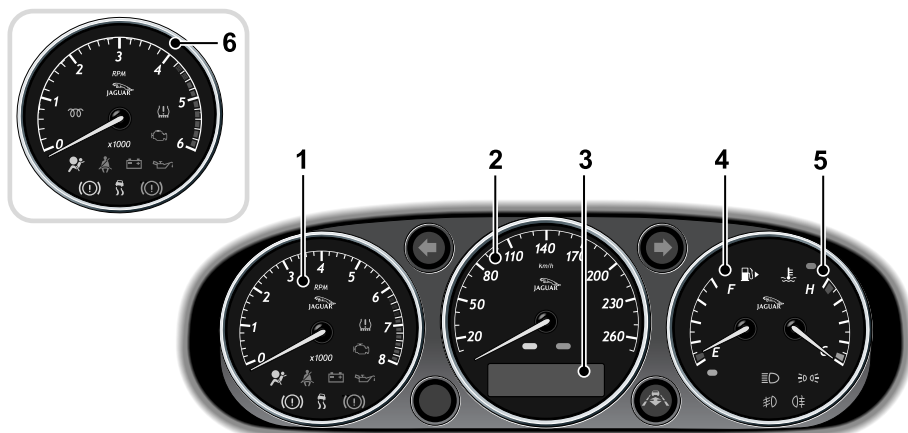


Instruments

INSTRUMENT PANEL



JAG0638

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

If the exterior lamps switch is ON and the ignition is ON, the display brightness can be varied using the dimmer switch.

The instruments shown above are:

1. Tachometer (Petrol engine vehicles).
2. Speedometer.
3. Message centre.
4. Fuel gauge.
5. Engine temperature gauge.
6. Tachometer (Diesel engine vehicles).

Tachometer

The tachometer indicates engine speed in revolutions per minute and is calibrated in increments of 250 rev/min extending to:

- 8000 rev/min for petrol engines.
- 7000 rev/min for supercharged engines.
- 6000 rev/min for diesel engines.

Do not allow the needle to enter the red sector.

Speedometer

Speed indications are either:

- Kilometres per hour only, or
- Kilometres per hour, the outer figures, and miles per hour, or
- Miles per hour, the outer figures, and kilometres per hour.

Odometer

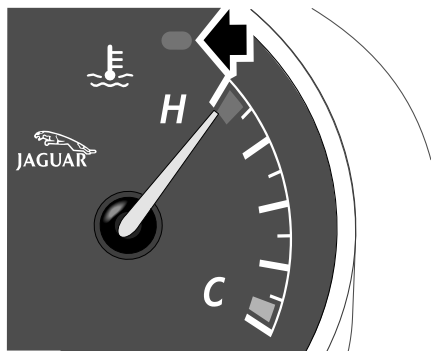
The odometer records the total distance covered by the vehicle.

The odometer reading is displayed below the speedometer, along with the trip distance since it was last reset. To reset the trip distance, press the reset button on the trip computer switchpack. The trip distance will roll-over at 16,090 kilometres (or 9999.9 miles).

Instruments

The odometer is displayed in the message centre unless a message has priority or a trip computer function has been selected.

Engine temperature



JAG0639

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 or caravan.

Should the pointer move into the red segment (**H**) of the coolant gauge, stop the vehicle as soon as it is safely possible, turn off the engine and open the bonnet to allow the engine to cool.

Caution: Serious engine damage can occur if the vehicle is driven whilst the engine is overheating.



WARNING:

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.



WARNING:

It is unsafe to run the engine in an overheated condition.



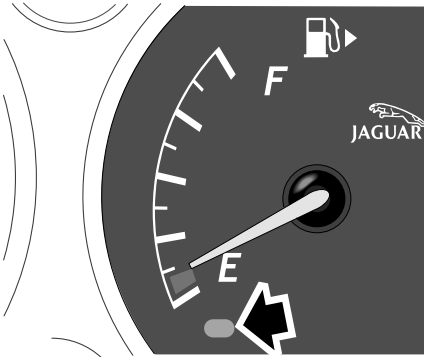
WARNING:

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

Fuel gauge

Indicates the amount of fuel in the tank.



JAG0640

An amber warning indicator is displayed in the gauge when the fuel in the tank is at a low level. The tank should be refilled at the earliest opportunity.

Caution: Never allow the vehicle to run out of fuel. The resulting mis-fire may cause serious damage to the catalytic convertor.

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

Instruments

WARNING INDICATORS

Warning indicators are arranged within the instrument panel.

There are two warning indicators, one red, the other amber, located above the message centre for primary and secondary status of the warnings displayed by the message centre.

RED warning indicators are for primary warnings. A primary warning must be investigated immediately by the driver or a Jaguar Dealer/Authorised Repairer.

AMBER warning indicators are for secondary warnings when the driver must take action and then report the fault to a Jaguar Dealer/Authorised Repairer at the earliest opportunity.

Other indicators within the instrument panel indicate system status, such as blue for high beam and green for direction indicators, when in operation.

Lamp check

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

Not all lamps are included in the lamp check, for example, high beam headlamps or direction indicators.

Low oil pressure (Red)



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

If the indicator 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.

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

First check the engine oil level, see page 217.

Charge indicator (Red)



Diesel only: The charge indicator will illuminate when the ignition is ON and should go out when the engine is running.

Diesel and Petrol engines: If the indicator comes ON when the engine is running it indicates that there is either a battery voltage fault or an alternator 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/Authorised Repairer.

Instruments

Seat belt (Red)



The warning indicator illuminates when the ignition is turned ON and:

- The driver's seat belt is not fastened.
- A passenger is sitting in the front seat and their seat belt is not fastened.

The indicator should go out when the driver's seat belt (and the front passenger's if the seat is occupied) is fastened.

Note: *The vehicle must be moving above 16 km/h (10 mph) for the indicator to illuminate if the passenger seat belt is not fastened.*

Beltminder

The Beltminder feature is a supplemental warning to the seat belt warning function.

This feature provides additional reminders to the driver that the driver's and/or front passenger's seat belt is unbuckled by intermittently sounding a chime and illuminating the seat belt warning indicator in the instrument panel.

If the vehicle is moving above 16 km/h (10 mph) and one or both front seats are occupied and a seat belt is not fastened, a warning chime will be heard and the indicator will flash.

The chime sound and the indicator flashing will last for 10 seconds and then repeat every 30 seconds for five minutes or until the belts are fastened or the vehicle stops.

If the warning indicator stays ON continuously with the seat belt(s) fastened, report the fault to a Jaguar Dealer/Authorised Repairer. It is safe to drive the vehicle with the indicator ON continuously, provided that the seat belt(s) is properly fastened.

Ensure that all occupants seat belts are fastened before driving.

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.*

It is safe to drive the vehicle with the indicator ON continuously, provided that the seat belt(s) is properly fastened.

Ensure that all occupants seat belts are fastened before driving.

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

Instruments

Brake (Red)



This illuminates when:

- The ignition is ON and the Electric Parking Brake (EPB) is ON.
- There is a fault with the EPB.
- The brake fluid is low.

If the indicator is ON and there are no associated messages it means that the EPB is applied.

If the indicator flashes, there is a fault with the EPB system and the EPB cannot be applied.

If the indicator is ON and the message **PARKBRAKE ON** is displayed, it means that the EPB is applied but the vehicle is moving. Release the parkbrake or stop the vehicle when it is safe to do so.

If the indicator is ON and the message **LOW BRAKE FLUID** message with a RED priority indicator is displayed on the message centre, low brake fluid is indicated. In this case, loss of braking in one, or both, brake circuits may be imminent.



WARNING:

If the message **LOW BRAKE FLUID** is displayed, **DO NOT** drive the vehicle until the fault is rectified. Consult a Jaguar Dealer/Authorised Repairer immediately.

Engine malfunction (Amber)



This indicator comes on when the ignition is on and remains on until the engine is started.

If the indicator comes on when the engine is running then there is an engine malfunction.

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

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

Anti-lock Braking System (ABS) (Amber)



If a fault has been detected in the Anti-lock Braking System (ABS) or the electric EPB

system, this indicator will illuminate.

A warning message will appear with this indicator to indicate either ABS fault or EPB fault.

The brake system will continue to function normally, but without ABS braking.

Should the indicator 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 indicator comes on again, the vehicle should be driven to a Jaguar Dealer/Authorised Repairer at the earliest opportunity.



WARNING:

If the ABS and brake warning indicators are ON at the same time, **DO NOT** drive the vehicle until the fault is rectified. Consult a Jaguar Dealer/Authorised Repairer immediately.

Instruments

Dynamic Stability Control (DSC) (Amber)



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

The message **DSC NOT AVAILABLE** will be displayed and the indicator 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 indicator will remain ON.

Adaptive Cruise Control (ACC) follow mode (Amber)



If ACC is active, this illuminates 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 ACC.

Airbag (Amber)



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

Report the fault to a Jaguar Dealer/Authorised Repairer immediately.

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

Diesel glow plug (Amber)



Illuminates when the ignition is switched ON and switches OFF as soon as the glow plugs reach their operating temperature, indicating that the engine may be started.

For more information on starting a diesel engine, refer to page 132.

Low tyre pressure (Amber)



Illuminates when one or more tyres is significantly under inflated. The vehicle should be stopped as soon as possible and the tyres checked and inflated to the recommended pressure.

If the tyre pressure monitoring system develops a fault, the indicator will flash repeatedly for 75 seconds. The indicator will then remain on. Refer to page 235.

Sidelamps (Green)



Illuminates when the side lamps or headlamps are switched ON either manually or by the autolamp system, if fitted.

High beam (Blue)



Illuminates when the high beam headlamps are switched ON or flashed ON.

Front fog lamps (Green)



Illuminates when the front fog lamps are switched ON.

Rear fog lamps (Amber)



Illuminates when the rear fog lamps are switched ON.

Instruments

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 the normal rate when that indicator is selected. A message will be shown that a bulb has failed. Fit a new bulb immediately.

Note:

- *If a bulb has failed, the audible ticking will sound at twice the normal rate.*
- *If a trailer or caravan is fitted and a direction indicator bulb fails then the tell-tale will flash at twice the normal rate and a message will be displayed that a rear indicator lamp has failed.*

Hazard warning lamps

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

Overspeed warning (Amber)



(Gulf Co-operation Council only)

Illuminates if the vehicle speed exceeds 120 km/h (75 mph).

Instruments

AUDIBLE WARNINGS

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

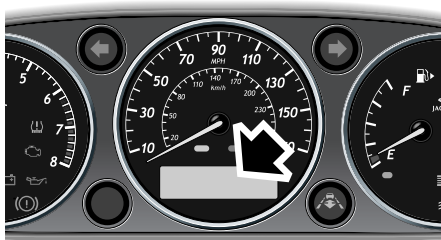
Hazard or Condition	Remedy/Chime or Tone
Airbag system failure.	A tone sequence is repeated five times. Report the fault to a Jaguar Dealer/Authorised Repairer as soon as possible.
External lamps are switched on when the driver's door is opened.	A chime will sound for ten seconds as a warning that the lamps are on when the ignition is off and the driver's door is opened. Note: <i>The chime will not sound if the switch is in autolamp position.</i>
Hazard warning indicators on.	A ticking will sound until the hazard indicators are switched off.
Vehicle armed.	This warns that the alarm will sound shortly unless the system is disarmed by either pressing the unlock button on the key transmitter or placing the key in the ignition switch.
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, 2 or 3 configuration saved.	A short tone as the memory selection is saved.
Valet mode.	This indicates that the valet mode has not been set or that access to a restricted area has been prevented because valet mode has been set.
Seat belt reminder (Not all countries).	A chime will sound for six seconds after the ignition is switched on or until the front seat belts, when occupied, are fastened or the ignition switch turned to 0 . The chime will also sound at regular intervals for five minutes if the vehicle is moving above 16 km/h (10 mph) and the driver's and/or front passenger's (if occupied) seat belts are not fastened or are unfastened.

Instruments

Hazard or Condition	Remedy/Chime or Tone
Electric Parking Brake (EPB).	If the message PARKBRAKE ON is displayed, it means that the parkbrake is applied but the vehicle is moving. Release the parkbrake or stop the vehicle when it is safe to do so.
EPB cannot be applied.	This sounds a warning that the parkbrake cannot be applied.
Adaptive Cruise Control driver intervene.	Action is required by the driver to apply the brakes.
Gear selector not in Park (P).	This warns that the gear selector is not in Park (P) when the ignition is turned off.

