

Keys & Handsets

KEYS AND HANDSETS



H5750G

You have been supplied with two remote handsets with integral keys which operate all of the vehicle's locks.

The operation of all transmitter buttons on all handsets will be inhibited whilst a key is in the starter switch.

Note: *The key transmitter may not operate correctly in areas that are subject to interference from other radio equipment operating on a similar frequency. Areas where, for example, equipment such as amateur radio, medical devices, telecommunications equipment, or other remotely operated alarms are in use may cause difficulty. If such difficulties are experienced, try to operate the transmitter as close as possible to the vehicle, or use the key in the door lock.*

The keys supplied with your vehicle are programmed to your security system - the engine cannot be started without a key programmed to your vehicle.

Caution: Keep the spare handset key in a safe place - NOT IN THE VEHICLE!

The other two keys that you have received are for locking the main glovebox.

Note: *Should a key transmitter be lost or damaged a replacement can only be obtained from your Land Rover retailer, where it will be programmed to your vehicle. The dealer will require proof of ownership, and keep a log of all enquiries for replacement key transmitters.*

It is advisable to notify your retailer as soon as possible if a key transmitter is lost or stolen, and have the remaining transmitters reprogrammed. This will prevent access to the vehicle using the lost/stolen transmitter.

Keys & Handsets

Compliance

The handset complies with part 15 of the FCC rules. Operation is subject to the following conditions:

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

Any changes or modifications to the handset not expressly approved by the manufacturer or Land Rover North America could void the user's authority to operate the equipment.

Transmitter FCC ID: NT8-15K6014CFFTXA

Receiver FCC ID: LQN5752

Remote handset battery

The battery is rechargeable. The fact that the battery needs recharging will be apparent from the following:

- 'KEY BATTERY LOW' will be displayed in the main message center.
- A gradual deterioration in range and performance will be noticed.

Insert the key into the starter switch and start the engine. This will start to recharge the handset battery.

Caution: The handset contains delicate electronic circuits and must be protected from impact and water damage, high temperatures and humidity, direct sunlight and the effects of solvents, waxes and abrasive cleaners.

Battery disposal



Used batteries should be recycled.

However, batteries are hazardous - you should seek advice about disposal from a Land Rover Retailer or your local authority.

'LAND ROVER' BUTTON

Customer programmable button

The fourth button - marked with the Land Rover logo - on the remote handset can be programmed to give remote operation of one of the following functions:

- panic alarm
- headlamp courtesy delay
- air suspension control

Note: Programming and subsequent use of the 'Land Rover' button will not occur if the key is in the starter switch.

WARNING

Be aware that the previously programmed feature will be activated when the button is initially pressed to start the programming sequence.

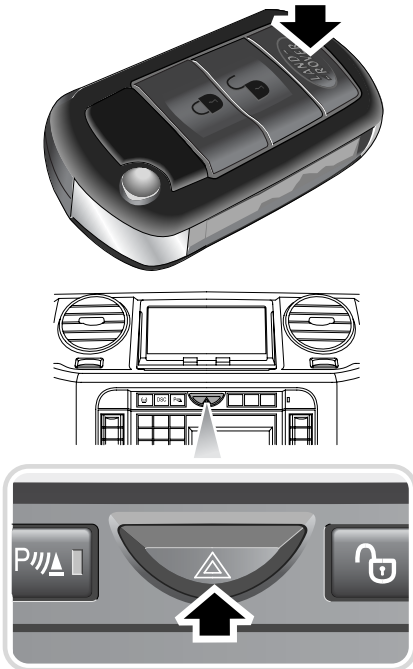
Keys & Handsets

Panic alarm

This facility is programmed by pressing the 'Land Rover' button and, keeping it pressed, pressing the hazard warning lamps button on the instrument panel. A chime from the instrument panel buzzer will confirm successful programming of the remote's button.

A short press of the button will now cause the vehicle's alarm to be sounded and the hazard warning lamps to flash.

The alarm is turned off by inserting the key in the starter, or pressing the lock or unlock buttons on the remote handset.

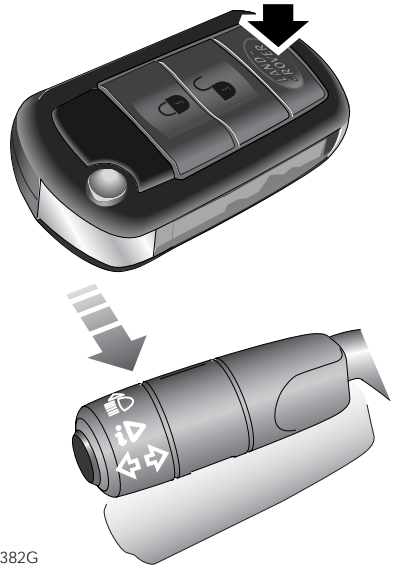


Headlamp courtesy delay

This facility is programmed by pressing the 'Land Rover' button and, keeping it pressed, flashing the headlamps. A chime from the instrument panel buzzer will confirm successful programming of the remote's button.

A short press of the button will now cause the vehicle's headlamps to illuminate for the length of time specified in Settings, see **SELECTING SETTINGS OPTION, 85**.

A second press of the button after three seconds will deactivate the lamps. A further press, within three seconds, will activate the reverse lamps. A further press will deactivate the headlamps and reverse lamps.



Keys & Handsets

Air Suspension Control

This facility is programmed by pressing the 'Land Rover' button and, keeping it pressed, pressing the suspension control switch.

A chime from the instrument panel buzzer will now confirm successful programming of the remote's button.

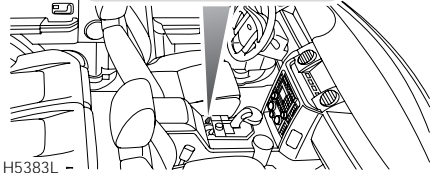
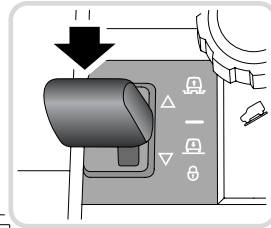
Programming of this function must be done within one minute of switching off the engine.

Pressing and holding the button while pressing the lock button on the remote will now cause the air suspension to rise, provided that the hazard warning lamps have been switched on.

Pressing and holding the button while pressing the unlock button on the remote will cause the air suspension to lower, provided that the hazard warning lamps have been switched on.

If any button is released during the raising or lowering of the suspension, all movement of the suspension will stop. It will restart once the buttons are pressed again.

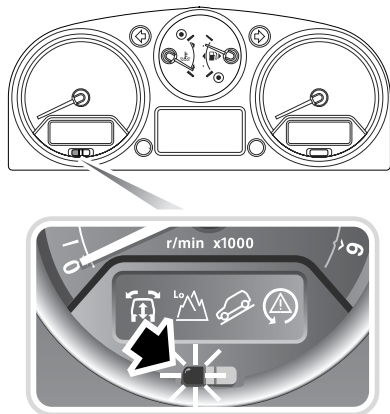
For further information see **AIR SUSPENSION, 193**.



H5383L -

Keys & Handsets

Anti-theft alarm indicator



H5378G

The indicator provides information about the status of the alarm and immobiliser systems, as follows:

When the alarm is armed:

The indicator will double flash for 10 seconds, then continue to single flash until the vehicle is disarmed and immobilised.

When the alarm is disarmed but the vehicle is immobilised (key out of starter switch):

The indicator will single flash until the alarm is armed or the vehicle is mobilised.

When the alarm is disarmed and the vehicle is mobilised (key in starter switch):

The indicator gives a one-second flash on remobilisation.

If the alarm sounds

If the alarm is triggered, the alarm will sound and the hazard warning lamps will flash for 30 seconds, before resetting to the same protection status that existed prior to the alarm being triggered.

To silence the alarm, press the lock or unlock button on the remote handset or insert the key into the starter switch. Pressing the lock button will keep the alarm armed.

When the vehicle is disarmed, the hazard warning lamps will quickly flash eight times if the alarm has sounded since the vehicle was last armed.

Perimetric alarm

This feature is activated automatically whenever the vehicle is locked using either the handset or key and protects the doors, hood and tailgate.

If any of these apertures are opened, or a key that has not been programmed to the vehicle is inserted into the ignition switch while the feature is activated, the alarm will be triggered.

When the perimetric alarm is activated the direction indicators will flash three times, and the security system status indicator will flash.

Tilt Sensor*

Your vehicle may be fitted with a tilt sensor which activates the alarm if the vehicle is tilted fore and aft, or side to side, after it has been superlocked.

The alarm will sound if theft is attempted by hoisting onto another vehicle or if a side is lifted to attempt wheel removal.

If you wish to have the doors locked but the tilt sensor disabled (e.g. when aboard a ferry or having the vehicle transported on a recovery truck) press the Lock button twice within three seconds.

Locks & Alarms

Single-point entry

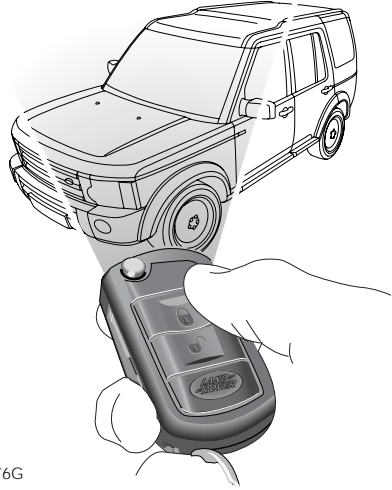
This is a personal security feature, which enables only the driver's door to be unlocked, leaving the other doors in a locked state.

Single-point entry can be disabled on individual handset keys by pressing and holding the lock and unlock buttons together for three seconds.

Repeating the procedure will re-enable the feature.

Each time single-point entry is turned on or off, the vehicle will lock then unlock into the selected mode (all doors unlocked or just driver's door unlocked).

ALARM SYSTEM



H5376G

Your vehicle is fitted with a sophisticated electronic anti-theft alarm and engine immobilisation system. There are also a number of additional security features, some of which are selectable options and some are standard features of the vehicle.

In order to ensure maximum security and operating convenience, you are strongly advised to gain a full understanding of the features and alternatives available, by thoroughly reading this section of the handbook.

LOCKING/UNLOCKING

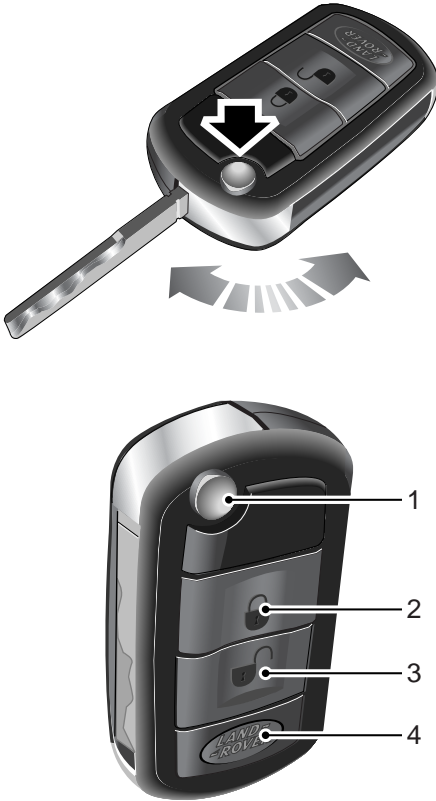
While it is not necessary to point the handset at the vehicle, the handset must be within range of the vehicle when a button is pressed.

Note: *If the handset fails to work even when close to the vehicle, it could be that it is not synchronised with the system, see **Emergency locking/unlocking, 36**. Putting the key in the starter switch and running the engine for six minutes will restore full operation.*

Locks & Alarms

The operating range may vary depending upon handset battery condition and may sometimes be limited by physical and geographical factors beyond your control.

Note: If a key is in the starter switch, the vehicle will not respond to remote handset commands.



H5377G

Locking with the remote handset

Remove the key from the starter switch and shut all doors, the bonnet and the tailgate.

The four buttons on the handset are used as follows:

1. Key release button.
2. Lock button: Press to lock all doors and to activate the perimetric alarm.

Press twice within two seconds to lock all doors and activate the perimetric alarm, but NOT activate tilt sensor*.

The direction indicator lamps will flash three times.

3. Unlock button: Press once to disarm the alarm and unlock the driver's door and to activate the **Easy Entry*** feature, (see **DRIVER'S SEAT MEMORY FACILITY***, 48). Press again to unlock the remaining doors. See, **Single-point entry**, 34.

The interior lamps illuminate and the direction indicators flash once.

The hazard warning lamps will quickly flash eight times when the vehicle is disarmed if the alarm has sounded since the vehicle was last armed.

4. Customer Configuration - 'Land Rover' button: This button can be configured to operate panic alarm, headlamp courtesy delay or suspension control (see '**LAND ROVER' BUTTON**, 30).

Locks & Alarms

Partial arming

If the driver's door is not fully closed when the handset lock button is pressed, the doors will remain unlocked and the alarm will remain disarmed. A brief sound from the vehicle horn will confirm that the door is not fully closed.

If a passenger door or other aperture is not fully closed when the handset lock button is pressed, the 'partial arming' attributes of the security system will enable as much of the system to be armed as possible (all fully closed door, bonnet or tailgate apertures will be protected, but an open one will not).

A brief sound from the vehicle's horns will confirm that an aperture is not fully closed.

As soon as the open aperture is closed, the system will automatically arm, signalled by three flashes of the hazard warning lamps, with interior space protection* activating 30 seconds after all apertures are closed.

Note: The vehicle will not superlock if an aperture (other than the bonnet) is open.

Emergency locking/unlocking



H5379G

Under a removable cap on the left-hand front door outer handle, there is an emergency-use door lock. In the very unlikely event that the remote handset has failed, this lock can be used.

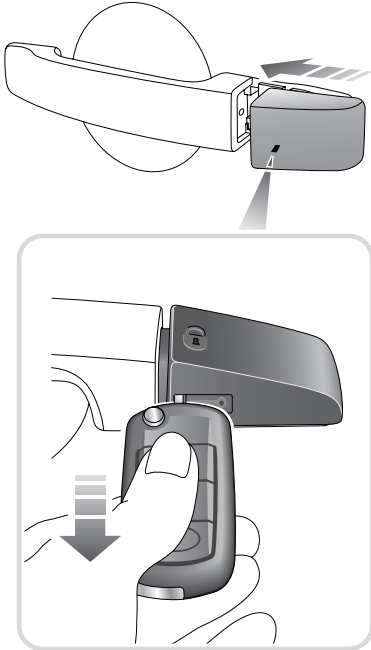
Removing the cap

1. Insert the key fully into the slot under the handle cap.

Locks & Alarms

2. The cap can now be removed at the forward edge and unhooked from the rear edge.
3. Remove the key from the slot and use it in the emergency lock.

Refitting the cap



H5775G

1. Insert the key fully into the slot in the handle cap.
2. Hook the cap onto the lock barrel at the rear edge.
3. Push the front edge of the cap onto the panel.
4. Remove the key from the slot.

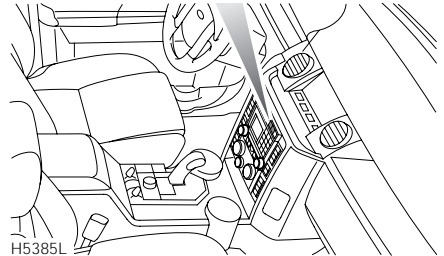
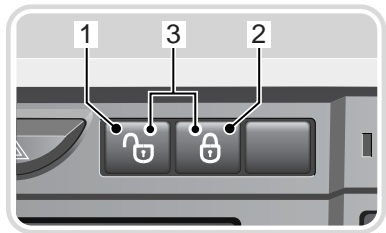
Locking:

Turn the key clockwise to lock only the local door. To lock all of the doors press the master lock switch, then exit the vehicle through the front left door. Lock the left front door by turning the key clockwise (this will not arm the alarm system).

Unlocking:

Turn the key in the front left door lock anticlockwise to unlock only the local door. If the alarm system is not armed, turn the key anticlockwise to unlock the left front door. To unlock the rest of the doors press the master unlock switch.

Master lock and unlock switches



H5385L

1. Pressing the master unlock button will unlock all of the doors.
2. Pressing the master lock button will lock all of the doors.

Locks & Alarms

Speed-related locking

This security feature locks all the doors automatically when the vehicle speed exceeds 8 km/h (5 mph).

Note: The speed at which speed-related locking occurs is not selectable by the driver, and operation of the door locks by any other means (interior locking switch on the instrument panel, for example) will unlock the doors.



Speed-related locking can be selected or deselected by a Land Rover Dealer/Authorised Repairer or by the driver.

See **SELECTING SETTINGS OPTION, 85**.

Automatic re-lock

If the vehicle is unlocked using the remote handset and one minute elapses before a door, the tailgate or the bonnet is opened, or the key is inserted into the starter switch, the vehicle will re-lock and the alarm will re-arm.

Emergency unlocking

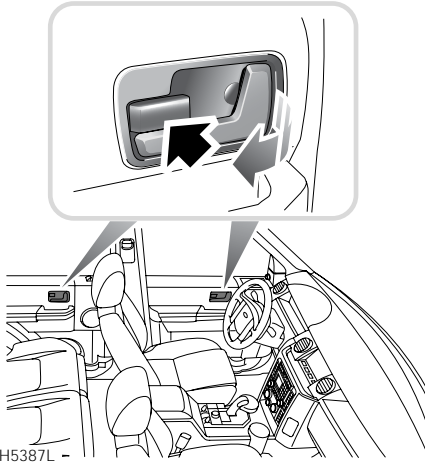
If the vehicle is involved in a collision forceful enough to cause a restraints device to deploy, provided that the doors have not been locked using the door key or remote handset, all door locks will become unlocked and the hazard warning lamps will start to flash. If the vehicle is stationary, the interior lamps will also illuminate.

