



BY APPOINTMENT TO  
HER MAJESTY QUEEN ELIZABETH II  
MANUFACTURERS OF DAIMLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY



BY APPOINTMENT TO  
HER MAJESTY QUEEN ELIZABETH  
THE QUEEN MOTHER  
MANUFACTURERS OF DAIMLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY



BY APPOINTMENT TO  
HIS ROYAL HIGHNESS THE PRINCE OF WALES  
MANUFACTURERS OF DAIMLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY

# S-TYPE

## OWNER'S HANDBOOK

Publication Part No. **JJM 18 02 16 701**

Published April 2006 by Technical Communications, **Jaguar Cars Limited**

**JAGUAR CARS LIMITED**, as manufacturer, is dedicated to the design and production of vehicles which meet the expectations of the world's most discerning purchasers.

This handbook forms part of the owner literature supplied with your vehicle. It is designed to complement the relevant features and systems of the vehicle, and make them easy to understand and operate. For safety and the pleasure you will get from your new vehicle, please take the time to get well acquainted with your vehicle by reading the handbooks.

**This handbook describes every option and model variant available and therefore some of the items covered may not apply to your particular vehicle.**

For the specification of a particular vehicle, owners should consult their Jaguar Dealer.

To cover changes, it is sometimes necessary to issue one or more handbook supplements. When reading this handbook, check the owner literature for possible supplements. Any further updates will be posted on the Jaguar Cars internet site and can be accessed at **[www.jaguar.com](http://www.jaguar.com)** in the **Owner Information** area.

For full details of the owner literature originally supplied with the vehicle, owners should consult their Jaguar Dealer.

Details of the vehicle warranty are contained within the **Passport to Service** book.

When left-hand or right-hand is used in the text, this refers to the left-hand side or right-hand side of the vehicle, viewed from the rear.

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# Quick Overview

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# Quick Overview

## LOCKING AND UNLOCKING

**Note:** *Dependent upon vehicle configuration, the operation of the remote handset may differ from the following.*

### Remote handset



JOL4689



Press to release door key



Press once to lock the vehicle and arm the alarm.

Press and hold to close the sunroof and any open windows (**Global closing**).



Press once to disarm the alarm, unlock the driver's door and unlock the luggage compartment.

Press again to unlock remaining doors.

Press and hold to open the sunroof and windows (**Global opening**).



Press once to switch the headlamps on for 25 seconds.



Press to unlock and open luggage compartment.

Single and two stage unlocking may be changed by pressing and holding the lock and unlock buttons on the remote handset simultaneously for four seconds.

### Unlocking with the door key

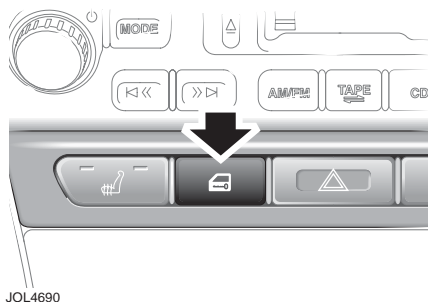
If the vehicle is unlocked manually via the door lock, the key must be inserted in the ignition switch within 15 seconds to prevent the alarm being activated.

# Quick Overview

## CENTRAL DOOR LOCKING

With the ignition switch in position **I** or **II**, press the facia switch to lock/unlock all the doors and luggage compartment.

To also close/open the windows and sunroof, press and hold the switch.



### Drive away door locking

The doors and luggage compartment will automatically lock when the vehicle's forward speed exceeds 7 km/h (5 mph).

This feature can be disabled by your Jaguar Dealer.

### Fuel filler flap

The driver's door must be unlocked, or the key in the ignition switch, before operating the fuel filler flap release button. See page 30.

## LUGGAGE COMPARTMENT

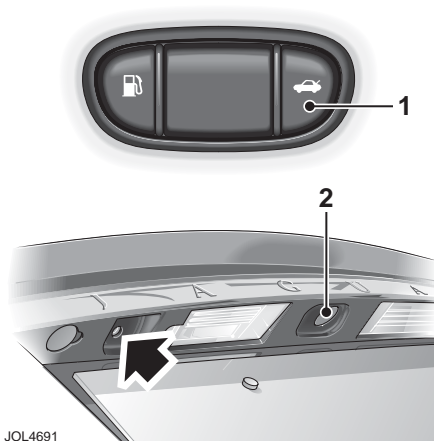
The luggage compartment is electrically locked and unlocked in conjunction with the driver's door.

To open the luggage compartment with the vehicle locked:

- Press the luggage compartment button on the remote handset.

To open the luggage compartment with the vehicle unlocked:

- Press the button on the facia **1**.
- Press the release button on the luggage compartment lid **2**.



In the event of a flat battery, or other problem opening the luggage compartment, use the ignition key in the luggage compartment lock (arrowed in illustration).

### Care Points

- Release buttons on the facia and luggage compartment lid are disabled when the vehicle is alarmed.
- The vehicle alarm will sound if the luggage compartment is opened with the key when the vehicle is double locked.

# Quick Overview

## CLOCK AJUSTMENT

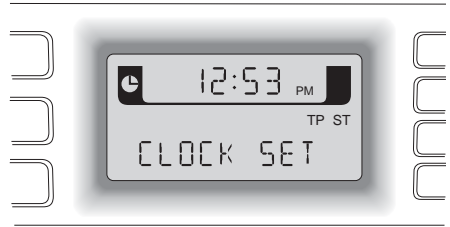
### Touch-screen



JOL4692

1. Touch the time display for three seconds to access clock setting mode.
2. To adjust the clock touch the up or down arrow icons.
3. Touch the **12/24** icon to select between twelve or twenty-four hour display.
4. Touch **Set** to confirm.

### Non-touch-screen



JOL4693

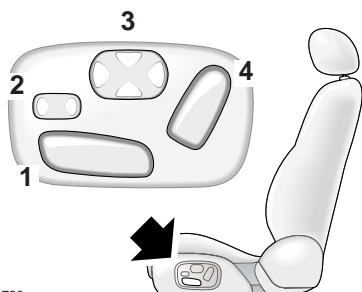
1. Press and hold the Audio **MODE** button until **TA VOLUME** is displayed.
2. Repeatedly press and release the **MODE** button until **CLOCK SET** is displayed.
3. Press the seek up/down keys to select either 12 or 24 hour format and press the **MODE** button to continue.
4. If 12 hour is selected, use the # key to denote **AM** or **PM**.
5. Enter the time in four-digit format using the key pad.
6. To exit, press and hold the **MODE** button until the display reverts to audio mode.

# Quick Overview

## SEATS

### Front seats

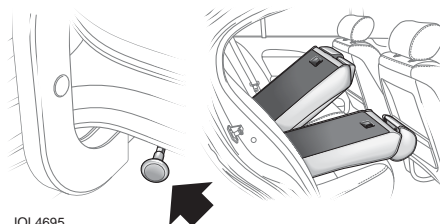
**Note:** *Driving Position Memory provides more information on automatic seat movement, see page 13.*



JOL4730

1. Seat fore/aft, cushion height and front tilt control switch.
2. Seat cushion extension switch.
3. Lumbar support switch.
4. Seat recline and headrest height adjustment switch.

### Rear folding seat



JOL4695

To provide a larger luggage compartment area, the backs of the rear seat can be folded down.

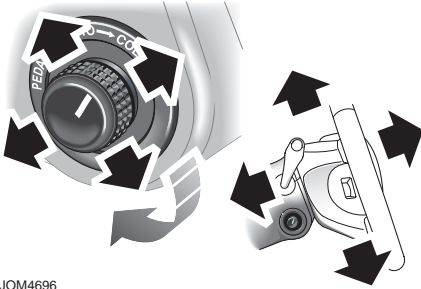
Pull the respective handle, located in the luggage compartment under the parcel shelf, to release the back of the seat.

When returning the seat to the upright position ensure seat belts are routed correctly and the back is securely locked in place.

# Quick Overview

## STEERING COLUMN AND PEDAL ADJUSTMENT

### Steering column



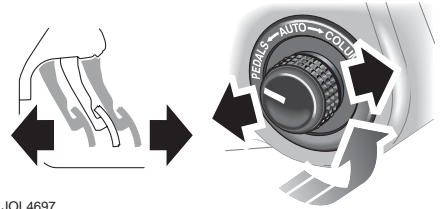
JOM4696

Turn the control on LH side of steering column to **COLUMN** and move control to adjust the height and reach.

### Automatic seat movement

To prevent automatic movement of the driver's seat when the ignition switch is turned on/off, turn the control to either **PEDALS** or **COLUMN**.

### Pedal adjustment



JOL4697

Turn the control to **PEDALS** and move to adjust the fore/aft position of the pedals.

### Drivers seat movement at ignition switch off

If the control is set to **AUTO**, the position of the steering column and driver's seat will automatically adjust to provide greater clearance for exit and entry when:

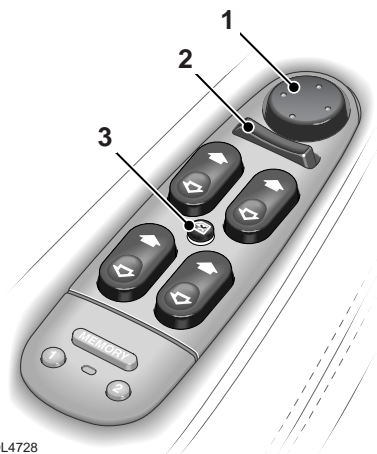
- the key is in the ignition switch and the driver's door is opened;
- the ignition key is removed.

# Quick Overview

## ELECTROCHROMATIC REAR VIEW MIRROR

With the ignition switch on, the rear view mirror will automatically darken in proportion to the amount of glare detected from the following vehicles' headlamps. This feature is automatically switched off when reverse gear is selected.

## WINDOWS/DOOR MIRRORS



Press button **3** to inhibit the operation of the rear window switches.

### Door mirrors

To adjust the door mirrors, press the mirror selector switch **2** left or right to select the appropriate mirror. Use the four-way switch **1** to adjust the position.

### Power fold mirrors

The mirrors can be folded towards the door for better clearance/protection. With the mirror selector switch **2** in the centre position, briefly press the rear of the four-way switch **1**. Press the rear of switch **1** again to unfold.

### Global closing

If a window has been left open when leaving the vehicle, it can be closed by pressing and holding the lock button on the remote handset (this will also close the sunroof).

## Windows

The windows are fitted with a facility that allows them to be fully opened or closed by briefly pressing the respective window switch. Press the switch again to stop window movement.

- To open the window, press and hold the rear of the switch until the desired position is reached, then release.
- To close the window, press and hold the front of the switch until the desired position is reached, then release.



# Quick Overview

## DRIVING POSITION MEMORY



Once you have adjusted the driver's seat, steering column, pedals and exterior mirrors for your ideal driving position, the vehicle can memorise these settings for future use.

- Push the **MEMORY** button and a red indicator in the switch will illuminate for 5 seconds.
- Whilst the indicator is illuminated, press button **1** or **2** to memorise the current settings.

The indicator will extinguish and an audible chime will sound to confirm that the settings are memorised. Any existing settings will be overwritten.

To recall a memorised driving position press button **1** or **2**.

## Remote handset programming

With the **MEMORY** button illuminated you can program a remote handset to a memory position by pressing any button on the remote handset and then pressing button **1** or **2**.

# Quick Overview

## SEAT BELTS/CHILD RESTRAINTS



### WARNING:

The use of front and rear seat belts is mandatory in most countries. Using seat belts saves lives. They should be worn by all occupants whenever the vehicle is in use.



A warning indicator on the instrument pack will illuminate to alert you that the driver's and/or front passenger's seat belt is unbuckled. Dependent upon specification this may be accompanied by an intermittent chime.

### Child Seats

It is important to remember that your child's weight, rather than age, determines the type of seat that is required.

Refer to **Child Safety** to determine the correct seat for your child, see page 74.

### Recommended child seat

Jaguar's recommended the use of a Lower Anchors and Tethers for CHildren's child seat with a top tether strap.

The LATCH child seat can only be fitted in the outer seating positions of the rear passenger seat.

### Automatic Locking Reels

Passenger seat belts have ALR fitted for use with child seats.

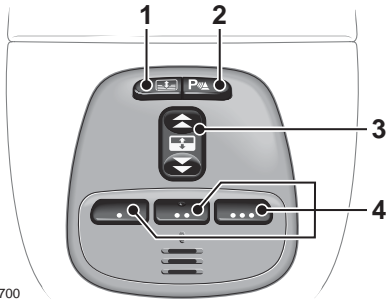
- To engage: extend the belt to maximum length to enable locking mechanism.
- To disengage: unbuckle the belt and allow belt to fully retract.

With ALR enabled, the seat belt will automatically lock, as it retracts, preventing re-extension.

Ensure passengers do not fully extend the restraints and inadvertently engage this feature during normal use.

# Quick Overview

## OVERHEAD CONSOLE



### Rear window blind

Press button 1 to raise the rear window blind. Press the button again to lower the blind.

### Parking assist

Press button 2 to turn off the front and rear parking sensors.

### Care points

- Sensors may activate on detection of water, snow or ice on their surface. This is entirely normal and regular cleaning will aid performance.
- Parking assist may sound if it detects a signal operating at the same frequency to that of the sensors (e.g. Motorcycles, Airbrakes).

## Sunroof

The sunroof is fitted with a facility that allows it to be fully opened or closed with a single operation of switch 3.

### Closing remotely

- If the sunroof has been left open when leaving the vehicle, it can be closed by pressing and holding the lock button on the remote handset.

## Garage door opener

The buttons 4 on the overhead console can be programmed to transmit radio frequencies that can operate external devices i.e. garage doors, entry gates, security systems, etc.

For more information, see page 1.


# Quick Overview

## CLIMATE CONTROL




JOL4701

These are the primary functions of the climate control system.

 For those vehicles fitted with the touch-screen navigation system, the advanced climate control functions can be accessed by pressing the **Climate** button.

### AUTO (automatic) mode


 Press to select automatic operation of the climate control system. The system will automatically adjust the heat output, blower speed, air intake and airflow distribution to maintain the selected temperature(s) and reduce misting without constant adjustments by the driver or passengers.

Screen heaters and timed air recirculation may be selected whilst in **AUTO** mode. Selecting any other function will cancel **AUTO** operation.

### Recommended mode


- Select **AUTO** as the normal operating mode. This will help prevent window misting and odours from the climate control system.

### Dual temperature zones

 With the **DUAL** button LED illuminated. The system provides separate temperature control of the driver and front passenger zones.

Press the button to deselect dual mode, the temperature of the passenger zone will automatically adjust to that of the driver's zone and the temperature of both zones will be controlled by the driver's temperature control buttons.

### Temperature selection

 Press the red buttons to increase temperature and the blue buttons to decrease temperature.

To quickly jump from **HI** or **LO** to a mid range temperature setting, press and hold the **AUTO** button for a few seconds.

# Quick Overview

## Air conditioning (A/C)



JOL4702



Air conditioning is an integral part of the climate control system, providing cooled and dehumidified air for occupant comfort; the dry airflow is also effective in preventing misting of the windows.

Press button to switch the air conditioning system on or off. Air conditioning is controlled automatically when the vehicle is in **AUTO** mode.

Deselecting **A/C** will cancel **AUTO** mode.

### *External water deposits*

- The air conditioning system removes moisture from the air and deposits the excess water beneath the vehicle. Puddles may form, but this is normal and no cause for concern.

## Windscreen defrost/demist



Press the DEF button to remove frost or heavy misting from the windscreen. The rear screen and windscreen heaters will be activated.

To deselect defrost mode, press **AUTO**. The rear screen and windscreen heaters will remain on.

## Heated screens and door mirrors



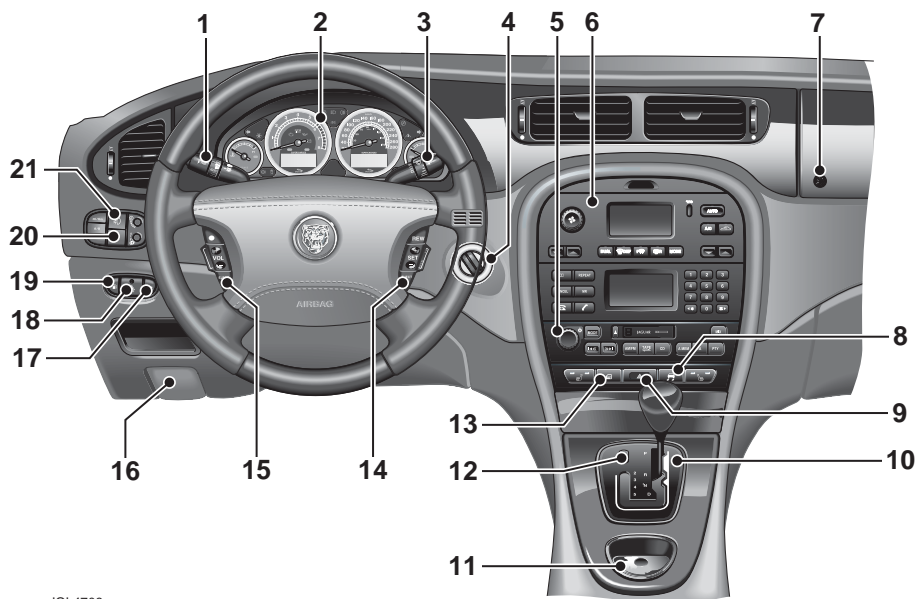
The front and rear screen heaters can be switched on or off in any mode, even when the climate control system is off, but will only operate when the engine is running.

Operating the **DEF** button will automatically activate the front and rear screen heaters.

The door mirror heaters are controlled by the rear screen heater button.

# Quick Overview

## FACIA AND CONTROLS



JOL4706

1. Direction indicators/exterior lamps/trip computer switch (121)
2. Instrument cluster/warning indicators (97)
3. Wiper/washer switch (132)
4. Ignition switch (42)
5. Audio system
6. Heating and ventilation system (156)
7. Passenger airbag deactivation switch (71)
8. DSC switch (146)
9. Hazard warning switch (125)
10. Gear selector lever (141)
11. Parkbrake (134)
12. Sport mode switch (142)
13. Master locking switch (49)
14. Cruise control switches (113, 115)
15. Audio/telephone switches
16. Hood release switch (192)
17. Fuel filler flap switch (152)
18. Adaptive cruise control forward alert switch (119)
19. Luggage compartment switch (51)
20. Rear fog lamp switch (123)
21. Front fog lamp switch (123)

# Quick Overview

## Passenger airbag deactivation indicator



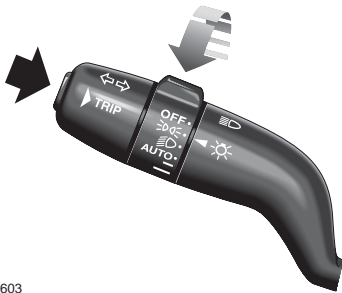
Based upon the weight and size of the occupant or object on the seat, the passenger airbag deactivation indicator may illuminate to confirm the airbag has been deactivated. THIS IS NORMAL.

For further information refer to **Occupant Protection**, see page 59.

## Automatic exterior lamps

If Autolamps is selected, and the windscreen wipers are operated continuously for more than 20 seconds, then the exterior lamps will be switched **ON** automatically.

## EXTERIOR LAMPS/TRIP COMPUTER



JOL4603

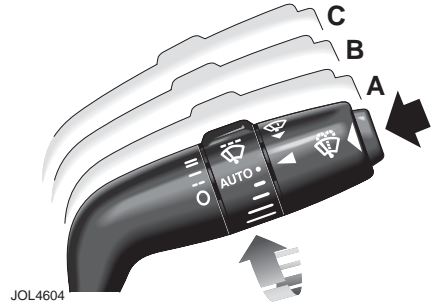
Move the stalk up or down to activate the direction indicators. Press the button on end of stalk to cycle through trip computer displays.

Rotate the collar on the stalk to select:

- Sidelamps
- Headlamps
- Autolamps
- Headlamp exit delay

In AUTO mode, a sensor monitors the exterior light levels and will automatically switch the sidelamps and dipped headlamps ON and OFF.

## WIPERS AND WASHERS



JOL4604

- A. Intermittent wipe.
- B. Slow speed operation
- C. High speed operation.

Press button for windscreen wash/wipe. Rotate collar to adjust speed of intermittent wipe or to select AUTO for automatic operation of wipers.

### *Enabling automatic operation*

- The wiper stalk must be in position **A** and **AUTO** selected on the collar to enable automatic operation of the wipers.

# Quick Overview

## WARNING INDICATORS



Low oil pressure (Red)



Battery charge indicator (Red)



Seat Belt reminder



Parkbrake on



Engine malfunction detected



Dynamic Stability Control (DSC) off



Adaptive Cruise Control active



Airbag system fault detected



Diesel glow plugs active



Sidelamps on



Headlamp main beam on



Front fog lamps on



Rear fog lamps on



Overspeed warning indicator



Direction indicators



Low outside temperature



# Quick Overview

## AUTOMATIC TRANSMISSION

### Gearshift interlock

The ignition switch must be in position **II** and the foot brake applied before the gear selector can be moved from **P** (Park) to **R** (Reverse). The lever can be moved into **P** with the ignition switch off.

### Gear selector

The J-gate gear selector lever is designed to accommodate two different driving techniques as follows:

Automatic selection: the right-hand side of the selector gate.

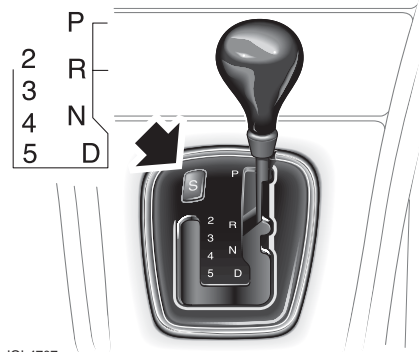
Manual selection: the left-hand side of the selector gate to individually select 5th, 4th, 3rd or 2nd gear.

With the gear selector in **D** (Drive) and Sports mode active, the transmission will use 6th gear less at higher cruising speeds.

Fuel consumption will be adversely affected.

After selecting **R** (Reverse) or **D** (Drive) from **N** (Neutral) or **P** (Park), wait briefly for the transmission to engage before accelerating.

## Sports mode



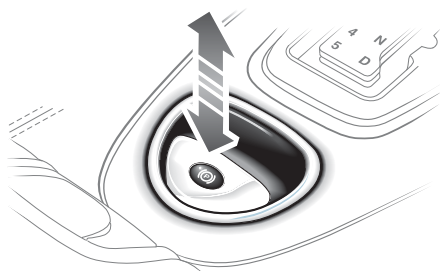
JOL4707

Press the switch (arrowed) to select sports mode. A red indicator in the switch will illuminate to indicate that sports mode is active. When sports mode is selected, the gear change points are modified to make full use of the engine's power.

# Quick Overview

## PARKBRAKE

### Applying the parkbrake



JOL4708

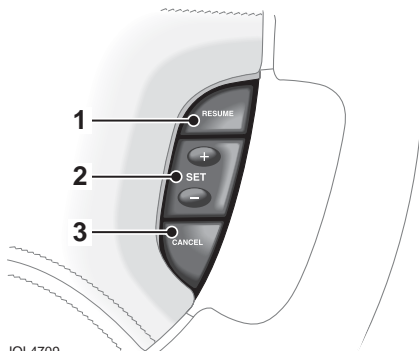
- With the vehicle stationary, pull up the parkbrake lever and then release. The parkbrake red warning indicator in the instrument panel will illuminate.
- The parkbrake will automatically apply when the ignition key is removed from the lock.

### Releasing the parkbrake

- On manual transmission vehicles, with the ignition switch in position II, press down on the parkbrake lever.
- On automatic transmission vehicles, with the ignition switch in position II, apply the foot brake and press down on the parkbrake lever.
- On automatic transmission vehicles, if the vehicle is stationary with the parkbrake applied and either **D** (Drive) or **R** (Reverse) is selected, pressing the accelerator pedal will automatically release the parkbrake.
- The parkbrake will automatically release when the gear selector is moved from **P** (Park).

## CRUISE (SPEED) CONTROL

### Speed control



JOL4709

Speed control is the standard cruise control system where the vehicle will maintain a SET road speed until either cruise control is cancelled or the brake pedal is used.

The system is controlled via switches on the steering wheel:

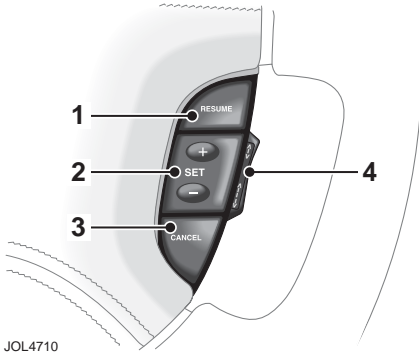
1. **RESUME** - to resume a set speed retained in memory.
2. **SET** - to set the road speed to be maintained or increase/decrease the speed in 2 km/h (1 mph) steps when cruise control is operating.
3. **CANCEL** - cancels cruise control but retains the set speed in memory.

### Brake pedal override

- Cruise control will automatically disengage when the brake pedal is pressed or when the vehicle speed falls below 26 km/h (16 mph).

# Quick Overview

## ADAPTIVE CRUISE CONTROL (ACC)



The adaptive cruise control system is designed to aid the driver in maintaining a gap to the vehicle ahead or to maintain a set road speed if there is no slower vehicle ahead. The system is controlled via switches on the steering wheel:

1. RESUME - to resume a set speed retained in memory.
2. SET - to set the road speed to be maintained or increase/decrease the speed in 2 km/h (1 mph) steps when cruise control.
3. CANCEL - cancels cruise control but retains the set speed in memory.
4. GAP - increase/decrease the time gap to the vehicle ahead.

The gap to the vehicle ahead can be changed to one of four pre-defined intervals and the current setting will be displayed in the message centre.

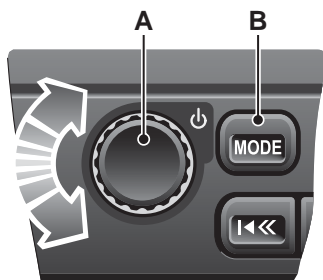
When a vehicle ahead enters the same lane as you, or a slower vehicle is encountered in the same lane, the road speed will automatically be adjusted to maintain the currently selected time gap. The warning indicator will illuminate to indicate that the vehicle is in 'follow mode'.

- Adaptive cruise control **is not** a collision warning or avoidance system. Additionally the system **will not detect**:
- Stationary or slow moving vehicles below 10 km/h (6 mph).
- Pedestrians or objects in the roadway.
- Oncoming vehicles in the same lane.

# Quick Overview

## AUDIO SYSTEM KEY FEATURES

### General operation



JOL4711

Press the control knob **A** to switch on/off and rotate to adjust the volume.

To adjust the sound settings, press the **MODE** button **B** repeatedly, until the required setting is displayed. Turn the control knob **A** to adjust the level or rating.

After approximately five seconds, the system will return to normal control mode.

### Steering wheel controls



JOL4712

1. Press to mute audio unit.
2. Press as required to increase or decrease volume.
3. Press and release to cycle through Radio, FM, AM, Cassette, CD, MD and CD multichanger.
4. Press and release to cycle through preset radio stations, the next CD/MD track or to use cassette AMS (Automatic Music Search).

Press and hold for at least two seconds to cycle to the next strongest station, next CD or change cassette side.

# Quick Overview

## RADIO OPERATION



To switch on the radio function, press the **AM/FM** button. Pressing this button repeatedly scrolls through FM, MW and LW wavebands.



To search for a radio station, press the '**Seek**' arrow buttons.

### Setting the radio presets



Once a radio station has been tuned, press and hold the desired preset button (or touch a station position on touch screen) until a 'beep' is heard. The preset is now stored

A total of nine presets can be stored for each waveband.



The radio presets can be automatically set by using the 'Auto Memory' function. Press and hold the **AMEM** button for two seconds. The radio will be briefly muted while it searches the waveband for the nine strongest stations.

### Activating TA (Traffic announcements)



To activate this function, press and release the **TA** button. With **TA** activated, traffic announcements will interrupt radio, cassette or CD/MD play. To de-activate this feature, press and release the **TA** button again.

Press and hold the **TA** button for two seconds to display the radio station name instead of the frequency.

## CD OPERATION

### Single CD player



If the radio or CD multichanger is being used, pressing the **CD** button will resume playing any CD installed in the player mechanism.

When a CD is loaded into the aperture, it will begin to load and play automatically.

Pressing the **CD** button whilst in CD play mode will pause the current track. A subsequent press of the **CD** button will resume play mode.

Six discs can be loaded into the multichanger unit, and a further single disc in the audio console.



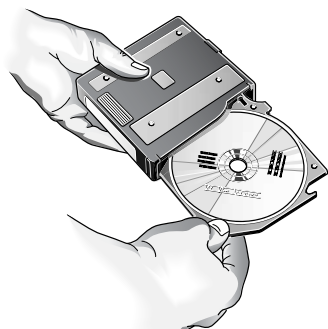
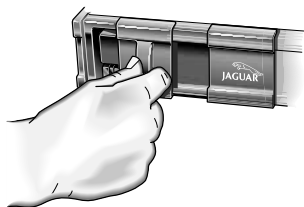
To skip tracks, continually press the '**Seek**' arrow buttons to move back or forward accordingly. Pressing and holding these buttons will search through the selected track.



When a disc is inserted, the CD icon is displayed. Press the Disc Eject button to eject the CD. The display will show **DISC EJECT** and the CD icon will be turned off.

# Quick Overview

## CD Multichanger



JOL4713

### Care point

- Remember to close the multichanger door this will prevent dirt getting into the unit and help reduce skipping.

The CD multichanger is located in the luggage compartment. To load a CD into the multichanger:

- Slide open the multichanger door, press the **Eject** button and remove the magazine. Close the door.
- Pull a tray out from the magazine and insert a CD (label side up). Slide tray into magazine until a 'click' is heard.
- Slide open the multichanger door and ensuring correct orientation, replace the magazine. Ensure the magazine 'clicks' into position.

## CD selection



1. Press the **CDC** button (CD button on MiniDisc and cassette player systems) to select the CD multichanger mode.

- Press preset buttons **1 - 6** to select the appropriate CD loaded in the multichanger.

If a touch-screen is fitted to the vehicle, disc selection can be made by touching the relevant numbered disc icon.

- When playing a CD, press the **CDC** button to pause play. Press again to continue play.

## Playing random tracks



To play random tracks from the disc, press and release the **MIX** button. To cancel, press the **MIX** button again.

To play random tracks from all discs loaded in the multichanger, press the **MIX** button for two seconds. To cancel, press and hold the **MIX** button.

# Quick Overview

## NAVIGATION

**Caution:** The screen allows touch control of the navigation system. The screen only requires a light touch to operate the function. Excess pressure on the screen could result in damage. On initial activation, ensure that both the correct country and area have been selected.

### Setting a destination

To set a destination and start using the the navigation system, use the following procedure.

1. Press the **NAV** button (arrowed in illustration) and, when prompted, touch **Agree** on the touch-screen to access the initial map screen.
2. Touch **Nav menu** to access the navigation menu and then touch **Destination Entry**.
3. Touch either **Address** or **Zip code**.
4. Enter the address or zip code using the on-screen keypad, ensuring a space is entered in the zip code. The space character can be found after the Z character on the bottom line of the keypad. Touch **OK** to enter.
5. Touch **Dest** to calculate the route.
6. Once the most appropriate route is calculated, the screen will display the route. To scroll through alternative routes, touch **Next** on the screen.

**Note:** *Route Preferences should be selected prior to setting a destination. Access is via the **Nav menu** and then **Route Options**.*

7. Touch **Start** to commence navigation. Drive away following the voice guidance.



**Note:** Press the **Audible repeat** button to hear the last voice guidance instruction again.

Voice guidance can be selected or deselected via the **Nav menu**.

8. When your destination is reached, voice and visual confirmation is given.



JOL4714



JOL4731



JOL4716

### Cancelling guidance

To cancel guidance during navigation, touch the zoom icon, select **Change Route** then **Cancel Guidance**.

# Quick Overview

## TELEPHONE - BLUETOOTH SYSTEM

Mobile phones with Bluetooth capability can communicate with the vehicle's inbuilt telephone system.

The following procedure demonstrates how to connect the most popular brands of mobile phone.

### Pairing a handset to the vehicle

1. Turn the ignition switch to position II.

2. Press the telephone button on the audio panel. The touch-screen will display the message **No BT phone on**. On touch-screen systems the message **SIG** will be displayed.
3. Either using the on-screen or the audio panel keyboard, press ##3##.
4. Touch the on-screen call icon or press the call button on the audio panel.
5. Prepare the handset for pairing to the system.

See the telephone manufacturer's instructions for further details, or follow the table below for generic commands.

	Nokia	Motorola	Ericsson
1.	Select menu	Select menu	Select menu
2.	Select settings	Select settings	Select connectivity
3.	Select Bluetooth OR Select Connectivity then Bluetooth	Select Connection	Select Bluetooth
4.	Select On	Select Bluetooth link	Select My Devices
5.	Select Search for Audio devices	Select Hands-free	With New Device highlighted, select Add. Press OK to confirm
6.	After search select Jaguar	Select Look for devices	After search select Jaguar
7.	Enter pass code 1313. Press OK to confirm	After search select Jaguar	Select Connect
8.	No connection? Select Bluetooth (Menu) then Paired devices Jaguar	Permission to bond? Select Yes and enter pass code 1313	Enter pass code 1313 after prompt

When the handset has been successfully paired to the system, the touch-screen message changes to **REGISTERED**. On systems without a touch-screen the audio system message changes to **SIG**.

**Note:** For best results when pairing your handset to the system, ensure the handset is fully charged.

### Mobile phone compatibility

There are a number of mobile phones that have been tested to function correctly with the Jaguar system, however not all mobile phones are compatible. For the latest list of compatible phones and software versions, please refer to [www.ownerinfo.jaguar.com](http://www.ownerinfo.jaguar.com). Alternatively consult your Jaguar Dealer.



# Quick Overview

## Downloading phone book entries

1. Turn the ignition switch to position II, and ensure the handset is paired to the vehicle's system.
2. Press the telephone button on the audio panel.
3. Either using the on-screen keypad or the audio panel keyboard, press ##2#\*#.
4. Touch the on-screen call icon or press the call button on the audio panel.
5. Switch off the ignition switch for six minutes to allow the system to complete the download process.

3. Press the call button on the steering wheel control, or on the audio panel. Calling will be displayed.
4. To end the call, press the call button on the steering wheel control, or on the audio panel.

## Receiving a call

To answer or end a call, press the call button on the steering wheel control or on the audio panel.

## Making a call



JOL4717

1. Press and hold the **SELECT** switch on the steering wheel control, or press the call button on the audio panel. **Phone** will be displayed.
2. Key in the phone number required on the touch-screen or audio panel keyboard.

# Filling Station Information

## FUEL TYPE

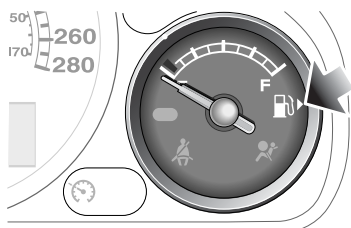
**Gasoline** - Premium unleaded 91 AKI.

## FUEL FILLING



JOL2751

Press the fuel filler flap release. This is located on the driver's knee bolster switch below the fascia, see page 152.



JOL3284

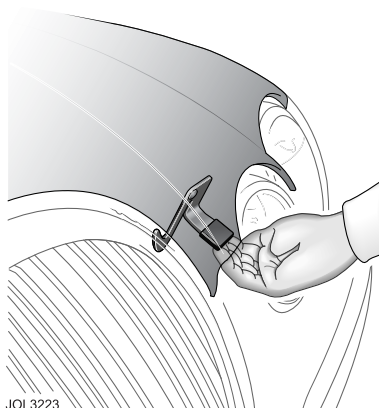
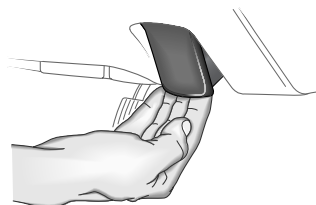
The filler flap is located on the right-hand side of the vehicle.

For quickness and to completely fill the tank, ensure that the fuel nozzle rests on the bottom of the filler neck.

Incorrect closure of the fuel filler cap may result in check engine light (malfunction indicator light) illuminating.

After refuelling, refit the fuel filler cap in the filler neck, twist the filler cap clockwise until it clicks and close the flap, which automatically locks shut.

## HOOD RELEASE



JOL3223

Pull the release lever located below the fascia on the driver's side of the vehicle (see page 192).

# Filling Station Information

## UNDERHOOD TOP-UP

### Recommended Engine Oil.

See page 197.

### Petrol models -

Castrol 5W-30 to Jaguar specification  
WSS M2C913 - A or B.

### Diesel models -

An oil of 5W-30 viscosity to Jaguar  
specification WSS M2C913 - B must be  
used in all vehicles with a diesel engine.

For **top-up purposes only**,  
where the WSS M2C913 - B  
specification cannot be found, ACEA B1  
or ACEA B3 specification oils may be  
used.

### Windscreen/Headlamp Washer Reservoir.

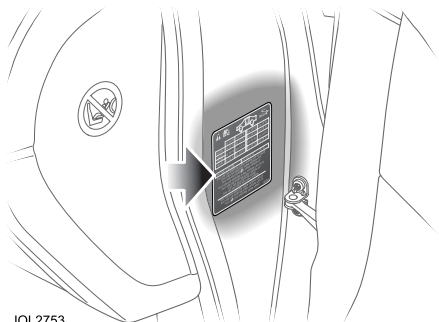
See page 200.

### Coolant System

50% water/50% anti-freeze, see page  
199.

# Filling Station Information

## TIRE PRESSURES



JOL2753

The tire pressures for all normal operating conditions are shown on a label fixed to the inside of the right-hand side door front pillar.

Check pressures when the tires are cold (see page 209). Deflating air from a warm tire to the recommended pressure will result in under inflation which may be dangerous.

For your convenience you may wish to record the tire pressures in the boxes provided below. If you are unsure of the correct pressures, please contact your Jaguar Dealer.

### FRONT

Normal Driving

Laden/High Speed

Spare Wheel

### REAR

Normal Driving

Laden/High Speed

Spare Wheel



### WARNING:

When using tires other than those recommended by Jaguar, do not exceed the speed capacity recommended by the manufacturer.

# General Information

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## WARNINGS, CAUTIONS AND NOTES

Take particular note of WARNINGS, Cautions and Notes given throughout this handbook.



### **WARNING:**

**A warning is a procedure which must be followed precisely to help avoid the risk of personal injury.**

**Caution: A caution is a procedure which must be followed precisely to reduce the possibility of damage to the vehicle.**

***Note:** A note is a procedure which will help avoid difficulties in the operation of the vehicle.*

### **Warning Symbols on the vehicle**



JOL2756

On encountering the warning triangle or open book symbol on the vehicle, it is important that before touching this part of the vehicle or attempting adjustments of any kind you consult the relevant section of this handbook.

**Caution: Do not remove any warning labels from the underhood area or inside the vehicle.**

## JAGUAR DEALERS

Jaguar Dealers are chosen with care. Each is dedicated to providing a Sales, Service and Spare Parts facility of the highest standard.

Jaguar Dealers are provided with full technical support from the factory, with comprehensive training for all their technicians. Dealers' workshops operate to a high standard and have all the necessary tools and equipment essential to maintain or repair Jaguar vehicles.

### **Genuine Jaguar parts and accessories**

Your Jaguar Dealer can supply you with genuine replacement parts and accessories which are fully approved to Jaguar's original equipment specification. This will ensure that the safety and performance of your vehicle is maintained for your complete peace of mind.

Please note that fitment of non-genuine parts may invalidate the vehicle warranty if a subsequent fault occurs due to fitting sub-standard replacement parts or accessories.

### **Jaguar parts distribution service**

Jaguar Dealers stock a large number of parts to keep your vehicle maintained and get you back on the road as quickly as possible.

Their service is supported by strategically positioned Jaguar parts distribution centres throughout North America providing next day delivery to the majority of Jaguar Dealers.

# General Information

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## Accessories

A full range of Jaguar Engineering approved accessories including safety, stowage, touring, leisure and lifestyle products are just some of those available from your Jaguar Dealership.

Please ask your Jaguar Dealer for an up-to-date brochure so you can select your requirements from the latest range.

## VEHICLE HANDBOOKS

Remember to pass on the Vehicle Handbooks when reselling the vehicle. Handbooks are integral parts of the vehicle.

## REGULAR SERVICING

Each vehicle is given a full Pre-Delivery Inspection to ensure that all systems function correctly and that the vehicle meets its specification.

Owners are responsible for the regular maintenance and servicing of the vehicle. Jaguar Dealers will be pleased to arrange periodic servicing and can provide you with details of tasks carried out at each service interval.

Failure to implement maintenance at the recommended intervals could result in deterioration of vehicle performance and possible infringement of regulations.

Regular routine maintenance not only helps to prevent unnecessary breakdowns and inconvenience, but enhances the trade in or resale value of the vehicle.

## USA and Canada

The owner should contact their Jaguar Dealer to arrange appointments on a mileage/distance or time interval basis to ensure that all routine and corrective maintenance work is undertaken and recorded in the Passport to Service.

This booklet not only contains a record of vital information, but also information about warranties, Jaguar Cars Limited, Jaguar Car Clubs, Tire Manufacturers and change of ownership or address vouchers.

## Mexico

The owner should contact their Jaguar Dealer to arrange appointments on a distance or time interval basis to ensure that all routine and corrective maintenance work is undertaken and recorded in the Service Portfolio.

This booklet not only contains a record of vital information, but also information about warranty and change of ownership.

## JAGUAR DIAGNOSTIC SYSTEM

Many of the vehicle systems are controlled by complex electronic devices. Specialist equipment is required to trace and rectify faults in the systems and ensure that only faulty components are repaired or renewed.

**Caution: Severe damage to the electrical system and electronic components can occur if any attempt is made to diagnose faults in the electrical system using conventional diagnostic equipment (for example, the use of test lamps or low impedance voltmeters). The fitting of any electrical accessory should only be entrusted to a Jaguar Dealer.**

# General Information

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## WARRANTY

Details of the vehicle warranty are contained within the Passport to Service for USA and Canada or, for Mexico, the Warranty Benefits booklet.

### USA and Canada

The Passport to Service contains warranties applicable to the vehicle, which include:

- The Limited Vehicle Warranty.
- The Emission Control System Warranty and covered parts list.
- The Corrosion Warranty.

Tires are not warranted by Jaguar Cars Limited, but by the specific manufacturer of the tires on the vehicle. Details of tire warranties are included in the vehicle literature pack.

### Mexico

The Warranty Benefits booklet contains warranties applicable to the vehicle, which include:

- The Limited Vehicle Warranty.
- The Emission Control System Warranty and covered parts list.
- The Corrosion Warranty.

## VEHICLE IDENTIFICATION

### Vehicle Identification Number (VIN)

It is essential that the Vehicle Identification Number (VIN) is quoted in all correspondence and when ordering replacement parts.

The number is visible from outside the vehicle, on a plate in the lower left edge of the windscreen.

### Certification Label

Vehicles have the Certification Label adhered to the left-hand front door hinge post. Vehicle weights, paint code, manufacture date and the VIN are shown on this plate.

### Engine number

**V6:** The number is located on the lower left-hand side of the cylinder block near the bedplate.

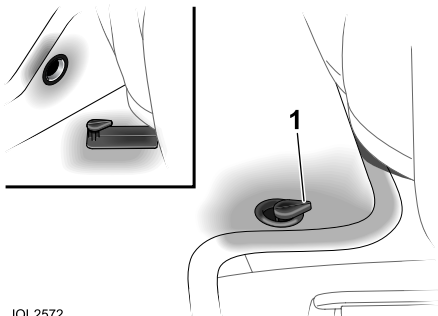
**V8:** The number is located on the rear left-hand side of the cylinder block, either adjacent to the transmission flange, or on the left-hand side web towards the rear of the cylinder block.

### Transmission number

On a metal label or bar code label attached to the transmission casing.

# General Information

## FLOOR MAT RETENTION



JOL2572

Ensure that the driver's floor mat is correctly positioned and secured under the tongues on the retention posts (1, only one post shown), so that the mat does not interfere with the operation of the accelerator, clutch or brake pedals.

In particular, check the position of the mat when refitting after cleaning or servicing.

## PROTECT THE ENVIRONMENT

We must all play our part in protecting the environment. Correct vehicle usage and disposal of waste cleaning and lubrication materials are significant steps towards this aim.

Avoid using high engine speeds. You will then protect your engine, reduce fuel consumption, lower the engine noise level and help towards reducing the environmental burden.

Dispose of batteries, tires, engine, brake and coolant fluids at your local authorised waste disposal facilities.

## MOBILE/PORTABLE TELEPHONES



### WARNING:

- Using any hand-held appliance while driving can be dangerous and is illegal in certain countries.
- Always stop the vehicle before making a call and ensure that the telephone is switched off while you are driving.

## WINDOW TINTING

**Caution:** Do not have your vehicle windows tinted with a metal oxide tinting (for maximum heat reduction from sun load) if you have telephone or a navigation system fitted to your vehicle.

Metal oxide tinting prevents the reception of the Global Positioning System (GPS) signals by the antenna, causing the navigation system to stop functioning.

A non-metal tinting should be used if you require window tinting and if in doubt, contact your Jaguar Dealer for advice.



# General Information

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## LEATHER CARE GUIDE

Leather is a natural product, therefore, it bears natural characteristics, such as grain variations, growth and brush marks. These non-weakening marks show the true nature of the hide and are the hallmarks of a leather product. Leather is an easy to maintain natural product, however, dust and substances can penetrate the pores and crease the leather, causing surface wear and brittleness.

To prevent ingrained dirt and staining, inspect the seat upholstery regularly and clean every one to two months as follows:

- Wipe off fine dust from the seat surfaces at regular intervals using a clean, damp, non-coloured cloth. Change frequently to a clean area of cloth to avoid abrasive action on the leather surface. Avoid over-wetting.
- If this is not sufficient, use a cloth which has been dampened with warm soapy water and then wrung out. Never allow the leather to be soaked through. Use only mild non-caustic soap.
- Use Jaguar Leather Cleaner for heavily soiled areas. Dry off and rub with a clean soft cloth, changing surfaces regularly.

When staining (e.g.: from clothing) or spillage occurs, clean the affected area immediately as described above.

It is recommended that Jaguar Leather Cleaner is used several times a year to maintain its appearance and suppleness. The Jaguar Leather Cleaner will nourish and moisturise the leather and help to improve and renew the surface protective film against dust and substances.