Message centre

MESSAGE INFORMATION



E86335

Driver information, messages and data are displayed on the message centre display panel situated within the instrument panel.

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

The primary function of the message centre is to inform the driver of the following:

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

The message centre displays:

- The total distance covered by the vehicle.
- Trip computer information.
- Warning messages if system faults are detected.
- Status messages to indicate changes in state of certain vehicle functions.

Messages



WARNING:

If a red warning indicator is displayed, investigate immediately and, if necessary, stop the vehicle as soon as possible but only when it is safe to do so.

Most messages, when displayed, have an associated warning indicator, red or amber, above the display which will come on to indicate the message priority.

Caution: Do not ignore warning messages, take appropriate action immediately. Failure to do so may result in serious damage to the vehicle.

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

Messages take priority over the odometer reading or 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, and message brightness is controlled by the dimmer switch.

All information displayed will be brightly lit if the exterior lamps master switch is OFF.

Note: Warning indicators are always brightly lit and are not affected by the dimmer switch.

Message centre

Language selection

The displayed language can be changed to another language, if required.

Press the ML/km button on the trip computer switchpack and whilst pressing, turn on the ignition to position **II**.

Now press the ML/km button, each press will display a different language. When the desired language is shown, press the A/B button. After three seconds the new language will be displayed for every message.

Note: *If you wish to exit the language changing procedure and keep the original language, do not press the A/B button but wait ten seconds or turn the ignition off.*

Service interval indicator

The service interval message will only be displayed when the vehicle has less than 3400km (2000 miles) before the service is due.

When the ignition switch is turned to position **II** and the vehicle has started its service countdown, a message **SERVICE REQ'D IN XXXX km (XXXX MLS)** is displayed in the message centre. At the same time the AMBER priority indicator is illuminated.

After approximately five seconds, the display reverts to show the pre-set requirements.

When the service distance has been reached, a message **SERVICE REQUIRED** is displayed and the red priority indicator will be illuminated.

After approximately five seconds, the display reverts to show the pre-set requirements.

The distance countdown reduces in increments of 50 km or 50 miles, depending on which display units have been selected.

The distance countdown is controlled by the engine management system and is automatically adjusted to allow for driving style and conditions to gauge when the service becomes necessary.

Caution: If no service interval indicator is displayed during the vehicle service cycle, ensure that your vehicle is serviced in accordance with the intervals as stated in the Service Portfolio.

Note: *After completion of each service, the Jaguar Dealer/Authorised Repairer will reset the distance display to commence the countdown to the next service.*

Message centre

Message list

The table on this and the following pages lists all messages and warning indicators and explains their meaning.

Message	Warning indicator	Priority Indicator	Meaning
LOW BRAKE FLUID	Brake	Red	<p>Displayed when the brake fluid level is low. Complete loss of braking may occur.</p> <p> WARNING: DO NOT drive the vehicle until the fault is rectified. Consult a Jaguar Dealer/Authorised Repairer immediately.</p>
ENGINE COOLANT LOW	None	Red	Displayed when the engine temperature become excessive. Pull off the road when safe to do so and allow the engine to cool.
RESTRICTED PERFORMANCE	None	Red	This will be displayed when the vehicle has possible loss of power or driveability. Report the fault to a Jaguar Dealer/Authorised Repairer.
ENGINE SYSTEMS FAULT	Malfunction indicator	Red	Displayed when the engine has defaulted to limp home mode. Report the fault to a Jaguar Dealer/Authorised Repairer at the earliest opportunity.
DPF FULL SEE HANDBOOK (Diesel models only)	None	Red or Amber	Amber displayed when the Diesel Particle Filter (DPF) requires to be regenerated, carry out DPF regeneration, see page 161. If Red priority is indicated contact a Jaguar Dealer/ Authorised Repairer as soon as possible.

Message centre

Message	Warning indicator	Priority Indicator	Meaning
VEHICLE TOO LOW	None	Red	The air suspension system is too low. Start the engine and wait for the message to clear before driving the vehicle. If the message is displayed while you are driving, restrict your speed until the message is cleared. If the message is persistently shown, inform your Jaguar Dealer/Authorised Repairer.
DRIVERS (or PASSENGERS) DOOR OPEN	None	Red	The driver's and/or one or more passenger doors are open. Check that all doors are closed before driving.
BOOT OPEN	None	Red	Check that the luggage compartment lid is closed before driving.
BONNET OPEN	None	Red	Check that the bonnet is closed before driving.
PARKBRAKE FAULT	None	Red	Displayed when there is a fault in the Electric Parking Brake (EPB) system. If the red brake warning indicator is flashing the EPB cannot be applied.
CATS SYSTEM FAULT	None	Amber	Displayed when a fault is detected in the adaptive damping (CATS) system (only those vehicles fitted with adaptive damping suspension). Report the fault to a Jaguar Dealer/Authorised Repairer at the earliest opportunity.
AIR SUSPENSION FAULT	None	Amber	Drive the vehicle with caution and inform your nearest Jaguar Dealer/Authorised Repairer to have the fault rectified.
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 down when the engine is cold and engine vacuum is low (diesel engine only).

Message centre

Message	Warning indicator	Priority Indicator	Meaning
CHECK PRESSURE RH or LH FRONT or REAR TYRE	TPM (Tyre Pressure Monitoring) System	Amber	The tyre is significantly under inflated. You should stop the vehicle as soon as possible, check the tyres and inflate them to the recommended pressure.
CHECK PRESSURE SPARE TYRE	TPM System	Amber	The spare tyre is significantly under inflated. It should be inflated to the recommended pressure.
TYRE PRESSURE SENSOR FAULT	TPM System	Amber	You have a temporary spare wheel fitted. You should limit your vehicle speed to 80 km/h (50 mph) and, as soon as possible, replace the temporary spare wheel with a correctly inflated full size wheel.
			The TPM system sensor has become defective, an unapproved accessory is interfering with the TPM system or you have fitted a wheel and tyre which does not have a sensor. You should seek Jaguar Dealer/Authorised Repairer assistance at the earliest opportunity.
TYRE PRESSURE SYSTEM FAULT	TPM System	Amber	You have fitted wheels and tyres which do not have TPM sensors fitted. Fit sensors to the wheels at the earliest opportunity.
			TPM system sensors have become defective, an unapproved accessory is interfering with the TPM system or a general fault has been detected in the TPM system. You should seek Jaguar Dealer/Authorised Repairer assistance at the earliest opportunity.
TYRE PRESSURES LOW FOR SPEED	TPM System	Amber	The tyre pressures are not suitable for high speed driving. You should reduce vehicle speed and inflate the tyres to the recommended pressure for high speed driving.
SERVICE REQUIRED	None	Red	Displayed when vehicle service is required.

Message centre

Message	Warning indicator	Priority Indicator	Meaning
SERVICE REQ'D IN XXXX MLS (XXXX km).	None	Amber	Displayed when there is 3400 km (2000 miles) and less, to next vehicle service.
STEERING COLUMN LOCKED	None	Amber	The steering lock system has failed to unlock the steering column. The engine cannot be started. Remove the key and re-insert it into the ignition switch, then try again to unlock the column by turning the steering wheel gently to the left and right (only small movements will be possible).
GEARBOX 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 (OFF only)	Displayed when the stability control system is switched ON or OFF. The warning indicator will FLASH when the stability control system is switched ON and operating. When the system is switched OFF, the warning indicator in the instrument panel will be illuminated until the system is switched back ON.
WASHER FLUID LOW	Low washer fluid level	Amber	Indicates that the windscreen wash fluid level is low. If wash/wipe is selected when this message is displayed (even if it has been cleared from the message centre), the programmed wipe after washing will not operate. This is to avoid smearing the windscreen if the reservoir is empty. Top up the washer fluid at the earliest opportunity.
CHECK FUEL FILLER CAP	None	Amber	The fuel filler cap may be loose or leaking excessively.

Message centre

Message	Warning indicator	Priority Indicator	Meaning
VALET MODE	None	None	Indicates that the valet switch is selected on. It also indicates that an attempt has been made to open the luggage compartment using the interior release whilst valet mode is selected.
Note: In most countries it is illegal to use a vehicle with a defective exterior bulb. Bulb replacement information starts on page 197.			
FAILED FRONT LH (or RH) INDICATOR	None	Amber	Check for any failed front direction indicator lamps and replace.
FAILED REAR LH (or RH) INDICATOR	None	Amber	Check for any failed rear direction indicator lamps and replace. This also applies to any trailer/caravan lamps.
FAILED LEFT (or RIGHT) SIDE REPEATER	None	Amber	Check for failed side direction indicator repeater lamps and replace.
EXTERIOR LAMPS SWITCH IS OFF	None	Amber	This is displayed with the ignition on, the headlamps in the OFF position and it is dark or ambient light level is low. This message is displayed only when the lamps would be on if the switch were in AUTO position. It is a reminder to drivers who normally leave autolamp selected on and may not be aware that it has been turned off.
APPLY PARKBRAKE	None	Amber	If the battery has been disconnected then the EPB must be applied to reset the system.
PARKBRAKE ON	Brake	None	Displayed if the EPB is applied whilst the vehicle is moving above 3 km/h (2 mph). Release the EPB.
LISTENING	None	None	When Voice Activation has been selected and the system is waiting for a voice command/input.
COLUMN ADJUST	None	None	The column adjust switch has been moved to this position.
COLUMN ADJUST AUTO	None	None	The column adjust switch has been moved to this position.

Message centre

Message	Warning indicator	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 headlamps will remain ON after exiting the vehicle.
CRUISE ENGAGED	None	None	Displayed when cruise control system is operating.
CRUISE CANCELLED	None	None	Driver has cancelled cruise control or is braking.
CRUISE OVERRIDE	None	None	Driver is pressing the accelerator pedal.
The following messages only apply to vehicles fitted with Adaptive Cruise Control.			
DRIVER INTERVENE		Red	Action by the driver to apply the brakes is required.
SETSPEED XXX KM/H		None	Speed set for Adaptive Cruise Control.
GAP ← — →		None	Set the distance (time gap).
ACC SENSOR BLOCKED		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).
CRUISE NOT AVAILABLE		Amber	Adaptive cruise malfunction.
FORWARD ALERT ON (or OFF)		None	Forward alert feature has been switched ON or OFF. A warning will not be given for objects detected in the vehicle path of travel if forward alert is switched OFF.

Message centre

Message	Warning indicator	Priority Indicator	Meaning
FORWARD ALERT		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 symbol indicates that the system will warn when detected objects are further away than the previous setting.

Trip Computer

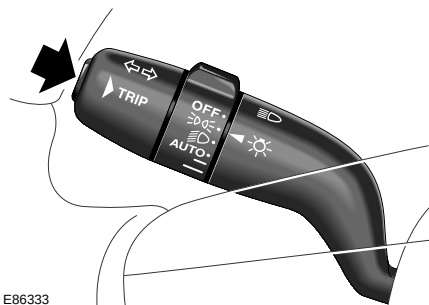
COMPUTER DISPLAY

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.



E86333

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

- Odometer.
- Trip distance.
- Range.
- Current fuel consumption.
- Average fuel economy.
- Average speed.
- Messages.

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 reading. This will be followed by any warning messages, if there are any, for example, **PASSENGER DOOR OPEN**.

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

Trip Distance (A/B)

This displays the distance travelled since the last memory reset.

The maximum trip reading is 16,090 kilometres (9999.9 miles). The computer, either A or B, will automatically reset to zero if this distance is exceeded.

Range

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

Current Fuel Consumption

Instantaneous or at the moment fuel consumption, which is continuously updated.

Average Fuel Consumption (A/B)

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

Average Speed (A/B)

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

Trip Computer

TRIP COMPUTER SWITCHPACK



E86334

ML/km

Pressing the 'ML/km' button 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.
- 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 or 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.

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 button to select the trip (A or B) to be reset.
3. Press the RESET button and hold for three 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.

Trip Computer

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, a further press will display the odometer reading.

If RESET is pressed again, all active messages will be re-displayed.

Repeatedly pressing the RESET button will cycle through the trip, odometer and message modes.