Tailgate emergency unlock

Simultaneously pressing both the master lock and unlock switches for three seconds will cause the upper tailgate to release. This is an emergency release function in case the tailgate exterior release switch becomes inoperative.

Locks & Alarms

Interior door handles and door locking buttons



From inside the vehicle, each door can be individually locked by depressing the appropriate door button (arrowed). Doors can be unlocked by pulling the door handle (inboard). A second pull opens the door.

When the master lock or unlock button is activated, all door locking buttons will move automatically.

These locking buttons will only operate if the doors have not been secured using the remote handset or door key.

ENGINE IMMOBILISATION

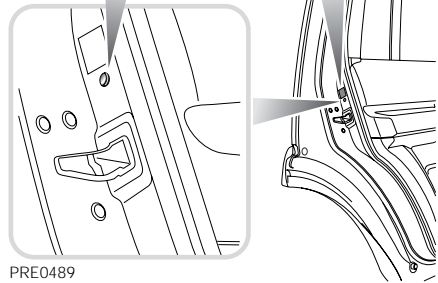
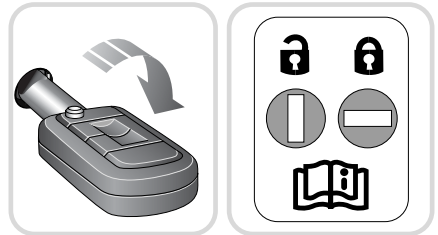
Engine immobilisation is an important aspect of the security system. It is designed to safeguard the vehicle from theft, should the driver forget to lock the doors. The system prevents the engine from being started unless the GENUINE handset key or emergency key is inserted into the starter switch.

Engine immobilisation is automatic five seconds after the key is removed from the starter switch.

Note:

The engine will be re-mobilised automatically whenever the genuine handset key is inserted into the starter switch. When this happens, the anti-theft alarm indicator will illuminate for one second and then extinguish.

CHILD SAFETY LOCKS



Child safety locks are fitted to the rear doors.

Open a rear door and insert the ignition key into the child safety keyhole. Turn the key one quarter of a turn so that the top of the key moves towards the vehicle. Repeat for the other door.

With the child safety locks engaged, the rear doors cannot be opened from inside the vehicle. This prevents a door from being opened accidentally with the vehicle in motion.

Inserting the key and turning it in the opposite direction disengages the lock.

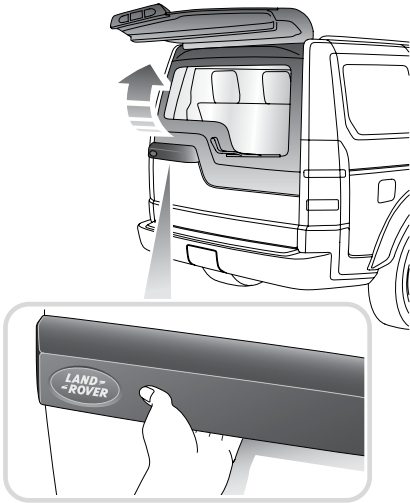
Locks & Alarms

WARNING

TO AVOID INJURY OR DEATH, NEVER LEAVE CHILDREN UNSUPERVISED IN THE VEHICLE.

TAILGATE

Opening the upper tailgate

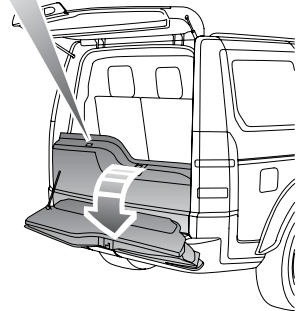
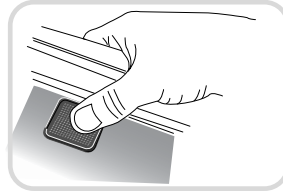


H5390G

With all doors unlocked, press the touch pad on the underside of the exterior handle and pull to open.

If the upper tailgate fails to open, an emergency procedure is available, see **Tailgate emergency unlock, 38**.

Opening the lower tailgate



H5391G

With the upper tailgate open, press the touch pad on the lower tailgate waist moulding.

Note:

If the lower tailgate is locked/unlocked 10 times within a short period, the latch is disabled for approximately one minute. This feature is designed to protect the battery and lock the mechanism.

Seats

FRONT SEATS

WARNING

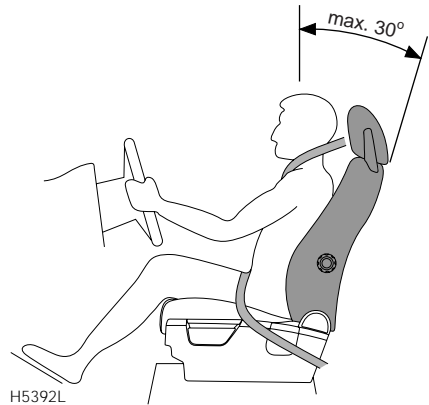
To reduce the risk of loss of control and personal injury, **DO NOT** adjust the driver's seat while the vehicle is in motion.

Sitting correctly

The seats, head restraints, seat belts and airbags all contribute to the protection of the occupants. Optimal use of these components will give you more protection. Therefore, observe the following points:

- Sit in the most upright position with the base of your spine as far back as possible and the backrest not reclined more than 30 degrees.
- Do not move the front seat too close to the instrument panel. The driver should hold the steering wheel with slightly bent arms. The legs should also be slightly bent so that the pedals can be pressed to the floor.
- The seat belt should rest in the center of the shoulder. The lap part should fit tightly across the hips and not on the stomach.

Make sure your driving position is comfortable and enables you to maintain full control of the vehicle. A properly adjusted seat helps reduce the risk of injury from sitting too close to an inflating airbag.



Seats

MANUAL FRONT SEATS

Forward/backward adjustment

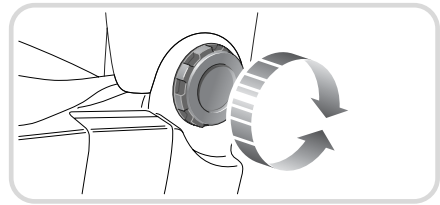


H5398L

The position of the seat is adjusted by lifting the bar at the front of the seat and sliding the seat to the desired position.

On reaching the desired position the seat should be moved slightly forwards and backwards to ensure that the bar has latched into position and the vehicle is safe to drive.

Seat back adjustment



H5396L

The angle of the seat backrest is adjusted by turning the rotary wheel.

See **Sitting correctly**, 41.

WARNING

DO NOT travel with the seat backs reclined steeply rearwards. Sit in the most upright position with the base of your spine as far back as possible and the seat back not reclined more than 30 degrees from the vertical.

Failure to maintain the correct seat back angle will reduce the effectiveness of the seat belts and increase the risk of serious injury or death in a crash.

Seats

Height adjustment



H5394L

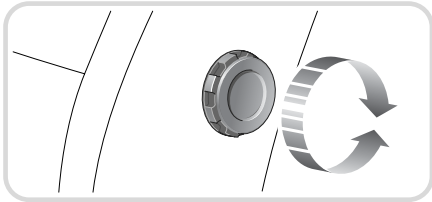
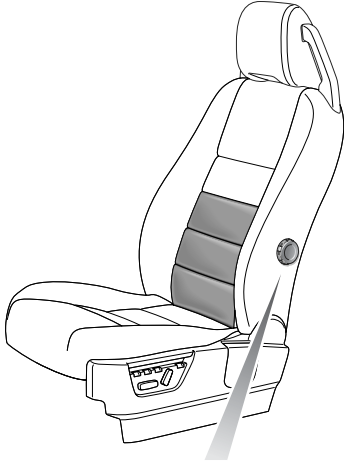
Seat height adjustment, the height is controlled by 'pumping' the handle.

Pumping the lever upwards raises the seat; downwards lowers the seat.

Seats

POWER AND MANUAL FRONT SEATS

Lumbar support adjustment*

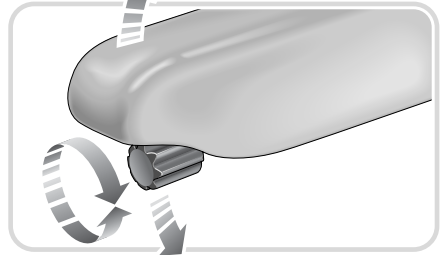
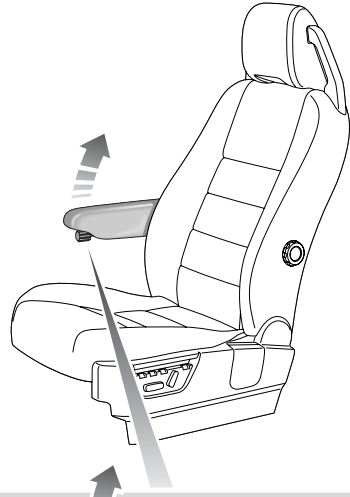


H5400L

A handwheel in the side of the seat provides for adjustment of lumbar support.

To adjust the amount of lumbar support, twist the knob clockwise to 'stiffen' the seat or anticlockwise to reduce the support.

Folding armrest*



H5402L

Some vehicles are fitted with adjustable front seat armrests. These are used in the horizontal position or can be stowed vertically alongside the seat backrest.

The horizontal position can be adjusted for height by turning the knob set into the end of the armrest. Turning the knob clockwise raises the armrest; anticlockwise lowers it.

Seats

POWER OPERATED FRONT SEATS

The seat adjustment controls are situated on the outboard side of the seat cushion.

Note: In order to change the position of any part of the power-operated seats, the starter key must be in positions 'I' or 'II'. Power operated Memory Driver's seat also has a 10-minute active period initiated when:

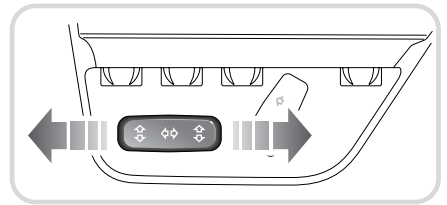
- The driver's door is opened/closed
- The starter key is turned to the Off position

WARNING

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

Vehicle movement may cause the seat to suddenly shift, potentially causing injury.

Forward/backward adjustment

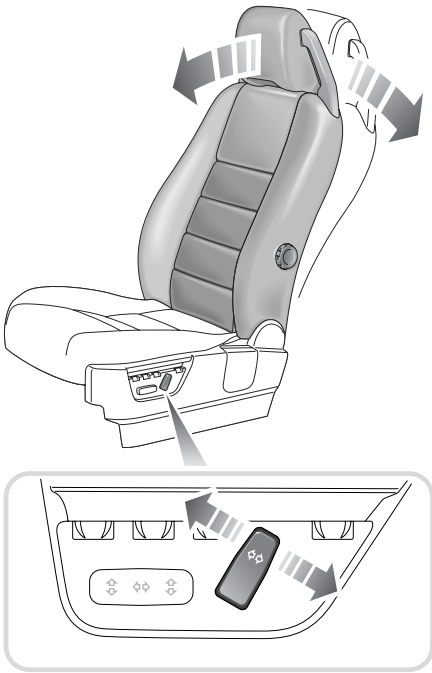


H5406L

Push and hold the switch to move the seat to the desired position.

Seats

Seat back adjustment



H5408L

Twist the switch until the desired seat back angle is achieved.

Seat cushion height adjustment



H5410L

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

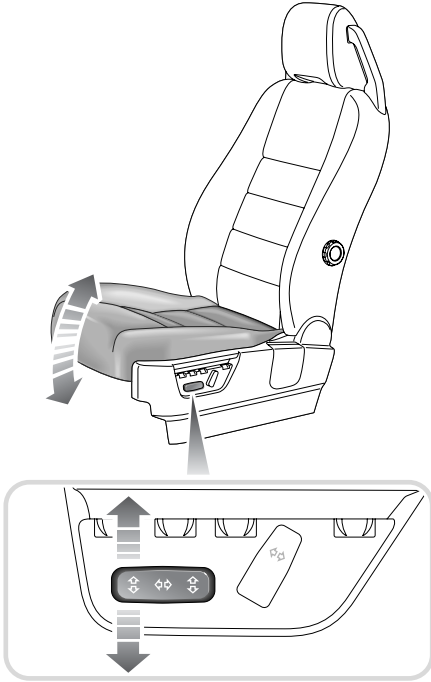
WARNING

DO NOT travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seat back angle set to no more than 30 degrees from the upright (vertical).

Failure to maintain the correct seat back angle will reduce the effectiveness of the seat belts and increase the risk of serious injury or death in a crash.

Seats

Seat cushion edge adjustment*



H5412L

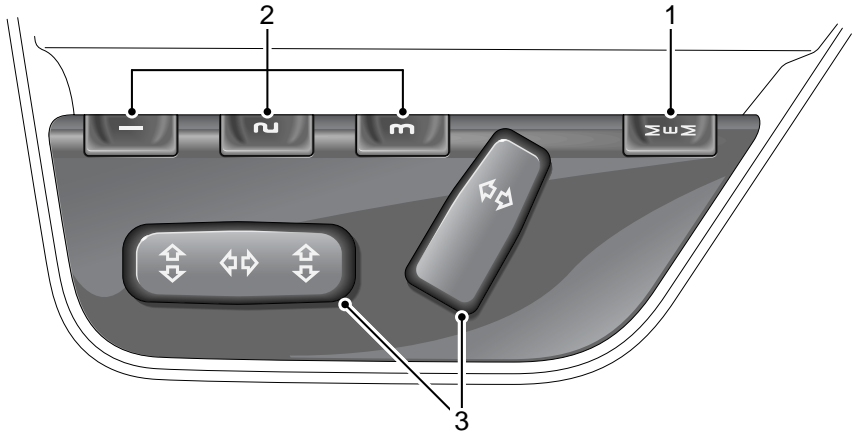
Push the switch up or down to raise or lower the front edge of the cushion.

HEATED SEATS*

For information on operating the front and rear seat heaters, refer to **SEAT HEATERS, 125**.

Seats

DRIVER'S SEAT MEMORY FACILITY*



H5414L

WARNING

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

1. Memory store button
2. Memory pre-set buttons
3. Seat adjustment controls (see **POWER OPERATED FRONT SEATS, 45** for further information).

Your vehicle can memorise up to three different driver seating positions for each of three possible ignition keys. This enables three separate drivers to achieve optimum comfort at the touch of a button.

Setting the memory presets

Adjust the seat and exterior mirrors to the desired position.

Note: For information on adjusting the mirrors, see **EXTERIOR MIRRORS, 79**.

1. Insert the ignition key and turn it to position 'I' or 'II'.
2. Press the memory store button (1) to activate the memory function.
3. Within five seconds, press the desired preset button (2).
4. 'Memory Stored' will be displayed on the message center (if fitted) to confirm the storing action. A single chime will sound from the instrument panel to confirm storing.

Seats

Recalling a stored seat position

Providing the power operated memory seat is active (see **POWER OPERATED FRONT SEATS, 45**), then press the preset button associated with the desired driving position. The seat and mirror will move to the position stored on that preset.

***Note:** To stop seat movement at any time when recalling a memory setting, press any seat adjustment control.*

Easy entry*

When the easy entry option is selected and the vehicle is unlocked using the handset, the vehicle adjusts the driver's seat and the exterior mirrors to the position associated with that particular handset.

Easy entry and associated options can be selected or deselected by a Land Rover Retailer or by selecting Settings, (see **SELECTING SETTINGS OPTION, 85**).

Seats

SECOND-ROW SEATS - 5-SEAT VEHICLE

*Note: Some 5-seat vehicles can be fitted with second-row seats that are normally used in 7-seat vehicles, for their operation, see **SECOND-ROW SEATS - 7-SEAT VEHICLE, 52.***

WARNING

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

Vehicle movement may cause the seat to suddenly shift, potentially causing injury.

Folding down the seats

One or both parts of the unequally split second-row seat can be fully folded to further increase the rear loadspace.

Remove any items from the second-row seats and from the rear footwell before attempting to fold down the seats.

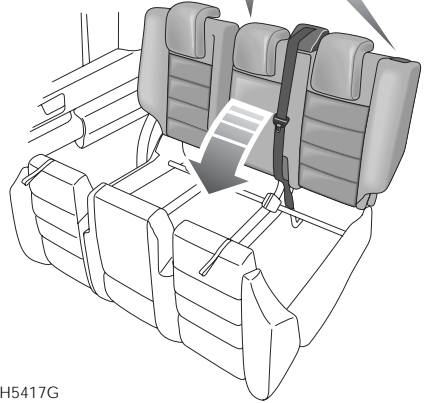
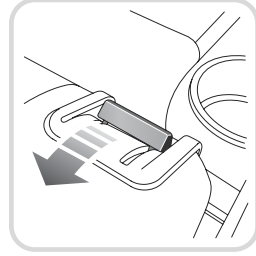
If the front seats are in their rearmost position, move them forward. They can be returned to their original position after the second-row seat backs have been folded down.

Ensure that the head restraints are fully lowered. Press the collar at the base of the headrest support, and push down on the headrest.

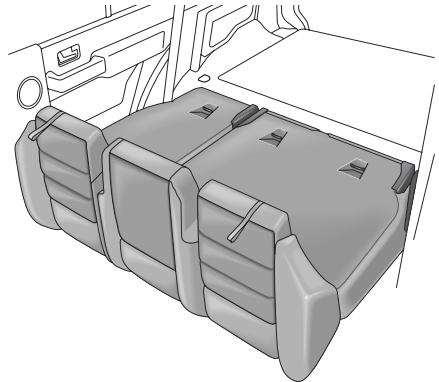
Using the strap at the rear of each cushion, pull the required cushions forwards as far as they will travel .

