access time to read the files on the external device will vary depending upon factors such as the file structure, size and device content.*

The system supports a range of external devices, to fully integrate with your audio unit via the USB and auxiliary input sockets. Once connected, control of the external device is possible via the audio unit.

A list of typical compatible devices are shown below:

- USB memory sticks
- USB portable hard drives
- MP3 players with USB connection
- iPod media players (refer to **www.ford-mobile-connectivity.com** for latest compatibility list).

The system is USB 2.0 full speed compatible, USB 1.1 host compliant and supports FAT 16/32 file systems.

Information on audio file structures for external devices

USB

Create only a single partition on the USB device.

If playlists are created, they must contain correct file paths referenced to the USB device. It is recommended to create the playlist after the audio files have been transferred to the USB device.

Playlists must be created in .m3u format.

Audio files must be in .mp3 format.

Do not exceed the following limits:

- 1000 items per folder (files, folders and playlists)
- 5000 folders per USB device (including playlists)
- 8 subfolder levels.

Connectivity

To enable voice control for custom playlists and folders, follow the procedure below:

- Create folders named with the structure **"Ford<*>"** where <*> is a number 1-10. For example **"Ford3"** without an extension.
- Create playlists named with the structure **"Ford<*>.m3u"** where <*> is a number 1-10. For example **"Ford5.m3u"** without any space between **"Ford"** and the number.

Thereafter, custom folders and playlists will be selectable with voice control. See **Audio unit commands** (page 251).


iPod

To enable voice control for custom playlists, create playlists named with the structure **"Ford<*>"** where <*> is a number 1-10. For example **"Ford7"** without any space between **"Ford"** and the number.

Thereafter, playlists will be selectable with voice control. See **Audio unit commands** (page 251).

CONNECTING AN EXTERNAL DEVICE

WARNING

 Make sure the external device is securely mounted within the vehicle, and that trailing connections do not obstruct any of the driving controls.

External devices may be connected using the auxiliary input socket and the USB port. See **Auxiliary input (AUX IN) socket** (page 132). See **USB port** (page 133).

Connection

Plug in the device, and if necessary secure it to prevent movement within the vehicle.

Connecting an iPod

For optimum convenience and audio quality, we recommend that you purchase a dedicated single connection lead available from your dealer.

Alternatively, it is possible to connect your iPod using the standard iPod USB cable and a separate 3.5mm audio jack lead. If using this method preset the iPod volume to maximum and turn off any equalizer settings before making the connections:

- Connect the headphone output of the iPod to the AUX IN socket.
- Connect the USB cable from the iPod to the vehicle USB socket.

USING A USB DEVICE

Various icons are used to identify types of audio file, folders etc.



USB device is the active source



Folder



Playlist



Album



Artist



Filename



Track title



Information not available

Sony radio

Operation

Select the USB device as the audio source by repeatedly pressing the **CD/AUX** button until USB appears in the display. After first connecting the USB device, the first track within the first folder will start to play automatically. Subsequently, following audio source switching, the position of playback on the USB device is remembered.

To browse the device contents, press the up/down arrow key or the OK button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the folder view.
- ">" after an entry indicates a further level down is readable (for example a folder named after an album, with individual album tracks within that folder).
- "<" before the list indicates that a further level up is readable.
- Icons to the left of track/folder text indicate the type of file/folder. Refer to the list for an explanation of these icons.

To navigate the USB device contents, use the up/down arrow keys to scroll through lists, and the left/right keys to move up or down within the folder hierarchy. Once your desired track, playlist or folder is highlighted, press the OK button to select playback.

Note: *If you wish to jump to the top level of the USB device contents, press and hold the left arrow key.*

Audio control

Press the left and right arrow keys to skip backwards and forwards through tracks.

Press and hold the left/right arrow keys to enable fast rewind/fast forward through track content.

Press the up/down arrow key or the OK button to browse the device contents.

Press the MENU key to enter the USB menu. It is possible to enable shuffle and repeat functions here with respect to folders and playlists.

Press the SCAN button to scan the whole device, current folder or a playlist if it is in operation.

Press the **INFO** button to display the following:

- filename
- title
- artist
- album
- track number and playing time.

Repeated button presses will scroll through these displays.

CD Navigation units

Operation

Select the USB device as the audio source by pressing the **CD/AUX** button until **DEVICES** appears in the display. Select **DEVICES** and then select **USB** from the available device list. After first connecting the USB device, the first track within the first folder will start to play automatically. Subsequently, following audio source switching, the position of playback on the USB device is remembered.

To browse the device contents, press the **SELECT** button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the folder view.
- ">" after an entry indicates a further level down is readable (for example a folder named after an album, with individual album tracks within that folder).
- "<" to the left hand side of the display indicates that a further level up is readable.
- Icons to the left of track/folder text indicate the type of file/folder. Refer to the list for an explanation of these icons.