If a fault occurs when in trip computer or odometer mode, 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.

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

Exterior Lighting

LAMPS MASTER SWITCH



WARNING:

It is an offence in certain countries to obscure front and rear lamps, direction indicators and reflectors.

Switch positions

The exterior lamps are controlled by the left-hand column stalk switch.

The rotary collar on the stalk has positions for turning the exterior lamps on or off and positions for autolamps/exit delay. These are:

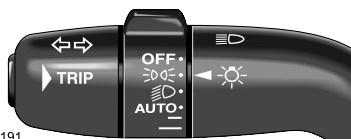
OFF



JOL3190

All exterior lamps OFF (except vehicles provided with daylight running lamps).

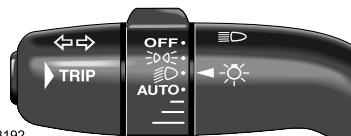
Sidelamps



JOL3191

Switches on front side lamps, tail, number plate and any other marker lamps required by local legislation.

Headlamps



JOL3192

With the ignition in position II, this position switches on low beam headlamps, in addition to the lamps switched on in sidelamp position.

The left-hand column stalk switch has two positions for controlling the high beam.

Pulling the switch towards the steering wheel and releasing causes the high beam to flash on and off. The high 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 high beam headlamps ON. With the ignition in position II, first select low beam lamps, and then push the column lamp switch away from the steering wheel.

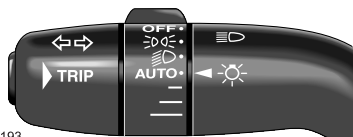
The blue warning lamp on the instrument panel and the high beam headlamps will come ON.

To turn high beam OFF, pull the column switch towards the steering wheel to return to low beam.

Note: If low beam is switched OFF with high beam still activated, both low and high beam will be extinguished. Both low and high beam will illuminate if low beam is turned on again.

Exterior Lighting

AUTOLAMPS



A light sensor control, mounted on the front of the fascia, monitors exterior light levels and automatically switches the sidelamps and low beam headlamps ON or OFF.

The ignition switch must be in position 'II' and AUTO selected on the stalk for full automatic lamp operation.

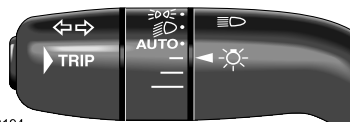
When light fades towards dusk, the sidelamps and headlamps will switch ON automatically and the sidelamp warning indicator in the instrument panel will illuminate.

At dawn, as light increases, the sidelamps and headlamps switch OFF automatically.

Keep the windscreen clean and do not cover the sensor. Obstructing the light in this area of the sensor may lead to unwanted operation of the sidelamps and headlamps.

If the windscreen wipers are switched on in auto, slow or fast modes for more than 20 seconds then the exterior lamps will be switched on, if selected to autolamps mode. The lamps will switch off two minutes after the wipers are switched off or will go off straight away if autolamps is de-selected or the ignition is turned off.

EXIT DELAY



When parking the car at night, if the headlamps were switched on then they will remain on for a short period after the key has been removed from the ignition switch. This is to give a clearly lit area for occupants leaving the vehicle.

If the exterior lamps switch rotary collar is in the AUTO position there will be no exit delay and the headlamps will turn off when the exterior lamps switch is turned off.

Three settings on the rotary collar set the time that the lamps will remain on after the key is removed from the ignition switch;

- 10 seconds.
- 30 seconds.
- 2 minutes.

Note: The ignition switch must be turned off or the key removed from the ignition switch for this feature to operate.

The message centre shows the delay setting or when this feature is turned off.

HEADLAMP CONVENIENCE

When approaching the vehicle, the sidelamps and headlamps can be switched on by pressing the headlamp button on the remote transmitter.

The lamps will come on for 25 seconds or can be switched off by pressing the remote transmitter headlamp button again.

Exterior Lighting

DAYLIGHT RUNNING LAMPS

In certain countries it is a legal requirement for the exterior lamps to be on during the hours of daylight.

With the rotary collar in the OFF position, low beam headlamps, sidelamps, tail lamps, number plate lamps and, where fitted, side marker lamps will switch on automatically with the following conditions:

- The ignition is turned to position II.
- The vehicle gear selector out of park.
- The Electric Parking Brake is not applied (released).

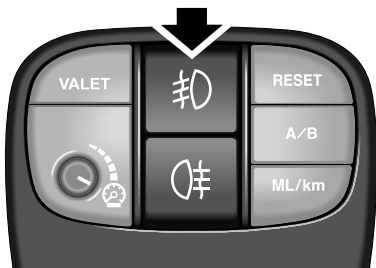
HEADLAMP LEVELLING

No manual control of headlamp levelling is required on this vehicle. The air suspension will keep the vehicle level.

FOG LAMPS

The fog lamps can only be switched on when the ignition switch is in position II.

Front fog lamps



E86308

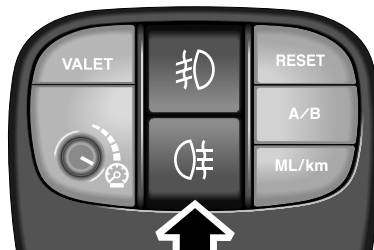
With the lamps on in sidelamp or low beam position, press the switch to turn on the front fog lamps. Pushing the switch again will turn off the front fog lamps.

A warning indicator in the instrument panel indicates that the fog lamp is on.

If the sidelamps are turned off, the fog lamps will automatically turn off.

Note: The front fog lamps should only be used when visibility is severely restricted by fog.

Rear fog lamps



E86309

The rear fog lamps can only be switched on if the low beam headlamps are on or if front fog lamps are switched on.

Press the switch to turn on the rear fog lamps. Pushing the switch again will turn off the rear fog lamps.

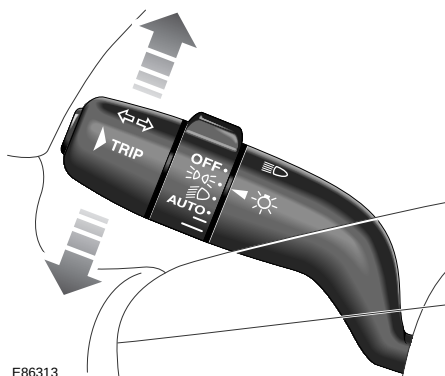
A warning indicator in the instrument panel indicates that the fog lamp is on.

When the side lamps are switched off the fog lamps will go off.

If the sidelamps are left on, but the ignition switch is turned to OFF, the fog lamps will switch off.

Exterior Lighting

DIRECTION INDICATORS



E86313

The direction indicators, the left column stalk, operate when the ignition is in position **II**. Move the stalk up for indicating a right turn or move it down to indicate a left turn.

Two positions are provided. The first position, partly 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, 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 panel indicates that the selected direction indicator is operating.

Exterior Lighting

Bulb failure

The direction indicators (including those on a trailer, if attached) and side repeaters are monitored for bulb failure.

If a bulb fails when it is on, a message is shown in the message centre. At the same time, the corresponding side green warning indicator will flash at twice the normal rate. The audible ticking will sound at twice the normal rate.

DOOR GUARD/PUDDLE LAMPS

Door guard lamps are fitted to each door to give warning of an open door to passing vehicles.

Puddle lamps illuminate the 'step out' area at night.

Each lamp comes on automatically when the door is opened. If the door is left open the lamps remain on for five minutes and then switch off.

APPROACH LAMPS

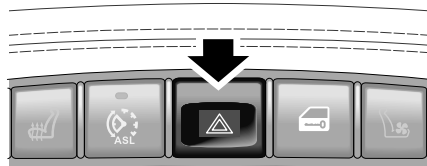
Approach lamps are fitted in the door mirrors to provide illumination for the floor area around the front doors.

The approach lamps come on when:

- The vehicle is unlocked using a key, a key transmitter or the central locking switch.
- Using the headlamp convenience button on the key transmitter.
- Reverse gear is selected.

The approach lamps will not illuminate if the autolamp sensor determines that the ambient light is sufficiently bright.

HAZARD WARNING



E86312

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.

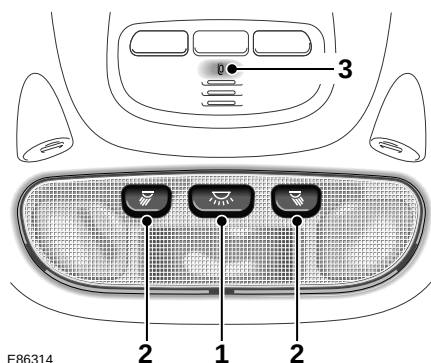
To operate, press the switch.

The direction indicators, the instrument panel green indicators and the audible warning will operate in unison. The switch symbol will illuminate.

To cancel, press the switch again.

Interior Lighting

CABIN LIGHTING



1. Front and rear courtesy lamps and footwell lamps.
2. Reading/map lamps.
3. Centre console illumination.

Interior lighting comprises front overhead courtesy lamp and two front and two rear reading/map lamps. Vanity mirror, glove compartment, footwell and luggage compartment lamps are also provided.

Pressing the centre switch (1) in the overhead console turns the front and rear courtesy lamps and footwell lamps on. A second press turns the lamps off.

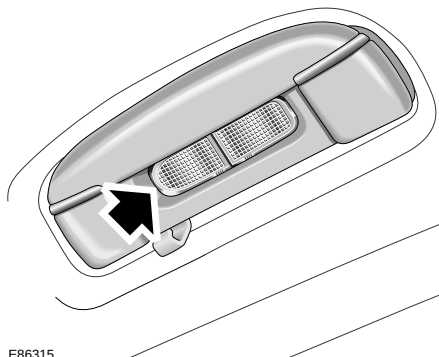
The centre console area is illuminated by a small lamp from the overhead console (3). This is on whenever the sidelamps are on and can be controlled by the dimmer switch.

Reading/map lamps

The reading/map lamps are turned on and off by individual switches (2).

The reading/map lamps will remain on for up to 15 minutes after the ignition has been turned off.

Rear Lighting



The rear interior lamps can be switched on or off by pressing the lens cover.

Illuminated entry/Exit

The interior lamps fade on when a door is opened and go out when the engine is started or 15 seconds after the last door is closed. If any door is left open, the lamps will fade off after two minutes.

When the vehicle is unlocked with a key or the key transmitter, the courtesy lamps will come on at maximum brightness for two minutes if a door is not opened.

With the engine running, opening any door will put on all interior lamps, they will go out immediately after the last door is closed.

Glove compartment

The glove compartment will be illuminated when the lid is opened.

Luggage Compartment Lighting

The luggage compartment will be illuminated when the lid is opened.

Interior Lighting

DIMMER SWITCH



JAG0604

The instruments, switchpacks, in-car entertainment panel and climate control panel will be lit when the exterior lamps 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.

BATTERY SAVER

If the interior lamps are switched on using the centre switch in the overhead console and the ignition switch is turned to position **0**, the lamps will automatically turn OFF after 40 minutes.

If the interior lamps are switched on by opening a door and a key is left in the ignition switch in position **0**, the lamps will automatically turn off after ten minutes.

If the glove compartment or vanity mirror lamps are switched on and the ignition switch is turned to position **0** or the key is removed, the lamps will automatically turn OFF after 40 minutes.

Parking Assist

INTRODUCTION



WARNING:

Parking aids may not detect moving objects such as children and animals until they are dangerously close.

Always use extreme caution when manoeuvring.

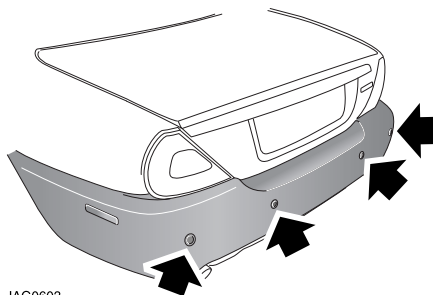
Parking assist is always automatically switched on when the ignition is turned on.

Caution: Parking aids are for guidance only, and are not intended to replace the driver's visual checks for obstructions when manoeuvring.

Caution: PDC sensors may not detect some obstructions. Obstructions such as narrow posts, small objects close to the ground, and some objects with dark non-reflective surfaces, for example.

Caution: Systems which use the same frequency band as the front PDC sensors may cause irregular tones to be emitted.