To fold a backrest forwards, pull the seat backrest release lever(s). While pulling the lever(s) located on the top edges of the backrests, tip the seat backrest(s) forwards as far as possible.

Note: Only Land Rover-approved seat covers and accessories should be used on these seats.



H5417G



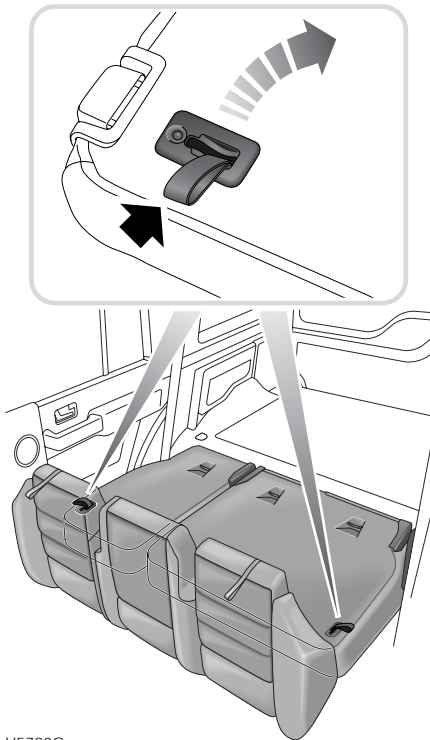
H5418G

Seats

WARNING

It is extremely dangerous to ride in the cargo area. In a collision, anyone riding in this area is more likely to be injured or killed. Do not allow anyone to ride in any area of your vehicle that is not equipped with seats and safety belts. Be sure that everyone in your vehicle is in a seat and using a safety belt properly.

Returning the seats to the upright position



H5790G

Pull the strap vertically on the back of the seat to unlock the seat. Continue to pull to raise the backrest(s) until they click into position. Push the seat cushion(s) firmly back into position.

Visually check that the lever is fully in place. If it has not returned to its locked position, red 'flags' will be visible around the lever sides.

To raise the headrest, pull up until the headrest is in the correct position.

WARNING

After the seat is returned to the upright position, the latching mechanism should be checked and physically tested to ensure that both the seat base and backrest are secure before driving.

Ensure that the headrest is adjusted correctly for each passenger (the top of the headrest should be above the centre line of the head).

Seats

SECOND-ROW SEATS - 7-SEAT VEHICLE

In vehicles with three rows of seats, the seats forming the second row can be used in a variety of configurations:

- as a standard row of three seats,
- each seat-back can be folded forwards to form a table,
- each seat can be folded fully flat to extend the loadspace area.
- each outer seat can be fully tilted forwards to provide access to the third row of seats,

If the front seats are in their rearmost position, move them forward prior to folding down the second-row seats. They can be returned to their original position after the second-row seat backs have been folded down.

Table-fold position

Remove any items from the second-row seats and from the rear footwell before attempting to fold down the seats.

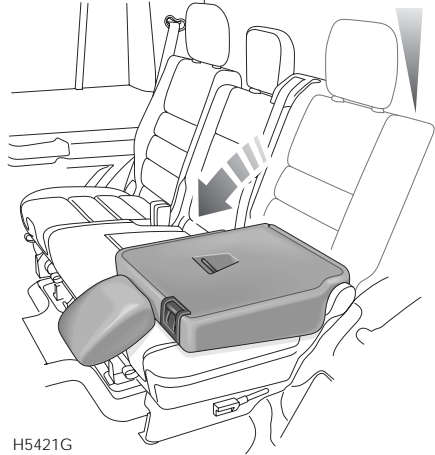
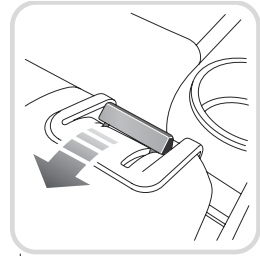
Push the head restraint on the seat(s) to be folded into its lowest position.

Pull the seat-back release lever and pull the seat-back forwards into the table-fold position.

Note: Only Land Rover-approved seat covers and accessories should be used on these seats.

To return the seat-back to its upright position, push the release lever forwards and pull up on the seat-back and push it back into position until the seat-back latching mechanism clicks into place.

Visually check that the lever is fully in place. If it has not returned to its locked position, red 'flags' will be visible around the lever side.



H5421G

WARNING

After the seat is returned to the upright position, the latching mechanism should be checked and physically tested to ensure that both the seat base and backrest are secure before driving.

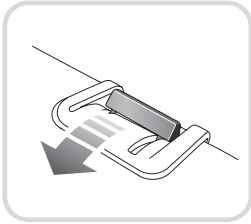
Ensure that the headrest is adjusted correctly for each passenger (the top of the headrest should be above the centre line of the head).

Seats

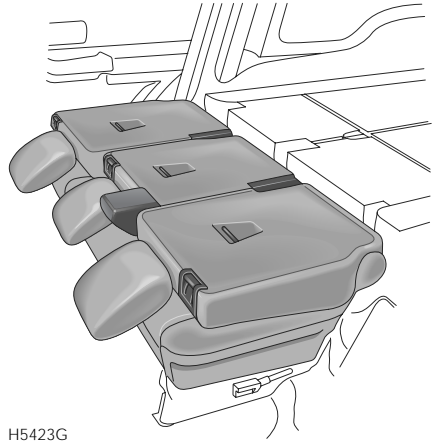
Loadspace position

If the center seat is one of those to be folded flat, it should be the first one to be folded.

First fold the seat(s) into the table-fold position. Then pull the strap at the front of the seat and press down on the seat.



H5422G



H5423G

Note: To stow the loadspace cover, position it between the folded seat rows, see **LOADSPACE COVER, 148**.

To return the folded seat from the loadspace position to the table-fold position, pull up on the strap and return the seat to the table-fold position.

WARNING

Do not attempt to raise the second-row seats from the loadspace position while the loadspace cover unit is stowed behind them as damage to the unit or seats will result.

To return the seat-back to its upright position, push the release lever forward and pull up on the seat-back and push it back into position until the seat-back latching mechanism clicks into place.

Visually check that the lever is fully in place. If it has not returned to its locked position, red 'flags' will be visible around the lever side.

Seats

Note: If a combination of seat-backs, including the center seat-back, is to be returned to the upright position, then the center part should be raised last.

WARNING

After the seat is returned to the upright position, the latching mechanism should be checked and physically tested to ensure that both the seat base and backrest are secure before driving.

Ensure that the headrest is adjusted correctly for each passenger (the top of the headrest should be above the centre line of the head).

WARNING

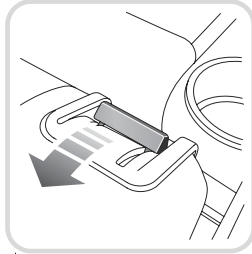
DO NOT adjust any part of a seat while the vehicle is in motion.

Vehicle movement may cause the unlatched seat to suddenly shift, potentially causing injury.

Seats

Access position

To enter the third-row seats, first ensure that the head restraint on the second-row seat is fully lowered and then fold the relevant outer seat into the table-fold position.



H5424G



H5425G

Pull up the access lever on the edge of the seat base to unlock the seat and tilt it forward into the access position.

Once access has been achieved, return the second-row seat to its fully upright position.

Note: If access is required to the third-row seats while the relevant second-row outer seat is in the loadspace position, return the second-row seat to the table-fold position before attempting to move it to the access position.

WARNING

The second-row outer seat(s) must not be left in the access (tilted forward) position while the vehicle is being driven. Motion of the vehicle could cause the seat to drop back into its table-fold position.

Seats

Returning the seats to the table-fold position

Pull the seat down into the table-fold position.

WARNING

When lowering the tilted seats to their locked position, ensure that nothing is trapped by the returning seat.

At this point the access lever will click into place. To ensure that this has done so, check around the lever. If it is not properly in place, a red flag will be visible behind the lever.

WARNING

After the seat is returned to the upright position, the latching mechanism should be checked and physically tested to ensure that both the seat base and backrest are secure before driving.

The head restraint must always be deployed when using the seat.

Ensure that the headrest is adjusted correctly for each passenger (the top of the headrest should be above the centre line of the head).

Exiting the vehicle from the third-row seats

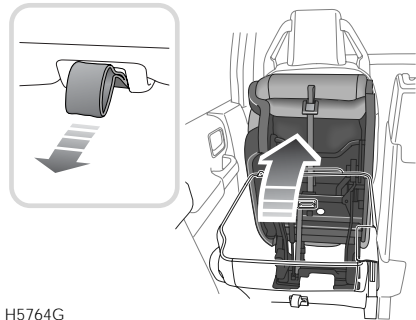
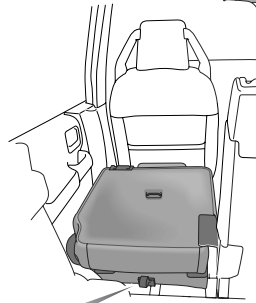
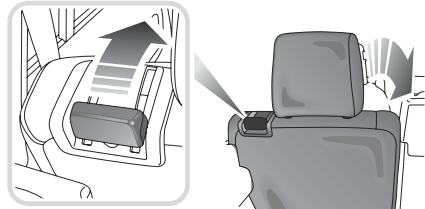
To exit the vehicle from the third-row seats, the relevant second-row seat must be placed in the access position.

Push the seat-back release lever forward and tilt the seat-back forward until the seat is in the table-fold position.

Pull the strap (inset) and tilt the seat forward as far as possible into the access position.

WARNING

When lowering the tilted seats to their locked position, ensure that nothing is trapped by the returning seat.



H5764G

Seats

THIRD-ROW SEATS

Third row seats can be folded flat.

WARNING

Beware of potential finger traps when operating the seats.

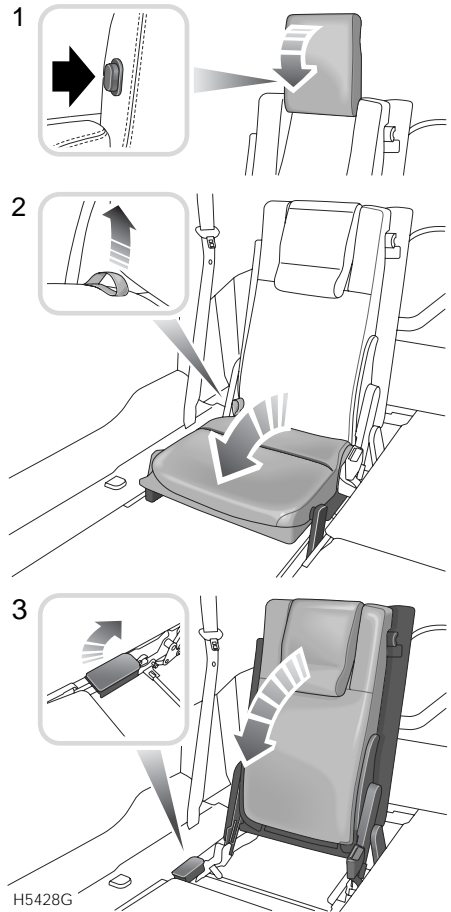
Ensure that nothing has been left under the seat or in the footwell when folding down the seat as this could cause permanent deformation of the seat.

Do not return seats to the upright position with the loadspace cover in its floor-level stowage position.

Use only Land Rover-approved covers on the third row seats.

To fold the seat

1. Press the head restraint release button and fold the head restraint fully downwards.
2. Pull up the release strap at the rear corner of the cushion; this lifts under spring pressure. Fold the cushion fully 180° forwards until it latches into position.
3. Pull up the seat-back release lever and fold the seat-back fully forwards until it latches into position and forms part of the loadspace floor.



H6383G

Seats

To return the seat to its upright position

1. Pull up on the seat-back release lever and lift the seat-back into its upright position, ensuring that it is fully latched into place.
2. Release the cushion catch and pull up on the cushion. Rotate the cushion into place, ensuring that the cushion is latched to the seat-back.
3. Raise the head restraint until it latches into position.

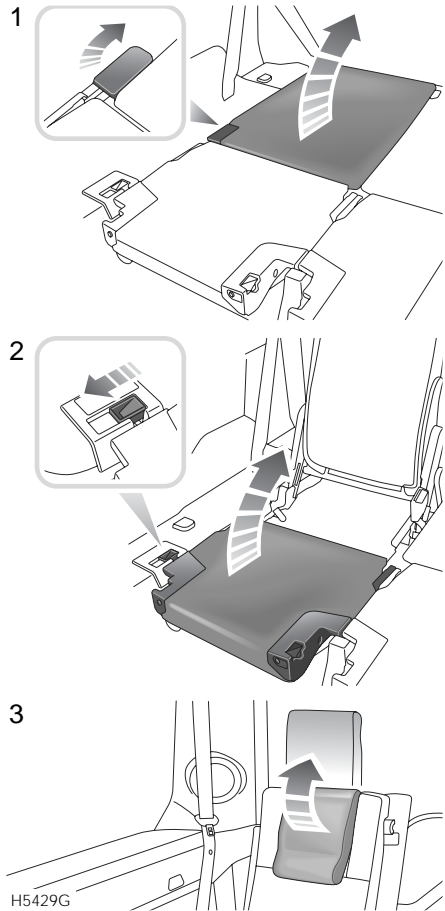
WARNING

The head restraint must always be deployed when using the third-row seat.

Ensure that the headrest is adjusted correctly for each passenger (the top of the headrest should be above the centre line of the head).

Do not sit on the seat until the head restraint is fully deployed.

Note: When not in use the headrests should be folded to improve rear vision.



H5429G

Seat Belts

SEAT BELTS

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

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

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

The front seat belt assemblies are fitted with pretensioners. The pretensioners operate with the airbags as part of the Airbag Supplementary Restraint System (SRS), see **AIRBAG SRS, 70**.

Seat belt warning indicator



Driver Beltminder commences when the starter switch is turned to position 'II' and the driver belt is unbuckled.

The seat belt reminder feature also applies to the passenger seat and will be activated if the seat is occupied and the occupant is unbuckled.-

The visual and audible warning signals given may change depending on whether the vehicle is stationary or when the vehicle speed exceeds a predetermined threshold (see **AUDIBLE WARNINGS, 106**)

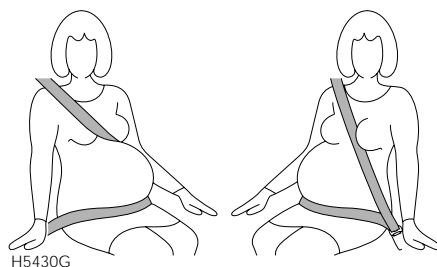
Note: *Objects placed on the passenger seat may activate the seat belt warning system.*

SEAT BELT USE DURING PREGNANCY

WARNING

Pregnant women must wear a correctly positioned seat belt; it is safer for mother and unborn child.

During pregnancy, women should wear the lap belt across the hips below the baby, with the diagonal belt passing across the shoulder, between the breasts and to one side of the baby - if in doubt, consult a doctor.



WARNING

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

Seat Belts

SEAT BELT SAFETY

WARNING

Seat belts are life saving equipment. In a collision, occupants not wearing a seat belt can be thrown around inside, or possibly thrown out of the vehicle. This is likely to result in more serious injuries than would have been the case had a seat belt been properly worn. It may even result in loss of life.

Make sure ALL occupants are securely strapped in at all times - even for the shortest journeys.

The airbag supplemental restraint system (SRS) is designed to add to the overall effectiveness of the seat belts. It does not replace them. **SEAT BELTS MUST ALWAYS BE WORN.**

Seat belts are designed to bear upon the bony structure of the body and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable. Wearing the lap section of the belt across the abdominal area must be avoided.

DO NOT wear seat belts over hard, sharp or fragile items in clothing, such as pens, keys, spectacles, etc.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they are designed. A slack belt will greatly reduce the protection afforded to the wearer.

DO NOT allow front seat occupants to travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seatback angle set to no more than 30° from the upright.

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 a collision.

Belts should not be worn with the straps twisted.

Each belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap.

Where possible, use the seat belts to secure large items of luggage that are to be carried on the seats. In the event of an accident, unsecured items become flying missiles, capable of causing serious injury.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

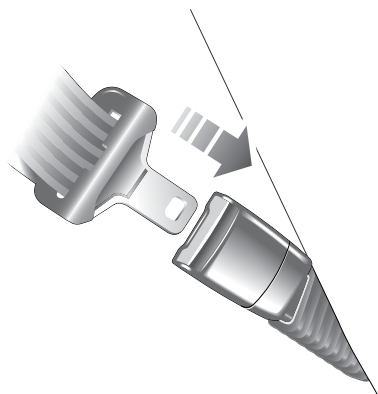
Should the seat belt not retract and remain at its static length, consult your Land Rover Retailer immediately.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Seat Belts

FRONT SEAT BELTS

Fastening the seat belts



H5431G

Pull the belt over the shoulder and across the chest and, ensuring that the webbing is not twisted, insert the metal tongue plate into the buckle nearest the wearer - a 'CLICK' indicates that the belt is securely locked.

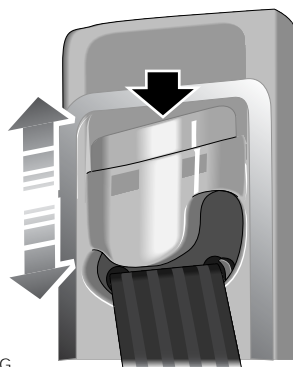
Releasing the belt

Press the RED button on the seat belt buckle.

WARNING

Never wear just the lap strap of a lap/shoulder diagonal seat belt and never sit on the lap strap using just the shoulder strap. Both of these actions are extremely dangerous and may increase your risk of serious injury.