- Do not use solvents such as gasoline, white spirit or alcohol. Do not use detergents, furniture polish or household cleaners. Such strong treatments may give, initially, an impressive appearance, but their use will lead to rapid damage or deterioration of the natural properties of the leather. Jaguar recommend a basic set of products that have been specially selected for the type of leather in your vehicle. The Manufacturer's Warranty will be invalidated if treatments are used other than those recommended by Jaguar Cars Limited.
- Dark clothing may stain leather seats just like other upholstery products.
- Sharp objects such as belts, zip fasteners, rivets, etc. can leave permanent scratches and scratch marks on the leather surface.
- Unless spillages such as tea, coffee or ink are washed away immediately, permanent staining may have to be accepted.

If a valet service is used, ensure that the specialist concerned is aware of, and follows these instructions precisely.

For any further questions please consult your Jaguar Dealer for specialist advice.

# General Information

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## ON-BOARD EVENT DATA

### Service Data Recording

Service data recorders in your vehicle are capable of collecting and storing diagnostic information about your vehicle. This potentially includes information about the performance or status of various systems and modules in the vehicle, such as engine, throttle, steering or brake systems.

In order to properly diagnose and service your vehicle, Jaguar Cars Limited and service and repair facilities may access vehicle diagnostic information through a direct connection to your vehicle when diagnosing or servicing your vehicle.

### Event Data Recording

Other modules in your vehicle - event data recorders - are capable of collecting and storing data during a crash or near crash event. The recorded information may assist in the investigation of such an event. The modules may record information about both the vehicle and the occupants, potentially including information such as:

- How various systems in your vehicle were operating.
- Whether or not the driver and passenger seat belts were buckled.
- How far, if at all, the driver was depressing the accelerator and/or the brake pedal.
- How fast the vehicle was travelling.
- Where the driver was positioning the steering wheel.

To access this information special equipment must be directly connected to the recording modules. Jaguar Cars Limited do not access event data recorder information without obtaining consent, unless pursuant to court order or where required by law enforcement, other government authorities or third parties acting with lawful authority.

Other parties may seek to access the information independently of Jaguar Cars Limited.

# Reporting Safety Defects

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## VEHICLE DEFECTS (U.S. ONLY)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Jaguar Cars.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign.

However, NHTSA cannot become involved in individual problems between you, your Dealer, or Jaguar Cars.

To contact NHTSA, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to:

Administrator,  
NHTSA,  
400 Seventh Street SW.,  
Washington, DC. 20590.

To contact Jaguar Cars, call 1-800 4 Jaguar.

You can also obtain other information about motor safety from <http://www.safercar.gov>.

# Health and Safety

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## HEALTH AND SAFETY PRECAUTIONS



### WARNING:

- Many liquids and other substances used in vehicles are poisonous and should never be consumed and must be kept away from open wounds. These substances include anti-freeze, brake fluid, fuel, windscreen washer additives, lubricants and various adhesives.
- The presence of any unusual fumes (for example, gasoline or exhaust fumes) in the passenger compartment and/or luggage compartment should be corrected immediately by a Jaguar Dealer. If you must drive under these conditions do so only with all windows fully open.
- By operating other electronic equipment (for example, a mobile phone without an exterior antenna) electro-magnetic fields can cause malfunctions of the vehicle electronics. Therefore, you should observe the instructions of the equipment manufacturers.
- Do not disconnect any pipes in the air conditioning refrigeration system. A refrigerant is used which can cause blindness if allowed to contact the eyes. If refrigerant should contact the eyes or skin, wash the eyes or affected area with cold water for several minutes. Do not rub. As soon as possible thereafter, obtain treatment from a doctor or eye specialist.
- Any modifications to the fuel system not specifically designed for this Jaguar are prohibited. Such modifications in some circumstances could result in a fire. All service actions must be entrusted to a Jaguar Dealer.
- When working within the engine compartment, take care to avoid contact with moving parts and hot components, and ensure that any metal objects do not short circuit the battery connections.
- California Proposition 65: Engine exhaust, some of its constituents and certain vehicle components, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Alterations to the electrical system, including the fitting of accessories not designed for this Jaguar, will cause damage to the electrical circuits and systems. In some circumstances this could result in a malfunction or fire. All accessory work should be entrusted to a Jaguar Dealer.

# Health and Safety

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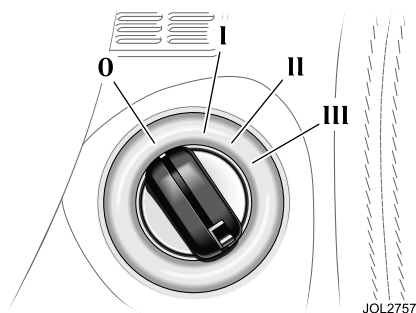


## WARNING:

- Avoid contact with battery acid which is poisonous and corrosive. Acid will cause burns to the skin as well as to the eyes. In the event of skin or eye contamination, wash the affected area with water thoroughly. Seek immediate medical attention when eye contact has occurred.
- No attempt should be made to repair a fuse that has blown. Always install a new fuse of the correct amperage. Failure to comply with the above may cause a fire hazard or create serious damage elsewhere in the electrical circuit.

# Ignition Switch

## IGNITION SWITCH



The fascia-mounted ignition switch, on the right-hand side of the steering column, has four key positions:

- 0** Ignition OFF
- I** Auxiliary
- II** Ignition ON
- III** Engine start

When the key is turned back to the OFF position, the delayed accessory feature becomes active, so long as the driver's and front passenger's doors are shut and remain shut. The circuits available in the auxiliary position remain activated for a preset timed period.

**Position 0:** Is the only position in which the key can be inserted and removed. When the key is removed the steering lock is engaged.

**Position I:** Allows use of some electrical circuits, for example, radio operation.

**Position II:** All electrical circuits except the starter motor are activated. The key remains in this position when driving.

**Position III:** The starter motor is operated for as long as the key is held in this position, against spring pressure.

## TO REMOVE THE IGNITION KEY

Apply the parkbrake, place the gear selector in **P** and turn the key to position **0**.

The automatic transmission gear selector must be placed in Park **P** before the key can be removed from the ignition switch. When the key is removed, the gear selector will be locked in Park.

## GEARSHIFT INTERLOCK

A brake pedal/gearshift interlock system is incorporated in the automatic transmission gear selector mechanism. See page 141.

# Vehicle Security

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## INTRODUCTION

When leaving the vehicle unoccupied, remember the following:

- Apply the parkbrake and, with automatic transmission, move the gear selector to Park **P**.
- Do not leave children or pets in the vehicle unattended.
- Do not leave luggage or valuables on view. Always take your valuables with you or lock them in the luggage compartment.
- Remove the ignition key and spare keys, even when the vehicle is in your garage.
- Close all windows and lock all doors securely.
- Park the vehicle where it can be seen. At night, park in a well-lit area.
- When leaving the vehicle unattended, for maximum security ensure that the doors are double-locked (where fitted).
- Ensure that all key transmitters are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the hood are closed.

It is important to keep your keys in safe places at all times. Leaving them in conspicuous places is an invitation for a thief to steal them and, consequently, your vehicle or belongings. Keep them as secure as you would your wallet or purse, both at home and away.

## IMMOBILISATION SYSTEM

This vehicle is equipped with an immobilisation system which prevents it from being driven away by an unauthorised person.

An electronic device is fitted in the head of each key which is programmed to the vehicle electronics. When the key is placed in the ignition switch, a sophisticated decoding process is used to validate the key transponder code. The engine cannot be started unless the key is programmed to the vehicle electronic systems.

When turning the key in the ignition switch to start the engine, if the security status light on the centre console remains flashing, a fault condition is indicated, and it is possible that the engine will not start. Please contact a Jaguar Dealer to investigate the cause of the light flashing even if the engine starts.

## KEYS

Vehicles are supplied with two key transmitters, which comprise the key body integrated with the remote transmitter. Separate keys, without the transmitter, are also available from Jaguar Dealers.

The key operates all the locks on your vehicle. The key number is recorded on an adhesive label which is fixed to the back of each key. Peel off the label and attach it to the designated area on the Security Card supplied in the vehicle literature pack. It is recommended that the Security Card is kept safely, not in the vehicle.

# Vehicle Security

A maximum of eight keys can be used, of which up to four may be key transmitters. All the keys and transmitters used must be programmed to the vehicle by a Jaguar Dealer.

## KEY TRANSMITTER



JOL2759

The security system can be controlled remotely by a radio frequency, battery-operated, integrated key transmitter.



Unlocks and disarms the vehicle. Pressing and holding the button will globally open the vehicle windows (and sunroof, where fitted).



Releases the luggage compartment lock.



Activates the convenience headlight feature and sounds the panic alarm (where fitted).



Locks/double-locks and arms the vehicle.



Locks/unlocks the key. To free the key, press the release button.

When not required press and hold the button and fold the key into the transmitter housing.

**Note:** *Key transmitters will not operate if a key is in the ignition.*

Each integrated key will operate the ignition switch, and lock the doors and glove compartment.

**Caution:** Should a key transmitter be lost, a new one can be obtained and programmed to the vehicle by a Jaguar Dealer, who will ask for proof of vehicle ownership. It is advisable to notify a Jaguar Dealer as soon as a key transmitter is lost or stolen and have the remaining key transmitter(s) reprogrammed. This will then prevent the lost or stolen key transmitter from being used to disarm and unlock the vehicle.

**Note:** *Jaguar Dealers keep a log of all enquiries for replacement keys and notify Jaguar Cars Limited of any such requests.*

### Care of key transmitters

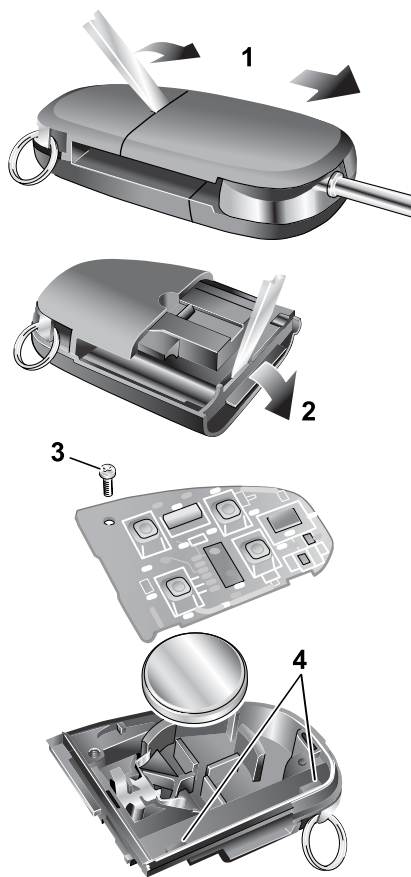
The key transmitters must be treated with care and not exposed to extremes of heat, dust, humidity or be in contact with fluids. Do not leave the transmitter exposed to direct sunlight.

The battery is the only serviceable part.



# Vehicle Security

## KEY TRANSMITTER BATTERY RENEWAL



JOL2581

When the battery needs renewal there will be a significant decrease in the effective range of the key transmitter. To renew the battery, follow the procedure below:

- Insert a small, flat-blade, screwdriver at an angle of about 45 degrees, into the slot on the back of the key transmitter as shown (1). Apply light pressure to the screwdriver and lever the two halves of the key transmitter. Pull the transmitter from the key body.
- Insert the screwdriver into the slot between the transmitter covers adjacent to the key stowage area as shown (2). Apply light pressure to the screwdriver and lever the screwdriver downward to separate the covers.
- Unscrew and remove the small screw (3) and remove the printed circuit board, taking care not to touch the battery terminals. Remove the battery and dispose of it safely.
- Fit a new battery cell, type CR2032 (available from your Jaguar Dealer), with the side marked with the positive symbol (+) downwards in the battery receptacle. Avoid touching the new battery as moisture/oil from the fingers can reduce the life of the battery and corrode the contacts.
- Replace the printed circuit board making sure to engage the board under the securing tabs (4), and secure with the screw.
- Refit the cover and click into place with thumb pressure.
- Slide the transmitter back onto the key body until it clicks into place.

# Vehicle Security

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## RADIO FREQUENCY REMOTE SYSTEM

The radio frequency remote system operates on a frequency subject to USA Federal Communications Commission (FCC) rules.

The device complies with Part 15 of the FCC rules and RSS-210 of the Industry Canada. Operation is subject to the two following conditions:

- The device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

The key transmitter radio frequency approval numbers for the USA and Canada are shown below:

**USA** - CWTWB1U243

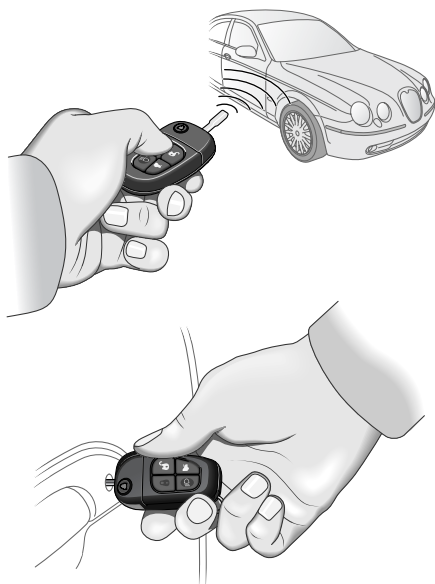
**Canada** - 1788A-1U243

***Note:** The manufacturer is not responsible for any radio interference or TV interference caused by unauthorised modifications to this equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

**Caution:** The key-transmitter may suffer interference from other legal users of this radio frequency band, such as radio amateurs, medical equipment, remote controls or alarm systems. To lock or unlock the vehicle in such a situation, either use a key or operate the key transmitter as close to the security antenna as possible.

# Door Locks

## KEY TRANSMITTER USE



JOL3227

All doors can be locked and unlocked either remotely using the key transmitter buttons, or by using the integrated key.

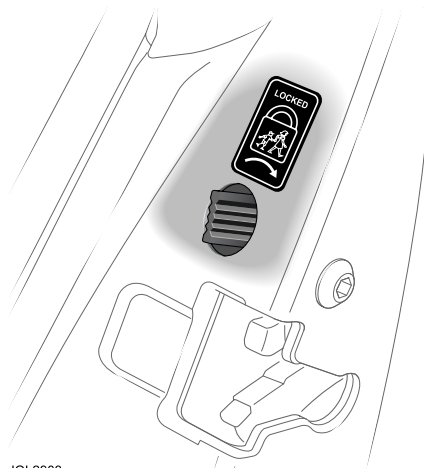
## SMART LOCKING

This feature helps prevent locking the key in the vehicle.

If the driver's door is open and an attempt is made to lock the doors using the driver's door interior locking lever, all doors will lock, and then unlock.

If the front passenger door locking lever is used to lock the doors when the front passenger door is open, all doors will lock and then unlock. (The vehicle can only be locked from the outside by using the key in the driver's door lock or remotely using the key transmitter.)

## CHILD SAFETY LOCKS



JOL2903

Child safety locks are fitted to the rear doors. The operating lever is fitted above the door lock mechanism.

To operate: Open the door and move the lever a quarter turn. This immobilises the interior handle.

The door can then only be opened using the exterior door handle.

Open the door and move the lever to its original position to remove the child lock feature.

## VEHICLE LOCKING AND UNLOCKING

### To lock the vehicle and set alarm

- Press the lock button on the key transmitter, or;
- Put the key in the driver's door lock, turn the key towards the rear of the vehicle and release.

# Door Locks

---

The direction indicators will flash once, the security light on the top of the fascia will start flashing and, after 20 seconds, the alarm will be set.

If a door, the hood or the luggage compartment lid are open and an attempt is made to lock the vehicle with the key in the driver's door lock, the direction indicators will flash five times as a warning that the vehicle is not secure.

If a door is open and an attempt is made to lock the vehicle with the transmitter, the direction indicators will flash seven times as a warning that the vehicle is not secure.

If the hood or luggage compartment lid are open and an attempt is made to lock the vehicle with the transmitter, the direction indicators will flash five times indicating that the vehicle is not secure.

## TO UNLOCK THE VEHICLE AND DISARM THE ALARM SYSTEM

### Using a key transmitter

- Press the unlock button on the key transmitter.

**Single stage unlocking** – This unlocks all doors and the luggage compartment and turns on the interior lights.

**Two stage unlocking** - This only unlocks the driver's door and luggage compartment and turns on the interior lights. A second press is required to unlock all doors.

The direction indicators will flash twice as unlocking takes place. If a fault exists with the intrusion sensing system (where fitted), the direction indicators will flash five times.

### Using a key

- Put the key in the driver's door lock, turn the key towards the front of the vehicle and release.

**Single stage unlocking** - This unlocks all doors and the luggage compartment and turns on the interior lights.

**Two stage unlocking** - This only unlocks the driver's door and luggage compartment and turns on the interior lights. A second turn of the key is required to unlock the remaining doors.

### Select single/two stage unlocking

The procedure for changing from single stage to two stage unlocking, or vice versa, is as follows:

- Press and hold the lock and unlock buttons on the key transmitter simultaneously for four seconds.

***Note:** A double flash of the external direction indicators will confirm the required selection.*

# Door Locks

## GLOBAL OPEN/CLOSE

### Global closing



#### **WARNING:**

Ensure that all occupants are kept clear of the windows and sunroof aperture (where fitted).

**Key in the driver's lock:** Turn and hold in the lock position to close all the electrically operated windows and sunroof.

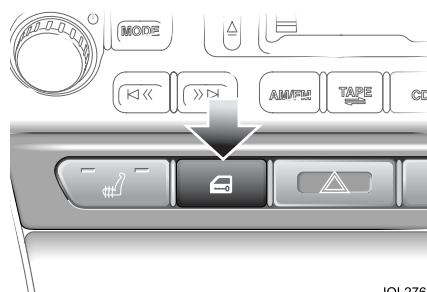
**Key transmitter:** Press and hold the lock button for longer than 2 seconds to lock the vehicle and to close all the windows and sunroof. Pressing the button again while global closing is taking place will stop all movement.

### Global opening

**Key in the driver's lock:** Turn and hold in the unlock position to open all the electrically operated windows and sunroof.

**Key transmitter:** Press and hold the unlock button for longer than 2 seconds to unlock the vehicle and to open all the windows and sunroof. Pressing the button again while global opening is taking place will stop all movement.

## Centre console switch



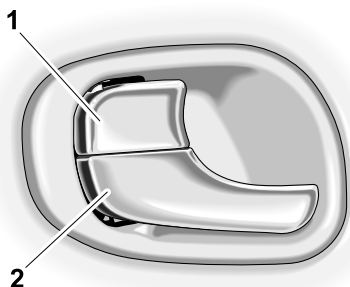
JOL2765

Press and hold the central locking button on the centre console to globally lock or unlock all doors, and to globally close or open all the windows and sunroof.

**Note:** The central locking button only operates with the ignition switch in position **I** or **II**, or while the delayed accessory feature is active.

# Door Locks

## DOOR INTERNAL LOCKING AND UNLOCKING



JOL2763

Each internal door handle comprises a lock lever (1) and release handle (2).

To centrally lock all doors, press the lock lever on the driver's or front passenger's door.

To lock a rear door, press the lock lever.

To unlock a door, pull the lock lever.

To open a locked door, pull the release lever.

The driver's or front passenger's door lock lever will unlock all doors.

## DRIVE-AWAY DOOR LOCKING

This feature is an additional occupant safeguard which locks all the doors and the luggage compartment after a journey has been started.

For the feature to operate, the ignition switch must be in position II, the parkbrake released and the vehicle moving forward at a speed above 5 km/h (3 mph).

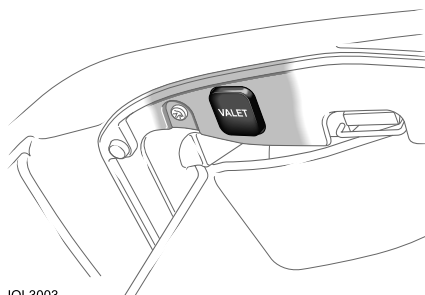
**Note:** For vehicles with automatic transmission, the gear selector lever must be moved out of the **P** or **N** position.

The doors will remain locked, even when the vehicle is stopped unless the driver or front passenger unlocks a door. A rear passenger can only unlock their own individual door.

If a door is opened during a journey, the doors will automatically lock again when the vehicle starts to move.

All vehicles have the drive-away door locking feature installed during manufacture. This feature can be disabled, or reinstated, by a Jaguar Dealer, if required.

## VALET SWITCH

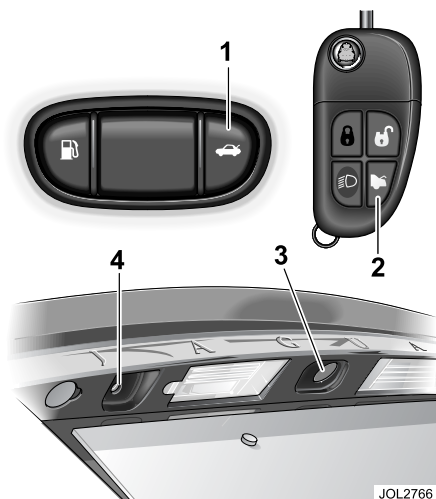


JOL3003

Before handing the green-headed valet key to the parking attendant, open the glove compartment, press the valet switch and then close and lock the glove compartment with the integrated key or a black-headed key. The attendant can then lock the car after parking, but cannot open the glove compartment or the luggage compartment.

# Luggage Compartment Locks

## LID LOCKING AND UNLOCKING



If the vehicle alarm system is armed and the luggage compartment is opened using the key transmitter, the alarm will not sound. The system will be rearmed when the lid is closed, provided the vehicle has not been disarmed.

Neither the luggage compartment lid release switch on the fascia switchpack nor the lid release button will operate when the vehicle is armed.

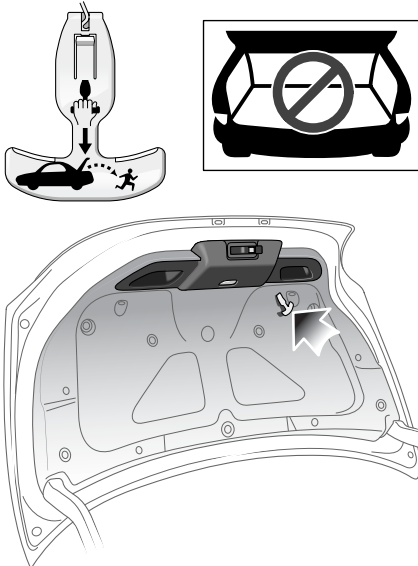
To open the luggage compartment:

- Press the luggage compartment lid release switch (1) on the fascia switchpack, or;
- Press the luggage compartment button (2) on the key transmitter, or;
- With the vehicle unlocked, press the release button (3) on the compartment lid.

**Note:** An ignition key can be used to open the luggage compartment lid release lock (4), (turn clockwise to release), but opening with the key when the vehicle is armed will cause the alarm to sound. Use a transmitter, or place the key in the ignition, to turn the alarm off if it sounds as a result of opening with a key.

# Luggage Compartment Locks

## LUGGAGE COMPARTMENT EMERGENCY RELEASE



JOL3005

Your vehicle is equipped with a mechanical interior luggage compartment release handle that provides a means of escape for children and adults in the event they become locked inside the luggage compartment.

Adults are advised to familiarise themselves with the operation and location of the release handle.

The T-shaped handle is located on the luggage compartment lid.

To open the luggage compartment lid from the inside, pull the illuminated T-shaped handle and push up the lid. The material that the handle is made of will glow for hours in the darkness of the luggage compartment following brief exposure to ambient light.

Ensure that the T-shaped handle is firmly returned to its stowed position after use.



### WARNING:

- Keep vehicle doors and the luggage compartment locked and keep keys out of a child's reach. Unsupervised children could lock themselves in an open compartment and risk injury. Children should be taught not to play in vehicle.
- On hot days, the temperature in the luggage compartment and the vehicle interior can rise very quickly. Exposure of people or animals to these high temperatures for even a short time can cause death or serious heat-related injuries, including brain damage. Small children are particularly at risk.



# Alarm Systems

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## ALARMS AND AUDIBLE SIGNALS

***Note:** In certain markets, legislation prohibits the use of audible confirmation signals. In such cases, the sound source has been removed from the system.*

### AUDIBLE SIGNALS

Two horn chirps will sound if an attempt is made to lock the vehicle if a door is not fully closed. There will be no audible signal if the vehicle is locked when the hood or luggage compartment is not fully closed.

#### Error signal

The direction indicators will flash five times whenever the key is out of the ignition and one of the following conditions is present:

- If any door is open when an attempt is made to lock the vehicle by inserting a key in the driver's door lock.
- The luggage compartment or the hood is not properly closed when an attempt is made to lock the vehicle either by inserting a key in the driver's door lock or by using the key transmitter.
- If there is an electrical failure within the intrusion sensing or inclination sensing systems (where fitted), and an attempt to 'disarm' the security system is made.

The direction indicators will flash seven times whenever the key is out of the ignition and one of the following conditions is present:

- If any door is open when an attempt is made to 'arm' the security system using the key transmitter.

- If either of the front doors is open when an attempt is made to lock the vehicle using the lock levers on the front two doors.

### FULL ALARM

Once armed, any of the following circumstances will create a full alarm state, sound the horns and flash the direction indicators:

- Opening a door, luggage compartment lid (except with transmitter) or hood.
- Using a key in the ignition switch which is not programmed to the vehicle.
- Any attempt is made to remove the radio.

### SECURITY SYSTEM

The security system has been designed for:

- Prevention of theft of the vehicle.
- Prevention of theft of items from the vehicle.
- Personal security.

The security system is integrated with the vehicle electronics and engine management systems making it far more difficult for a thief to penetrate and steal the vehicle.

# Alarm Systems

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## BATTERY RECONNECTION

If the battery has been disconnected and is subsequently reconnected, the alarm system will re-arm as the battery is reconnected.

**Note:** *Ensure that a key transmitter is available to disarm the system when reconnecting the battery. Either press the unlock button on the transmitter, or insert the key in the ignition switch.*

## REMOTE HEADLIGHT CONVENIENCE

By pressing the key-ring transmitter button with the dipped headlight symbol once, the headlights will come on for 25 seconds, unless the headlight button is pressed again, or if the key is inserted in the ignition switch and turned to position II.

## PANIC ALARM

### (Where fitted)

When in or near the vehicle, the panic alarm can be set off to deter a possible offender. For this feature to operate, the key must not be in the ignition switch.

Pressing the headlight convenience/panic button on the key transmitter three times within three seconds will activate the Panic Alarm.

The alarm is stopped by inserting the key in the ignition switch or by pressing the headlight convenience/panic button on the key transmitter three times within three seconds.

# Garage Door Opener

## GARAGE DOOR OPENER TRANSCIVER

(Where fitted)



JOL2373

The garage door opener transceiver is located in the roof console. This transceiver can be programmed to transmit the radio frequencies of up to three different transmitters which can be used to activate garage doors, entry gates, home lighting, security systems, or other radio frequency operated devices.

Although this section mainly describes the procedures for a garage door opener, it also equally applies to the previously mentioned applications.

In some countries this feature is also known as the HomeLink® Universal Transceiver.

The transceiver radio frequency approval numbers for the USA and Canada are shown below:

**USA** - FCC: K8597 R315.

**Canada** - CAN: 2145 101 790A.

For further information, or for assistance, contact your Jaguar Dealer, or the supplier by phone or via the internet. For details, see Information and Assistance on page 58.



### WARNING:

- Do not use the transceiver with any garage door opener that lacks the safety stop and reverse feature as required by safety standards. A garage door opener which cannot detect an object, signalling the door to stop and reverse, does not meet current safety standards. Using a garage door opener without these features increases risk of serious injury or death.
- When programming the transceiver to a garage door opener or entry gate, make sure that people, vehicles and objects are out of the way to prevent potential harm or damage as the gate or garage door will activate during the programme.
- This device may suffer from interference if operated in the vicinity of a mobile or fixed station transmitter. This interference is likely to affect the hand-held transmitter as well as the in-car transceiver.

# Garage Door Opener

## Before Programming

**Caution:** When programming a garage door opener or entry gate that may require you to press and re-press the hand-held transmitter (cycle), unplug the device during the cycling process to prevent possible motor failure.

It is recommended that for best results, fit a new battery to the hand-held transmitter of the garage door opener (or other device) before programming. If your garage door opener receiver (located in the garage) is equipped with an antenna, ensure that the antenna is hanging straight down.

## To erase all programming

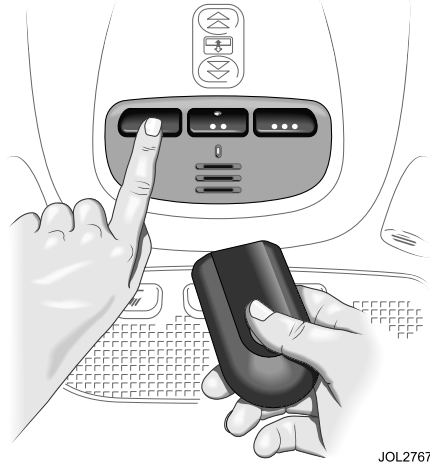
For first time programming, ensure that the engine is switched off:

1. Turn the ignition switch to position I.
2. Press and hold the two outer buttons on the garage door opener in the overhead console. Keep the buttons pressed, the indicator light will illuminate. The indicator light is part of the middle button in the garage door opener in the overhead console.
3. Release the buttons when the light begins to flash (this will take approximately 20 seconds).

All memories in the garage door opener have now been cleared.

**Note:** Do not perform this procedure when programming the additional garage door opener buttons.

## Programming the vehicle



Ensuring that the engine is switched off:

1. Turn the ignition switch to position I.
2. Hold the end of the original garage door opener hand-held transmitter approximately 5.0 to 15.0 cm (2 to 6 inches) away from the transceiver in the roof console, keeping the indicator light in view.
3. Using both hands, simultaneously press and hold both the desired garage door opener button on the overhead console and the hand-held transmitter button. Keep both buttons pressed. The light will flash slowly at first and then change to a fast flash. When the indicator light flashes rapidly, release both buttons. The rapid flashing light indicates successful programming.

# Garage Door Opener

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4. If, after 60 seconds, the indicator light does not flash rapidly, release both the transceiver and the hand-held transmitter buttons and repeat the procedure starting with Step 2. Position the hand-held transmitter at a different angle and/or distance.
5. Press and hold the programmed overhead console garage door opener button and observe the indicator light.
  - If the indicator light is solid/continuous, programming is complete and your device should activate when the garage door opener button is pressed and held for approximately 1 to 2 seconds and then released.
  - If the indicator light blinks rapidly for two seconds and then turns a solid/continuous light, proceed with the following programming instructions for rolling code device equipment.
3. Return to the vehicle and firmly press and hold the programmed garage door opener button for two seconds and release.
4. Repeat the press/hold/release sequence three times to complete the training process.

The garage door opener in the overhead console should now activate the rolling code device.

## Reprogramming a single garage door opener button

To programme a device to previously trained button:

1. Press and hold the desired pre-programmed garage door opener button for at least 20 seconds, but no longer than 30 seconds, until the indicator light begins to flash.
2. Without releasing the overhead console button, position the hand-held transmitter approximately 5.0 to 15.0 cm (2 to 6 inches) away from the transceiver in the overhead console, keeping the indicator light in view.
3. Carry out Step 3 of Programming the Vehicle on page 56.

## Entry gate/Canadian programming

The technology of some entry gates requires you to press and re-press (cycle) the hand-held transmitter button every two seconds during programming.

Continue to press and hold the desired overhead console button while you cycle your hand-held transmitter until the indicator light flashes rapidly.

## Rolling code device equipment programming

**Note:** A second person may make the following steps quicker and easier as once the button has been pressed there are 30 seconds only in which to complete Step 3.

1. At the garage door opener receiver (motor head unit) in the garage, locate the learn or smart button/switch.

**Note:** The name of the button/switch may vary between manufacturers.

2. Press and release the learn or smart button.

# Garage Door Opener

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## Information and assistance

If you would like additional information on the HomeLink® Universal Transceiver, compatible products or to purchase other accessories such as the HomeLink® lighting package, contact your Jaguar Dealer, or HomeLink® at 1-800-355-3515 or on the Internet at [www.homelink.jci.com](http://www.homelink.jci.com).

**Note:** *Keep the original transmitter for future use or programming procedures if, for example, you purchase a new vehicle.*

**Caution:** It is recommended that when you sell or dispose of the vehicle, the programmed transceiver buttons be erased for security purposes.



## **WARNING:**

The manufacturer is not responsible for any radio or TV interference caused by unauthorised modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

# Occupant Protection

## SEAT BELTS

The use of front and rear seat belts is mandatory in most countries. Using seat belts saves lives. They should be worn by all occupants whenever the vehicle is in use, for maximum protection.

Lap/shoulder inertia reel seat belts are provided for both front occupants and three rear seat positions.

The inertia operating mechanism of the seat belts allows the wearers to move their upper bodies to reach various controls. The seat belts lock automatically with accelerated body movement or in the event of emergency braking.

The seat belt assemblies incorporate additional safety devices. All have belt pretensioners and the front belts also have force limiters. These devices provide increased protection in the event of a severe frontal impact.

The pretensioners operate in conjunction with the air bags as part of the Advanced Restraints Technology System, refer to page 66.

All passenger seat belt mechanisms incorporating an automatic locking device allow child seats to be secured safely, refer to Child Safety on page 72.

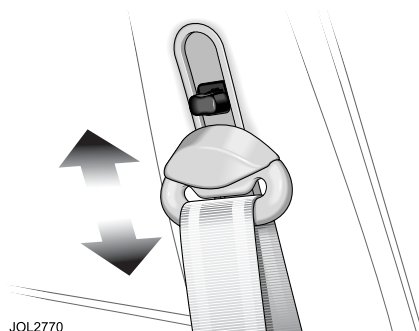
### Beltminder

The beltminder feature is a supplemental warning to the seat belt warning function, see page 100. This feature provides additional reminders to the driver that the driver's and/or passenger's seat belt is unbuckled by intermittently sounding a chime and illuminating the seat belt warning light in the instrument cluster.

Although not advisable, it is possible to disable the Beltminder function. Please see a Jaguar Dealer to disable or reinstate the function.

**Note:** *Not all countries have the warning chime.*

### Front belt height adjustment



To adjust the front seat belt heights, press the locking button and slide the anchorage so that the seat belt webbing passes over the shoulder without pulling against the neck. Release the button and check that the anchorage point is locked.

Always check the anchorage point after the seat has been adjusted to ensure that the belt is correctly positioned.

# Occupant Protection

## Seat belt fitting



JOL3941



### **WARNING:**

**Do not adjust the seat belt while driving.**

Draw the tongue of the seat belt over the shoulder, across the chest and push it into the buckle unit slot (1). A positive click indicates that it is safely locked.

The use of comfort clips or devices that would create slackness in the seat belt system are not advised.

Ensure that the webbing is midway between the neck and the edge of the shoulder. Correct tension is controlled by automatic retraction of the reel.

When the ignition is turned to the ON position, a warning light on the instrument panel will illuminate for 60 seconds if the driver's seat belt is not fastened. This will be accompanied by a warning chime for the first six seconds.

**Note:** *If the vehicle is parked on uneven ground, the seat belt mechanism may lock. This is not a fault, allow the seat belt to retract a small amount before gently easing the belt from its attachment to unlock it.*

## **Belt buckle release**

To release the belt buckle, press the release button (2) in the buckle unit and allow the seat belt to fully retract.

## **Inertia reel mechanism test**

- With the seat belt fastened, give the webbing near the buckle a quick upward pull. The buckle must remain securely locked.
- With the seat belt unfastened, unreel the webbing to the limit of its travel. Check that the unreeling is free from snatches and snags and then allow the belt to FULLY retract.
- Partially unreel the webbing, then hold the tongue plate and give it a quick forward pull. The mechanism must lock automatically and prevent any further unreeling.

If a seat belt should fail any of these tests, contact your Jaguar Dealer immediately.



# Occupant Protection

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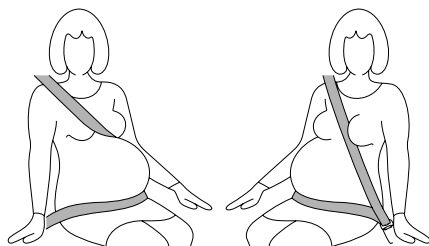


## WARNING:

- Belts should not be worn with straps twisted.
- Always ensure that the webbing is midway between the neck and the edge of the shoulder.
- Each seat belt assembly must only be used by one occupant; it is dangerous to put a seat belt around a child being carried on the occupant's lap.
- Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.
- Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.
- Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.
- It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.
- No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.
- Should the seat belt not retract and remain at its static length, consult your nearest Jaguar Dealer immediately.
- Replacement/renewal of seat belts should be carried out by Jaguar Dealers.

# Occupant Protection

## Pregnant women



JOL2728

Always wear seat belts without slack or twists, since slackness in a seat belt drastically reduces the effectiveness of the belt and the level of protection it can provide. For optimum protection, the seat belts should fit tightly around the body. Do not recline the front seats excessively, as the belts provide maximum protection when the seats are in the near upright position.



### WARNING:

- **Pregnant women must wear a correctly positioned seat belt; it is safer for mother and unborn child.**
- **Never wear just the lap strap of a lap/shoulder diagonal seat belt and never sit on the lap strap using just the shoulder strap. Both of these actions are extremely dangerous and may increase your risk of serious injury.**

There are many ways that the seat belt can be misused for the sake of comfort. However, there is only one way of wearing it safely.

The lap strap should be fitted comfortably across the hips, low beneath the pregnant abdomen. The diagonal part of the seat belt should be placed between the breasts, and worn above and to the side of the pregnant abdomen.

Never place anything between you and the seat belt in an attempt to cushion the impact in the event of an accident. It can be dangerous and reduce the effectiveness of the seat belt in preventing injury.

# Occupant Protection

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## ADVANCED RESTRAINTS TECHNOLOGY SYSTEM (ARTS)



### WARNING:

The air bag is a supplementary restraint system that provides **ADDITIONAL** protection in a severe impact only - it does **NOT** replace the need to wear seat belts. For maximum safety protection in all crash situations, a seat belt must be worn.

Provided occupants are correctly seated, with seat belts worn, the air bags will provide additional protection to the chest and facial areas of the front seat occupants in the event of a vehicle receiving severe frontal impact, and also to the head and side of the body facing the impact if a severe side collision occurs.

### Important information

To do their life-saving job, air bags must inflate rapidly and with considerable force. There is therefore a risk of death or serious injuries such as fractures, facial and eye injuries or internal injuries, particularly to occupants who are not properly restrained by seat belts or sitting correctly when the air bag deploys.

The risk of injury from a deploying air bag is greatest close to the trim covering the air bag.

The whole sequence of events from sensing the impact to full inflation of the bag takes place in a fraction of a second.

After air bag deployment, it is normal to notice a smoke-like, powdery residue or smell the burnt propellant. This may consist of cornstarch, talcum powder or sodium compounds that result from the combustion process that inflates the air bag.

Small amounts of other chemicals may be present which may irritate the skin and eyes, but none of the residue is toxic.

While the system is designed to help reduce serious injuries, it may also cause minor burns, abrasions, swelling or temporary hearing loss.



### WARNING:

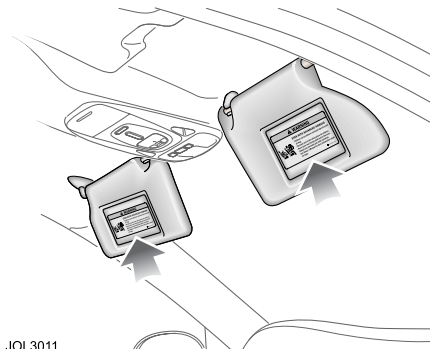
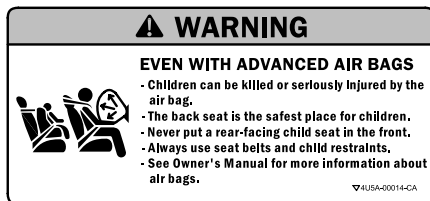
- No objects whatsoever should be attached to the centre cover of the steering wheel, the passenger fascia panel, the sides of the front seats or the interior trim immediately above the door openings. Do not put anything on or over the air bag inflation area. Placing objects on or over the air bag inflation area may cause those objects to be propelled by the air bag into your face and torso causing serious injury.
- Occupants with disabilities that may require the vehicle to be modified must contact a Jaguar Dealer before any modifications are made.
- Safety experts recommend a minimum distance of at least 25.4 cm (10 inches) between an occupant's chest and a front air bag.

# Occupant Protection

- Children 12 years old and younger can be killed or seriously injured by the air bag. The rear seat is the safest place for children.
- Do not try to put an adult seat belt around two children.
- Several air bag system components get hot after inflation. Do not touch them after they have deployed.
- If an air bag is inflated, the air bag will not function again and must be renewed immediately. If a new air bag is not fitted, the unrepaired area will increase the risk of injury in a collision.

**Note:** (USA only) If you are considering modifying your vehicle in any way to accommodate a disability, for example by altering or adapting the driver's or passenger's seat(s) or air bag system, please contact Jaguar Cars at:  
Jaguar Cars  
Customer Relationship Center  
555 MacArthur Blvd  
Mahwah  
New Jersey 07430-2327  
1-800-4JAGUAR OPTION 9.

## Warning label



JOL3011

An alert label on the front face of the driver's and passenger's sun visor directs you to read the warning label on the rear face of each sun visor.

The warning label contains the following statement:



## WARNING:

### EVEN WITH ADVANCED AIR BAGS

- Children can be killed or seriously injured by the air bag.
- The back seat is the safest place for children.
- Never put a rear facing child seat in the front.
- Always use seat belts and child restraints.
- See Owner's Manual for more information about air bags.

# Occupant Protection

---

## Air bag fault warning light



The air bag warning light in the driver's instrument cluster will be lit for approximately six seconds when the ignition is turned on.

If the light remains on or flashes, it indicates a fault within the air bag electrical circuits. Report the fault to a Jaguar Dealer immediately if any of the following symptoms occur:

- The warning light fails to illuminate when the ignition switch is turned to position II.
- The warning light fails to extinguish within approximately six seconds after the ignition switch is turned to position II.
- The warning light illuminates after the engine is started, or while the vehicle is being driven.

It is safe to drive the vehicle; however, in an accident the air bags may not operate.

When the ignition switch is turned to position II, the diagnostic control unit monitors the readiness of the system's electrical circuits.

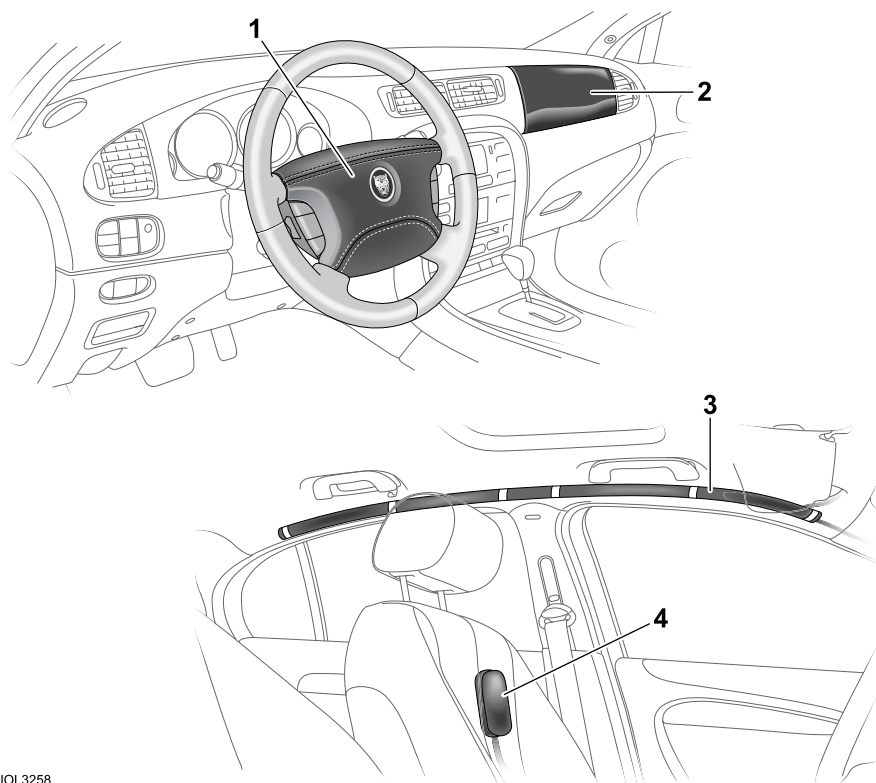
The following components are monitored by the air bag system.

- Driver's dual stage airbag (steering wheel)
- Driver's side thorax airbag
- Driver's pretensioner
- Driver's side crash sensor - 2 off
- Passenger's dual stage airbag
- Passenger's side thorax airbag
- Passenger's pretensioner
- Passenger's side crash sensor - 2 off
- Passenger's seat occupancy sensor
- Restraint control module

Air bag warning light information is shown on page 101.

# Occupant Protection

## Air bag deployment



JOL3258

The air bag supplementary restraint system incorporates front, side thorax and side head air bags for the driver and front passenger and side head bags for rear seat passengers. These are indicated by the word 'air bag' on the trim. They are used in conjunction with the seat belts to help protect occupants from upper body (thorax) and head injuries.

1. The driver front air bag is located in the centre of the steering wheel.

2. The front passenger air bag is located in the fascia panel immediately in front of the passenger seat.
3. Curtain air bags are fitted on each side, above the front and rear doors.
4. Thorax side air bags are fitted within the outboard bolsters of both front seats, and are identified by labels.

The air bags and seat belt pretensioners are electrically controlled by an advanced restraints technology system.

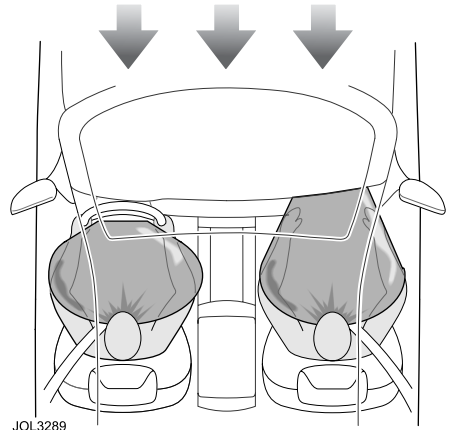
# Occupant Protection

Both front air bags use a dual inflation technology which means, if activated, the bag(s) will deploy at either a normal or reduced level of inflation, depending on crash severity. Lower inflation level is also selected if the restraint system senses that the driver is too close to the steering wheel.

Various sensors determine the direction and severity of an impact and the presence and position of front seat occupants, see page 70. The system analyses this information then deploys only the appropriate air bags, e.g. the side air bags where the impact is on that side only.