Caution: When washing the vehicle do not aim high pressure water jets directly at the sensors. Do not use abrasive materials or hard/sharp objects to clean the sensors. Only use approved vehicle shampoo.



JAG0603

Note:

- For reliable operation, the sensors in the front (if fitted) and rear bumpers should be kept free from frost, ice and grime.
- When using a high pressure spray the sensors should only be sprayed briefly and at least 200 mm (8 inches) distance from the sensors.
- Front parking assist may sound spurious tones if it detects a frequency tone using the same band as the sensors, for example, a motor cycle exhaust.

Towing

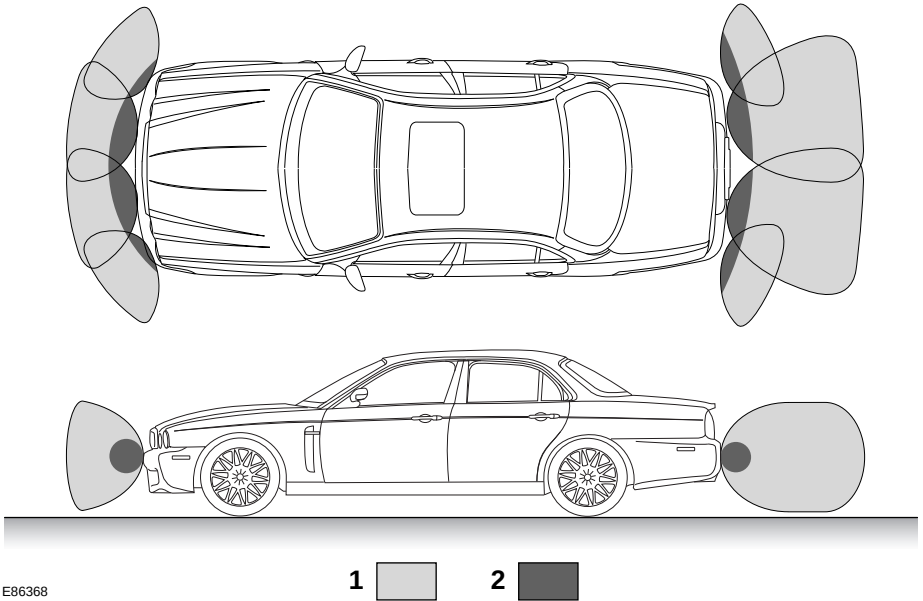
When an approved Jaguar tow bar electrical system is fitted, the rear parking assist is automatically turned off if a trailer is attached to the vehicle.

Rear fitted accessories

Particular care must be taken with rear fitted accessories, for example, a tow bar or a bicycle carrier, as the rear park assist will only indicate the distance from the bumper to the obstacle.

Parking Assist

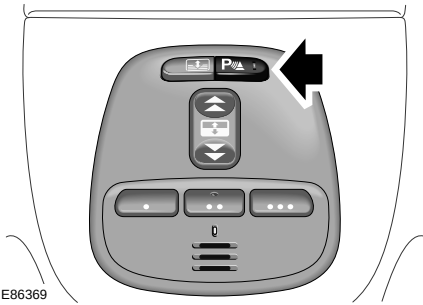
PARKING ASSIST



When reverse gear is selected and ignition is on, rear parking assist automatically provides an audible proximity warning (to the nearest detected obstacle) when reversing the vehicle, if obstacles are detected within the operating range, shown in the illustration above, between approximately:

1. 600 mm (24 inches)
2. 1600 mm (63 inches)

Parking Assist



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 switch integral warning lamp 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.*

Front parking assist provides an audible proximity warning when driving forwards if objects are detected within the operating range, shown in the illustration below in the approximate range:

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).

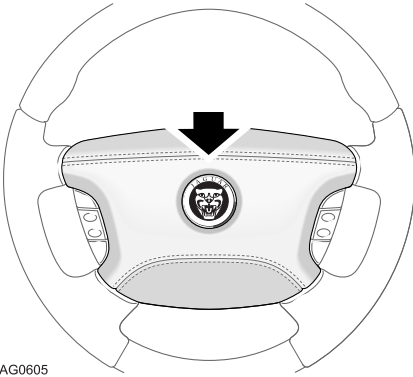
If an obstacle is detected at the front or rear of the vehicle, a beep tone will be heard from the front or rear speaker respectively, which increases in rate as the vehicle approaches the obstacle.

The front or rear parking assist beep will become continuous when the obstacle is detected at or within 300 mm (12 inches) from the rear or approximate 250 mm (10 inches) 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 lamp will come on. The system is automatically disabled when a fault is detected.

Horn

DUAL TONE HORN



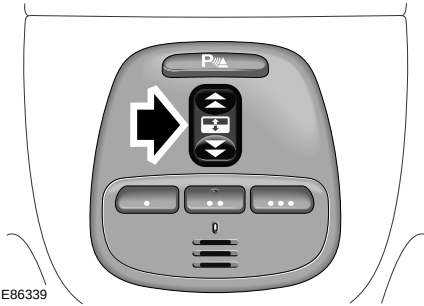
JAG0605

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.

Sunroof

INTRODUCTION



WARNING:

Extreme care must be taken to ensure that none of the occupants have any part of their body in a position where it could be trapped by the panoramic sunroof when closing. Although an anti-trap mechanism is fitted, serious injuries can occur.

The sunroof switch is located in the overhead console. The ignition switch must be in either position **I** or **II** for the sunroof to operate.

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

OPERATION

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

- 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.

Sunroof

Sunshade operation

The sunshade can be manually opened and closed using the recessed handle.

Note: *When the sunroof is fully open the sunshade is also fully open and, because the recessed handle is hidden, it cannot be manually closed from this position. The sunroof will need to be fully closed to gain access to the recessed handle.*

Wipers and Washers

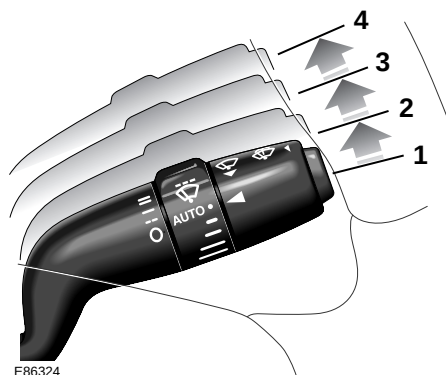
WINDSCREEN WIPERS

Caution: Do not operate the windscreen wipers on a dry screen. The drag on the wiper mechanism may cause damage.

Caution: In freezing, or very hot conditions ensure that the wipers have not stuck to the windscreen before operating. The drag on the wiper mechanism may cause damage.

Caution: Remove any snow, ice, or frost from the windscreen, around the wiper arms and blades and the screen scuttle before operating the wipers. Snow and ice can cause damage to the wiper mechanism if left uncleared.

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.



Moving the stalk up or down operates or turns off the windscreen wipers.

The stalk functions are as follows:

- Position (1):
The windscreen wipers are OFF and parked.

- First position (2):
Intermittent wipe.
- Second position (3):
Slow speed wiper operation.
- Third position (4):
High speed wiper operation.

Intermittent wipe

When intermittent wipe is selected the delay between wipes can be varied. Turn the collar to vary the delay from 2 seconds to 20 seconds.

Flick wipe

Pull the column switch towards the steering wheel 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 to AUTO) and intermittent wipe are selected, the wipers will automatically operate to clear the windscreen 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.

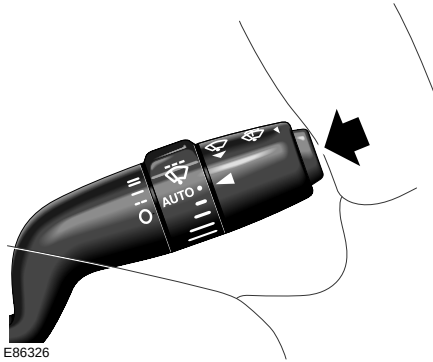
Note: When starting a journey with a wet windscreen, the rain sensing wipers will not operate immediately the ignition is switched on. Therefore, a flick wipe should be used to clear the windscreen of any moisture.

Caution:

Ensure that AUTO is not selected when entering a car wash or damage to the wiper blades/arms can occur.

Wipers and Washers

WINDSCREEN WASH/WIPE



WARNING:

Some screenwash products are flammable, do not allow screenwash to come into contact with sources of ignition.

Push the button on the end of the stalk 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 up to three further wipes. A single wipe will take place four seconds after the last wipe to clear any drips of water from the windscreen.

If rain sensitive wipers are fitted and selected then the wipers will operate until no moisture is detected.

HEADLAMP POWERWASH

The headlamp powerwash units (if fitted) are mounted between the front headlamps.

The headlamp powerwash feature will operate if the ignition is in position **II** and low or high beam headlamps are switched ON. It will not operate if the washer fluid level is low.

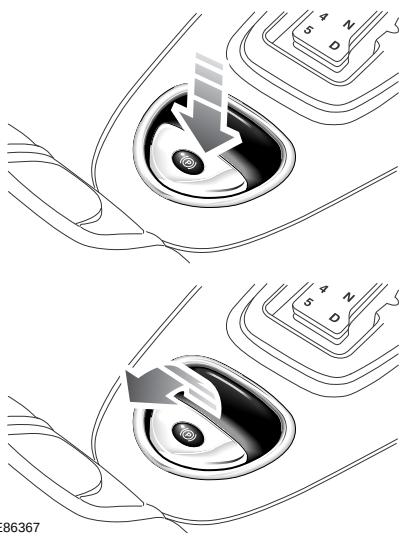
When the windscreen wash/wipe button is pressed, the headlamp powerwash directs two short bursts, three seconds apart, at the headlamps. If the wash/wipe button is held, the headlamp wash cycle will continue for up to 20 seconds.

The headlamp powerwash will operate the first time the wash/wipe button is pressed and thereafter every sixth succeeding wash/wipe operation. If the headlamps or ignition are switched OFF and ON again, headlamp powerwash will operate on the next press of the wash/wipe button.

Note: *If the washer fluid level is low in the reservoir, the windscreen wipers will not operate when windscreen wash is selected, even though there may be washer fluid remaining in the reservoir and sprayed onto the screen. This is to prevent damage to the blades, or scratching of the glass, or smearing dirt across the screen.*

Parkbrake

ELECTRIC PARKING BRAKE OPERATION



E86367

The switch which operates the EPB is mounted on the centre console to the rear of the gear selector.

To engage the EPB, pull the EPB switch upwards and release. The switch will return to the neutral position. The EPB warning/brake fluid low warning indicator on the instrument panel will illuminate.

To disengage the EPB, with the ignition switch in position **II** or with the engine running, apply the footbrake and press the EPB switch down.

The EPB is automatically released when the gear selector is moved from the Park **P** position.

If the vehicle is stationary and the gear selector is in **D** or **R** and the EPB is applied, then the EPB will automatically release when the accelerator pedal is depressed.

Inadvertent operation of the EPB whilst the vehicle is in motion will cause the message **PARKBRAKE ON** to be displayed on the message centre, the warning indicator in the instrument panel will be illuminated and a warning chime will sound.

If the EPB is applied whilst the vehicle is moving, push the switch down to release it. If the switch is in the neutral position after EPB application, depressing the accelerator pedal will release the EPB.

Note: *If the vehicle is in motion, the EPB should only be used as an emergency brake.*

The EPB is automatically applied when the key is removed from the ignition switch. If you wish to keep the EPB off, press and hold the EPB switch down and, at the same time, remove the key.

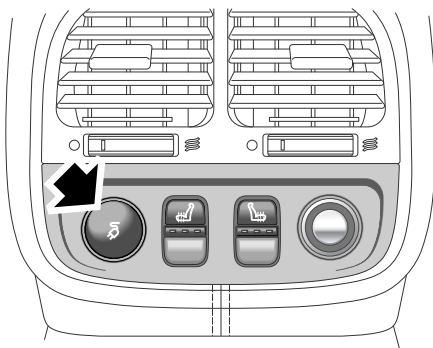
Caution: **Take care that the vehicle is safely parked to prevent it from rolling if you wish to leave the EPB off.**

The warning indicator in the instrument panel will remain on for a short time if the EPB is applied when the key is turned to position **0** or if the key is removed.

