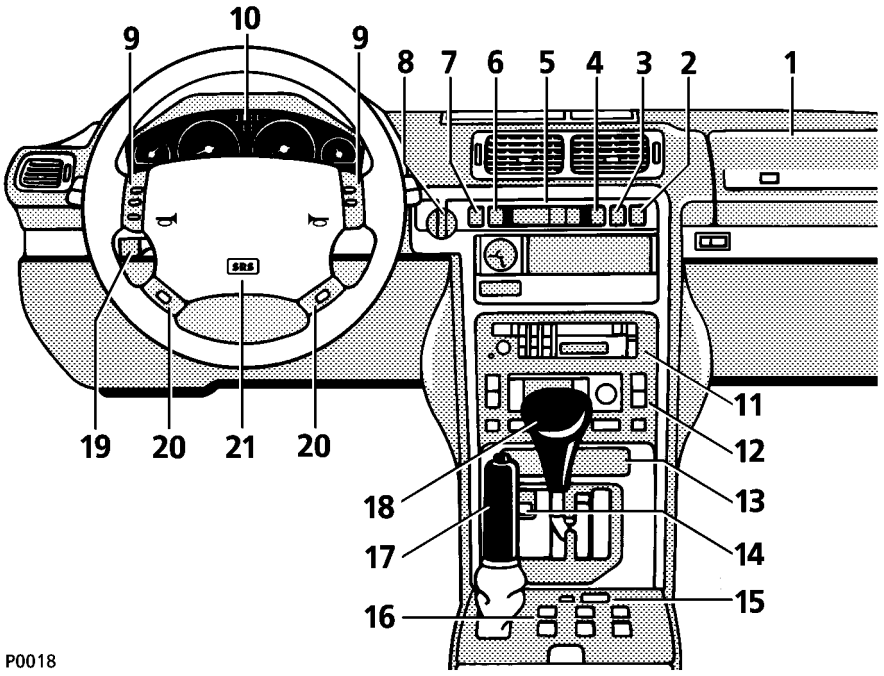
# *SECTION 2*
# *Controls & instruments*

*In this section of the handbook you will find descriptions of the controls and instruments on your vehicle.*

*For your own safety, it is most important to read this section fully and to gain a thorough understanding of all the controls before driving.*

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1. Passenger airbag SRS (if fitted)
2. High/low gear range switch (manual gearbox)
3. Cruise control master switch (if fitted)
4. Hazard warning switch
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6. Rear fog guard light switch
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10. Instrument panel
11. Radio/cassette/CD player
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13. Ashtray/cigar lighter
14. Automatic gearbox mode switch (if fitted)
15. Exterior mirror operating switches
16. Window and sunroof operating switches
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18. Automatic gear selector or manual gear lever
19. Steering column adjustment lever
20. Cruise control switches (if fitted)
21. Driver's airbag SRS (if fitted)

Your vehicle is fitted with a sophisticated electronic anti-theft alarm and engine immobilisation system. In order to ensure maximum security, you are advised to gain a full understanding of the system by thoroughly reading this section of the handbook.

**LOCKING THE VEHICLE AND ARMING THE ALARM**

You have been supplied with two handset/keys (numbered 1 and 2). While both are identical in operation, they transmit two different sets of information (see 'Lazy seats'). Replacement handsets are only available from a Land Rover dealer. Up to two further handsets (3 and 4) can also be obtained.

There are four methods for securing your vehicle:

1. 'Superlocking' using the handset - (recommended high security method).
2. 'Superlocking' using the key.
3. Locking using the handset.
4. Locking using the key.

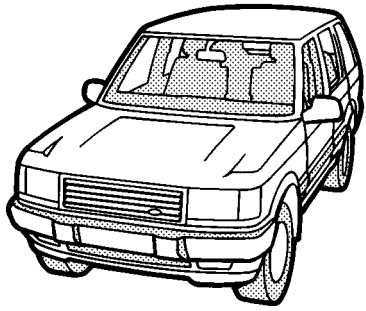
**FOR MAXIMUM SECURITY, ALWAYS 'SUPERLOCK' THE VEHICLE USING THE HANDSET**

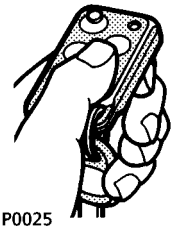
(except when the vehicle is to be locked with passengers or animals inside).

**IMPORTANT INFORMATION**

**Emergency keys**

In addition to the two handsets, you have also been supplied with two separate keys. These keys perform the same functions as the key part of the handset and are intended for emergency use only. DO NOT keep the keys inside the vehicle.

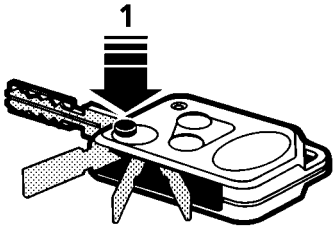




P0025

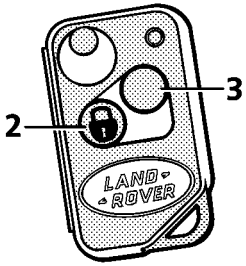
**The handset**

The radio remote handset has three buttons. By pressing the appropriate button, the handset can be used either as a conventional key, or as a remote handset to either lock or 'superlock' the vehicle.




P0023

**1.** Press to release the key, which can then be used as a conventional key to operate the starter switch, glovebox and door locks.




P0022

**2.** Lock button (padlock symbol)

- press once to lock.
- press twice to 'superlock'.
- press and hold to 'lazy lock' (see *'Lazy locking'* ).

**3.** Unlock button

- press once to unlock.
- press and hold to operate the 'lazy seat' facility (see *'Lazy seats'*).

Once the security system is armed, the central locking system locks all the doors and the tailgate, the perimetric alarm (protecting the doors, bonnet and tailgate) is armed, and the engine is immobilised.

- If 'handset superlocking' is activated, the volumetric alarm is also armed (a sensor inside the passenger compartment monitors the interior space and activates the alarm if an intrusion into the passenger compartment is detected).

The volumetric sensor will enter a self-check mode each time you turn the starter switch off. It will remain active for 60 seconds, or until:

**1.** The driver's door is opened and closed.

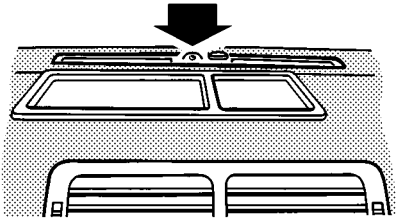
**2.** The vehicle is locked with the handset or key.

***NOTE:*** *If the sensor fails its self-check five times consecutively, only the 'perimetric' elements of the security system will be active (doors, bonnet and tailgate). Any attempt to 'superlock' with the handset will result in 'ALARM FAULT' being displayed on the message centre and a mislock occurring (see 'Mislock'). Seek qualified assistance to rectify the fault.*

**Switching off the alarm sounder**

If the alarm is triggered, it can be turned off in three ways:

- Press the lock button once.
- Press the unlock button once.
- Turn the key in the driver's door to the 'unlock' position (towards the front of the vehicle).



P0167

**Anti-theft alarm indicator light**

After locking the vehicle, the RED indicator light (arrowed in illustration) flashes rapidly for ten seconds to confirm that the security system has been successfully armed. After ten seconds, the indicator light adjusts to a slower frequency, and then continues to flash as an anti-theft deterrent until such time as the security system is disarmed.

If, while operating the handset (or key), the alarm sounds, this indicates that one of the doors, the bonnet or the tailgate is not properly closed (the message centre display will confirm which aperture is not secure).

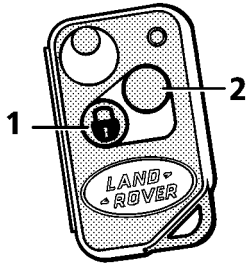
Although the handset can be successfully operated from a significant distance from the vehicle, when locking it is wise to be close enough to visually confirm that the door locking buttons have dropped into place and that the indicator light confirms a successful lock.

***NOTE:*** *Occasional atmospheric conditions can significantly reduce the effective range of handset operation. If this occurs, operate the handset closer to the vehicle. In extreme cases, it may be necessary to touch the handset against the radio aerial 'fired' onto one of the rear side windows.*

**SUPERLOCKING**

If the vehicle is 'superlocked' (with either the handset, or the key), the doors CANNOT be unlocked or opened from inside the vehicle.

For this reason DO NOT superlock the vehicle with passengers inside.




P0200

***'Superlocking' using the handset:***

Press and release the 'lock' button (1) on the handset twice (within $1^1/_2$ seconds). After 15 seconds you will hear 'superlocking' engage.

If any door, the bonnet or tailgate is left open, a mislock will occur (see *'Mislock'*).

If a window or sunroof is open, superlocking will engage immediately, however volumetric protection will not be activated.

***To unlock:***

Press and release the 'unlock' button (2) on the handset once.

If the handset is inoperative, the vehicle can be unlocked by using the emergency key access code (see *'Emergency key access'*).

***'Superlocking' using the key:***
Wherever possible the handset MUST be used to 'superlock' the vehicle. However, if the handset is inoperative, the key can be used as follows:

Turn the key in the driver's door towards the rear of the vehicle (and release) twice within $1^1/_2$ seconds.

***NOTE:*** *'Superlocking' the vehicle using the key will provide perimetric protection only - volumetric protection (protection of the interior space inside the vehicle) WILL NOT BE ACTIVE! If any door, the bonnet, or the tailgate is left open, a mislock will occur (see 'Mislock').*

***To unlock:***
Wherever possible use the handset to unlock the vehicle - press and release the 'unlock' button.

If necessary, the key can be used to unlock a 'superlocked' vehicle, but before the engine can be started, it will be necessary to release the engine immobilisation function by entering the emergency key access code (see *'Emergency key access'*).

**IMPORTANT INFORMATION**

If unattended passengers are to be left in the vehicle, DO NOT superlock. Unattended passengers should lock the vehicle from inside by pressing down the driver's door sill button.

If animals are to be left in the vehicle, volumetric protection MUST NOT be activated - any movement inside the vehicle could trigger the alarm.

DO NOT leave children unattended in the vehicle!

**WARNING**

***NEVER 'superlock' the vehicle if passengers are to be left inside - 'superlocking' prevents door locks from being operated from INSIDE as well as outside the vehicle!***

***NOTE:*** *If the handset 'lock' button or the door key are operated once, the central locking will be activated, but the alarm will only be in 'perimetric' mode and the doors and locks CAN be opened from the inside. ALWAYS, where possible secure the vehicle by 'superlocking'.*

**'Sill' locking**

To operate the central locking from inside the vehicle, push down either front door sill button.
**The security system will NOT be armed.**

***NOTE:*** *'Sill' locking (also known as slam locking) is NOT possible from outside the vehicle.*

### ENGINE IMMOBILISATION

Engine immobilisation is an important aspect of the Range Rover's security system, and includes a feature known as 'passive immobilisation'. This is designed to safeguard the vehicle from theft should the driver forget to lock the doors. The engine is automatically immobilised whenever any of the following conditions occur.

1. When the vehicle is locked using the handset or key.
2. Thirty seconds after the starter switch has been turned off AND the driver's door opened.
3. Ten minutes after the starter switch has been turned off (even if the key remains in the starter switch and the driver's door has not opened).

**IMPORTANT INFORMATION**

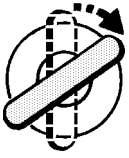
It is virtually impossible to leave the car unattended or attended without the engine being immobilised automatically. For this reason it is important that all drivers are fully aware of the following:

The engine is re-mobilised by pressing the 'unlock' button on the handset or inserting the key in the starter switch.

If the handset is lost or damaged and fails to operate, the engine must be re-mobilised by entering the emergency key access code before the vehicle can be driven (see 'Emergency key access').

**EMERGENCY KEY ACCESS**

If the handset is lost or fails to operate, the engine can be re-mobilised by using the key to enter a unique four digit emergency key access code. The code is recorded on the Security Information card and is entered as follows:



**1. Using the key,** turn the driver's door lock to the LOCK position 4 times and return the key to the centre position (as shown) after each turn of the key. It is now possible to use the key to enter the separate numerical values of the four digits that make up the emergency key access code.

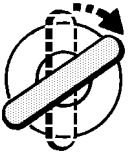
**IMPORTANT INFORMATION**

When entering a code:

- ENSURE each key movement is carried out with care and precision and turned through the full extent of its travel.
- After turning the key to either the lock or unlock positions, make sure it is FULLY returned to the centre (vertical) position.
- If you forget your place in the sequence of key operations and, therefore, do not complete a code, open and then shut the door and start entering the code again (this will not count as a failed attempt).



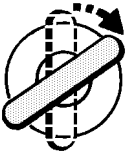
**2. Enter the FIRST digit of the code.** If the first digit is 4, turn the key to the UNLOCK position 4 times. Ensure the key is FULLY returned to the centre position after each turn of the key.



**3. Enter the SECOND digit of the code.** If the second digit is 3, turn the key to the LOCK position 3 times. Remember; the key must be FULLY returned to the centre position after each turn of the key.



**4. Enter the THIRD digit of the code.** If the third digit is 2, turn the key to the UNLOCK position twice, ensuring that the key is FULLY returned to the centre position after each turn of the key.



**5. Enter the FOURTH digit of the code.** If the fourth digit is 1, turn the key to the LOCK position once. Ensure the key is FULLY returned to the centre position after the key has been turned.



**6. FINALLY,** turn the key to the UNLOCK position once more to disarm the alarm and re-mobilise the engine. If the code has been entered successfully, the anti-theft alarm indicator light will extinguish, the doors will unlock and the engine can be started.

***NOTE:*** *During the access procedure, the anti-theft indicator light will continue to flash (indicating that the alarm is still partially armed).*

***NOTE:*** *If the handset is inoperable, the emergency key access code must be entered EVERY time you need to start the engine.*

***If an incorrect code has been entered:***
If the code has been entered incorrectly, the anti-theft alarm indicator light will continue to flash. In this case, return to '1' and re-enter the code.

After three failed entry attempts, the security system invokes a delay period of thirty minutes during which the system will not accept any further attempts to enter a code.

**WARNING**

- ***NEVER leave the Security Information card in the vehicle.***
- ***Memorise the emergency key access code or keep the Security Information card on your person in case of emergencies (a damaged handset for example).***

**MISLOCK**

A mislock will occur if:

- A door, bonnet or tailgate are left open.
- The key is left in the starter switch.
- An incomplete 'lazy lock' is attempted. The message centre will indicate the cause of a mislock e.g. 'SUNROOF BLOCKED'.

If a mislock occurs, a warning 'bleep' will sound in which case you should unlock the vehicle, rectify the cause of the mislock and then re-lock the vehicle.

**LAZY LOCKING**

'Lazy locking' enables you to use the handset or key to close the windows and sunroof at the same time as you secure the vehicle.

***To operate lazy locking:***

1. Ensure the doors, bonnet and tailgate are properly closed.
2. With the handset - press and hold the 'lock' button (press twice and hold on the second press if 'superlocking').
   With the key - turn and hold the key in the 'lock' position.

The doors and tailgate will lock and the windows, followed by the sunroof will close.

***NOTE:*** *If a window or the sunroof detects an obstruction, a mislock occurs and the locking sequence will stop. Remove the obstruction before trying to 'lazy lock' again.*

**LAZY SEATS**

The lazy seat facility is available only on vehicles fitted with a driver's seat memory. The facility enables the handsets to be used to recall the pre-set electric seat/mirror positions when you UNLOCK the door. The two handsets are separately identified by different labels and by grey and black battery covers - key 1 corresponds to driver's seat memory 1, and key 2 to seat memory 2 (see *'Seats'*).