Upper anchorage adjustment



H5432G

The height of the seat belt upper anchorage can be adjusted for comfort AND safety on both front seats. Press down (solid arrow) to release the catch, then lift or push down to adjust the height of the anchorage. For safety, the seat belt should always be worn with the webbing crossing the shoulder **MIDWAY BETWEEN THE NECK AND THE EDGE OF THE SHOULDER**.

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

Where possible, rear seat passengers should adjust their position on the seat to enable the seat belt webbing to cross the shoulder without pressing on the neck.

WARNING

Maladjustment of the seat belt could reduce its effectiveness in a crash. Always ensure that the anchorage is correctly located and properly locked in one of the height positions before driving and DO NOT adjust the height once the vehicle is in motion.

Seat Belts

SECOND AND THIRD ROW SEAT BELTS

The second and third row seat belts have a special locking mechanism which aids the retention of child seats. The procedure to install a child seat is as follows:

1. Place the child seat in the vehicle, attach the seat belt and secure the buckle in accordance with the manufacturer's fitting instructions.
2. Pull on the shoulder section of the belt to unreel all of the remaining webbing to the limit of its travel. This will engage the automatic locking feature, which then acts as a ratchet, allowing the webbing ONLY to retract.
3. Allow the seat belt to retract onto the child seat (a 'clicking' sound will confirm that the ratchet has engaged), while firmly pushing the child seat into the vehicle seat.
4. Ensure that there is no slack in the seat belt by pulling upwards on the shoulder belt immediately above the child restraint. This seat belt should now be locked and the child seat held firmly in position.

When the child seat is removed and all of the seat belt webbing is allowed to retract, the seat belt locking mechanism reverts to normal operation.

WARNING

Where possible, use the seat belt automatic locking mechanism to secure large items of luggage that are to be carried on the seats. In the event of an accident, insecure items become missiles capable of causing serious injury.

REAR SEATS - 7-SEAT VEHICLES

In order to prevent damage to the seat belt buckles on the rear seats of 7-seat vehicles when the seats are folded flat, the buckles are spring-loaded to stow within the seat cushion.

In order to fasten the belt, pull the buckle up from the seat before inserting the tongue plate.

A 'CLICK' indicates that the belt is securely locked.

Seat Belts

SEAT BELT PRETENSIONERS

The seat belt pretensioners activate in conjunction with the airbag SRS and provide additional protection in the event of a severe frontal impact on the vehicle (see **HOW THE AIRBAG SRS WORKS, 74**). The pretensioners automatically retract the seat belts fitted to the front seats. This reduces any slack in both the lap and diagonal portions of the belts, thereby reducing forward movement of the belt wearer in the event of a severe frontal collision.

The airbag SRS warning indicator on the instrument pack will alert you to any malfunction of the seat belt pretensioners.

If the pretensioners have been activated, the seat belts will still function as restraints, and must be worn in the event that the vehicle remains in a driveable condition.

Note: The seat belt pretensioners will be activated in major side and frontal impacts and in rollovers.

WARNING

The seat belt pretensioners will only be activated once and then **MUST BE REPLACED** by a Land Rover Retailer. Failure to replace the pretensioners will reduce the efficiency of the vehicle's front restraint systems.

After any impact, always have the seat belts and pretensioners checked and, if necessary, replaced by a Land Rover Retailer.

In the interests of safety, it is recommended that removal or replacement of the front seats and seat belts should only be carried out by a Land Rover Retailer.

Seat Belts

CARING FOR SEAT BELTS

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

DO NOT bleach or dye the webbing and avoid contaminating the webbing with polish, oil or chemicals (see **Seat belts, 270**).

Testing inertia reel belts

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

If a seat belt should fail any of these tests, contact your Land Rover Retailer immediately.

WARNING

Always replace a seat belt that shows signs of webbing damage or has withstood the strain of a severe vehicle impact.

***Note:** If the vehicle is parked on ground that is not level, the seat belt mechanism may lock. This is not a fault; gently ease the belt from its attachment to unlock it.*

Service information

WARNING

DO NOT attempt to service, repair, replace, modify or tamper with any part of the pretensioner and airbag SRS, or wiring in the vicinity of a pretensioner or airbag SRS component; this could cause the system to activate, resulting in personal injury.

In addition, ALWAYS contact your Land Rover Retailer if:

- an airbag inflates.
- a pretensioner activates.
- the front or side of the vehicle is damaged, even if the pretensioner has not activated.

Child Restraints

CHILD SEATS

The seat belts fitted to your vehicle are designed for adults and larger children. For their safety, it is very important that all infants and children under 12 years are restrained in a suitable child safety seat appropriate to their age and size.

Only fit a child seat that has been approved for use in your vehicle, and ensure that the manufacturer's fitting instructions are followed exactly.

For optimum safety, children should travel in the rear of the vehicle at all times, front passenger seat travel is NOT recommended.

Note: Crash statistics show that children are safer when properly restrained in the rear (2nd row) seating positions, than they are in the front.

However, if it is essential that a child travel in the front, set the seat fully rearward and seat the child in a FORWARD FACING child seat.



The above symbol affixed to the passenger side 'B' post of your vehicle, warns against the use of a REAR-FACING child seat in the front passenger seat, when a passenger airbag is fitted and operational.

WARNING

Do not use a forward-facing seat until a child is above the minimum weight of 9 kg (20 lb.) and able to sit up unaided. Up to the age of two, a child's spine and neck are not sufficiently developed to avoid injury in a frontal impact.

The second and third row seat belts have a special locking mechanism which aids the retention of child seats, see **SECOND AND THIRD ROW SEAT BELTS, 62**.

WARNING

EXTREME HAZARD. Do not use a rearward facing child restraint on a seat protected by an airbag in front of it. There is a risk of serious injury or death when the airbag deploys.

Child Restraints

Child restraints for small children and babies

Child seats and restraint systems designed for your vehicle will be one of two types:

- Those secured in vehicle seats by the seat belts.
- 'LATCH' type child restraints employing anchor bars built into the rear seat frame.

All new and most older type child restraint systems incorporate a tether strap which can be attached to an anchorage point on the vehicle. See **Tether anchorages, 68**.

Child restraints for larger children

In a situation where a child is too large to fit into a child safety seat, but is still too small to safely fit the 3 point seat belt properly, a booster seat is recommended for maximum safety. Follow the manufacturer's fitting instructions exactly, then adjust the seat belt to suit.

WARNING

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.

Children typically require the use of a booster seat appropriate to their age and size, thereby enabling the seat belts to be properly fitted, reducing the risk of injury in a crash.

Children could be endangered in a crash if their child restraints are not properly secured in the vehicle.

DO NOT use a child seat that hooks over the seat back. This type of seat cannot be satisfactorily secured, and is unlikely to be safe for your child.

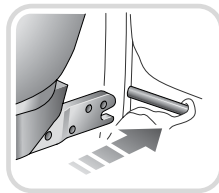
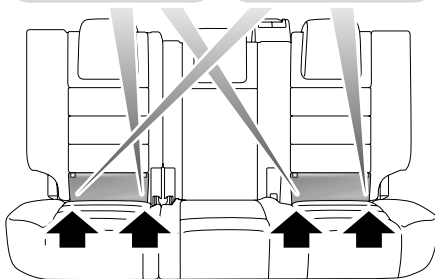
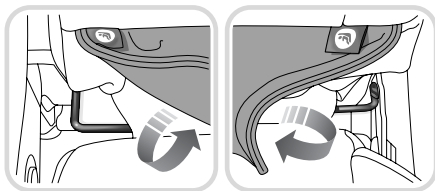
Never leave a child unattended in your vehicle.

LATCH CHILD RESTRAINTS (Second-row seats)

Both outer, second row, seating positions in your vehicle are equipped to accept LATCH restraints.



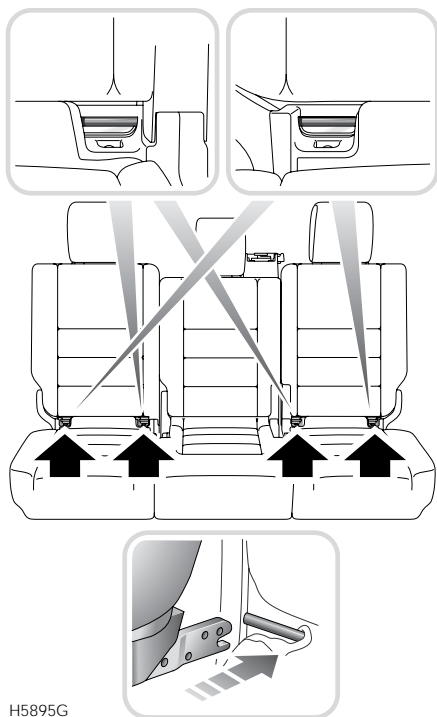
This symbol on the label sewn into the seats indicates the location of the LATCH lower anchorages.



H5433G

5-seat vehicles

Child Restraints



H5895G

7-seat vehicles

WARNING

DO NOT attempt to fit LATCH restraints to the center seating position - the anchor bars are not designed to hold a LATCH restraint in this position.

Fitting LATCH child restraints

LATCH child restraints should only be fitted in the two outer seating positions of the second-row seats. Anchor bars built into the rear seat frame, enable the LATCH restraints to be securely attached to the vehicle seat only in these positions.

In addition, two tether anchor bars are fitted to back of the rear seats, to secure child restraint anchor straps.

When fitting LATCH child restraints, always follow the instructions supplied by the manufacturer of the restraint.

Once the LATCH restraint is installed, you are recommended to test the security of the installation before seating the child. Attempt to twist the restraint from side to side and to pull the restraint away from the vehicle seat; then check that the anchors are still securely in place.

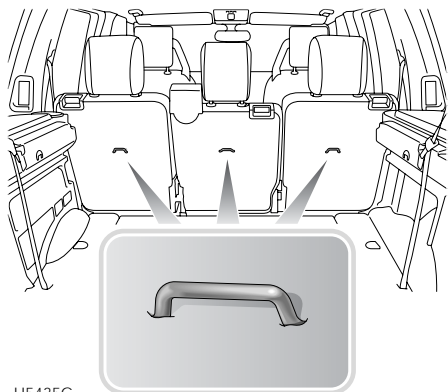
WARNING

If the restraint is not correctly anchored, there is a significant risk of injury to the child in the event of a collision or emergency braking.

Child Restraints

Tether anchorages

One upper tether anchorage is provided at each seating position equipped to accept LATCH child restraints.



H5435G

Note: Always ensure that, if an upper tether is provided, it is secured and tightened properly as this provides the maximum protection for a child.

WARNING

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

Attaching tether straps

1. Install the child restraint securely in one of the second row seating positions.
2. Pass the tether strap over the back of the vehicle seat and beneath the underside of the head restraint.
3. Attach the clip on the head of the tether strap to the tether anchor on the back of the vehicle seat.
4. Tighten the tether strap according to the manufacturer's instructions to remove any slack in the webbing.

WARNING

Always follow the child seat or restraint system manufacturer's instructions when fitting tether straps.

When fitting a child seat or restraint system, always pass the tether strap over the top of the seat back and beneath the underside of the head restraint.

If a child seat or restraint system is to be fitted to the center seating position, the center armrest must be in the stowed position (folded into the seat).

Child Restraints

CHILD RESTRAINT CHECK LISTS

Non-LATCH child restraints

Follow the check list every time a child travels in the vehicle:

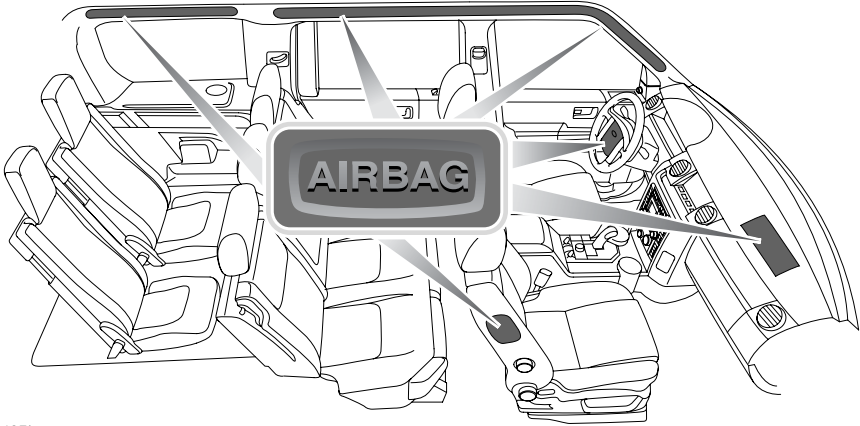
- Carefully follow the instructions provided by the manufacturer of the restraint system.
- Always use the appropriate child restraints and adjust harnesses for every child, every trip.
- Avoid dressing a child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of a child seat and replace seats or harnesses that show signs of wear.
- Ensure that you have removed all slack from the adult seat belt.
- No child seat is completely child-proof. Encourage a child not to play with the buckle or harness.
- Never leave a child unsupervised in the vehicle.
- Activate the rear door child safety locks, see **CHILD SAFETY LOCKS, 39**.
- Ensure that a child does not exit the vehicle from the side where there is traffic.
- Set children a good example - always wear your seat belt.

LATCH child restraints

Follow the check list every time a child travels in the vehicle:

- **Always attach the top tether when installing the LATCH seat.**
- Carefully follow the instructions supplied with the child seat.
- Always give the LATCH seat a final pull to ensure that the lower anchors are secure.
- Always use the appropriate child restraints and adjust the harnesses for every child, every trip.
- Make sure that a child falls into the correct weight range for the seat.
- Avoid dressing a child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of a child seat and replace seats and harnesses that show signs of wear.
- No child seat is completely child-proof. Encourage children not to play with the buckle or harness.
- Never leave a child unsupervised in the vehicle.
- Activate the rear door child safety locks, see **CHILD SAFETY LOCKS, 39**.
- Ensure that a child does not exit the vehicle from the side where there is traffic.
- Set children a good example - always wear your seat belt.

Airbag SRS



H5437L

AIRBAG SRS

The airbag supplementary restraint system (SRS) incorporates front, side thorax and side head airbags for the driver and front passenger and side head airbags for the second row outboard and third row seat passengers (see illustration for airbag locations). These are indicated by the word 'AIRBAG' on the trim.

WARNING

Always remember; the SRS/airbags are a supplemental restraint system providing ADDITIONAL protection in certain types of collision only - they DO NOT replace the need to wear a seat belt. To reduce the risk of severe injury or death in the event of a crash, all occupants in all seating positions, including the driver, should always wear their seat belt, whether or not an airbag is present at that seating position.

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

Side head impact protection will afford additional protection to the side of the head facing the impact for the front seat and outer rear seat occupants, in the event of a side collision or a rollover.

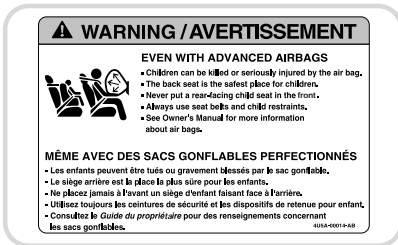
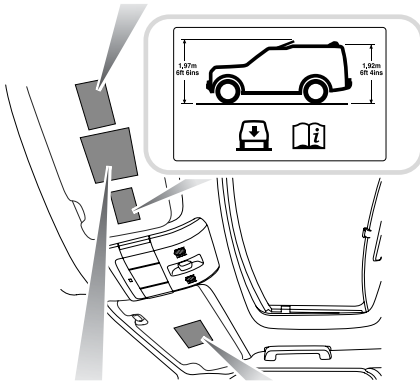
***Note:** Inflation and deflation of the side thorax and front airbags takes place very quickly and will not protect against the effects of secondary impacts that may occur. Side head airbags deflate at a slower rate and therefore offer additional protection in the event of a secondary impact or rollover.*

Occupants with disabilities that may require the vehicle to be modified must contact a Land Rover Retailer before any modifications are made.

Unauthorised modification of the vehicle or parts may invalidate the vehicle's warranty.

Airbag SRS

Airbag warning labels



H5789N

Airbag warning information is printed on the driver's and front passenger's sun visor.

Airbag SRS warning indicator



A warning indicator mounted in the instrument pack will alert you to any malfunction of the airbag SRS, see **Warning Indicators, 100**. The airbag SRS should always be checked by a Land Rover Retailer if any of the following symptoms occurs:

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

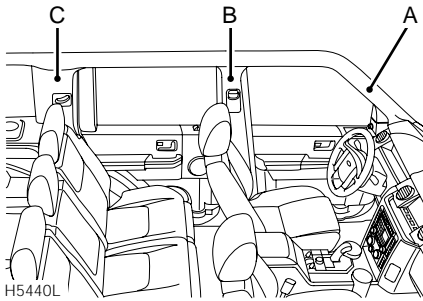
Airbag SRS

Obstruction of air bags

WARNING

Do not allow passengers to obstruct the operation of the airbags by placing feet, knees or any other part of the person, or any other objects in contact with, or in close proximity to, an airbag module.

DO NOT attach or position items on, or close to the roof lining, 'A', 'B' and 'C' post finishers, front seat backs or to an airbag cover, which could interfere with the inflation of the airbag or, if the airbag inflates, be propelled inside the vehicle causing injury to the occupants.



To ensure correct deployment of the airbags, it is essential that obstructions are not allowed to intervene between an airbag and the occupant. The following are examples of the type of obstructions that could either, impede correct operation of the airbags, or jeopardise personal safety in the event of an airbag deployment:

- Accessories attached to or obscuring an airbag cover, including; the roof lining, 'A', 'B' and 'C' post finishers and the seat backs of the front seats.
- Items of hand luggage, or other objects placed on an airbag cover.