Air bags will not deploy at very low speeds or in rear impacts.

## Front protection



JOL3289

With a front impact of sufficient force, the restraints system will trigger the front air bag(s) and seat belt pretensioners, which immediately tighten the seat belts.

For front occupants, the seat belt then slackens with increasing chest load, allowing the head and chest to more gradually come into contact with the inflated air bag.

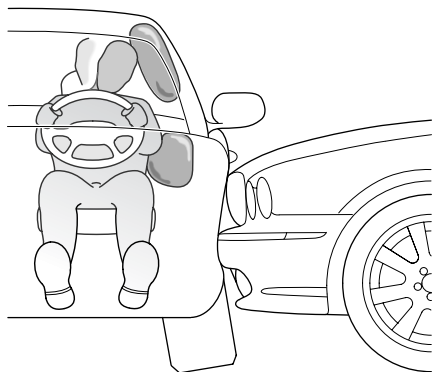
The air bag absorbs the remaining energy of the impact and then deflates rapidly via vent holes.

Front air bags are designed to inflate in frontal and near frontal collisions, not low speed impacts, roll-over, side-impact or rear-impact.

Where the air bags are not deployed, protection is provided by the seat belts.

# Occupant Protection

## Side protection



JOL3287



### **WARNING:**

To ensure that the side air bags are fully effective:

- **DO NOT** sit too close to, or lean against the door trim. The side airbag could injure you as it deploys from the side of the seat
- **DO NOT** lean out of the window aperture.
- **Only use JAGUAR APPROVED accessories (e.g. seat covers).**

The side protection system utilizes four air bags: Two mounted in the front seats, and two curtain air bags located just above the front and rear door openings under the headlining trim.

When the seat mounted thorax air bag inflates upon a vehicle side impact, it breaks through the seat bolster stitching, protecting the side of the rib cage of the driver or front seat passenger.

When the curtain air bag inflates upon a vehicle side impact, it breaks through the headlining and deploys downwards, giving head protection to the front and rear seat occupants on the impact side.

The curtain air bag on the front passenger side is always deployed in a side impact even if the front passenger seat air bags are de-activated. This is to maintain protection for a rear occupant.

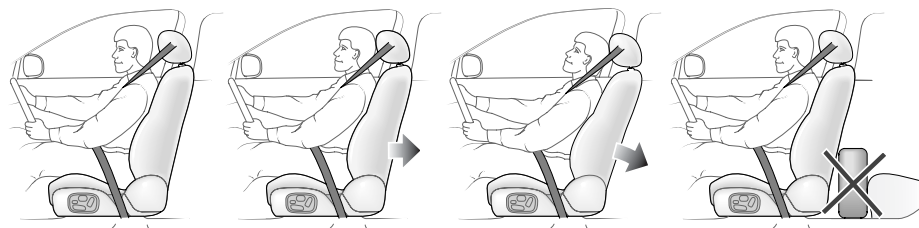
Seat mounted thorax and curtain air bags are designed to inflate in a side impact collision, not rollover, rear-impact, frontal or near-frontal collisions, unless the collision causes sufficient lateral deceleration.

The air bags, in combination with the seat belts, can help reduce the risk of severe injuries in the event of a significant side impact collision.



# Occupant Protection

## Rear impact protection



JOL2778

Both front seats have active, energy absorbent backrests which, with correctly positioned headrests, reduce the risk of neck and spinal injury whiplash in the event of a rear impact.

When activated, the seat backrests automatically move back and recline, altering the occupants' posture and reducing relative motion between the body and head.

The degree of backrest movement in a rear collision depends on the angle, speed and nature of the colliding vehicle.

After activation, the whiplash protection mechanism will not work again and the seat must be serviced by a Jaguar Dealer to restore the protective function.

**Note:** The amount of backrest movement depends on the severity of the impact and for a minor collision there may be no apparent change to the seat even where the protective system has been activated. After any rear collision, therefore, the seat must always be inspected by a Jaguar Dealer.

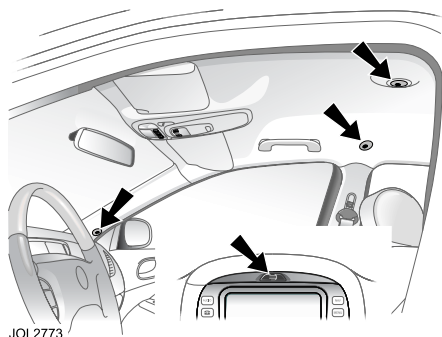


### WARNING:

- For optimum protection, the driver and passenger should sit in the centre of the seat with the head as close as possible to the head restraint.
- Do not wedge objects (e.g. luggage) between the front seat backrest and the rear seat cushion.
- After a rear collision, the front seats must be inspected by a Jaguar Dealer even where there is no apparent damage or change to the seat.
- Do not attempt to service or tamper with the seat recliner mechanism.
- Adjust the head restraint so that it is just behind your head and never behind your neck.

# Occupant Protection

## Occupancy sensing



The front passenger seat is monitored by ultra-sonic sensors, see above, and a seat weight sensor to determine the presence, weight and position of the front passenger. In certain conditions, e.g. where no passenger is present, the appropriate air bags will be de-activated. In a collision these air bags would not be deployed.



### **WARNING:**

It is important that the passenger position sensors are not obscured in any way which could affect air bag deployment, e.g. fitting non-approved accessories.

The occupancy sensor operates as follows:

Passenger occupancy status	Passenger air bag status	Indicator light active
Completely empty	Deactivated	No*
Low weight occupant/object	Deactivated	Yes
Heavy occupant/object	Activated	No
Passenger head too close to air bag door	Deactivated	Yes

\*It is possible to receive an intermittent indicator light, see page 71, with an empty seat condition. This is part of the system's adaptive behaviour, and does not affect the status of the passenger air bag. However, if the indicator light becomes permanently illuminated when the seat is definitely empty and the seat belt is unbuckled, then contact your nearest Jaguar Dealer immediately.

- If the seat is empty and the seat belt unbuckled, the front air bag will not be activated and the AIR BAG indicator light will not be illuminated.
- If the seat is occupied by, for example, a small child or object with the seat belt buckled, the front air bag will not be activated and the AIR BAG indicator light will be illuminated.

# Occupant Protection

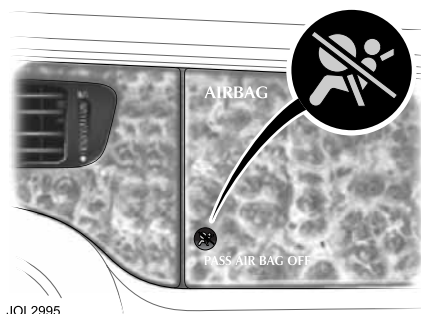
- If the seat is occupied by a larger child or adult, the front air bag will be activated and the AIR BAG indicator light will not be illuminated.
- If the passenger adopts a posture (e.g. leaning very far forward) which could cause injury from an inflating air bag, the front passenger air bag will not be activated and the AIR BAG indicator light will be illuminated.

**Note:** The occupancy sensing system is designed to confirm that a front passenger is properly seated as recommended:

- Always sit centrally in the seat, remaining in contact with the seat back which for comfort should be rearwards of the vertical position.
- Adjust the seat to be as far back from the fascia as practical.
- Always wear seat belts.

The seat adjustment controls are described on page 80.

## Air bag de-activation indicator light



The AIR BAG indicator light on the passenger fascia is associated with the deployment conditions for front seat passenger air bags only.

Whenever the AIR BAG indicator light on the passenger fascia is illuminated, the front passenger air bag will not be deployed in the event of an impact. Where the air bags are not deployed, protection is provided by the seat belts.

## Air bag disposal



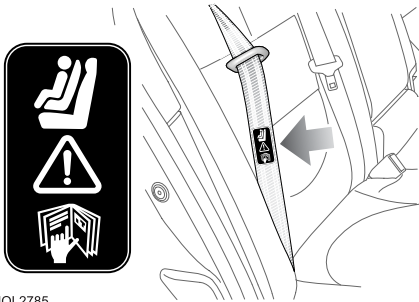
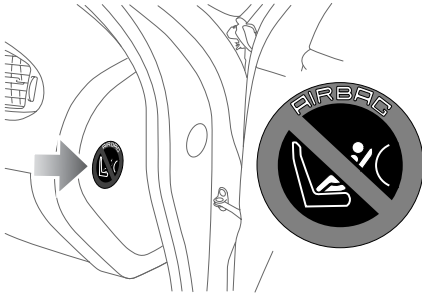
### WARNING:

Do not attempt to service, repair or modify the air bag system or its electrical fuses. All work on the air bag system, including renewal after deployment, must be carried out by an authorised Jaguar Dealer. Instructions can be obtained from a Jaguar Dealer.

In the event of the vehicle being dismantled, air bag module removal and disposal MUST be made by a qualified person.

# Child Safety

## GENERAL SAFETY INFORMATION



JOL2785

Jaguar Cars Limited strongly recommends that at all times children should be carried in the rear seats.



### WARNING:

- Children must be restrained by a child safety restraint that is suitable for their weight and size.

- Extreme hazard! DO NOT install a rearward-facing child seat or child restraint in the front passenger seat position since deployment of the passenger fascia air bag could cause death or serious injury to the child.

This is emphasised by the label displayed on the end of the fascia on the front passenger side, as shown in the illustration.

If, however, you have no alternative but to place a child in the front passenger seat, use only a forward-facing child seat with the passenger seat set fully rearward and in its lowest position.

- Always follow the fitting instructions supplied with the appropriate child restraint system. It is important to read and understand all the information contained in this handbook relating to child safety before carrying a child in your vehicle. If you are unsure about any aspect of this information, contact your Jaguar Dealer.

In many countries legislation governs how and where children should be carried when travelling in a vehicle.

It is the responsibility of the driver to comply with all regulations in force in the country where the vehicle is being used.

Holding a baby or child in a person's arms is not a substitute for a child restraint system. Do not use a seat belt to restrain more than one person.

# Child Safety

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In an accident, a baby or child held in a person's arms can be crushed between the vehicle's interior and a restrained person.

The child can also be injured by hitting the interior or by being thrown from the vehicle during a sudden manoeuvre or impact.

Injury can also be caused if the baby or child is allowed to ride on the seat unrestrained. Other occupants should also be properly restrained to help reduce the chance of injuring the child.

Do not allow children to stand in the space between the front seats, or on the passenger seats.



## **WARNING:**

- **Do not put an adult seat belt around two children.**
- **Choose a child seat that sits securely on the seat cushion and against the seat back.**

## **Child restraint systems**

Look for the following when selecting a child restraint system:

- It should have a label certifying that it meets the applicable Regulations.
- Carefully read the instructions supplied with the restraint. Be sure you understand them and can install and use the device properly and safely in the vehicle.

## **Infant safety**

Babies and small children who cannot sit up by themselves should be carried in an approved rear facing infant carrier, which should always be installed in a rear seating position.

# Child Safety

## CHILD SEATS

<b>PROPER CHILD SAFETY SEAT USE CHART</b> Buckle Everyone. Children Age 12 and Under in Back.			
	<b>INFANTS</b>	<b>TODDLER</b>	<b>YOUNG CHILDREN</b>
<b>WEIGHT</b>	Birth to 1 year at least 9 to 10 kg (20 to 22 lb).	Over 1 year and Over 9 to 18 kg (20 - 40 lb).	Over 18 kg (40 lb) Ages 4 - 8, unless 145 cm (4'9").
<b>TYPE of SEAT</b>	Infant only or rear facing, convertible.	Convertible / Forward-facing.	Belt positioning booster seat.
<b>SEAT POSITION</b>	Rear-facing only.	Forward-facing.	Forward-facing.
<b>ALWAYS MAKE SURE</b>	Children to 1 year and at least 9 kg (20 lb) in rear-facing seats. Harness straps at or below shoulder level.	Harness straps should be at or above shoulders. Most seats require top slot for forward-facing.	Belt positioning booster seats must be used with both lap and shoulder belt. Make sure the lapbelt fits low and tight across the lap/upper thigh area and the shoulder belt fits snug crossing the chest and shoulder to avoid abdominal injuries.
<b>WARNING</b>	All children age 12 and under should ride in the back seat.	All children age 12 and under should ride in the back seat.	All children age 12 and under should ride in the back seat.

### Choosing a suitable child seat

Before you buy a child seat, it is important to note that your child's weight, rather than age, determines the type of seat that is required.

**Jaguar recommends that a rear-facing seat with a harness is used for as long as your infant's development allows.**

Avoid travelling with your infant forward-facing until they are between 9 to 18 kg (20 to 40 lb) and able to sit up unaided. Up to the age of two, a child's spine and neck are not sufficiently developed to avoid injury in a frontal impact.

**Always use the top tether to secure a forward-facing child seat where possible.** (See page 78.)

# Child Safety

---

It is also important to consider how you plan to use the child seat. For longer journeys, a reclining seat may offer added comfort and support for a sleeping child, while a lightweight design may be easier to lift in and out of the vehicle.

It is also worth noting that some children are more suited to a harness-style seat than a booster seat during their toddler years.

We strongly advise that you do not buy or use a second-hand child seat. The seat may have been used inappropriately, or involved in an accident. In such circumstances, the seat may not protect your child.

Because child seats vary in shape, certain designs may be more stable when mounted on the outer rear seating positions, rather than in the centre.

Always check that the child seat can be mounted securely in the required position: if in doubt, speak to your Jaguar Dealer.

## Fitting the child seat

Passenger seat belts (not the driver's) have an automatic locking device for use with child seats.

If engaged, this device, where fitted, allows the belt to be retracted (tightened) but not pulled out. When used to secure a child seat, therefore, the belt will automatically lock at any point to which it has retracted.

Always use and keep the manufacturer's fitting instructions.

The following checks should always be carried out:

- Fit the child seat in the correct position and secure with the seat belt in accordance with the manufacturer's instructions.
- Regularly check and refit the child seat to ensure there is no slack in the installation.
- Pull the seat belt all the way out to engage the locking device, where fitted.
- To fix the seat firmly, retract the belt back onto the reel; a ratchet operation will be felt as the belt retracts. Continue to pay the belt back onto the reel until it fits snugly around the child seat.
- Make sure the child seat is fitted firmly to the car seat. There should not be excessive forward or sideways movement.
- The seat belt must not be twisted and the buckle must not rest on the child seat frame as it may snap open in an accident.
- Never modify the seat or install it differently to the instructions.

Depending on the features of a particular child seat, e.g. forward or rearward-facing, engage the locking device before or after attaching the belt, as convenient.

Unbuckling the belt and releasing the child seat will allow the belt to resume its normal operation.

Always secure an unoccupied child seat safely. In an accident, an unsecured child seat may pose a risk to the vehicle's occupants.

# Child Safety

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## Booster seats

If a booster seat is used, position the lap section of the adult seat belt over the child's pelvis. The diagonal seat belt should rest on the child's shoulder, not the neck.

## CHILD RESTRAINTS

### Safe use of child restraints

Ensure there is no slack in the webbing and the restraint fits the child snugly across the rib cage and hips. These are the parts of the body most able to take the force of an impact.

- Ensure the path and position of an integral harness across the shoulders is appropriate for your child's development – consult the manufacturer's instructions.
- The lap strap should pass across the top of the child's thighs, bearing on the pelvis, not the abdominal area.
- Adjust the harness every time, so that one or two fingers only can be inserted between the child and harness. Different clothing on a child can make a difference to the correct fitting of the harness.
- Make sure the harness webbing is not twisted.
- Never modify the seat harness or buckles, as this may affect the quick release mechanism.
- Always secure your child correctly, even for the shortest journey.
- Follow the seat manufacturer's instructions for harness adjustments.

Make sure the child seat is securely fitted, and follow the check list on page 79.

## LATCH child restraint system

(Lower Anchors and Tethers for Children)

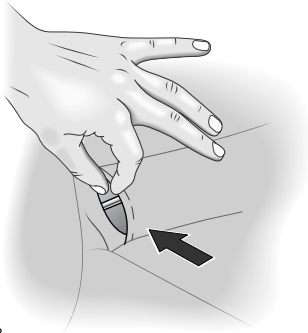
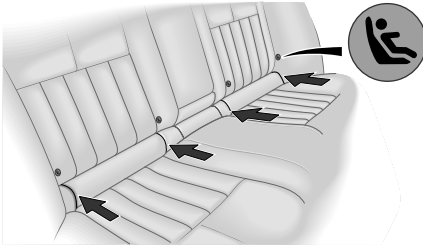
Your vehicle is fitted with a set of LATCH brackets that allow the LATCH child seat to be secured directly and easily to the vehicle body without the use of adult seat belts.

Many injuries to children in accidents are caused by the incorrect fitting and tensioning of the adult seat belts, which are normally used to secure child seats. The LATCH system reduces the likelihood of incorrect fitting and is also quicker and simpler to use.

The LATCH system uses two anchorage loops and a top tether bracket fixed to the vehicle body. The LATCH child seat has two retractable lower catches that lock onto the anchorage loops and a strap that clips onto the top tether bracket. The child seat has a quick release mechanism to allow it to be removed easily.



# Child Safety



JOL3673



The anchorage loop locations are highlighted by the small labels with a child seat graphic.

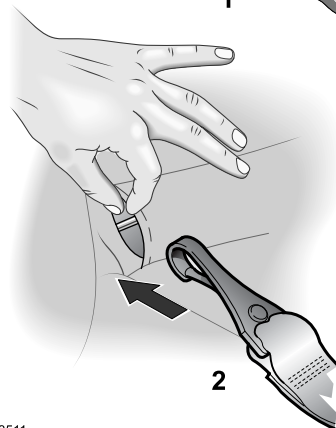
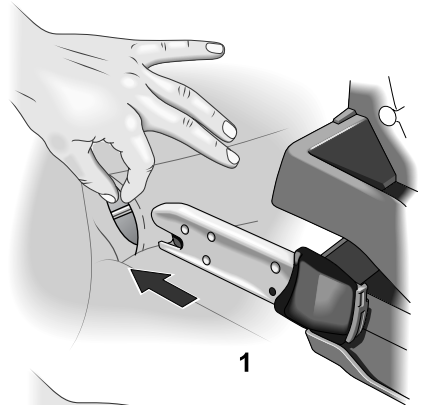
They are located approximately 6.0 cm (2.5 inches) below each label. Pull back the side panel of the trim as indicated, see illustration above, to reveal the aperture and the loops.

To ensure that the LATCH child seat is installed safely, read all the information provided in this Section.

## Installing the LATCH seat

**Caution:** Always follow the manufacturer's instructions supplied with the LATCH child seat. The following is to be considered only as a guide.

LATCH seats can only be installed in the rear outboard seating positions. If necessary, remove the headrest.



JOL3511

# Child Safety

## LATCH seat with anchorage legs (1)

(See illustration on previous page.)

Fit the seat as follows:

1. Push the adult seat belt buckles into their stowage recesses, to ensure they do not interfere with the fitment of the child seat.
2. Make sure there is nothing obstructing the seat mounting mechanism at the anchorage points.
3. Release the lever on the rear of the seat and fully extend the two attachment legs on the child seat. Ensure the hook at the end of each leg is open.
4. Position the attachment legs just in front of the trimmed apertures for the LATCH anchorage loops (see previous illustration). Push the anchorage leg through the trimmed aperture to engage with the vehicle's anchorage loop. There should be an audible click.
5. Repeat Step 4 for the seat's second anchorage leg.
6. Using firm and even pressure on both sides, push the child seat rearwards until it is secured firmly against the seat back. Make sure you do NOT trap the top tether strap behind the child seat.
7. Attach the top tether, refer to child restraint top tether anchorages on page 78.
8. As a final check, firmly pull both sides of the seat to confirm that it is correctly locked in position.

## LATCH seat with tether straps (2)

(See illustration on previous page.)

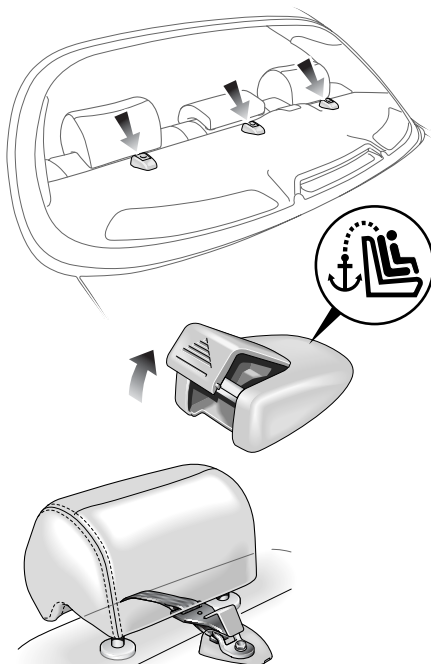
Clip the flexible lower straps to the two LATCH loops. Adjust the length of each strap until the seat is held firmly against the vehicle back.



### WARNING:

The top tether must always be used to secure the LATCH child seat. Refer to the following Section.

### Child restraint top tether anchorages and brackets



JOL2789

# Child Safety

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The top of the child seat is connected by a short strap to the top tether bracket to prevent the seat from rotating about the lower anchorages. The top tether brackets are positioned on the rear parcel shelf, under access covers, at the centre-line of each rear seating position.

Pass the top tether strap under the vehicle rear head restraint to connect to the top tether bracket on the parcel shelf. Adjust the length of the top tether strap to hold the top of the child seat against the vehicle seat back.

Make sure the child seat is securely fitted, and follow the additional check list on page 79.



## **WARNING:**

**Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child seats. Under no circumstances are they to be used for adult seat belts or for attaching other items or equipment to the vehicle.**

## **CHILD RESTRAINT CHECK LIST**

Follow the check list each time your child travels in the vehicle:

- Carefully follow the instructions provided by the manufacturer of the restraint system.
- Make sure your child falls into the correct weight range for the seat.
- Always use the appropriate child restraints and adjust harnesses for every child, every trip.

- Avoid dressing your child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of your child seat and replace seats or harnesses that show signs of wear.
- No child seat is completely child-proof. Encourage your child not to play with the buckle or harness.
- Never leave a child unsupervised in the vehicle.
- Activate the rear door child safety locks, refer to page 47.
- Ensure your child does not exit the vehicle from the side where there is traffic.
- Set your child a good example – always wear your seat belt.
- Ensure that you have removed all slack from the adult seat belt (non-LATCH restraint only).

## **Additional checks for LATCH child restraints**

- **Always attach the top tether when installing the LATCH seat.**
- Always give the LATCH seat a final pull to ensure the lower anchors are secure, even if the green buttons indicate that the seat connectors are latched.

# Seats

## SEAT ADJUSTMENT



### WARNING:

- Do not make adjustments when the vehicle is moving.
- Front passengers must not ride with the seat fully reclined.

### Front seat adjustment

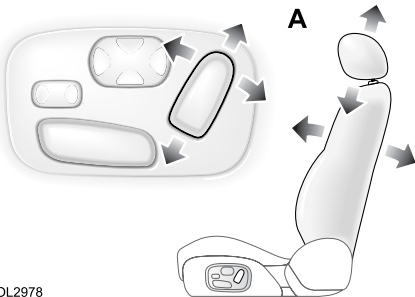
The front seats are adjusted electrically by switches on the side of the seat cushion. Adjustment can be made with or without the ignition key inserted.

The number of seat adjustments varies with the vehicle specification but all options are described in this section. If a seat movement is not specified for your vehicle, the control switch will either not be fitted or will not include that seat function (switch movement will be inhibited).

Seat adjustments for two people may be stored and recalled by the driver position memory system. Refer to Memory Setting on page 92.

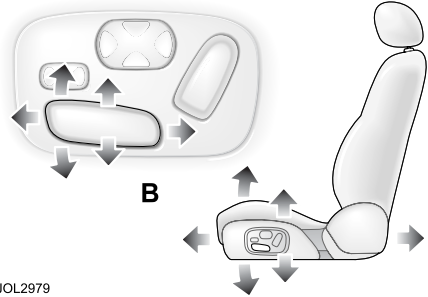
The full range of seat adjustments are:

**Backrest angle (recline) and, if specified, headrest height (A):**



JOL2978

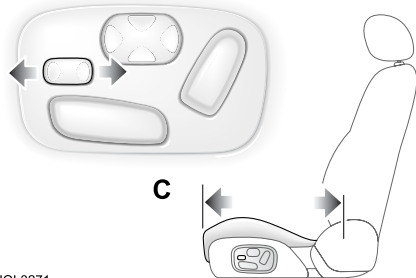
**Seat fore and aft position and, if specified, cushion height and front tilt (B):**



JOL2979

- Move the switch forward or rearward to change the seat fore and aft position.
- Move the centre or rear of the switch up or down to adjust cushion height.
- Move the front of the switch up or down to tilt the front of the cushion.

**If specified, varies the cushion length (C):**

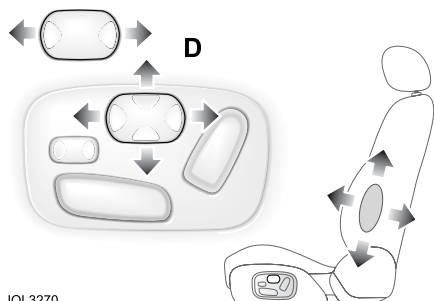


JOL3271

Moving the control will change the distance between the front of the cushion and the backrest.

# Seats

## Lumbar (D):

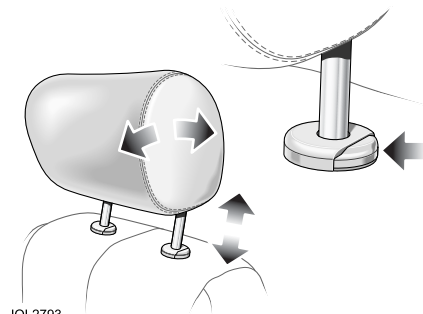


JOL3270

If specified, provides adjustable lumbar support in the lower backrest. Either of two options may be fitted:

- **2-way or 4-way switch (Where fitted):** Press the front or back of the switch to increase/decrease lumbar support.
- **4-way switch only (Where fitted):** Press the top or bottom of the switch to adjust lumbar support upwards or downwards.

## Manual head restraint adjustment



JOL2793



### WARNING:

**Adjust the head restraint so that it is just behind your head and never behind your neck.**

All headrests may be removed e.g. to fit a large child seat. Hold the escutcheon button down and pull out the headrest.

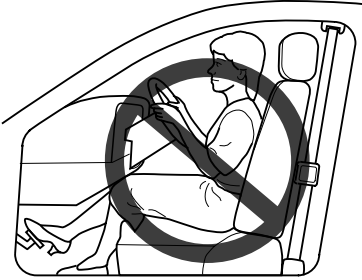
Where electrically adjusted headrests, refer to Seat Adjustment on page 80, are not fitted, the front head restraints are manually adjustable:

- **To lower:** Press the button in the escutcheon and push the headrest into the seat back to the required height.
- **To raise:** Pull the headrest upwards.
- Swivel the head restraint forwards or backwards until it is comfortably positioned behind your head.

**Rear head restraints** – All rear head restraints are adjustable for height only.

# Seats

## DRIVING POSITION



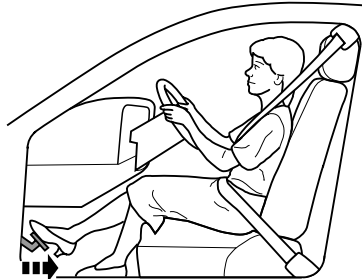
JOL2779

**Wrong:** Unbelted and too close.



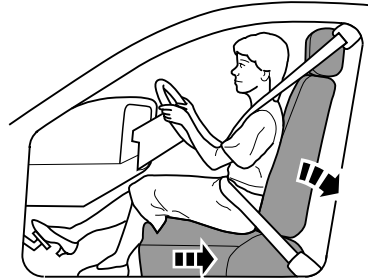
JOL2780

Use seat belts.



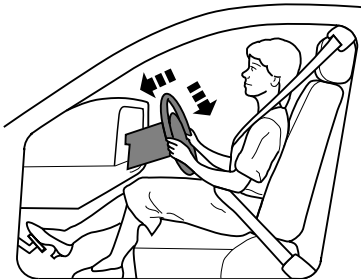
JOL2781

If adjustable pedals fitted, move pedals towards seat.



JOL2782

Move seat rearwards and recline back of seat.



JOL2783

Tilt wheel down/forwards.



JOL2784

**Correct:** Belted and \*25.4 cm (10 inches).

# Seats



## WARNING:

**Driver and front seat passenger should always move their seats as far rearwards as is practical.**

Ideally, drivers should sit with at least 25.4 cm (10 inches) between the centre of their breastbone and the cover of the steering wheel airbag.

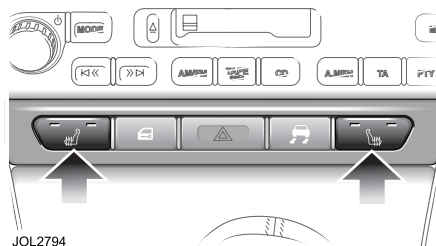
Since the risk zone at the time of deployment is the first 5.4 cm to 7.5 cm (2 to 3 inches) from the air bag cover, sitting back 25.4 cm (10 inches) provides a clear margin of safety. Very few drivers are unable to achieve and maintain that safety gap.

The vast majority of drivers who do not now sit that far back can change their position and achieve that distance.

- If adjustable pedals are fitted, move them towards the seat.
- Move your seat back as far as you can while still comfortably reaching the pedals.
- Recline the back of your seat one or two notches from the upright position. If reclining the back of your seat makes it hard to see the road, raise the seat.
- Tilt the steering wheel/column downwards so as to point the air bag at your chest instead of your head and neck. Adjust the steering wheel/column fore/aft so that it extends towards the driver as little as possible, ensuring that the air bag has plenty of room to deploy.
- Sit in the centre of the seat with the head as close to the head restraint as possible.

**Note:** *Seat, steering wheel and pedal adjustment controls are described on pages 80, 85, and 87 respectively.*

## FRONT SEAT HEATERS



Each seat has a heater switch on the centre console. With the ignition switch in position **II**, press a switch to select the heat setting:

The optional heated front seats incorporate heaters in the backrest and cushions and have two heat settings.

- A first press selects the higher temperature setting, indicated by two red lights on the switch.
- A second press selects the lower temperature setting, indicated by one red light.
- A third press turns the seat heater off; both indicator lights off.

The heater will automatically switch OFF after ten minutes or if the ignition is turned OFF or a fault is detected.

The heater will maintain a pre-set temperature while it is switched on.

Storage of the vehicle in a heated garage, body heat or warm ambient temperatures may prevent operation of the seat heater.

# Clock

## CLOCK ADJUSTMENT

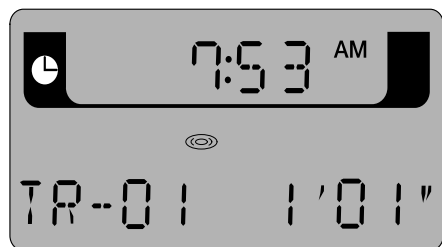
The position of the digital clock depends on the equipment fitted to the vehicle.

If a touch-screen is fitted to the vehicle, the clock will be incorporated in the touch-screen display.

If the vehicle is not equipped with a touch-screen, the clock is included in the audio display.

- For more information concerning the operation of the audio system controls, refer to the audio systems handbook.
- For more information concerning the operation of the touch-screen, refer to the touch-screen display handbook.

### Non-touch-screen



JOL2486

If the vehicle is not fitted with a touch-screen, adjust the clock using the audio system controls as follows:

1. Press and hold **MODE** until **TA VOLUME** is displayed.
2. Repeatedly press **MODE** until **CLOCK SET** is displayed.
3. To select 12 or 24 hour format, press the seek up/down keys.
4. Press **MODE** to continue.
5. If 12 hour is selected, use # to denote AM or PM.
6. Use the key pad to enter the time in four digit format.
7. To exit, press and hold **MODE** until the display reverts to audio mode.

### Touch-screen



JOL2487

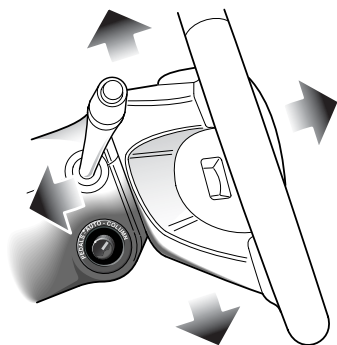
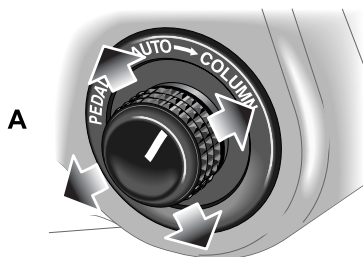
If the vehicle is fitted with a touch-screen, the clock is adjusted as follows:

1. Press the **MENU** button on the touch-screen control panel. The system menu screen will be displayed.
2. Touch the **System Setup** button on the **MENU** screen.
3. Touch the **Set Clock** button on the **SYSTEM SETUP** screen.
4. Clock adjustment is made by touching the hour or minute, up or down arrow buttons.
5. Touch the **12/24** button to select twelve or twenty-four hour display.
6. Confirm your setting by touching **Set**.



# Steering Column

## STEERING COLUMN ADJUSTMENT



JOL2705



### WARNING:

Do not adjust the steering column whilst driving.

**Caution:** Do not use steering wheel mounted security devices since movement of the steering wheel in entry/exit mode could result in damage to the vehicle (e.g. the windscreen) or possible injury to the occupant.

The steering column can be adjusted for tilt and reach by operating the rotary/joystick control switch (A) on the left side of the steering column.

1. Turn the switch to the **COLUMN** or **AUTO** position.
2. Move the switch forwards or backwards to adjust reach.
3. Move the switch up or down to adjust tilt.

Two column positions may be stored and recalled by the driver position memory system, refer to Memory Setting on page 92.

### Entry/exit mode

Entry/exit mode provides automatic movement of the steering column and driver's seat to allow easier entry to or exit from the vehicle.

Entry/exit mode is selected by setting the steering column adjustment switch to the **AUTO** position (B).

**Exit** - If the ignition key is in position **0** or position **I** and the driver's door is opened or if the ignition key is removed, the steering column will move to the uppermost tilt position (unless already in that position) and the seat will move slightly rearwards and/or downwards, depending on its current position.

# Steering Column

---

**Entry** - When the key is next inserted in the ignition switch and the door is closed, the steering column and seat will return to their previous positions. If, however, the memorised driver position has been changed (using the door **MEMORY** switch or another key transmitter), the steering wheel and seat will move to the new position.

## Notes on entry/exit mode operation

- If the adjustment switch is moved away from **AUTO** whilst the steering column is tilted away, the steering column will move back to its memorised position when the key is next inserted in the ignition and entry/exit mode is then cancelled.
- If the adjustment switch is moved during entry/exit operation, steering column movement will stop.

# Pedal Controls

## PEDAL ADJUSTMENT

(Where fitted)



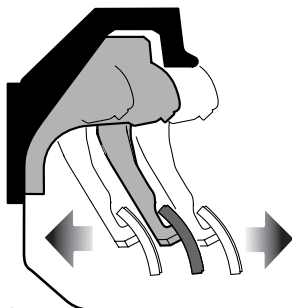
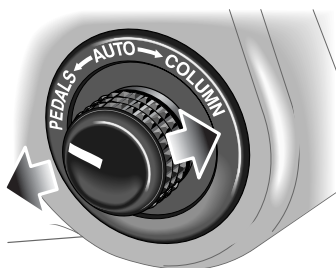
### WARNING:

**Do not adjust the pedals whilst driving.**

This optional facility enables the pedals to be moved towards or away from the driver's seat, providing extra adjustment for the driving position. All pedals move together (no individual pedal adjustment) and are electrically controlled from the combined steering column/pedal adjust switch on the left side of the steering column housing. The adjustment can be made with or without the ignition key inserted.

To adjust the position of the pedals, turn the switch to **PEDALS**, then push it forwards or rearwards to cause a corresponding movement of the pedal assembly.

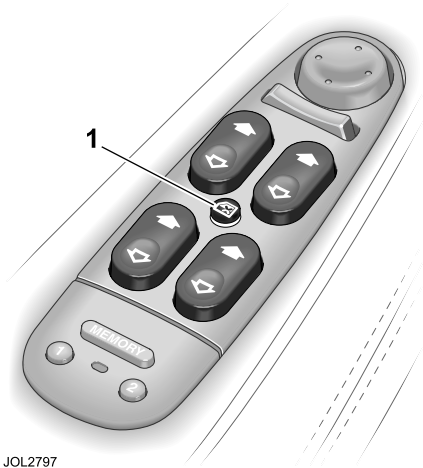
Two pedal positions may be stored and recalled by the driver position memory system, refer to Memory Setting on page 92.



JOL2796

# Door Windows

## WINDOW OPERATION



JOL2797

The front and rear door windows are electrically operated.

Switches on the driver's door control all door windows.

Passengers are provided with a switch to control their door window only.

These switches will only operate the windows when the ignition switch is in position **I** or **II** or for up to ten minutes when the ignition switch is moved to position **0** (key in or out) so long as the driver's and front passenger's doors remain closed.



### WARNING:

- When raising windows ensure all occupants are clear.
- When leaving the vehicle take the ignition keys to prevent misuse of the window switches by remaining occupants, especially children.

### Raise/lower

To lower a window, press and hold the rear of the switch until the desired position is reached, then release.

To raise a window, press and hold the front of the switch until the desired position is reached, then release.

If the switches are held for longer than six seconds, for example, when attempting to overcome frozen or jammed windows, the window drive will be switched off for a few seconds to protect the window drive motors.

### One-touch operation

Each window has a one-touch facility enabling the occupant to fully open or close the window in one quick movement.

Press the switch briefly to close or open the window in one movement. Window travel can be stopped at any time by pressing the switch again.

### Immobilising the rear windows

The rear windows can be immobilised from the driver's door controls to prevent passengers from operating their windows.

To immobilise the rear windows, press button (1) down to the latched position i.e. flush with the bezel.

To enable rear window operation, press button (1) again so that it is in the raised position with the white band showing.

### Wind resonance with lowered windows

Due to the sleek exterior of the vehicle, it is possible for a resonance, booming sound to occur when one or both rear windows are open; this is eliminated by slightly opening an adjacent front window.

# Door Windows

---

## WINDOW ANTI-TRAP PROTECTION

Each electrically operated window has an anti-trap protection feature. If the upward movement of the window detects an obstacle the anti-trap system will immediately stop the window closing, then move it downwards for a short distance.



### **WARNING:**

**If the battery is disconnected or discharged the window anti-trap feature is lost. When the battery is reconnected or recharged the window anti-trap system must be reset.**

**To reset the electrically operated windows anti-trap system:**

- Fully close the window, hold the switch in the close position for two seconds and then release the switch. Wait for two seconds, do not open the window.
- Again, select the same window to close, holding the switch for a further two seconds.
- Check to confirm the operation by opening the window and then use one touch operation to close the window.
- Repeat for the remaining electrically operated windows.

### **To override the anti-trap protection**

The anti-trap system will also stop the window closing if a blockage or resistance occurs e.g. in the window guide channels. Typically this might be due to icing in winter but could also be caused by damage or misalignment of the guide channels or seals.

To override the anti-trap action:

- After the initial attempt to close the window, operate the close switch a second time.
- When the window has reversed from the blockage, operate the switch (within ten seconds) until the window stops again (it will not reverse on the third attempt).
- Immediately operate the close switch again. The window will now move up a short distance with increased force to override the blockage.
- Repeat the override action until the window has closed. Each time the window stops, the switch must be operated immediately to initiate further override action.

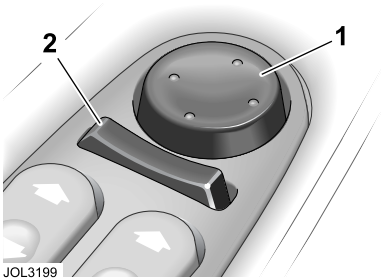
If this procedure fails to move the blockage, the anti-trap feature will be lost and must be reset (see first column) after the blockage has been cleared.

### **Thermal overload**

If the windows are repeatedly opened and closed (e.g. by a child), a protection system will de-activate window operation for a short period to avoid overheating of the window motors.

# Mirrors

## DOOR MIRRORS



Both door mirrors are adjusted from the driver's door switchpack.

The four-way adjustment button (1) moves the mirrors to the required position. The selector switch (2) selects the mirror to be moved, left for the left-hand side mirror and right for the right-hand side mirror. When the selector switch is in the centre position, adjustment to either mirror is inhibited.

**Note:** The passenger door mirror is convex, providing a wider field of vision. As a result, objects viewed in the mirror are closer than they appear.

Each mirror housing, except power foldback, is designed to pivot against the vehicle upon impact. To return the mirror to its normal position, manually reposition the housing until it locks into place.

### Power foldback (Where fitted)

To assist parking by reducing the overall vehicle width, an optional facility enables the door mirrors to be folded back.

Set mirror selector switch (2) to the centre position.

To fold the mirrors inwards, briefly press the rear of button (1). Press the rear of button (1) again to return the mirrors to their normal driving position.

### Note:

- If the button is pressed repeatedly, a thermal cut-out will prevent damage to the vehicle's electronics. If this occurs, wait for five minutes for the cut-out to reset, before operating the button.
- If the thermal cut-out operates and leaves the mirrors in the folded position, the mirrors can be folded outwards manually.
- If the door mirrors are repositioned manually (or knocked out of position), the mirror head will be loose. To re-engage the mechanism, power the mirror to the foldback position, then outwards to the drive position.



### WARNING:

**Do not drive the vehicle with the door mirrors in the folded position, except when parking.**

**Caution:** If door mirrors have been folded against the vehicle due to an impact:

- Reposition power foldback mirrors using the door switches.
- Reposition non-power foldback mirrors manually.

### Mirror heating

The door mirrors have heating elements which work when the rear screen heater is switched ON. The mirror heater will clear all ice from the mirror surface.

# Mirrors

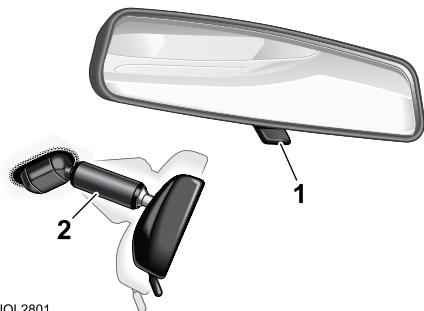
**Caution:** Do not use a scraper to remove ice from the mirrors as this will damage the surface.

## Electrochromic door mirrors

Electrochromic door mirrors are only fitted together with an electrochromic rear view interior mirror. The switches on the interior mirror control the electrochromic function for both door and interior mirrors (see following section).

## INTERIOR REAR VIEW MIRROR

Interior mirrors are either the manual dip or electrochromic type.



## Manual dip mirror

The interior rear view mirror can be dipped to prevent glare from a following vehicle's headlights by pulling lever (1). Pushing the lever returns the mirror to its daytime setting.

**Adjusting the mirror** – The mirror is mounted on an adjustable arm (2) which can be angled to change the mirror height and lateral position.

Hold the arm and move to the desired position and then readjust the mirror itself.

Interior rear view mirror –  
electrochromic  
(Where fitted)



JOL2803

The interior rear view mirror is of the electrochromic type, and is operated automatically when the ignition switch is turned on.

The mirror darkens automatically to prevent glare from a following vehicle's headlights, and clears when light levels return to normal or when reverse gear is selected.

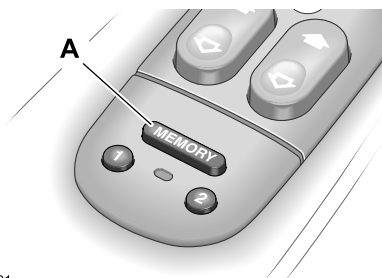
Where electrochromic door mirrors are fitted, they are operated automatically in conjunction with the interior mirror, when the ignition switch is turned on.

## Note:

- Should a mirror assembly become detached from the windscreen, it must be refitted by a Jaguar Dealer.
- Ensure that the windscreen in front of the mirror is kept clean. Where fitted, the moisture sensor for wiper operation is located to the front of the mirror casing. Any dirt may affect the operation of this sensor.

# Driving Position Memory

## MEMORY SETTING



JOL3201

This optional facility enables the position of the driver's seat, steering column, pedals and exterior rear view mirrors to be memorised and recalled. Two different driving position profiles can be entered in the memory.

A key does not have to be in the ignition switch for seat, mirror, steering column or pedals adjustments, nor for memory setting.

### Setting a driving position

To store a driving position in the memory:

1. Adjust the seat, steering column, pedals and exterior rear view mirrors to the desired positions.
2. Push the **MEMORY** button (A) and the red LED in the switchpack will illuminate for a five second period.
3. While the red LED is illuminated, push button 1, or 2 to memorise the configuration. The LED will go out and a chime will indicate that the setting procedure is complete. Additionally, if the ignition is on (position II), the message centre will display a message that the settings have been saved.

By repeating these three steps and pressing the unused button (1 or 2), a further driving position can be stored in the memory.

To set a new driving position, adjust to the desired position and perform steps 2 and 3. The previous memory will be erased and the new position will be set.

### Recalling a memorised position from the door switchpack

The gear selector lever in automatic transmission vehicles must be in **P**, and for manual transmission vehicles the parkbrake must be applied.

Press and release the appropriate memory button (1 or 2). The seat, steering column, pedals and door mirrors will move automatically to the memorised position.

### Memory recall using a key transmitter

The key transmitter will recall a memory position when the unlock button is pressed when set as follows:

1. Adjust the seat, steering column, pedals and exterior rear view mirrors to the desired positions.
2. Press the **MEMORY** button: The red LED will illuminate for a five second period.
3. Press any button on the key transmitter and then press button 1 or 2. Both button presses must occur while the red LED is illuminated.
4. Repeat for the other transmitter, pressing the remaining memory button.



# Driving Position Memory

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To cancel key transmitter memory recall:

1. Press the **MEMORY** button: The red LED will illuminate for a five second period.
2. Press any button on the key transmitter (except the panic button) then press the **MEMORY** button again. Both button presses must occur while the red LED is illuminated.

## Driving position memory system operating tips

- When making adjustments to a set driving position, reset the new position in the same memory channel.
- A driving position will only be memorised during the five second period when the red memory LED is illuminated.
- Previous memory is erased when a new driving position is entered.
- Ensure that the seat has completed moving into the required memory position before shifting the gear selector from the **P** position, or in the case of manual transmission, releasing the parkbrake.
- If the seat memory does not recall correctly, the seat may require to be recalibrated. This may be due to an interruption in the electrical supply. To recalibrate the seat it should be powered fully forwards and backwards and fully upwards and downwards.