***NOTE:*** *If additional handset/keys have been obtained (key 3 and key 4), they are not linked to the memory seat system.*

Press and hold the 'unlock' button on the handset for $1^1/_2$ seconds (the indicator light on the handset flashes rapidly), and then release. The driver's seat and both mirrors will move to the positions programmed into the relevant seat memory.

***NOTE:*** *'Lazy seats' will only operate if volumetric protection was activated when the vehicle was locked (ie. by 'superlocking' using the handset).*
*It will not function if the alarm system has already been triggered since it was last set, and will be cancelled if a door is opened, or if the vehicle is relocked.*

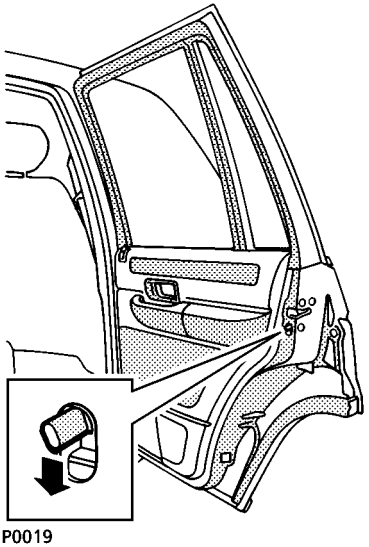
**AUTO RELOCK**

Auto relock ensures that, if the vehicle is unlocked accidentally, the vehicle will relock itself automatically after a 60 second delay.

Once the 'unlock' button on the handset has been pressed, the alarm system will monitor the vehicle for 60 seconds. If any of the following occur during this period, the vehicle will remain unlocked:

- A door or the tailgate is opened.
- Interior movement is detected.
- The key is inserted into the starter switch, or the switch is turned to position 'I'.

However, if none of the above has occurred within 60 seconds, then the vehicle will automatically return to its previous 'locked' state.



P0019

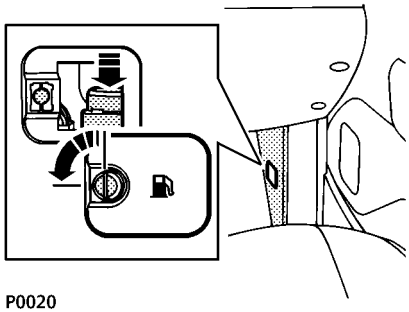
**CHILD-PROOF LOCKS** (rear doors only)

Move the lever downwards (arrowed in illustration) to engage.

With the child-proof locks engaged, the rear doors cannot be opened from inside the vehicle, thereby avoiding the risk of a door being opened accidentally while the vehicle is moving.

**Opening the doors**

When opening a door from outside the vehicle, it is recommended that the moving part of the handle is held by the fingers and that the door catch is operated by pushing with the thumb against the fixed part of the handle.



P0020

**INERTIA CUT-OFF SWITCH**

This switch is a safety device that automatically unlocks the doors in the event of an accident or sudden impact (provided the starter switch is turned on). In addition, the inertia switch inhibits power to the electric fuel pump, turns off the heating and air conditioning fans, and turns on the hazard warning lights, which continue flashing until either the starter switch is turned off or the inertia switch is reset.

The switch is located behind the vertical panel in the right hand footwell. Remove the cover by using a coin to rotate the turnbuckle anti-clockwise and then prise the cover off.

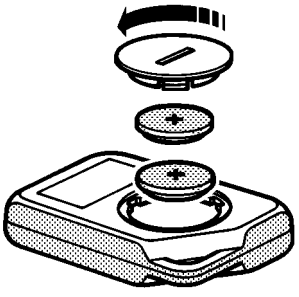
When the switch is tripped, the message centre will alternately display; 'REFER HANDBOOK' and 'INERTIA SWITCH'.

To reset the switch, press the rubber top (arrowed in illustration).

***NOTE:*** *The vehicle can be secured even if the switch has been tripped by removing the starter key, opening and closing one of the front doors and then locking the vehicle.*

**WARNING**

***Always check for fuel leaks before resetting the switch!***



P0024

**Handset batteries**

When the batteries need replacing, the message centre will display 'KEY BATTERY LOW'. To replace:

- Remove the battery cover by turning the cover anti-clockwise with a coin.
- Taking care not to touch the circuit board, prise the batteries from the cover and fit new ones (with the positive side facing the cover), and replace the cover.

The batteries should be replaced within 1 minute of removing the old ones, otherwise it may be necessary to re-synchronise the handset (see *'Handset synchronisation'*). New batteries are available from your dealer.

***NOTE:*** *Finger marks on the batteries will adversely affect battery life. If possible, avoid touching the surface of the batteries, and wipe clean before fitting.*

**Handset synchronisation**

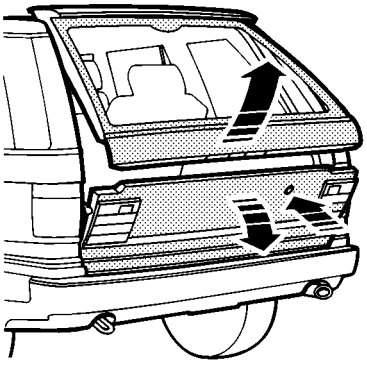
The handset transmits a coded message, which changes each time a button is pressed. If a handset is operated too many times out of range of the vehicle or if the handset batteries are removed for longer than a minute, it may need to be re-synchronised.

***To synchronise:***

Insert the handset key into the starter switch; the handset will then be resynchronised.

***NOTE:*** *Handset synchronisation cannot be achieved if the vehicle alarm is armed or if the handset batteries need replacing.*

# *Tailgate*



P0026

**OPENING THE TAILGATE**

With the vehicle unlocked, press the release button once to release the upper tailgate.

***NOTE:*** *There is a handle built into the lower edge of the upper tailgate to assist in opening and closing.*

With the upper tailgate open, press the release button again to release the lower tailgate, which can then be lowered to the horizontal position.

***NOTE:*** *The tailgate cannot be opened if the vehicle battery is flat or disconnected. If this occurs, access to the loadspace can only be achieved by folding the rear seats from inside the vehicle (see 'Seats').*

**CLOSING THE TAILGATE**

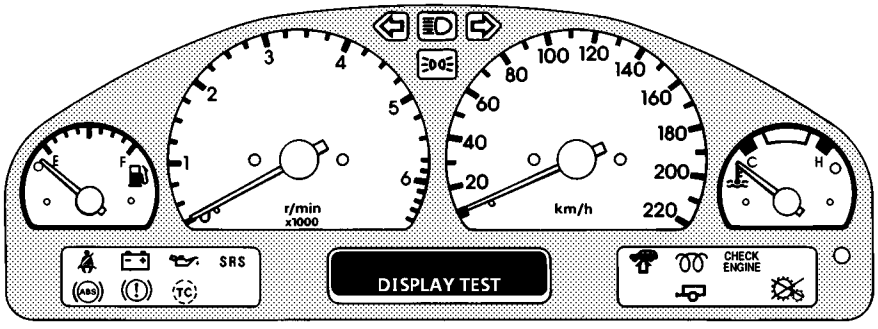
Raise the lower tailgate first and close firmly. Then lower and close the upper tailgate.

**WARNING**

***Do not drive with the tailgate open; poisonous carbon monoxide fumes will enter the vehicle.***

***Always check that the tailgate is secure before driving and before leaving the vehicle unattended.***

# *Message centre*




P0280B

Driver warning and information messages are displayed on the message centre in the lower part of the instrument pack. Messages have different priority levels and are grouped into the following categories.

**CRITICAL WARNINGS**

Critical warning messages are accompanied by an audible warning (three beeps). Messages are displayed continuously while the starter switch is turned on, and remain displayed while the fault persists.

DO NOT ignore these messages - TAKE CORRECTIVE ACTION IMMEDIATELY!

Critical warnings are displayed continuously, normally on the lower line of the message centre, but if more than one message is to be displayed, then the upper display line will also be used.

**WARNINGS**

Warning messages are non-critical, but must be treated with some urgency. They will also be accompanied by an audible warning (three beeps) each time the message is displayed.

DO NOT ignore these messages - TAKE CORRECTIVE ACTION IMMEDIATELY.

Warning messages are displayed for approximately 4 seconds. If other warning messages are pending, the display time will be reduced to approximately 2 seconds.

**INFORMATION MESSAGES**

**General**

All information messages are displayed for approximately 4 seconds. If other messages are pending, the display time will be reduced to approximately 2 seconds. Note that 'Critical Warning' and 'Warning' messages always override 'Information' messages.

These information messages are grouped into three categories:

**Category 1**

Messages in this category will be accompanied by a single beep when the message is displayed for the first time, and also when the starter switch is turned on or off. At any other time, only the message will be presented - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

**Category 2**

Messages in this category will be accompanied by a single beep each time the message is displayed - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

**Category 3**

Messages in this category are NOT accompanied by an audible warning. Only the message will be displayed - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

# *Message centre*

**The following are CRITICAL WARNING messages and are listed in order of priority.**

| Message | Meaning | What to do? |
|---|---|---|
| ENGINE DISABLED | the engine will not start due to alarm system | press the remote handset unlock button or enter the emergency key access code - see *'Locks & alarm'* |
| PRESS REMOTE or ENTER KEYCODE | as above | as above |
| KEY CODE LOCKOUT | incorrect code has been entered too many times | wait 30 minutes and try again |
| MARKET NOT SET | the language for the message centre is not set | seek qualified assistance |
| SEAT BELT PLEASE | you have not fastened your seat belt | fasten your seat belt |
| INERTIA SWITCH* | the fuel cut-off switch has been tripped | reset the switch - see *'Locks & alarm'* |
| GEARBOX OVRHEAT * | automatic gearbox oil temperature too high | reduce speed or select lower gear. If message persists, stop vehicle and allow gearbox to cool; seek qualified assistance if message resumes. |
| TRANSFER OVRHEAT* | transfer gearbox oil temperature too high | reduce speed or select lower gear. If message persists, stop vehicle and allow gearbox to cool; seek qualified assistance if message resumes |

# *Message centre*

| Message | Meaning | What to do? |
|---|---|---|
| LOW COOLANT | as message suggests | top up the coolant reservoir and/or seek qualified assistance |
| DOOR OPEN RH-R | the right hand rear door is open | close the door |
| DOOR OPEN LH-R | the left hand rear door is open | close the door |
| DOOR OPEN LH-F | the left hand front door is open | close the door |
| DOOR OPEN RH-F | the right hand front door is open | close the door |
| BONNET OPEN | the bonnet is open | close the bonnet |
| IGNITION KEY IN | you have left the key in the starter switch | remove the key |
| LIGHTS ON | you have left your lights on | switch off the lights |
| HEADLIGHT DELAY | you have selected headlight delay - headlights will switch off automatically | |
| SLOW: 55 KMH | air suspension fault | slow down to less than 55 km/h and seek qualified assistance |
| ENG OIL OVERHEAT | engine oil temperature is too high | stop and allow the engine to cool; if the problem persists, do not drive - seek qualified assistance |

* These messages alternate with the message 'REFER HANDBOOK'. When this is displayed, refer to the appropriate section in this handbook for further information.

# *Message centre*

| Message | Meaning | What to do? |
|---|---|---|
| AIRBAG FAULT | there is a problem with the airbag | seek qualified assistance |
| RH FRONT WINDOW<br>LH FRONT WINDOW<br>RH REAR WINDOW<br>LH REAR WINDOW | alternates with one of the following: WINDOW NOT SET, WINDOW BLOCKED, ANTI-TRAP OFF, or WINDOW OPEN | refer to the description given for the alternating message |
| SPEED LIMIT --- | you have exceeded your preset speed limit | reduce your speed or cancel the function |
| SPEED LIMIT OFF | the preset speed limit has been cancelled | |
| FUEL GAUGE FAULT | as message suggests | seek qualified assistance |
| TEMP GAUGE FAULT | as message suggests | seek qualified assistance |
| LH SEAT HEATER | the fuse has blown | fit a new fuse - this message alternates with the fuse number message |
| RH SEAT HEATER | as above | as above |
| SUNROOF | the 'ANTI-TRAP' function is overridden (alternates with message ANTI-TRAP OFF) | refer to 'ANTI-TRAP OFF' message |
| TRANSFER NEUTRAL | the transfer box has moved to the neutral position | remove fuse 11 if transfer neutral is no longer required |
| BONNET | opening the bonnet was the cause of the alarm system triggering | check that the vehicle is secure - message alternates with the ALARM TRIGGERED message |
| LH FRONT DOOR<br>RH FRONT DOOR<br>LH REAR DOOR<br>RH REAR DOOR | opening this door was the cause of the alarm system triggering | check that the vehicle is secure - message alternates with ALARM TRIGGERED message |
| IGNITION TAMPER | turning the starter switch on was the cause of the alarm system triggering | as above |
| TAILGATE | opening the tailgate was the cause of the alarm system triggering | as above |

**The following are WARNING messages;**

| Message | Meaning | What to do? |
|---|---|---|
| TAILGATE OPEN | the tailgate is open | close the tailgate |
| WINDOW BLOCKED | the anti-trap function has detected an obstruction while the window is being closed | this message will alternate with another one to indicate which window is affected - remove the obstruction |
| SUNROOF BLOCKED | the anti-trap function has detected an obstruction while the sunroof is being closed | remove the obstruction before trying to reclose the sunroof |
| ALARM FAULT | the alarm system has a fault | seek qualified assistance |
| ANTI-TRAP OFF | the anti-trap function for one or more windows or the sunroof is disabled - message alternates with another to indicate which anti-trap function is disabled | ensure that there are no obstructions in the aperture |
| EAS FAULT | there is a fault with the air suspension system | seek qualified assistance |
| ABS FAULT | there is a fault with the anti-lock braking system | seek qualified assistance |
| SLOW: 30 KPH MAX | your road speed is too high for the current ride height | slow down to less than 30 km/h |
| SLOW: 55 KPH MAX | your road speed is too high for the current ride height | slow down to less than 55 km/h |

**FUSE FAILURE MESSAGES**

The following fuse failure messages are INFORMATION CATEGORY 1 messages. (see *'Fuses'* for fuse replacement information).

| Message | Meaning | Action |
|---|---|---|
| FUSE 2 to 22 FAILED | Fuse blown | Fit a new fuse |

**Notes:**

1. The fault messages for fuses 10 and 20 may also be displayed in conjunction with the messages 'RH SEAT HEATER' and 'LH SEAT HEATER'. This will occur if the seat heater affected by the relevant blown fuse is operated.
2. The fault message for fuse 12 may also be displayed in conjunction with the message 'HEATED REAR WINDOW'. This will occur if the heated rear screen is operated after fuse 12 has blown.
3. In all cases, the fuse failed message will alternate with the appropriate description message e.g. 'FUSE 10 FAILED', followed by 'RH SEAT HEATER'.
4. Fuse 1 covers the instrument pack. If this fuse fails, replace the fuse (no message can be given because the message centre is controlled by the instrument pack).
5. The message centre responds to multiple fuse failures by displaying separate messages, one after the other.