If the battery has been discharged or disconnected the message **APPLY PARKBRAKE** will be displayed when the ignition is next switched on. Depress the footbrake and pull the EPB switch up to apply the EPB. This is required to reset the EPB system which will now function correctly.

Interior Features

ACCESSORY POWER POINTS



E86361

There are two sockets to provide a power source for accessories, such as a 12-volt vacuum cleaner or mobile phone.

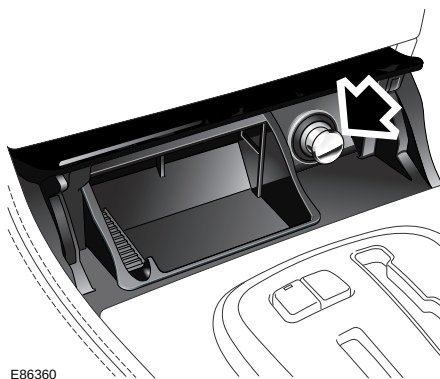
One is fitted to the end of the centre console to the left of the cigar lighter, beneath a flip lid.

The other accessories socket is located in the glove compartment (not shown).

Caution: Only Jaguar approved accessories should be plugged into the power sockets. Using any other equipment may damage the vehicle's electrical system. If you are in any doubt contact a Jaguar Dealer/Authorised Repairer.

Caution: The engine should be running when using accessories for long periods. Failure to do so can discharge the battery.

CIGAR LIGHTER AND ASHTRAY



E86360

Push the lid to gain access to the front cigar lighter and ashtray. 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, it is self-cleaning.

The cigar lighter is designed to be used just to heat the lighter element and is 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.



WARNING:

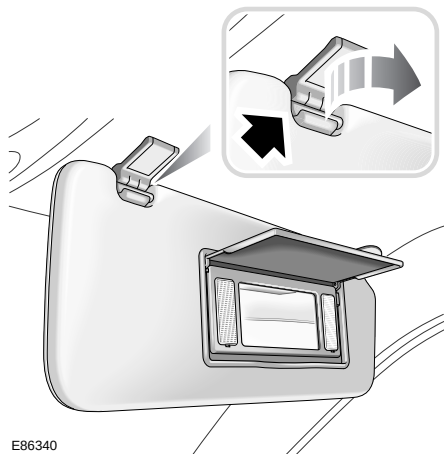
Do not use the ashtrays for disposing of waste paper, or other combustible items. The resulting fire may cause death or serious injury.

Interior Features

Passenger door ashtrays

To remove the passenger door ashtray, open the ashtray cover by lightly pressing downwards. When the cover is fully open, lightly push it towards the door trim and remove.

SUN VISORS AND VANITY MIRRORS

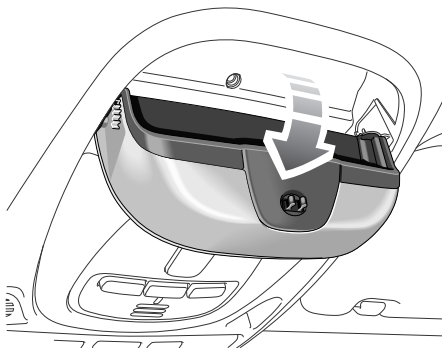


E86340

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 lamp comes on when the flap is lifted.

SUNGLASSES STOWAGE

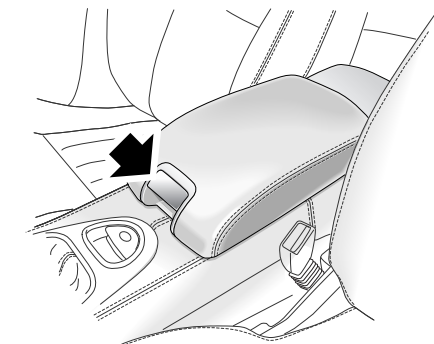
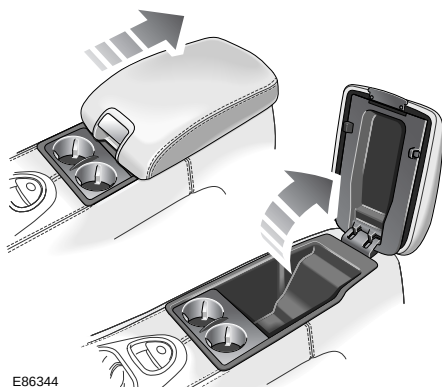


E86343

A compartment for stowing sunglasses or spectacles is located in the overhead console. Push upwards to open.

Interior Features

CENTRE CONSOLE



E86344

The centre console carries the armrest, cupholders, the cubby box and (where fitted) the phone. At the rear of the centre console is a cigar lighter and accessory power point.

Cupholders



WARNING:

The cup and bottle holders should only be used for soft containers. Containers which are hard (cans, metal, ceramic, hard plastic etc.) can cause serious injury if the vehicle is involved in an accident, sudden manoeuvre or braking.



WARNING:

Do not carry open drinks containers. Hot liquids can cause serious injury when spilled and may damage the vehicle.



WARNING:

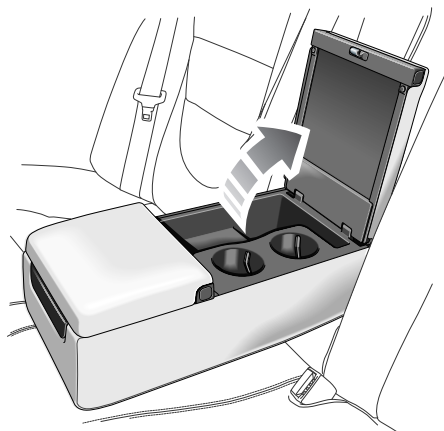
Do not drink, or use the drinks holders when driving. Doing so would break concentration, which may result in loss of control.

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 and (when fitted) the telephone.

To expose the two cupholders, slide the armrest rearwards.

Interior Features

REAR ARMREST



E86358



WARNING:

The cup and bottle holders should only be used for soft containers. Containers which are hard (cans, metal, ceramic, hard plastic etc.) can cause serious injury if the vehicle is involved in an accident, sudden manoeuvre or braking.



WARNING:

Do not carry open drinks containers. Hot liquids can cause serious injury when spilled and may damage the vehicle.

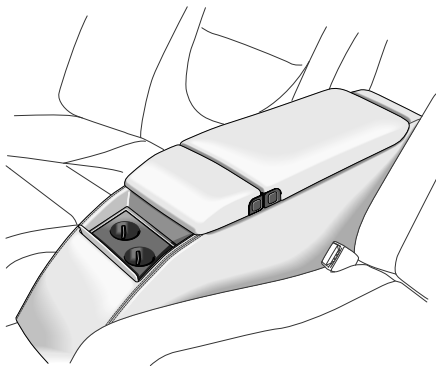


WARNING:

Do not drink, or use the drinks holders when driving. Doing so would break concentration, which may result in loss of control.

Depending on vehicle specification there can either be a rear armrest or a rear centre console fitted.

To access the cupholders in the rear armrest, press the two buttons on the rear hinged lid and raise it. The cupholders can then be used as required.



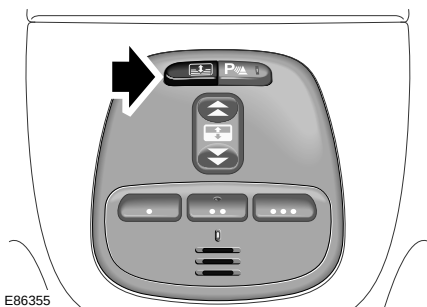
E86359

To access the cupholders in the rear centre console, push and release the rear of the lid which will then fold forwards exposing the two cupholders. To close the lid, fold rearwards and push it shut to cover the two cupholders.

Interior Features

SUNBLINDS

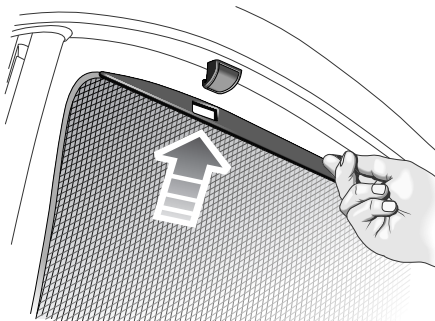
Rear sunblind



E86355

Push the switch to raise the sunblind.
To lower the sunblind, push the switch again.

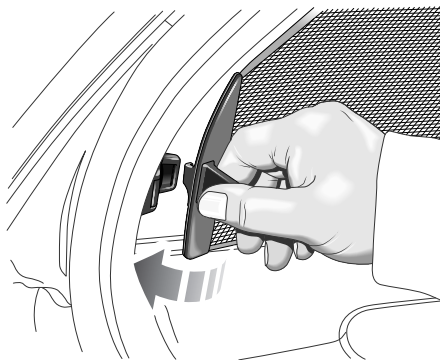
Side sunblinds



E86356

The rear door window sunblinds are manually operated by lifting the blind and securing it in the two clips provided. To lower the blind just unhook it from the clips and lower it gently back into the stowage.

Quarter light sunblinds



E86357



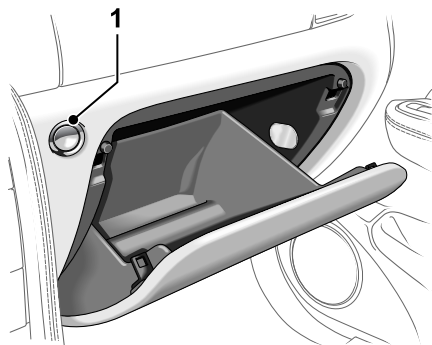
WARNING:

Take care when releasing the quarter light blind because it could strike your face if it slips from your hand.

Quarter light blinds have a single securing clip. Pull the blind rearwards and locate it in the clip. To stow the blind, unhook it and gently let it return into the stowage.

Interior Features

GLOVE COMPARTMENT



JAG0641

To open the glove compartment, press and release the button **(1)**.

If the glove release button is pressed more than 15 times within a 20 second duration, the glove opening function will be inhibited.

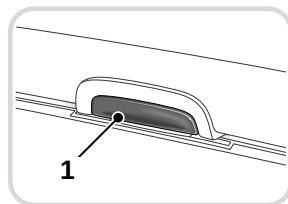
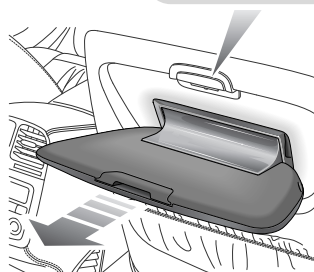
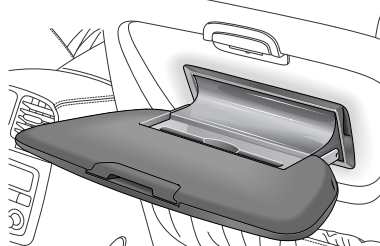
It will then be necessary to wait for 20 seconds before the glove opening function will be reactivated.

The glove compartment cannot be opened when the following conditions occur:

1. The vehicle is being driven using the green-headed valet key and valet mode has been selected, or,
2. The vehicle is centrally or double-locked via the remote transmitter, or via the driver's door key barrel by turning the key towards the rear of the vehicle and releasing, or, after auto-relocking occurs.

BUSINESS TRAY

(where fitted)



E86363

Push the button **(1)** to release the tray.

To extend the tray, pull it towards you. This will expose the pen holder slot.

To replace the tray, push it forwards to its non-extended position and then lift it upwards and push it into the seat back until it clicks into place.

Do not use the tray in a moving vehicle. Stow away securely when not in use.

Engine Starting

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 that the Electric Parking Brake (EPB) is ON and the gear selector lever (automatic transmission) is in position P or N.

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 EPB and select **N**.

Manual transmission

When the vehicle is stationary it is advisable to apply the EPB and to move the gear selector to the Neutral position.

STARTING A PETROL ENGINE



WARNING:

Never start the engine, or leave it running, when the vehicle is in an enclosed space. Exhaust gasses are poisonous and can cause unconsciousness and death if inhaled.

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. Wait until the engine stops turning before re-using the starter.

When the engine starts, release the key.

The red charge warning indicator in the instrument panel 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 indicator is flashing, it is possible that the engine will not start. In any event, please contact a Jaguar Dealer /Authorised Repairer to investigate the cause of the indicator flashing.

Caution: If the engine fails to start, do not continue cranking as this will discharge the battery. It may also damage the catalytic convertor due to unburnt fuel passing through the exhaust.