# Luggage Compartment

## LUGGAGE TIE-DOWN LOOPS



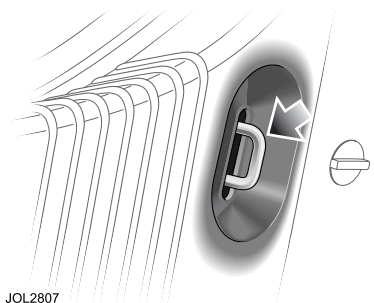
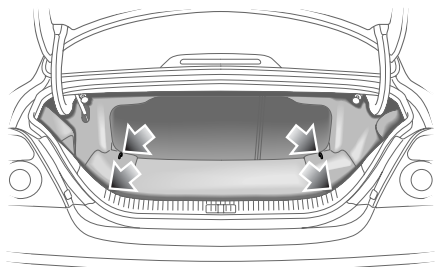
### WARNING:

- **Locate heavy loads in the luggage compartment towards the front of the vehicle and secure them to stop them sliding. Loose items can be a hazard.**
- **Do not drive with the luggage compartment lid open as exhaust fumes can be drawn into the passenger compartment.**

These loops are not to be used for securing passengers or animals nor as anchorages for child restraints.

A range of Jaguar storage accessories, including a luggage retaining net, are available from your Jaguar Dealer.

It is advisable to distribute luggage weight evenly over the entire luggage floor area, particularly to prevent permanent damage to the seat trim when a seat has been folded down.



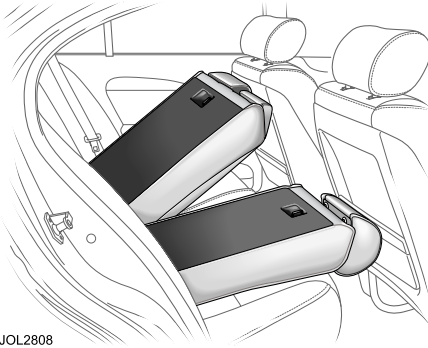
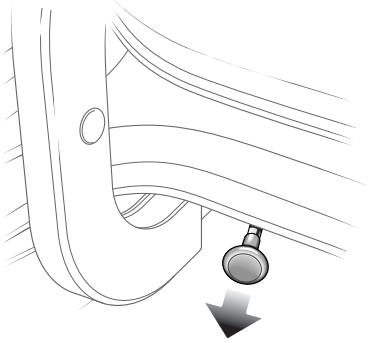
JOL2807

Four metal loops are positioned in the luggage compartment for attaching straps to secure loads and prevent them from sliding over the luggage floor.

# Luggage Compartment

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## REAR SEAT BACK FOLD DOWN



JOL2808

To provide a longer luggage compartment area, the backs of the rear seat on most models can be folded down in two parts to give a 60/40 width split.

Release handles for each seat back are in the luggage compartment under the parcel shelf.

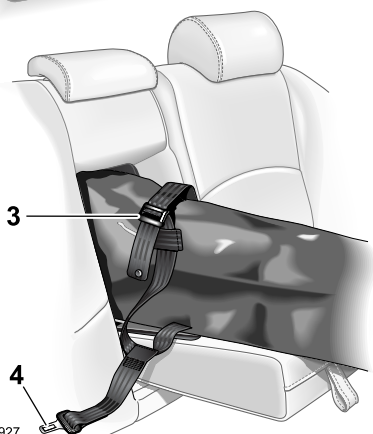
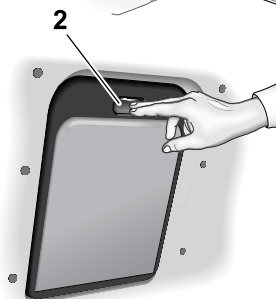
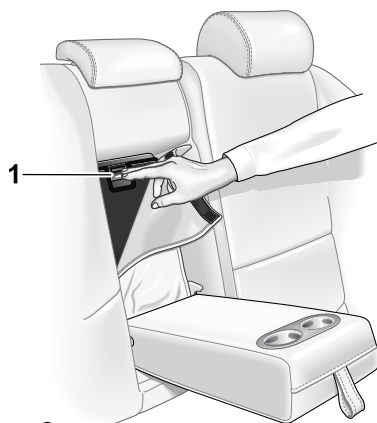
Pull the selected side handle to release the seat back and then fold it onto the seat cushion.

Ensure when folding the seat back down that the armrest is stowed and that there is sufficient clearance between the seat back, including the headrest, and the back of the front seat.

When returning the seat back to the upright position ensure that the seat belts are routed correctly and are not trapped by the seat back. Press the seat back firmly and check that it is locked securely into place.

# Luggage Compartment

## SKI HATCH



JOL3927

A two-door hatch is fitted to the rear seat on some models, providing an opening between the passenger and luggage compartments. This allows space for skis or similar objects to be stowed in the vehicle. Both doors have a single catch.

The inner door is accessible after folding down the armrest. To open the door, pull the leather flap forward, press the catch (1) downwards and gently lower the door on to the armrest.

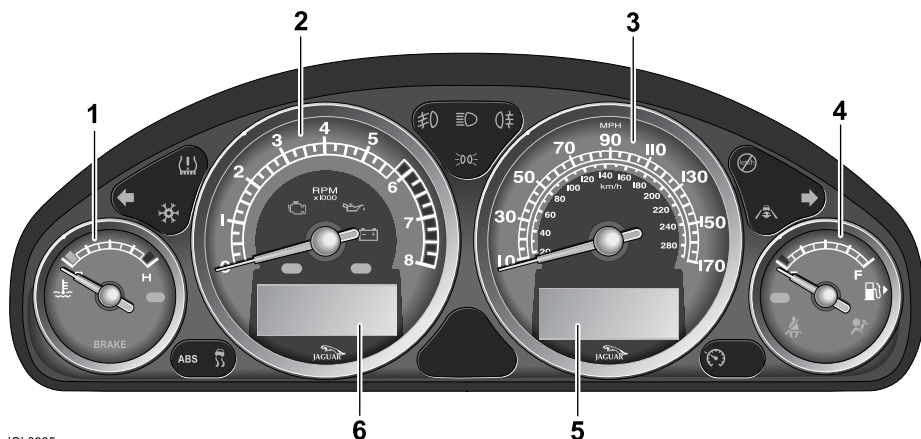
A bag for retaining the skis can now be pulled from the receptacle into the passenger compartment, and the strap (3) loosened ready to accept the skis.

The other door is accessible from inside the luggage compartment and is opened by pushing the catch (2) and lowering the door.

Push the skis into the bag from the luggage compartment and then secure the skis using the strap provided on the bag. Clip the strap connector (4) to the centre rear seat belt buckle.

# Instruments

## INSTRUMENT PANEL



JOL3935

None of the instruments will show correct indications until the ignition is switched ON (position II).

1. Engine temperature.
2. Tachometer.
3. Speedometer.
4. Fuel level gauge.
5. Message centre/Clock display.
6. Message centre/Odometer.

### Engine temperature (1)

Drive at moderate road and engine speeds until normal operating temperature is reached. This is indicated when the pointer is between the blue (cold) segment and the red (hot) segment.

The engine operating temperature will vary with changes in weather and engine load. The engine temperature may rise in some circumstances, such as:

- Idling for long periods in slow moving traffic.
- Driving up a long hill in hot weather.
- Driving slowly or stopping after driving at high speed.
- Towing a trailer.



### WARNING:

- It is unsafe to run the engine in an overheated condition.
- The radiator cooling fans may continue to run after the ignition has been switched off but will automatically switch off when the engine has cooled sufficiently.
- Do not remove the coolant reservoir filler cap while the engine is hot. If it is essential, then protect your hands against escaping steam. SLOWLY turn the cap anti-clockwise to allow the steam pressure to escape completely before removing the cap.

# Instruments

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Should the pointer move into the red segment (H) of the coolant gauge a RED priority light within the temperature gauge is displayed. Stop the vehicle as soon as it is safely possible, turn off the engine and open the hood to allow the engine to cool.

**Note:** *To assist cooling, high engine temperature automatically turns off the air conditioning. To maintain some cooling it is advisable to switch the air distribution to 'recirculation'.*

## Tachometer (2)

The tachometer indicates engine speed in revolutions per minute and is calibrated in increments of 250.

The scale extends to 8 000 rev/min.

**Caution: Do not allow the needle to enter the red sector.**

## Speedometer (3)

Speed indication is in either:

**USA** - miles per hour, the outer figures, and kilometres per hour on the inner ring.

**Canada and Mexico** - kilometres per hour, the outer figures, and miles per hour on the inner ring.

## Fuel level gauge (4)

Indicates the amount of fuel in the tank.

An amber warning light is displayed within the fuel gauge when the fuel in the tank is at a low level and should be refilled.

The small arrow, shown beside the fuel pump symbol, identifies on which side of the vehicle the filler cap is located.

## Message centre/clock display (5)

The clock is permanently displayed on the bottom line of the speedometer message centre. To set the clock time refer to page 84.

## Message centre/odometer (6)

Records the total distance covered by the vehicle. The kilometre/mileage reading is displayed on the bottom line of the tachometer message centre.

# Warning Lights

---

## PRIORITY LIGHTS

Warning lights are arranged within the instrument cluster.

There are two warning lights, one red, the other amber, located within the tachometer above the message centre.

**RED** warning lights are for primary warnings. A primary warning must be investigated immediately by the driver or a Jaguar Dealer.

**AMBER** warning lights are for secondary warnings when the driver must take action and then report the fault to a Jaguar Dealer at the earliest opportunity. Other lights within the instrument cluster indicate system status, such as blue for main beam and green for direction indicators, when in operation.

## LIGHT CHECK

A light check is initiated when the ignition is switched ON and lasts for three seconds (excepting the airbag warning light which will remain ON for six seconds). If any warning light remains ON after this period, investigate the cause before driving.

When activated, some warning lights have associated messages displayed on the message centre.

**Note:** *Not all lights are included in the light check, for example main beam headlights or direction indicators.*

## WARNING LIGHTS

### Low oil pressure (Red)



This lights up with the ignition switched ON and should go out once the engine is running.

If the light remains ON once the engine has started or comes ON whilst driving, loss of oil pressure is indicated. STOP the engine immediately and investigate the cause.

**Caution: Do not restart the engine until the cause of loss of oil pressure has been identified and rectified.**

First check the engine oil level, refer to page 196.

### Charge indicator (Red)



If the light stays ON when the engine is running it indicates that there is either a battery voltage fault or a generator fault.

Turn OFF all electrical accessories, radio, climate control, rear screen heater etc. Try to use the minimum electrical load as possible such as power windows, electric sunroof etc.

Report the fault to a Jaguar Dealer.

# Warning Lights

---

## Seat belt (Red)



This warning light will illuminate for 60 seconds when the ignition is turned ON and the driver's seat belt is not fastened.

The light should extinguish when the driver's seat belt is fastened

If the warning light stays ON with the seat belt fastened, report the fault to a Jaguar Dealer. It is safe to drive the vehicle with the light ON, provided that the seat belt is properly fastened. Ensure that all occupants seat belts are fastened before driving.

## Beltminder (Red)



Beltminder is supplemental to the standard seat belt warning function.

If the vehicles forward speed exceeds 10 mph (16 km/h) and the seat belt for an occupied front seat is not fastened, the warning light will flash.

This will continue for 10 seconds and then repeat every 30 seconds for five minutes, or until the belt is fastened or the vehicle stops.

Although not advisable, it is possible to disable or reinstate the Beltminder function. Please see a Jaguar Dealer.

**Note:** *If a heavy object is placed on the front passenger seat it may activate the Beltminder feature. It is recommended that the object be placed in the luggage compartment.*

## Brake (Red)



This light will illuminate when:

- The ignition is ON and the parkbrake is ON.
- and/or the brake fluid is low,
- and/or there is a fault with the electronic brake system.

If the light is ON with the parkbrake NOT applied, low brake fluid or a fault with the electronic brake system is indicated. In this case, there may be a loss of braking assistance in one, or both, brake circuits.

If the light is ON with the ABS light also ON then the electronic brake system may not function correctly, which can impair stability when the brakes are applied.



### WARNING:

**DO NOT drive the vehicle until the fault is rectified. Consult a Jaguar Dealer immediately.**



# Warning Lights

## Anti-lock braking system (ABS) (Amber)

### ABS

If a fault has been detected in the anti-lock brake system (ABS) or the parkbrake, this light will illuminate. A message will be displayed in the message centre, to indicate which system is at fault.

If the message **ABS FAULT** is displayed, the brake system will continue to function normally, but without ABS braking.

The message **PARKBRAKE FAULT** will be displayed if there is a fault with the parkbrake. If the red brake warning light also flashes, the parkbrake cannot be applied.

Should the light come on or stay on after the bulb check cycle, stop the vehicle at the first opportunity, turn the engine OFF and then restart.

If the ABS light comes on again at the next driving event, the vehicle should be driven to a Jaguar Dealer at the earliest opportunity.

## Engine malfunction (Amber)



This light illuminates when there is an engine malfunction.

Specialised diagnostic equipment is required to repair such faults. Report the fault to a Jaguar Dealer.

The vehicle may go to 'limp home' mode, with the possibility of reduced engine performance. Drive the vehicle with caution.

## Rear fog lights (Amber)



Illuminates when the rear fog lights are switched ON.

## Dynamic stability control (DSC) (Amber)



The light will flash at the rate of twice a second when DSC is operating.

The message **DSC NOT AVAILABLE** will be displayed and the light will be ON continuously when a fault is detected in the system.

If the system is turned OFF, a message **DSC OFF** will be displayed for four seconds and the warning light will remain ON.

When the system is turned back ON the warning light goes out and a message **DSC ON** will be displayed for four seconds.

## Adaptive cruise control (Amber)



If adaptive cruise control is active, the warning light is illuminated to indicate that the vehicle is in 'follow mode' and automatically maintaining the desired gap to the vehicle immediately ahead.

Only applicable to vehicles fitted with adaptive cruise control.

## Air bag (Amber)



If the air bag system develops a fault, the warning light will flash and then come ON and remain on until the fault has been diagnosed and cleared.

Report the fault to a Jaguar Dealer immediately.

It is safe to drive the vehicle; however, in an accident the air bag may not operate.

# Warning Lights

---

## Low outside temperature (Amber)



Illuminates when frost or ice is likely to form on road surfaces.

The light will continue to be illuminated until the outside temperature rises to a safer level.



### **WARNING:**

**Even if the light is not illuminated, there is no guarantee that at low temperatures the road is free from ice.**

If required, the low outside temperature warning light can be disabled by a Jaguar Dealer.

## Main beam (Blue)



Illuminates when the main beam headlights are switched ON or flashed ON.

## Cruise (speed) control activated (Green)



Illuminates when cruise control, if fitted, is ENGAGED.

## Front fog lights (Green)



Illuminates when the front fog lights are switched ON.

## Side (parking) lights (Green)



Illuminates when the side (parking) lights are switched ON.

## Direction indicators (Green)



The appropriate indicator tell-tale will flash when the column switch is moved up or down to signal a right or left-hand turn. If a direction indicator fails, the tell-tale will flash at twice normal rate when that indicator is selected. Fit a new bulb immediately.

**Note:** *If a bulb has failed, the audible ticking will sound at twice the normal rate.*

## Hazard warning lights

When the hazard warning is selected, both direction indicator tell-tales flash simultaneously.

# Audible Warnings

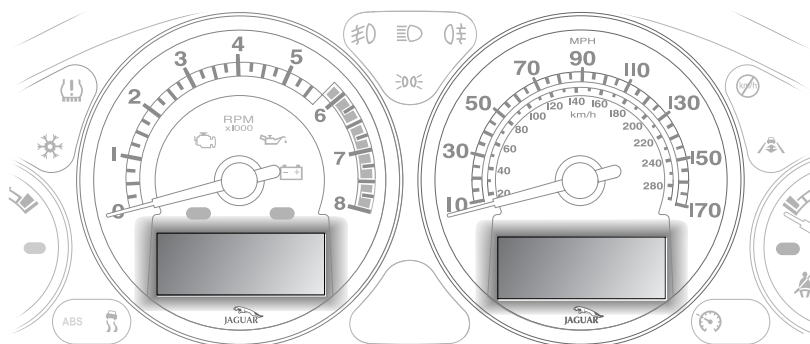
## AUDIBLE WARNINGS

Various sounds are produced for warning and notification purposes as follows:

Hazard or Condition	Remedy/chime or tone
External lights remain ON when the driver's door is opened.	A chime will sound until the lights are switched OFF or driver's door is closed. <b>Note:</b> <i>The chime will not sound if the switch is in the <b>AUTO</b> position.</i>
Hazard warning indicators ON.	A ticking will sound until the hazard indicators are switched OFF.
Left or right direction indicators ON.	If the switch has not turned itself OFF, switch the turn indicator OFF when the manoeuvre is completed. A ticking will sound until the indicators are switched OFF.
Memory 1 or 2 configuration saved.	A short tone as the memory selection is saved.
Air bag system failure.	A tone sequence is repeated five times. Report the fault to a Jaguar Dealer as soon as possible.
Seat belt reminder.	When the ignition is turned ON, an intermittent chime will sound for six seconds or until the driver's seat belt is fastened.
Beltminder.	If the vehicles forward speed exceeds 10 mph (16 km/h) and the seat belt for an occupied front seat is not fastened, an intermittent chime will sound. This will continue for 10 seconds and then repeat every 30 seconds for five minutes, or until the belt is fastened or the vehicle stops.
Electric parkbrake.	If the parkbrake is applied whilst the vehicle is moving a continuous chime is initiated; push the switch to release the parkbrake. If there is a fault with the system which would prevent the application of the electric parkbrake, a brief sequence of chimes is initiated.
ACC Driver intervene.	Action is required by the driver to apply the brakes.
ACC low speed automatic switch off.	A chime will sound to indicate that the ACC system is no longer operating.
Gear selector is not in Park with ignition OFF.	A chime will sound if the gear selector is not in Park when the ignition is switched to I or OFF (automatic transmission only).
Key in ignition switch.	A chime will sound until either the key is removed, the driver's door is closed or the ignition is switched ON.

# Message Centre

## DISPLAY PANELS



JOL3936

Driver information, messages and data are displayed on the message centre display panels situated within the instrument cluster in the tachometer and speedometer gauges.

For the message centres to operate the ignition must be switched ON (position II).

The primary function of the message centres are to inform the driver of the following:

- Warning messages.
- Temporary alert messages.
- Information messages.

The message centres display:

- The total distance covered by the vehicle. Permanently shown in the tachometer message centre.
- Trip computer information.
- Warning messages if system faults are detected.
- Status messages to indicate changes in state of certain vehicle functions.
- The time, permanently shown in the speedometer message centre.

### Message centre



#### WARNING:

**If a red warning light is displayed, stop the vehicle as soon as possible but only when it is safe to do so.**

Most messages, when displayed, have an associated warning light, red or amber, located within the tachometer which will come on to indicate the message priority.

If more than one message is active, each is displayed in turn for two seconds in order of priority.

Messages take priority over the trip computer data and, if active, will be displayed when the ignition is switched ON.

### Message centre illumination

The message centre is lit at all times when the ignition is ON.

# Message Centre

## MESSAGES

The tables on the following pages list all messages and warning lights and explain their meaning.

Message	Warning Light	Priority Indicator	Meaning
LOW BRAKE FLUID	Brake	Red	Displayed when the brake fluid level is low. Complete loss of braking may occur.
ENGINE COOLANT LOW	None	Red	Displayed when engine temperature becomes excessive. Pull off the road when safe to do so and allow the engine to cool.
RESTRICTED PERFORMANCE	None	Red or Amber	This will be displayed when the vehicle has possible loss of power or driveability. Report the fault to a Jaguar Dealer.
ENGINE SYSTEM FAULT	Malfunction Indicator light	Red	Displayed when the engine has defaulted to 'limp-home' mode. Report the fault to a Jaguar Dealer at the earliest opportunity.
DRIVER'S or PASSENGER'S FRONT OR REAR DOOR AJAR	None	Red	Check that all doors are closed before driving.
HOOD OPEN	None	Red	Check that the hood is closed before driving.
TRUNK OPEN	None	Red	Check that the luggage compartment lid is closed before driving.
ABS FAULT	ABS	Amber	ABS will not be available. The braking system will work but care must be used if braking heavily.
BRAKE ASSIST FAULT	None	Amber	Increased brake pedal effort may be required to slow the vehicle when the engine is cold and engine vacuum is low.

# Message Centre

Message	Warning Light	Priority Indicator	Meaning
HIGH TRANSMISSION TEMPERATURE	None	Amber	Displayed when the gearbox temperature is extremely high. The gearbox will attempt to limit the rise in temperature but the driver will experience a degradation of transmission operation. The driver can assist by decreasing the power demand to the engine.
TRANSMISSION FAULT	None	Amber	It is likely that the driver will experience a degradation of transmission operation and possibly reduced acceleration capability.
DSC NOT AVAILABLE	Stability Control	Amber	Displayed when a fault occurs in the stability control system.
DSC ON or OFF	Stability Control	Amber	Displayed when the stability control system is switched ON or OFF. The warning light will FLASH when the stability control system is switched ON and operating. When the system is switched OFF, the warning light in the instrument cluster will be illuminated until the system is switched back ON.
CHECK FUEL FILLER CAP	None	Amber	Check that the fuel filler cap is correctly closed, see page 152
FUEL PUMP SYSTEM FAULT	None	Amber	Displayed when a fault is detected in the fuel system. The total fuel capacity may not be able to be used. Report the fault to a Jaguar Dealer at the earliest opportunity.

# Message Centre


Message	Warning Light	Priority Indicator	Meaning
CATS SYSTEM FAULT (Computer Activated Technology System)	None	Amber	Displayed when a fault is detected in the adaptive damping system (only those vehicles fitted with adaptive damping suspension). Report the fault to a Jaguar Dealer at the earliest opportunity.
WASHER FLUID LOW	None	Amber	Replenish the washer fluid at the earliest opportunity.
<b>Note:</b> In most countries it is illegal to use a vehicle with a defective exterior light bulb. Bulb replacement information is shown on page 174.			
LEFT or RIGHT BRAKE LAMP FAILED	None	Amber	Check for failed brake lights and replace.
LEFT or RIGHT TAIL LAMP FAILED	None	Amber	Check for any failed tail lights and replace.
LFT or RT FRONT TURN LAMP FAILED	None	Amber	Check for any failed front direction indicator lights and replace.
LEFT or RT REAR TURN LAMP FAILED	None	Amber	Check for any failed rear direction indicator lights and replace.
FAILED LEFT or RIGHT SIDE REPEATER	None	Amber	Check for failed side direction indicator repeater lights and replace.
APPLY FOOT AND PARKBRAKE	None	Amber	If the battery has been disconnected then the footbrake and parkbrake must be applied to reset the system.
PARKBRAKE FAULT	None	Amber	Displayed when there is a fault in the parkbrake system. If the light is flashing the parkbrake cannot be applied.
PARKBRAKE ON	None	None	Displayed if the parkbrake is applied whilst the vehicle is moving above 5 km/h (3 mph).
COLUMN ADJUST	None	Amber	The column adjust switch has been moved to this position.
COLUMN ADJUST AUTO	None	Amber	The column adjust switch has been moved to this position.

# Message Centre

Message	Warning Light	Priority Indicator	Meaning
PEDAL ADJUST	None	None	The column adjust switch has been moved to this position.
PEDAL ADJUST INHIBITED	None	None	The pedals cannot be adjusted when the vehicle is in cruise control operation.
AUTOLAMP DELAY OFF	None	None	Autolamp delay function has been turned OFF.
AUTOLAMP DELAY X:XX	None	None	Changing the time delay will display the newly set time that the headlights will remain ON after exiting the vehicle.
MEMORY 1 or MEMORY 2 RECALLED MEMORY 1 or MEMORY 2 SETTINGS SAVED	None	None	When a memory is set or recalled, a corresponding message will be displayed.
CRUISE CONTROL ON	None	None	Displayed when cruise control system is operating.
CRUISE OVERRIDE	None	None	Driver is pressing the accelerator pedal overriding cruise control function. Message will disappear when accelerator pedal is released and cruise control speed is resumed.
CRUISE CANCELLED	None	None	Driver has cancelled cruise control or is braking.
CRUISE NOT AVAILABLE	None	None	Cruise control or adaptive cruise malfunction.
The following messages only apply to vehicles fitted with adaptive cruise control.			
DRIVER INTERVENE	None	Red	Action by the driver to apply the brakes is required.
ACC SENSOR BLOCKED	None	Amber	Clean the front of the vehicle in the area of the sensor unit (the sensor is mounted behind the left-hand cover in the lower cooling air inlet).
SETSPEED XXX MPH	None	None	Speed set for adaptive cruise control.



# Message Centre

Message	Warning Light	Priority Indicator	Meaning
<b>GAP</b> ← — →	None	None	Set the distance (time gap).
FORWARD ALERT OFF	None	None	Forward alert feature has been switched OFF.   <b>WARNING:</b> <b>A warning will not be given for objects detected in the vehicle path of travel.</b>
FORWARD ALERT ← — →	None	None	Forward alert feature has been switched ON or the setting changed. A warning will be given for objects detected in the vehicle path of travel. A longer gap indicates that the system will warn when detected objects are further away than the previous setting.

# Trip Computer

---

## COMPUTER DISPLAY

The computer memory stores data for a journey or series of journeys until it is reset to zero.

The displayed information is for guidance only, as it can be affected by traffic, road and weather conditions.

Two independent memories are available (A and B) to allow two separate journeys to be recorded concurrently, for example, work usage and evening/weekend usage.

Trip distance, average fuel economy and average speed will be prefixed A or B depending on the current memory selected.

Press the **TRIP** button on the end of the left column stalk switch repeatedly to display the data in the following order:

- Trip distance.
- Distance to empty.
- Average fuel consumption.
- Current fuel consumption.
- Average speed.

## Odometer

The odometer shows the total vehicle distance travelled since the vehicle was new.

When the ignition is switched ON (position II) the display shows the odometer and trip distance readings.

The odometer reading is displayed in either miles or kilometres, depending on the units selected with the trip computer.

## Trip distance (A/B)

Distance travelled since the last memory reset. The maximum trip reading is 16 090 kilometres (9 999.9 miles). The computer will automatically reset to zero if this distance is exceeded.

## Distance to empty

Predicted distance, miles or kilometres, that the vehicle should travel on the remaining fuel, assuming average fuel economy and fuel consumption stay constant.

## Average fuel consumption (A/B)

The average fuel consumption, miles per gallon or litres per 100 kilometres, based on the accumulated distance travelled and the accumulated fuel used.

## Current fuel consumption

This function shows the instantaneous or at the moment fuel consumption, which is continuously updated.

## Average speed (A/B)

The average speed since the last press of the reset button.

# Trip Computer

## TRIP COMPUTER SWITCHPACK



JOL3245

### ML/km

Pressing the **ML/km** switch alternately displays data in metric or imperial units.

### A/B

Selects either A or B trip memory. Select the required data using the column stalk **TRIP** button and then pressing **A/B** will show the A or B information for that data.

### RESET

- One short press clears (hides) the displayed message. Continue to give brief presses to clear one message after another until all messages are cleared. If a further press is made, all hidden messages are displayed again.
- Press and hold for three seconds to reset or clear the selected trip, A or B, to zero.

**Note:** *If warning messages are hidden, the warning/fault still exists and requires investigation.*

Warning and Information messages have priority over trip data and, if active, will be displayed when the ignition is at position II.

### Display language

To change the display language, switch the ignition ON while pressing the **ML/km** switch. The trip computer will display the current language.

Press the **ML/km** switch repeatedly to cycle through the available languages. Once the correct language is selected, press the **A/B** switch. The new language will be selected after a delay of three seconds.

**Note:** *If you wish to exit the language selection function without changing the display language, you can either press the **RESET** switch, wait for ten seconds or switch the Ignition OFF.*

# Trip Computer

## SETTING THE TRIP COMPUTER



At the start of the journey (or series of journeys) to be recorded, reset the computer memory to zero as follows:

1. Press the **TRIP** button on the end of the left column stalk switch to select a trip function. The computer will display either TRIP A: or TRIP B: data.
2. Press the **A/B** switch to select the trip (A or B) to be reset.
3. Press the **RESET** switch and hold for 3 seconds.

The display will read:

**RESETTING TRIP A (or B).**

Then it will reset and display:

**A: 0 (or B: 0)** or the new value.

**Note:** All trip functions, for A or B depending on which was selected, will be reset.

## CLEARING MESSAGES

Messages can be hidden by pressing **RESET** on the trip computer switchpack. One press will hide one message. Once all messages have been hidden, the display will show trip data.

If **RESET** is pressed again, all active messages will be re-displayed. Repeatedly pressing the **RESET** button will cycle through the trip and message modes.

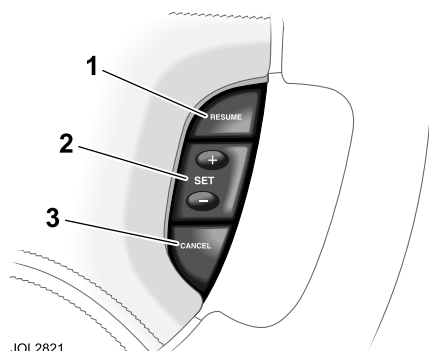
If a fault occurs when in trip computer, the relevant message will be displayed immediately.

If a trip computer function is selected by pressing the **TRIP** button while messages are displayed, the trip data will be displayed for ten seconds then the message will reappear.

Hidden messages reappear after an ignition OFF/ON cycle, if the fault remains.

# Cruise (Speed) Control

## STEERING WHEEL SWITCHES



The cruise (speed) control system, when fitted, can be used by the driver to maintain a selected vehicle speed above 25 km/h (16 mph) without the driver having to use the accelerator.

Switches on the steering wheel allow the driver manual control of the system. Brake and clutch operations also influence the cruise control system.

**RESUME (1)** to resume the set speed retained in memory.

**SET (2)** to set the speed or increase/decrease the set speed when the speed has been set.

**CANCEL (3)** cancels cruise control but retains the set speed in memory.

## Setting vehicle speed



### WARNING:

Only use cruise control when conditions are favourable, for example, straight, dry, open roads with light traffic.

When you are travelling at the speed you require, which must be above 25 km/h (16 mph), press the **SET** button.

Cruise control will engage and maintain the set speed and you can remove your foot from the accelerator pedal.

**Note:** Cruise control will automatically disengage when the brake pedal is pressed or when the vehicle speed falls below 25 km/h (16 mph). If the vehicle has a manual gearbox, pressing the clutch pedal will also disengage the cruise control.

## Changing the set speed

There are three ways to change the set speed:

- Accelerate or decelerate to the desired speed then press the **SET (+)** button.
- Increase or decrease the speed by pressing and holding either **SET (+)** or **(-)** until the desired speed is obtained, then release the switch.
- Increase or decrease the speed in steps of 2 km/h (1mph) by briefly pressing either the **SET (+)** or **(-)** until the desired speed is obtained.

# Cruise (Speed) Control

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## Resuming the set speed

If the vehicle is accelerated above the set speed, then the set speed will be resumed when the accelerator pedal is released.

If **CANCEL** is pressed, or the brake or clutch pedal is pressed, the cruise control will disengage but the set speed memory will be retained. Press **RESUME** and the vehicle will return to the set speed.

**Note:** *Cruise control will not resume at speeds below 25 km/h (16 mph).*

**RESUME** will not operate if the ignition has been turned OFF.

### Caution:

- **RESUME should only be used if the driver is aware of the set speed and intends to return to it.**
- **It is not recommended to resume set speed when a low gear is selected as excessive engine speeds will occur.**

Cruise control will switch OFF and clear the memory when:

- The ignition is switched to position 0.
- A fault occurs. The cruise control system will switch OFF and cannot be used until the fault is cleared.

## Cruise control automatic switch off

Cruise control will switch off but the set speed will remain in the memory when:

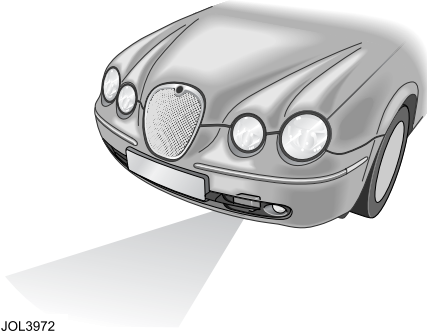
- The **CANCEL** button is pressed.
- The brake pedal is pressed.
- Speed falls below 25 km/h (16 mph).
- Neutral, Park or Reverse gear positions are selected.
- Dynamic stability control is operating.
- The difference between the actual and set speed is too great.
- When the vehicle reaches a maximum speed of 192 km/h (120 mph).
- The accelerator pedal is used to accelerate beyond the set speed for too long a period.

# Adaptive Cruise Control

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## ADAPTIVE CRUISE CONTROL (ACC)

(Where fitted)



JOL3972

The adaptive cruise control system is designed to aid the driver to 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.



### **WARNING:**

**Adaptive cruise control is not a collision warning or avoidance system. Additionally, adaptive cruise control will not detect:**

- Stationary or slow moving vehicles below 10 km/h (6 mph).
- Pedestrians or objects in the roadway.
- Oncoming vehicles in the same lane.

The adaptive cruise control system is based on the use of a radar sensor which projects a beam directly forward of the vehicle so as to detect objects ahead.

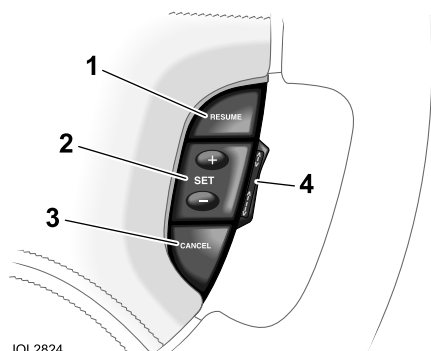
The radar sensor is mounted behind a cover on the left-hand side of the lower cooling aperture, to provide a clear 'view' forward for the radar beam.

The radar is approved under FCC rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- Only use adaptive cruise control when conditions are favourable, that is, straight, dry, open roads with light traffic.
- Do not use in poor visibility, specifically fog, heavy rain, spray or snow.
- Do not use on icy or slippery roads.
- It is the drivers 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, which may prevent the sensor from operating.
- Do not use ACC when entering or leaving a motorway.

# Adaptive Cruise Control

## STEERING WHEEL SWITCHES



JOL2824

The system is operated by switches mounted on the steering wheel. The driver can also intervene at any time by use of the brake or accelerator pedals.

The steering wheel switches operate as follows:

**RESUME (1):** Resume set speed.

**SET + or SET - (2):** Set the speed (+) or increase (+) or decrease (-) the set speed.

**CANCEL (3):** Cancels without erasing memorised speed.

**← — → (4):** Gap increase or decrease.

## Setting Vehicle Speed

Accelerate as normal until the required speed is reached.

Press the **SET +** button (2) briefly and the vehicle speed will then be stored in the memory and the system engaged. The set speed will be displayed on the message centre:

**SETSPEED**  
**80 KM/H (50 MPH)**

## Entering the follow mode



### WARNING:

**When in follow mode the vehicle will not decelerate automatically to a stop, nor will the vehicle always decelerate quickly enough to avoid a collision without driver intervention.**

Once a set speed has been selected, the driver can release the accelerator and the set road speed will be maintained.

When a vehicle ahead enters the same lane or a slower vehicle is ahead in the same lane, the vehicle speed will be adjusted automatically until the gap to the vehicle ahead corresponds to the preset gap. The vehicle is now in 'follow mode'.



The warning light in the instrument cluster will be illuminated.

**GAP**  
**← — →** The message centre will display the gap set.

The vehicle will then maintain the constant time gap to the vehicle ahead until:

- The vehicle ahead accelerates to a speed above the set speed.
- The vehicle ahead moves out of lane or out of view.
- The vehicle ahead slows so that 'low speed automatic switch off' occurs.
- A new gap distance is set.

If necessary, the vehicle brakes will be automatically applied to slow the vehicle to maintain the gap to the vehicle in front.



# Adaptive Cruise Control

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The maximum braking which is applied by the ACC system is limited and can be overridden by the driver applying the brakes, if required.

**Note:** *Driver braking will cancel adaptive cruise control.*

If the ACC system predicts that its maximum braking level will not be sufficient, then an audible warning will sound while the ACC continues to brake.

**DRIVER INTERVENE** will be displayed on the message centre. The driver should take IMMEDIATE action.

When in follow mode the vehicle will automatically return to the set speed when the road ahead is clear, for instance when:

- The vehicle in front accelerates or changes lane.
- The driver changes lane to either side or enters an exit lane.

The driver should intervene if appropriate.

## Low speed automatic switch off

If the speed of the vehicle decreases below 30 km/h (18 mph), the ACC system will be automatically switched OFF and the instrument warning light will go out.

If the brakes were being applied by the ACC system, they will be slowly released.

This will be accompanied by an audible warning, and **DRIVER INTERVENE** will be displayed on the message centre. The driver must take control.

## Overriding the set speed/follow mode



### WARNING:

**Whenever the driver is overriding the ACC by depressing the accelerator pedal, the ACC will not automatically apply the brakes to maintain separation from any vehicle ahead.**

The set speed and gap can be overridden by pressing the accelerator pedal when cruising at constant speed or in follow mode. If the vehicle is in follow mode, the instrument warning light will go out when the ACC is overridden by the driver using the accelerator and **CRUISE OVERRIDE** will be displayed on the message centre. When the accelerator is released the ACC function will operate again and vehicle speed will decrease to the set speed, or a lower speed if follow mode is active.

## Changing the gap

The gap from the vehicle ahead can be decreased or increased by pressing the rocker switch (4), see page 116, on the steering wheel. Four gaps are available and the selected gap setting will be displayed on the message centre when either button is pressed. After the ignition is switched ON the default gap will be automatically selected ready for ACC operation.

**Note:** *It is the driver's responsibility to select a gap appropriate to the driving conditions.*

# Adaptive Cruise Control

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## Changing the set speed

There are three ways to change the set speed:

- Accelerate or brake to the required speed and press the **SET +** button (2).
- Increase or decrease the speed by pressing and holding either the **SET +** or **-** button until the required set speed is shown on the message centre. The vehicle speed will gradually change to the selected speed.
- Increase or decrease the speed in steps of 2 km/h (1 mph) by briefly pressing the **SET +** or **-** button.

ACC operates between approximately 20 mph and 110 mph (34 km/h and 180 km/h) dependent on the country specification.

Set speeds outside this range will not be captured.

The ACC may apply the brakes to slow down the vehicle to the new set speed. The new set speed will be displayed on the message centre until ACC is cancelled.

## ACC automatic switch off

Adaptive cruise control will disengage, but not clear the memory when:

- The **CANCEL** button (3), see page 116, is pressed.
- The brake pedal is pressed.
- The vehicle speed falls below 30 km/h (18 mph).
- Neutral, Park or Reverse gear positions are selected.
- Dynamic stability control activates.

Adaptive cruise control will disengage, and clear the memory when:

- The ignition switch is set to position **0**.
- Maximum vehicle speed is reached.
- A fault occurs in the ACC system.

## Resuming the set speed/follow mode

By pressing the resume button (1), see page 116, after ACC has been cancelled, for example, after braking, the ACC will become active again provided that the set speed memory has not been erased. The set speed will be displayed for four seconds and the original set speed will be resumed, unless a vehicle ahead causes the follow mode to become active.

**Caution: RESUME should only be used if the driver is aware of the set speed and intends to return to it.**

# Adaptive Cruise Control

## FORWARD ALERT



JOL3203

Limited detection and warning of objects ahead is provided during ACC operation by the ACC **DRIVER INTERVENE** warning. The forward alert feature additionally provides warnings whilst ACC is not engaged; if an object is detected close ahead, then the warning tone and message will be issued. The brakes will not be applied.

This additional feature may be switched on or off using the forward alert switch in the lower outboard knee bolster switchpack.

When the indicator light in the switch is on, forward alert is active.

The sensitivity of the warning may be changed:

- Press the gap decrease button when ACC is disengaged to display and then decrease the sensitivity of the alert.
- Press the gap increase button to display and then increase the sensitivity of the alert.

Both of these alerts are accompanied by the **FWD ALERT** ← — → message on the message centre.

## DRIVING WITH ACC ACTIVE

The system acts by regulating the speed of the vehicle using engine control and the brakes. Gear changes may occur in response to deceleration or acceleration whilst in ACC.

ACC is not a collision avoidance system, however, during some situations the system may provide the driver with an indication that intervention is required.

An audible alarm will sound, accompanied by the message **DRIVER INTERVENE** if the ACC detects:

- A failure has occurred whilst the system is active.
- That using maximum ACC braking only is not sufficient.
- That the vehicle speed has decreased below the minimum for ACC operation.

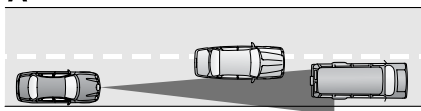
### **Note:**

- *Adaptive cruise control operates when the gear selector lever is in position 2, 3, 4, 5 or D.*
- *When engaged, the accelerator pedal rests in the raised position. Fully release the pedal to allow normal ACC operation.*
- *When braking is applied by the ACC, the vehicle brake lights will be switched on although the brake pedal will not move.*

# Adaptive Cruise Control

## DETECTION ISSUES

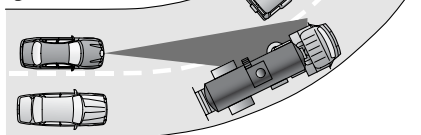
A



B



C



JOL2827

Detection issues can occur:

- When driving on a different line to the vehicle in front (A).
- With vehicles which edge into your lane which can only be detected once they have moved fully into your lane (B).
- There may be issues with the detection of vehicles in front when going into and coming out of a bend (C).

In these cases ACC may brake late or unexpectedly. The driver should stay alert and intervene if necessary.

## ACC FAILURE

If a fault occurs during operation of the system in cruise or follow modes, the ACC system will switch OFF and cannot be used until the fault is cleared. The message **DRIVER INTERVENE** appears briefly, and is then replaced by the message **CRUISE NOT AVAILABLE**.

If failure of the ACC or any related system occurs at any other time the message **CRUISE NOT AVAILABLE** will be displayed. It will not be possible to activate the ACC system in any mode.

Accumulations of dirt, snow or ice on the sensor or cover may inhibit ACC operation. Fitting of a vehicle front protector or metallised badges may also affect ACC operation.

If this occurs in ACC cruise/follow mode, the audible alarm sounds and the message **DRIVER INTERVENE** appears briefly. The message **ACC SENSOR BLOCKED** is then displayed. The system is no longer active.

Clearing the obstruction allows the system to return to normal operation. If the obstruction is present when ACC is inactive, e.g. on initial starting or with the ACC system switched off, the message **ACC SENSOR BLOCKED** will be displayed.

Tires other than those recommended may have different sizes. This can affect the correct operation of the ACC.

# Exterior Lighting

## MASTER LIGHTING SWITCH

The exterior lights are controlled by the left-hand column stalk switch.

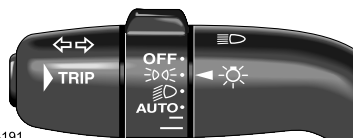
The rotary collar on the stalk has three positions for turning the exterior lights on or off and positions for autolamps/exit delay. These are:

### OFF



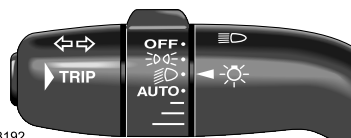
All exterior lights OFF (except vehicles provided with daylight running lights).

### Sidelights



Switches on front sidelights, tail, number plate and any other marker lights required by local legislation. When the external lights are ON the instruments will also be lit.

## Headlights



With the ignition in position II, this position switches on dipped headlights in addition to the lights switched on in sidelight position.

The left-hand column stalk switch has two positions for controlling the main beam.

Pulling the switch towards the steering wheel and releasing causes the main beam to flash on and off. The main beam can be flashed at any time when the switch is pulled and will remain ON for as long as the switch is held.

The second position is to switch main beam headlights ON. With the ignition in position II, first select dipped beam lights, and then push the column light switch away from the steering wheel.

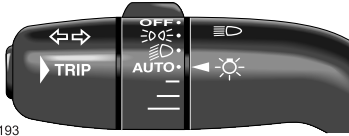
The blue warning light on the instrument cluster and main beam headlights will come ON.

To turn main beam OFF, pull the column switch towards the steering wheel to return to dipped beam.

**Note:** If dipped beam is switched OFF, with main beam still activated both dipped and main beam will be extinguished. Both dipped and main beam will illuminate if dipped is turned on again.

# Exterior Lighting

## Autolamps



JOL3193

A light sensor control, mounted on the front of the fascia, monitors exterior light levels and automatically switches the sidelights and dipped headlights ON or OFF.

The ignition switch must be in position **II** and the rotary collar set to **AUTO** for full automatic light operation.

When light fades towards dusk, the sidelights and headlights will switch ON automatically.

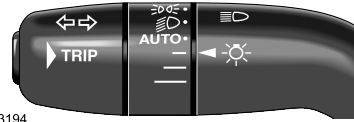
At dawn, as light increases, the sidelights and headlights switch OFF automatically.

Do not cover the sensor and keep the windscreen clean. Obstructing the light in this area of the sensor may lead to unwanted operation of the sidelights and headlights.

### Windscreen wiper detection

(This function only operates when autolamps (**AUTO**) is selected.) The sidelights and headlights will switch ON automatically if the windscreen wipers are switched ON for 20 seconds or more. Once the windscreen wipers are switched OFF, the sidelights and headlights will automatically switch OFF two minutes later.

## Autolamps with Exit Delay



JOL3194

Three settings on the rotary collar set the time that the headlights will remain on after the key is removed from the ignition switch:

- 10 seconds.
- 30 seconds.
- 2 minutes.

**Note:** If the light switch rotary collar is in the **AUTO** position there will be no exit delay and the headlights will turn off when the ignition is turned off.

### Daylight running lights (Canada only)

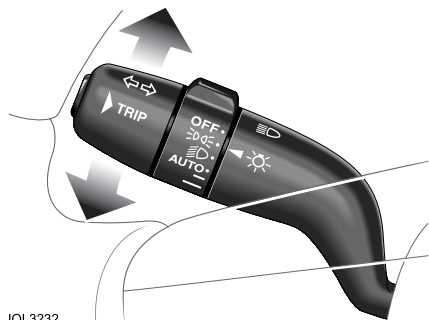
In certain countries it is a legal requirement for the lights to be on during the hours of daylight.

With the rotary collar in the OFF position, dipped headlights, sidelights, tail, number plate lights and, where fitted, side marker lights will switch on automatically with the following conditions:

- The ignition is turned to position **II**.
- The vehicle gear selector out of park (automatic transmission only).
- The parkbrake is not applied (released).