To navigate the USB device contents, use the rotary scroll/select button to browse through lists. Push the button to expand the contents within the highlighted playlist or folder, or to commence playback of a particular track. Press **ESC** to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Rotate or press the **SELECT** button to browse the device contents.

Press **SHUFFLE** or **REPEAT** buttons to enable shuffle and repeat functions with respect to folders and playlists. Different options may appear depending upon whether or not a playlist is in operation.

Press the **SCAN** button to scan the current playlist if it is in operation, or the complete USB device or folder.

Press the **INFO** button to display the following:

- filename
- title
- artist
- album
- track number and playing time.

DVD Navigation units

Operation

Select the USB device as the audio source by pressing the **CD/AUX** button until the **USB** button appears to the left of the display. Select **USB** from the available device list.

Note: *Some devices may be shown but not selectable, depending if the device is connected or not.*

After first connecting the USB device, the first track within the first folder will start to play automatically. Subsequently, following audio source switching, the position of playback on the USB device is remembered.

Connectivity

To browse the device contents, press the scroll up or down arrow button.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the folder view.
- ">" after an entry indicates a further level down is readable (for example a folder named after an album, with individual album tracks within that folder).
- "<" to the left hand side of the display indicates that a further level up is readable.
- Icons to the left of track/folder text indicate the type of file/folder. Refer to the list for an explanation of these icons.

To navigate the USB device contents, use the scroll buttons to browse through lists. Push the button to expand the contents within the highlighted playlist or folder, or to commence playback of a particular track. Press the left arrow key to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Press the scroll bar arrow keys to browse the device contents.

Press SHUFFLE or REPEAT buttons to enable shuffle and repeat functions with respect to folders and playlists.

Press the SCAN button to scan the current playlist if it is in operation, or the complete USB device or folder.

Press the **INFO** button to display the following:

- filename
- title
- artist
- album
- track number and playing time.

USING AN IPOD

Various icons are used to identify types of audio file, folders etc.



iPod is the active source



iPod playlist



iPod artist



iPod album



iPod genre



iPod song



iPod generic category



iPod generic media file

Sony radio

Operation

Select the iPod as the audio source by repeatedly pressing the **CD/AUX** button until iPod appears in the display.

Connectivity

The iPod menu list for browsing contents will be available through the radio display. Navigation of the contents follows the same principles as for iPod standalone use (for example search by artist, title, etc.). To browse the iPod contents, press the up/down arrow key or the OK button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the list view.
- ">" after an entry indicates a further level down is readable (for example all albums by a particular artist).
- "<" before the list indicates that a further level up is readable.
- An icon on the left side indicates the type of the currently displayed list (for example list of albums). Refer to the list for an explanation of these icons.

To navigate the iPod contents, use the up/down arrow keys to scroll through lists, and the left/right keys to move up or down within the hierarchy. Once your desired track, playlist, album, artist or genre is highlighted, press the OK button to select playback.

Note: *If you wish to jump to the top level of the iPod contents, press and hold the left arrow key.*

Audio control

Press the left and right arrow keys to skip backwards and forwards through tracks.

Press and hold the left/right arrow keys to enable fast rewind/fast forward through track content.

Press the up/down arrow key or the OK button to browse the iPod contents.

Press the **MENU** key to enter the iPod menu. It is possible to enable shuffle and repeat functions here. It is also possible to enable the iPod "Shuffle songs" option directly from the top level.

Press the **SCAN** button to scan the currently selected tracks.

Press the **INFO** button to display the following:

- title
- artist
- track number and playing time.

Repeated button presses will scroll through these displays.

CD Navigation units

Operation

Select the iPod as the audio source by pressing the **CD/AUX** button until **DEVICES** appears in the display. Select **DEVICES** and then select iPod from the available device list.

The iPod menu list for browsing contents will be available through the display. Navigation of the contents follows the same principles as for iPod standalone use (for example search by artist, title, etc.). To browse the iPod contents, press the **SELECT** button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the list view.
- ">" after an entry indicates a further level down is readable (for example all albums by a particular artist).

Connectivity

- "<" before the list indicates that a further level up is readable.
- An icon on the left side indicates the type of the currently displayed list (for example list of albums). Refer to the list for an explanation of these icons.

To navigate the iPod contents, use the rotary scroll/select button to browse through lists. Push the button to expand the contents within the highlighted playlist, album, artist, genre or to commence playback of a particular track. Press **ESC** to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Rotate or press the **SELECT** button to browse the iPod contents.

Press the **MENU** key to enter the iPod menu. It is possible to enable shuffle and repeat functions here. It is also possible to enable the iPod "Shuffle songs" option directly from the top level.

Press the **SCAN** button to scan the currently selected tracks.