It is possible that the fuel system inertia switch may have tripped, see page 184 for the resetting procedure.

Engine Starting

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 /Authorised Repairer.

Stopping a petrol engine and locking the steering

Turn the key from position **II** to the lock position **0**. 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.

STARTING A DIESEL ENGINE



WARNING:

Never start the engine, or leave it running, when the vehicle is in an enclosed space. Exhaust gasses are poisonous and can cause unconsciousness and death if inhaled.



Insert the key into the ignition switch and turn clockwise to position **II**. Ensure the glow plug indicator illuminates.

Once the indicator has extinguished, depress the clutch and do not touch the accelerator pedal. Turn the key to position **III** to turn the starter motor. Continue to operate the starter motor without pausing, until the engine starts. Once the engine has started, release the key, which will return to position **II**.

Caution: **If the engine fails to start, do not continue cranking as this will discharge the battery.**

If the engine stalls or fails to start, the key must be turned to position **I** before attempting to restart.

At extremely low temperatures it may be necessary to crank the engine for up to 30 seconds.

Caution: **Do not let the engine run under full load immediately after starting. Give the lubricating oil time to reach the oiling points to prevent damage to the engine.**

Stopping a diesel engine and locking the steering

Release the accelerator pedal. Wait until the engine has reached idle speed, then turn the key from position **II** to the lock position **0**. This will turn off the engine. The steering will be locked when the key is removed from the switch.

Caution: **Do not depress the accelerator pedal. If the engine is switched off at high speed, the turbocharger will continue running after the engine oil pressure has dropped to zero. This will cause premature wear of the turbocharger bearings.**

Leaving the key in position **I** or **II** will discharge the battery.

Engine Starting

Caution: Especially after driving at high engine speeds for any length of time, it is important to let the engine run for a time (one minute) while stationary before switching it off. This allows the turbocharger turbine blades to cool off, while lubrication is still being fed to the turbocharger bearings.

PARKING THE VEHICLE

When leaving the vehicle, remember the following:

- Whenever the vehicle is being parked, apply the EPB 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 bonnet are closed.

Transmission

GEARSHIFT INTERLOCK

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

To move the gear selector from Park:

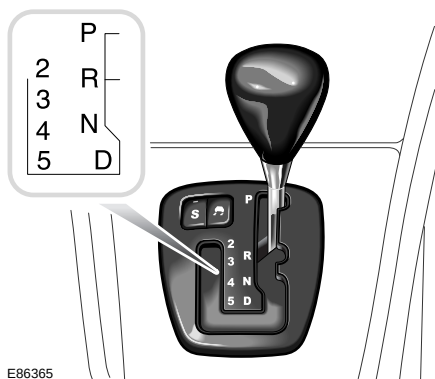
1. Turn the ignition key to position **II** or start the engine.
2. Press the brake pedal.

Note: Under the following conditions, the brake pedal must be released and re-applied before moving the gear selector from Park:

- The gear selector was moved into Park while the brake pedal was depressed or;
- The brake pedal was depressed while the ignition was switched ON.

In either case the letter **P** for PARK on the gearshift will flash to indicate that the interlock is still active.

GEAR SELECTOR LEVER



E86365

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.

Gear selector positions



WARNING:

The EPB 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 EPB when stopping temporarily.

Note:

- After selecting forward or reverse drive ranges from Neutral or Park, wait briefly for the transmission to engage before accelerating.
- When in Neutral or Park the engine can only be accelerated to 4500 rev/min.

R = Reverse – Do not select if the vehicle is moving forward.

The reversing lamps 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.

Transmission

2, 3, 4, 5 = If selected, the transmission operates automatically in second, third, fourth or fifth gear but will not engage gears higher than the one selected.

When the vehicle is stationary the automatic gear selector may be left in **D**, **2, 3, 4**, or **5**, unless the vehicle is to be parked. When stopping for traffic lights, junctions etc., either select **P** or apply the EPB and select **N**.

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 appropriate road speeds.

Reverse 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 pedal is pressed fully down, beyond the normal operating range and against a 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 pressed fully down.

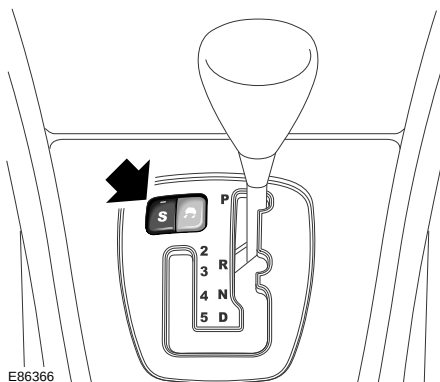
Limp home mode

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/Authorised Repairer immediately.

Transmission

SPORT MODE



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.

To select Sport, press the switch. A red indicator 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 transmission mode. For example, with **S** selected, the transmission can be operated in full automatic mode 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.

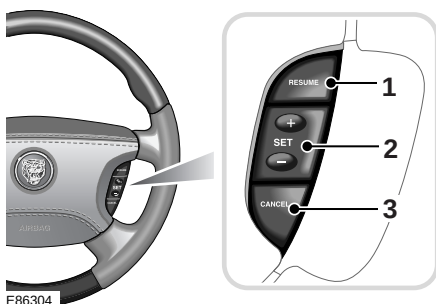
Note: Under the conditions previously described, the relevant transmission mode will override the **N** or **S** modes selected by the driver. When such conditions no longer exist, the transmission will revert to the shift pattern previously selected by the driver, i.e. **N** or **S**.

Cruise (Speed) Control

INTRODUCTION

The cruise (speed) control system, when fitted, can be used by the driver to maintain a selected vehicle speed above 28 km/h (17.5 mph) without the driver having to use the accelerator.

Switches on the steering wheel allow the driver manual control of the system. Brake operation also influences the cruise control system.



1. **RESUME** - to resume the set speed retained in memory.
2. **SET** - to set the speed or increase/decrease the set speed when the speed has been set.
3. **CANCEL** - cancels cruise control but retains the set speed in memory.

OPERATION

Setting the 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 28 km/h (17.5 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 26 km/h (16 mph).

Changing the set speed

There are three ways to change the set speed:

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

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 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 28 km/h (17.5 mph).

RESUME will not operate if the ignition has been turned off.

Cruise (Speed) Control

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.

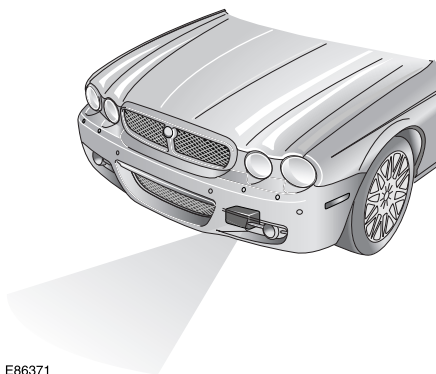
Cruise control automatic switch off

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 26 km/h (16 mph).
- Neutral, Park or Reverse gear positions are selected.
- Dynamic Stability Control (DSC) is operating.
- The difference between the actual and set speed is too great.
- The vehicle reaches a maximum speed of 230 km/h (144 mph).
- The accelerator pedal is used to accelerate beyond the set speed for too long a period.

Adaptive Cruise Control (ACC)

PRINCIPLE OF OPERATION



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 react to:

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

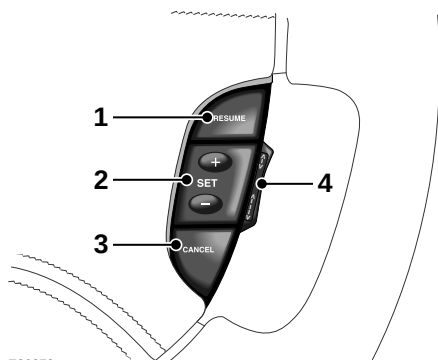
The Adaptive Cruise Control system is based on the use of a radar sensor which projects a beam directly forward of the vehicle so as to detect objects ahead.

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.

- 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 driver's 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 (ACC)

USING ACC



E86372

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 pedal.

The steering wheel switches operate as follows:

1. **RESUME** - to resume the set speed retained in memory.
2. **SET** - to set the speed or increase/decrease the set speed when the speed has been set.
3. **CANCEL** - cancels cruise control, but retains the set speed in memory.
4. **GAP** - increase or decrease.

Setting the speed

Accelerate as normal until the required speed is reached.

Press the SET (+) button 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.

SET SPEED
80 KM(50 MPH)
(80 KM/H)

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.
- 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 34 km/h and 180 km/h (20 mph and 110 mph) 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.

Adaptive Cruise Control (ACC)

Entering the follow mode set gap



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, 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 indicator in the instrument panel 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.
- 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. 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.

This is accompanied by a red warning indicator and **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.

Changing the follow mode set gap

The gap from the vehicle ahead can be decreased or increased by pressing the gap setting rocker switch on the steering wheel.

Four gaps are available and the selected gap setting will be displayed on the message centre when the rocker switch is pressed.

After the ignition is switched ON the default gap will be automatically selected ready for ACC operation.

Adaptive Cruise Control (ACC)

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

Overriding the speed and 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 panel warning indicator 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.

Automatic low speed 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 panel warning indicator 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, a red warning indicator and **DRIVER INTERVENE** will be displayed on the message centre. The driver must take control.

Automatic switch off

Adaptive Cruise Control will disengage, but not clear the memory when:

- The **CANCEL** button is pressed.
- The brake pedal is pressed.
- Neutral, Park or Reverse gear positions are selected.
- Dynamic Stability Control (DSC) activates.

Adaptive Cruise Control will disengage and clear the memory when:

- The ignition switch is switched OFF.
- Maximum vehicle speed is reached.
- A fault occurs in the ACC system.

Resuming the set speed/follow mode

Caution: RESUME should only be used if the driver is aware of the set speed and intends to return to it.

By pressing the RESUME button 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.

Hints on driving with ACC.

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.

Adaptive Cruise Control (ACC)

An audible alarm will sound, accompanied by a red warning indicator and the message **DRIVER INTERVENE** if the ACC detects:

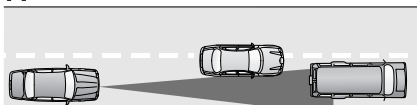
- That a failure has occurred whilst the system is active.
- That using maximum ACC braking only is not sufficient.
- That the vehicle speed has decreased below the minimum for ACC operation.

Note:

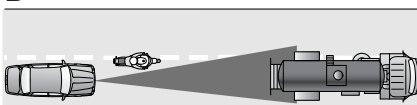
- *Adaptive cruise control operates when the gear selector lever is in position 2, 3, 4, 5 or D.*
- *When engaged, the accelerator pedal rests in the raised position. Fully release the pedal to allow normal ACC operation.*

Detection beam issues

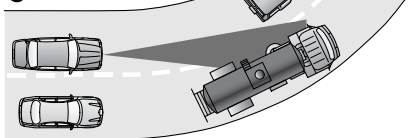
A



B



C



JOL3033

Detection issues can occur:

- When driving on a different line to the vehicle in front (**A**).
- With vehicles that 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 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.

Adaptive Cruise Control (ACC)

ACC malfunction

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.

A red warning indicator and the message **DRIVER INTERVENE** appear briefly, and are then replaced by an amber warning indicator and the message **CRUISE NOT AVAILABLE**.

If failure of the ACC or any related system occurs at any other time, an amber warning indicator will be displayed accompanied by the message **CRUISE NOT AVAILABLE**. 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 red warning indicator is displayed, the audible alarm sounds and the message **DRIVER INTERVENE** appears briefly.

These warnings are then replaced by the amber warning indicator and the message **ACC SENSOR BLOCKED** is 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 amber warning indicator will be displayed with the message **ACC SENSOR BLOCKED**.

Tyres other than those recommended may have different sizes. This can affect the correct operation of the ACC.

FORWARD ALERT FUNCTION



E86374

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 a 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 lamp 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 decreases the sensitivity of the alert.
- Press the gap increase button displays and then increases the sensitivity of the alert.

Both of these are accompanied by the **FORWARD ALERT** message on the message centre.