# Exterior Lighting

## DIRECTION INDICATORS



JOL3232

The direction indicators operate when the ignition is in position II.

The left column stalk has two positions for indicating left or right turn.

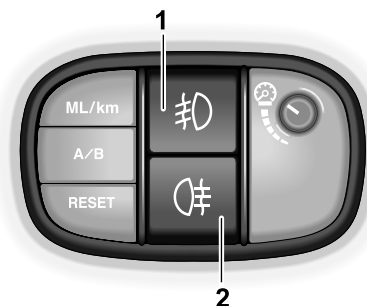
The first position, moving the stalk up or down, causes the indicator to flash while it is held in this position. On releasing the stalk the indicators stop flashing.

The second position is a full movement of the stalk up or down to indicate for a right or left turn, which can then be released. The indicators will remain flashing and will cancel when the turn is completed.

An audible ticking and a flashing green arrow on the instrument cluster indicates that the selected direction indicator is ON.

**Note:** Should a direction indicator bulb fail, the corresponding side green warning light will flash at twice the normal rate. The audible ticking will sound at twice the normal rate.

## FOG LIGHTS



JOL3246

### Front fog lights (1)

The fog lights can only be switched on when the ignition switch is in position II.

With the left column stalk switch in sidelight or dip position, press the switch (1) to turn on the front fog lights. Pushing the switch again will turn off the front fog lights.

**Note:** The front fog lights should only be used when visibility is severely restricted by fog.

### Rear fog lights (2)

The rear fog lights can only be switched on if the dipped headlights are on or if the side lights and front fog lights are switched on.

Press the switch (2) to turn on the rear fog lights. Pushing the switch again will turn off the rear fog lights.

# Exterior Lighting

## AUTO HEADLIGHT LEVELLING

### (Where fitted)

Automatic levelling of the High Intensity Discharge (HID) headlights is a feature which avoids dazzling oncoming drivers. A control unit adjusts the height of the lights during acceleration, deceleration and terrain variation.

## DIMMER SWITCH



JOL3247

The instruments, switch packs, in-car entertainment panel and the climate control panel will be lit when the exterior lights are switched on.

Push and release the knob to extend it for ease of operation.

Rotate the knob to adjust the illumination to the required level.

Push the knob again to place it in the stowed position.

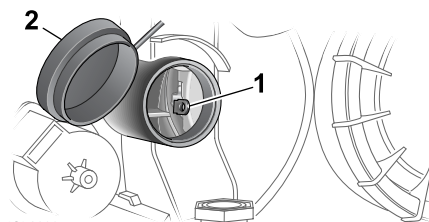
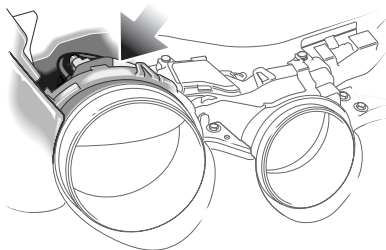
## TOURING HEADLIGHT ADJUSTMENT

### Halogen headlight units

When touring in countries where driving is on the other side of the road to your country, vehicles with halogen headlight units require a converter kit which can be purchased from a Jaguar Dealer.

### High intensity discharge (HID) lights

When touring in countries where driving is on the other side of the road to your country, your vehicle High Intensity Discharge (HID) lights may dazzle oncoming drivers.



JOL2836

A lever (1), within each HID light unit, is used for dipped beam adjustment for touring. This lever flattens the dipped beam to avoid dazzling oncoming drivers.

Open the hood and remove the top cover (refer to page 174) and the small round rubber cover (2) adjacent to the main headlight rear cover.

Move the left headlight lever (1) up and the right headlight lever down to flatten the beams for driving on the left side of the road.

Refit the round cover and top cover.

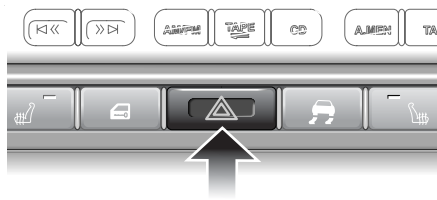
Remember to place the levers back in their original position when you have returned to your country of origin.



# Exterior Lighting

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## HAZARD WARNING



JOL2838



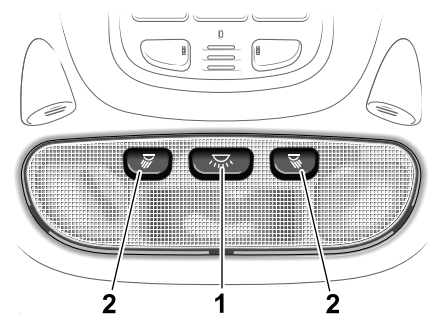
The switch is in the centre console below the radio and operates with the ignition ON or OFF. Use only in an emergency to warn traffic of a vehicle breakdown or approaching danger.

**To operate:** Press the switch; the direction indicators, the instrument cluster green indicators and audible warning will operate in unison. The switch symbol will light up.

**To cancel:** Press the switch again.

# Interior Lighting

## FRONT LIGHTING



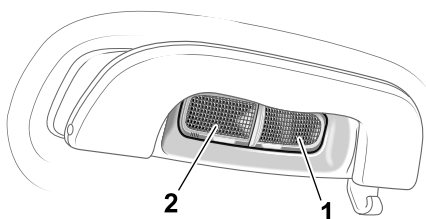
Interior lighting comprises, front and rear overhead courtesy lights, two front reading/map lights and front puddle lights. Vanity mirrors, glove compartment, footwell and luggage compartment lights are also provided.

Press the centre switch (1) in the front roof console to turn the front and rear courtesy lights, puddle lights and footwell lights on. A second press turns the lights off. The lights also operate to illuminate the vehicle interior when a door is opened.

### Reading/map lighting

The reading/map lights are turned on and off by individual switches, (2) on the front overhead console.

## REAR LIGHTING



The rear reading/map lights (1) can be switched on or off by pressing the lens cover.

The rear courtesy lights (2) are turned on or off by the centre switch in the front roof console or when a rear door is opened.

## ILLUMINATED ENTRY/EXIT

When the vehicle is unlocked the courtesy lights will gradually illuminate and remain on for 20 seconds.

If the courtesy lights are on they will fade off 20 seconds after the last door is closed, or when the vehicle is locked.

## BATTERY SAVER

If the ignition switch is turned to position 0 and the interior lights are switched on using the centre switch in the overhead console or by opening a door, the lights will automatically turn OFF after ten minutes.

If the glove compartment lights, luggage compartment lights, front/rear reading/map lights or vanity lights are switched on, and the ignition switch is turned to position 0 or the key is removed, the lights will automatically turn OFF after 40 minutes.

# Parking Assist

## PARK ASSIST SYSTEM

(Where fitted)



### WARNING:

It remains the driver's responsibility to be vigilant when reversing. Small children or animals may not be detected by the system.

**Caution:** It remains the driver's responsibility to detect obstacles and estimate the car's distance from them. Some overhanging objects, barriers, thin obstructions or painted surfaces which could possibly cause damage to the vehicle may not be detected by the system. Always be vigilant when reversing.

The Park Assist System is always automatically switched on when the ignition is turned on.

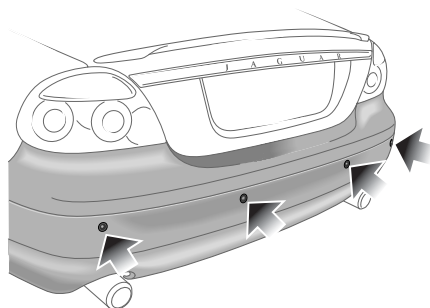
### Caution:

- If, for example, you are driving within a confined space such as a home garage, the outer sensors will detect the side walls and after three seconds will switch the tone off. However, as movement continues, the inner sensors will eventually detect the rear wall and will start the tone again.
- The rear sensors are not active when the gear selector is in neutral, therefore care should be taken if moving the vehicle as the tone will not sound.
- Do not clean the sensors with abrasive or sharp objects.

### Note:

- For reliable operation, the sensors in the front and rear bumpers should be kept free from ice, frost and grime.
- When using a high pressure spray the sensors should only be sprayed briefly and not from a distance of less than 20 cm (8 inches). Do not clean the sensors with abrasive materials.
- The front parking assist may sound spurious tones if it detects a frequency tone using the same band as the sensors.

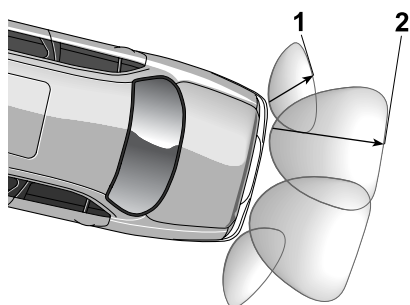
## Rear parking assist



JOL2841

When reverse gear is selected and the ignition is on, rear parking assist automatically provides an audible proximity warning (to the nearest detected object) when reversing the vehicle, if obstacles are detected within operating range of the rear of the vehicle, as shown in the illustration below.

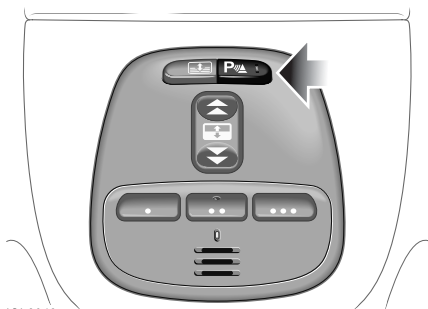
# Parking Assist



JOL2842

- (1) is approximately 60cm (24 inches).  
(2) is approximately 160 cm (63 inches).

## Front and rear parking assist

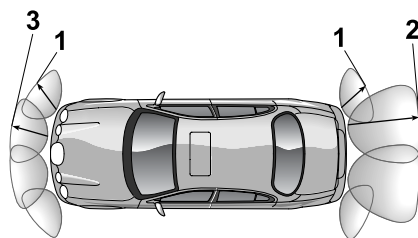


JOL2843

When both front and rear parking assist are fitted, a switch is located in the overhead console.

Pressing the switch turns front and rear parking assist on or off together. The integral switch warning light will come on when the system is turned off or if a fault is detected in the system. A switch is not provided when only rear parking assist is fitted.

**Note:** The front parking assist will also operate when reverse gear is selected.



JOL2844

Front parking assist provides an audible proximity warning when driving forwards.

The front sensors only operate within a fixed speed range in forward gears and are not effective when moving forwards above 15 km/h (9 mph) or when slowing down until below 7 km/h (4½ mph).

Objects are detected within the operating range shown in the illustration (between approximately 60 cm (24 inches) (1), 160 cm (63 inches) (2) and 80 cm (31 inches) (3).

If an obstacle is detected at the front or rear of the vehicle, a beep tone will be heard from the front or rear speaker respectively.

The beep tone increases in rate as the vehicle approaches the obstacle.

The front or rear parking assist beep will become continuous when the obstacle is detected at or within 30 cm (12 inches) (1) from the rear or approximate 25 cm (10 inches) (1) from the front of the vehicle.

If the system has a fault when engaging reverse gear or turning on the ignition, then a single, three second tone will be heard (only once per ignition cycle) and, if fitted, the switch light will come on. The system is automatically disabled when a fault is detected.

# Parking Assist

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## **Towing**

Where approved Jaguar tow-bar electrics are fitted, the reverse parking assist is automatically switched off if a trailer is attached to the vehicle. The front parking assist will remain active.

## **Rear fitted accessories**

Particular care must be taken when reversing with rear fitted accessories e.g. tow-bar or bicycle carrier, as the rear park assist will only indicate the distance from the bumper to the obstacle.

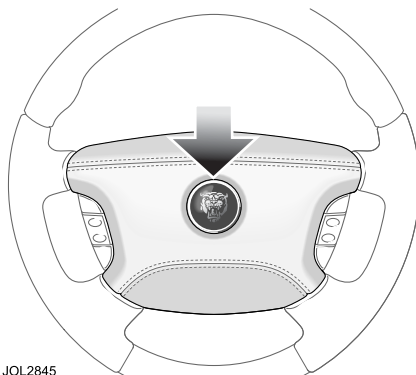
# Horn

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## HORN OPERATION

The dual tone horn is operated by pressing the centre pad on the steering wheel.

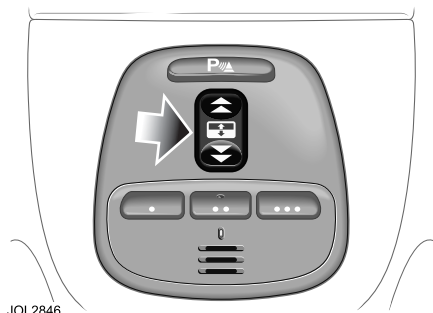
The horn also operates as a warning horn if the vehicle alarm system is activated.



JOL2845

# Sunroof

## SUNROOF OPERATION



### WARNING:

- Before opening or closing the sunroof check that all occupants are clear.
- When leaving the vehicle take the ignition key to prevent misuse of the sunroof switch by remaining occupants, especially children.

The sunroof switch is located in the overhead console. The ignition switch must be in position I or II for the sunroof to operate.

### To open the sunroof

- Push the rear of the switch gently upwards to the first position and hold until the sunroof is fully open. The sunroof can be stopped at any open position by releasing the switch.
- To fully open the sunroof with one-touch operation, briefly push the rear of the switch fully upwards to the second position and then release. To stop the sunroof opening, briefly press the switch upwards, forwards or rearwards.

### To close the sunroof

- Push the front of the switch upwards to the first position and hold until the sunroof is closed. It can be stopped at any position by releasing the switch.
- To close the sunroof with one-touch operation, briefly push the front of the switch upwards to the second position and then release. To stop the sunroof closing, press the switch upwards, forwards or rearwards.

### To tilt the sunroof open

- Push the front of the switch upwards and hold until the required position is reached, or until the tilt is fully open, and then release the switch.

### To tilt open with one touch operation

- To tilt open with one-touch operation, briefly push the switch upwards to the second position.

### To close the tilted sunroof

- Push and hold the rear of the switch until the sunroof is closed. Briefly push the rear of the switch upwards to the second position to tilt closed with one touch operation.

## Sunshade operation

The sunshade can be manually opened and closed using the pull cup.

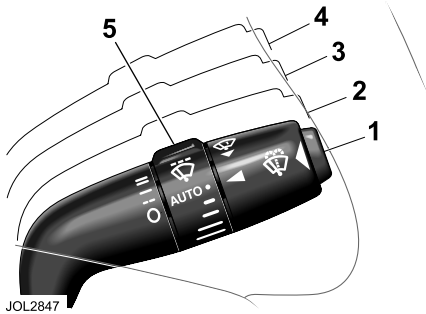
When the sunroof is fully open the sunshade is also fully open and, because the pull cup is hidden, it cannot be manually closed from this position.

**Note:** The sunroof will need to be fully closed to gain access to the pull-cup.

# Wipers and Washers

## WINDSCREEN WIPERS

The windscreen wipers and screen wash functions are controlled by the right-hand column stalk switch and only operate with the ignition in position II.



The stalk functions are as follows:

1. Windscreen wipers off and parked.
2. Intermittent wipe.
3. Slow wiper operation
4. High speed wiper operation.
5. Rotary collar.

### Intermittent wipe

When intermittent wipe is selected the delay between wipes can be varied. Turn the collar (5) to vary the delay from 3 seconds to 18 seconds.

### Flick wipe

Pull the column switch towards the steering column for a single wipe. Holding the column switch in this position will operate the wiper continuously at slow speed until released.

### Rain sensitive wiper control

When **AUTO** (turn the rotary collar (5) to **AUTO**) and intermittent wipe (2) are selected, the wipers will automatically operate when rain falls on to the windscreen, or when moisture is present.

For the wipers to operate, the ignition switch must be in position II.

**Note:** When starting a journey with a wet windscreen, the rain sensing wipers will not operate immediately the ignition is switched on. Therefore, a flick wipe should be used to clear the windscreen of any moisture.

### Caution:

- Ensure that **AUTO** is not selected when entering a car wash or damage to the wiper blades/arms can occur.
- During frosty conditions ensure that **AUTO** is not selected before operating the ignition switch as damage to the wiper blades can occur when the windscreen is frozen.

### Wipers ON, Lights ON

**Note:** Some States require lights on when the wipers are in use.

If the windscreen wipers are switched on in auto, slow or fast modes for more than 20 seconds, then the exterior lights will be switched on if selected to autolamps mode. The lights will switch off 2 minutes after the wipers are switched off or will go off straight away if autolamps is de-selected or the ignition is turned off.



# Wipers and Washers

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## WINDSCREEN WASH/WIPE



JOL2848

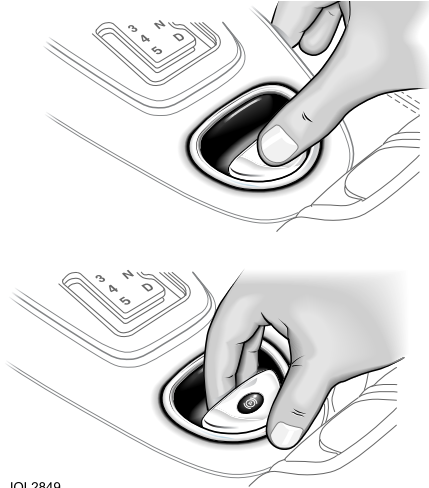
Push the button on the end of the switch to obtain the wash/wipe programme. If the wipers are selected off or intermittent, the washers will operate at slow speed during the washing action when the button is pressed.

When the button is released, the wipers will complete three further wipes.

If rain sensitive wipers are fitted and selected then the wipers will operate until no moisture is detected.

# Parkbrake

## PARKBRAKE OPERATION



JOL2849

The switch which operates the parkbrake is mounted on the centre console to the rear of the gear selector.

**To engage the parkbrake:** Pull the parkbrake switch upwards and release. The switch will return to the neutral position. The parkbrake warning/brake fluid low warning light on the instrument cluster will illuminate.

**To disengage the parkbrake:** With the ignition switch in position **II** or with the engine running, apply the foot brake (automatic models only) and press the parkbrake switch down. The parkbrake will release without the foot brake applied where manual transmission is fitted.

The Drive Away Release feature allows the parkbrake to release automatically as the vehicle is driven away.

If the parkbrake is applied while the vehicle is stationary and **D** or **R** is selected, applying the throttle will automatically release the parkbrake.

The parkbrake is also automatically released when the gear selector is moved from **P** position.

Inadvertent operation of the parkbrake whilst the vehicle is in motion will cause the message **PARKBRAKE ON** to be displayed on the message centre, the warning light in the instrument cluster will be illuminated and a warning chime will sound.

If the parkbrake is applied whilst the vehicle is moving, releasing the switch will disengage the parkbrake. The parkbrake cannot be applied whilst the vehicle is moving and the throttle pressed.

**Note:** *If the vehicle is in motion, the parkbrake should only be used as an emergency brake.*

The parkbrake is automatically applied when the key is removed from the ignition switch. If you wish to keep the parkbrake off, press and hold the parkbrake switch down and, at the same time, remove the key.

**Caution:** **Take care that the vehicle is safely parked to prevent it from rolling if you wish to leave the parkbrake off.**

The warning light in the instrument cluster will remain on for a short time if the parkbrake is applied when the ignition switch is turned to position **0** or if the ignition key is removed.

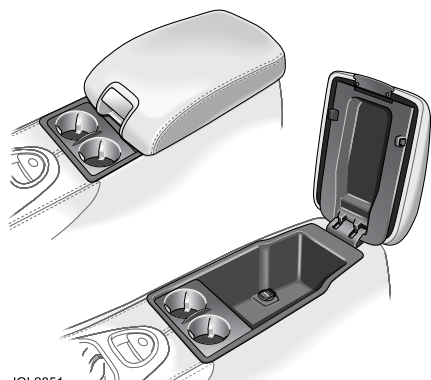
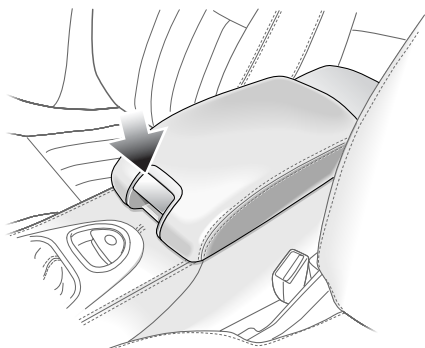
# Parkbrake

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If the battery has been discharged or disconnected a message **APPLY PARKBRAKE** will be displayed when the ignition is next switched on. Depress the footbrake and pull the parkbrake switch up to apply the parkbrake. This is required to reset the parkbrake system. The parkbrake will now function correctly.

# Interior Features

## CENTRE CONSOLE



JOL2851

The centre console carries the cupholders, cubby box and armrest.



### WARNING:

- Do not place hot drinks in the cupholders whilst the vehicle is moving, there is a risk of scalding.
- Use soft cups only.

The sliding armrest is hinged at the rear and has a release button located on the front of the armrest.

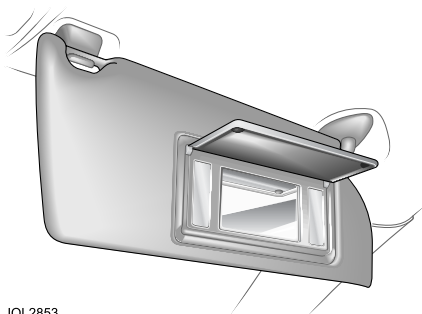
The chromed button is pulled upwards to raise the armrest and gain access to the cubby box. As the armrest is lifted it slides back under its own weight allowing full access to the cubby box.

To slide the armrest to expose the two cupholders, pull the button upwards and slide the armrest rearwards.

An electrical accessory socket, is located inside the cubby box. This 12 volt socket should only be used for the temporary connection of electrical items, such as a vacuum cleaner, cool box or to charge the telephone battery.

The cigar lighter is designed to be used just to heat the lighter element and not for providing a power source for accessories.

## SUN VISORS AND VANITY MIRRORS



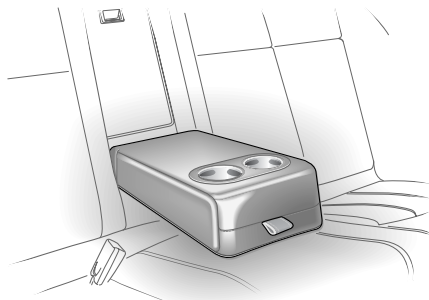
JOL2853

Adjustable sun visors can be swung downwards or unclipped and swung sideways to reduce sun glare.

The sun visors are fitted with illuminated vanity mirrors, behind a hinged flap. The light comes on when the flap is lifted.

# Interior Features

## REAR CENTRE ARMREST



JOL3914

Pull the loop on the rear centre armrest to lower. If not required, raise the armrest to its upright position and push firmly into place. Ensure that the armrest is raised when lowering the seat back to increase the luggage compartment area.

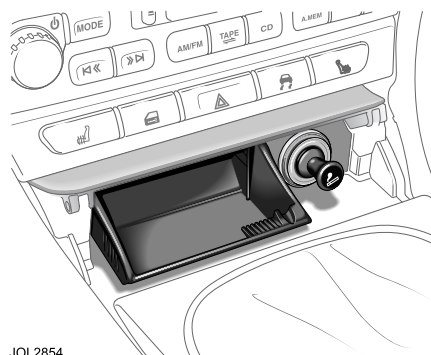
There are two cupholders located in the arm rest.



### WARNING:

- Do not place hot drinks in the cupholders whilst the vehicle is moving, there is a risk of scalding.
- Use only soft cups and cool liquids.

## CIGAR LIGHTER



JOL2854

To gain access to the cigar lighter and ashtray, press the lid at the bottom edge.

To operate the cigar lighter the ignition must be on, press the lighter in and wait until the element has heated, it will then pop-up.

**Note:** *Never hold the lighter knob down. Do not attempt to remove particles from the heating element as it is self-cleaning. The cigar lighter is designed to be used just to heat the lighter element and not for providing a power source for accessories.*

To empty the ashtray, lift it out vertically and remove. After emptying, push the ashtray into the opening until it snaps back into place.

The cigar lighter is replaced by a 12 volt accessory socket on certain models.

### Passenger door ashtrays (supplied with smokers pack)

To remove the passenger door ashtray bin lift it out vertically and withdraw.

# Interior Features

## GLOVE COMPARTMENT



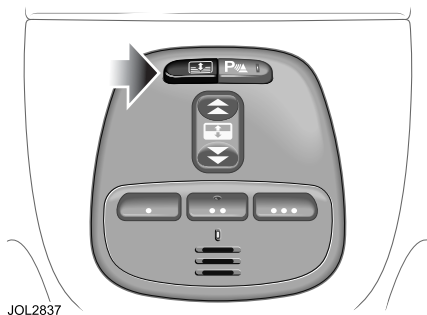
A glove compartment is located below the passenger's air bag.

To open the glove compartment, lift the handle and allow the lid to drop down. The compartment will be illuminated when open.

If the compartment is left open the light will extinguish approximately 40 minutes after the ignition has been set to position 0.

The glove compartment can be locked using an ignition key.

## REAR SUN BLIND



The electrically operated rear sun blind is fitted to the parcel shelf.

Push the switch to raise the sun blind.

To lower the sun blind, push the switch again.

# Engine Starting

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## BEFORE STARTING

Before starting the engine, new owners/drivers should familiarize themselves with the layout and operation of the controls and instruments.



### WARNING:

**Before attempting to start the engine, check parkbrake is ON and gear selector lever (automatic transmission) is in position P or N or (manual transmission) in Neutral.**

## Automatic Transmission

When the vehicle is stationary the automatic gear selector may be left in **D**, **2**, **3** or **4**, unless the vehicle is to be parked. When stopping for traffic lights, junctions etc., either select **P** or apply the parkbrake and select **N**.

## STARTING A GASOLINE ENGINE

The engine cannot be started until the automatic transmission gear selector is in **N** or **P**.

Insert the key into the ignition switch and turn clockwise to position **II** to switch on the ignition.

When the key is turned to position **III** the starter motor will turn the engine until:

- The key is released and automatically returns to position **II**.
- The ignition switch is turned to **0** or **I**.
- The gear selector is moved out of **P** or **N** (automatic transmission vehicles).
- The engine starts.

Do not use the starter continuously for longer than six seconds. Continued use of the starter will discharge the battery and may damage the starter mechanism. When the engine starts, release the key. Wait until the engine stops turning before re-using the starter.

The red charge warning light in the instrument cluster should go out when the engine is running.

### If the engine fails to start

If an ignition key is placed in the ignition switch and turned to position 'II' and the alarm security light is flashing, it is possible that the engine will not start. In any event, please contact a Jaguar Dealer to investigate the cause of the light flashing.

It is possible that the fuel system inertia switch may have tripped, see page 164 for the resetting procedure.

If the engine persistently fails to start and flooding is suspected, depress the accelerator pedal fully, hold it in this position and turn the key to position **III** for six seconds. Release the key, remove your foot from the accelerator pedal and then attempt to restart the engine.

**Note:** *The engine cannot start whilst the pedal is fully depressed, it must be released to enable the engine to start.*

If the engine still fails to start, switch the ignition OFF and contact a Jaguar Dealer.

# Engine Starting

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## Stopping the engine and locking the steering

Turn the key from position **II** to the lock position **I**. This turns off the ignition and stops the engine. The steering will be locked when the key is removed from the switch.

Leaving the key in position **I** or **II** will discharge the battery.

## Parking the vehicle

When leaving the vehicle, remember the following:

- Whenever the vehicle is being parked, apply the parkbrake and, with automatic transmission, move the gear selector to Park **P**.
- Do not leave children or pets in the vehicle unattended.
- Do not leave luggage or valuables on view. Always take your valuables with you or lock them in the luggage compartment.
- Remove the ignition key and spare keys, even when the vehicle is in your garage.
- When the vehicle is unoccupied, close all windows and lock all doors securely.
- Park the vehicle where it can be seen. At night, park in a well-lit area.
- When leaving the vehicle unattended, for maximum security ensure that the doors are double-locked (where fitted).
- Ensure that the keys and the key transmitters are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the hood are closed.



# Transmission

## AUTOMATIC TRANSMISSION

The J-gate gear selector lever is designed to accommodate two different driving techniques as follows:

- Automatic selection – the right-hand side of the selector gate.
- Manual selection – the left-hand side of the selector gate to individually select 5th, 4th, 3rd, or 2nd gear.

### Gearshift interlock

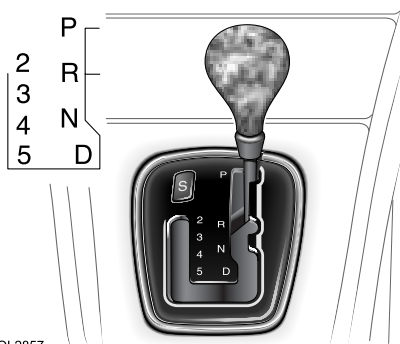
#### (automatic transmission only)

A brake pedal/gearshift interlock system is incorporated in the automatic gear selector mechanism.

To move the gear selector from Park:

1. Turn the ignition key to position II or start the engine.
2. Press the brake pedal.

### Gear selector positions



### WARNING:

**The parkbrake or brake pedal must be applied before selecting forward or reverse drive from a stationary position.**

**P = Park** – Use when parking. In this position the transmission is locked. Do not select if the vehicle is moving.

**N = Neutral** – Disconnects the driveline from the engine. Use the parkbrake when stopping temporarily.

**R = Reverse** – Do not select if the vehicle is moving forward.

The reversing lights come ON automatically when reverse gear is selected and the ignition switch is in position II.

**D = Drive** – All six gears are changed automatically as required by the throttle position and road speed.

**2, 3, 4, 5** = Second, third, fourth, fifth – If selected, the transmission operates automatically but will not engage gears higher than the one selected.

### Note:

- After selecting forward or reverse drive ranges from Neutral or Park, wait briefly for the transmission to engage before accelerating.
- V8 engines are limited to a maximum speed of 4 500 rev/min when Neutral or Park is selected.
- V6 engines are limited to a maximum speed of 7 000 rev/min, no matter which position the gear selector is in.

# Transmission

## Drive to fifth

When driving in gear position **D** with sixth gear engaged, the gear selector can be shifted sideways across the gate to **5**.

Provided that the vehicle's speed is not too great, the transmission will shift down to fifth. Sixth gear will be inhibited until the gear selector is moved back to **D**.

## Hill climbing and engine braking

When driving on roads with long downhill gradients, selecting **3** or **2** (depending on road/traffic conditions) will give engine braking.

When the gear selector is moved from **D**, **5**, **4** or **3** down to **2**, downshift to second gear will only take place at road speeds below 64 km/h (40 mph).

## Shift inhibit

Reverse is inhibited when the vehicle is moving forward at speeds above 8 km/h (5 mph).

**Note:** Reverse inhibit will not function in limp-home mode.

## Kickdown

Kickdown is operated when the accelerator pedal is pressed fully down, beyond the normal operating spring pressure, to provide maximum engine performance. Kickdown is used in circumstances where rapid acceleration is required, such as when overtaking.

Kickdown causes the transmission to change down to the lowest gear possible to achieve maximum acceleration. The gear engaged depends on the road speed at the time of kickdown.

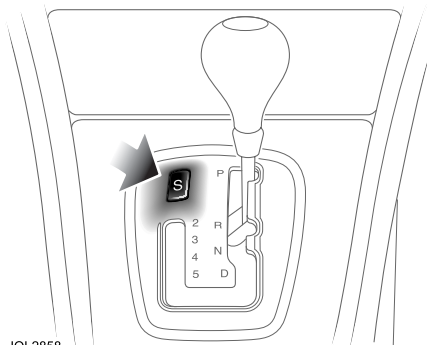
As well as shifting down, the gearshift points are extended to give greater performance. This mode is in effect for as long as the pedal is fully pressed down.

## Limp-home mode

In the unlikely event of an electrical or mechanical failure, transmission operation will be impaired. The vehicle gear selector ranges **P**, **R**, **N**, **D** can still be used to enable the vehicle to be driven to a safe area.

The driver should be aware that the vehicle's performance will be reduced and must take this into account when driving. In this event consult a Jaguar Dealer **immediately**.

## Sport mode



JOL2858

The switch marked **S** on the J-gate surround enables the driver to select either normal **N** or sport **S** modes.

When sport mode is selected the automatic transmission will operate normally, but the gearshift points are extended to make full use of the engine's power reserves.

# Transmission

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To select sport, press the switch. A red light within the switch is illuminated to indicate that sport mode has been selected.

To cancel sport, press the switch again.

**Note:** *Both sides of the J-gate can be used irrespective of the transmission mode, e.g. with **S** selected the transmission can be operated in full automatic or by manual selection.*

In addition to the switched transmission modes (**N** and **S**) the transmission control module will select shift patterns to suit specific conditions.

**Cruise control** – When cruise control is operating at set speed the transmission selects a shift pattern to suit cruise control operation.

**Dynamic stability control (DSC)** – When DSC is switched ON and the system is activated, the transmission selects a shift pattern to suit traction control conditions.

**Gradients** – When the vehicle is being driven on roads with uphill gradients, the transmission adapts the shift pattern to make better use of engine power and aid engine cooling.

Under the conditions described above, the relevant transmission mode will override the **N** or **S** modes selected by the driver. When such conditions no longer exist, e.g. Cruise control switched OFF, the transmission will revert to the shift pattern previously selected by the driver, i.e. **N** or **S**.

## Final drive unit

**Caution:** Although the final drive unit is a fill for life unit, if your vehicle is used for a race event or test track day then following the event the final drive unit lubricant should be changed. Contact your Jaguar Dealer.

# Braking System

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## ANTI-LOCK BRAKING SYSTEM (ABS)

This system helps to prevent the road wheels from locking and skidding during emergency braking, assisting the driver to maintain full steering and directional stability.

The factor controlling ultimate stopping distance and cornering ability is tire/road adhesion.



### WARNING:

- It remains the driver's responsibility to drive safely according to prevailing conditions.
- The fact that a vehicle is fitted with ABS must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users.
- The addition of ABS cannot overcome the consequences of trying to stop in too short a distance, cornering at too high a speed, or the risk of aquaplaning.
- The driver should always take road conditions into account. A slippery road surface always requires more braking distance for a given speed, even with ABS. A possible increase in stopping distance compared to locked wheels may occur during ABS operation on slushy snow, gravel, sand, or some heavily corrugated or ridged warning sections of road surfaces.

ABS optimises tire/road adhesion under maximum braking conditions though it cannot provide increased cornering ability.

There is no need for special braking techniques, such as pumping the brakes, to achieve optimum braking distances and control on poor or slippery road surfaces. Tires must be in good condition to achieve maximum adhesion.

During normal braking the ABS will not be activated. However, if the braking force applied begins to exceed tire/road adhesion the ABS will automatically activate, preventing the road wheels from locking.

In these circumstances a pulsating effect will be felt from the brake pedal indicating that the system is functioning. The pulsating effect is due to small fluctuations in pressure supplied to the brakes by the system to maintain full tire/road adhesion.

Under severe braking on some road surfaces tire noise may be apparent even though the wheels will at no time become locked.

### ABS Monitoring

The ABS control module monitors the ABS electrical system from ignition switch ON to ignition switch OFF. Any malfunction will be indicated by the anti-lock warning light coming on.

Should a fault develop in the ABS system, the brake system will still operate conventionally and with the same standard of performance as vehicles not equipped with ABS.

**Caution: Consult a Jaguar Dealer immediately if the warning light comes on while driving, a system failure is indicated.**

# Braking System

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## Emergency brake assist (EBA)

The EBA system measures the rate at which the brake pressure increases. If the system detects an emergency braking situation, EBA automatically initiates the full braking effect. This can reduce stopping distances in critical situations, which can help an inexperienced driver to stop in the same distance as an experienced driver.



### **WARNING:**

**The EBA system is an additional safety system; it is not intended to relieve the driver of his/her responsibility for exercising due care and attention when driving.**

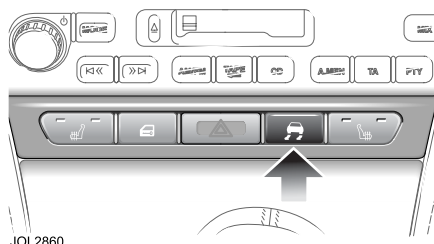
## Advice on ABS braking techniques

For optimum ABS performance these instructions on braking techniques during ABS operation should be followed:

- Do not release brake pressure when the pulsating effect is felt. Maintain a constant pressure until the manoeuvre is completed.
  - To familiarise yourself with the feel of the brake pedal during ABS braking, practise an emergency stop procedure, always making sure it is safe to do so. With the seat belts fitted to all occupants, drive the vehicle at 32 km/h (20 mph) and brake sharply.
  - ABS enables the driver to steer around obstacles during emergency braking. However, the consequences of turning sharply at high speed cannot be overcome by the ABS.
- Do not attempt to pump the brakes to avoid skidding as this can interfere with the ABS operation. The ABS will not allow the wheels to skid under normal road conditions.
  - The ABS will tend to keep the vehicle straight during braking. Because braking distances may increase under certain road conditions, it is necessary to plan and make turning manoeuvres as early as possible.

# Stability Control

## DYNAMIC STABILITY CONTROL (DSC)



Dynamic stability control is operational whenever the engine is running, unless it has been switched off. If the system is operating, the warning light in the instrument cluster will flash.

The DSC system controls the anti-lock braking system (ABS), traction control and yaw control of the vehicle.

Yaw control determines the vehicle's direction relative to the driver's inputs (sideslip and under/oversteer). It applies braking pressure to individual wheels if excessive variation is detected. This ensures that the vehicle follows the driver's intended direction of travel.

Traction control will intervene to prevent wheel spin, by automatically reducing the power output from the engine and applying braking to individual wheels.

This improves acceleration, particularly on surfaces with uneven friction, for example, one wheel on ice the other on tarmac.

ABS helps to prevent the road wheels from locking and skidding during emergency braking. When the system is operating, the warning light in the instrument cluster will flash.

The dynamic stability control system can be switched OFF by pressing the switch on the centre console. The warning light in the instrument cluster will remain on and, if fitted, a message **DSC OFF** will be shown to indicate that the system has been switched OFF. If the switch is pressed again the system will switch ON.

**Note:** If cruise control is engaged it will automatically disengage if stability control activates.

A system malfunction is indicated by the message **DSC NOT AVAILABLE** in the message centre and an amber warning light.

The instrument cluster warning light will also be lit.

It is safe to drive the vehicle but the system may not activate under wheel spin or slide conditions. Report the fault to a Jaguar Dealer as soon as possible.



### WARNING:

- The fact that the vehicle is fitted with dynamic stability control must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users. In all cases it remains the driver's responsibility to drive safely according to the prevailing conditions.
- It is recommended that when using snow chains, DSC should be switched OFF.

When DSC is switched ON and the system is activated, the transmission selects a shift pattern to suit traction control conditions.

# Driving Information

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## GENERAL DRIVING INFORMATION



### WARNING:

**Ensure the parkbrake is on and the gear selector is in position P or N before attempting to start the engine.**

Before driving off, check the gauges and warning lights and messages. Take special note of any warning light that is on.

Seat belts are provided for your safety and it is unwise, and in certain countries illegal, to commence any journey, however short, without wearing them.

In prolonged high speed conditions above 30°C (86°F) ambient temperature, the vehicle's maximum quoted speed may not be achievable.

### Warming Up

Do not operate the engine at high speed when first started but allow time for the engine to warm up and the oil to circulate.

### Engine Braking on Downhill Gradients

When driving on mountain roads with long downhill gradients it is advisable to select a low gear.

### Use of Headlights in Daylight

When visibility is poor the headlights with dipped beam setting should be switched on so that the vehicle may be seen more easily by other road users. The instrument illumination dimmer control adjusts the brightness of the panel lighting.

## Engine oil consumption

A certain amount of oil consumption is normal. The rate of consumption will depend on the following:

- The quality and viscosity of the oil.
- The amount of oxidation and dilution of the oil.
- Climatic conditions.
- The speed at which the engine is being operated.
- Road conditions.

Drivers should expect above normal consumption when the engine is new, and after running-in if high speeds are sustained.

## RUNNING-IN

By observing the following advisory precautions you will ensure maximum engine, transmission and brake life for your vehicle:

- Allow the engine to warm up thoroughly before operating at engine speeds over 3 500 rev/min.
- Vary the speed frequently.
- From 1500 km (940 miles) onwards, gradually increase performance of the vehicle up to the permitted maximum speed.

## Brakes

To ensure that the brake pads can 'bed-in' evenly and reach their optimum wear and performance condition, usually within 480 km (300 miles), the following points are recommended.

- Where possible, avoid heavy braking or rough usage of the brakes as this can result in damage being caused to the brake pads and discs.

# Driving Information

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- Avoid prolonged use of the brakes, for example, when descending severe gradients.
- Frequent light application of the brakes is desirable. This helps to fully 'bed-in' the brake pads before the normal running-in period is completed and the vehicle is operated at high speeds, when maximum brake efficiency will be required.

The above equally applies when new discs or pads have been fitted.

## Automatic transmission

To allow the automatic transmission to uniquely adapt to the vehicle, the transmission should be operated in normal mode (i.e. sport mode switch not illuminated) for the first 800 km (500 miles).

## Final drive unit

During the first 1 500 km (940 miles) and if at any time a new final drive unit is fitted:

- Avoid full throttle applications and do not exceed 190 km/h (120 mph). Observe the national speed limits in the country in which you are travelling.
- Do not participate in motor racing events, test track days, sports driving schools or similar.
- Avoid towing during running-in period.

## WINTER DRIVING

### Freeing a frozen door lock

**Caution: Do not apply a proprietary lock de-icer through the keyhole.**

Should the lock become frozen, warm the end of the key before use.

## Windscreen wiper blades

Before driving away, clear any ice from the windscreen and check that the wiper blades are free. Switching on the heated screen will accelerate this process.

## Frost precautions

The correct concentration of coolant must be maintained at all times when replenishing or refilling the cooling system.

## TOURING

### Foreign travel

Before planning foreign travel, check with a motoring organisation to ensure that your vehicle will comply with legal requirements of the countries you intend to visit.

It is advisable to carry vital spare parts to ensure serviceability in a remote area.

International motoring organisations are helpful for all aspects of long distance touring advice.

In some countries it is a legal requirement to carry spare vehicle bulbs.

### First aid kit

A first aid kit is compulsory equipment in certain countries. Your Jaguar Dealer can supply a first aid kit.

### Fire extinguishers

Many countries make it compulsory to carry a fire extinguisher. Your Jaguar Dealer can supply and fit one, see page 190.

### Fuel in containers

Some countries forbid the carrying of fuel in containers, as do most ferry and hovercraft operators.



# Driving Information

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## Cellular radio telephones

Ask your motoring organisation about the use of cellular radio telephones before travelling abroad, as some countries exercise controls on the importation and use of such equipment.

## Roof-rack

The Jaguar approved roof-rack should be used.

The maximum load, including the weight of the roof-rack, must not exceed the load rating indicated on the roof-rack bars and must be deducted from the vehicle maximum luggage load. Do not exceed the roof load capacity (refer to page 230).

When carrying items on the roof, make sure the load is distributed evenly. It is advisable to place heavier items as low in the vehicle as possible. Make sure items placed on the roof do not obstruct the sunroof.

Always ensure that items are securely fastened to the roof-rack or load carrier, to avoid the load from shifting.

Loads on the roof-rack may affect vehicle handling, especially in crosswinds or when cornering. Where possible, avoid heavy braking and sudden acceleration.

## Jaguar warning triangle (Where fitted)

A warning triangle to give traffic advanced notice of a disabled vehicle is compulsory in many countries. A triangle, designed to international standards, is standard equipment in certain countries.

Hazard warning lights must be used with the warning triangle.

The warning triangle with its stand legs folded flat, is mounted on the inside of the luggage compartment lid.

In an emergency, remove the triangle and unfold its stand legs. Place the triangle in the road in accordance with local traffic regulations to give oncoming traffic warning of an immobilised vehicle.

## TOWING A TRAILER

Your Jaguar Dealer, and the main motoring organisations can advise you on towing and towing weight capacities.

The following are important points of safety, stability and comfort upon which further advice should be sought:

- Maximum braked towing weight is permissible, provided long periods of uphill driving on gradients over 8% are not undertaken.
- In high altitude mountainous regions, the thinner atmosphere can reduce engine performance. Above 1 000 metres (3 280 feet) the stipulated maximum permitted gross train weight must be reduced by 10% for every 1 000 metres (3 280 feet) in altitude.

Example: Driving on a mountain road of a maximum of 2 400 metres (7 874 feet) means a reduction of the gross train weight by 20%.

- The curbside weight of the vehicle can be found on page 229.
- When towing, the weight of the tow-bar assembly must be deducted from the permissible maximum load (see page 230).
- When towing at the maximum permissible rear axle load keep within legal towing speeds.

# Driving Information

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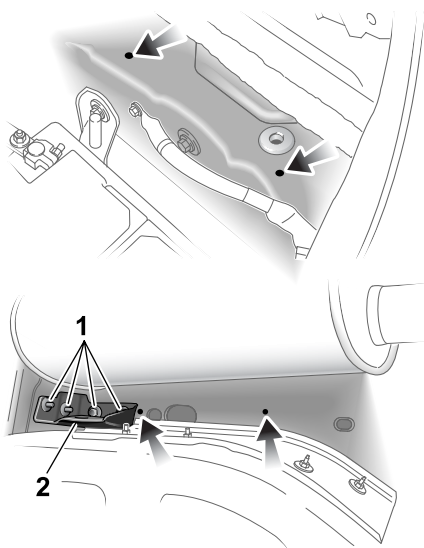
- Tires must be inflated to the normal (Higher) pressure shown on the tire pressure label, see page 210.
- The recommended maximum tow-ball nose weight is shown on page 230. Having a lower nose weight or exceeding the maximum nose weight limit may impair the vehicle's handling.
- When towing with a vehicle with automatic transmission it is advisable to keep the transmission selected to **D**, normal driving mode, do not select **S** Sport mode.
- Avoid heavy braking. As the overrun brake on the trailer is not connected to the ABS, heavy trailer braking could critically affect the stability of the outfit as a whole.
- Ensure that the towing vehicle's engine, transmission, suspension, brakes and tires are fully efficient and regularly serviced. Similarly check the wheels, tires, brakes and wheel bearings of the trailer.
- Adjust the headlight level to avoid dazzling other road users.
- **Using electrical kits not specifically designed for this Jaguar will damage the electrical system of the vehicle.**

## Caution:

- **When not in use, it is recommended that the removable tow-ball is either securely stowed in the luggage compartment or, preferably, not in the vehicle. Do not leave it loose in the vehicle.**
- **It is essential that only Jaguar tow-bar and Jaguar electrical tow-bar kit are supplied and fitted by a Jaguar Dealer.**

# Driving Information

## TOW-BAR FIXING POINTS

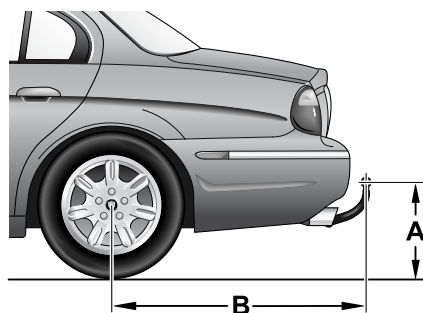


JOL2906

The left and right-hand rear longitudinal members are factory pre-marked for drilling for tow-bar mountings. On each side, there are two upper drilling points (accessed from inside the luggage compartment) and two lower drilling points (accessed from the underside of the vehicle). The illustration shows the right-hand side upper and lower drilling points, indicated by arrows.