Press the **INFO** button to display the following:

- title
- artist
- track number and playing time.

DVD Navigation units

Operation

Select the iPod as the audio source by pressing the **CD/AUX** button until the iPod button appears to the left of the display. Select iPod from the available device list.

Note: *Some devices may be shown but not selectable, depending if the device is connected or not.*

The iPod menu list for browsing contents will be available through the display. Navigation of the contents follows the same principles as for iPod standalone use (for example search by artist, title, etc.). To browse the iPod contents, press the scroll up or down arrow button.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the list view.
- ">" after an entry indicates a further level down is readable (for example all albums by a particular artist).
- "<" before the list indicates that a further level up is readable.
- An icon on the left side indicates the type of the currently displayed list (for example list of albums). Refer to the list for an explanation of these icons.

To navigate the iPod contents, use the scroll buttons to browse through lists. Push the button to expand the contents within the highlighted playlist, album, artist, genre or to commence playback of a particular track. Press the left arrow key to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Press the scroll bar arrow keys to browse the iPod contents.

Press the MENU key to enter the iPod menu. It is possible to enable shuffle and repeat functions here. It is also possible to enable the iPod "Shuffle songs" option directly from the top level.

Press the SCAN button to scan the currently selected tracks.

Press the **INFO** button to display the following:

- title
- artist
- track number and playing time.

Appendices


TYPE APPROVALS

Remote control

Note: We recommend that you use the remote control only in the countries listed.

If the type approval of your remote control is inspected, refer to the following table.

Remote control with flip key





Type approval of the remote control	
Country	Official test number
(A) (AL) (AND) (B) (BIH) (CH) (CY) (D) (DK) (E) (F) (FIN) (GB) (GBZ) (GR) (H) (HR) (I) (IRL) (L) (M) (MK) (N) (NL) (P) (RO) (S) (SLO) (TR) (UA) (YU)	Siemens VDO, 5WK4 8791 CE ¹
(BG)	Siemens VDO, 5WK4 8791, G
(CZ)	Siemens VDO, 5WK4 8791, CZ ¹
(IL)	Siemens VDO, 5WK4 8791, 00590 2003
(J)	Siemens VDO, 5WK4 8793
(PL)	Siemens VDO, 5WK4 8791, CLB/C/101/2003
(RC)	 電波 92LP0323
(SK)	Siemens VDO, 5WK4 8791, Csk ¹

¹ Hereby, Siemens VDO declares that this remote control is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

E76938

Appendices

Remote control without flip key

Type approval of the remote control	
Country	Official test number
(A) (B) (D) (DK) (E) (F) (FIN) (GB) (GR) (H) (I) (IRL) (IS) (L) (N) (NL) (P) (S)	CE 0499 0 ¹
(AUS) (BR) (GBZ) (M) (TR)	SIEMENS 433,92 MHz 5WK4 725/8686/8071
(CH)	BAKOM 97.0946.K.P.
(CY)	MCW 129/95 23/1997
(CZ)	 ČTÚ 1999 2 R 712
(IL)	272/3-1998
(NZ)	
(PL)	542/98
(RC)	 電波 88LP0012
(SK)	 TÚ R 119 SR 1999 2
(ZA)	Ref.No.: 3K43D/3R1B9/SPLS-RX9/98

¹ Hereby, Siemens VDO declares that this remote control is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

E76939

Appendices

Engine immobiliser


















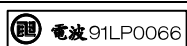


If the type approval of your engine immobiliser is inspected, refer to the following table.

Type approvals of the engine immobilisation system	
Country	Official test number
(A) (AND) (B) (CH) (D) (DK) (E) (F) (FIN) (FR) (GB) (GBZ) (GR) (H) (I) (IRL) (IS) (L) (LT) (N) (NL) (P) (RO) (S) (SLO)	CE 0682 0¹
(AL)	143
(AUS) (BIH) (BM) (ET) (FP) (GAB) (J) (JA) (KN) (KWT) (MAC) (PNG) (RL) (TT) (WD) (WL) (WV)	No number required
(BDS)	340/3 Vol. II
(BG)	ДКД P 14 085/2002
(BRN)	DLM/GEN/18/18/16
(BRU)	DRQ-D-PREMIER-10-1996-3860-LPD2-1667
(BY)	BY/112 03.2.3. II A2294
(CDN)	3043104475A

¹ Visteon Deutschland GmbH declares that the immobiliser system transceiver complies with the appropriate essential requirements of the Article 3 of the R&TE and the other relevant provisions.