**BULB FAILURE MESSAGES**

The following are INFORMATION CATEGORY 1 messages. (see *'Bulb replacement'*).

| Message | Meaning | What to do? |
|---|---|---|
| RH DIP BEAM | Bulb failed | Replace bulb |
| LH DIP BEAM | Bulb failed | Replace bulb |
| RH MAIN BEAM | One or both bulbs failed | Replace bulb |
| LH MAIN BEAM | One or both bulbs failed | Replace bulb |
| RH SIDE LIGHT | Bulb failed | Replace bulb |
| LH SIDE LIGHT | Bulb failed | Replace bulb |
| FRONT INDICATOR | One or both bulbs failed | Replace bulb |
| RH FRONT FOG | Bulb failed | Replace bulb |
| LH FRONT FOG | Bulb failed | Replace bulb |
| RH TAIL LIGHT | Bulb failed | Replace bulb |
| LH TAIL LIGHT | Bulb failed | Replace bulb |
| RH BRAKE LIGHT | Bulb failed | Replace bulb |
| LH BRAKE LIGHT | Bulb failed | Replace bulb |
| REAR INDICATOR | One or both bulbs failed | Replace bulb |
| RH REAR FOG | Bulb failed | Replace bulb |
| LH REAR FOG | Bulb failed | Replace bulb |
| RH REVERSE | Bulb failed | Replace bulb |
| LH REVERSE | Bulb failed | Replace bulb |
| NUMBER PLATE | Bulb failed | Replace bulb |

The message centre will respond to multiple bulb failures by displaying separate messages, one after the other.

All bulb failure messages will be displayed when the starter switch is turned on or off and when the system affected by the relevant bulb failure is operated. The message 'BULB FAILURE' will alternate with the appropriate bulb description message, e.g. 'BULB FAILURE' followed by 'RH REAR FOG'.

**MISCELLANEOUS FAULT MESSAGES**

**The following are INFORMATION CATEGORY 1 messages.**

| Message | Meaning | What to do? |
|---|---|---|
| LOW SCREEN WASH | as message suggests | fill the screenwash reservoir |
| GEARBOX FAULT | as message suggests | seek qualified assistance |
| TRACTION FAILURE | as message suggests | seek qualified assistance |
| LOW BRAKE FLUID | as message suggests | top-up the fluid reservoir and/or seek qualified assistance |
| ODOMETER ERROR | as message suggests | seek qualified assistance |
| KEY BATTERY LOW | as message suggests | fit new batteries in the handset |

**The following are INFORMATION CATEGORY 2 messages.**

| Message | Meaning | What to do? |
|---|---|---|
| CATALYST OVRHEAT* | as message suggests | see *' Warning lights'* |
| MEMORY 1 STORED | you have stored the seat and mirror positions into memory store 1 | no action required |
| MEMORY 2 STORED | you have stored the seat and mirror positions into memory store 2 | no action required |
| REAR WINDOWS ON | you have enabled the rear door window operating switches | no action required |
| ALARM TRIGGERED | the alarm has been triggered since the ignition was last turned off | no action required - was your vehicle secure when you returned to it? |
| MIRROR DIP STORE | you have stored the reverse dip positions of the door mirrors in memory | no action required |

# *Message centre*

| Message | Meaning | What to do? |
|---|---|---|
| WINDOW NOT SET | the one-touch and anti-trap functions are not set | set the one-touch and anti-trap functions see *'Electric windows'* |
| SUNROOF NOT SET | the one-touch and anti-trap functions are not set | set the one-touch and anti-trap functions see *'Electric sunroof'* |
| WINDOW SET | you have successfully set the one-touch and anti-trap functions | no action required |
| SUNROOF SET | you have successfully set the one-touch and anti-trap functions | no action required |
| TRACTION OVRHEAT | the warning light will flash. Traction control has been disabled to prevent overheating of the system's braking components, and will be re-enabled when the braking components have cooled | prevent wheel spin condition by easing off the throttle |
| INT LIGHTS OFF | auto function has been turned off | see *'Interior equipment'* |
| INT LIGHTS ON | auto function has been turned on | see *'Interior equipment'* |
| EAS MANUAL | you have locked the air suspension in ACCESS ride height | CAUTION the vehicle is being driven on its bump stops |
| ALTERNATOR FAULT | as message suggests | seek qualified assistance |
| START ENGINE | you may now start the engine | see *'Locks & alarm'* |

| Message | Meaning | What to do? |
|---|---|---|
| MIRROR DIP ON | the door mirror dip function for driving in reverse gear has been turned on | no action required |
| MIRROR DIP OFF | the door mirror dip function for driving in reverse gear has been turned off | no action required |

* This message alternates with the message 'REFER HANDBOOK'. When this is displayed, refer to the appropriate section in this handbook for further information.

**The following are INFORMATION CATEGORY 3 messages;**

| Message | Meaning | What to do? |
|---|---|---|
| SUNROOF OPEN | you have removed the starter key and opened the drivers door with the sunroof still open | if you are leaving the vehicle, close the sunroof |
| RIGHT PARK LIGHT | you have set the right hand front and rear side lights as parking lights | turn the lighting switch off if parking lights are not required |
| LEFT PARK LIGHT | you have set the left hand front and rear side lights as parking lights | turn the lighting switch off if parking lights are not required |
| PARK LIGHTS | you have set the right and left hand front and rear side lights as parking lights | turn the lighting switch off if parking lights are not required |
| MOVEMENT DETECT | the alarm system is sensing movement in the vehicle when you are trying to 'Superlock' | isolate the cause of the movement and try again - do not attempt to 'Superlock' with people or animals inside the vehicle |

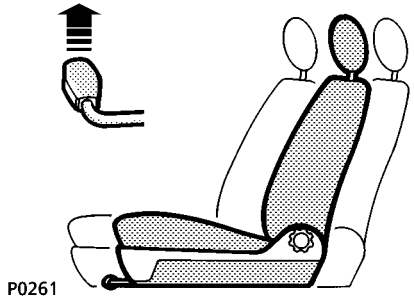
| Message | Meaning | What to do? |
|---|---|---|
| SELECT NEUTRAL | you have made an attempt to change gear ranges without the gearbox being in NEUTRAL | select neutral |
| SLOW DOWN | your current road speed is too high to perform a transfer box range change | stop the vehicle before changing range |

## MANUALLY-OPERATED FRONT SEATS

**WARNING**

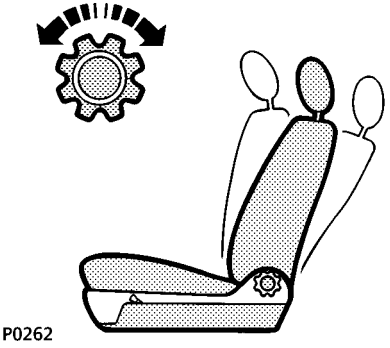
***To avoid the risk of loss of control and personal injury, never adjust the driver's seat or seatback while the vehicle is in motion.***

***DO NOT allow occupants to travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seat back angle set to 15 degrees from the upright (vertical) position.***


P0261

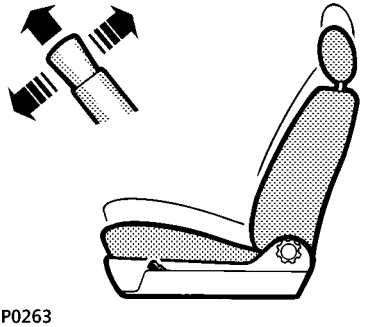
**Forward/backward movement**

Raise the lever to slide the seat forward or back. Ensure that the seat is locked in position before driving.


P0262

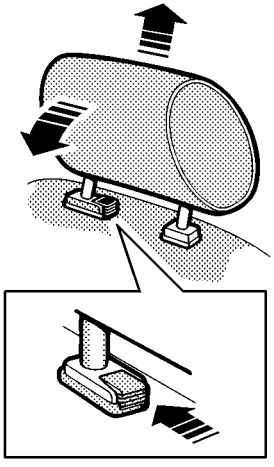
**Backrest movement**

Rotate the handwheel to achieve the desired backrest angle.


P0263

**Height adjustment (driver only)**

Extend the lever and either pull or push to set the seat base to the desired height.



P0029

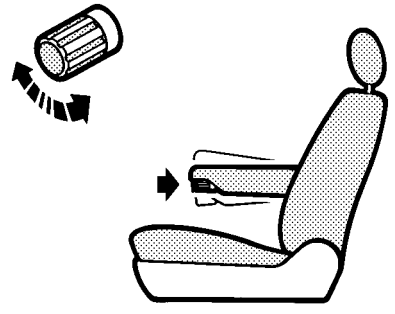
**Head restraint adjustment**

Head restraints are designed to restrain rearward movement of the head in the event of a collision.

Depress the button to raise or lower. Tilt the angle of the restraint to ensure it is as close to the back of the head as possible.

**WARNING**

- ***DO NOT drive with the head restraints removed.***
- ***ALWAYS adjust the height of the head restraint to support the back of the head, NOT the neck.***



P0264

**Folding armrests**

An adjustable folding armrest is fitted to the inboard side of the front seats.

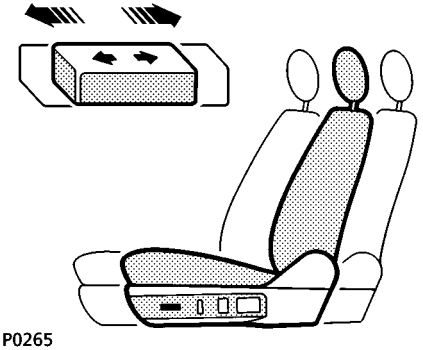
Pull the armrest down into the horizontal position then turn the knob at the end of the armrest to set the desired angle.

**POWER OPERATED FRONT SEATS**

(where fitted)

Seat adjustment is only possible when the starter switch is turned to positions 'I' or 'II' or with a front door open when the starter switch is at position '0'.

The following functions are available:



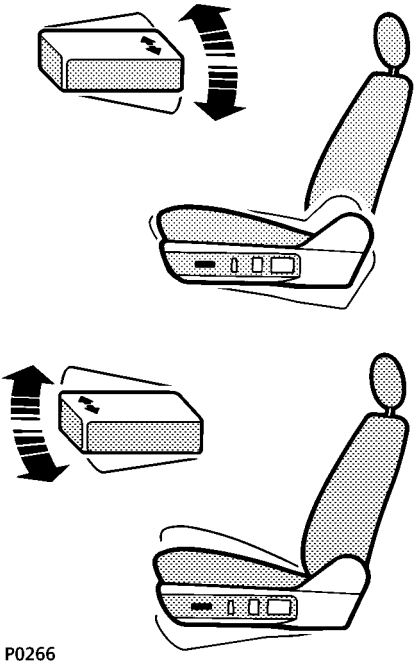
P0265

**Seat forward & rearward**

Push and hold the switch forwards or backwards to move the seat to the desired position.

**WARNING**

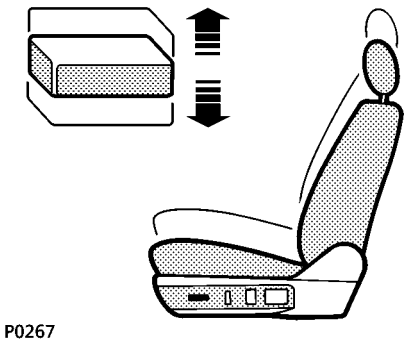
***To avoid the risk of loss of control, DO NOT adjust the driver's seat while the vehicle is in motion.***



P0266

**Seat cushion angle**

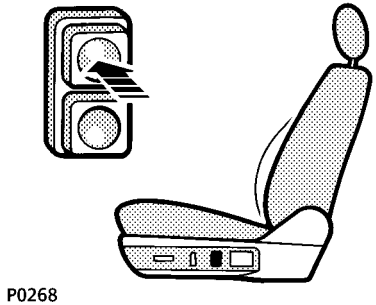
Twist the switch forward or back to tilt the front or rear of the seat cushion to the desired position.



P0267

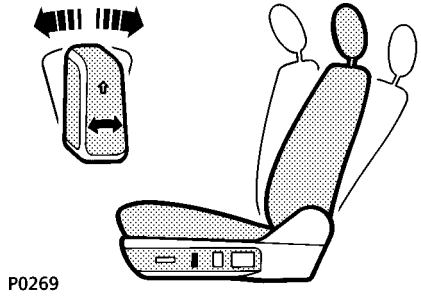
**Seat cushion height**

Push the switch up or down to raise or lower the cushion.


P0268

**Lumbar support adjustment**

Press the upper button to increase, and the lower button to reduce, lumbar support.

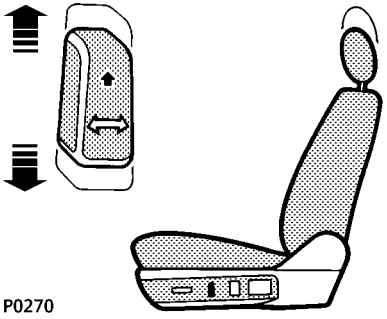

P0269

**Seat back adjustment**

Twist the switch forward or backward until the desired seat back angle is achieved.

**WARNING**

***DO NOT allow occupants to travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seat back angle set to 15 degrees from the upright (vertical) position.***

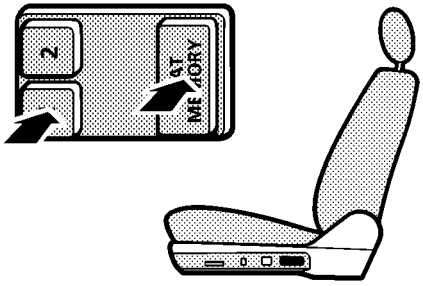

P0270

**Head restraint adjustment**

Raise or lower the switch until the head restraint is level with the back of the head.

**WARNING**

***Head restraints are designed to support the back of the head (NOT THE NECK), and to restrain rearward movement of the head in the event of a collision. The restraint must be positioned behind the head to be effective.***




P0271

**DRIVER'S SEAT/MIRRORS MEMORY FACILITY**
(where fitted)

***NOTE:*** *Not all electric seat installations include the seat and mirror memory facilities.*

**WARNING**

***Before activating the seat/mirror memory, ensure that the area immediately surrounding the seats is clear of obstructions.***

Your vehicle can memorise two different driver seating and mirror positions. To store the positions in the system memory, the starter switch must be turned to either position 'I' or 'II' and the transmission must NOT be in reverse gear.

Set the driver's seat and both door mirrors to the required positions and store the settings by pressing and holding the SEAT MEMORY switch together with either switch **1** or **2**, for 2 seconds. 'MEMORY 1 STORED' or 'MEMORY 2 STORED' will be displayed on the message centre to confirm the storing action.

To recall your stored position after the seat or mirrors have been moved by another driver, press and hold the appropriate switch (**1** or **2**); the seat and mirrors will return to the position stored by that memory switch. Once they have reached their memory positions a tone will sound to confirm that the operation is complete.

***NOTE:*** *If the memory positions are stored whilst the lights are on, the illumination level of the instrument panel will also be stored in the memory.*

**Driver's seat one-touch operation**

The one-touch function is operated by briefly pressing the relevant memory switch (1 or 2). The seat will then automatically move to the memory position.

'One touch' operation can be cancelled at any time by pressing either of the memory switches or any of the seat axis switches. Pressing either of the seat memory switches stops all movement immediately: pressing one of the axis switches cancels the memory seat movement but starts the seat moving in the direction of the switch which is pressed. Release the switch to stop all movement.

- **Automatic transmission:** the one-touch function is NOT available when the engine is running and the gearshift lever is out of **'P'** (park).
- **Manual transmission:** the one-touch function is NOT available when the engine is running.

**Lazy seats**

The lazy seat facility enables the handsets to be used to recall seat and mirror positions when you UNLOCK the doors.