- Feet, knees or any other part of the anatomy in contact with, or in close proximity to, an airbag cover.
- Head, arms or any part of the anatomy in contact with, or in close proximity to, a side thorax airbag.
- Items of clothing hanging from the grab handle attached to the roof.
- Items of clothing or cushions draped over the part of the front seat containing the airbag.
- Non-approved seat covers/accessory seat covers over a front seat; in particular, seat covers that have not been designed for use with side airbag. If in doubt, consult your Land Rover Retailer.

WARNING

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

Even with SRS/airbag equipment fitted, seat belts must ALWAYS be worn because:

- An airbag will only provide additional protection in certain types of frontal collisions. NO protection is afforded against the effects of rear impacts, 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.

Airbag SRS

WARNING

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

An inflating airbag can cause facial abrasions and other injuries. The injurious effects of airbag inflation can be reduced, by ensuring driver and passenger are seated correctly, with the seat moved back as far as is practical, and the seat belts worn correctly.

National Highway Traffic Safety Administration (NHTSA) recommends a minimum distance of 10 inches (25 cm) between an occupant's chest and the driver's air bag module.

NEVER attach accessory items to an airbag module cover.

When an airbag inflates, a fine powder is released. This is not an indication of a malfunction. However, the powder may cause irritation to the skin and should be thoroughly flushed from the eyes and any cuts or abrasions of the skin.

Both front seating positions are equipped with knee bolsters to provide knee protection in the event of an impact. **DO NOT** modify the bolsters, or mount after market equipment on or behind them.

Seating positions

WARNING

To minimise the risk of accidental injury from inflating airbags, seat belts should be correctly worn at all times. In addition, both driver and front seat passenger should adjust their seat to provide the maximum practical distance from the front airbags. Front seat and outer rear seat occupants should also ensure that a gap is maintained between the upper torso and head, and the side of the vehicle, to enable unobstructed inflation of the side thorax for the front seat occupants and side head airbags for both front and rear passengers.

In order to provide optimum protection in the event of a severe impact, it is necessary for the airbags to deploy with considerable speed.

An inflating airbag can cause facial abrasions and other injuries if the occupant is too close to the airbag at the time of its deployment.

Airbag SRS

HOW THE AIRBAG SRS WORKS

In the event of a collision, the airbag control unit monitors the rate of deceleration induced by the collision, to determine whether the airbags should be deployed.

Operation of the airbag SRS is dependent on the rate at which the vehicle's passenger compartment changes speed as a result of a collision. The circumstances affecting different collisions (vehicle speed, angle of impact, type and size of object hit, for example), vary considerably and will affect the rate of deceleration accordingly.

Note: The airbag SRS is not designed to operate as a result of rear collisions, minor frontal or side impacts; nor will it operate as a result of heavy braking or driving over bumps and potholes.

It follows, therefore, that significant superficial damage can occur without the airbags deploying or, conversely, that a relatively small amount of structural damage may cause the airbags to be deployed.

Dual stage deployment

The front airbags deploy in two stages, depending on the severity of the frontal collision. The unit monitors the rate of deceleration during the impact.

In a moderately severe frontal impact, the airbags inflate sufficiently to protect the front seat passengers and reduce the risk of injury.

In a severe frontal impact, the airbags will fully inflate thereby providing maximum protection.

Airbag inflation is virtually instantaneous and occurs with considerable force, accompanied by a loud noise. The inflated bag, together with the seat belt restraint system, limit the movement of an occupant, thereby reducing the risk of injury to the head and upper torso.

When an airbag inflates, a fine powder is released. This is not an indication of a malfunction. However, the powder may cause irritation to the skin and should be thoroughly flushed from the eyes and any cuts or abrasions of the skin. After inflation, front and side thorax airbags deflate immediately (side head protection airbags deflate slowly). This provides a gradual cushioning effect for the occupant and also ensures that the driver's forward vision is not obscured.

WARNING

After inflation, some airbag components are hot - DO NOT touch until they have cooled.

Caution: If a non-approved phone system is to be fitted, ensure that the installer is aware of the SRS system.

Airbag SRS

Occupant detection

The front passenger seat is equipped with an occupancy sensor which measures the weight on the cushion and changes the passenger airbag status.

The occupancy sensor operates as follows:

Seat occupancy status	Passenger airbag status	Indicator active
Completely empty	Deactivated	No [†]
Low weight occupant/object	Deactivated	Yes
Heavy occupant/object	Activated	No

[†] It is possible to receive an intermittent indicator with an empty seat condition. This is part of the system's adaptive behaviour, and does not affect the status of the passenger airbag. However, if the indicator becomes permanently illuminated when the seat is definitely empty, then contact your Land Rover Retailer immediately.

The airbag indicator is located on the passenger's side of the instrument panel.

WARNING

Do not use a child restraint on a seat protected by an operational air bag in front of it.

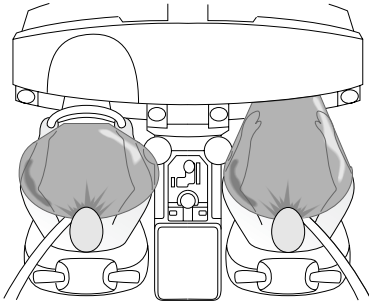
There is a risk of death or serious injury when the airbag deploys.

The safest place for children is properly restrained in the rear seats.

Airbag SRS

AIRBAG DEPLOYMENT

Frontal and side thorax airbags



H5442L

Note: Airbags will only deploy when they are required to supplement the restraining force of the front seat belts.

In the case of a severe frontal collision, both front airbags will be deployed. In the case of a severe side collision, only the side thorax airbags and side head impact protection airbag on the impacted side of the vehicle will inflate. However, there may also be impact conditions whereby one set of side and both front airbags deploy at the same time, or where front and side airbags respond separately as a result of a secondary impact occurring after the initial collision has taken place.

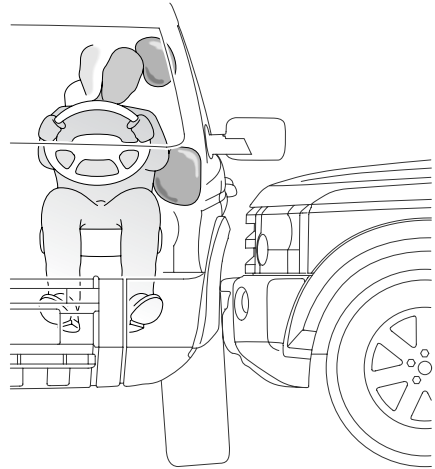
WARNING

An inflating airbag can cause facial abrasions and other injuries. Minimise the risk of injury by ensuring that front seat occupants are wearing their seat belts and are seated correctly, with the seat as far back as is practical.

Ensure that a gap is maintained between the upper torso and the side of the vehicle, to enable unobstructed inflation of the side thorax airbags.

DO NOT lean out of the window.

Side head impact protection



H5444L

Note: For the side head impact airbags to deploy correctly, the roof lining and 'A' post trim must be undamaged and fitted correctly. Any damage or suspect fitting should be referred to a Land Rover Retailer for examination.

Side head impact airbags are designed to protect the head in the event of a severe side impact or rollover event. They will NOT inflate as a result of frontal or rear impacts alone.

The side head impact protection modules are located behind the roof lining and pillar finisher, above the doors. In the event of a severe side collision, the airbag pushes out from behind the roof lining and pillar finisher as it inflates. The side head impact airbag remains inflated for longer than the other airbags, to provide additional head protection in the event of a secondary impact/vehicle rollover.

Airbag SRS

SERVICE INFORMATION

WARNING

DO NOT attempt to service, repair, replace, modify or tamper with any part of the airbag SRS, or wiring in the vicinity of an airbag SRS component; this could cause the system to activate, resulting in personal injury.

In addition, ALWAYS contact your Land Rover Retailer if:

- an airbag inflates.
- the front or side of the vehicle is damaged, even if the airbag has not inflated.
- any part of an airbag module cover shows signs of cracking or damage.
- any trim containing airbags - front seat back, headlining or pillar trims - becomes damaged.

WARNING

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.

For your safety it is recommended that you seek the assistance of a Land Rover Retailer to carry out any of the following:

- Removal or repair of any wiring or component in the vicinity of any of the SRS components, including the steering wheel, steering column, door trim, roof lining, instrument pack and instrument panel.
 - Installation of electronic equipment such as a mobile phone, two-way radio or in-car entertainment system.
 - Modification to the front or side of the vehicle, including the bumper and chassis.
 - Attachment of accessories to the front or side of the vehicle.
-

Disposing of vehicles

If you sell your vehicle, be sure to inform the new owner that the vehicle has an airbag SRS.

If your vehicle is to be scrapped; airbags that have not been deployed are potentially very dangerous and must be safely deployed in a controlled environment by qualified personnel, before a vehicle is scrapped.

Steering Column

STEERING WHEEL ADJUSTMENT

WARNING

DO NOT adjust the steering wheel position while the vehicle is in motion. This is extremely dangerous!

The steering wheel position can be adjusted in two directions.

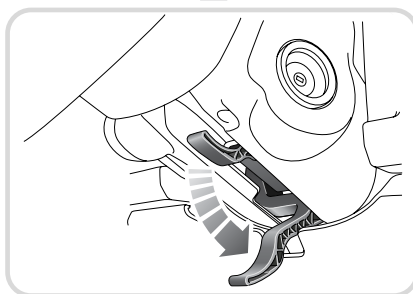
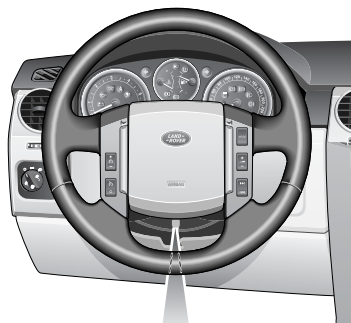
Move the lever located under the steering wheel fully downwards (see inset).

Adjust the steering wheel up or down, in or out.

Move the lever fully up to lock.

WARNING

Ensure that the lever is fully up. Inadvertent movement of the wheel might occur if the lever is not fully tightened.



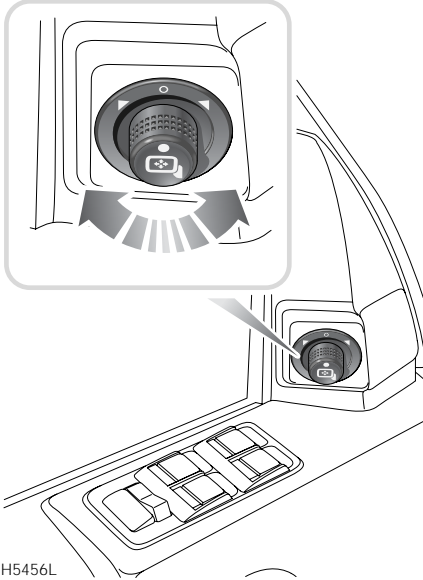
H5454L

Door Mirrors

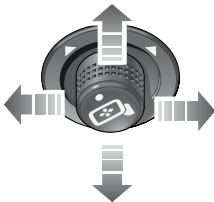
EXTERIOR MIRRORS

Note: Objects viewed in exterior mirrors may appear further away than they actually are.

Mirror adjustment



With the starter switch turned to position 'I' or 'II', rotate the knob to select either the left or right-hand mirror. Push the knob in the appropriate direction to tilt the mirror glass up/down/left or right

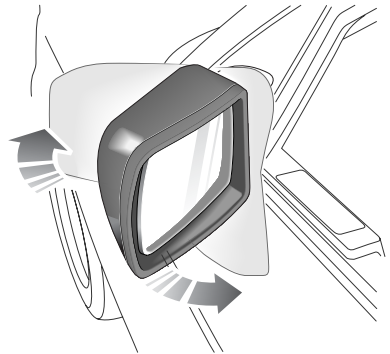


The door mirrors have integral heating elements which disperse ice or mist from the glass. These will operate automatically with the starter switch in position 'II' and are controlled according to the external temperature and wiper status.

Note: On vehicles fitted with the driver's seat memory facility, up to three exterior mirror positions for each of three possible starter keys can be stored, see **DRIVER'S SEAT MEMORY FACILITY***, 48 .

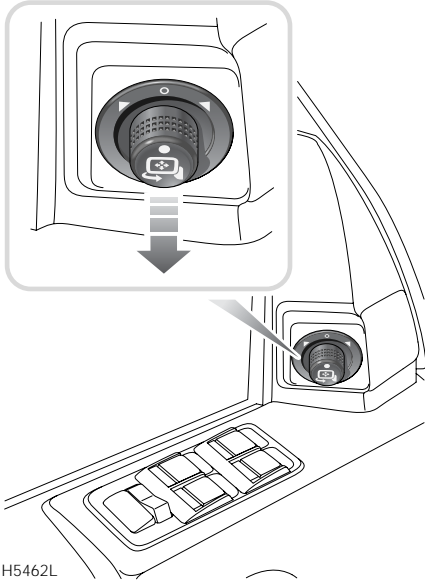
Folding the mirror body

The door mirrors are designed to fold forwards or rearwards on impact. They can also be folded in towards the side windows into a 'park' position.



Manual operation: On some vehicles this operation can be carried out manually, by physically pushing the mirror bodies towards the side windows.

Door Mirrors



H5462L

Electric operation: * With the rotary knob in the central position, push the knob downwards to fold the mirrors. Push the knob downwards again to unfold the mirrors.

If the mirrors are accidentally knocked out of position (i.e. with one mirror folded and the other in the normal position), an additional operation of the switch will re-synchronise them.

Automatic mirror dipping*

Vehicles with driver's seat memory have a pre-stored function, which causes the door mirrors to dip whenever reverse gear is selected, giving the driver a view of the curbside.

When this feature is first turned on, the mirrors will dip to a preset amount. See **SELECTING SETTINGS OPTION, 85**. The degree of dipping can be programmed using the following sequence:

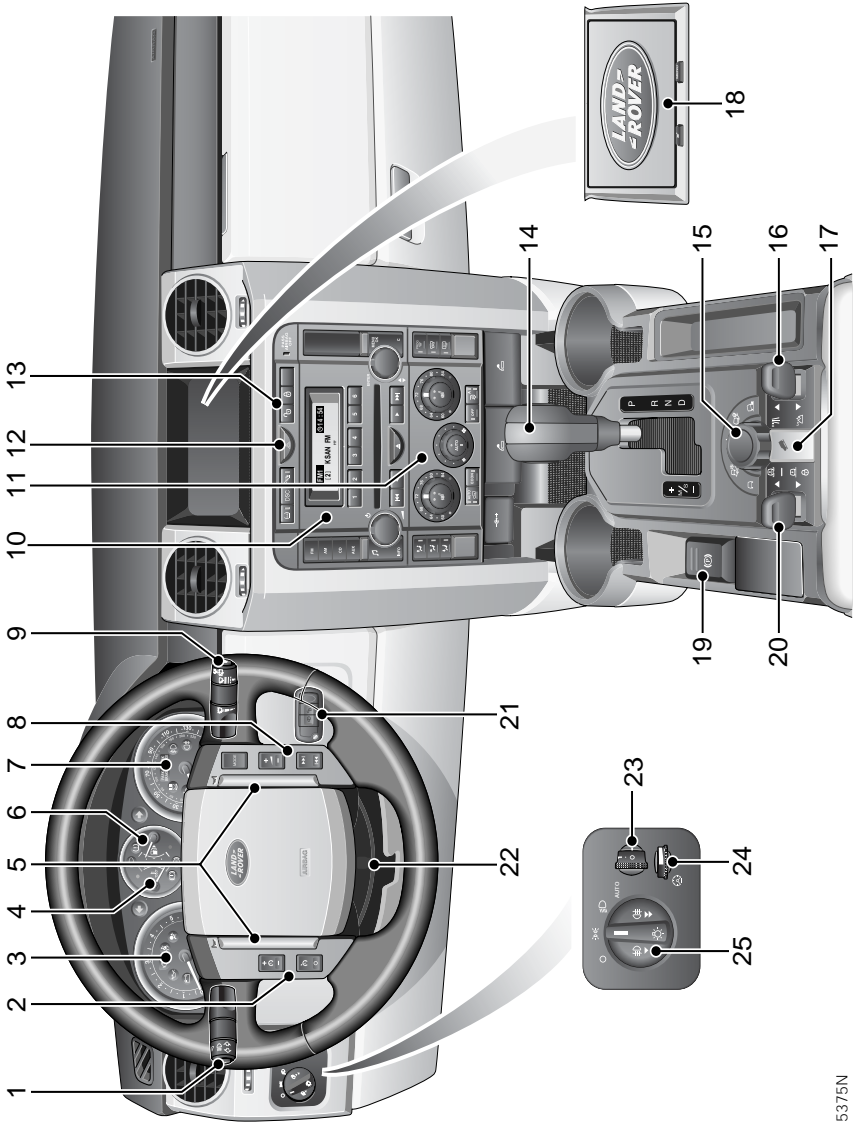
1. Insert the ignition key and turn it to position 'II'.
2. Adjust the seat and the exterior mirrors to the correct position and perform a memory-store routine.
3. Select reverse gear - the mirrors will dip to a preset level.
4. Adjust the mirrors to the required dipped position.
5. Perform a memory-store sequence.
6. 'Mirror Dip Stored' will appear on the message center (if fitted).
7. A single chime will sound from the instrument pack.