E76940

Appendices

Type approvals of the engine immobilisation system	
Country	Official test number
	M.C.W 129/95/(11)
	
	SPLS/-485/2001
	<div style="border: 1px solid black; padding: 5px;"> <p>This device complies with the Telecommunication Law (over RoHS) and (RoHS) from Licensing Order</p> <p>此產品符合電訊（小功率器件）（豁免標準）令</p> <p>Certification No.: LP402055</p> <p>證書號碼:</p> <p>Office of the Telecommunications Authority 電訊管理局</p> </div>
	SRD 153/01
	4/U/U/4250
	(10/1900)
	451R
	WT/122/98 II
	F00053/1/2002
	RLVVVP03-324
	08 114/2
	ENG 3/2/RFS29
	OMA/1265(A) 1308/2001
	MŁ S.H. Nr 003/2002
	
	1381
	2003/348- OMERT/DC/CAA

E76941

Appendices

Type approvals of the engine immobilisation system	
Country	Official test number
	ESD- 0201430C
	 ME83 POCC DE.ME83.B02099
	IDA approved part LPREQ-0259-2002
	171
	B.61.TK.0.22.00.00/ 4940-2632
	5/10-2/3274/3774
 	NT8-15607PAT3XCVR
	11/1 01 009/2002 006
	SPLS/RX-485/2001

E76942

Alarm

If the type approval of your alarm is inspected, refer to the following official test numbers.

Appendices

e11 I-00 0012

E11 97R I-01 0012

e11 A-00 2236

E11 116R A-00 0084

E76974

TYPE APPROVALS

FCC/INDUSTRY CANADA NOTICE

This device complies with Part 15 of the FCC Rules. 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.

FCC ID: OW3RX-42

IC: 661AA-RX42

Changes or modifications to your device not expressly approved by the party responsible for compliance can void the user's authority to operate the equipment.

RX-42 - declaration of conformity

We, the party responsible for compliance, declare under our sole responsibility that the Handset Integration product RX-42 is in conformity with the provisions of the following Council Directive: 1999/5/EC. A copy of the Declaration of Conformity can be found at:

[www.nokia.com/
phones/declaration_of_conformity](http://www.nokia.com/phones/declaration_of_conformity)

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ELECTROMAGNETIC COMPATIBILITY

WARNINGS



Your vehicle has been tested and certified to European legislations relating to electromagnetic compatibility (2004/104/EC). It is your responsibility to ensure that any equipment you have fitted complies with applicable local legislations. Have any equipment fitted by properly trained technicians.



Radio frequency (RF) transmitter equipment (e.g. cellular telephones, amateur radio transmitters etc.) may only be fitted to your vehicle if they comply with 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.

Appendices

WARNINGS

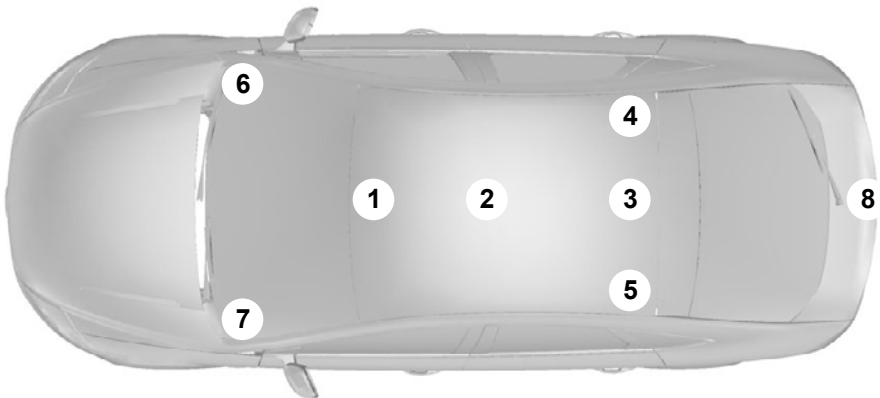


Do not fasten antenna cables to original vehicle wiring, fuel pipes and brake pipes.

WARNINGS



Keep antenna and power cables at least 100mm from any electronic modules and airbags.



E85998

Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
1 – 30	50 W	3, 8
30 – 54	50 W	2, 3
68 – 87.5	50 W	1, 2, 3, 4, 5
142 – 176	50 W	1, 2, 3, 4, 5
380 – 512	50 W	1, 2, 3, 4, 5
806 – 940	10 W (2 W ¹)	1, 2, 3, 4, 5 (6 ¹ , 7 ¹)
1200 – 1400	10 W	2
1710 – 1885	10 W (1 W ¹)	1, 2, 3, 4, 5 (6 ¹ , 7 ¹)
1885 – 2025	10 W (1 W ¹)	1, 2, 3, 4, 5 (6 ¹ , 7 ¹)

Appendices

Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
2400 – 2500	0.1 W	All positions

¹Only for GSM/3G cellular phones, with a patch antenna installed inside of the front windscreen.

Note: *After the installation of RF transmitters, check for disturbances from and to all electrical equipment in the 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 the vehicle cabin by the transmitter installed do not exceed human exposure limits specified in EU directive 2004/40/EC.

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