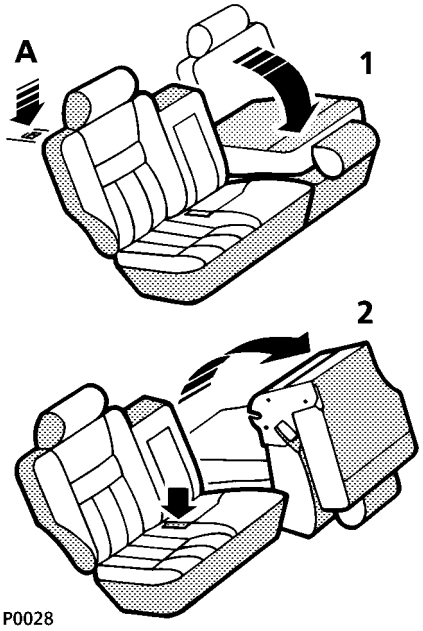
If the vehicle had been superlocked using a handset, then pressing the UNLOCK BUTTON on handset 1 for more than $1^1/_2$ seconds causes the driver's seat and both mirrors to move to the position stored by memory switch 1. Pressing the UNLOCK BUTTON on handset 2 for more than $1^1/_2$ seconds causes the driver's seat and both mirrors to move to the position stored by memory switch 2.

**Passenger seat memories**

(if fitted)

The operation of the passenger seat memories is the same as that for the driver's apart from the following:

- One-touch operation is available whenever normal memory operation is available.
- Passenger seat memories do not include the mirror positions or instrument panel illumination level.
- The message centre will not confirm the storing of a memory position.




P0028

**REAR SEAT**

**WARNING**

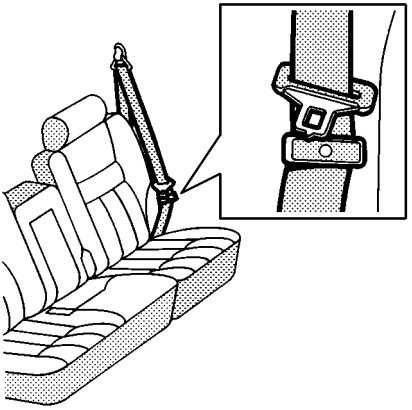
***DO NOT adjust any part of a seat while the vehicle is in motion.***

***Ensure your fingers are clear of the seat latches when folding the rear seats.***

---

**Folding the rear seats**

One or both parts of the split rear seat can be either partially folded to provide a useful horizontal surface or fully folded to further increase the rear loadspace.



P0276

Before folding either part of the rear seat, ensure that the outer rear seat belts are correctly stowed in their belt clips (see illustration). To avoid damaging the centre seat belt, roll the buckle neatly and stow it in the space provided at its anchor point in the centre of the rear seat.

To fold either part of the rear seat, press the appropriate release button **'A',** then fold the backrest down to position **1**. To further increase the loadspace, fold the backrest and seat base together to position **2**.

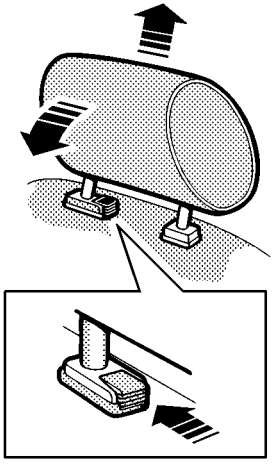
When returning the rear seat to its normal position, ensure that the backrest is securely latched in place before driving.

***NOTE:*** *If the seat base is not fully latched in position it will not be possible to raise the backrest.*

**WARNING**

***When the seat is erected, the latching mechanism should be visually checked and physically tested to ensure that the latch is secure before driving.***

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P0029

**Rear head restraint adjustment**

Head restraints are designed to restrain rearward movement of the head in the event of a collision.

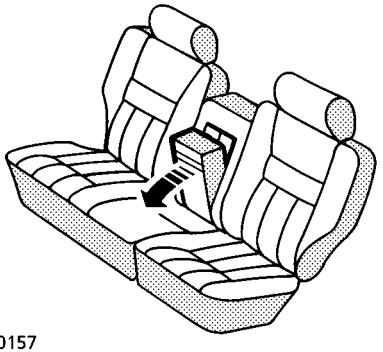
Lift to raise the head restraint. Depress the button to lower or remove the head restraint.

Tilt the angle of the restaint to ensure it is as close to the back of the head as possible.

**WARNING**

***Always adjust the height of the head restraint to support the back of the head, not the neck.***

***DO NOT carry passengers with the head restraints removed.***



P0157

**Rear seat armrest**

Pull on the tab at the top of the armrest and fold down to the horizontal position.

# Seat belts

**SEAT BELT SAFETY**

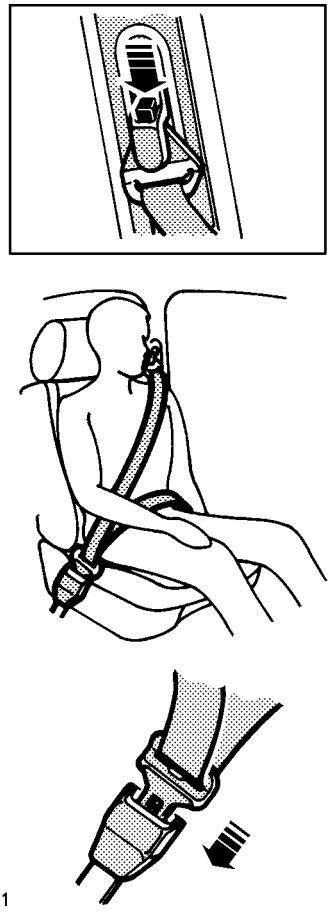
**Seat belts are life-saving equipment. In a collision, unrestrained passengers can be thrown around inside the vehicle, or possibly thrown out of the vehicle, resulting in injury to themselves and to other occupants. DO NOT take chances with safety!**

- DO make sure that ALL passengers are securely strapped in at all times; even for the shortest journeys.
- ALWAYS adjust seat belts to eliminate any slack in the webbing and to ensure that the diagonal belt passes across the shoulder without slipping off or pressing on the neck.
- ALWAYS fit the lap belt strap as low on the hips as possible (never across the abdomen).
- DO NOT slacken the webbing by pulling the belt away from the body - to be fully effective, the seat belt must remain in full contact with the body at all times.
- DO have seat belts checked if the vehicle is involved in an accident.
- DO NOT allow occupants to travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seat back angle set to 15 degrees from the upright (vertical) position.
- DO use the seat belts to secure large items of luggage that are to be carried on the seats - in the event of an accident, insecure items become flying missiles capable of causing serious injury.
- DO NOT fit more than one person into a seat belt, or fit a seat belt that is twisted or obstructed in any way that could impede its smooth operation.
- DO NOT allow foreign matter (particularly sugary food or drink particles) to enter the seat belt locks; such substances can render the seat belt locks inoperative.
- Pregnant women should ask a doctor for advice about the safest way to wear seat belts.

**WARNING**

***Ensure that all seat belts are worn correctly - an improperly worn seat belt increases the risk of death or serious injury in the event of an accident.***

***The airbag supplementary restraint system (SRS) (where fitted) is designed to add to the overall effectiveness of the seat belts, it DOES NOT replace them. SEAT BELTS MUST ALWAYS BE WORN.***



P0041

**Upper anchorage adjustment**

The height of the seat belt upper anchorage can be adjusted for comfort AND safety. Press and hold the button (arrowed in the upper illustration) to raise or lower.

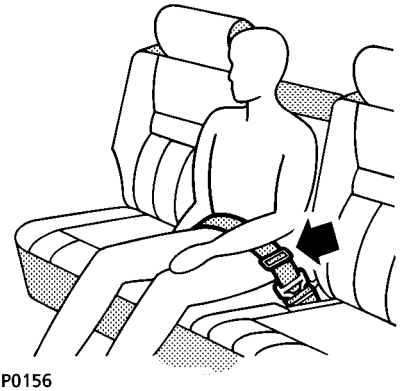
For maximum benefit, the seat belt should always be worn with the webbing crossing the shoulder MIDWAY BETWEEN THE NECK AND THE EDGE OF THE SHOULDER.

Ensure that the anchorage has 'clicked' into one of the locked positions before driving.

**Fastening inertia reel seat belts**

Draw the belt over the shoulder and across the chest, and insert the metal tongue plate into the lock nearest the wearer; a 'click' indicates that the belt is securely locked.

Seat belts are designed to bear upon the bony structure of the body (pelvis, chest and shoulders) and can only be worn safely with the seats in the normal UPRIGHT position; DO NOT allow the front passenger to travel with the seat steeply reclined.



P0156

**Fastening lap belts**

The rear central seating position is fitted with a lap belt. To adjust, pull the slider (arrowed in illustration) along the belt and feed the webbing through the buckle until the belt is comfortably tight. Insert the metal tongue plate into the lock nearest to the centre of the vehicle.

**Infant and child restraints**

All infant and child restraint systems are designed to be secured in vehicle seats by means of a lap belt or the lap portion of a lap/shoulder belt.

When installing and using any infant or child restraint system, always follow the manufacturer's instructions. Failure to properly secure the child restraint system can endanger the child in a collision or sudden stop and cause injury to other passengers.

The centre rear seating position is fitted with a lap belt which can be manually tightened to secure an infant or child restraint system. Older children should use the lap/shoulder belt fitted to the outer rear seating positions. **Never leave a child unattended in your vehicle.**




The above symbol affixed to the fascia panel of your vehicle, warns against the use of a REAR FACING child seat in the front passenger seat, when a passenger airbag is fitted. This type of child seat could cause serious injury to your child in the event of an airbag deployment.

**WARNING**

***Infants and children too small for seat belts should be restrained in a child safety seat or restraint system appropriate to their age and/or size, and which is approved for use in your vehicle. Always ensure that the manufacturer's fitting instructions are followed exactly.***

- ***DO NOT allow a baby or infant to be carried on the lap. The force of a crash can increase effective body weight by as much as 30 times, making it impossible to hold on to the child.***
- ***DO NOT use a child seat that 'hooks' over a seat back, it is not secure!***
- ***Accident statistics show that children are safer when properly restrained in the rear seating positions than in the front. However, if a forward facing child seat suitable for the size of child is available and it is necessary for a child to travel in the front, set the seat fully rearwards and use an approved FORWARD FACING child seat - DO NOT INSTALL REARWARD FACING CHILD SEATS IN ANY FRONT PASSENGER SEAT POSITION.***

### Caring for seat belts

Regularly inspect the belt webbing for signs of fraying, cuts and wear, also paying particular attention to the condition of the fixing points and adjusters.

DO NOT bleach or dye the webbing. Clean the webbing using warm water and non-detergent soap only; allow to dry naturally and DO NOT retract the belts or use the vehicle until they are completely dry.

### Testing inertia reel seat belts

From time to time carry out the following tests:

1. With the seat belt fastened, give the webbing near the buckle a quick upward pull. The buckle must remain securely locked.
2. With the seat belt fastened, sit back in the seat and ensure any slack has been rewound. Then move the upper body sharply forward from the hips - the mechanism must lock automatically and prevent any further unreeling of the belt.
3. With the seat belt unfastened, unreel the webbing to the limit of its travel. Check that unreeling is free from snatches and snags.

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

**WARNING**

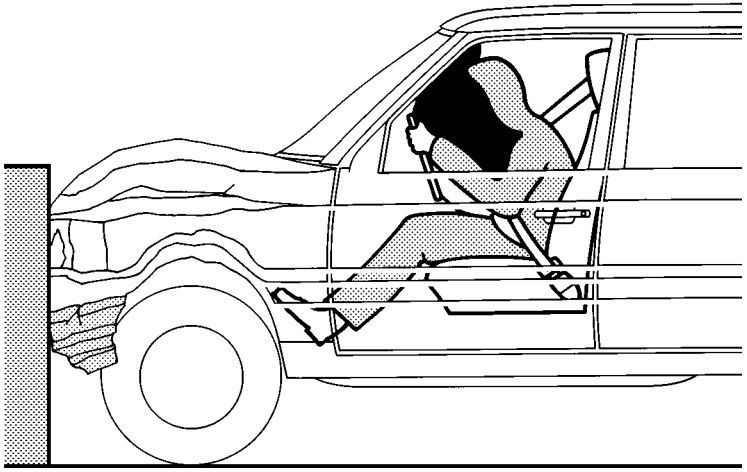
***Always replace a seat belt that has withstood the strain of an impact or shows signs of fraying.***

# *Airbag SRS*




The airbag supplementary restraint system (SRS) provides additional protection for the driver, and front seat passenger, in the event of a severe frontal impact on the vehicle.

**Always remember: the airbag is a supplementary restraint system that provides ADDITIONAL protection in a frontal impact only; it does NOT replace the need to wear a seat belt. For maximum safety protection in all crash situations, a seat belt must be worn.**



P0043A

# *Airbag SRS*




**How the airbag SRS works**

The airbag supplementary restraint system (SRS) includes twin airbag modules (shown in illustration) to protect both the driver and the front seat passenger.

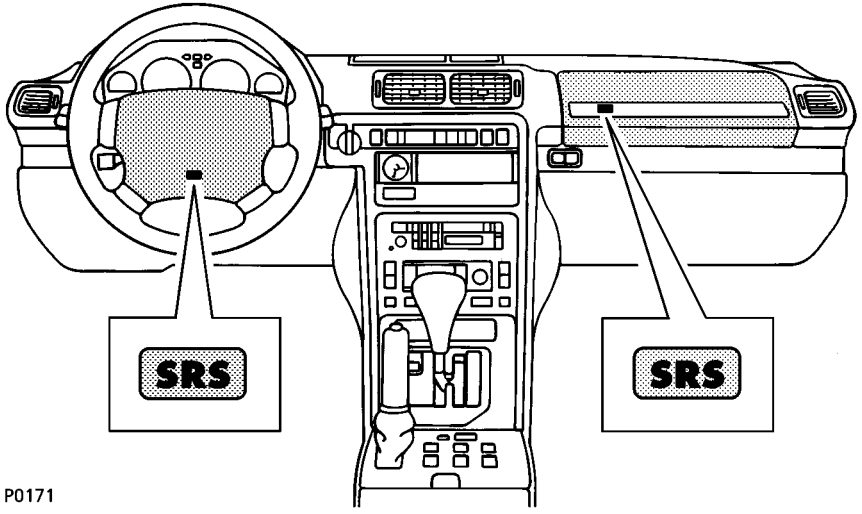
In the event of a collision involving a frontal impact, the airbag control unit crash sensor monitors the deceleration caused by the impact and determines whether the airbag SRS should be activated.

If the impact is sufficiently severe, the system causes each airbag to inflate. Inflation is instantaneous and accompanied by a loud noise. Also evident, may be traces of smoke and powder, which do not indicate a malfunction of the airbag. An airbag will not inflate as a result of heavy braking, minor bumps or pot holes.

After inflation, the airbags will immediately deflate, thereby ensuring that visibility is not impaired.

**WARNING**

***Following inflation some airbag SRS components are hot - DO NOT touch until they have cooled.***




P0171

**IMPORTANT INFORMATION**

**Even with an airbag SRS fitted, seat belts must ALWAYS be worn because:**

- Airbags will only provide additional protection in severe frontal collisions. No protection is afforded against the effects of side or rear impacts, roll over accidents or minor frontal impacts.
- Inflation and deflation take place instantaneously and will not provide protection against the effects of secondary impacts that can occur during multiple vehicle collisions.

**The airbag module inflates with considerable speed and force. For your safety:**

- NEVER attach accessory items to an airbag module cover, or place items of hand luggage or any objects on top of a module cover; these could interfere with the inflation of the airbag, or if the airbag inflates, be propelled inside the vehicle causing injury to the occupants.
- DO NOT allow occupants to obstruct the operation of the airbag modules by placing their feet, knees or any other part of their person in contact with, or in close proximity to, an airbag module while the vehicle is in motion.
- CHILD SEATS: Do not use a rear facing child seat in the front passenger seat. The inflating airbag could impact with the seat causing injury to the child. If it is necessary for a child to travel in the front, set the seat fully rearwards and ONLY use an approved FORWARD FACING child seat.