Automatic Speed Limiter

PRINCIPLE OF OPERATION

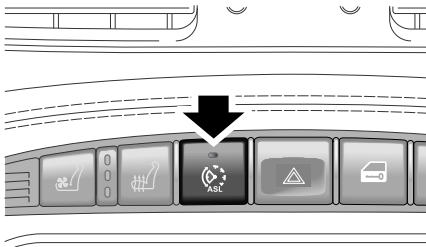


WARNING:

Automatic Speed Limiter (ASL) set speeds must be within local speed restriction limits. The driver must always ensure that a safe speed is set, taking into account the prevailing traffic and road conditions.

ASL can be used in a situation where varying vehicle speed is likely, but a maximum speed must not be exceeded.

For example, where a local speed limit is 80km/h (50mph), the set speed could be at that limit or just under. The driver is then safe in the knowledge that the local speed limit cannot be exceeded while ASL is operating.



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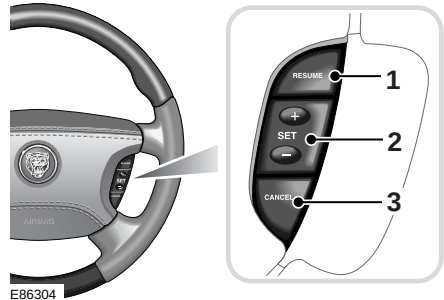
The ASL button allows the driver to select between cruise control and the automatic speed limiter.

The ASL can be to any speed between 30 km/h (18 mph) to 240 km/h (150 mph).

When the ASL system is selected, the tell-tale status indicator in the switch will illuminate. When the ASL button is pressed again, the indicator will extinguish, ASL will be cancelled and cruise control will be available again.

USING THE ASL

Setting a speed limit



1. Press the **ASL** button. The tell tale indicator in the switch will illuminate.
2. Press the **RESUME** button (1).
While a speed is being set or altered the message centre display will show the selected speed.
3. Use the **+/-** buttons (2) to set the required speed.
4. The set speed can be adjusted at any time by pressing the **+/-** buttons (2).
While a speed limit is being set or altered, a message is displayed on the message centre.

**LIMITER SET
XXX km/h (MPH)**

Automatic Speed Limiter

Note: The message is also displayed at other times as an information display.

When ASL is selected and a set speed inserted, the engine will respond normally up to the set speed. Further accelerator pedal pressure will not increase the vehicle speed beyond your set speed.

Suspending ASL

ASL can be suspended by pressing the **CANCEL** button (3). Applying sudden, rapid acceleration (kickdown) will also suspend ASL.

**LIMITER
CANCELLED**

Resuming ASL

If ASL has been suspended, it can be reinstated with a single press of the **RESUME** button (1), however, ASL will only reinstate if the vehicle speed is less than the current speed set in memory and greater than 30 km/h (18 mph). The message centre will display an appropriate message if the vehicle speed is too fast to resume ASL.

**TOO FAST TO
RESUME LIMIT**

Exceeding the set speed

If the set speed is exceeded, e.g. on a steep downhill section, the message centre will display an appropriate message along with an amber warning indicator.

**OVER LIMIT
XXX km/h (MPH)**

There are three categories of over limit displays:

1. If the set speed is exceeded by up to 15 km/h (9 mph), the message centre will display the message along with an amber warning indicator.
2. If the set speed is exceeded by more than 15 km/h (9 mph), the message centre will display the message along with a flashing amber warning indicator.
3. If the set speed is exceeded by more than 15 km/h (9 mph) for a duration of five seconds, the message centre will display the message along with a flashing amber warning indicator and also give an audible warning tone.

Use your brakes to rectify the situation.

ASL unavailable

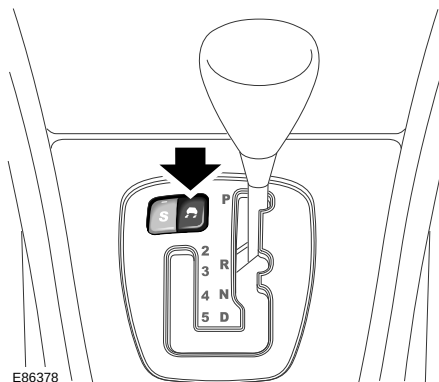
If ASL is not available due to a fault, the message centre will display an appropriate message along with an amber warning indicator.

**LIMITER NOT
AVAILABLE**

When the ignition is switched off, ASL is deactivated and any set speed is deleted from memory.

Stability Control

DYNAMIC STABILITY CONTROL (DSC)



Unless it has been switched off, Dynamic StabilityControl is operational whenever the engine is running. If the system is operating, the warning indicator in the instrument panel will flash.

The Dynamic Stability Control (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 and the other on tarmac.

ABS helps to prevent the road wheels from locking and skidding during emergency braking.

When the ABS system is operating, the warning indicator in the instrument panel will flash.

The Dynamic Stability Control system can be switched OFF by pressing the switch on the centre console switchpack. The warning indicator in the instrument panel will remain on and a message will be shown to indicate that the system has been switched OFF. If the switch is pressed again the system will switch ON.

If cruise control is engaged it will automatically disengage if stability control activates.

A system malfunction is indicated by the illumination of the amber DSC warning indicator and the message **DSC FAULT**.

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/Authorised Repairer as soon as possible.

Stability Control



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**.

Braking System

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 tyre/road adhesion.



WARNING:

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.



WARNING:

The addition of ABS cannot overcome the consequences of trying to stop in too short a distance or cornering at too high a speed, or the risk of aquaplaning.



WARNING:

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 tyre/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. Tyres 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 tyre/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 tyre/road adhesion.

Under severe braking on some road surfaces tyre 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 indicator 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.

Braking System

Hints on driving with ABS

The Anti-lock Brake System (ABS) helps the driver to maintain full steering and directional stability during emergency braking by preventing the road wheels from locking and skidding. ABS constantly monitors the speed of each road wheel and varies brake pressure to each, according to the available grip. ABS optimizes the tyre-to-road adhesion under maximum braking.

When ABS is activated, you will feel a pulsating effect on the brake pedal. This is normal and you must maintain maximum pressure on the brake pedal for ABS to be effective.

ABS will enable you to steer around obstacles during emergency braking. ABS will not eliminate the dangers inherent when:

- driving too close to the vehicle in front of you
- aquaplaning
- cornering with excessive speed
- poor road surfaces.

Anti-lock Brake System (ABS) warning indicator



WARNING:

If the ABS warning indicator illuminates whilst driving, avoid heavy braking. Seek qualified assistance as soon as possible. Failure to follow this instruction may lead to personal injury or loss of vehicle control.

If a fault is detected in the ABS, the ABS warning indicator will illuminate. Drive with care if the ABS warning indicator illuminates or remains on after the bulb check cycle. The brake system will continue to function normally, but without ABS braking.

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 responsibility for exercising due care and attention when driving.

Suspension

AIR SUSPENSION

This vehicle is fitted with a fully automatic air suspension system. It ensures that the vehicle is always at the correct ride height with varying load conditions, including luggage compartment load or when towing.

The system will automatically adjust the amount of air in the springs to level the vehicle. Air is supplied either from an air reservoir or a compressor. The compressor will run periodically to refill the reservoir.

Changes in ambient temperature will also have an effect on vehicle height when the vehicle is parked.

Caution:

- **Do not overload the vehicle. Vehicle load weights are shown on page 248.**
- **A slight air loss is expected over time causing the vehicle to lower, so do not store or place anything under the vehicle if it is to be left for an extended period.**

Speed lowering

When driving at motorway speeds, the system will lower the vehicle to improve aerodynamics and vehicle stability. The suspension will automatically return the vehicle to the normal height when the vehicle slows.

Changes in ambient temperature will also have an effect on vehicle height when the vehicle is parked.

Speed lowering is undesirable when towing. Only Jaguar approved towing equipment will not allow this feature.

Warning messages

If the message **VEHICLE TOO LOW** is displayed when the ignition is switched on, start the engine and wait for the suspension to raise. The vehicle should not be driven until the message is cleared.

If the message **VEHICLE TOO LOW** is displayed when driving, restrict the vehicle speed and wait for the system to regain the correct height and the message will then clear. If the message is displayed frequently, inform your Dealer/Authorised Repairer to have the system attended to.

If the message **AIR SUSPENSION FAULT** is displayed at any time, drive with caution. Have the vehicle checked by a Dealer/Authorised Repairer at the earliest opportunity.

Note: *If your vehicle needs to be recovered by a roadside emergency service ensure that the vehicle is securely lashed by the wheels and NOT the body.*

Driving Information

Before driving off, check the gauges and warning indicators and messages. Take special note of any warning indicator that is on.



WARNING:

Ensure the EPB is on and the automatic gear selector is in P or N before attempting to start the engine.

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.

DRIVING TIPS

Engine Braking on Downhill Gradients

When driving on mountain roads with long downhill gradients it is advisable to select a low gear.

Use Of Headlamps In Daylight

When visibility is poor the headlamps with low 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 illumination.

Parking the Vehicle

When leaving the vehicle, remember the following:

- Whenever the vehicle is being parked, apply the EPB and 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 bonnet are closed.

Driving Information

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 topping up 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.

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/Authorised Repairer can supply a first aid kit.

Petroleum spirit in containers

Some countries forbid the carrying of petrol in containers, as do most ferry and hovercraft operators.

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

Only the Jaguar approved roof rack should be used, (see page 248 for load weight details).

The maximum load, including the weight of the rack, must not exceed the load rating indicated on the roof rack bars and must be deducted from the vehicle maximum luggage load.

Loads on the roof rack may affect vehicle handling, especially in crosswinds or when cornering.

Driving Information

Jaguar warning triangle

A warning triangle to give traffic advanced notice of a disabled vehicle is compulsory in many countries.

A triangle, designed to international standards, is fitted as standard equipment in certain countries.

Hazard warning lamps 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.

Driving Information

TOWING A CARAVAN OR TRAILER

Your Jaguar Dealer/Authorised Repairer, and the main motoring and caravanning organisations can advise you on towing, towing weight capacities and about regulations that apply in other countries.

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 1000 metres (3280 feet) the stipulated maximum permitted gross train weight must be reduced by 10% for every 1000 metres (3280 feet) in altitude.
- The kerbside weight of the vehicle can be found in the Specifications Section, page 245, of this Handbook.
- When towing at the maximum permissible rear axle load keep within legal towing speeds.
- Tyres must be inflated to the normal (higher) pressures shown on the tyre pressure label on the fuel filler flap.
- The recommended maximum tow ball nose weight is shown in the Specifications Section, page 248, of this Handbook. Having a lower nose weight or exceeding the maximum nose weight limit may impair the vehicle's handling.

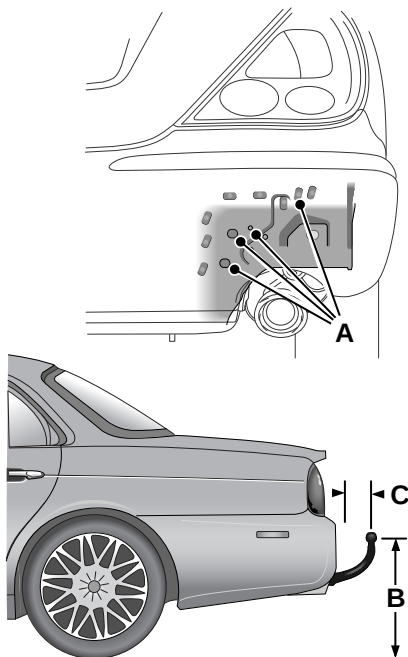
- When towing, the nose weight of the caravan or trailer and the tow bar assembly must be deducted from the permissible maximum load, see the Specifications Section, page 248, of this Handbook.
- Avoid heavy braking. As the overrun brake on the caravan or trailer is not connected to the ABS, heavy caravan or trailer braking could critically affect the stability of the outfit as a whole.
- Ensure that the towing vehicle's engine, transmission, suspension, brakes and tyres are fully efficient and regularly serviced. Similarly check the wheels, tyres, brakes and wheel bearings of the caravan or trailer.

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 a Jaguar tow bar and Jaguar electrical tow bar kit are supplied and fitted by a Jaguar Dealer/Authorised Repairer. This is particularly important with this vehicle having air suspension. If unapproved towing equipment is used whilst towing, the air suspension speed lowering function will not be inhibited. This may result in a change in trailer weight distribution and attitude.**

Driving Information

Tow bar Fixing Points



E86386

The mounting points **(A)** require drilling for tow bar mountings.