*This feature can be enabled or disabled by a Land Rover Retailer or by the driver. See **SELECTING SETTINGS OPTION, 85**.*

Facia Controls

FACIA CONTROLS



H5375N

Facia Controls

FACIA CONTROLS KEY

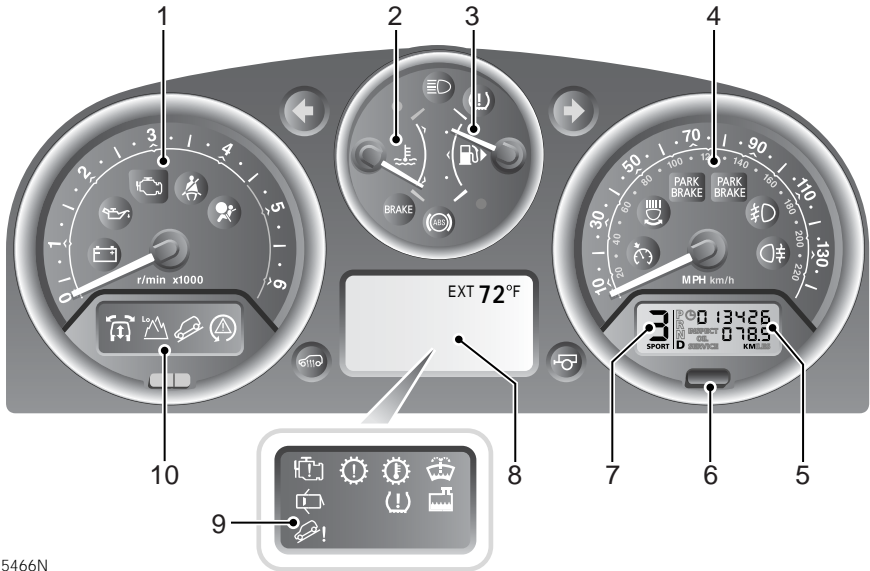
1. Headlamps and direction indicator controls
2. Cruise control switches
3. Tachometer
4. Temperature gauge
5. Horn buttons
6. Fuel gauge
7. Speedometer
8. Audio remote controls
9. Wash/wipe controls
10. Audio display/controls
11. Heater/air conditioning controls
12. Hazard warning lamp switch
13. Door lock/unlock switch
14. Gear selector
15. Terrain Response™ control switch*
16. Transfer gearbox switch
17. Hill Descent Control switch
18. Display screen
19. Electric parkbrake switch
20. Air suspension switch
21. Starter switch
22. Steering column adjustment
23. Manual headlamp levelling
24. Dimmer control
25. Lamps master switch

Note:

The precise specification and location of the controls may vary according to territorial requirements and from vehicle to vehicle.

Instruments

INSTRUMENT PACK



H5466N

1. Tachometer

Indicates engine speed in revolutions per minute (x 1000). In normal driving conditions the engine is most fuel efficient between 2000 and 3000 rev/min.

2. Temperature gauge

At normal operating temperature, the pointer will be positioned midway between the RED and BLUE segments of the gauge (the precise position will vary according to climatic conditions).

If the pointer moves above the mid point, the engine coolant is becoming too hot. Should the pointer move INTO the RED segment and the RED warning indicator within the gauge illuminates, severe engine damage could occur (under these circumstances, the air conditioning may switch off and engine performance may reduce in order to minimise engine load).

Instruments



H5467G

Stop the vehicle as soon as safety permits and switch off the engine and allow to cool down. If the problem persists, seek qualified assistance before continuing.

3. Fuel gauge

When the starter switch is turned to position 'II', the pointer quickly rises to show the level of fuel in the tank.

When the remaining fuel reaches a minimum of 12 litres (3 gallons), the AMBER low fuel warning indicator in the fuel gauge illuminates.



H5468G

The remaining fuel should give a range of 80 km (50 miles).

The small arrow visible alongside the fuel pump symbol on the gauge indicates the side of the vehicle on which the fuel filler is located - a useful reminder to help you position the vehicle on the correct side of the forecourt pumps before refuelling.

Caution: NEVER allow vehicles to run out of fuel as the resultant misfire may damage the catalytic converter.

4. Speedometer

Indicates road speed.

5. Total distance (odometer) and trip recorder

Indicates the total distance travelled, and also shows the most recent individual journey distance, see **ODOMETER DISPLAY, 98**.

6. Trip recorder reset switch

With the starter switch in position 'II', pressing this button resets the trip recorder to zero.

7. Gear selector position display

The current gear selector position is displayed. See **GEAR SELECTOR DISPLAY, 98**, for further information.

8. Main message center*

Displays all warning and information messages. For further information concerning messages and their meanings, refer to **MAIN MESSAGE CENTER, 87**.

9. Warning indicators panel

For warning indicator information, see **INDICATOR GROUPING, 100**.

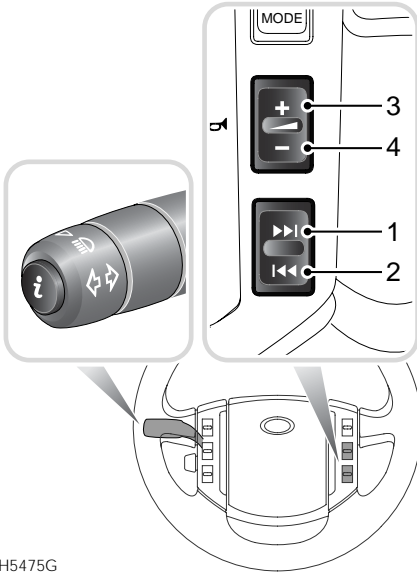
10. Tachometer indicators panel

Displays four system status indicators.

Settings Option*

SELECTING SETTINGS OPTION

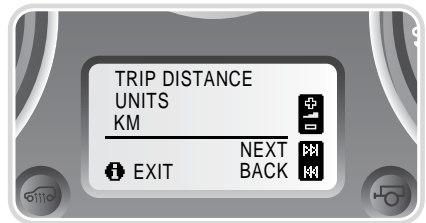
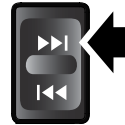
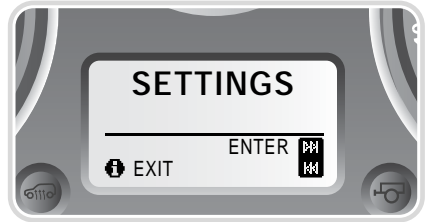
Various vehicle functions can be selected to suit personal requirements. These can be set by the driver.



H5475G

With the starter key in any position, but with the vehicle stationary and a blank screen displayed, a short press (less than two seconds) on the 'i' button on the end of the direction indicator stalk brings up the SETTINGS display.

Once this screen is displayed, pressing button 1 gives access to the menu of options that can be personalised.



H5476G

Move through the Settings menu by pressing buttons 1 or 2, and make choices by pressing buttons 3 or 4.

When you have finished making adjustments, a short press (less than two seconds) on the 'i' button will return you to the trip computer display.

Settings Option*

SETTINGS	CHOICE
TRIP DISTANCE UNITS	MILES/KM
FUEL USAGE UNITS	MPG L/100 km Km/l
EXTERNAL TEMPERATURE	TEMP DISPLAY UNITS (C or F)
OVERSPEED WARNING	Off 20 - 250 km/h or 15 to 140 mph in 5-unit steps (Units set as trip distance)
HEADLAMP OFF DELAY	30/60/120/240 seconds
AUTO DOOR LOCK	ON/OFF
REVERSE MIRROR DIP	ON/OFF
EASY ENTRY	ON/OFF
RESTORE DEFAULT SETTINGS	YES/NO

Confirming choices

After making any changes to the Settings options, press the 'i' button again to save settings and exit.

Note: *If the vehicle is moved while any changes are being made to the Settings options, the system will prevent any further input until the vehicle is stationary again.*

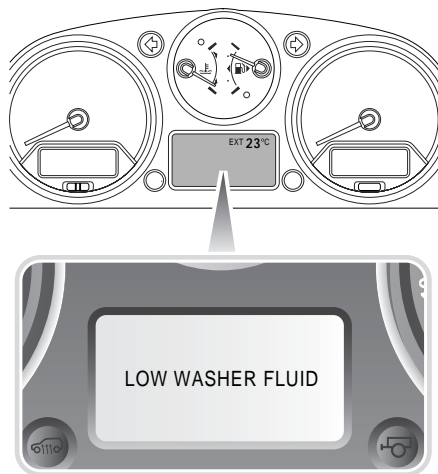
Key memory

All of the choices made during Settings are stored within the vehicles memory. The choices are referenced to the remote handset that was used during the process.

These choices are recalled when the vehicle is next unlocked using that remote handset.

Message Center*

MAIN MESSAGE CENTER



H5477G

Driver warning and information messages are displayed in the main message center.

They are displayed when a fault is detected and also when the starter switch is turned off. It is possible, by pressing the system check control switch, to view messages for up to 3 minutes after the key has been removed from the starter switch.

Messages have different priority levels and are grouped into the following categories.

Critical warning messages

Critical warning messages are accompanied by an audible warning and the warning may have the handbook symbol next to it. **DO NOT** ignore these messages - **TAKE CORRECTIVE ACTION IMMEDIATELY!** These messages are displayed continuously while the starter switch is turned on, and remain displayed while the fault persists.

Warnings and information messages

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

DO NOT ignore these messages - **TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.**

Warning messages are displayed for approximately 20 seconds. If other warning messages are pending, the display time will be reduced to approximately 2 seconds.

Information messages will be displayed as and when applicable, and also when the starter switch is turned on or off. Where the message requires action by the driver - **TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.**

Messages are displayed in order of importance with critical warnings taking priority.

Message Center*

MESSAGE CENTER MESSAGES

The following table is a comprehensive list of all messages that could appear in the Message Center. Market criteria mean that some messages will not apply to your vehicle and will therefore not appear.

Message	Meaning	What to do?
AAA.A M BBB.B M C.C Mph D.D mpg	Trip computer information.	No action required.
AIRBAG FAULT	Fault in supplementary restraint system.	Seek assistance immediately.
AUTOMATIC MODE	Information	No action required.
Average Cons. Reset mpg l/100km	Trip computer information.	No action required.
Average Speed Reset Miles km	Trip computer information.	No action required.
CANNOT EDIT ON THE MOVE	Driver has attempted to access the Customer Personalisation menu when the vehicle is moving.	Stop the vehicle before entering Customer Personalisation menu.
CAUTION PARKBRAKE APPLIED	Parkbrake has been applied while the vehicle is moving.	Only use this function in an emergency.
CAUTION! RISK OF GROUNDING WITH SUSPENSION AT NORMAL HEIGHT	Displayed when the Terrain Response system would normally have provided off-road height but the driver has manually lowered the vehicle (or the system cannot raise the vehicle).	Raise suspension manually to off-road height if possible and appropriate.
CHECK ALL TIRE PRESSURES	Advisory message, pressure in a running tire decreased to first warning threshold.	Check tire pressures.
CHECK BRAKE FLUID	Brake fluid in reservoir below recommended level.	Seek assistance immediately.
CHECK BRAKE PADS	Brake pads worn beyond the service limit.	Seek assistance immediately.

Message Center*

Message	Meaning	What to do?
CHECK SPARE TIRE PRESSURE	Pressure in spare tire decreased to warning threshold.	Check pressure of spare tire.
COOLING SYSTEM FAULT MONITOR GAUGE	Stop the vehicle and check coolant level.	If below lower mark, seek qualified assistance.
CRUISE CONTROL CANCELLED	Driver has switched off Cruise Control.	No action required.
CRUISE CONTROL DRIVER OVERRIDE	Information	No action required.
CRUISE CONTROL NOT AVAILABLE	System fault or vehicle operating parameters outside threshold for operation of Cruise Control.	No action required unless message appears within operating parameters. In which case seek qualified assistance.
CRUISE CONTROL NOT PERMITTED	Information	No action required.
CRUISE CONTROL SET SPEED xxx km/h	Information	No action required.
DOOR MIRROR DIP STORED	Memory system - confirmation that memory has stored driver information.	No action required.
DRIVER OVERSPEED SET CLEAR	Trip computer information.	No action required.
DRIVER'S DOOR OPEN	Driver's door open or not fully closed.	Close driver's door.
DSC SWITCHED OFF	System not available - switched off by driver.	To reselect, press DSC switch.
ENGINE SYSTEM FAULT	Engine management system registers a serious fault - reduced performance may be experienced.	Avoid high speeds and consult your Land Rover Retailer.
ENGINE SYSTEM SERVICE REQUIRED	The relevant service interval has elapsed and your vehicle requires servicing.	Arrange as soon as possible.
FASTEN SEATBELTS	Seat occupied and safety belt not fastened.	Fasten safety belt.
FRONT LEFT TIRE PRESSURE NOT MONITORED	Possible loss of RF transmission or defective sensor battery.	Seek assistance immediately.

Message Center*

Message	Meaning	What to do?
FRONT LEFT TIRE PRESSURE TOO HIGH	Pressure in a running tire too high, threshold reached.	Adjust to correct pressure as soon as possible.
FRONT LEFT TIRE PRESSURE VERY LOW	Pressure in a running tire decreased to warning threshold.	Adjust to correct pressure as soon as possible.
FUEL TANK CAP LOOSE OR MISSING	Information	Replace fuel tank cap.
GRASS GRAVEL SNOW	Advisory message. Terrain Response Grass/Gravel/Snow special program has been selected and is currently active.	No action required.
GRASS GRAVEL SNOW PROGRAM SELECTED	Advisory message. Terrain Response Grass/Gravel/Snow special program has been selected and is currently active.	No action required.
HDC FAULT SYSTEM NOT AVAILABLE	System fault.	Drive with care and do not attempt to descend steep slopes. Seek assistance immediately.
HDC NOT AVAILABLE IN THIS GEAR	HDC not operative because of incorrect gear selection. HDC is fully functional in 1, R and D in HIGH range. It operates in all gears in LOW range.	Select correct gear if HDC is required. In LOW range, HDC operates in all gears.
HDC NOT AVAILABLE SPEED TOO HIGH	HDC unavailable, speed threshold exceeded. Max HDC operating speed is 50 km/h, max speed for HDC selection is 80 km/h.	Reduce vehicle speed.
HDC SWITCHED OFF	HDC switched off by driver, Terrain Response system or speed threshold exceeded.	No action required.
HDC TEMPORARILY NOT AVAILABLE SYSTEM COOLING	HDC switched off while brake system is cooling.	Wait until message disappears before attempting to descend steep slopes.
HIGH ENGINE SPEED FOR COOLING	Engine idle speed increasing to improve cooling and/or air conditioning performance.	No action required.
HIGH/LOW RANGE SELECTED	Advises driver that transfer box has engaged HIGH/LOW range.	No action required.

Message Center*

Message	Meaning	What to do?
INTERIOR LIGHTS AUTOMATIC	All automatic operation of courtesy lamps has been enabled.	No action required.
INTERIOR LIGHTS OFF	All automatic operation of courtesy lamps has been deactivated.	No action required.
KEY BATTERY LOW PLACE KEY IN IGNITION TO CHARGE	Handset battery charge low.	Insert key in starter switch and start engine.
LOW COOLANT LEVEL	Coolant level in header tank below recommended level.	Top up with correct mixture of antifreeze and water at the earliest opportunity. If the problem persists, consult your Land Rover Retailer.
LOW WASHER FLUID	Washer fluid quantity below 1 litre.	Top up washer fluid.
MEMORY 1/2/3 STORED/SELECTED	Memory system - confirmation that memory has been stored/selected.	No action required.
PARKBRAKE BEDDING CYCLE ACTIVE	A garage technician has requested a bedding cycle.	If not required, an ignition reset will cancel the function.
PARKBRAKE FAULT	Supports the amber warning indicator - electric parkbrake functions may not be available.	Seek qualified assistance.
PARKBRAKE FAULT AUTO RELEASE NOT FUNCTIONAL	Drive-away release function is not available.	Use manual release.
PARKBRAKE FAULT SYSTEM NOT FUNCTIONAL	Supports the red warning indicator - electric parkbrake functions are not available.	Seek qualified assistance immediately.
PARKBRAKE FAULT TO HOLD VEHICLE REMOVE KEY THEN APPLY PARKBRAKE	Electric parkbrake has lost vehicle speed information.	Follow the instructions to park the vehicle.
PARKBRAKE OFF LIFT SWITCH TO APPLY	An emergency release operation is detected.	Once original faults have been corrected, apply the switch to reinstate electric park brake.

Message Center*

Message	Meaning	What to do?
PARK LOCK FAILURE APPLY HANDBRAKE	Transmission park lock function ineffective due to transfer box being out of HIGH or LOW range.	Seek assistance immediately.
PRESS FOOTBRAKE AND PARKBRAKE SWITCH TO RELEASE	A switch release has been detected without brake pedal contact.	Follow the instructions to achieve a manual release.
PROGRAM CHANGE IN PROGRESS	Conditions prevail which make it temporarily impossible to select a new program. This can be due to ABS or DSC activity or the overheating of the electronic differentials.	Be patient. If conditions change within 60 seconds, the chosen program will be activated. If the message is prompted by electronic differential overheat, then it will take longer but there will be separate advice about this. Once the differentials have cooled and this advice is no longer present, try to reselect the required special program.
Range Miles km	Trip computer information.	No action required.
RECOMMEND LOW RANGE IS SELECTED FOR MUD-RUTS PROGRAM	LOW range is usually better for Mud-Ruts special program.	Select LOW range if required.
RECOMMEND RAISING SUSPENSION TO OFF ROAD HEIGHT IN DEEP MUD-RUTS	In deep ruts it is beneficial to raise the vehicle to off-road height. This is done automatically in LOW range but has to be done manually if mud/ruts program is used in HIGH range.	Raise suspension manually to off-road height.
RECOMMEND STARTING IN 2ND/3RD GEAR FOR SLIPPERY CONDITIONS	For slippery conditions it can be beneficial to start off in a higher gear than usual.	Select second/third gear.
REDUCED ENGINE PERFORMANCE	Information	No action required.