**Airbag SRS warning light**

A warning light, mounted on the instrument pack, will alert you to any malfunction which might prevent the airbag SRS from operating correctly in the event of a frontal impact. The system should always be checked by a dealer if any of the following symptoms occur:

- The warning light fails to illuminate when the starter switch is turned to position 'II'.
- The warning light fails to extinguish within approximately eight seconds after the starter switch is turned to position 'II'.
- The warning light illuminates or flashes while the vehicle is being driven.

***NOTE:*** *After the starter switch is turned to position 'II', the system's diagnostic control unit checks its own memory and the warning light bulb for faults. If a fault is found, the warning light will pulse.*

**Service information**

After a period of ten years some airbag components will need to be changed (note the 'airbag modules replacement date' shown on page 2 of the Owner Information & Service Record book). To ensure absolute safety, this work must ONLY be carried out by a Land Rover dealer, who should stamp and sign the appropriate page of the Owner Information & Service Record book once the work is complete.

In addition, ALWAYS contact your dealer if:

- an airbag inflates.
- the front of the vehicle is damaged, even if the airbag has not inflated.
- any part of an airbag module cover (the steering wheel centre pad or the passenger side fascia panel) shows signs of cracking or damage.

**WARNING**

***Do NOT attempt to service, repair, replace or modify any part of the airbag SRS; tampering could cause inadvertent activation of the system resulting in personal injury.***

**IMPORTANT INFORMATION**

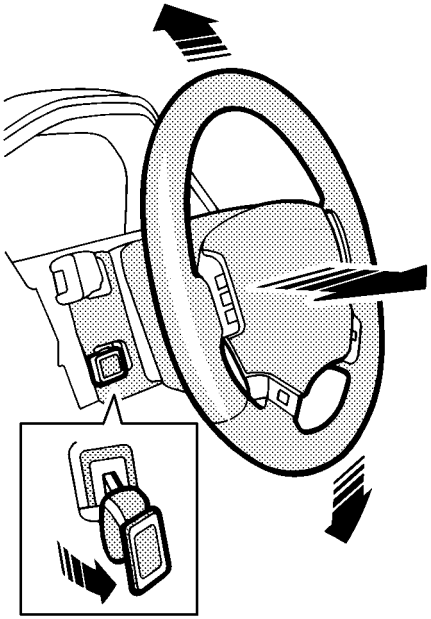
The components that make up the airbag SRS are sensitive to electrical or physical interference, either of which could easily damage the system and cause inadvertent operation or a malfunction of the airbag module.

ALWAYS seek the assistance of a Land Rover dealer to carry out any of the following:

- Removal or repair of any wiring or component in the vicinity of any of the SRS components (yellow wiring harness), including: the steering wheel, steering column, instrument and fascia panels.
- Installation of electronic equipment such as a mobile telephone, two-way radio or in-car entertainment system.
- Attachment of accessories to the front of the vehicle.
- Modification to the front of the vehicle.

In addition:
If you sell your Range Rover, be sure to inform the new owner that the vehicle has an airbag SRS, and make the new owner aware of the airbag module replacement date shown in the Owner Information & Service Record book.

If the vehicle is to be scrapped: uninflated airbags are potentially very dangerous and must be safely deployed in a controlled environment BEFORE a vehicle is scrapped.



P0096

**WARNING**

***DO NOT attempt to carry out the following adjustments while the vehicle is in motion. This is extremely dangerous.***

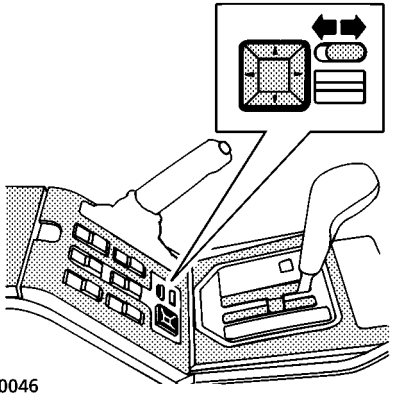
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**STEERING COLUMN ADJUSTMENT**

Adjust the angle and height of the steering column to suit your driving position:

1. Fully withdraw the lever and then pull it towards the steering wheel rim.
2. Keeping the lever in this position, tilt the steering column up or down to the required angle and pull or push to extend or retract the steering wheel.
3. Release the lever to lock the column in position when a comfortable driving position has been achieved

# Door mirrors



P0046

**ELECTRICALLY-OPERATED DOOR MIRRORS**

1. Slide the switch left or right to select the appropriate mirror.
2. With the starter switch turned to position 'I' or 'II', press the appropriate side of the rocker switch to tilt the mirror glass up/down/left or right.

***NOTE:*** *If your vehicle has an electrically-operated driver's seat, then the positions of the mirrors can be set in conjunction with the driver's seat positions (see 'Seats').*

***NOTE:*** *Door mirrors have integral heating elements which disperse ice or mist from the glass. This function operates continuously while the engine is running.*

**Automatic dipping for reverse gear selection**
(if fitted)

Vehicles with a driver's seat memory have a pre-stored function which causes the mirrors to dip automatically whenever reverse gear is selected. If necessary the mirror positions can be altered as follows:

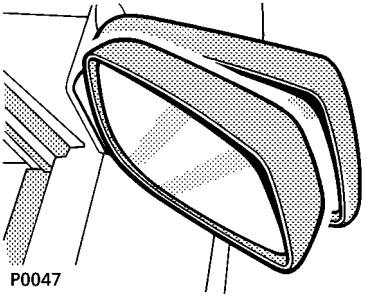
1. Turn the starter switch to position 'I' or 'II' (do not start the engine).
2. Select reverse gear.
3. Adjust either or both mirrors to the desired positions.
4. Press the seat MEMORY STORE switch together with either switch 1 or 2 (whichever corresponds with the driver's seat memory) for 2 seconds (the message centre displays 'MIRROR DIP STORE').

***To disable the dip function:***
Turn the starter switch to position 'I' or 'II' (do not start the engine) and select reverse gear.

Press and hold the seat MEMORY STORE switch for 2 seconds and the message centre displays 'MIRROR DIP OFF' and a tone sounds.

***To restore the dip function:***
Turn the starter switch to position 'I' or 'II' (do not start the engine), and select reverse gear.

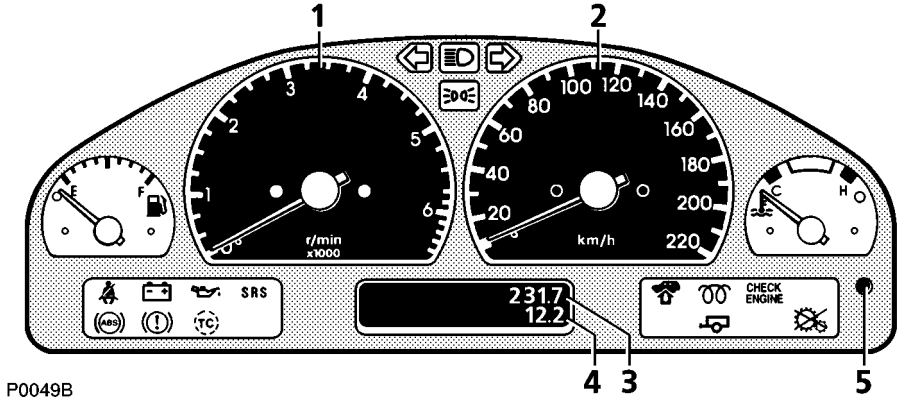
Press and hold the MEMORY STORE switch for 2 seconds and the message centre briefly displays the message 'MIRROR DIP ON' (returning mirrors to, either the factory or your own pre-set positions).




**Manual adjustment**

Each door mirror assembly can be moved through four positions.

The fully forward and rearward positions enable the mirror body to fold almost flat against the side of the vehicle and are useful for negotiating narrow openings. The two intermediate positions enable the mirror body to be adjusted to suit the differing requirements of either the passenger or driver's side of the vehicle - the forward intermediate position should be used for the driver's side, and the rear intermediate position used for the passenger side.




P0049B

**1. Tachometer**
Indicates engine speed in revolutions per minute.

Your vehicle is fitted with a system which automatically restricts the number of revolutions per minute once the engine's maximum 'governed' speed has been reached.

Engine speed restriction limits
Petrol: 5,500 rpm
Diesel: 4,950 ± 150 rpm

**2. Speedometer**
Indicates road speed in miles and/or kilometres per hour.

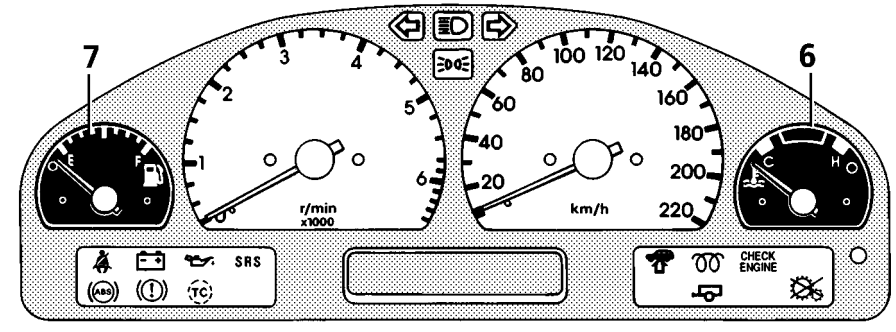
**3. Total distance recorder**
Indicates the total distance travelled by the vehicle. (Turn the starter switch to position II to illuminate display).

**4. Trip recorder (trip 1)**
Records individual journey distances (see also *'Trip computer'*). (Turn the starter switch to position II to illuminate display).

**5. Trip recorder reset button (trip 1)**
Press to return the trip recorder to zero.

**WARNING**

***DO NOT attempt to open the instrument pack or change the instrument bulbs - warranty cover may be invalid if the pack has been tampered with.***




P0388A

**6. Temperature gauge**

Once the engine coolant has reached its normal operating temperature the pointer should be almost vertical (the precise position will vary depending on the ambient temperature). If the pointer moves towards the RED segment a RED warning light in the temperature gauge illuminates. Should the pointer move INTO the red segment, stop the vehicle as soon as safety permits and seek qualified assistance before continuing.

**7. Fuel gauge**

The pointer drops to zero when the starter switch is turned off, but quickly rises to show the level of fuel in the tank when the switch is turned to position 'II'. After refuelling, the gauge rapidly changes to reflect the increase of fuel in the tank.

***NOTE:*** *The gauge may not indicate fuel level increases of 15 litres or less.*

When the fuel remaining in the tank is a minimum of 9 litres, the AMBER warning light will illuminate. If the light illuminates, refuel at the first opportunity.

Fuel tank capacity is approximately:

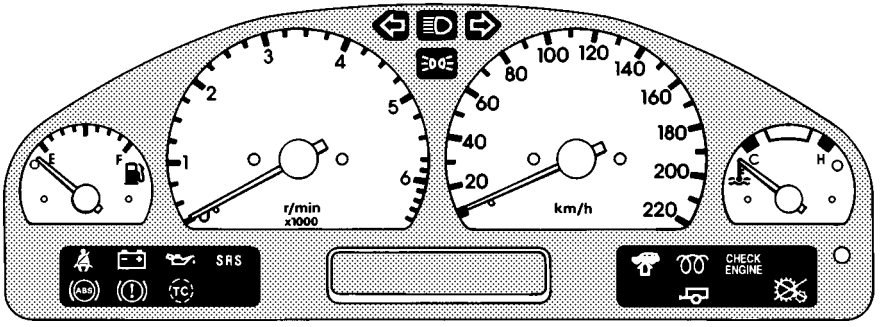
Petrol engines: 100 usable litres

Diesel engines: 90 usable litres

**WARNING**

***NEVER allow your vehicle to run out of fuel (the resultant misfire may destroy the catalytic converter).***

# Warning lights



P0389A

The specification of the warning lights will vary according to model and market requirements.

Some warning lights may also be accompanied by a message which will appear in the message centre display on the instrument pack. (see *'Message centre'* for details).

The warning lights are colour coded as follows:

GREEN & BLUE lights indicate that a unit is operating.

AMBER & YELLOW lights are cautions.

RED lights are warnings.

**WARNING**

***DO NOT drive if a RED warning light remains on once the engine is running or illuminates whilst driving.***

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CHECK ENGINE

**Check engine - AMBER (Petrol models).**

The light illuminates when the starter is turned to position 'II' as a bulb check and extinguishes when the engine is running. Illumination at any other time indicates an engine fault; if the light flashes, reduce speed and seek qualified assistance immediately.



**Check engine - AMBER (Diesel models).**

The light illuminates when the starter is turned to position 'II' as a bulb check and extinguishes when the engine is running. Illumination at any other time indicates an engine fault; if the light illuminates, avoid high speeds and seek qualified assistance urgently.



**Handbrake/brake system - RED.**
Illuminates for 3 seconds as a bulb check when the starter switch is turned to position 'II' and also illuminates when the handbrake is applied and the starter switch is in position 'II'.

The light should extinguish when the handbrake is fully released or after the bulb check if the handbrake is off. If the light illuminates whilst driving, a fault is indicated. Stop the vehicle as soon as safety permits and seek qualified assistance before continuing.

***NOTE:*** *If the vehicle has been standing for some time, it may take up to 40 seconds before the light extinguishes (in this case, ABS and TC warning lights will also be illuminated).*



**Catalyst - RED (JAPAN only).**
Illuminates for 3 seconds as a bulb check when the starter switch is turned to position 'II', it also illuminates if the catalytic converter overheats. If the light does not extinguish after the bulb check, or illuminates whilst driving, slow down and then stop the vehicle as soon as safety permits. Seek qualified assistance before continuing.



**Glow plug - AMBER. (Diesel only).**
Illuminates when the starter switch is turned to position 'II'. WAIT for the light to extinguish before staring the engine.



**Seatbelt - RED.**
The light illuminates for 6 seconds when the starter switch is turned to position 'II'. ALWAYS fasten your seat belt BEFORE driving.



**Battery charging - RED.**
Illuminates as a bulb check when the starter switch is turned to position 'II' and extinguishes when the engine is running. If it remains on or illuminates when driving, a fault is indicated. Seek qualified assistance urgently.



**Trailer direction indicators - GREEN.**
This light is only operative when a trailer is connected to the vehicle via a multi-pin socket. The light flashes in conjunction with the vehicle direction indicators, thus confirming that the trailer indicator lights are operating correctly. In the event of the failure of a trailer direction indicator light, the warning light will not illuminate.



**Low engine oil pressure - RED.**
Illuminates as a bulb check when the starter switch is turned to position 'II', and extinguishes when the engine is running. If it remains on when the engine is started, or comes on during a journey, stop the vehicle as soon as safety permits and seek qualified assistance before continuing. Always check oil levels when this light illuminates.

***NOTE:*** *At very low ambient temperatures the light may take several seconds to extinguish.*




**ABS - YELLOW.**
This light illuminates for approximately 1 second when the starter switch is turned to position 'II', and then briefly extinguishes before coming on again. If the light does not extinguish and then illuminate again then a fault has occurred with the ABS system and you should consult your Land Rover dealer at the earliest opportunity. The warning light will remain illuminated until the vehicle is driven above approximately 7 km/h.