Tow ball centre height from the ground at Gross Vehicle Weight (GVW) **(B)** = 385 mm (15.157 inches).

Tow ball centre distance from bumper cover **(C)** = 76 mm (3 inches).

Note: This vehicle has an aluminium body, any part drilled, and any fixings attached, must be specially protected to prevent body corrosion. For further information please contact your Dealer/Authorised Repairer.

Caution: Contact your Jaguar Dealer/Authorised Repairer for details of additional parts that are advised to be fitted before towing. This is particularly important with this vehicle having air suspension. If unapproved towing equipment is used whilst towing, the air suspension speed lowering function will not be inhibited. This may result in a change in trailer weight distribution and attitude.

Fuel and Refuelling

REFUELLING

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.

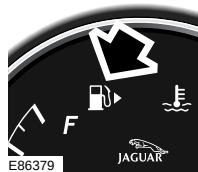
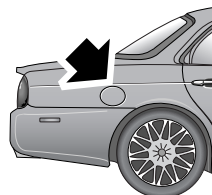
Caution: No additives of any kind (fuel or oil) must be put into the fuel tank. Additives could reduce engine life or affect exhaust emissions.



WARNING:

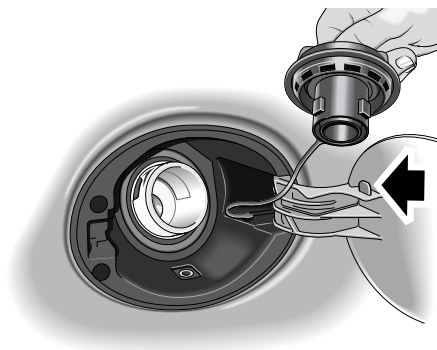
- Fuel vapour is highly flammable and in confined spaces is explosive and toxic. In the event of inadvertent spillage, and before refuelling, always switch OFF the engine. Do not use exposed flame or light. Do not smoke. Do not inhale fumes.
- Do not fill the tank so that fuel is visible in the fuel filler intake tube. This could cause spillage and danger from exposed fuel.

Filling the Fuel Tank



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.

A small arrow is shown on the fuel gauge as a reminder on which side of the vehicle the fuel filler flap is located.

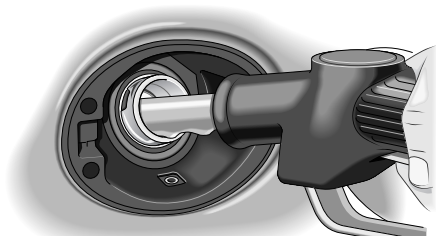


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Open the fuel filler flap and turn the filler cap anti-clockwise, an 1/8 turn, and remove the cap from the filler neck. The cap is held by a retaining strap and can be stowed over the hook on the flap to allow easy access to fill the tank.

Fuel and Refuelling

A warning label on the inside of the fuel filler flap advises type/grade of fuel.



E86381

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 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, twist the filler cap clockwise until it clicks and 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/Authorised Repairer will advise on which fuel must be used in your vehicle.

The filler neck of the fuel tank in a petrol vehicle 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.

Not all countries have a small diameter nozzle so care must be taken to only fill the petrol tank with unleaded fuel.

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 to the tank as there will be a small reserve remaining in the tank.

Fuel tank capacity	85 litres 18.7 gallons
Fill capacity (when the fuel gauge indicates empty)	79 litres 17.4 gallons
Reserve capacity (when the fuel gauge indicates empty)	5.8 litres 1.3 gallons

Fuel and Refuelling

FUEL ECONOMY

The following tips not only lead to greater fuel economy but also reduce air pollution causing less environmental damage:

- Try to avoid using the car for short journeys - this will lead to greater fuel economy and reduce wear on the engine.
- Plan ahead - choose uncongested routes, combine car trips and share cars where possible.
- Drive off as soon as possible after starting a cold engine - do not leave the engine idling until it has warmed up.
- Drive smoothly and efficiently - harsh acceleration and heavy braking have a significant effect on fuel consumption - driving more smoothly saves fuel.
- Slow down - driving at high speeds significantly increases fuel consumption.
- Switch off - sitting stationary is zero miles per gallon, switch off the engine when it is safe to do so.
- Unnecessary weight - do not carry unnecessary weight and remove roof racks when not in use.
- Regular servicing keeps the engine at best efficiency.
- Ensure that tyres are inflated to the correct pressure for the journey.
- Use air conditioning and all vehicle electrical devices sparingly - all increase fuel consumption.

- Check your fuel consumption - it will help you get the most from your car and any significant change in consumption may indicate a vehicle fault.

FUEL REQUIREMENTS - PETROL ENGINES

All petrol 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.

The preferred fuel should have an octane rating of at least 95 RON (Research Octane Number).

Super Green Plus 98 RON unleaded fuel (where available) may be used as an alternative to the standard 95 RON unleaded fuel.

Some countries have only 91 RON fuel available. The vehicles in these countries are specially calibrated to use this fuel.

Using unleaded fuel with an octane rating lower 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/Authorised Repairer to have the problem corrected.

Fuel and Refuelling

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

Caution: This vehicle is not suitable for use with fuels containing more than 10 per cent ethanol. Do not use E85 fuels (85 per cent ethanol content).

Equipment necessary for use of fuels containing more than 10 per cent is not fitted to this vehicle. If E85 fuels are used, serious engine and fuel system damage will occur.

Fuels containing up to 10 per cent 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 per cent.

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.

FUEL REQUIREMENTS - DIESEL ENGINES

Use only high quality diesel fuel according to specification EN 590 or equivalent.

Caution: Do not use RME (bio diesel) except in the case of those proprietary diesel fuels which contain a mix of up to 5%. Jaguar can accept no responsibility for damage caused by using RME in concentrations greater than 5%.

Prolonged use of additives is not recommended. Do not add kerosene/paraffin or petrol to diesel fuels.

Fuel and Refuelling

Caution: If you inadvertently fill your vehicle with petrol instead of diesel, do not attempt to start the engine.

Contact your Jaguar Dealer/ Authorised Repairer immediately. Attempting to start the engine with petrol in the fuel tank will cause extensive damage to the engine and fuel system, which will not be covered by your Jaguar warranty.

Jaguar Cars Limited can accept no responsibility for any damage caused by running your vehicle with petrol or vegetable oil in the fuel tank.

Winter grade diesel fuel

To ensure reliable diesel engine operation during cold seasonal periods, Winter grade fuel must be used. This fuel is normally available from fuel retailers during these periods and the fuel companies adjust the fuel quality to suit climatic conditions.

If the vehicle is not filled with Winter grade diesel fuel, it is recommended that the engine is idled for a period of over two minutes after starting to prevent fuel solidification during operation.

Caution: If your vehicle is fitted with a Diesel Particulate Filter (DPF) the maximum Sulphur content must not exceed 0.005%. Using an incorrect fuel will cause serious damage to the DPF.

DIESEL PARTICLE FILTER (DIESEL MODELS ONLY)

Diesel vehicles are fitted with a Diesel Particle Filter (DPF) which results in additional effective exhaust emission purification. When the engine is at its normal operating temperature and the vehicle is driven at moderate speeds, 48 km/h (30 mph), or more, a regeneration of the DPF takes place automatically. This means that the exhaust particles collected in the filter are burned away and the filter is emptied.

Message centre warnings

When DPF regeneration has not been possible due to a long period of unfavourable driving conditions, a warning message **DPF FULL SEE HANDBOOK** plus either a RED or AMBER priority warning indicator is displayed on the message centre, see page 97.

Red priority: If the warning message with the RED priority warning indicator is displayed, a Jaguar Dealer/Authorised Repairer must be contacted as soon as possible before damage to the DPF occurs.

Amber priority: When the message is displayed with an AMBER priority warning indicator, regeneration of the DPF is required.

To carry out DPF regeneration

- To start regeneration of the DPF, drive the vehicle, preferably on a main road or motorway, until the engine reaches its normal operating temperature.

Fuel and Refuelling

- The vehicle should then be driven for approximately a further 20 minutes, preferably at a speed of 48 km/h (30 mph) or more, but always observing speed limits and road conditions.
- Successful regeneration of the DPF is indicated by the warning message and AMBER priority warning indicator being extinguished from the message centre.

Caution: If the vehicle is frequently driven for short distances or at speeds below 48 km/h (30 mph) for long periods, especially in cold weather conditions, the engine and exhaust system does not reach normal operating temperatures. This means that the regeneration of the DPF may be required to be carried out occasionally in order to avoid impaired function of the filter.

Caution: The regeneration procedure produces high temperatures in the DPF. Heat can be felt radiating from beneath the vehicle, which is normal and not a cause for concern. However, the vehicle should not be parked over combustible material, particularly during dry weather. The heat generated could be sufficient to start a fire when in close proximity to combustible material such as long dry grass, paper etc.

RUNNING OUT OF FUEL (Diesel Models only)

Vehicles with diesel engines are equipped with a system to prevent the fuel tank from emptying completely. When the fuel reaches a minimum level, the system will activate a reduced power mode (i.e. the engine will not run properly). This will be followed by the engine stopping in approximately 1.6 km (1.0 mile).

This feature prevents the fuel system from running dry, which could cause damage to the vehicle. If the gauge indicates low fuel or the warning indicator illuminates, the fuel tank should be refuelled as soon as possible at the next filling station with at least 4 litres (0.87 gallons) of fuel.

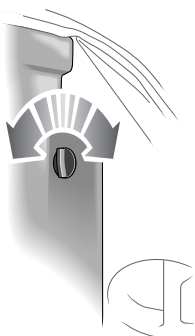
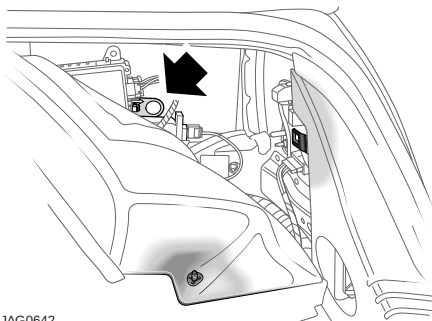
If the system protection function has activated, the vehicle must firstly be refuelled, then restarted using the following procedure:

1. Crank the engine for five seconds, then return the ignition key to position **0** (OFF).
2. Turn the ignition key to position **II** (ON). Crank the engine. The engine should start within approximately five seconds.

Note: *If the engine does not start, pause for ten seconds, with the ignition key in the **0** position (OFF), before repeating the procedure from the beginning.*

Fuel and Refuelling

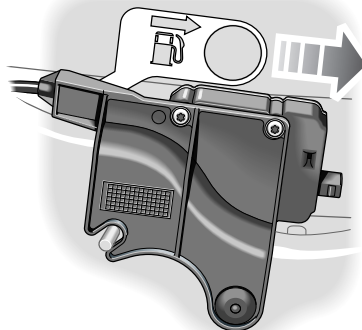
FUEL FILLER FLAP MANUAL RELEASE



JAG0642

If the fuel filler flap fails to release it can be manually unlocked as follows:

In the luggage compartment, remove the carpet from the right-hand side by turning the carpet securing screws anti-clockwise, then gently pull the carpet down.



JAG0643

Locate the fuel flap release mechanism and pull the knob rearwards. This will release the flap to gain access to the filler cap and enable the vehicle to be refuelled.

Report the fault to a Jaguar Dealer/Authorised Repairer.

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CATALYTIC CONVERTERS AND DIESEL PARTICULATE FILTERS

A few precautions on the use of vehicles fitted with catalytic converters and Diesel Particulate Filters (DPF) 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 petrol engine, never refuel with leaded fuel as 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 and DPF casings must be avoided.
- 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 and DPF temperatures and thus result in damage to the converter, DPF and vehicle. If adjustment to the settings is considered necessary, this should be performed by a Jaguar Dealer/Authorised Repairer.
- A correctly tuned engine optimises exhaust emissions, performance and fuel economy and it is recommended that the vehicle is regularly maintained.
- 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 petrol 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. tyre 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/or vehicle and may lead to a dangerous condition due to excessively high catalytic converter temperatures:
 - Competition or off-road use.
 - Excessive engine speed.
 - Overloading the vehicle.
 - Switching off the engine whilst in gear.