Message Center*

Message	Meaning	What to do?
RESET SUSPENSION HEIGHT IF CLEAR OF OBSTACLE	Suspension still in extended mode.	Check if vehicle is clear of obstacle. If clear, select required suspension height.
REVERSE GEAR SELECTED	Information	No action required.
SAND	If you leave the rotary knob in this position then you will activate the Terrain Response sand program.	No action required.
SAND PROGRAM SELECTED	The rotary knob has been left in one position for longer than two seconds and Sand special program has been activated.	No action required.
SELECT LOW RANGE TO ACTIVATE ROCK CRAWL	Vehicle is not in LOW range, so Rock Crawl cannot be activated.	Select LOW range if Rock Crawl is required.
SELECT NEUTRAL FOR RANGE CHANGE	Alerts driver that range change will not occur until neutral is selected on the transmission.	Select neutral.
SLOW DOWN OR VEHICLE WILL LOWER/RAISE	Vehicle will automatically lower/raise if vehicle speed increases.	Choose to slow down or accept height change.
SPECIAL PROGRAMS OFF	You have deselected a Terrain Response special program and the general program has now been activated.	No action required.
SPEED TOO HIGH FOR RANGE CHANGE	Driver has requested range change when vehicle speed is too high.	Reduce speed to 40 km/h.
SUSPENSION ACCESS HEIGHT SELECTED	Access height selected.	No action required.
SUSPENSION CLOSE DOOR TO CHANGE HEIGHT	Air suspension height change is prevented because a door is open.	Close all doors.
SUSPENSION FAULT	A fault has been detected in the air suspension system. System may still operate normally.	Seek assistance immediately.

Message Center*

Message	Meaning	What to do?
SUSPENSION FAULT MAX SPEED 50 km/h (MAX SPEED 30 mph)	A major fault has been detected in the air suspension system. Height cannot be controlled.	Drive slowly until fault can be rectified.
SUSPENSION FAULT NORMAL HEIGHT ONLY	A fault has been detected in the air suspension system. Only normal height is available.	No action required.
SUSPENSION FAULT STOP SAFELY STOP ENGINE	Major component failure.	Stop vehicle immediately and seek assistance.
SUSPENSION IN EXTENDED MODE	Vehicle body has become trapped on an obstacle and will raise automatically.	No action required.
SUSPENSION LOCKED AT ACCESS HEIGHT	Crawl mode selected and suspension locked.	No action required.
SUSPENSION NORMAL HEIGHT SELECTED	Normal height selected.	No action required.
SUSPENSION SPEED TOO HIGH TO CHANGE HEIGHT	A height change has been requested but is prevented because speed is too high.	Reduce vehicle speed.
SUSPENSION START ENGINE TO RAISE VEHICLE	Vehicle height can only be raised with the engine running.	Start the engine.
SUSPENSION VEHICLE RAISING SLOWLY	Vehicle is raising slowly because reservoir is empty. (Only displayed if lift time exceeds 12 seconds. This is NOT a system fault).	No action required.
SUSPENSION WILL RAISE WHEN SYSTEM COOLED	Air suspension compressor is cooling. Lifting will resume when compressor has cooled.	Wait for suspension to carry out lifting sequence.
SYSTEM CHECK IN PROGRESS	Instrument cluster internal diagnostic routine.	No action required.
SYSTEM FAULT SOME PROGRAMS NOT AVAILABLE	Some Terrain Response special programs are not available because of a system fault.	Be careful going off-road as Terrain Response may not function in the program required. Get the vehicle checked and rectified.

Message Center*

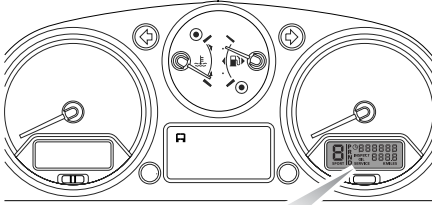
Message	Meaning	What to do?
SYSTEM FAULT SPECIAL PROGRAMS NOT AVAILABLE	There is a fault on the vehicle which makes the Terrain Response special programs unavailable.	Be careful going off-road as Terrain Response cannot function in any of its special programs. Get the vehicle checked and rectified.
TERRAIN RESPONSE SPECIAL PROGRAMS OFF	If you leave the Terrain Response rotary knob in this position, you will activate the general program and any active Terrain Response special program will be deselected.	No action required.
TERRAIN RESPONSE TIME OUT SPECIAL PROGRAM NO LONGER SELECTED	Selected Terrain Response program unable to be selected as vehicle is outside of required parameters, or selected program has been switched due to vehicle moving outside of required parameters.	No action required.
TRAILER CONNECTED OFF ROAD HEIGHT NOT SELECTED AUTOMATICALLY	Advisory message that vehicle has not achieved off-road height as trailer socket is being used.	If a trailer is connected, do nothing, as it may not be safe to raise the vehicle to off-road height. If no trailer is connected electrically but something else, such as a bike rack is, then the vehicle can be raised to off-road height manually. If nothing is connected, then the socket needs checking for faults.
TRANSMISSION COMMANDSHIFT SELECTED	Information	No action required.
TRANSMISSION FAULT	Advises driver that transmission has a fault.	Seek assistance immediately.
TRANSMISSION FAULT LIMITED GEARS AVAILABLE	Advises driver that transmission has a fault and performance may be affected.	Seek assistance immediately.
TRANSMISSION FAULT STOP SAFELY	Information	Follow the instructions and seek assistance immediately.

Message Center*

Message	Meaning	What to do?
TRANSMISSION FAULT TRACTION REDUCED	Information	No action required.
TRANSMISSION OVERHEAT SLOW DOWN	Rear differential temperature has reached or is approaching the overheat threshold.	Reduce speed.
TRANSMISSION RANGE CHANGE NOT AVAILABLE	Information	No action required.
TRANSMISSION TRACTION REDUCED	Transfer box control module fault.	Seek assistance immediately.
Trip Dist Range Ave Sp. Ave Cons.	Trip computer information.	No action required.
Trip Distance Reset Miles km	Trip computer information.	No action required.
TIRE PRESSURE MONITORING SET FOR HEAVY LOAD	TPM system set by driver for heavy load operation.	No action required.
TIRE PRESSURE MONITORING SYSTEM FAULT	TPM system fault has occurred.	Seek assistance immediately.
TIRE PRESSURES TOO HIGH	Information	Adjust to correct pressure as soon as possible.
TIRE PRESSURES VERY LOW	Information	Adjust to correct pressure as soon as possible.

Message Center*

SERVICE INTERVAL INDICATOR



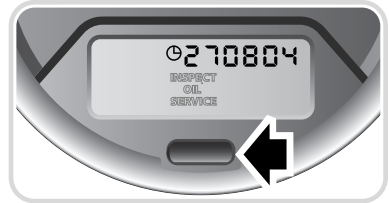
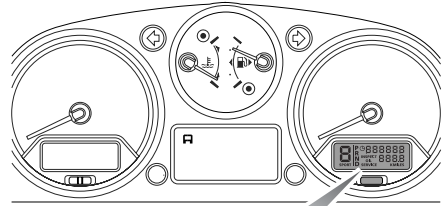
H5478G

When the starter switch is turned to position 'I', a distance 'countdown' to the next service appears in the display. In the left-hand sector, the type of service required is shown. A minus sign preceding the distance indicates that the service interval point has been exceeded by that distance.

After approximately five seconds, the display reverts to show the total distance travelled.

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

Note: After the completion of each service, the Land Rover Retailer will reset the distance display for the countdown to the next service.



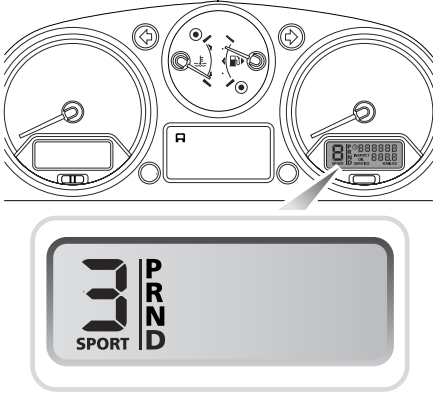
H5479G

If the System Check Control Button, is pressed before the five seconds have elapsed, a clock symbol appears and the next service date is displayed (dd.mm.yy) in place of the countdown feature. This displays for a further five seconds.

If the service/inspection date is passed before the countdown feature has reached zero, the clock symbol will be displayed for five seconds at the start of every starter sequence to make the driver aware of the need to check the vehicle's service requirements.

Message Center*

GEAR SELECTOR DISPLAY



H5480G

This shows the current gear lever position and indicates when LOW range has been selected. The LOW range indicator (in the top right corner of the display) flashes whilst the transfer gearbox changes ranges and then illuminates constantly when LOW range has engaged. A range change will also be confirmed in the main message center.

ODOMETER DISPLAY

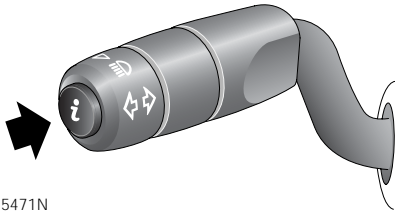
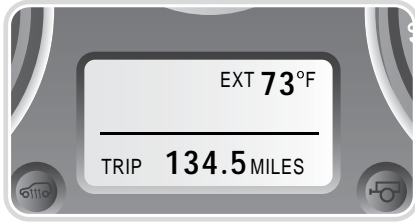


H5481G

With the starter switch turned to position 'II', the display indicates the total distance travelled by the vehicle, and also shows the most recent individual journey distance. See **Settings Option***, 85.

Trip Computer*

TRIP COMPUTER* - FUNCTION SELECTION



H5471N

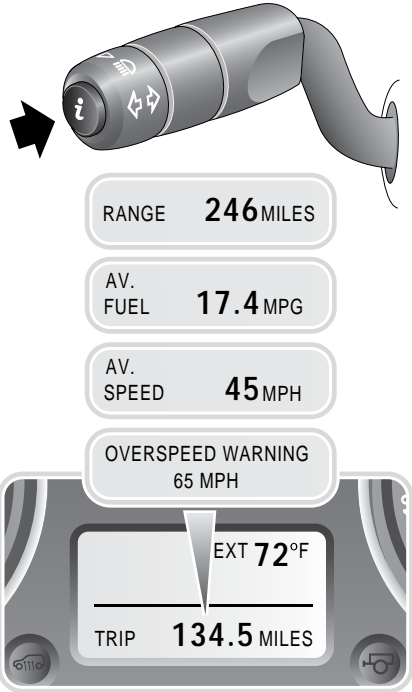
The trip computer function can be set to give a wide range of information, with the units used by the displays being chosen by the driver.

At engine start-up, the screen shows SYSTEM CHECK IN PROGRESS. When this check is completed, any warning messages will be shown in order of priority.

The trip computer statistics can be viewed by pressing the 'i' button on the end of the direction indicator stalk.

A long press of the button (over two seconds) will zero the trip distance recorder which will then start to record distance from that point.

A series of short presses of the button (less than two seconds) will scroll through the following:

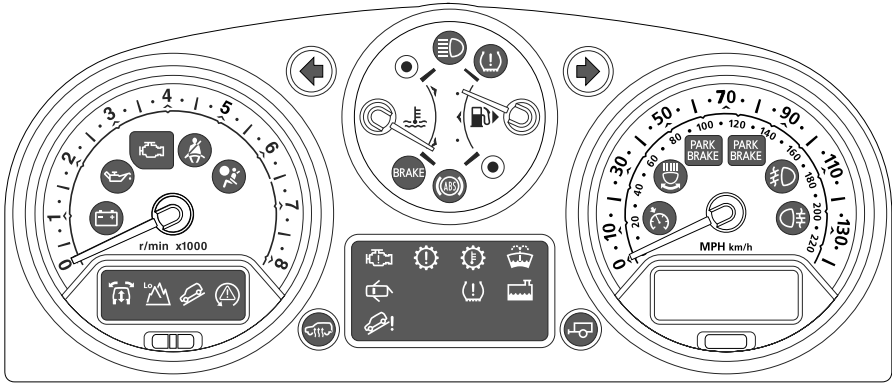


H5474N

- Available range (with current fuel tank contents)
- Average consumption
- Average speed
- The option to activate/deactivate the overspeed warning function (A long press of the button turns the function on or off)
- A review of active warning messages
- A blank trip computer window (screen shows outside temperature)
- A display of trip distance

Warning Indicators

INDICATOR GROUPING



H5484N

Caution: RED warning indicators are of particular importance; their illumination indicates that a fault exists. If a RED warning indicator illuminates, stop the vehicle safely and review the specific instructions given in this section.

The location and specification of the warning indicators may vary according to model and market requirements.

For ease of identification, the warning indicator descriptions have been grouped into the five locations on the instrument pack.

These are:

- background
- tachometer
- fuel/temperature gauge
- message center
- speedometer

BACKGROUND

Direction indicators - GREEN



An indicator flashes in time with the corresponding left or right direction indicator lamps

whenever they are operated. If the warning indicator fails to flash, or flashes very rapidly, this may indicate a bulb failure in one of the direction indicator lamps.

If the hazard switch is pressed, both warning indicators will flash in conjunction with the direction indicator lamps.

Trailer - GREEN



The indicator illuminates as a bulb check when the starter switch is turned to position 'II' and extinguishes when the engine is started.

If a trailer is attached to the vehicle and the direction indicators are used, this indicator will flash in synchronisation with the direction indicator lamps. If it does not flash, this indicates that a trailer bulb is defective.

Warning Indicators

TACHOMETER DISPLAY

Battery charging - RED



Illuminates as a bulb check when the starter switch is turned to position 'II' and extinguishes once the engine is running. If it remains on, or illuminates whilst driving, a fault with the battery charging system is indicated. Seek qualified assistance urgently.

Low oil pressure - RED



Illuminates as a bulb check when the starter switch is turned to position 'II' and extinguishes when the engine is started. If the indicator remains on, flashes on and off, or illuminates whilst driving, stop the vehicle as soon as safety permits and SWITCH OFF THE ENGINE IMMEDIATELY. Seek qualified assistance before driving. Always check the oil level when this indicator illuminates.

Check engine - AMBER



Illuminates as a bulb and system check when the starter switch is turned on and extinguishes as soon as the engine is started. Illumination at any other time indicates an engine fault. If the indicator illuminates continuously while driving, the emission performance of the engine management system is impaired - seek qualified assistance.

If the indicator flashes while driving, immediately reduce engine power to avoid catalytic converter damage.

Seat belt - RED



Illuminates when the starter switch is turned to position 'II' and extinguishes after approximately 6 seconds, even if the driver's seat belt remains unfastened. In some markets illumination of the indicator will be accompanied by a warning chime (see **AUDIBLE WARNINGS, 106**).

Note: In certain markets, the indicator will illuminate until the driver's seat belt is fastened correctly.

Airbag SRS - RED



The indicator illuminates when the starter switch is turned to position 'II' and extinguishes after about 4 seconds. If the indicator illuminates at any other time, there is a fault with the system - seek qualified assistance urgently.

Suspension- AMBER/RED



Illuminates amber when a suspension fault occurs which still allows the vehicle to be driven normally. If the symbol flashes red, the vehicle should be driven slowly until qualified assistance can be obtained.

The first illumination of the indicator will be accompanied by a warning chime.

LOW gear- GREEN



Illuminates when LOW range has been selected; flashes during range change.

Warning Indicators

Hill Descent Control (HDC) 'information' - GREEN



Illuminates briefly as a bulb and system check when the starter switch is turned to position 'II' and also illuminates when HDC is selected.

If HDC is selected and all operating conditions are met, the indicator will illuminate continuously.

If HDC is selected and all operating conditions are not met (vehicle in neutral gear and vehicle speed above HDC operating range) the indicator will flash.

If a fault with the HDC system occurs, HDC will fade-out and then deselect, or deselect immediately (depending on the type of fault and whether or not HDC is in operation). The green indicator will extinguish and the message 'SYSTEM NOT AVAILABLE' will appear in the message center (where fitted) or the HDC fault amber indicator will illuminate.

Dynamic Stability Control (DSC) and Electronic Traction Control (ETC.) - AMBER



Illuminates briefly as a bulb check when the starter switch is turned to position 'II'. The indicator also illuminates when DSC is switched off. Deactivating DSC has no effect on traction control.

The indicator will flash while DSC and/or ETC. is activated and will remain flashing until the system is no longer active.

If the indicator illuminates constantly, and does not extinguish when the DSC switch is pressed, a fault has been detected in the system and DSC and/or ETC. will be inactive - drive with care and seek qualified assistance as soon as possible.

FUEL/TEMPERATURE GAUGE DISPLAY

Headlamp high beam - BLUE



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

Tire pressure monitoring - AMBER



The indicator illuminates as a bulb check when the starter switch is turned to position 'II'. If the indicator stays on or illuminates during driving, the tire pressure in one or more tires is significantly low and should be rectified as soon as safely possible.

Brake systems



This indicator shares its position and symbol with four brake system warnings and illuminates briefly as a bulb check when the starter switch is turned to position 'II' (the indicator will illuminate red and amber during bulb check).

Emergency brake assist - AMBER

If the indicator remains amber after starting, or illuminates whilst driving, a fault with the EBA system is indicated. Drive with care and seek qualified assistance urgently.

Brake pad wear - AMBER

It illuminates when brake pad wear has reached a predetermined limit.

Electronic Brake force Distribution (EBD) - RED

A fault with the EBD system is indicated by illumination of the red brake warning indicator. If this illuminates while the vehicle is being driven, stop the vehicle gently, as soon as safety permits, check and top up brake fluid if necessary. If the lamp remains illuminated, seek qualified assistance before continuing.

Warning Indicators

Brake fluid level - RED

Low brake fluid level is indicated by illumination of the red brake warning indicator. If this illuminates while the vehicle is being driven, stop the vehicle gently, as soon as safety permits. Check and top up brake fluid if necessary. If the lamp remains illuminated, seek qualified assistance before continuing. Have the problem checked by your Land Rover Retailer.