The left and right-hand rear tie-down brackets are fixed to the body by four bolts (1).

When the towbar is fitted, bracket (2) is discarded.



JOL2907

Tow-ball centre height from the ground at Gross Vehicle Weight (GVW):

(A) = 37.0 cm to 38.2 cm (14.5 inches to 15.04 inches).

Tow-ball centre distance from centre line of rear axle:

(B) = 116.5 cm (45.87 inches).

# Fuel and Refuelling

## SAFETY PRECAUTIONS

Before refuelling, switch off the ignition and remove the key.

**Note:** Do not leave the ignition key in the vehicle; vehicles have been stolen from garage service/filling stations whilst the driver is absent from the vehicle. It is recommended that the vehicle is locked, if left unattended.

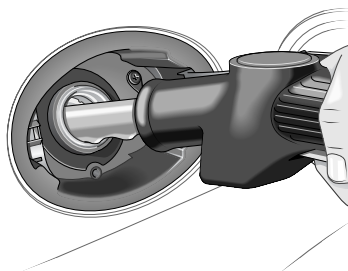
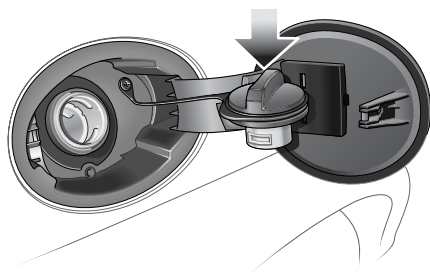
**Caution:** Do not put additives of any kind (fuel or oil) in the fuel tank. Additives could reduce engine life or affect exhaust emissions.



### WARNING:

- Fuel vapour is highly flammable and in confined spaces is explosive and toxic. In the event of inadvertent spillage, and before refuelling, always switch OFF the engine. Do not use exposed flame or light. Do not smoke. Do not inhale fumes.
- Do not fill the tank so that fuel is visible in the fuel filler intake tube. This could cause spillage and danger from exposed fuel.

## FUEL TANK FILLING



JOL3204

The fuel filler flap release switch is located in the knee bolster switchpack below the fascia. The filler flap is on the right-hand side of the vehicle.

To remove the filler cap, turn it anti-clockwise approximately a  $\frac{1}{4}$  turn, until a slight resistance is met, continue turning to release it. Remove the cap from the filler neck.

# Fuel and Refuelling

A label on the inside of the fuel filler flap serves as a reminder to fill the tank with the correct fuel.

The cap, which is held by a retaining strap, can be stowed on the hook on the flap to allow easy access to fill the tank.

When filling, the dispenser nozzle must be inserted into the filler neck sufficiently to open the trap door for fuel to flow into the fuel tank. For quickness and to completely fill the tank, ensure that the fuel nozzle rests on the bottom of the filler neck as shown. Fill the tank until the filler nozzle automatically shuts off. Filling beyond this point could result in fuel spillage.

After refuelling, refit the filler cap in the filler neck and twist the cap clockwise until it clicks three times. Close the flap, which automatically locks shut.

The continuous use of high quality fuel makes the need for additional additives unnecessary. This will help to protect the engine components against corrosion, carbon deposit formation and prevent the fuel injection system from clogging.

If in doubt your local Jaguar Dealer will advise on which fuel must be used in your vehicle.

## Emission control components

Owing to the legislative requirements or options available in some countries, a Jaguar Dealer should be consulted where any doubt exists as to the precise emission control system specification of this vehicle.

## FUEL CAPACITY

Avoid the risk of running out of fuel and never intentionally drive the car when the fuel gauge indicates that the tank is empty. When refuelling your vehicle after the fuel gauge reads empty, you may not be able to add the fuel quantity shown below as there will be a small reserve remaining in the tank.

Total tank capacity.	69.7 litres (18.4 US Gallons).
Indicated refill capacity – E to F on fuel gauge.	64.3 litres (17.0 US Gallons).
Unindicated (reserve) capacity.	5.3 litres (1.4 US Gallons).

## FUEL REQUIREMENTS – GASOLINE ENGINES

The filler neck of the fuel tank is a small diameter to suit the unleaded fuel pump nozzle and will prevent the larger diameter leaded fuel nozzle from entering the filler neck.

**Caution: Vehicles with gasoline engines must only be filled with Unleaded Fuel. Leaded fuel will damage the catalytic converters.**

### Unleaded fuel

All vehicles are fitted with a catalytic system and can only use unleaded fuel.

Unleaded fuel must be used for the emission control system to operate properly. Its use will also reduce spark plug fouling, exhaust system corrosion and engine oil deterioration.

Use only Premium unleaded gasoline with a minimum anti-knock index (AKI) of 91.

# Fuel and Refuelling

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Using unleaded fuel with a lower AKI than recommended can cause persistent, heavy spark knock (a metallic rapping noise). If severe, this can lead to engine damage.

If a heavy spark knock is detected even when using fuel of the recommended octane rating, or if you hear steady spark knock while holding a steady speed on level roads consult a Jaguar Dealer to have the problem corrected. Failure to do so is misuse of the vehicle, for which Jaguar Cars Limited, is not responsible. However, occasional light spark knock for a short time while accelerating or driving up hill, may occur.

## Fuels containing alcohol

**Caution: Take care not to spill fuel during refuelling. Fuel containing alcohol can cause paint damage, which may not be covered under the warranty.**

Some fuel suppliers sell fuel containing alcohol without advertising its presence. Where uncertainty exists check with the service station operator.

***Note:** Some difficulty in starting may be encountered when using alcohol blended fuel.*

## Ethanol

Fuels containing up to 10% ethanol (grain alcohol) may be used. Ensure the fuel has octane ratings no lower than those recommended for unleaded fuel.

Most drivers will not notice any operating difference with fuel containing ethanol. If a difference is detected, the use of conventional unleaded fuel should be resumed.

## Methanol

Some fuels contain methanol (methyl or wood alcohol). If you use fuels containing methanol the fuels must also contain co-solvents and corrosion inhibitors for methanol. Also, do not use fuels that contain more than three per cent methanol even if they contain co-solvents and corrosion inhibitors. Fuel system damage or vehicle performance problems resulting from the use of such fuels is not the responsibility of Jaguar Cars Limited, and may not be covered under the warranty.

## Methyl Tertiary Butyl Ether (MTBE)

Unleaded fuel containing an oxygenate known as MTBE can be used provided the ratio of MTBE to conventional fuel does not exceed 15%.

MTBE is an ether based compound, derived from petroleum, which has been specified by several refiners as the substance to enhance the octane rating of fuel.

## Reformulated gasoline

Several petroleum companies have announced the availability of reformulated fuels. These fuels are specially designed to further reduce vehicle emissions.

Jaguar fully supports all efforts to protect and maintain ambient air quality and encourages the use of reformulated gasoline where available.

# Fuel and Refuelling

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## CATALYTIC CONVERTERS

A few precautions on the use of vehicles fitted with catalytic converters are necessary. These are:

- In order to maintain the efficiency of the emission control system it is essential that the correct fuel is used. If the vehicle is fitted with a gasoline engine, never refuel with leaded fuel: this will seriously damage the catalytic converters. If the vehicle is fitted with a diesel engine, use only high quality diesel fuel to specification EN 590 or equivalent.
- Heavy impact on the converter casings must be avoided.
- A correctly tuned engine optimises exhaust emissions, performance and fuel economy. It is recommended that the vehicle is regularly maintained.
- The engine settings must not be altered; they have been established to ensure that the vehicle will comply with stringent exhaust emission regulations. Incorrect engine settings could cause unusually high catalytic converter temperatures and thus result in damage to the converter and vehicle. If adjustment to the settings is considered necessary, this should be performed by a Jaguar Dealer.
- Do not continue to operate the vehicle if any engine malfunction is evident; malfunctions should be rectified immediately. For instance, misfire, loss of engine performance, excessive oil consumption or engine run-on may lead to unusually high catalytic converter temperatures and may result in damage to the converters and vehicle.
- The use of catalytic converters increases exhaust system temperatures, therefore, do not operate or park the vehicle in areas where combustible materials such as dry grass or leaves may come into contact with the exhaust system.
- Do not run a gasoline engine with either a spark plug lead disconnected or a spark plug removed. Do not use any device that requires an insert into a spark plug hole in order to generate air pressure e.g. tire pump, paint spray attachment etc., as this could also result in catalytic converter damage.
- The vehicle is designed for normal road use. Below are examples of abuse which could damage the catalytic converters and vehicle:
  - Competition or off-road use.
  - Excessive engine speed.
  - Overloading the vehicle.
  - Switching off the engine whilst in gear.These may lead to a dangerous condition due to excessively high catalytic converter temperatures.

# Climate Control

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## INTRODUCTION

The cabin is supplied with filtered air from a fully automatic electronic climate control system which also provides individual selection of temperature (dual zone) by the front occupants.

The system can be overridden by manual controls.

The climate control panel is located in the centre console above the radio and audio controls. There are two variants:

- A dedicated control panel with LCD (liquid crystal display) screen, refer to page 159.
- A multi-function touch control and display unit shared with navigation and other systems (see the touch-screen display handbook).

## RECOMMENDED OPERATION

### Automatic climate control

Automatic climate control provides efficient regulation of the vehicle environment without constant adjustments from the occupant.

Sensors inside the vehicle monitor temperature, humidity and direct sunlight. In response, the electronic control system automatically adjusts the heat input, blower speed, air intake and airflow distribution so as to maintain the selected temperature(s) and reduce misting.

Automatic operation provides optimum comfort under most driving conditions.

**It is recommended that automatic control (AUTO) is selected as the normal operating mode.**

### Use of air conditioning

Air conditioning is an integral part of the climate control system, providing cooled and dehumidified air for occupant comfort; the dry airflow is also effective in preventing misting of the windows.

While the air conditioner can be manually switched off, it is recommended that it is used in all climatic conditions throughout the year, preferably in **AUTO** mode.

Close all windows and the sunroof when the air conditioning is on to ensure satisfactory operation.

**Note:** *When air recirculation is selected, the sound of the airflow will change: this is normal.*

### Use of air recirculation

The air conditioner/heater system is supplied with fresh air via an intake flap.

Closing the flap causes the air inside the vehicle to be recirculated. This helps to prevent unpleasant odours from being drawn into the vehicle and also to improve the performance of the air conditioner in very hot conditions. However, the use of recirculated air will cause screen misting after a short period and should only be used as necessary.

In **AUTO** mode, the air intake flap is controlled automatically. If required, air recirculation may be manually selected for either a short or indefinite period.



### **WARNING:**

**To prevent humidity build up inside the vehicle and possible screen misting, avoid driving with the air conditioning system off or in manual air recirculation for prolonged periods.**



# Climate Control

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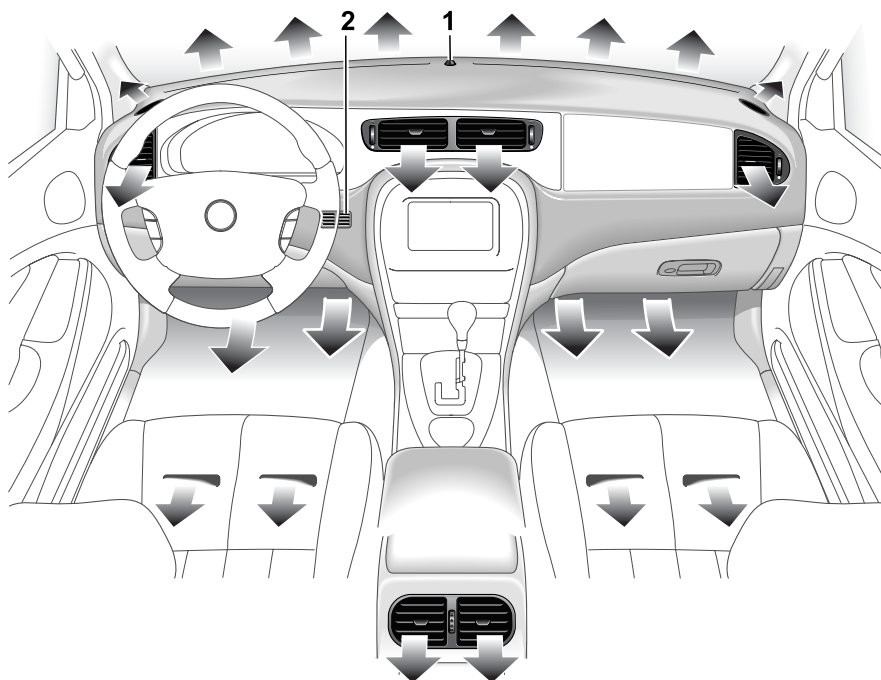
## GENERAL POINTS

To ensure the satisfactory operation of the climate control system, note the following points:

- Ensure that the external grille at the base of the windscreen, which provides fresh air for the climate control system, is kept clear of leaves, snow or obstructions.
- A solar sensor is mounted on the centre top of the fascia, (as shown on the next page) (1). Ensure that this sensor is not covered.
- Temperature and humidity sensors are located behind the small grille (2), (as shown on the next page). Do not cover or obstruct the opening.
- Air ducts under the front seats supply the rear passenger footwells (as shown on the next page). Objects or material placed under the seats may block or obstruct the open ducts.
- The external air intake to the air conditioner/heater system is fitted with a filter. Ensure that the filter is changed at the specified service intervals to maintain efficient operation.
- If the air conditioning system is not used frequently, it should be run briefly at least once each week, with a cold setting, to prevent the seals from drying out with subsequent refrigerant leaks.
- Moisture removed from the air by the air conditioning unit is discharged onto the road underneath the vehicle. After stopping, puddles of water may form underneath the vehicle: this is normal.

# Climate Control

## AIR DISTRIBUTION



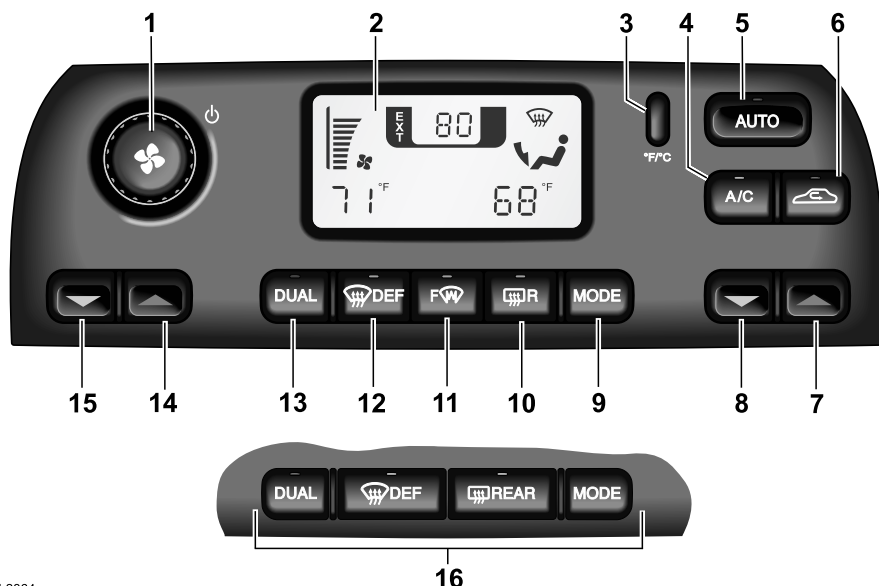
JOL2862

The illustration above shows the location of the air vents within the vehicle. The airflow from the fascia face level vents is regulated using thumbwheel controls and adjustable direction vanes.

Air distribution between the windscreen, fascia and floor levels is selected automatically when operating in **AUTO** mode but can be selected manually.

# Automatic Climate Control

## LCD SCREEN CONTROL PANEL



JOL2864

1. Blower speed and system on/off.
  2. Display panel.
  3. Fahrenheit/Celsius selector.
  4. Air conditioner on/off.
  5. Select automatic operation.
  6. Recirculation/fresh air.
  7. Increase right-hand zone temperature.
  8. Decrease right-hand zone temperature.
  9. Select air distribution.
  10. Heated rear screen/door mirrors.
  11. Heated front screen (where fitted).
  12. Defrost windows.
  13. Select dual/single temperature zone.
  14. Increase left-hand zone temperature.
  15. Decrease left-hand zone temperature.
  16. Option without front screen heater.
- The climate control functions are selected by push buttons and a rotary control. When a button is pressed, selection of the function is confirmed by a beep; most buttons are also illuminated.
- Many system functions also have graphic symbols displayed on the screen.
- Automatic control (**AUTO**) may be overridden at any time. Defrost/demist operation is available and also manual selection of blower speed, air distribution, recirculation, air conditioning and windscreen heating.

# Automatic Climate Control

## Panel illumination

With the exterior lighting switched on, the graphics on the panel controls are illuminated by low level backlighting.

The illumination level is adjusted by the common instrument panel dimmer control, refer to page 124.

## TO SWITCH THE SYSTEM ON

The climate control system operates in position **II** (run) of the ignition switch.

With the ignition key turned to the run position, the system will switch on in the operating mode last set.

**Note:** *It is advisable to allow the system to stabilise before making large changes to the temperature setting, particularly at the start of a journey, refer to Temperature Selection.*

For normal usage select **AUTO** mode.

## AUTO MODE

Automatic operation provides a controlled environment over a temperature range of 17°C to 31°C (61°F to 89°F) and should be regarded as the normal operating mode.



To select automatic climate control press the **AUTO** button; the word **AUTO**

appears on the LCD screen to confirm selection.

Select the required temperature.

Front and rear screen heating and timed air recirculation may be selected in **AUTO** mode. Selecting any other control will cancel **AUTO** operation.

Automatic operation cannot be deselected using the **AUTO** button. To exit **AUTO** mode, select another mode or press the blower control knob to switch the system off.

## TEMPERATURE SELECTION



Separate controls allow the driver and passenger zone temperatures to be

independently adjusted. Press the red buttons to increase temperature and the blue buttons to decrease temperature.

Both driver and passenger temperatures are always displayed.

Pressing the driver's buttons to select the maximum or minimum temperature settings causes the display to change to HI or LO respectively and cancel **AUTO** mode.

To quickly jump from HI or LO to a convenient midrange temperature of 23°C (73°F), press and hold **AUTO** for a few seconds.

## DUAL TEMPERATURE ZONES



With the **DUAL** button LED illuminated, the system provides separate temperature control of the driver and passenger zones.

Press **DUAL** to de-select dual temperature control (LED off); the passenger temperature will change to that of the driver side. Using the driver side temperature control buttons will now change both zone temperatures together.

To select dual temperature control, press either the **DUAL** button or one of the passenger side red/blue temperature control buttons. The **DUAL** LED is illuminated.

# Automatic Climate Control

## EXTERNAL TEMPERATURE

The external (EXT) temperature is displayed at the top of the screen.

## FAHRENHEIT/CELSIUS SELECTION



Press the button to change the scale between degrees Fahrenheit (°F) and degrees Celsius (°C) for the displayed internal and external (EXT) temperatures.

## AIR RECIRCULATION

### Timed air recirculation



Press the button briefly to select timed air recirculation.

The fresh air intake is opened and the button LED extinguished at the end of the time out period.

### Latched air recirculation



Press and hold the button for a few seconds to select latched air recirculation. Selection is indicated by the screen symbol, two beeps and the button LED flashing four times then remaining illuminated.

Selecting latched air recirculation cancels **AUTO** operation.

To deselect latched air recirculation, press the recirculation button again, or select **AUTO**.



### WARNING:

**Prolonged operation with recirculation selected in cold, damp conditions could result in screen misting.**

## WINDSCREEN DEFROST/DEMIST

### Frost and heavy misting



To remove frost or heavy misting from the windscreen, press the **DEF** button.

- The blower switches on automatically at maximum speed but the speed can be reduced manually if required.
- Air conditioning switches on automatically (to dehumidify the air) and cannot be deselected.
- Recirculation is cancelled and cannot be selected.
- The front screen heater and the rear screen heater/door mirror heaters switch on automatically, provided the engine is running.

To deselect defrost mode, press **AUTO** (recommended operating mode to maintain a mist-free screen).

### Light misting



To prevent or remove light windscreen misting, select manual air distribution to windscreen and feet (see page 162).

## HEATED SCREENS AND DOOR MIRRORS



The front (**F**), (where fitted) and rear (**R** or **REAR**) screen heaters may be switched on and off in any mode, including system off, but will only operate when the engine is running. The door mirror heaters are also controlled by the rear screen heater button.

The front screen heater (if fitted) switches off automatically after four minutes.

# Automatic Climate Control

The rear screen and door mirror heaters switch off automatically after ten minutes.

The windscreen heaters may be manually deselected during the timed period using the push buttons.

In cold ambient conditions, at the start of a journey, the front and rear screen heaters will switch on automatically for the timed period. The rear heated screen will come on below -1°C (30°F) and the front screen will come on below 5°C (41°F).

**Note:** The top three lines of the rear screen pattern are a concealed antenna system and do not defrost the rear screen.

## AIR CONDITIONING



Press to switch the air conditioning on or off.

The air conditioning system is controlled automatically in

**AUTO** mode to maintain the desired temperature and humidity (even if higher temperature settings are selected).

Deselecting **A/C** cancels **AUTO** mode.

The air conditioning system is also switched on automatically in defrost mode (**DEF**) in order to dehumidify the air: it cannot be deselected in this mode.

## BLOWER SPEED



Set the blower speed as required with the rotary control knob. Blower speed is shown as a series of bars on the LCD screen.

When operating in **AUTO** mode, blower speed is controlled automatically (but not displayed) and any adjustment of the knob will cancel **AUTO** mode.

**Note:** In **AUTO** mode, the blower only operates at low speed, if heating is required, until the engine is warm.

## MANUAL AIR DISTRIBUTION

Air distribution is automatically controlled in **AUTO** and defrost modes.



Press **MODE** to select manual air distribution. Four air distribution modes are available and are selected in succession by pressing the **MODE** button. A symbol is displayed for the selected mode.



Airflow distributed to the windscreen and feet; select to prevent or remove light misting and when heating the interior.



Airflow directed to foot level; optimum position for heating interior (if warm airflow selected).



Airflow distributed to the face and feet.



Airflow directed at face level only; optimum position for cooling interior (if cool airflow selected).

## TO SWITCH THE SYSTEM OFF



Press in the blower rotary control knob to switch the climate control system off.

If the blower control knob is pressed again, the system will switch on in the previous mode set.

# Automatic Climate Control

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## RAM AIR

With the climate control system switched off, air recirculation is automatically selected (intake flap closed). To select fresh air with the system off, press one of the air distribution buttons.

With the blower switched off, the fresh airflow results from the forward motion of the vehicle (ram air effect).



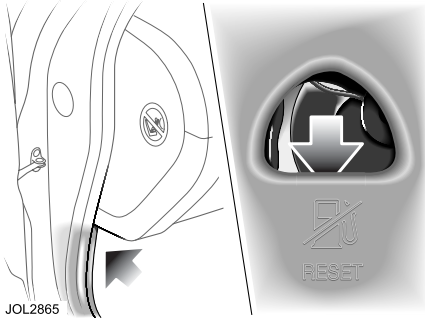
### **WARNING:**

Selecting ram air (or switching the system off when the windows are closed) may increase the possibility of screen misting due to reduced airflow.

# Inertia Switch

---

## LOCATING THE INERTIA SWITCH



In the event of an accident, an inertia switch may trip, isolating fuel pump operation. Once the switch has tripped it must be reset before attempting to restart the engine.

The inertia switch is located behind the trim on the left-hand side of the vehicle, forward of the front door post, below the fascia. A finger access hole in the trim allows the driver to reset the switch.

## Resetting the switch



### WARNING:

To avoid the possibility of fire or personal injury, do not reset the inertia switch if you see or smell fuel.

If no fuel leak is apparent, reset the inertia switch as follows:

1. Turn the ignition switch to position **0**.
2. Press down the rubber reset button on the top of the inertia switch.
3. Turn the ignition switch to position **II**, pause for a few seconds, then return the key to position **0**.
4. Make a further check for fuel leaks.



# Emergency Starting

---

## ROLLING START

If the electric parkbrake was applied before the battery was discharged (e.g. vehicle unused for a long period), it will not be possible to release the parkbrake.

Do not push or tow start a vehicle with automatic transmission even with the parkbrake released. With a discharged battery it will also not be possible to move the drive selector from the **P** position.



### **WARNING:**

**A vehicle start by pushing or towing must not be attempted. Only jump lead starting or the fitting of a fully charged battery is recommended.**

## USING JUMP LEADS

Both the booster and discharged battery should be treated with great care when using jump leads. Always use high quality leads capable of carrying the starter current of the vehicle to be started.

Before commencing, the following precautions must be taken:

- When the battery of another vehicle is being used, ensure that the vehicles do not touch. Alternatively, remove the charged battery and place near to, not on, the vehicle with the discharged battery.
- Ensure that both vehicles have all electrical services OFF, the parkbrakes applied and neutral (manual transmission) or **P** (automatic transmission) selected.

- Where the jump leads are of a different colour, e.g. red and black, use red for positive (+). This aids identification and helps to avoid crossing positive (+) to negative (-). Take extra care to avoid crossing the polarity when using cables of the same colour.

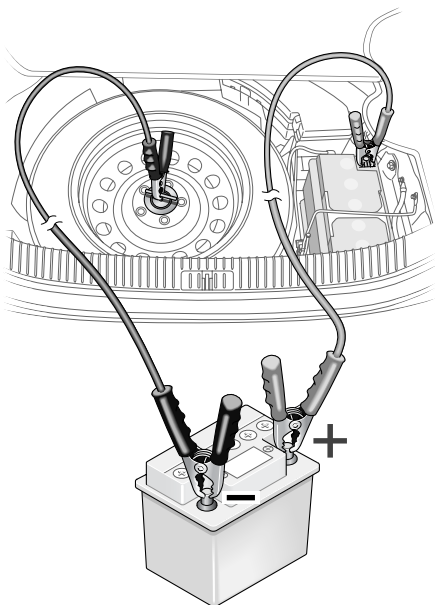
### **Caution:**

- **If using a jump start vehicle, under no circumstances should the vehicles come into contact with each other. This could establish an earth connection, which may cause sparks and damage.**
- **Do not run the jump start vehicle's engine when boost starting a Jaguar vehicle. If the jump start vehicle's engine is running and the jump leads are disconnected, damage to the Jaguar vehicle's electrical system will result.**
- **The booster battery must be of the 12 volt type.**

To gain access to the battery, fold the luggage compartment floor panel forward. If a space saver spare wheel is fitted it will be necessary to remove the under floor stowage tray.

# Emergency Starting

## Procedure for using jump leads



JOL2866

The following procedure must be followed exactly, being careful not to cause sparks:

1. Unclip the battery positive (+) terminal cover.
2. Attach one end of the red jump lead to the positive (+) terminal of the booster battery and the other end to the positive (+) terminal of the discharged battery. Make sure that a good connection is made.

**Caution:** Do not connect the negative jump lead directly to the negative (-) terminal of the discharged vehicle.

3. Attach one end of the black jump lead to the negative (-) terminal of the booster battery and the other end to an earth point on the vehicle being started. (If your Jaguar has the discharged battery use only the spare wheel locking stud, as shown.) The ground connection point must be at least 30.5 cm (12 inches) from the discharged battery. Make sure that a good connection is made.
4. When started, allow the engine to idle for five minutes before disconnecting the cables.
5. Disconnect the black jump lead from the earth point and the booster battery negative (-) terminal.
6. Disconnect the red jump lead from the positive (+) terminals of both batteries.
7. Refit the positive (+) terminal cover.
8. Refit the luggage compartment floor panels.

After starting the engine, it may be necessary to reset the electric parkbrake (refer to page 134). See also After battery reconnection, page 203.

# Wheel Changing

## OVERVIEW

Be prepared for a flat tire. Know where equipment is stowed and read the wheel changing and jacking instructions carefully.

If a wheel change is required, pull off the road completely. Park on ground which is as level and solid as possible. Ensure that the vehicle is clear of any objects that will obstruct the safe removal of the wheel. Switch on the hazard warning lights, and where legally required, display a warning triangle.

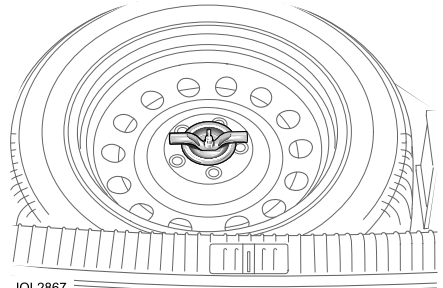
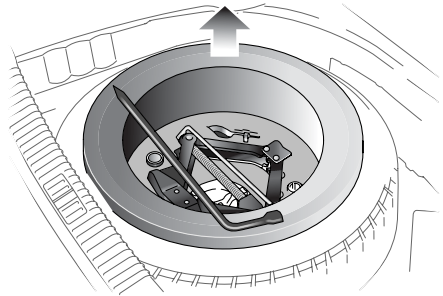
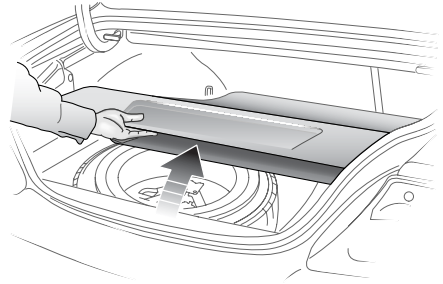


### WARNING:

- It can be dangerous to change a wheel when the vehicle is on a slope or soft, uneven ground.
- Wheels are extremely heavy. Take care when lifting and particularly when removing and replacing a wheel in its storage position in the luggage compartment.

## SPARE WHEEL LOCATION

The spare wheel and jacking equipment are stored under the luggage compartment floor panel.



JOL2867

To remove the spare wheel, fold the luggage compartment floor panel towards the rear seats. Remove the tray containing the jacking equipment to gain access to the wheel. Unscrew the retaining nut and remove the spare wheel. Remove the jack and wheel nut wrench.

# Wheel Changing

## TEMPORARY-USE SPARE WHEEL

Observe the following warnings before using the wheel:



### WARNING:

- Please note temporary-use spare wheel warning label. Adhere to instructions on the label. Failure to comply can be dangerous.
- When a temporary-use spare wheel is fitted, drive with caution and replace with the specified wheel and tire as soon as possible.
- Do not fit more than one temporary-use spare wheel and tire assembly at one time.
- The temporary-use spare wheel must be inflated to the correct pressure.
- Temporary-use spare wheel, maximum speed is 80 km/h (50 mph).

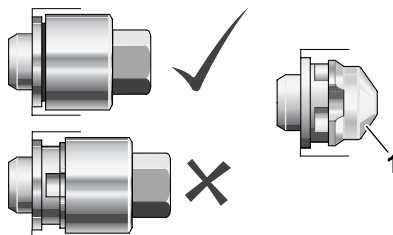
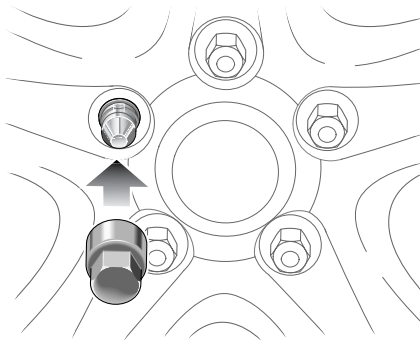
**Note:** Maintenance information for the temporary-use spare wheel is the same as given for normal tires. See page 219.

## LOCKING WHEEL NUTS

Where Jaguar locking wheel nuts are fitted (one on each wheel), they can only be removed using the correct key socket.

The locking wheel nut comprises two grooved parts, front and rear, which must be turned together to allow the nut to be fitted or removed.

To remove the nut, the front and rear grooves must be aligned. Locate the key socket in the grooves and push it fully over both parts of the nut. Fit the wheel nut wrench over the key socket and loosen the locking wheel nut.



JOL2666

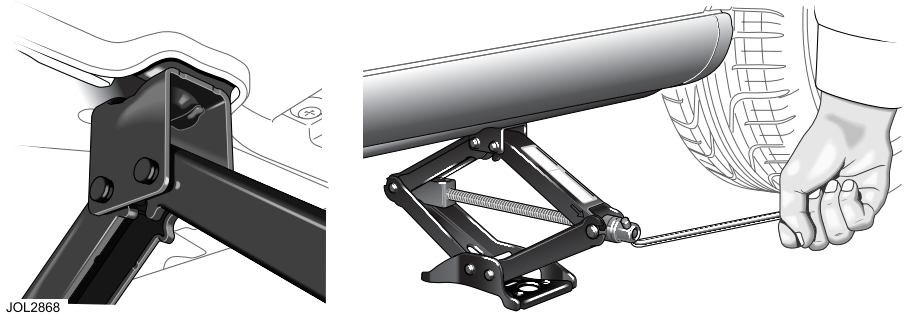
Attempting to remove the nut without the correct key socket (such as attempted theft) or with the socket not located over the rear part of the nut, will cause the front part (1) only to turn.

If this has happened, rotate the front part with the key socket until the grooves are re-aligned and then push the socket fully over the nut.

Should a new key socket be required, contact your Jaguar Dealer. Proof of vehicle ownership will be required.

# Wheel Changing

## WHEEL CHANGING



JOL2868

1. Ensure that all passengers are in a safe place, clear of the vehicle.
2. Apply the parkbrake and select gear position **P** (Park) or select a low gear on a manual transmission vehicle.
3. Ensure that the jack is placed on firm and level ground.

**Note:** When one rear wheel is lifted off the ground the selection of a low gear on manual vehicles or automatic transmission **P** (Park) position will not prevent the vehicle from moving and possibly slipping off the jack.



### WARNING:

- Before attempting to lift the vehicle with the jack, chock the wheel diagonally opposite to the wheel being replaced to prevent the vehicle from rolling when jacked up. A wheel chock is supplied with the jacking equipment for this purpose.
- Never work under the vehicle using only the jack as a support, always use axle stands or suitable supports under the jacking points.

Before raising the vehicle slacken but do not remove the wheel nuts.

Observe the instructions printed on the jack.

Use the jack only for lifting the vehicle during wheel changing, and only use the jack which is stored in the vehicle.

Do not start or run the engine while the vehicle is only supported by a jack.

There are four jacking points, two each side of the vehicle on the underside of the floor. These provide positive location for the jack. The front jacking point is approximately 18 cm (7 inches) from the front wheel and the rear is approximately 28 cm (11 inches) forward of the rear wheel.

The simplest way to correctly locate the jacking point is to feel along the sill panel to the cut-away portion and then fit the jack to the body, not to the sill panel.

# Wheel Changing

**Caution:** Ensure before raising the vehicle that the jack is correctly positioned to avoid any damage to the vehicle sills or sill panels. Use only the correct jacking points, never use bumpers or any other part of the body to lift the vehicle.



## **WARNING:**

- Do not attempt to lift the vehicle unless the jack head is fully engaged in the jacking point.
- Ensure that the parkbrake is applied.

Place the jack squarely beneath the appropriate jacking point. Ensure that the jack head is fully engaged. Carefully raise the vehicle by turning the handle. Stop jacking the vehicle when the tire just clears the ground. Minimum tire lift gives maximum vehicle stability.

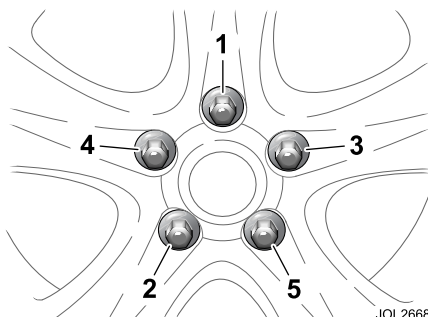
Remove the wheel nuts and the wheel.

When changing the alloy road wheels, transfer the centre badge to the replacement wheel (when a full size spare wheel is used). Using the plastic tipped end of the wheel nut wrench handle from the inside of the wheel, push the centre badge from its housing. Push the centre badge into the replacement wheel. If the temporary-use spare wheel is to be fitted, keep the centre badge safely and fit it to the repaired full size wheel when it has been refitted.

Fit the spare wheel and loosely secure with the wheel nuts.

Using the wheel nut wrench, lightly tighten the wheel nuts alternately using the sequence shown in the illustration.

## **Tightening the wheel nuts**



Lower the jack and tighten the wheel nuts alternately, **DO NOT OVERTIGHTEN**.

At the earliest opportunity have the wheel nuts tightened with a torque wrench to 125 Nm (92 lbf.ft.).

This torque must not be exceeded.

## **Stowing the equipment**

Stow the replaced road wheel in the luggage compartment, position the wheel and secure with the retaining nut.

Place the storage tray with the jack and wrench over the wheel.

Reposition the luggage compartment floor panel.

**Note:** *Examine the jack occasionally and clean and grease the threads to ensure it is always ready for an emergency.*



## **WARNING:**

**When the temporary-use spare wheel has been fitted, drive with caution and replace with the specified wheel and tire as soon as possible.**

# Vehicle Recovery

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## METHODS OF RECOVERY

The preferred vehicle recovery method is by using a flat bed transporter or rear suspended tow.

### Caution:

- If the vehicle has defective transmission, to prevent further damage, it must be towed with the rear wheels clear of the ground.
- Ensure that the recovery team do not tow with sling-type equipment since damage to the bodywork may result.
- Do not tow vehicle by suspending the front end.

### Vehicle failure

The removable towing eye is primarily for emergency use when towing for SHORT DISTANCES, e.g. removing the vehicle if it is causing an obstruction or for winching the vehicle onto a recovery transporter. To prevent damage to the automatic transmission whilst the vehicle is being towed with the rear wheels on the ground, towing distance must be restricted to 0.8 kilometres (0.5 miles). Towing speed must not exceed 48 km/h (30 mph).

Always obey towing regulations. In certain countries the registration number of the towing vehicle and an 'ON TOW' sign or warning triangle must be displayed in a prominent position at the rear of the vehicle being towed.

When being towed, the vehicle's gear selector lever must be in neutral (position **N**) with the ignition key turned to position **II** to release the steering lock and render the indicators, horn and brake lights operational.



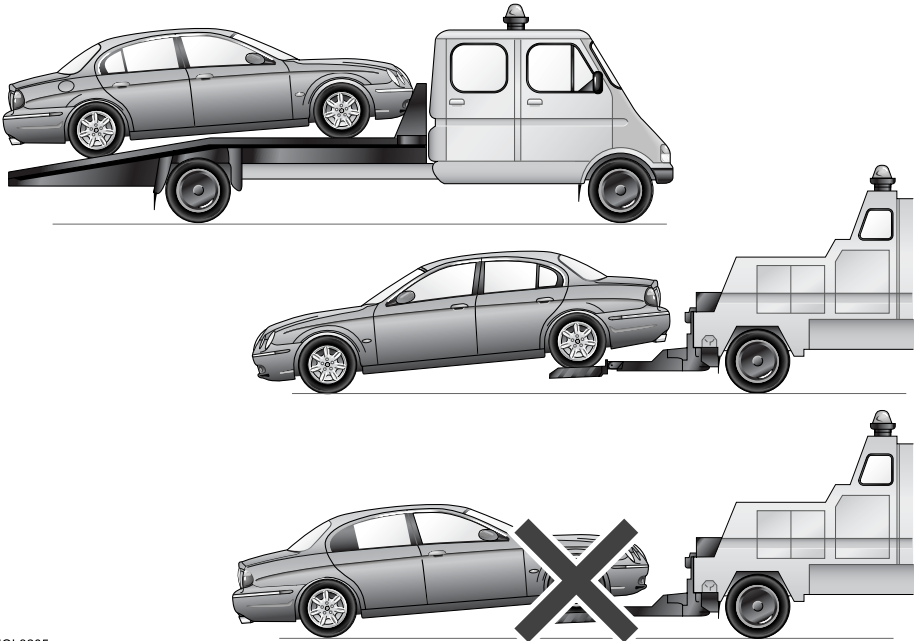
### WARNING:

When the engine is not running the steering and brakes will no longer be power-assisted. Therefore, be prepared for relatively heavy steering and the need for greatly increased brake pedal pressure.

# Vehicle Recovery

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## Transporting



JOL3205

If the vehicle is being transported on a trailer or vehicle flat bed transporter, the parkbrake must be applied, the wheels chocked and the gear selector lever moved to position **N** or **D** but **NEVER** to **P**.

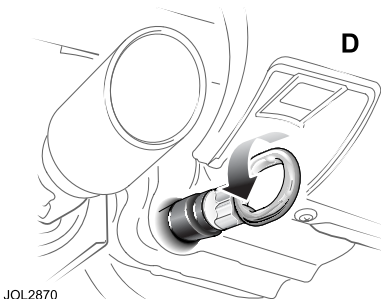
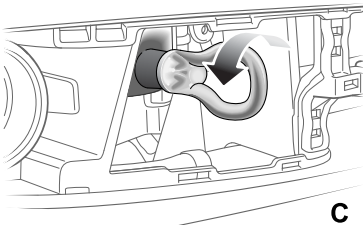
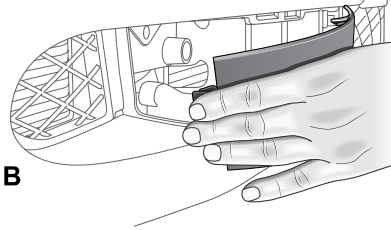
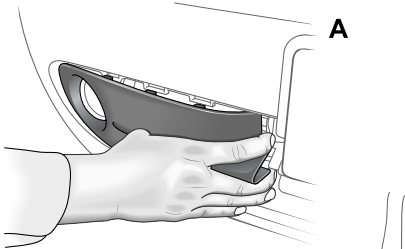
The vehicle must be securely tied down to the transporter or trailer. Use straps on the front wheels/tires to secure the vehicle for transportation.

The towing eye is not designed for securing the vehicle during transportation.



# Vehicle Recovery

## TOWING EYE



JOL2870

A screw-in towing eye is provided in the luggage compartment with the jack and can be fitted to the front or rear of the vehicle. The towing eye has a left-hand thread and must be screwed in an anti-clockwise direction when fitting.

### Caution:

- The towing eye is not suitable for solid bar towing.
- Care must be taken to avoid damaging the bumpers and front apron.

### Front tow point

The front towing point is located behind a plastic cover on the left-hand side of the vehicle (as viewed from the front).

To remove the cover (A), press the plastic cover to the left to unclip. Remove the cover.

On R performance vehicles, press the plastic cover (B) to the right to unclip. Remove the cover.

Screw the towing eye into the vehicle, right up to the shoulder, turning anti-clockwise (C).

### Rear tow point (D)



### WARNING:

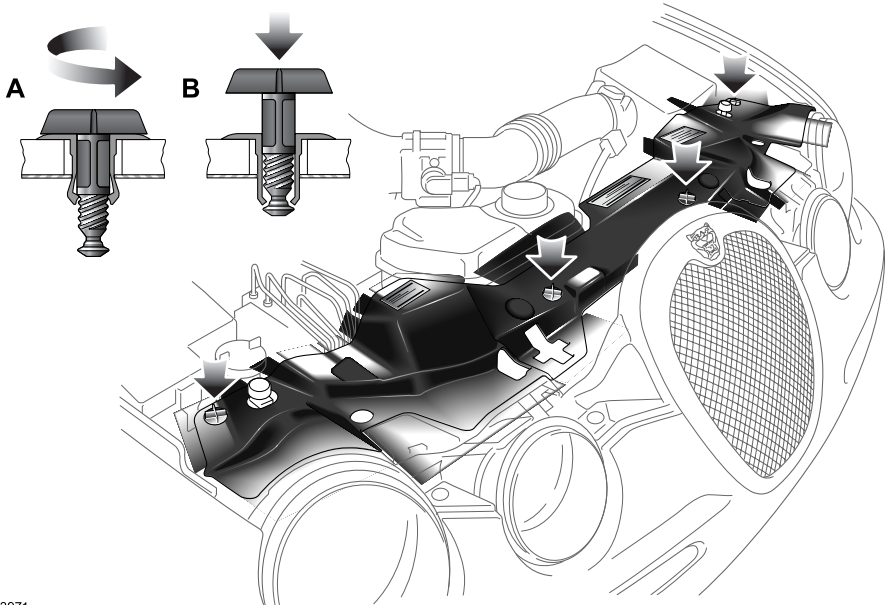
**Avoid body contact with a hot exhaust pipe when fitting the eye to the rear towing point.**

The rear towing point is alongside the left-hand exhaust pipe.

Remove the small cover from the bumper. Remove the bung and screw the towing eye into the vehicle, right up to the shoulder, turning anti-clockwise.

# Bulb Renewal

## OVERVIEW



JOL3971

It is important that only Jaguar bulbs of the type specified are used when renewing bulbs.

Before renewing bulbs, switch off the ignition and light switches.

### Top cover

To gain access to the headlight units, the top cover must be removed.

Turn the fasteners **(A)** approximately one and a half turns anti-clockwise and then remove the top cover.

After changing the defective bulb, refit the cover and push the fasteners **(B)** in place to retain the cover.

# Bulb Renewal

## HEADLIGHT

Halogen bulbs are used in the main beam (inner headlight) positions.

Either halogen bulbs or the optional High Intensity Discharge (HID) Xenon light system are fitted in the dipped beam (outer) headlight positions.

Where HID lighting is fitted, refer to your Dealer if the headlight fails to operate.

**Caution: Halogen bulbs will be damaged if touched by hand or contaminated with oil or grease. It is important to use clean gloves or cloth when handling a bulb which is to be used again. A contaminated bulb may be cleaned with methylated spirit before refitting.**

### Dipped beam (outer) headlight

Open the hood.

Remove the top cover as shown on page 174.