If the light remains illuminated or subsequently illuminates whilst driving, a fault has been detected by the self-monitoring system. The message centre will display 'ABS FAULT'; this means that full ABS control may not be available, and you should consult your dealer at the earliest opportunity.




**Airbag SRS - RED.**
The light illuminates when the starter switch is turned to position 'II', and extinguishes after approximately 8 seconds. If the light illuminates at any other time, a fault is indicated *(see 'Airbag SRS').* Seek qualified assistance urgently.



**Transfer gearbox - AMBER.**
The light starts flashing when the 'Hi/Lo' switch is pressed (manual gearbox vehicles), or when the selector lever is moved across the 'H-gate' (automatic gearbox vehicles), and continues flashing until the transfer gearbox has completed a change from one range of gears to another.

On manual gearbox vehicles, DO NOT release the clutch or select a gear until the light stops flashing. On automatic gearbox vehicles, DO NOT release the brakes or drive until the light stops flashing.




**Traction control (TC) - AMBER.**
Illuminates for three seconds after the starter switch is turned on and the ABS and traction control systems have completed their self-checks.

Whilst driving, the TC light will illuminate (for a minimum of two seconds) whenever traction control is active; the light extinguishing as soon as traction control ceases. The light flashing (for at least ten seconds) indicates that the system has been over-used; it will be available again once the system components have cooled.

If the light illuminates continuously, a fault with the system is indicated; seek qualified assistance.



**Direction indicators - GREEN.**
The left or right warning light flashes in time with the corresponding left or right direction indicators whenever they are operated. A warning light flashing at twice the normal speed indicates that a direction indicator bulb has failed (the message centre will indicate which bulb is faulty). If a trailer is connected and a rear indicator bulb fails then the message will not be displayed. When the hazard switch is pressed, both warning lights will illuminate in conjunction with the indicator lights.



**Headlight main beam - BLUE.**
This light illuminates whenever the main beam headlights are on.



**Lights on - GREEN.**
This light illuminates when the sidelights and/or headlights are switched on. It will not illuminate when parking lights or headlight delay are in operation.



**Air suspension - AMBER**
Illuminates as a bulb check when the starter switch is turned on and remains illuminated until two seconds after the engine has started.

In addition, the light will illuminate whilst driving whenever 'High' or 'Extended' ride heights are selected, and also if a fault with the air suspension system is detected.

---

**AUDIBLE WARNINGS**

In some markets one or more of the following audible warnings may be included in the vehicle specification.

**Starter key warning**

An audible warning sounds if the key is left in the starter switch when the driver's door is opened if the engine is not running. It will cease as soon as the key is removed or the driver's door is closed.

This is accompanied by the message centre displaying 'IGNITION KEY IN'.

**Lights on warning**

An audible warning sounds if the driver's door is opened whilst the headlights are turned on and after the key is removed from the starter switch. It will cease as soon as the lights are switched off or when the driver's door is closed. The warning is accompanied by the message centre displaying 'LIGHTS ON'.

**Driver's seat belt reminder**

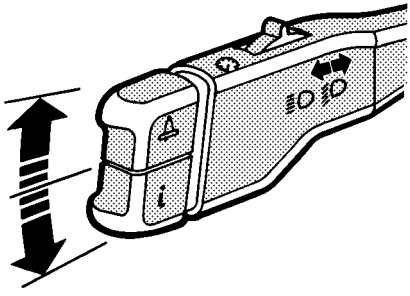
A continuous audible warning sounds and the message centre displays 'SEAT BELT PLEASE' for a 6 second period or until the seat belt is latched.

**Excess speed warning**

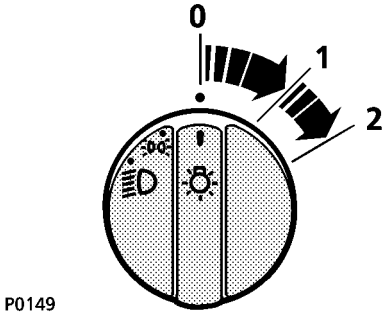
A continuous audible warning sounds whenever the vehicle speed exceeds approximately 120 km/h and ceases as soon as the vehicle speed falls below 120 km/h. This is accompanied by the message centre displaying 'SPEED LIMIT 120'. This function is independent of the trip computer overspeed function - (see *'Trip computer'* for further information).

**High/Low range change warning**

An audible warning will sound whilst a change from one gear range to another is attempted. The warning will cease once the change is complete or is cancelled.



P0067




P0149

**Direction indicators**

Move the lever DOWN to indicate a LEFT turn, and UP to indicate a RIGHT turn (the appropriate GREEN warning light on the instrument panel will flash in time with the direction indicators).

Hold the lever part-way up or down against spring pressure to indicate a lane change.

**Side, tail and instrument panel lights**

Insert the starter key and turn the lighting switch to position '1'.

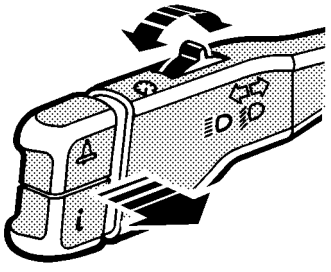
**Headlights**

Turn the lighting switch to position '2'.

To illuminate the driveway after leaving the vehicle, the headlight courtesy delay can be operated, as follows:

**Headlight courtesy delay**

1. Turn the lighting selector switch to position '2' and the starter switch to position 'II'.
2. Turn the starter switch back to position '0', remove the key, and turn the lighting switch from position '2' to '0'.
3. The headlights will remain on for approximately 25 seconds and the message centre will display 'HEADLIGHT DELAY'.



P0071

**Headlight main and dipped beams**

Pull the lever fully towards the steering wheel to change from dipped beam to main beam (BLUE warning light on the instrument panel glows when the headlights are on main beam).

To flash the headlights, pull the lever part-way toward the steering wheel (to the first position) and release.

**Parking lights**

With the lighting switch in position '1' and the starter key removed, move the direction indicator lever fully DOWN to illuminate the left hand side and tail lights or UP to illuminate the right hand side and tail lights (lights on both sides will remain on if the lever is in its CENTRAL position). To switch off, turn the lighting switch to position '0'.

**Instrument dimmer control**

Rotate the rocker switch to the left or right to reduce or increase the intensity of instrument panel illumination. The dimmer also controls the illumination level of switches and (where fitted) the intensity of the air conditioning LCD display.

The instrument dimmer also controls the intensity of the message centre display. However, note that if the illumination level is set to its maximum (rotate rocker switch to the right and hold), then a momentary press of the rocker switch to the left will dim the message centre display, but leave the instrument illumination at maximum.

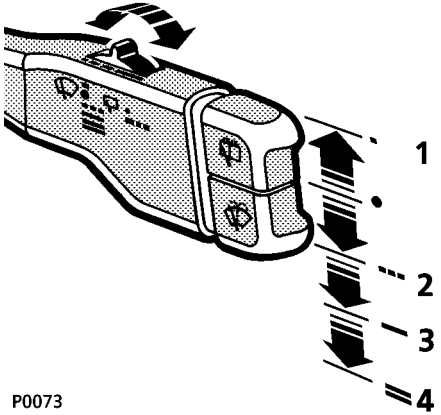
***NOTE:*** *On vehicles fitted with power operated memory seats, if the side lights are switched on when a driver's seat position is stored in the seat memory, then the illumination level of the instrument panel will be stored at the same time.*

**WINDSCREEN WIPERS**

The windscreen wipers will only operate when the starter switch is turned to position 'I' or 'II'.

**WARNING**

***To prevent possible overload damage to the linkage or the wiper motors in either freezing or extremely hot conditions, care must be taken to ensure that the wiper blades are not adhering to the glass before operating the wipers.***




P0073

**FRONT SCREEN**

To operate the front screen wipers only, the lever must be pushed away from the steering wheel.

**Single wipe**

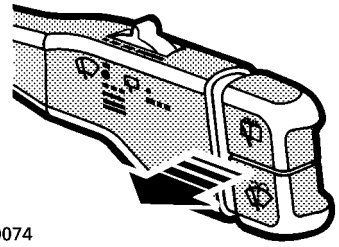
Raise the lever to position '1' and release.

**Intermittent wipe**

Lower the lever to position '2' to engage intermittent wipe. Rotate the thumb wheel left or right to reduce or increase the delay between wipes.

**Normal/fast speed wipe**

Lower the lever to position '3' for normal; and to position '4' for fast continuous wipe speed.



P0074

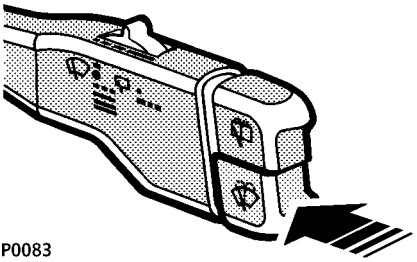
**REAR SCREEN**

Pull the lever towards the steering wheel for rear screen intermittent wipe.

All front wiper functions are also available in this position, using the four positions described on the previous page.

If the front wipers are operating in intermittent mode then the rear wiper will wipe on every second operation of the front wipers. If the front wipers are operating in continuous mode, then the thumbwheel controls the delay of the rear wiper.

**WINDSCREEN WASHER**



P0083

**Front screen wash/wipe**

Press and hold the lower button to operate the front screen wash/wipe. The washers will continue operating for as long as the button is pressed. After releasing the button, the wipers will complete 3 full wipes before either parking or continuing with any other selected wiper function.

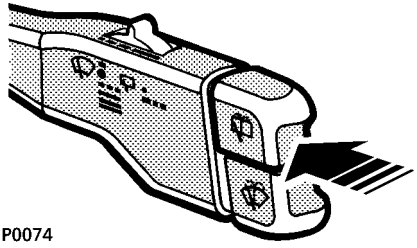
A momentary press on the lower button will initiate a programmed wash/wipe. The washers will operate briefly and then stop automatically, the wipers then completing 3 full wipes before either parking or continuing with another function. Moving the lever to any other front wipe position during the programmed wash/wipe will cancel the remainder of the programme.

***NOTE:*** *If the wiper system senses a low fluid level in the washer reservoir, then the programmed wash/wipe will only operate for as long as the button is pressed, i.e. there will be no timed wash and no additional 3 wipes.*

**Washer jets**

To adjust the front screen washer jets, insert a needle into the jet orifice and use it to position the jet so that the spray is directed towards the horizontal centre line of the windscreen.

If the jets become obstructed, a needle or strand of wire can be used to clear the blockage.



P0074

**Rear screen wash/wipe**

Press and hold the upper button to operate the rear screen wash/wipe. The washer will continue operating for as long as the button is pressed. After releasing the button, the wiper will complete 3 full wipes before either parking or continuing with any other selected function.

A momentary press on the upper button will initiate a programmed wash/wipe. The washer will operate briefly and then stop automatically, the wiper then completing 3 full wipes before either parking or continuing with another function. Moving the lever to any other rear wipe position during the programmed wash/wipe will cancel the remainder of the programme.

The rear wiper will operate automatically whenever reverse gear is selected, provided the front screen wipers are operating in either intermittent, or continuous mode.

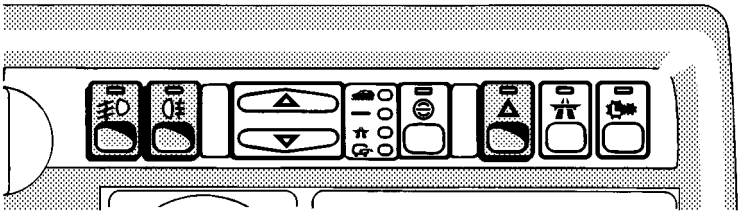
**Headlight wash/wipe** (if fitted)

Headlight wash/wipe is controlled by a timer unit, and operates automatically on every second wash of the front screenwash system when the headlights are switched on.

***NOTE:*** *If the wiper system registers a low screen wash fluid level the headlight wash/wipe will not operate at all.*

**Low screen wash fluid**

When the screen wash level is low, the message centre displays 'LOW SCREEN WASH'. The message appears whenever the front or rear wash/wipe systems are used and is also activated whenever the starter switch is turned to, or from, position 'II'. To reset the system the reservoir must be filled when the starter switch is turned off (see *'Windscreen washer top-up'*).



P0076

**DASHBOARD CENTRE CONSOLE SWITCHES**

The following switches are located on the centre console between the driver and front seat passenger:



**Front fog lights** (if fitted)
Press to switch on and off; the switch illuminates while the lights are switched on.

The lights operate only with the starter switch in position 'II' and the headlights or side lights on. Note that the fog lights will have to be re-selected if the head/sidelights or the starter switch have been turned off.

DO remember to switch off as soon as visibility is clear.



**Rear fog guard lights**
Press to switch on and off; the switch illuminates while the lights are switched on. The rear fog guard lights will operate only when the starter switch is in position 'II', and when either:

- the headlights are switched on, or
- the sidelights and front fog lights are switched on.

Note that the fog guard lights will have to be reselected if the headlights or side lights and front fog lights have been turned off.

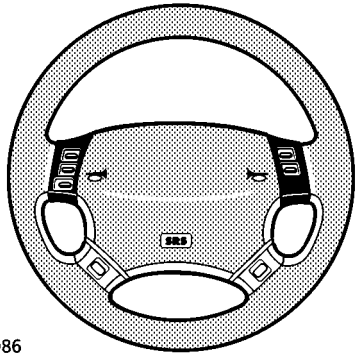
**REMEMBER:** In clear conditions rear fog guard lights can dazzle other road users. Use only when visibility is severely restricted.



**Hazard warning lights**
Press to operate; all the direction indicators, including those fitted to a trailer, will flash in conjunction with each other.

Use ONLY in an emergency to warn other road users when your stationary vehicle is causing an obstruction, or is in a hazardous situation. Remember to switch off before moving away.

***NOTE:*** *The functions of the electronic air suspension system switches are described under 'Air suspension'. The cruise control master switch (if fitted) is described under 'Cruise control' and the manual transmission gear range switch (if fitted) is shown under 'Manual transmission'.*




P0086

**STEERING WHEEL SWITCHES**

If fitted, the following switches are located on the steering wheel:

**Cruise control**

The functions of the cruise control switches 'SET+' and 'RES' are described under *'Cruise control'.*

**Mode switch**

**Mode** Press the MODE switch to select either: radio, tape, or CD player (see *'In-car entertainment').*

**Seek/search forward**

Press to select the NEXT preset station on the selected waveband. When tape or CD player are being used, seek/search is used to select the next track.

**Seek/search backward**

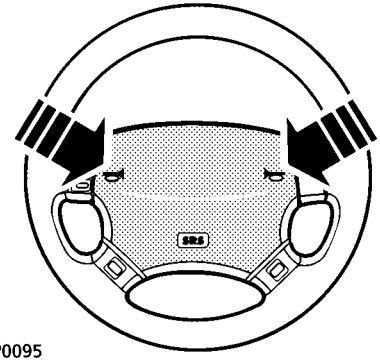
Press to select the PREVIOUS preset station on the selected waveband. When tape or CD player are being used, seek/search is used to select the previous track.

**Volume up**

Press the positive switch to increase the volume.

**Volume down**

Press the negative switch to decrease the volume.

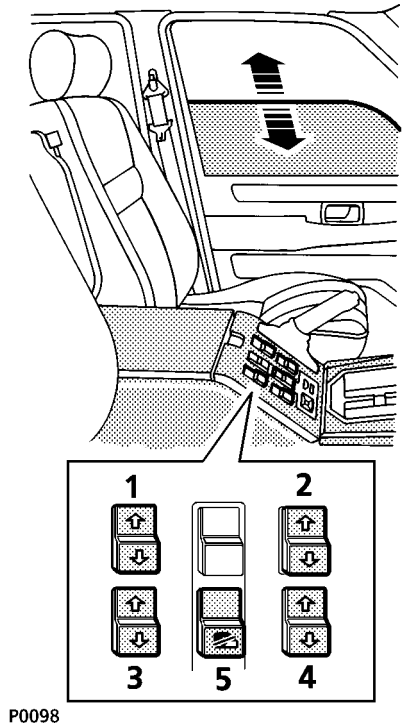



P0095

**Horn**

To operate the horn press on any of the horn symbols on the edge of the steering wheel pad.