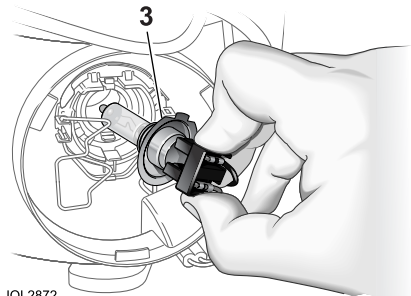
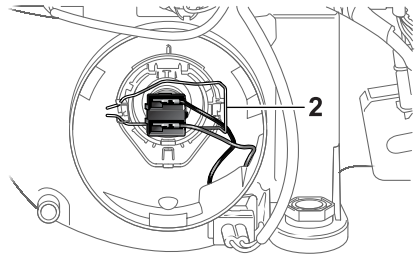
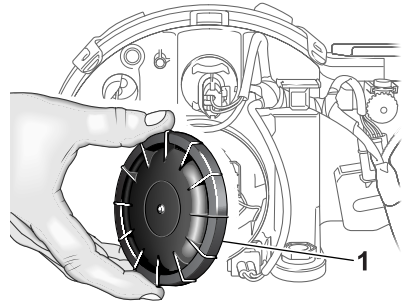
Turn the circular cover (1) anti-clockwise and remove.

Press the spring clip (2) towards the bulb and downwards to release the bulb.

Remove the bulb/connector (3) from the headlight assembly. Pull the connector from the bulb.

Attach the connector to the new bulb, type H7 for dipped beam, and fit to the headlight. The bulb will only correctly fit in one position.

Engage the spring clips to retain the bulb and then fit the circular cover.



JOL2872

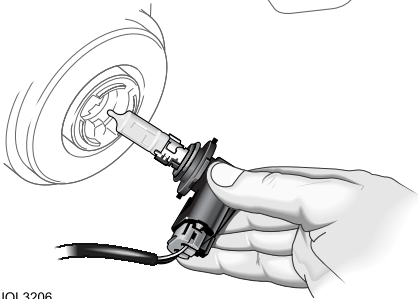
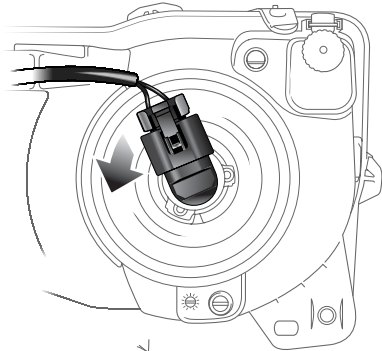
Refit the top cover and close the hood.

It is advisable to have the headlight aim checked by a Jaguar Dealer after bulb renewal.

**Note:** High Intensity Discharge (HID) Xenon light units, type D2S 35W, are not renewable, contact your Jaguar Dealer if the headlight fails to operate.

# Bulb Renewal

## Main beam (inner) headlight



JOL3206

Open the hood.

Remove the top cover as shown on page 174.

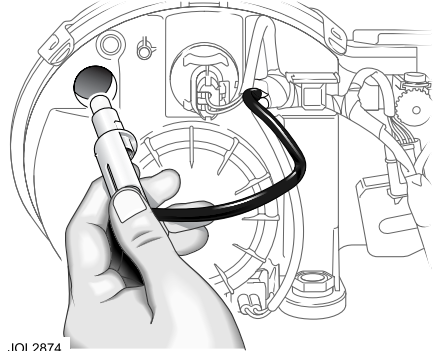
Turn the bulb holder a quarter turn anti-clockwise and remove the bulb and holder from the light unit.

Fit a new bulb to the holder, type HB3 for main beam.

Fit the holder to the light unit, the bulb will only correctly fit in one position.

Refit the top cover and close the hood.

## FRONT PARKING (SIDE) LIGHT



JOL2874

Open the hood.

Remove the top cover as shown on page 174.

The front parking lights are contained within the outer headlight units.

Rotate the bulb holder anti-clockwise and remove from the headlight.

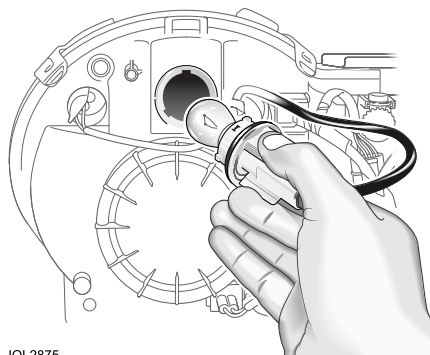
Pull the capless bulb from the holder and fit a new one of the correct type, W5W.

Reposition the bulb holder in the headlight unit and turn clockwise.

Refit the top cover and close the hood.

# Bulb Renewal

## FRONT DIRECTION INDICATOR



JOL2875

Remove the top cover as shown on page 174.

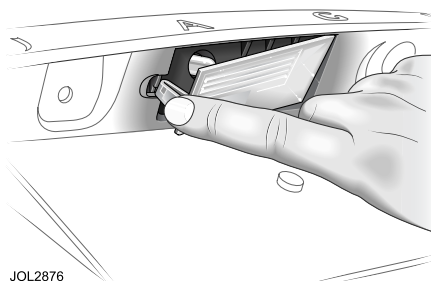
The bulb is contained within the outer headlight. Turn the holder a quarter turn anti-clockwise and remove the bulb and holder.

Remove the bulb and fit a new one of the correct type, PY21W.

Fit the holder to the light unit, it will only fit in one position.

Refit the top cover and close the hood.

## NUMBER PLATE LIGHT



JOL2876

Push the lens clip sideways and remove the lens from the vehicle.

Remove the bulb and fit a new one of the correct type, W5W.

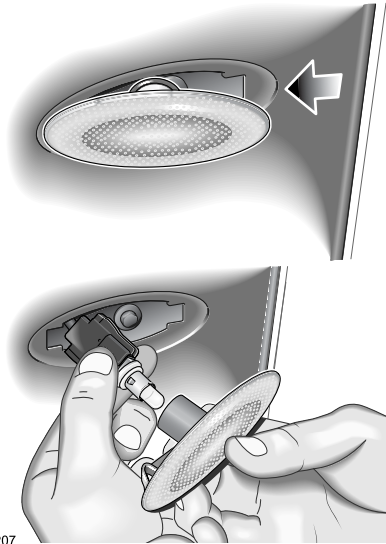
Refit the lens by pressing it firmly into the recess until it clicks into place.

## FRONT FOG LIGHT

It is recommended that the front fog light bulb is renewed by a Jaguar Dealer.

# Bulb Renewal

## SIDE REPEATER INDICATOR



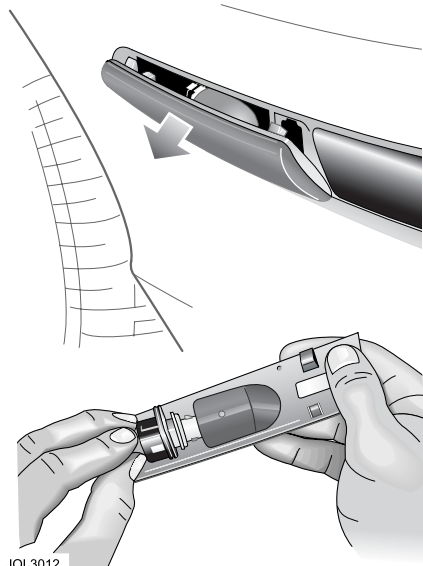
JOL3207

Remove the light unit from the front wing panel by pressing the unit forwards or rearwards to compress the spring clip and remove the complete unit.

Twist the bulb anti-clockwise and remove.

Fit a new bulb of the correct type, W5W.  
Press the unit into the recess until it clicks into place.

## SIDE MARKER



JOL3012

Remove the light unit by pressing the lens downwards to compress the spring clips. Gently ease the top of the lens from the bumper and remove the complete unit.

Twist the bulb holder anti-clockwise and remove the holder and bulb from the lens.

Fit a new bulb of the correct type, W5W.

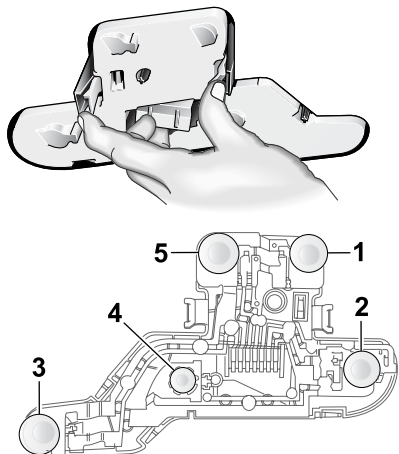
Refit the bulb holder, complete with bulb, to the lens unit.

Press the unit into the recess until it clicks into place.

# Bulb Renewal

---

## REAR LIGHT ASSEMBLY



JOL3261

The rear light assembly has the following bulbs:

1. Reverse light, type P21W.
2. Stop/tail light, type P21/4W.
3. Fog light, type P21W.
4. Tail light, type R5W.
5. Direction indicator, type PY21W.

Ensure that the lights and ignition switch are OFF before removing any bulbs.

Open the luggage compartment, release the side carpet retaining clip and unclip the rear light bulb carrier.

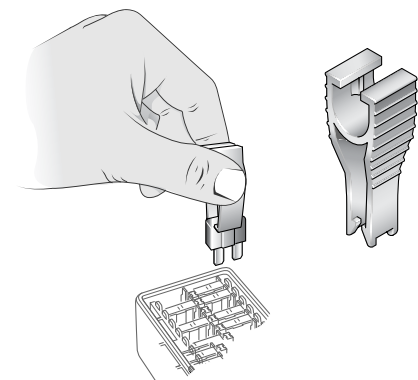
Remove the faulty bulb and fit a new one of the correct type, as illustrated on the bulb holder. Fitment of the correct type is essential.

Refit the bulb carrier assembly, ensuring that the clips are correctly secured.

Refit the carpet.

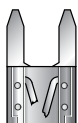
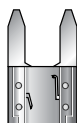
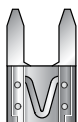
# Fuses

## FUSES



**A**

**B**



JOL3208

Fuse failure is identified by an inoperative circuit.

Do not fit a new fuse if the wiring is damaged; contact a Jaguar Dealer. After renewing a fuse have the circuit checked by a Jaguar Dealer.

Two types of fuses are fitted in the fuse boxes, a mini-type (**A**) and a cartridge-type (**B**).

A special tool for removing and replacing mini-fuses is provided in the engine compartment fuse box, together with spare fuses.

Use only the spare fuses supplied. If a spare fuse is used, renew it with a Jaguar approved fuse of the same amperage rating.

## CHECKING AND RENEWING A BLOWN FUSE

It is highly recommended that only the mini-type fuses are replaced by the owner. All other fuses and relays should be replaced by a Jaguar Dealer.

Make sure the new fuse is the correct rating (amperage).

Fuses are colour coded according to the amperage and the rating is also marked on each fuse.

The colour code is as follows:

Tan	5 amp
Brown	7.5 amp
Red	10 amp
Blue	15 amp
Yellow	20 amp
Clear	25 amp
Green	30 amp
Bright Orange	40 amp

## Mini-fuse replacement

Push the tool on to the suspect mini-fuse and withdraw it.

If the wire in the fuse is broken, the fuse has blown.

Fit a new fuse using the tool.



# Fuses

## Cartridge fuse replacement

It is advisable to have these fuses changed by a Jaguar Dealer when blown.

Pull the suspected blown fuse from its holder.

If the wire in the fuse is broken, the fuse has blown.

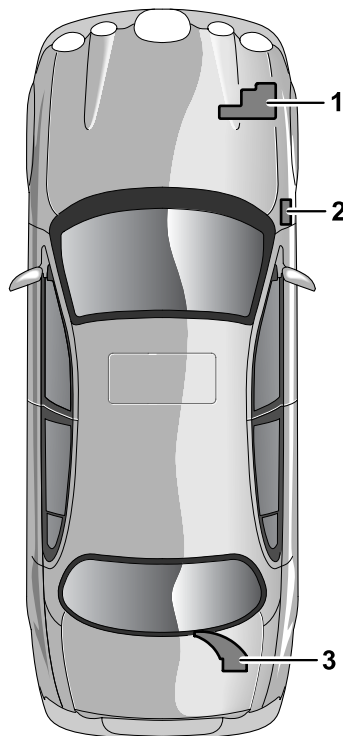
Push a new fuse into the holder.



### WARNING:

- Do not fit a fuse of a different amperage from that removed. The electrical circuits may become overloaded with the subsequent possibility of a fire.
- No attempt should be made to repair a fuse that has blown as this may cause a fire hazard or serious damage elsewhere in the electrical circuit.

## FUSE BOX LOCATIONS



JOL3209

There are three separate fuse boxes fitted to the vehicle, each one containing fuses protecting a different group of circuits.

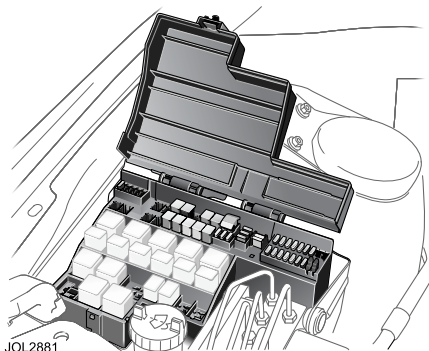
They are located in:

1. The engine compartment.
2. The passenger compartment.
3. The luggage compartment.

**Caution:** When a fuse box lid is removed, take care to protect the box from moisture, and refit the lid at the earliest opportunity.

# Fuses

## Engine compartment fuse box



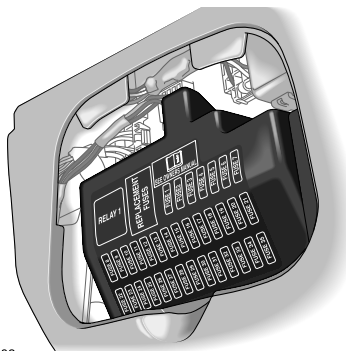
The fuse box is located in the engine compartment on the right-hand side adjacent to the windscreen wash reservoir.

**Caution:** When a fuse box lid is removed, take care to protect the box from moisture, and refit the lid at the earliest opportunity.

Remove the fuse box lid by pressing the retaining lugs and lifting.

When refitting, press the fuse box lid in the area of the retaining lugs until the lid engages.

## Passenger compartment fuse box



The passenger compartment fuse box is located on the right-hand side trim panel in the footwell.

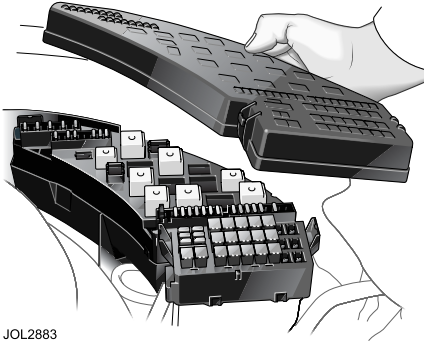
Remove the fuse box lid by pressing the retaining lugs and lifting.

When removing and replacing mini-fuses, use the special tool provided in the engine compartment fuse box lid, together with spare fuses.

When refitting, press the fuse box lid in the area of the retaining lugs until the lid engages.

# Fuses

## Luggage compartment fuse box



JOL2883

A fuse box is located in the luggage compartment, situated forward of the battery.

Fold the luggage compartment floor panel to gain access to the fuse box. Remove the fuse box lid by pulling the retaining clips and pulling the lid upwards.

When removing and replacing mini-fuses, use the special tool provided in the engine compartment fuse box lid, together with spare fuses.

Reposition the lid and press down until the retaining clips engage.

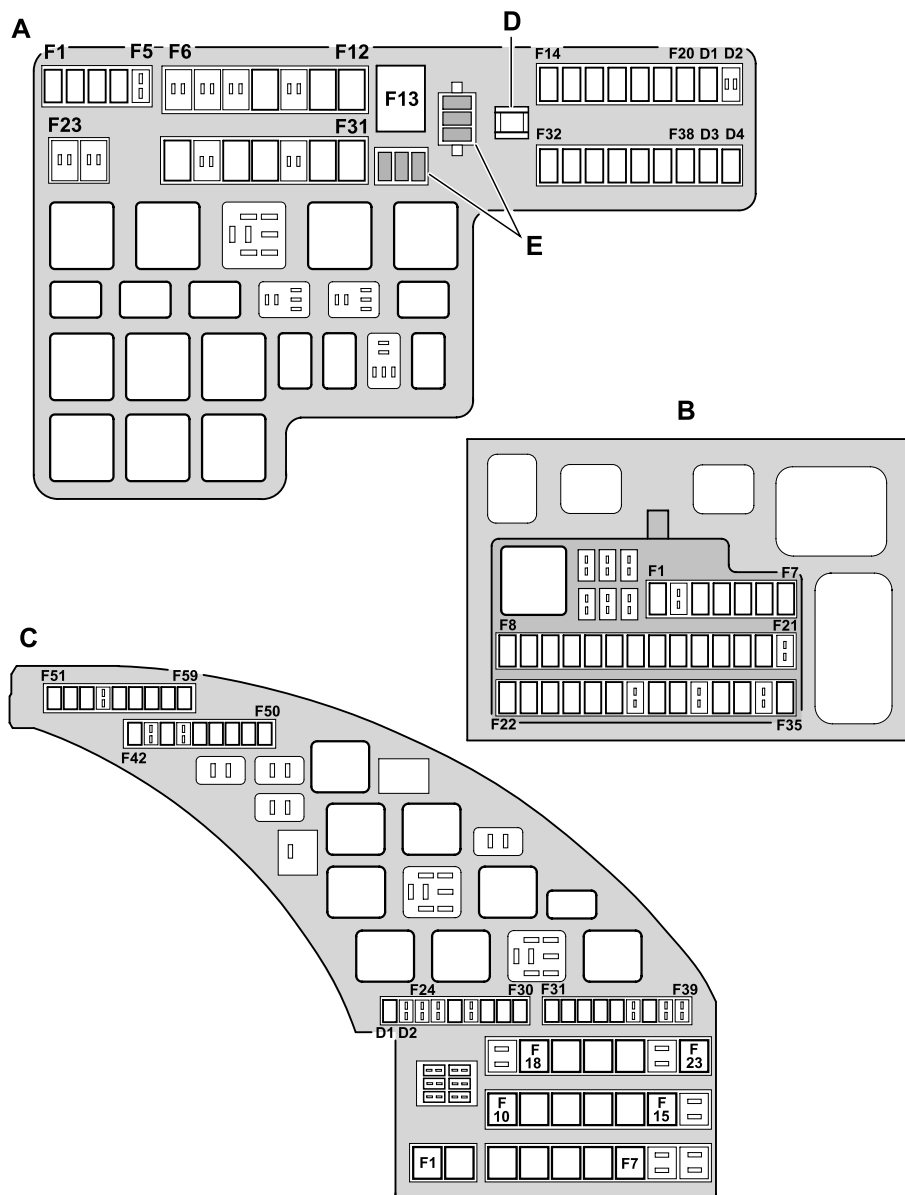
Refit the floor panel.

## FUSE AND RELAY POSITIONS

See illustration on following page:

- A. Engine compartment fuse box.
- B. Passenger compartment fuse box.
- C. Luggage compartment fuse box.
- D. Fuse removal tool.
- E. Spare fuses.

# Fuses



JOL3618

# Fuses

## Engine compartment fuse box

### (A) - fuses

Fuse No	Rating (amps)	Circuit
F1	5A	ABS B+.
F2	5A	Engine management system (EMS) engine control module. Vacuum solenoid.
F3	20A	Auxiliary fuel fired heater.
F4	20A	ABS valves, vbatt.
F5		Not used.
F6		Not used.
F7		Not used.
F8		Not used.
F9	50A	Gasoline HEGO sensors, ignition EMS relays.
F10		Not used.
F11	40A	Headlight powerwash.
F12	20A	Wipers.
F13	80A	Cooling fan.
F14	15A	Right-hand dipped beam high intensity discharge (HID) light.
F15	15A	Front fog light.
F16	15A	Horns.
F17	15A	Fuel injectors.
F18	10A	Engine management ignition supply.
F19	15A	Ignition coil on plugs supply.
F19	10A	Not used.
F20	20A	Right-hand oxygen sensor heaters.
F20	30A	Not used.
F21/ D1	5A	Rain sense module.
F22/ D2		Not used.
F23		Not used.
F24		Not used.
F25	40A	Right-hand windscreen heater.
F26		Not used.
F27	30A	Starter motor solenoid.
F28	30A	ABS pump motor.
F29		Not used.
F30	40A	Left-hand windscreen heater.

# Fuses

Fuse No	Rating (amps)	Circuit
F31	50A	SAI relay.
F32	10A	Air compressor clutch, auxiliary coolant pump.
F33	10A	Engine control module and transmission control module battery supply.
F34	15A	Left-hand dipped beam high intensity discharge (HID) light.
F35	20A	Left-hand oxygen sensor heaters.
F36	15A	Intercooler pump (supercharged model).
F37	10A	Air flow meter, purge valve, inlet manifold tuning valves (V6 only), EGR valve (V8 only), air filter solenoid (V8 S/C only), MAF sensors, VGT, canister close valve.
F38	10A	Engine control module, ignition supply, cooling fan module, air conditioner clutch relay.
D3		Ignition relay.
D4		Not used.

## Passenger compartment fuse box (B) - fuses

Fuse No	Rating (amps)	Circuit
F1	5A	Engine control module/crankshaft sensor.
F2		Not used.
F3	5A	ABS/Dynamic stability control module, ACC module.
F4	5A	Inertia switch, engine management system, fuel pump relay, ignition relay, rear electronics module, instrument cluster, brake pedal, cruise control cancel.
F5	10A	Restraint control module, airbag occupant sensor, passenger airbag de-activation light.
F6	10A	OBDII connector.
F7	5A	Driver's door module, battery backed sounder, security LED.
F8	5A	Front right turn indicator, sidemarker, park, repeater light.
F9	10A	Right-hand dipped beam, left-hand HID relay coil.
F10	5A	Front left turn indicator, sidemarker, park, repeater light.
F11	10A	Left-hand main beam.
F12	15A	Screenwash pump.
F13	5A	Instrument cluster.
F14	10A	Climate control system, two stage adaptive damping control module.

# Fuses

Fuse No	Rating (amps)	Circuit
F15	5A	Ignition switch feed (RUN) to alternator, J-gate, transmission control module.
F16	10A	Passenger/driver heated seat modules, electrochromic mirror, rain sense module, headlight levelling/HID, tire pressure module.
F17	5A	Instrument cluster (airbag warning light, alternator warning light, seat belt chime).
F18	20A	Radio head unit, touch-screen/display unit.
F19	15A	Steering column tilt and reach motors.
F20	10A	Logic supply to instrument cluster, climate control system, front electronic module, rear electronic module, electric parkbrake.
F21		Not used.
F22	10A	Driver's door module battery supply (driver's door mirror, locks).
F23	10A	Right-hand main beam.
F24	5A	Passive anti-theft system.
F25	10A	Left-hand dipped beam, right-hand HID relay coil.
F26	5A	Electric parkbrake switch illumination, AM/FM antenna amplifier, sunblind motor, cigar lighter and power point relay.
F27	10A	Radio head unit, touch-screen/display unit, navigation module, centre console switchpack, voice control, phone transceiver.
F28		Not used.
F29	5A	Reversing aid module, telephone transceiver, front electronic module, voice control.
F30	10A	Front electronic module power.
F31		Not used.
F32	10A	Accessory relay and socket.
F33	10A	Front electronic module (instrument dimming, fuel/luggage compartment switchpack.)
F34		Not used.
F35	5A	Brake on/off switch, bottom of clutch switch.

# Fuses

## Luggage compartment fuse box (C) - fuses

Fuse No	Rating (amps)	Circuit
F1	40A	Passenger compartment fusebox - battery supply.
F2	30A	Cigar lighter and power point relay.
F3	20A	Ignition switch.
F4	20A	Left-hand rear window raise/lower.
F5	20A	Driver's window raise/lower.
F6	20A	Front passenger's window raise/lower.
F7	20A	Right-hand rear window raise/lower.
F8		Not used.
F9		Not used.
F10	30A	Blower motor.
F11	20A	Passenger seat.
F12	30A	Switch system power 1 relay.
F13	30A	Switch system power 2 relay.
F14	30A	Switch system power 3 relay.
F15	20A	Driver's seat.
F16		Not used.
F17		Not used.
F18	20A	Driver's seat.
F19	20A	Passenger's seat.
F20	30A	Switch system power 4 relay.
F21	30A	Heated rear window, heated mirrors.
F22		Not used.
F23	30A	Fuel pumps.
D1		Fuel pump relay.
D2		Not used.
F24	5A	Tire pressure module.
F25	5A	CD player.
F26	15A	Adaptive damping.
F27		Not used.
F28	30A	Remote audio power amplifier.
F29	10A	Telephone, Navigation.
F30	5A	Alternator sense (V8 S/C only).
F31	20A	Sunroof control module.
F32	10A	Driver's seat.
F33	5A	Transit relay.



# Fuses

Fuse No	Rating (amps)	Circuit
F34	20A	Left/right-hand heater seat module.
F35	30A	Electric parkbrake.
F36		Not used.
F37	10A	Passenger seat.
F38		Not used.
F39		Not used.
F40		Not used.
F41		Not used.
F42	10A	Driver/passenger heated door mirrors.
F43		Not used.
F44	10A	Left-hand rear reverse light, direction indicator, side marker, trailer tow relay and module.
F45		Not used.
F46	10A	Luggage compartment lid and interior lights, fuel filler flap solenoid.
F47	15A	Rear electronic module, fuel pump driver.
F48	10A	Right-hand rear reverse light, direction indicator, side marker, number plate light.
F49	15A	Secondary fuel pump module (S/C only).
F50	5A	Transit relay.
F51	5A	ACC.
F52	5A	Electric parkbrake.
F53	10A	Right-hand rear stop, tail and fog lights, high mounted stop light.
F54		Not used.
F55	10A	Footwell lights, roof courtesy lights, map lights, visor light, puddle light, glove compartment light, garage door opener.
F56	15A	Cigar lighter.
F57	10A	Left-hand rear stop, tail and fog lights.
F58	20A	Power point.
F59	15A	Rear electronic module, rear and passenger door locks, boot solenoid.

# Fire Extinguisher

## DEALER FITTED FIRE EXTINGUISHER

Many countries make it compulsory to carry a fire extinguisher. Your Jaguar Dealer can supply and fit one.

## FACTORY FITTED FIRE EXTINGUISHER

Mexican vehicles have a factory fitted fire extinguisher which contains 1.1 kg (2.2 lb) of BC powder pressurised with nitrogen to a working pressure of 12 bar (180 psi) at 20°C (68°F).

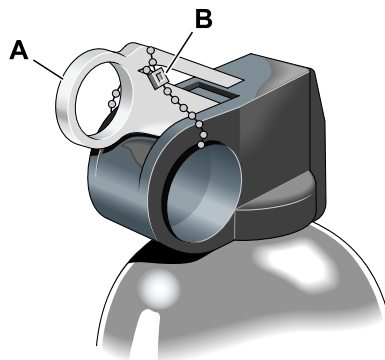
This extinguisher can be used on liquid fires, electrical equipment fires and, if no explosion risk, gasoline fires.



### WARNING:

- Do not test the fire extinguisher prior to use. Partial discharge will render the extinguisher inoperative.
- Do not use the fire extinguisher closer than 2.4 m (8 feet) to the base of a liquid fire as the force may splatter the burning liquid to the surrounding area.

## Operating the fire extinguisher



JOL3026

1. Unclip and remove the extinguisher from the bracket.
2. Put your finger through the yellow safety wedge ring (A) and pull hard to remove the wedge. The operating lever will be exposed.
3. Hold the extinguisher upright and aim at the base of the fire.
4. Press the lever down firmly.
5. Release the lever to stop the flow of powder.

## Maintenance

Every six months:

- Remove the extinguisher from its bracket and check that the nozzle is clear.
- Check that the safety wedge strap (B) is secure.

Check the pressure gauge on the base of the extinguisher. If the gauge is in the red area report it to your Jaguar Dealer immediately as the extinguisher may not work in an emergency.

# General Maintenance

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## INTRODUCTION

Owners are responsible for ensuring that the vehicle is regularly serviced at the correct distance/time intervals as specified in the Maintenance Schedules. The first part of this section deals with regular servicing.

The condition of the tires is of the utmost importance. Advice about tire wear and correct usage is given in this section. If in any doubt about the condition of your tires, contact a Jaguar Dealer.

## REGULAR SERVICING

Each vehicle is given a full Pre-Delivery Inspection to ensure that all systems function correctly and the vehicle meets its specification.

Regular maintenance and servicing is the responsibility of the owner. Failure to implement maintenance at the recommended intervals could result in deterioration of vehicle performance and possible infringement of regulations.

Your Jaguar Dealer will be pleased to arrange periodic servicing in accordance with the Passport to Service or Service Portfolio book.

### Battery/ignition isolator switches

Non-approved battery isolator switches, which disconnect the power supply to all electrical circuits, are not recommended.

## USED ENGINE OIL



### WARNING:

Prolonged and repeated contact may cause serious skin disorders, including dermatitis and cancer.

Always use a hand cream to protect the skin from oil contamination. Avoid contact with the skin as far as possible and wash thoroughly after any contact. Keep oils out of reach of children.

## PROTECT THE ENVIRONMENT

Care should be taken at all times to avoid polluting the environment. Used materials, e.g. batteries, tires, fluids and filters, should be disposed of at suitable disposal facilities in accordance with local legislation. If in doubt, clarification should be sought from your local authority/regulator.

## ENGINE AND THROTTLE SETTINGS

Do not attempt to make adjustments to the engine or throttle settings. Many vehicle systems are controlled by complex electronic devices and require specialist knowledge. Such work should be entrusted to a Jaguar Dealer.

## HYDRAULIC FLUID

The brake hydraulic fluid in the master cylinder and brake operating system uses Shell DOT4 ESL or a low viscosity DOT 4 brake fluid that meets ISO 4925 class 6 requirements.

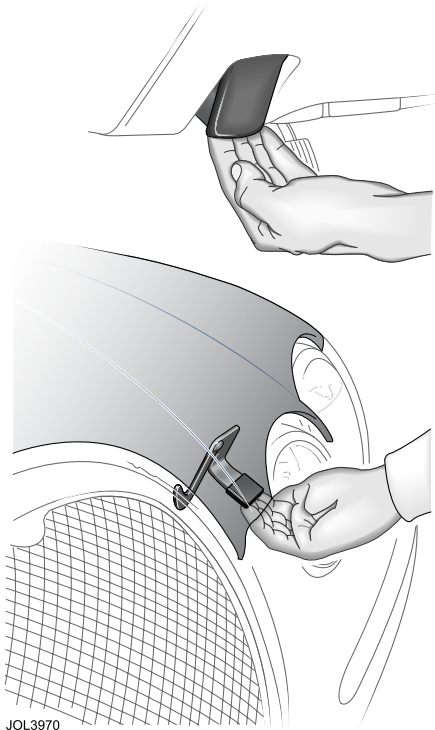


### WARNING:

Contamination of the brake system fluid by as little as 1% will cause rapid deterioration of the system seals. Ensure that the brake fluid reservoir cap is securely fitted.

# Hood Release

## OPERATION



Lift the hood slightly and pull up the safety catch under the hood, located to the right of the grille. The gas filled struts will assist raising the hood, and retain it in the fully open position.

**To close the hood**



### **WARNING:**

**Before closing the hood ensure that no one is obstructing the closing area and that hands and clothes are clear. Remove tools, cleaning cloths, etc., from the engine compartment.**

Close the hood to within a distance of 30 cm to 35 cm (12 to 14 inches) of the fully closed position, then let go to allow the hood to shut.

**Caution: Do not press downward on the top of the hood to close it, especially within the final inches of closing, as this may damage the hood.**

To check that the hood is closed, pull the hood upwards to ensure that both the right-hand and left-hand latches are engaged.

**To open the hood**



### **WARNING:**

**Take care to keep away from rotating components if the engine is running when you open the hood.**

Release the hood lock by pulling the lever below the fascia on the driver's side of the vehicle.

# Regular Checks

---

## CHECK INTERVALS

In the interests of safety and reliability, it is advisable to carry out the following checks at the recommended intervals, and always before starting on a long journey.

### Daily

Check that there is sufficient fuel for the journey intended, particularly at night and before entering motorways.

### Weekly

**Tires** - Check the tires, including the spare, for condition and pressure.

**Lights** - Check that all exterior lights and direction indicators function correctly and that the lenses are clean.

**Engine oil** - With the vehicle standing on level ground, check the oil level and top up if necessary with oil of the correct grade.

**Engine coolant** - With the engine cold, check the level of the coolant in the coolant reservoir header tank. Any loss of fluid must be checked by a Jaguar Dealer.

**Brake and clutch fluid** - Check the level of the fluid in the brake fluid reservoir. Top up if necessary with new, unused Jaguar approved brake fluid.

The reservoir is initially nearly full, but the level will drop as the brake pads wear. If the level appears unusually low, location of the fluid leakage must be checked by a Jaguar Dealer.

**Power steering fluid** - With the engine cold check the level of the fluid in the power steering fluid reservoir. Top up if necessary with fluid of the correct specification. Any loss of fluid should be checked by a Jaguar Dealer.

**Windscreen washer fluid** - Top up with recommended windscreen washer fluid and clean soft water. Check the operation of the washer. Use Jaguar Windscreen Washer Fluid to keep the glass clean and also to prevent the fluid from freezing during cold weather.

### Monthly

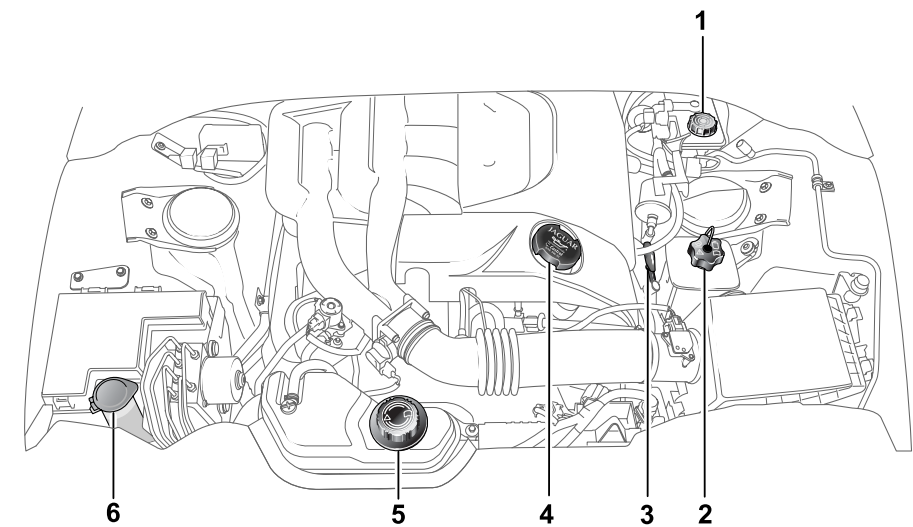
**Wiper blades** - Check the quality of the wipe. If smearing or juddering is evident, clean the windscreen and renew the wiper blades.

### Transmission and rear axle

The rear axle (final drive unit) and automatic and manual transmission units (gearboxes) will not normally require to be checked or topped up, they are fill for life, levels, which should be checked by a Jaguar Dealer.

# Regular Checks

## RESERVOIR AND DIPSTICK LOCATIONS: V6 ENGINE



JOL3228

1. Brake/clutch reservoir.

2. Power steering reservoir.

3. Engine oil dipstick.
4. Engine oil filler.

5. Coolant reservoir.

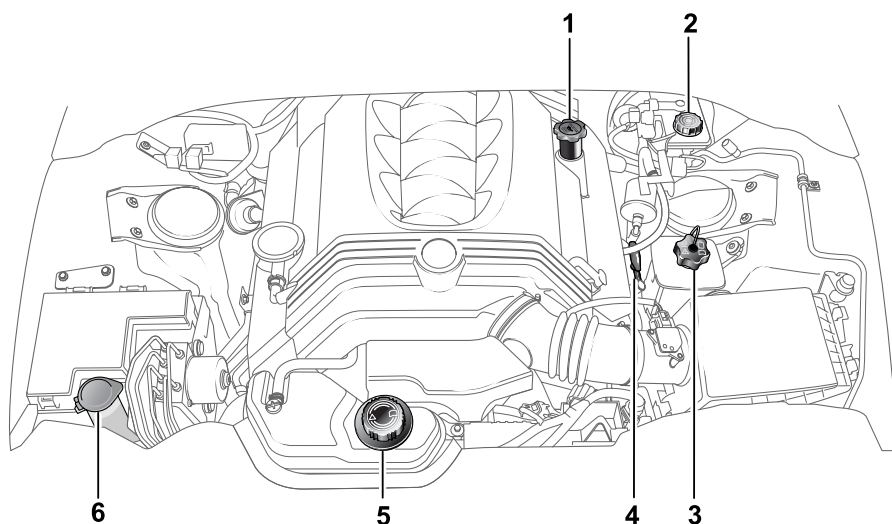
6. Windscreen wash reservoir.

### Capacities

	Litres	US Quarts
Engine oil, including oil filter.	6.5	6.9
Cooling system, including reservoir and climate control.	10.4	11.0
Windscreen washer reservoir:		
Without headlight power wash.	3.8	4.0
With headlight power wash.	6.6	7.0

# Regular Checks

## RESERVOIR AND DIPSTICK LOCATIONS: V8 ENGINE



JOL3229

- |                              |                               |
|------------------------------|-------------------------------|
| 1. Engine oil filler.        | 4. Engine oil dipstick.       |
| 2. Brake/clutch reservoir.   | 5. Coolant reservoir.         |
| 3. Power steering reservoir. | 6. Windscreen wash reservoir. |

### Capacities

	Litres	US Quarts
Naturally aspirated - engine oil, including oil filter.	6.0	6.3
Supercharged - engine oil, including oil filter.	6.8	7.2
Cooling system, including reservoir and climate control.	10.0	10.6
Windscreen washer reservoir:		
Without headlight power wash.	3.8	8.5
With headlight power wash.	6.6	7.0

# Checking and Top-up

## CHECK ENGINE OIL LEVEL

The oil consumption of your engine is influenced by many factors: new engines reach the normal value only after approximately 5 000 km (3 000 miles). Under high loads your engine will also consume more oil.

Check the oil level regularly with the vehicle on flat, level ground.

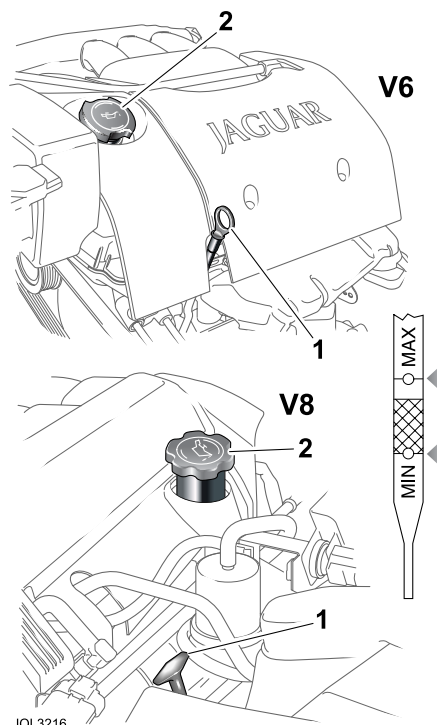
Refer to pages 194, 195 for dipstick and oil filler locations.

It is preferable to check the oil level after the vehicle has been standing, that is, with the engine completely cold.

If the engine has been started do not check the oil level until the engine has reached normal operating temperature. Stop the engine and wait for a minimum of five minutes to allow the oil to drain back into the sump.

**Caution: Do not use oil additives of any type. Use only specified lubricants.**

## Gasoline engine oil level



Remove the dipstick (1) and wipe clean with a non-fluffy cloth. Replace fully, then withdraw the dipstick. If the oil level is above the lower of the two dots on the dipstick then no additional oil is required.

If the oil level reaches the lower of the two dots, remove the oil filler cap (2) and add oil, to the quantity and specification shown in 'Recommended Engine Oil' on page 197.

Refit the dipstick and filler cap and securely tighten the filler cap by hand.



# Checking and Top-up

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## RECOMMENDED ENGINE OIL

Jaguar recommends  **Castrol**

When the oil level is at the lower dipstick mark, add 1litres (1.1 US quart) of oil.

### Oil specification – Gasoline engine



API SL/EC and ILSAC GF-3.

When topping up between oil changes, make sure that you use oil that has the correct quality level (API

service) and viscosity grade.

**Caution: Your vehicle's warranty may be invalidated if damage is caused by use of improper engine oil. Low quality or obsolete oils do NOT provide the protection required by modern, high performance engines.**

Failure to use an oil that meets the required specification could cause excessive engine wear, a build up of sludge and deposits, and increase pollution. It could also lead to engine failure.

## SAE VISCOSITY RATING

For climates ranging from  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ) to  $+50^{\circ}\text{C}$  ( $+122^{\circ}\text{F}$ ), the following oil viscosities may be used:

0W-30

5W-30 (preferred)

0W-40

5W-40

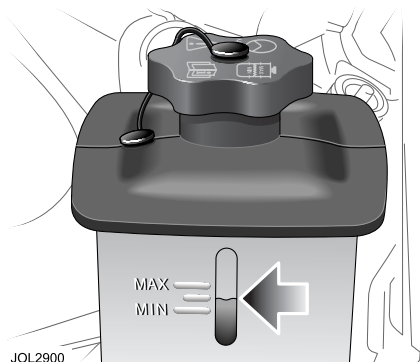
**Note:** For maximum fuel economy, 5w-30 oil is recommended.

*It is recommended that the oil level is topped up using oil of the same viscosity. If you are unsure which oil viscosity is used in your vehicle, your Jaguar Dealer will be able to advise.*

If you are operating this vehicle in climates outside the above temperature range, contact your Jaguar Dealer for advice.

# Checking and Top-up

## CHECK POWER STEERING FLUID LEVEL



**Caution:** It is imperative that the power steering system does not become contaminated in any way. Always dispense fluid from a fresh sealed container and clean the area around the reservoir neck both before and after topping up. Never return drained fluid to the system.

Refer to pages 194, 195 for power steering fluid reservoir location.

Check the fluid level when the engine is COLD and the vehicle is on a flat, level surface.

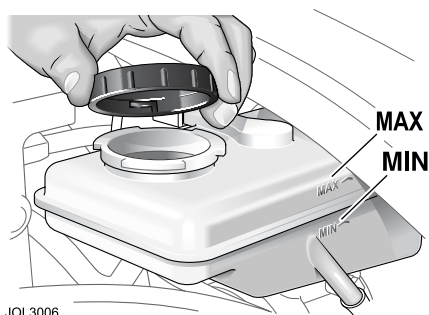
Wipe clean and remove the filler cap from the reservoir; take great care to prevent any foreign matter from entering.

Check that the fluid level is between the marks on the dipstick or between the **MAX/MIN** indications on the outside of the transparent reservoir.

If necessary, top up with DEXTRON III power steering fluid, DO NOT OVERFILL. Refit the filler cap.

Should the level be very low, report the loss of fluid to the nearest Jaguar Dealer.

## CHECK BRAKE/CLUTCH FLUID RESERVOIR



The manual transmission clutch fluid is shared with the brake fluid in a common reservoir. Refer to pages 194, 195 for brake/clutch fluid reservoir location.

**Caution:**

- While handling brake fluid, take extreme care; brake fluid must not contact the vehicle paintwork.
- Always use fresh, clean fluid from a new container. Never introduce used brake fluid into the system.

The fluid is visible through the translucent casing of the reservoir and must be maintained at the **MAX** mark.



**WARNING:**

**The fluid level will drop as the brake pads wear. If the level is very low report the loss of fluid to the nearest Jaguar Dealer. Do not drive the vehicle until the cause is rectified.**

If necessary, top up as follows.

Before removing the cap, clean the reservoir and cap thoroughly with a non-fluffy cloth to ensure that no foreign matter enters the reservoir.

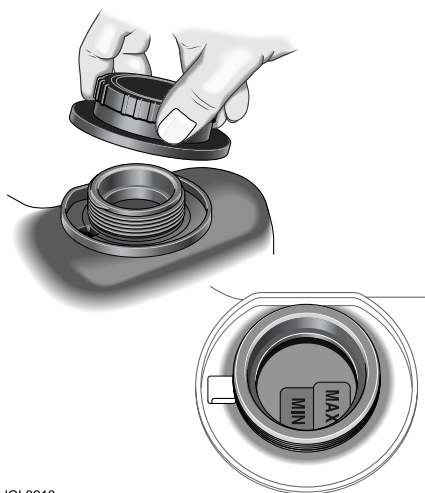
# Checking and Top-up

Unscrew the filler cap and top up to the **MAX** level. Use Shell DOT4 ESL or a low viscosity DOT 4 brake fluid that meets ISO 4925 class 6 requirements.

Refit the filler cap securely.

To avoid contamination should any brake fluid be spilt, replace the cap on the reservoir before cleaning the spilt fluid from the vehicle.

## CHECK COOLANT LEVEL



JOL3213



### WARNING:

Do not remove the coolant header tank filler/pressure cap while the engine is hot. If the cap must be removed, protect the hands against escaping steam and slowly turn the cap anti-clockwise until the steam pressure starts to escape. Leave the cap in this position until the pressure is released, and then remove the cap completely.

Refer to pages 194, 195 for coolant header tank location.

The coolant level **MAX** and **MIN** indicators are located inside the reservoir and are only visible when looking into the filler neck with the cap removed.

Check the level only when the engine is cold. The coolant level should be between the **MAX** and **MIN** indicators. If persistent coolant loss is noticed, have a Jaguar Dealer investigate the cause immediately.

## Topping up



### WARNING:

- Do not allow anti-freeze to make contact with skin or eyes. If this should happen, rinse the affected area immediately with plenty of water.
- Coolant fluid is toxic and in concentrated form is flammable. Be sure to observe all warnings indicated on the container.

**Caution:** Anti-freeze will damage paintwork. Avoid spillage.

Top up with a mixture of 50% water and 50% anti-freeze until the coolant is between the **MAX** and **MIN** indicators inside the header tank. Use anti-freeze to specification WSS M97B44, coloured orange, Extended Life Coolant.

Refit the filler cap and hand-tighten securely until the ratchet operates.

## Engine anti-freeze

When used at the correct concentration, anti-freeze not only protects the engine from frost damage in winter, it also provides all year round protection against internal corrosion.

# Checking and Top-up

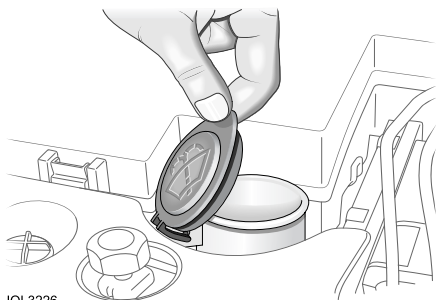
The cooling system should always be topped up or refilled with the specified anti-freeze at the correct concentration.