# *Electric windows*



P0098

The switches on the centre console operate the following windows:

**1.** Right hand front window.

**2.** Left hand front window.

**3.** Right hand rear window.

**4.** Left hand rear window.

**5.** Switch to isolate rear door window switches (when carrying children).

***NOTE:*** *Rear windows can also be operated by individual window switches mounted on each rear door, provided the isolation switch is not activated.*

**Operating the windows**

The electric windows can be operated when the starter switch is in position 'I' or 'II' and for up to 45 seconds after the starter switch is turned off (provided neither front door is opened in the meantime). If a front door is opened, then a further 45 second period commences.

***NOTE:*** *Only manual mode (not 'one-touch') is available for the 45 second period(s).*

Press and hold the lower part of a switch to lower and the upper part to raise the window. The window will stop moving as soon as the switch is released.

**WARNING**

***Accidental closing of a window on fingers, hands or any vulnerable part of the body, can result in serious personal injury.***

***Always observe the following precautions:***

- ***ISOLATE the rear window switches when carrying children.***
- ***ENSURE children are kept clear when raising or lowering a window.***
- ***NEVER leave children alone in the vehicle.***
- ***ENSURE that all adult passengers are fully familiar with the controls and the potential dangers of electrically-operated windows.***
- ***ENSURE the 'anti-trap' function is activated.***

**'One-touch' up & down**

By briefly pressing and then releasing a switch (within $^1/_2$ second), a window can be opened or closed at a single touch. Window movement can be stopped at any time by pressing the opposing side of the switch.

***NOTE:*** *'One-touch' up is not available on rear windows.*

**'Anti-trap' function**

The 'anti-trap' function is a safety feature which prevents a window from closing when an obstruction is sensed ('WINDOW BLOCKED' appears in the message centre). It is recommended that this is set at all times, but particularly when carrying children.

***NOTE:*** *If the 'one-touch' and 'anti-trap' functions have not been set, an audible warning sounds and 'WINDOW NOT SET' is displayed in the message centre whenever a window is closed and also whenever the starter switch is turned on or off.*

**Setting the 'one-touch' & 'anti-trap' functions**

If the battery has been disconnected, it will be necessary to reset the 'one-touch' and 'anti-trap' functions on each window, using the following procedure:

1. FULLY open and close each window in one continuous operation (note that as the window is closing, an audible warning sounds and 'WINDOW NOT SET' is displayed in the message centre).
2. Once the window has been fully opened and closed, an audible warning sounds and 'WINDOW SET' (together with a window identifier message) is displayed in the message centre.

The 'one-touch' and 'anti-trap' functions will now be operational.

***NOTE:*** *The 'one-touch' up function is available on front windows only.*

**Overriding the 'anti-trap' function**

Under certain conditions, you may wish to override the 'anti-trap' function. If, for example, you attempt to operate the windows with the operating mechanism partially frozen, the 'anti-trap' function may falsely sense a trap situation and fail to close the window (always clear any ice from the window to prevent overloading the operating mechanism).

The 'anti-trap' function can be overridden as follows:

1. Using the centre console switches only, press and hold the upper part of the appropriate window operating switch within 10 seconds of the window backing off (after it has falsely sensed a trap situation).
2. Continue to hold the switch until the window is either closed or has reached the desired position (note that as the window is closing, an audible warning sounds and 'ANTI-TRAP OFF' is displayed in the message centre).

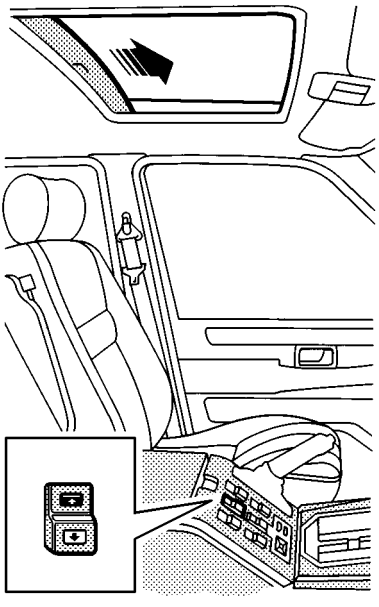
***NOTE:*** *The 'anti-trap' function will be operational again, as soon as the window operating switch is released.*

**Rear window isolation switch**

Press the bottom of the switch to isolate the rear window controls (a tone will sound and the message centre displays 'REAR WINDOWS OFF'); press the top of the switch to restore independant control.

Always isolate the rear window switches when carrying children.

# Electric sunroof



P0100

The sunroof can be operated when the starter switch is in position 'I' or 'II' and for up to 45 seconds after the starter switch is turned off (provided the driver's door is not opened in the meantime). If the driver's door is opened, then a further 45 second period commences.

***NOTE:*** *Only manual mode (not 'one-touch') is available for the 45 second period(s).*

***NOTE:*** *The sunroof blind can be opened and closed manually, but will retract automatically when the sunroof is opened.*

The sunroof opens and closes in two separate phases as follows:

**To TILT the roof:**
With the sunroof closed, press and hold the lower part of the switch, releasing when the sunroof is at the desired angle. Press and hold the upper part of the switch to close the sunroof.

**To OPEN the roof:**
Press and hold the upper part of the switch, releasing when the sunroof is in the desired position. Press and hold the lower part of the switch to close the sunroof.

**'One-touch' operation**

Briefly press and then release the upper part of the switch (within $^1/_2$ second): The sunroof will open to a pre-set position which minimises air turbulance (and noise) within the vehicle. To fully open the sunroof, press and release the switch for a second time. Press and release the lower part of the switch (within $^1/_2$ second) to close the sunroof at a single touch. Sunroof movement can be stopped at any time by pressing the opposing side of the switch.

***NOTE:*** *'One touch' operation is not applicable to the tilt function.*

**'Anti-trap' function**

The 'anti-trap' function is a safety feature which prevents the sunroof from closing when an obstruction is sensed (message centre shows 'SUNROOF BLOCKED'). It is recommended that this is set at all times, but particularly when carrying children.

***NOTE:*** *If the 'one-touch' and 'anti-trap' functions have not been set, an audible warning sounds and 'SUNROOF NOT SET' is displayed in the message centre whenever the sunroof is operational and also whenever the starter switch is turned on or off.*

**Setting the 'one-touch' & 'anti-trap' functions**

If the battery has been disconnected, it will be necessary to reset the 'one-touch' and 'anti-trap' functions using the following procedure.

1. FULLY open and close and then FULLY tilt and close the sunroof in one continuous operation; an audible warning sounds, and 'SUNROOF NOT SET' is displayed in the message centre whilst the sunroof is in motion.
2. Once this operation has been successfully completed, an audible warning sounds and 'SUNROOF SET' is displayed in the message centre.

The 'one-touch' and 'anti-trap' functions will now be operational.

**WARNING**

***Accidental closing of a sunroof on fingers, hands or any vulnerable part of the body, can result in serious personal injury.***

***Always observe the following precautions:***

- ***ENSURE that passengers are kept clear when closing the sunroof.***
- ***NEVER leave children alone in the vehicle.***
- ***ENSURE that all adult passengers are fully familiar with the controls and the potential dangers of operating an electrically-operated sunroof.***
- ***DO NOT allow passengers to extend any part of their bodies through the sunroof while the vehicle is moving.***
- ***ENSURE the 'anti-trap' function is activated whenever possible.***

**Overriding the 'anti-trap' function**

Under certain conditions you may wish to override the 'anti-trap' function. If, for example, you attempt to operate the sunroof with the operating mechanism partially frozen, the 'anti-trap' function may falsely sense a trap situation and fail to close the sunroof (it is recommended that you clear any ice from the sunroof to prevent overloading the operating mechanism).

The 'anti-trap' function can be overridden as follows:

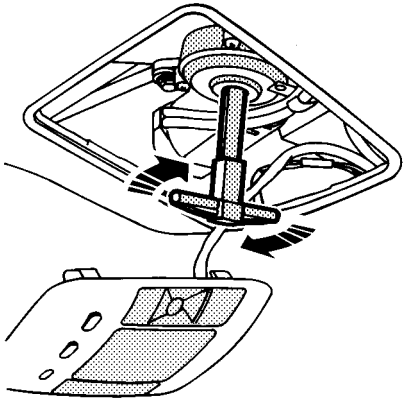
1. Press and hold the appropriate (upper or lower) part of the switch within 10 seconds of the sunroof backing off (after it has sensed a trap situation).
2. Continue to hold the switch until the sunroof is closed; an audible warning sounds and 'ANTI-TRAP OFF' and 'SUNROOF' are displayed in the message centre.

The 'anti-trap' function will be operational again, as soon as the switch is released.

**Leaving the vehicle**

The message centre will show 'SUNROOF OPEN' if the starter key is removed and the driver's door opened with the sunroof still open.

If you are leaving the vehicle ALWAYS close the sunroof.



P0208

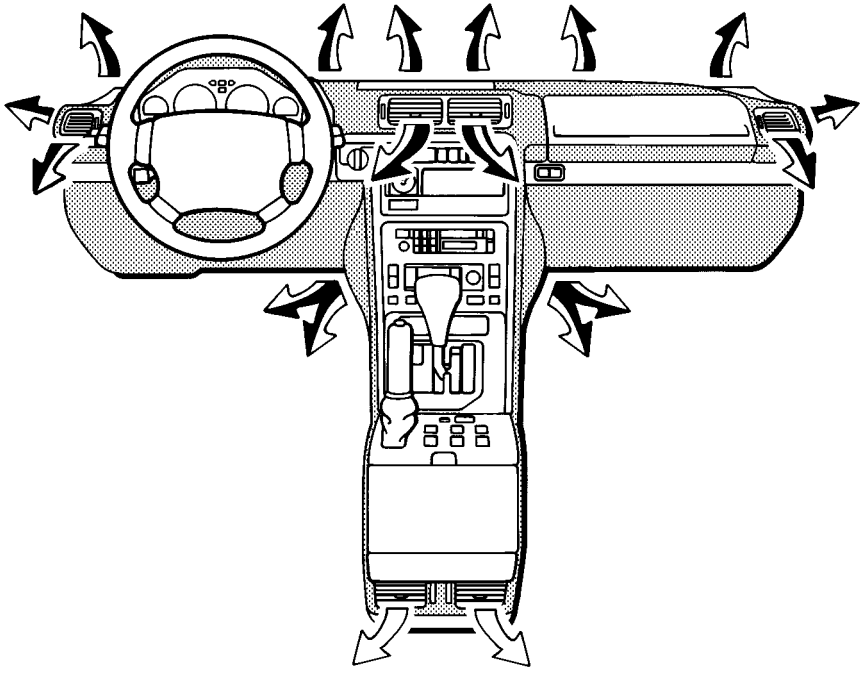
**Emergency operation**

If sunroof operation should fail, first check the fuse and renew if necessary.

If necessary, the emergency operating key (stowed in the glovebox) can be engaged in the sunroof motor spindle and used to manually turn the spindle to close the sunroof (see illustration).

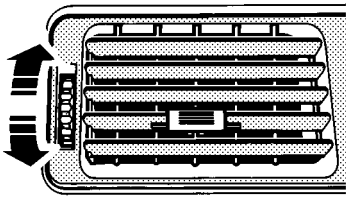
The spindle is accessible by prising the front courtesy light unit from the headlining.

On completion of manual operation, the spindle must be turned back one quarter of a turn to re-engage the drive mechanism.



The heating and ventilation system provides fresh or heated air to the vehicle occupants. Outlets are positioned to supply air at both face and foot level and also to the windscreen, as well as to a single lap cooler vent positioned below the steering wheel. The location of the vents is shown in the illustration.

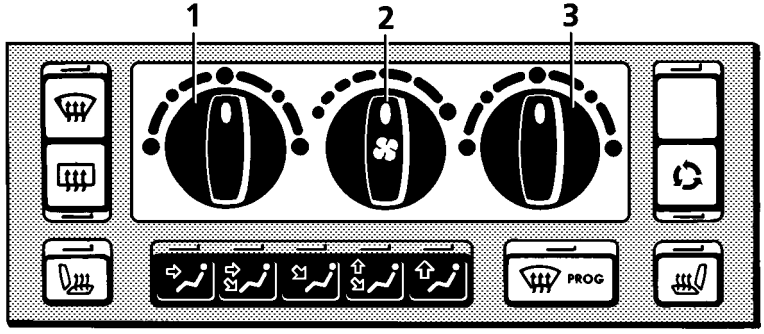
Vehicles fitted with Automatic Temperature Control (ATC) are equipped with two additional outlets which supply de-humidified air to the rear of the passenger compartment.



P0125

**Face level vents**

Push the thumbwheel down/up to open/close the vent. Direct the airflow by moving the slider in the centre of the vent. Fully opening the driver's outboard vent also opens the lap cooler outlet.




P0101

**HEATER CONTROLS**

**1.** Left-hand temperature control

**2.** Fan speed control

**3.** Right-hand temperature control

**Temperature controls**

Clockwise rotation of the left or right knob increases the temperature on the corresponding side of the vehicle. Anti-clockwise rotation reduces the temperature.

**Fan speed control**

Rotate clockwise to increase and anti-clockwise to decrease the fan speed.

**Air distribution**

Press the appropriate button to direct air as required (the corresponding indicator light illuminates).

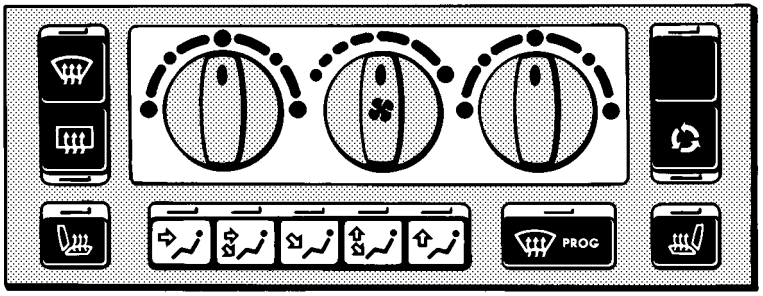
Air to face vents and lap cooler

Air to face vents and foot outlets.

Air to foot outlets.

Air to foot outlets and windscreen. (Recommended for clearing mild windscreen misting)

All air to windscreen and side window outlets. (Recommended for clearing heavy windscreen misting)




P0206

**Programmed defrost/demist**

With the engine running, press the 'PROG' button to clear frost and mist at the beginning of a journey (indicator light illuminates).

'Programmed defrost' automatically activates the following functions:

- The most efficient heater settings to clear the windscreen and front side windows
- The heated rear screen - for a maximum of 16 minutes
- The heated windscreen (if fitted) - for a maximum of 4 minutes

Press 'PROG' again to cancel 'programmed defrost' and restore the original settings.

**Recirculation**

Press to recirculate air inside the vehicle interior (indicator light illuminates) - useful to prevent traffic fumes from entering the passenger compartment. Press again to cancel recirculation.

***NOTE:*** *Prolonged recirculation may cause the windows to mist up.*

**Heated rear screen**

Press to defrost/demist the rear screen - press again to switch off. This function will switch off automatically after 16 minutes.