This 50/50% mixture gives frost protection for temperatures down to  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ).

Do not mix any other anti-freeze with that specified; inferior quality anti-freeze may be ineffective in maintaining adequate frost and corrosion protection to the cooling system.

The coolant solution may remain in the cooling system for five years or 250 000 km (156 000 miles) after which the system should be drained, flushed and refilled.

## CHECK WINDSCREEN/HEADLIGHT WASHER RESERVOIR



JOL3226

Refer to pages 194, 195, for windscreen washer reservoir location.

The washer reservoir contains the fluid for the windscreen washers and the headlight powerwash system (where fitted).

Fill to just below the neck with Jaguar Windscreen Washer Fluid diluted with clean, preferably soft water as specified in the instructions on the bottle. Do not over fill.

Using a non-approved fluid may adversely affect the wiper blade rubber, resulting in ineffectual and noisy wiping.

### Cold weather precautions

To prevent damage to the pump during freezing conditions, use Jaguar Windscreen Washer Fluid at the strength shown on the bottle, for the anticipated ambient temperature.



#### WARNING:

- Windscreen washer fluid is toxic and in concentrated form is flammable. Be sure to observe all warnings indicated on the washer solution container.
- Under no circumstances must cooling system anti-freeze be used, since this will damage the paintwork.

# Battery

## BATTERY WARNING SYMBOLS

There is a label on the battery depicting a number of warning symbols. The battery warning symbols are as follows:



No smoking, no naked flames, no sparks (Red)



Keep away from children (Red)



Shield eyes (Blue)



Battery acid (Yellow)



Explosive gas (Yellow)

## BATTERY CARE

A low maintenance battery specifically designed for use with this vehicle is fitted in the luggage compartment.

In hot climates more frequent checks of the battery electrolyte are required. If necessary, the battery cells can be topped up with distilled water.



### WARNING:

- Do not connect any 12 volt equipment, (for example, a 12 volt lead lamp), directly to the battery terminals. Use the cigar lighter sockets for temporarily connecting Jaguar approved accessories.
- The cell plugs and vent pipe must be in place at all times when the battery is in the vehicle. Failure to fit, or incorrect fitting of these items is potentially hazardous. Ensure vent pipe is free from kinks or damage.
- To avoid injury do not use an open flame or cause an electric spark when checking the battery. Hydrogen gas generated by the battery is flammable and may explode.
- Do not let battery acid electrolyte come into contact with skin or eyes. If you get any in your eyes or on your skin, immediately rinse with cold water and consult a doctor.
- Never charge or boost a frozen battery.
- Switch off ignition before disconnecting battery terminals. Always disconnect the earth terminal first and reconnect last.
- Do not let battery acid come into contact with painted surfaces or fabric.
- California Proposition 65: Battery posts, terminals and related accessories, contain lead and lead compounds. Wash hands after handling.

# Battery

The exterior of the battery should be occasionally wiped clean to remove any dirt or grease.

If a new battery is to be fitted, it must be the same type as the original.

The use of unapproved batteries is not recommended and could invalidate the vehicle warranty.

**Note:** *The service life of the battery is dependent on its condition of charge. It must always be sufficiently charged for the battery to last an optimum length of time.*

We recommend that the battery charge is checked frequently if the vehicle is used mostly for short distance trips, or if it is not used for long periods of time.

## BATTERY CHARGING



### WARNING:

Batteries produce combustible gas (hydrogen) when being charged. The battery must be removed from the vehicle before charging commences.

To disconnect the battery, refer to Battery lead disconnection see page 202.

When charging the battery ensure that the charger type and setting is appropriate for the vehicle battery.

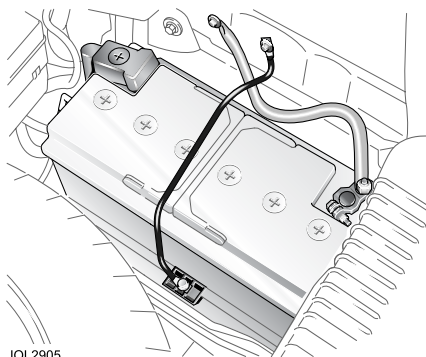
Switch off the charger before connecting or disconnecting terminal connections to avoid sparks and short circuits.

Ensure that the charger positive (+) lead is connected to the positive (+) terminal of the battery and the negative (-) lead is connected to the negative (-) terminal of the battery.

Do not remove or loosen any of the cell plugs when charging the battery.

Check, and if necessary replenish, the electrolyte level when the battery is fully charged.

## Battery lead disconnection



### Caution:

- Under no circumstances should a battery be disconnected whilst the ignition circuit is live, as permanent damage to the instrument cluster may occur.
- Disconnect the negative lead (earth terminal) first.

Fold the luggage compartment floor panel forwards.

Slacken the negative lead pinch bolt and disconnect the negative (-) battery lead. Slacken the positive lead pinch bolt and disconnect the positive (+) battery lead.

Clean the battery posts and coat the post bases with petroleum jelly.

## Battery lead connection

**Note:** *Upon battery reconnection the security system will be armed. Opening any protected entry will sound the alarm. Make sure that a key or key transmitter is available.*

# Battery

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## **Caution: Do not overtighten the pinch bolts.**

Connect the positive (+) lead, tighten the pinch bolt and clip the positive terminal cover on the battery. Connect the negative (-) lead and tighten the pinch bolt.

After the battery has been reconnected and the ignition switch is turned to position **II**, the message centre display, if fitted, will initially show an erroneous reading i.e. -----. This will remain until after the bulb check sequence, when the correct recorded odometer reading will be displayed. This is a normal function of the instrument cluster.

## **After battery reconnection**

After reconnecting the battery:

- Reset the electric parkbrake; see page 134.
- Reset the electrically operated windows anti-trap function; see page 89.
- The trip computer will lose all recorded trip data and all trip functions will be reset to zero. The vehicle total odometer reading is retained.
- The radio will not operate until the correct security code has been re-entered. Refer to the audio systems handbook or touch-screen display handbook.
- If the battery is disconnected for more than 72 hours the radio preset channels will need to be reset.
- Reset the clock to the correct time.
- Recalibrate the seat memory positions; see page 80.

The engine electronic control system automatically adapts to certain characteristics of the vehicle. When the battery is disconnected, these adaptations are lost.

On reconnection, therefore, some slightly abnormal drive symptoms may occur and the vehicle may need to be driven 10 miles (16 kilometres) or more while the control system re-adapts.

## **GENERATOR**

To prevent damage to the generator, do not run the engine while the battery or any of the charging circuit cables are disconnected.

The generator has polarity-sensitive components that may be irreparably damaged if subjected to incorrect polarity. Ensure that the battery ground lead is always connected to the battery negative terminal.

# Wiper Blades

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## MAINTENANCE

Use Jaguar Screen Clean Paste to remove contamination from the windscreen to ensure effective wiping or if smearing or juddering becomes evident. A more aggressive cleaning agent may be required to remove stubborn contamination. Contact a Jaguar Dealer for advice.

To ensure that the windscreen remains smear free, the washer system should be operated whenever the wiper is used, even when it is raining.

### **Windscreen wiper blades – inspect and clean**

Lift the wiper blades clear of the windscreen and wipe the blades with a clean, soft cloth moistened with water to which a mild liquid detergent has been added.

### **Windscreen washers**

The windscreen washer jets are mounted on the wiper arms.

**Note:** *The windscreen wiper jets and headlight washer jets are not adjustable.*



# Vehicle Care

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## INTERIOR CARE

Brush and clean the interior regularly. Use a vacuum cleaner where possible to remove all dust from the interior and trim.

### Valet kit

A valet kit containing a selection of Car Care products is available from the Jaguar accessory range.

### Carpets

Marks or stains can be removed by gentle scrubbing with a weak solution of soap and warm water.

For more stubborn stains a commercially available carpet cleaner should be used. See your Jaguar Dealer for advice.

### Headlining

Remove dust in the headlining with a vacuum cleaner. To remove stains, dab gently without pressing, using a fluff-free white cloth, moistened with Jaguar Upholstery Cleaner.

Do not use methylated spirit or solvents as this may cause damage or discoloration to the headlining.

### Leather upholstery

Refer to page 37 for detailed information on leather upholstery care.

### Cloth upholstery

Weekly light vacuuming can extend the life of the fabric.

Using Jaguar Upholstery Cleaner, following the instructions, will preserve and enhance cloth upholstery. Test the upholstery cleaner solution on an unseen part of the seat. Do not over wet.

### Caution:

- **Never use soap, ammonia, bleach or other cleaners intended for use on hard surfaces.**
- **Do not use upholstery cleaner on electrical equipment such as fascia switches.**
- **When cleaning around electrical equipment such as switches, ensure that fluids do not leak into any gaps around the components or between panels or trim.**

### Removing stains

Most stains on woollen fabric can be removed if treatment is carried out immediately, before the stain has a chance to dry-in.

Keep the necessary cleaning materials in a convenient place.

Most stains can be treated with one of three cleaning fluids: Jaguar Upholstery Cleaner, dry cleaning fluid or clean water.

Mop up excess liquid with absorbent tissue (preferably white) or absorbent cloth; scoop up dry solids. Work inwards from the edge of the stain to prevent spreading. Use small amounts of cleaning liquid, blotting between applications.

Work slowly and thoroughly using light pressure. If the stain cannot be removed, contact a reputable dry cleaners.

**Note:** *All the cleaning materials mentioned in this section are available from the Jaguar Accessory Range.*



### WARNING:

**Dry cleaning fluids may be toxic or flammable. Take adequate precautions when handling these products.**

# Vehicle Care

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## EXTERIOR CARE

### Washing

For best results, do not wash the vehicle under strong sunlight. Always allow the vehicle to cool down before washing.

Do not use a dry cloth to wipe dirty paintwork. Dust and gritty substances are abrasive and will scratch the paintwork. Remove dirt using a cellulose sponge and plenty of warm (never hot) water. Rinse off with clean water and dry using a clean, damp chamois leather.

Do not use household soaps or detergents. The use of Jaguar Vehicle Shampoo is recommended.

Do not direct hoses at full force around door and luggage compartment seals. Using high pressure water jets on the paintwork is not recommended.

Do not allow bird droppings or tree sap to harden. Remove from paintwork immediately with a lukewarm soap and water solution.

In winter, when salt is used on the roads, wash the vehicle frequently, and immediately after encountering such conditions. Clean undersides and wheel arches using a high pressure jet.

### Automatic car wash

**Note:** Regular use of automatic car washes tends to dull the lustre of the paintwork.

After leaving the car wash, switch on the windscreen wiper immediately to remove water and prevent a build up of wax. Jaguar Screen Clean Paste can be used to clean any residual wax from the glass.

### Removing grease or tar

Remove grease or tar with Jaguar Tar Remover or methylated spirit (alcohol). White spirit is also effective, but must not be applied to rubber, particularly the windscreen wiper blades.

### Glass surfaces

To avoid scratching glass surfaces, do not clean dirty glass with dry paper or cloth. Use clean, warm water and a chamois leather which is reserved for glass only.

The following products will ensure glass surfaces and windscreen wipers are kept in good condition:

Jaguar Screen Clean Paste – Apply to the exterior of the windscreen only to ensure effective operation of the windscreen wiper.

Jaguar Glass Cleaner – Interior and exterior of all other glass surfaces.

Jaguar Screen Wash – Washer reservoir additive.

Jaguar Winter Care Kit comprising de-icer, ice scraper, anti-mist wipe cloth and aerial cleaner – for use in adverse weather conditions.

### Note:

- *Renew the wiper blades when worn to prevent scratching. Clean the rubber wiper blades regularly with a mild detergent solution.*
- *It is advisable to clean the windscreen with Jaguar Screen Clean Paste at regular intervals.*

# Vehicle Care

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## **Cleaning the rear screen**

To avoid damaging the heating and radio elements when cleaning the inside of the rear screen use only a soft damp cloth or chamois leather. Do not use solvents or sharp objects to clean the glass.

## **Polishing paintwork and brightwork**

For maximum protection against road dust, salts, industrial fall-out etc., it is recommended that the vehicle is polished regularly using Jaguar Polish and a Polishing Cloth.

***Note:** The vehicle's brightwork should be cleaned in the same way as the paintwork: Chrome polish or other abrasive cleaners must not be used.*

## **Paint chips**

Scratches and chips should be touched in before weathering action begins. Inspect the paintwork immediately after the vehicle has been washed.

## **Underhood cleaning**

Underhood cleaning using high pressure hoses or steam cleaners should be done by a Jaguar Dealer. Indiscriminate use of cleaning equipment could damage or contaminate the electronic control modules and fuse boxes.

## **CARE OF ALLOY ROAD WHEELS**

The alloy road wheels are covered with a protective anti-corrosion coating. To prevent corrosion it is essential that this coating is not damaged.

When removing or fitting tires always advise the tire fitter to treat the alloy wheels with great care and to only use equipment with spigot or stud hole clamping. The equipment must not have any moving parts which contact the wheel, and tire levers must not be used.

Wash the wheels with soap and water at two week intervals to avoid an accumulation of particles which could become embedded in the wheel surface. In salty conditions the wheels should be cleaned weekly.

Jaguar acid-free wheel cleaner can be used to remove heavy soiling, however, non-approved acid based cleaners should not be used.

The size of the wheel rims is stamped or cast on all wheels.

# Electrical Accessories

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## PLUG-IN ACCESSORIES



### **WARNING:**

Alterations to the electrical system, including the fitting of accessories not designed for this Jaguar, will cause damage to the electrical circuits and systems. In some circumstances this could result in a malfunction or fire. All accessory work should be entrusted to a Jaguar Dealer.

### **Caution:**

- Under no circumstances must the power supply be obtained directly from either battery terminal.
- The use of non-approved accessories can reduce the battery capacity and charge period to an unacceptable level, therefore, Jaguar cannot accept any liability for the fitment of any such item.

## GROUND CONNECTION POINTS

If an accessory needs to be connected to ground, consult a Jaguar Dealer.

**Caution:** Under no circumstances must holes be drilled in the bodywork to accept ground connection terminals.

# Tire Pressures

## TIRE INFORMATION

Tires of the correct type, manufacture and dimensions, with correct cold inflation pressures are an integral part of every vehicle's design. Regular maintenance of tires contributes not only to safety, but to the designed function of the vehicle. Road-holding, steering and braking are especially vulnerable to incorrectly pressurised, badly fitted or worn tires.

Tires of the correct size and type, but of different make have widely varying characteristics. It is therefore recommended that only Jaguar approved tires are fitted to all wheels.



### WARNING:

- Always ensure replacement tires have the correct rating and specifications (e.g. load index, size, speed rating) for your vehicle. Contact your Jaguar Dealer for more information.
- When using tires other than those recommended by Jaguar, do not exceed the speed capacity recommended by the manufacturer.

### Tire glossary

Refer to page 223 for a glossary of terms and definitions associated with tire pressures and vehicle weights.

## TIRE PRESSURES

The tire pressures recommended provide optimum ride and handling characteristics for all normal operating conditions. The pressures should be checked and correctly set each week, with the tires cold.

Tire temperatures and pressures increase when running. Deflating a warm tire to the recommended pressure will result in under-inflation which may be dangerous.



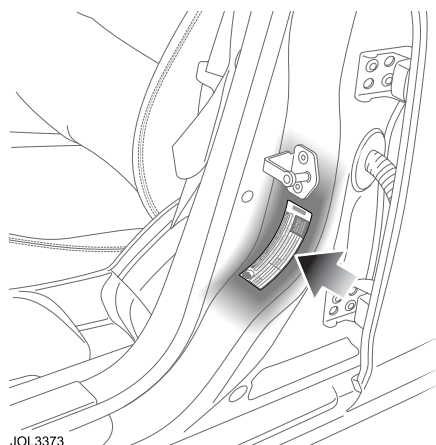
### WARNING:

- Under-inflation causes excessive flexing and uneven wear to the tire. This can lead to sudden failure. Over-inflation causes a harsh ride, uneven tire wear and poor handling.
- Pressure checks should only be carried out when the tires are cold (the vehicle has been stationary for three hours or more).

### Tire pressure label

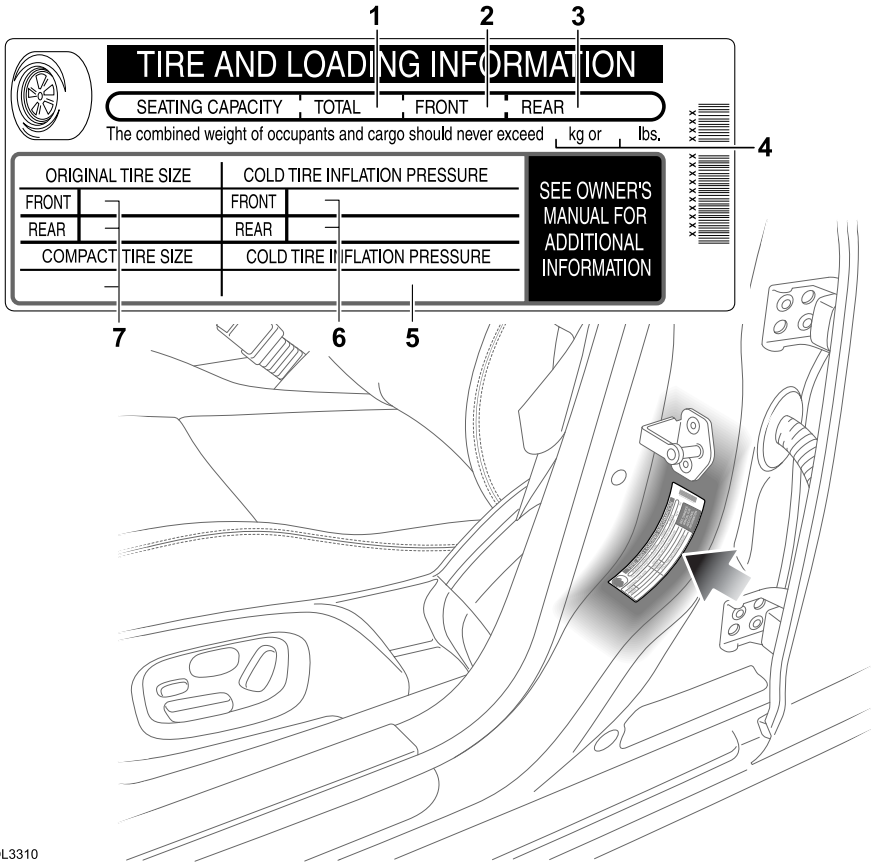
#### (Canada and Mexico only)

A tire recommendation label is fixed to the inside of the right-hand side door front pillar giving information specific to the vehicle's wheel and tire equipment.



# Tire Pressures

## Tire pressure label/placard (USA only)



JOL3310

A tire information label is visible on the pillar behind the driver's door (also known as the B pillar), giving information specific to the wheel and tire equipment fitted to the vehicle when it was built. The label contains the following information:

- The maximum number of occupants (1), divided between the front (2) and rear (3) of the vehicle.

- The vehicle capacity weight (4), which includes the weight of the driver, passengers and cargo.
- Cold inflation pressures for the spare tire (5) and the front and rear tires (6).
- The size of the tires (7) with which the vehicle was originally equipped.

**Note:** The label must not be changed, even if different wheels are fitted at a later stage.

# Tire Pressures

## Recommended tire pressures

The following table gives the tire pressures for all recommended tire sizes.

Tire Size	Tire Pressure	
	Front	Rear
235/50 R17	220 kPa (32 psi)	220 kPa (32 psi)
245/40 R18	240 kPa (35 psi)	240 kPa (35 psi)
245/40 R18 S/C	280 kPa (40 psi)	-
275/35 R18 S/C	-	280 kPa (40 psi)
Space-saver spare wheel (front or rear)		420 kPa (60 psi)

## Checking tire pressures

The following procedure should be used to check and adjust the tire pressures:

1. Remove the valve cover.
2. Firmly attach a tire pressure gauge/inflator to the valve.
3. Read the tire pressure from the gauge. If required, add air to the tire.
4. If air is added to the tire, remove the gauge from the valve and reattach it before checking that the pressure is correct. Failure to remove and reattach the gauge from the valve could cause the gauge to show an incorrect reading.
5. If too much air is added, remove the gauge from the valve and allow air out of the tire by pressing the centre of the valve. Reconnect the gauge to the valve, and check that the air pressure is correct.
6. Refit the valve cover.

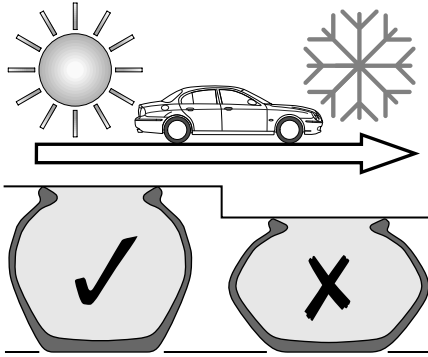
A slight natural pressure loss occurs with time. If this exceeds 14 kPa (2 psi) per week, the cause should be investigated and rectified.

**Note:** *It is an offence in certain countries to drive a vehicle with tires that are not inflated in accordance with the vehicle's proper use.*

# Tire Pressures

## Ambient temperature pressure compensation

If the intended journey will take the vehicle into an area where the ambient local temperature is known to be lower than the journey start point, tire pressure under inflation could occur.



A colder ambient local temperature will reduce pressure within the tire. An effect is to decrease sidewall height and to increase tire shoulder wear with the potential for tire failure. Vehicle dynamics could also be adversely affected.

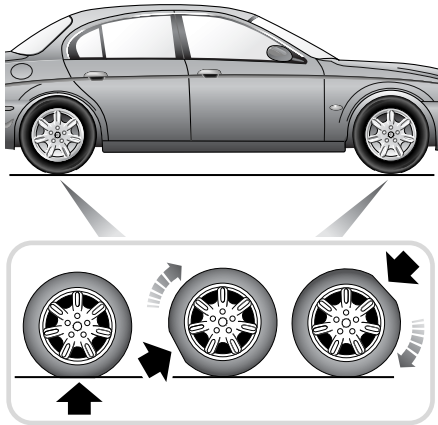
In order to minimise this effect, tire pressures can be adjusted to compensate before the start of the journey. Alternatively, tire pressures can be adjusted when the area of lower ambient temperature is reached.

In this situation the vehicle must be left in the ambient local temperature for a least one hour before tire pressure is adjusted. To compensate for colder ambient temperatures, tire pressures should be increased by 2lbf/in<sup>2</sup> (0.14 bar / 14 kPa) for each 10°C (20°F) decrease.

**Note:** Ensure that correct tire pressures are maintained when moving to areas of differing ambient temperature.

The Tire Pressure Monitoring system (TPM system) may issue a warning if the under inflation becomes significant. When driving through variable climatic conditions the TPM system warnings may be intermittent.

In areas of extended high ambient temperature, vehicle tires can be affected by a softening of the tire side wall. If the vehicle is stationary for long periods, the effect is to slightly deform the tire at the point where the tire meets the standing surface. This is known as a flat spot.



This is normal tire behaviour, however, when the vehicle is subsequently driven vibration may be experienced from the flat spot. The condition will steadily improve with additional mileage.

In order to minimise this effect, tire pressures can be adjusted to compensate.



# Tire Pressures

For each 10°C (20°F) increase in temperature above 20°C (68°F), tire pressure should be increased by 2lbf/in<sup>2</sup> psi (0.14 bar / 14 kPa).

## Tire pressure compensation chart - high ambient temperatures

Tire Pressure Temperature Compensation	
Ambient Temperature °C (°F)	Pressure Compensation lbf/in <sup>2</sup> (bar/kPa)
20 (68)	use placard label
30 (86)	+2 (0.14 / 14)
40 (104)	+4 (0.28 / 28)
50 (122)	+6 (0.41 / 41)

## WINTER (SNOW) TIRES

The tires fitted as original equipment are designed with a rubber compound, tread pattern and width specially suited for high speeds in normal road conditions, but they are less suitable during extremes of low temperatures, snow and ice.

The use of winter tires will considerably improve the vehicle's handling during these conditions

It is recommended that only Jaguar approved winter tires are used, as follows:

### Winter 17 inch wheels

Pirelli Winter 240 Snowsport 235/50R17 100H

Continental TS810 235/50R17 100V.

Continental TS810 245/4517 99V.

The recommended tire pressures for winter tires are the same as shown on page 211.

### Winter 18 inch wheels for Sport derivatives

Pirelli Winter Snowsport 245/40R18 93H

### Winter 18 inch wheels for Supercharged vehicle

Pirelli Winter 240 Snowsport 235/40R18 95V X/L

Pirelli Winter 240 Snowsport 265/35R18 95V X/L

### Winter 18 inch tire pressures:

#### Up to 160 km/h (100 mph)

Front (235)	207 kPa (30 psi)
Rear (265)	230 kPa (34 psi)

#### Over 160 km/h (100 mph)

Front (235)	260 kPa (38 psi)
Rear (265)	290 kPa (42 psi)

Tire directional indicators must be rotating in a clockwise direction when viewed from the right-hand side of the vehicle, and anti-clockwise when viewed from the left-hand side of the vehicle.

Do not exceed 130 mph (210 km/h) when using H rated tires and 240 km/h (149 mph) when using V rated Jaguar approved winter tires.

Winter tires must be used in vehicle sets, that is, fitted on all four wheels.

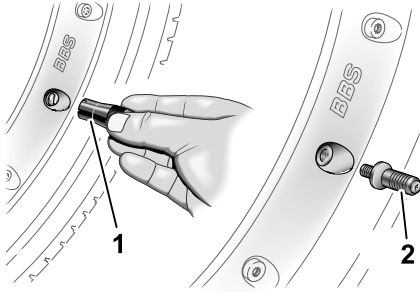
If non-Jaguar approved winter tires are fitted, refer to the tire pressure information label, attached to the driver's side door front pillar (Canada and Mexico) or the pillar behind the driver's door (USA).

# Tire Pressures

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## R PERFORMANCE WHEELS

(Accessory fit wheels only)



JOL2693

Some wheels have a slotted valve cover on the wheel face. A pouch containing a special tool and a valve adaptor, for use with these wheels, is stowed in the glove compartment.

To access the valve, unscrew the slotted valve cover using the special tool (1).

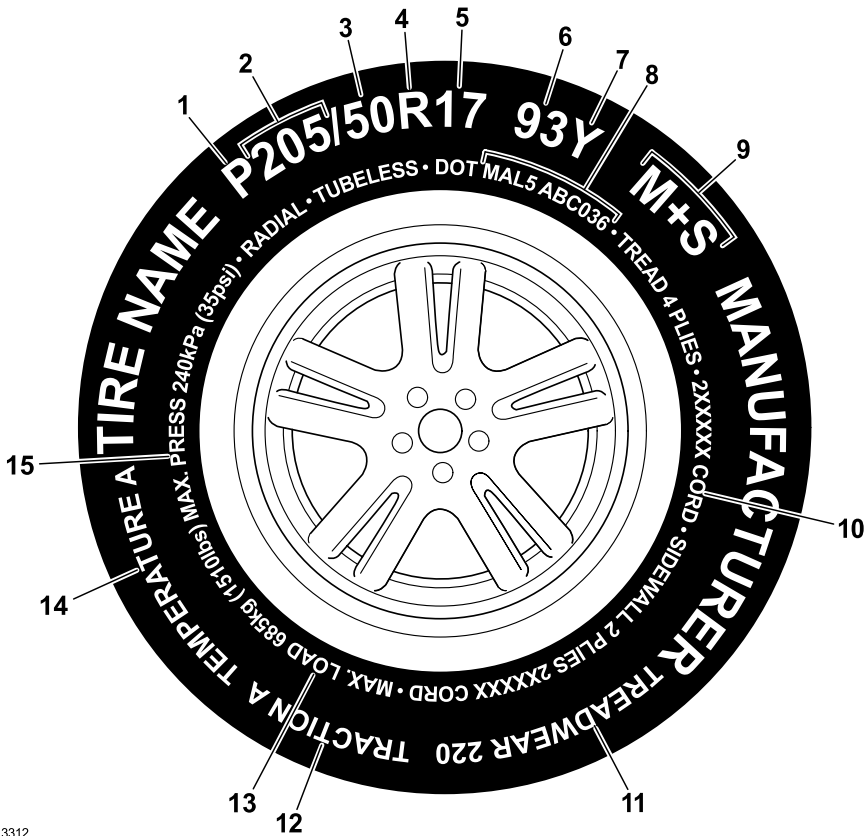
Screw in the adaptor (2) and hand-tighten.

After checking the pressure, remove the adaptor and refit the valve cover.

The special tool will grip the valve cover, making it easier to refit.

# Tires

## TIRE MARKINGS



JOL3312

### P (1)

The **P** indicates the tire is for passenger vehicles.

### Tire width (2)

This three-digit number gives the width in millimetres of the tire from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

### Aspect ratio (3)

This two-digit number, known as the aspect ratio, gives the tire's ratio of height to width (this is also known as the tire profile). The lower the number, the shorter the tire's sidewall.

# Tires

## R (4)

The **R** stands for radial. Radial ply construction of tires has been the industry standard for the past 20 years.

## Wheel diameter (5)

This two-digit number is the wheel or rim diameter in inches. If you change your wheel size, you will have to purchase new tires to match the new wheel diameter.

## Load index (6)

This two- or three-digit number is the tire's load index. It is a measurement of how much weight each tire can support.

**Note:** *You may not find this information on all tires because it is not required by law.*

## Speed rating (7)

The speed rating denotes the speed at which a tire is designed to be driven for extended periods of time. The ratings range from 99 miles per hour (mph) to 186 mph. These ratings are listed in the following table.

**Note:** *You may not find this information on all tires because it is not required by law.*

Letter Rating	Speed Rating
Q	99 mph
R	106 mph
S	112 mph
T	118 mph
U	124 mph
H	130 mph
V	149 mph
W	168 mph
Y	186 mph*
* For tires with a maximum speed capability over 149 mph, tire manufacturers sometimes use the letters ZR. For those with a maximum speed capability over 186 mph, tire manufacturers always use the letters ZR.	

## U.S. DOT tire identification number (8)

This begins with the letters **DOT** and indicates that the tire meets all Federal standards. The next two numbers or letters are the plant code where it was manufactured, and the last four numbers represent the week and year the tire was built. For example, the numbers 3197 means the 31st week of 1997. The other numbers are marketing codes used at the manufacturer's discretion. This information can be used to contact consumers if a tire defect requires a recall.

## M+S (9)

The **M+S** or **M/S** indicates that the tire has some mud and snow capability. Most radial tires have these markings; they have some mud and snow capability.

# Tires

---

## **Tire ply composition and materials used (10)**

The number of plies indicates the number of layers of rubber-coated fabric in the tire. In general, the greater the number of plies, the more weight a tire can support. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others.

## **Treadwear number (11)**

This number indicates the tire's wear rate. The higher the treadwear number is, the longer it should take for the tread to wear down. For example, a tire graded 400 should last twice as long as a tire graded 200.

For more information, refer to page 221.

## **Traction letter (12)**

This letter indicates a tire's ability to stop on wet pavement. A higher graded tire should allow you to stop your car on wet roads in a shorter distance than a tire with a lower grade. Traction is graded from highest to lowest as **AA**, **A**, **B**, and **C**. For more information, refer to page 221.

## **Maximum load rating (13)**

This number indicates the maximum load in kilograms and pounds that can be carried by the tire.

## **Temperature letter (14)**

This letter indicates a tire's resistance to heat. The temperature grade is for a tire that is inflated properly and not overloaded. Excessive speed, under-inflation or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure. From highest to lowest, a tire's resistance to heat is graded as **A**, **B**, or **C**. For more information, refer to page 221.

## **Maximum permissible inflation pressure (15)**

This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.

# Tires

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## RECOMMENDED TIRE FITMENT

The following chart details the tires recommended for use in the countries listed below:

### A. Mexico.

#### 3.0 litre, 4.2 litre

Tire size	Pattern	A
235/50R17 96Y	Pirelli P6000 Powergy	yes
235/50R17 96W	Pirelli P Zero	no
245/45ZR17	Continental CSC2	yes
245/40R18 97Y	Pirelli P Zero	yes

#### S-TYPE 'R' Wheels

Tire size	Pattern	A
8 x 18 (R model - front)	245/40 ZR 18 Continental ContiSport Contact	yes
9.5 x 18 (R model - rear)	275/35 ZR 18 Continental ContiSport Contact	yes

For all other countries refer to your local Jaguar Dealer for specific tire fitment.

# Tires

## TEMPORARY-USE SPARE WHEEL

(Where fitted)

### 3.0 models

Steel road wheel size	4 x 16
Tire type/size	145/80 R 16 Continental

### 4.2 models

Steel road wheel size	4 x 18
Tire type/size	T115/85 R 18 96 Pirelli



#### WARNING:

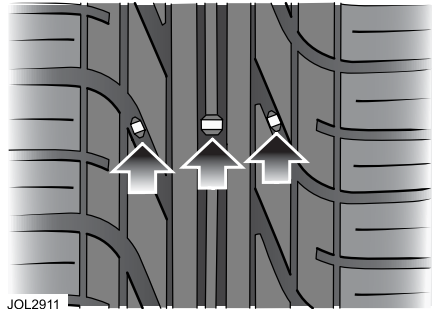
Failure to comply with the following can be dangerous. When a temporary-use spare wheel is fitted, switch off dynamic stability control, drive with caution and replace with the specified wheel and tire assembly as soon as possible. Do not fit more than one temporary-use spare wheel at one time. Temporary-use spare wheel maximum speed is 80 km/h (50 mph).

For information about temporary-use spare wheel, refer to page 168.

## TIRE CARE

In the interests of safety and reliability, it is advisable to check the tires, including the spare, for condition and pressure on a weekly basis. Refer to page 211 for instructions on how to check tire pressures.

### Wear



JOL2911

All tires fitted as original equipment include tread wear indicators (TWI) in their tread pattern. When the tread has worn to a remaining depth of 1.6 mm the indicators appear at the surface as bars which connect the tread pattern across the full width of the tire.

It is illegal, in certain countries, to continue to use tires after the tread has worn to less than 1.6 mm over three quarters of the width and the entire circumference of the tire.

It should be noted that the properties of many tires alter progressively with wear. In particular the wet grip and aquaplaning resistance are gradually but substantially reduced. Extra care and speed restriction should therefore be exercised on wet roads as the effective tread depth diminishes.

# Tires

---

Incorrect wheel alignment will accelerate tire wear. Fins on the inner or outer edges of the tread pattern are caused by excessive toe-in or toe-out respectively. As fins may also be caused by high cornering speeds or road camber, it is advantageous to have the cause detected by having the wheel alignment checked.

Do not interchange tires from side to side, front to rear or vice versa as tire wear produces characteristic patterns depending upon their position. If the position is changed after wear has occurred, the performance of the tire will be adversely affected.

## **Note:**

- *On certain models the rear wheel and tire assemblies will be larger than the front. These larger assemblies must never be fitted to the front of the vehicle.*
- *On certain models the tires specified may be directional type. These tires must be fitted so that when viewed from the side of the vehicle, the tire direction of rotation arrow points in the vehicle forward direction of travel when positioned at the top of the tire.*

## **Tire repair**

It is recommended that damaged tires are discarded and new tires fitted. They must not be repaired in view of the high performance capability of the vehicle.

## **Damage**

Excessive local distortion can cause the casing of a tire to fracture and may lead to premature failure. Tires should be examined especially for cracked walls, exposed cords, etc. Flints and other sharp objects must be removed from the tire tread; if left in they may work through the cover. Clean off any oil or grease contamination by using a suitable cleaner.

**Caution: Do not use paraffin (kerosene), because this has a detrimental effect on rubber.**

## **Tire use after vehicle storage**

After a long period of a vehicle standing, tires may become locally distorted with a flat area. This will cause an uneven ride for a few miles until the tires have warmed up and the flat rounds off.

However, to reduce the effects of flat-spots, the tires of a stored vehicle may be inflated to pressures not exceeding 420 kPa (60 psi).

## **Tire ageing**

Tires degrade over time, even when they are not being used. It is recommended that tires generally be replaced after six years of normal service. Heat caused by hot climates or frequent high loading conditions can accelerate the ageing process.

You should replace the spare tire when you replace the other road tires due to the ageing of the spare tire.



# Tires

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## TIRE QUALITY GRADES

### United States Department of Transportation/Uniform Tire Quality Grades

The following information relates to the tire grading system developed by the National Highway Traffic Safety Administration which will grade tires by tread wear, traction and temperature performance.

#### Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and a half (1.5) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

#### Traction

The traction grades, from the highest to the lowest are **AA**, **A**, **B** and **C**. The grades represent the tire's ability to stop on wet pavements as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked **C** may have poor traction performance.



#### WARNING:

The traction grade assigned to this tire is based on straight ahead braking traction tests and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

#### Temperature - A, B, C

The temperature grades **A** (the highest), **B** and **C** represents the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade **C** corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades **B** and **A** represent higher levels of performance on the laboratory test wheel than the minimum required by law.



#### WARNING:

The temperature grade for these tires is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure.

# Tires

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## TIRE RENEWAL

When renewing tires, it is preferable to fit a complete vehicle set. If either front or rear tires only need to be renewed, new tires must be fitted, as axle sets, to replace worn ones.

After new tires have been fitted the wheels need to be dynamically balanced.

The radial ply tires specified are designed to meet the high-speed performance capability of this vehicle.

Do not fit tires with a different tread pattern, size or speed rating.

**Caution: Ultra High Performance Tires.**

This vehicle is equipped with a Ultra High performance tire and wheel combination designed to provide maximum dry pavement performance with consideration for hydroplaning resistance. As such, they may be more susceptible to road hazards and consequential damage. Ultra High performance tires may also be expected to experience increased tread wear with shorter tread life.

These tires are not recommended for driving on snow or ice, and should be replaced with winter tires when weather conditions dictate.

## SNOW CHAINS

Snow chains, of the recommended type, may only be fitted to rear wheels.

Contact your Jaguar Dealer for details and availability of approved snow chains.

The maximum speed when using snow chains is 48 km/h (30 mph).

Remove the snow chains immediately the roads are clear of snow.

Ensure the fitting instructions supplied with the snow chains are kept in a safe place, for example, with this literature pack.

**Note:** *Dynamic stability control MUST be switched OFF when using snow chains.*

# Tire Glossary

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## GLOSSARY

### **Cold tire pressure:**

Pressure in a tire that has been driven for less than one mile or has been standing for three hours or more.

### **Maximum inflation pressure:**

Maximum air pressure, to which a cold tire may be inflated, this figure (in kPa and psi) is moulded onto the sidewall of a tire.

### **Curb weight:**

The weight of a motor vehicle with standard equipment including the maximum capacity of fuel, oil, coolant and if so equipped, air conditioning and additional weight optional engine.

### **Accessory weight:**

The combined weight (in excess of those standard items which may be replaced) of automatic transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).

### **Production options weight:**

The combined weight of those installed production options weighing over 1.4 kg (3 lb) in excess of those standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levellers, roof rack, heavy duty battery and special trim.

### **Vehicle capacity weight:**

The rated cargo and luggage load plus 68.0 kg (150.0 lb) times the vehicle's designated seating capacity.

### **Maximum loaded vehicle weight:**

This is the sum of:

- Curb weight.
- Accessory weight.
- Vehicle capacity weight.
- Production options weight.

### **Rim:**

A metal support for a tire or a tire and tube assembly upon which the tire beads are seated.

### **Bead:**

The part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim.

# Cargo Weights

## PRODUCTION OPTIONS WEIGHTS

### (USA only)

This table lists the production options weights. To calculate the curbweight of your vehicle, add the weight of all production options, including optional alloy wheels and spare wheel, to the basic curbweight for your vehicle.

**Note:** The table only lists optional equipment that weigh more than 1.4 kg (3 lb).



### WARNING:

Do not exceed the weight limits specified on the **TIRE LOADING INFORMATION** label (see page 210).

To calculate the cargo and luggage load capacity of your vehicle, refer to page 226.

	Weight	
	lb	kg
<b>Curbweight, no options fitted</b>		
V6	3766	1708
V8 Naturally aspirated	3868	1754
V8 Supercharged	4064	1843
<b>Production options</b>		
Navigation unit	10.6	4.8
CD Autochanger (V6 only)	4.2	1.9
Premium sound package (V6 only)	8.8	4.0
Electric glass sunroof (V6 only)	32.9	14.94
Adjustable pedals (V6 only)	3.1	1.4
Electric sun blind	5.4	2.46
Xenon headlights (V6 and V8 naturally aspirated)	4.4	2.0
Memory function (V6 only)	4.0	1.8
16 way driver/passenger seats V6 and V8 naturally aspirated)	9.3	4.4

# Cargo Weights

	Weight	
	lb	kg
<b>Wheels and tires</b>		
<b>V6</b>		
Mercury wheels	29.1	13.2
<b>V8 Naturally aspirated</b>		
Juno wheels	0	0
Aurora wheels	0	0
Triton wheels	7.9	3.6
Valencia wheels	3.4	1.56
Melbourne wheels	23.7	10.76
Barcelona wheels	7.1	3.2
Monaco wheels	15.9	7.2
Indianapolis wheels	24.3	11.0
<b>V8 Supercharged</b>		
Vulcan wheels	0	0
Barcelona wheels	2.2	1.0
<b>Spare wheel and tire</b>		
<b>V6</b>		
16" spacesaver spare wheel	0.0	0.0
Mercury spare wheel	18.7	8.5
<b>V8 Naturally aspirated</b>		
16" spacesaver spare wheel	0	0
Juno spare wheel	17.86	8.1
Mercury spare wheel	18.74	8.5
Valencia spare wheel	18.96	8.6
Melbourne spare wheel	24.03	10.9
Barcelona spare wheel	19.84	9.0
Monaco spare wheel	23.59	10.7
Indianapolis spare wheel	25.88	11.74

**Note:** The weights listed under **Wheels and tires** give the increase in weight over a standard set of four wheels: the figure only needs to be added to the curbweight once. The **Spare wheel and tire** weight must also be added, where applicable.

# Cargo Weights

## Steps for determining correct load limit



### **WARNING:**

**Do not exceed the vehicle capacity weight (the total weight of driver, passengers and cargo) given on the tire information label (see page 210).**

1. Locate the statement 'The combined weight of occupants and cargo should never exceed XXXX kg or XXXX lb' on your vehicle's placard (see page 210).
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXXX kg or XXXX lb (weight given on placard).
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the XXXX amount equals 1400 lb, and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lb:  
 $(5 \times 150 = 750, \text{ and } 1400 - 750 = 650 \text{ lb}).$
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this handbook to determine how this reduces the available cargo and luggage load capacity of your vehicle. (Subtract the trailer nose load (see page 230) from the available cargo and luggage load capacity.)

The number and weight of passengers will affect the cargo and luggage load capacity. In the example above, the cargo and luggage load capacity is 650 lb. However, if fewer passengers ride in the vehicle, the luggage load capacity will increase. If this vehicle carries three 150 lb passengers, the cargo and luggage load capacity will increase to 950 lb:  
 $(3 \times 150 = 450 \text{ lb, and } 1400 - 450 = 950 \text{ lb}).$

If the passengers weigh more, the cargo and luggage load capacity will decrease.



### **WARNING:**

- **The weight of accessories must also be subtracted from the available cargo and luggage load capacity. If you are unsure of the weight of any accessories fitted to your vehicle, contact your Jaguar Dealer.**
- **Overloading the vehicle will have an adverse affect on braking and handling characteristics, which could compromise your safety. Overloading a vehicle may also cause tire damage or failure. Never overload your vehicle.**

# Engine Data

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## ENGINE DATA

Engine	3.0 litre	4.2 litre Naturally Aspirated	4.2 litre Supercharged
Type	V6, dual overhead camshafts, 4 valves per cylinder	V8, dual overhead camshafts, 4 valves per cylinder	V8, dual overhead camshafts, 4 valves per cylinder
Capacity	181 inch <sup>3</sup> (2967) cm <sup>3</sup>	256 inch <sup>3</sup> (4196 cm <sup>3</sup> )	256 inch <sup>3</sup> (4196 cm <sup>3</sup> )
Bore	3.504 inch (89.0 mm)	3.386 inch (86.0 mm)	3.386 inch (86.0 mm)
Stroke	3.130 inch (79.5 mm)	3.555 inch (90.3 mm)	3.555 inch (90.3 mm)
Compression ratio	10.5:1	11.0:1	9.1:1

# Dimensions

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## DIMENSIONS

	inches	cm
Overall length	192.6	489.2
Overall width including mirrors	81.1	206.0
Overall width without mirrors	71.6	181.9
Overall height at gross vehicle weight (nominal)	57.0	144.7
Wheelbase	114.5	290.9
Turning circle (curb to curb)	37.7 feet	11.48 metres

### Track:

For the required information please consult your Jaguar Dealer.



# Weights

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## WEIGHTS (AVERAGE/APPROXIMATE)

	Vehicles with V6 gasoline engines	
	lb	kg
Curb weight (33% options fitted)	3760	1706
Front axle curb weight	1965	891
Rear axle curb weight	1795	814
Gross vehicle weight (G.V.W.)	4745	2152
Gross front axle weight	2210	1003
Gross rear axle weight	2535	1149
Gross combination weight	8824	4002

	Vehicles with V8 engines (naturally aspirated)		Vehicles with V8 engines (supercharged)	
	lb	kg	lb	kg
Curb weight (33% options fitted)	3868	1755	4075	1848
Front axle curb weight	2053	931	2174	986
Rear axle curb weight	1815	823	1901	862
Gross vehicle weight (G.V.W.)	4815	2184	4960	2249
Gross front axle weight	2290	1038	2370	1074
Gross rear axle weight	2525	1145	2590	1175
Gross combination weight	8893	4034	9038	4099

**Note:** Gross combination weight is the gross vehicle weight plus recommended trailer weight.

# Load Weights

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## ROOF-RACK, LUGGAGE COMPARTMENT AND TRAILER WEIGHTS

Roof-rack Weight	lb	kg
Roof-rack (Jaguar approved only) capacity including weight of rack.	165	75
<i><b>Note:</b> The roof-rack capacity shown above is included in the total vehicle carrying capacity, and the maximum permissible axle weights shown on the Vehicle Identification Plate must not be exceeded. In addition, the tires must be inflated to the pressures given for speeds above 100 mph (160 km/h).</i>		
Luggage Compartment Weight		
Maximum permitted luggage compartment load with four passengers and driver.	132	60
<i><b>Note:</b> The maximum permitted luggage compartment load shown above can be exceeded provided that the requirements regarding the maximum permissible axle weights and tire pressures are followed, see page 226.</i>		
Trailer Weights		
Braked.	4079	1850
Unbraked (maximum recommended).	1653	750
Trailer nose load.	165	75

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