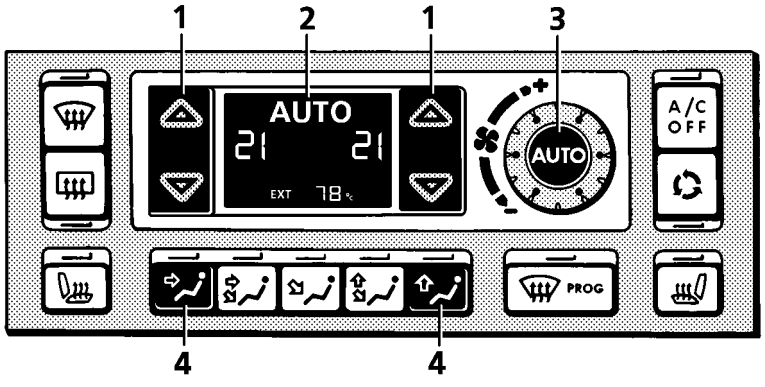
**Heated windscreen** (if fitted)

Press to defrost/demist - press again to switch off. This function will switch off automatically after 4 minutes.

**Heated front seats** (if fitted)

Press to heat seats (indicator light illuminates) - press again to switch off.

***NOTE:*** *For the heater to function correctly, ensure that the air intake at the base of the windscreen is free from ice, snow or other debris.*




P0102

**AUTOMATIC TEMPERATURE CONTROL (ATC)**

Automatic temperature control consists of a computer controlled heating and air conditioning system. It is programmed to reach and then maintain optimum levels of comfort within the vehicle, irrespective of climatic conditions.

**FULLY AUTOMATIC OPERATION**

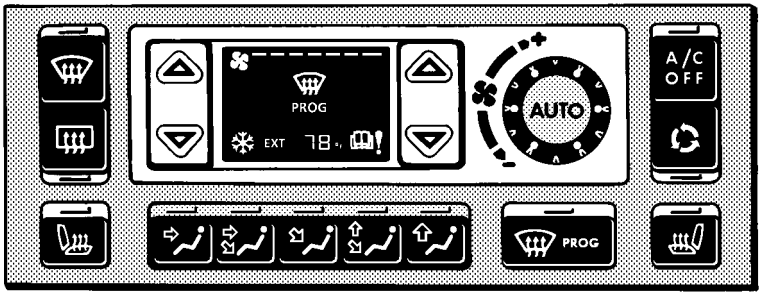
With the engine running, press the 'Auto' button **(3)** ('Auto' appears in the display) and then press the rocker switches **(1)** either side of the display **(2)** to adjust the temperature for the corresponding side of the vehicle, until an agreeable comfort level (about 21° C is recommended) is reached. 'HI' or 'LO' will appear in the display when the maximum/minimum temperatures are selected, in which case the system will not function automatically.

To change the temperature scale to either Centigrade or Fahrenheit press the two outermost air distribution buttons **(4)** simultaneously for approximately 4 seconds.

***NOTE:*** *The automatic temperature control system will not achieve temperatures on the passenger side of the vehicle that are more than 6° C greater or less than the temperature set for the driver's side.*

For optimum comfort, ensure all the vents, including those in the rear, are open and that the slider in the centre of each vent is in its central position.

***NOTE:*** *For ATC to function correctly, all windows should be closed and the air intake at the base of the windscreen must be free from ice, snow, leaves or other debris.*




P0207

**Programmed defrost/demist**

PROG With the engine running, press the 'PROG' button to clear frost or mist at the beginning of a journey (indicator light illuminates and the 'PROG' symbol appears in the display).

The 'programmed defrost' facility automatically activates the following:

- The most efficient heater settings to clear the windscreen and front side windows
- The heated rear screen - for a maximum of 16 minutes
- The heated windscreen (if fitted) - for a maximum of 4 minutes

Press the button again to deactivate 'programmed defrost' and restore the original settings.

**Recirculation**

Press to recirculate air inside the vehicle interior (indicator light illuminates) - useful to prevent traffic fumes from entering the passenger compartment. Press again to cancel recirculation.

***NOTE:*** *Prolonged recirculation may cause the windows to mist.*

**Air conditioning 'off'**

A/C OFF Press to switch the air conditioning off (indicator light illuminates). With air conditioning off, the ATC will function in a semi-automatic mode with minimal disturbance to your comfort. When the ATC can no longer achieve comfort without assistance from the air conditioning, the air conditioning indicator light will flash for 10 seconds. Press again to restore the previous air conditioning settings.

***NOTE:*** *In very humid conditions, slight screen misting may be experienced when the air conditioning system is turned on. This is a natural occurance on most automotive air conditioning systems. It is not a fault; misting will clear after a few seconds once the air conditioning system is operating.*

**SEMI AUTOMATIC OPERATION**

The system will operate in a semi automatic mode ('Auto' extinguishes from the display) and the air distribution and blower controls can be operated manually.

Full automatic mode can be restored by pressing the 'Auto' button again.

**Air distribution**

Press the appropriate button to direct air as required (the corresponding indicator light above the switch illuminates).



Air to face vents.



Air to face vents and foot outlets.



Air to foot outlets.



Air to foot outlets and windscreen (recommended if mild misting of the windscreen occurs when in 'Auto' mode).



All air to windscreen and side window outlets. Recommended if heavy misting of the windscreen occurs.

**Fan speed control**



Turn clockwise to increase and anti-clockwise to decrease airflow from the vents. Bars appear in the display, the number of which increases or decreases with increasing/decreasing fan speed.

**Other features**

**Front** (if fitted) **and rear screen heaters**





As well as being activated by 'Programmed defrost', both front and rear screen heaters can be operated individually by pressing the appropriate button (press again when no longer required). The rear screen heater switches off automatically after 16 minutes, and the windscreen heater automatically ceases after 4 minutes.

**Heated front seats** (if fitted)



Press to heat seats (indicator light illuminates) - press again to switch off.

**Low temperature warning**



If the outside temperature is approximately 3° C or less and there is a possibility of ice, then a snowflake symbol appears in the display.

**External temperature**

The external temperature is continuously displayed in the lower part of the display.

**Self diagnostics**



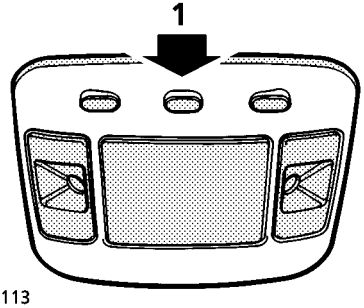
The air conditioning system has the ability to constantly diagnose itself for faults. If a fault is detected, 'the handbook symbol' appears in the display. Contact your dealer for assistance.

## COURTESY AND MAP READING LIGHTS

### Manual operation

Press the appropriate switch to turn the lights on - press a second time to turn off.

***NOTE:*** *The front courtesy light switch (arrowed) will also operate the rear courtesy lights.*




P0113

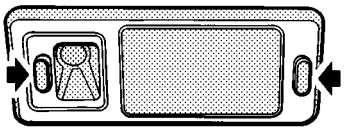
*Front*

### Automatic operation

The front and rear courtesy lights illuminate automatically whenever a door or tailgate is opened, and remain illuminated for approximately 15 seconds after the doors and tailgate are closed or until the starter switch is turned on.

If a door or the tailgate remains open for ten minutes or more, a 'time out' function will extinguish the courtesy lights in order to prevent the battery from discharging.

***NOTE:*** *If the rear courtesy lights or map reading lights are left on after being manually operated, they will NOT extinguish automatically.*



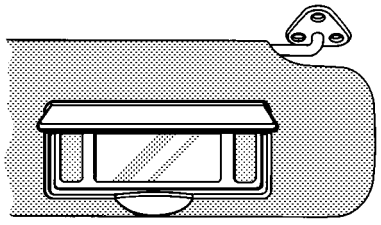
P0114

*Rear*

***To cancel automatic operation:***

Press and hold the front courtesy light switch **(1)** until a tone sounds and the message centre displays 'INT LIGHTS OFF'.

Repeat the procedure to re-activate automatic operation (a tone sounds and the message centre displays 'INT LIGHTS ON').

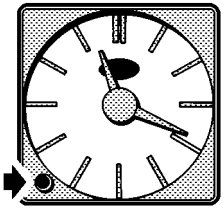


P0115

**SUN VISOR VANITY MIRROR ILLUMINATION**

(if fitted)

With the starter switch turned to position 'II', pivot the sun visor downward and raise the cover on the vanity mirror to illuminate the mirror. Close the cover to extinguish the lights.

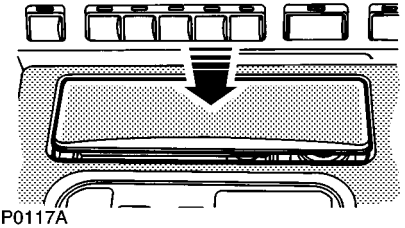


P0116

**CLOCK**

To adjust the time, press and release the button to increment by one minute; press continuously to 'fast forward' the hands.

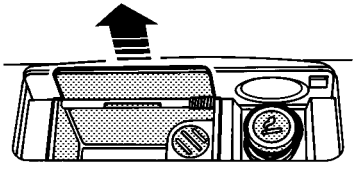
***NOTE:*** *The clock will need to be reset if the battery has been disconnected.*



P0117A

**FRONT ASHTRAY**

Press the leading edge of the ashtray lid to open. The compartment contains the cigar stubber, the ashtray and the cigar lighter.



P0118

To empty the ashtray, lift the inner tray from the surround.

DO NOT use the ashtray for disposing of waste paper or other combustible materials.

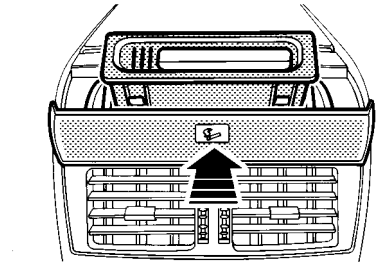
**CIGAR LIGHTER**

The cigar lighter is located in the front ashtray compartment.

With the starter switch turned to position 'I', press the lighter in to heat up. When it has reached the correct temperature it will partially eject and can then be withdrawn for use.

ONLY hold the cigar lighter by the handle.

DO NOT plug accessories into the cigar lighter socket unless they are approved by Land Rover.



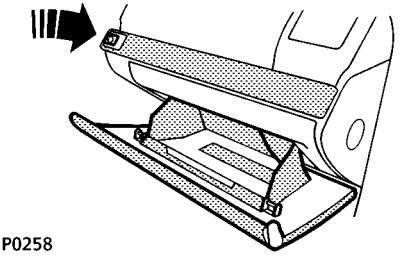
P0119

**REAR ASHTRAY**

Press the cigarette symbol to open.

To empty the ashtray, open the lid and remove the inner tray.

DO NOT use the ashtray for disposing of waste paper or other combustible materials.



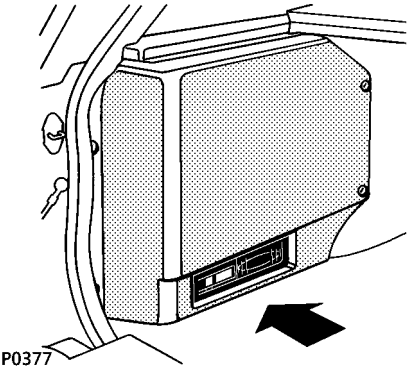
P0258

**GLOVEBOX**

Press the button to release the catches and lower the lid.

The glovebox light illuminates automatically when the lid is opened and the side lights are on, and extinguishes when the lid is closed.

***NOTE:*** *The glovebox lock is operated with the starter key. Turn the key a quarter turn to the left to lock.*



P0377

**CD AUTOCHANGER**

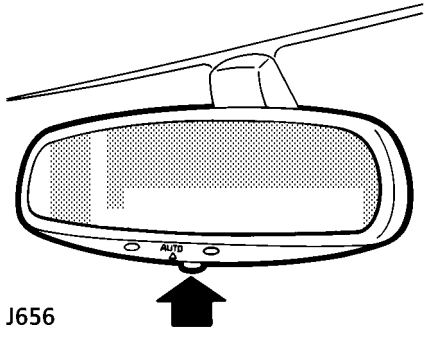
The CD autochanger is located in the rear loadspace where shown. Operation of the CD autochanger is covered fully in the 'In-car entertainment' book.



P0121

**CUBBY BOX**

Press the button (arrowed), then lift to open the lid. On some models the lid may be rotated (see inset) to form a cup holder. Press down on the front of the lid to close and ensure that the latch has fully engaged before using the lid as a cup holder.



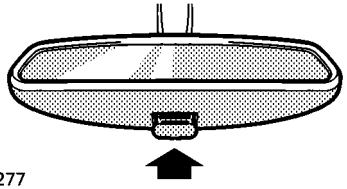

J656

**INTERIOR REAR-VIEW MIRROR**

**Automatic mirror** (if fitted)

The interior mirror is equipped with an automatic dimming function which operates when the 'auto' button on the base of the mirror is pushed and the starter switch is turned on. A green indicator to the right of the button illuminates to confirm that the mirror is powered.

When powered, the mirror will reduce glare from following vehicles at night. Press the 'auto' button again and the mirror assumes its normal reflective state.



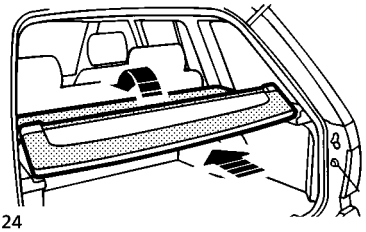
P0277

**Manual mirror** (if fitted)

The manual rear view mirror can be dipped to reduce glare from following vehicles. At night, move the lever at the base of the mirror forward to 'dip' the mirror. Normal visibility is restored by pulling the lever back again.

**WARNING**

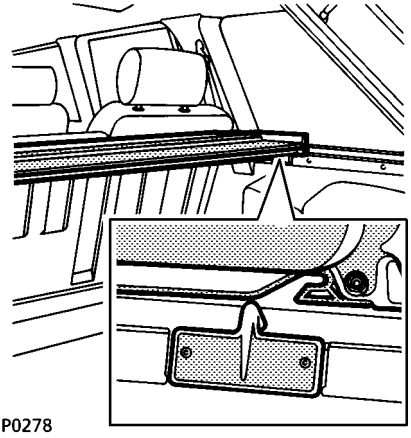
***In some circumstances the view reflected in a 'dipped' manual mirror can confuse the driver as to the precise location of following vehicles. Remember to take additional care!***



P0124

**LOADSPACE COVER**

Fold the rear loadspace cover by pushing upward and forward (arrowed) into the vehicle. Lay the rear section of the cover on the forward section.



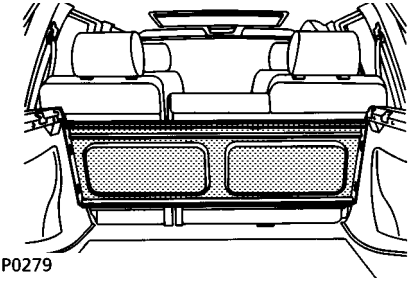
P0278

The loadspace cover can be removed by pulling on the rear to disengage it from the side spigots and stored in the forward area of the loadspace; a channel is formed in both of the loadspace side panels immediately behind the rear seats to accommodate the folded loadspace cover.

**WARNING**

***The loadspace cover is not designed to carry luggage or loose items - these may obscure vision and could become dangerous projectiles in the event of a sudden stop or collision.***

***All equipment, luggage or tools carried in the load area should be secured to minimise the risk of injury to the driver and passengers in the event of an accident or emergency manoeuvre.***



P0279