Anti-lock braking system - AMBER



Illuminates as a bulb check when the starter switch is turned to position 'II'. If the indicator remains on or illuminates whilst driving, a fault with the ABS system is indicated. Drive with care, avoiding heavy brake application, and seek qualified assistance urgently.

LED DISPLAY

EMS fault- AMBER



Illuminates when the engine management system registers a serious fault - reduced performance may be experienced. Avoid high speeds and consult your Land Rover Retailer as soon as possible.

Transmission fault- AMBER/RED



Illuminates when the transmission registers a fault.

AMBER The operation of the transmission is limited. Seek qualified assistance as soon as possible.

WARNING

The Park function on the automatic transmission may be inoperable. Use the parkbrake.

RED - the transmission is unable to function properly. Stop as soon as safety permits and turn off the engine. Leave the vehicle with the ignition switched off for five minutes and then switch the ignition back on. If the red light is still on, do not use the vehicle.

Warning Indicators

Transmission fault- AMBER



Illuminates when the transmission oil temperature reaches a predetermined limit. Stop the vehicle where safety permits and switch off the engine. Allow the transmission to cool for one hour before continuing.

RED - the transmission is unable to function properly. Stop as soon as safety permits and turn off the engine. Allow the transmission to cool for at least one hour before continuing.

Note: The above transmission warning lights only appear on vehicles that are not fitted with a Message Center.

Low washer- AMBER



Illuminates when the contents of the screen washer bottle fall below a set level.

Door open- RED



Illuminates when the one of the vehicle's doors is open.

Tire pressure monitoring- RED



Illuminates as a bulb check when the starter switch is turned to position 'II'. If the indicator stays on or illuminates during driving, the tire pressure in one or more tires is very low and should be rectified as soon as safely possible.

Low coolant- AMBER



Illuminates when the level of engine coolant has reached a predetermined limit. Stop the vehicle and check the coolant level in the tank. If it is below the lower mark, top up with the correct mixture of antifreeze and water at the earliest opportunity, see **ENGINE COOLANT, 243**. If the problem persists, consult your Land Rover Retailer.

HDC fault- AMBER



Illuminates when there is a fault in the Hill Descent Control system. This indicator is only present on vehicles not fitted with a message center. If the brake temperatures reach a predefined limit, the HDC warning indicator will flash until the system has cooled, see **Hill Descent Control, 190**.

Warning Indicators

SPEEDOMETER DISPLAY

Cruise control active - GREEN



Illuminates when cruise control is operating.

Adaptive front lighting system- AMBER



Illuminates when a fault occurs with the Adaptive Front Lighting System.

Parkbrake system - RED or AMBER



Illuminates for about 3 seconds as a bulb check when the starter switch is turned to position 'II'.

If the indicator flashes red or illuminates amber, a fault with the parkbrake system is indicated, seek qualified assistance before continuing.

When parking the vehicle in this condition, ensure that the vehicle is secured stationary without reliance on the parkbrake.

Front fog lights - GREEN*



Illuminates when the front fog lamps are switched on.

Rear fog guard lamps - AMBER



Illuminates when the rear fog guard lamps are switched on.

Audible Warnings

AUDIBLE WARNINGS

The market specification will determine which of the following audible warnings are appropriate to your vehicle.

Electronic air suspension warnings

A warning chime will sound:

- Whenever the air suspension raise/lower switch is operated to raise the vehicle to off-road height, or to return it to standard ride height.
- If changes to or from off-road height are requested but not permitted.
- Whenever the speed threshold for the current ride height is reached.
- Whenever the air suspension is lowered to crawl mode.

Dynamic Stability Control (DSC) warning

A warning chime will sound once:

- If a fault with the DSC system is detected, and the appropriate warning indicator(s) illuminates (DSC, ABS, Amber Brake Warning or HDC fault or text message). The vehicle may still be driven with care, but seek qualified assistance at the earliest opportunity.

Starter key reminder

A warning will chime continuously:

- If the key is left in the starter switch while the driver's door is open, . The chime stops as soon as the door is closed or the key is removed from the starter switch.



The starter key reminder can be enabled or disabled by a Land Rover Retailer.

Seat belt reminder

In some markets, a warning chime will sound (one second frequency):

- If the driver's seat belt has not been fastened when the starter switch is turned on, . The chime operates in conjunction with the seat belt warning indicator and sounds for 6 seconds, or until the seat belt is fastened (whichever occurs first).

If the seat belt remains unfastened, the chime will sound at intervals of 15 seconds.

Tire Pressure Monitoring System*

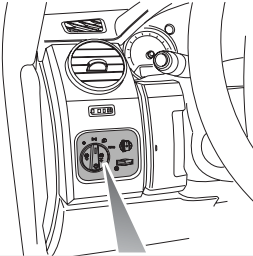
A warning chime will sound:

- Whenever the tire pressure is very low in one or more tires.
- Whenever the vehicle speed increases from 0 to 60 km/h (38 mph) with more than one tire very low.
- Whenever a Tire Pressure Monitoring System or wheel sensor fault is detected.

Lamps & Indicators

EXTERIOR LAMPS

Lamps master switch

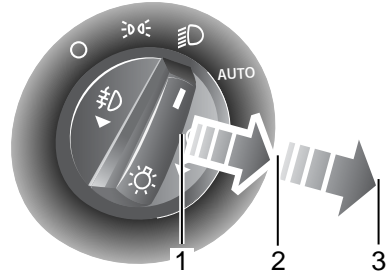


H5485L

The rotary master switch has a maximum of four positions and three detent positions. If a vehicle is not fitted with all options, the number of switch positions will be reduced accordingly.

The positions are:

1. Off
2. Side lamps
3. Low beam headlamps
4. Automatic control lamps*



H5487G

The detent positions are:

1. Off
2. Front fog lamps*
3. Rear fog lamps

If front fog lamps are not fitted, the rear fog lamps come on at the first pull of the switch.

Side lamps

The front and rear side lamps, along with licence plate and marker lamps, illuminate when the lamps master switch is turned to positions '2' or '3', regardless of the position of the starter switch.

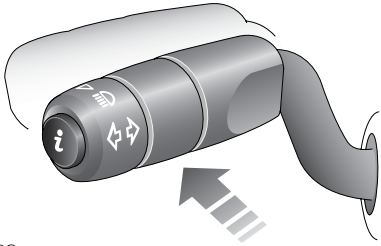
Automatic control lamps*

With the rotary master switch in position '4' and starter switch in position 'II', the side lamps, low beam headlamps and licence plate lamps will illuminate automatically when the ambient light falls below a predefined level.

All of the lamps will go out when the ambient light rises above that level.

Lamps & Indicators

High beam



H5488G

With the rotary master lighting switch in position '3' and starter switch in position 'II', push the column lighting switch lever away from the steering wheel as far as it will go to select high beam, and release it.

To cancel high beam, pull the lever towards the steering wheel again and release it.

While high beam is selected, a blue indicator will be illuminated in the instrument pack.

Note: Legislation limits the number of forward-facing lamps that can be illuminated at any one time. Therefore, if front fog lamps and low-beam headlamps are on together, the switching on of high-beam headlamps would cause the fog lamps to be switched off.

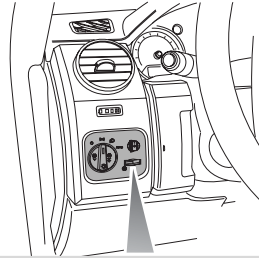
Headlamp high beam flash

To flash the headlamps on high beam, pull the lever towards the steering wheel and release it.

The blue indicator in the instrument pack illuminates when the headlamps are flashed.

Dimmer Control

Rotate the dimmer control to vary the level of instrument pack illumination.



H5491L

Headlamp courtesy delay

As a driver convenience feature the headlamps can be kept on for a short time after the vehicle is parked. Turn the starter switch off with the headlamps still switched on. The lamps master switch can be in positions '2', '3' or '4'.

Remove the key from the starter switch and turn lamps master switch fully anticlockwise to the Off position. The headlamps will remain illuminated for up to 240 seconds. This automatic time delay is configurable (see **SELECTING SETTINGS OPTION, 85**).

The courtesy delay may be cancelled at any time by turning the starter switch to positions 'I' or 'II' or the lamps master switch from position '1' to '2'.

Lamps & Indicators

Note: *If Automatic Control Lamps* are switched on, the headlamp courtesy delay will operate automatically.*



Headlamp courtesy delay can be enabled or disabled by a Land Rover Retailer or by the driver.

Daytime running lamps (Canada only)

In certain markets, with the engine running and the main lighting switch turned off, the front and rear side lamps, the licence plate lamps and the headlamp low beams will illuminate. The instrument pack illumination remains off.



Unless they are required or prohibited by law, daytime running lamps can be disabled/enabled by a Land Rover Retailer.

Note: *The following lamps operate only with the starter switch in position 'II'.*

Stop lamps

The stop lamps will illuminate when the brake pedal is pressed and will remain on while the brake pedal is pressed.

The stop lamps also illuminate when Hill Descent Control is braking the vehicle or during Electronic Parkbrake dynamic deceleration.

Reversing lamps

Selection of reverse gear will operate the reversing lamps.

Front fog lamps*

WARNING

Fog lamps should ONLY be used when visibility is severely restricted - as soon as conditions clear, switch off fog lamps to prevent dazzling of other road users.

With the lamps master switch in positions '2' or '3', pull out the switch to its first-out position to operate the front fog lamps.

An indicator will illuminate in the instrument pack.

Rear fog lamps (with front fog lamps fitted)

With the lamps master switch in positions '2' or '3', pull out the switch to its fully extended position.

An indicator will illuminate in the instrument pack.

Rear fog lamps (without front fog lamps fitted)

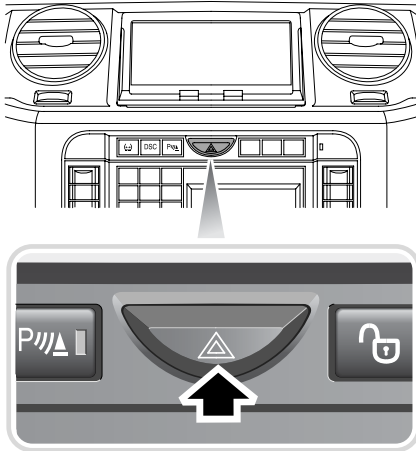
With the lamps master switch in position '3', pull out the switch to its fully extended position.

An indicator will illuminate in the instrument pack.

ALWAYS remember to switch the fog lamps off as soon as visibility permits.

Lamps & Indicators

HAZARD WARNING LAMPS

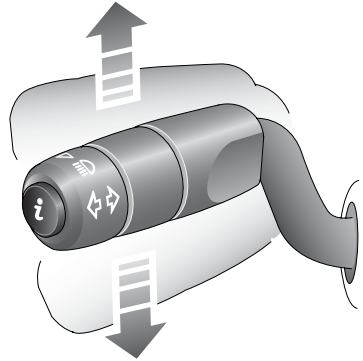


H5493G

Press the switch to operate the hazard warning lamps. All of the direction indicator lamps (including the instrument pack warning indicators and those fitted to a trailer) will flash together.

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.

DIRECTION INDICATORS



H5494G

With the starter switch in position 'II', the left-hand steering column lever will operate the direction indicators (a GREEN warning indicator on the instrument pack will flash in time with the direction indicators).

Hold the lever partially up or down against spring pressure to indicate a lane change.

Bulb failure of any front or rear direction indicator lamp (not side repeaters) will cause the instrument pack warning indicator to flash rapidly and the audible indicator signal to double in speed.

Wipers & Washers

OPERATING

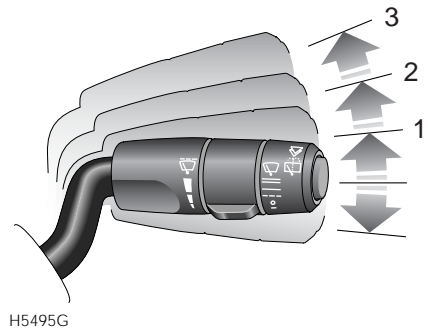
The wipers and washers will only operate when the starter switch is turned to position 'I' or 'II'.

- DO NOT operate the wipers on a dry screen.
- In freezing or very hot conditions, ensure that the blades are not stuck to the glass.
- In winter, remove any snow or ice from around the arms and blades, including the wiped area of the windshield and the heater air intakes.

Note: If the wiper blades have stuck to the glass, an electronic cut-out may temporarily prevent the wiper motor from operating. If this is the case, switch the wipers off and turn the starter switch off. Clear the obstruction and try again.

Semi-automatic operation of the wiper blades is possible by setting the wiper lever to the rain sensor variable delay* mode. In this mode, the wipers operate only when the rain sensor detects moisture on windshield and remain inactive whilst the screen is dry.

WINDSHIELD WIPERS



Rain sensor variable delay* or intermittent variable delay

Push the lever up to position 1.

Normal speed wipe

Push the lever up to position 2.

Fast speed wipe

Push the lever up to position 3.

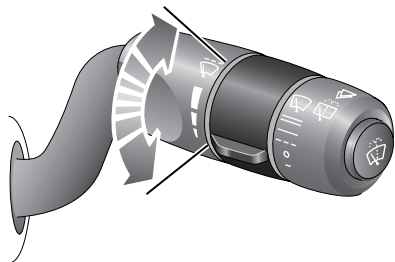
Single wipe

Pull the lever down and release immediately.

Note: With the lever held down, the wipers will operate at fast speed until the lever is released.

Wipers & Washers

Intermittent variable delay



H5496G

With the lever in position '1', rotate the delay switch clockwise to increase, and anticlockwise to decrease, the frequency of the intermittent wipe.

Speed-dependant mode

With the lever in position '1', speed-dependant mode is operable.

If the vehicle's speed drops below 8 km/h (5 mph) with the wipers operating, the wiper frequency automatically reduces. The wipers will switch to the next lowest operating speed. When the vehicle's speed increases to over 8 km/h (5 mph), the original wiper speed setting is restored automatically.



This setting can be configured by a Land Rover Retailer.

Speed-dependant-intermittent mode

The frequency of wiper operation in intermittent mode is also adjusted automatically according to road speed on those vehicles not equipped with a rain sensor.

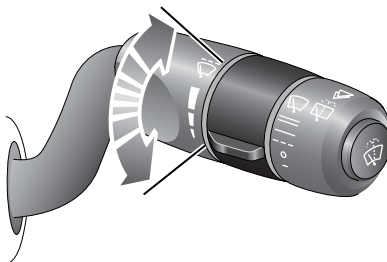
The intermittent period can be adjusted for each of the dependant modes by rotating the delay switch either clockwise or anticlockwise.



This setting can be configured by a Land Rover Retailer.

Rain sensor variable delay*

Caution: BEFORE entering an automatic car wash, ensure that the wipers are switched off - otherwise they could operate during the car wash programme and be damaged.



H5497G

The rain sensor is fitted to the inside of the windshield, immediately ahead of the rear view mirror. The sensor is able to detect varying amounts of dirt or water on the outside of the screen.

With the wiper switch in position '1', the variable delay automatically adjusts the frequency of the wiper operation according to the information supplied by the rain sensor.

You can increase or decrease the sensitivity of the rain sensor, and therefore the frequency of wiper operation, by rotating the delay switch - either clockwise or anticlockwise.

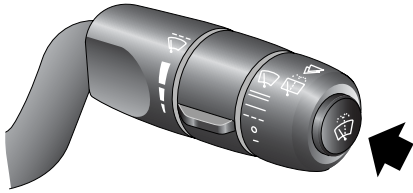
If the sensor detects constant rain, the wipers will operate continuously.

Auto park

If the starter switch is turned to the Off position while the wipers are operating, they will continue to the Park position and stop.

Wipers & Washers

FRONT WINDSHIELD WASHER



H5498G

Push the wiper stalk button to operate the front screen washer. If the button is pressed for more than 0.5 seconds, the washer will continue to operate while the button is pressed. When the button is released, the wipers will complete the current stroke and then complete two further strokes before parking automatically.

If the button is pressed for less than 0.5 seconds, only the washer will operate.

HEADLAMP POWER WASH

If the headlamps are on, and there is sufficient liquid in the washer reservoir, operating the screen washer will also power-wash the headlamps.

The headlamp power wash will operate on every fifth operation of the screen washer, provided that the headlamps are still switched on and 10 minutes have elapsed since the last headlamp wash.

Switching the headlamps off and back on again will reset the cycle.

If the vehicle is fitted with the Terrain Response system, the headlamp wash will operate every third operation of the screen washer in all Special Programs (see **Terrain Response, 199**).

Note: *In the screen washer reservoir, if the fluid level sensor detects a low level, the headlamp power wash is inhibited.*

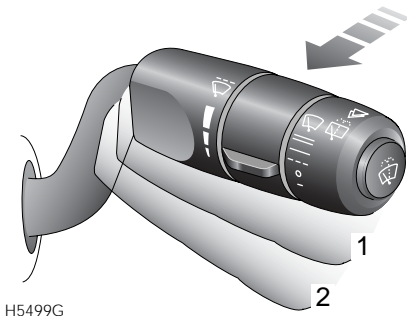
Heated washer jets

If the ambient temperature falls to a point where icing of the washer jets could occur, power is applied to heat the jets provided that the starter switch is in position 'II'.

An approved screenwash is necessary to prevent freezing in very cold weather, see **LUBRICANTS AND FLUIDS, 311**.

Wipers & Washers

REAR WINDOW WIPER AND WASHER



H5499G

Wiper - intermittent operation

Pull the lever position '1'. The intermittent delay period will vary according to the delay switch setting and with the vehicle's speed, if speed-dependant-intermittent mode has been enabled (see **Speed-dependant-intermittent mode, 112**).

Washer

Pull the lever to position '2' and hold it there. The wiper and washer will both operate. When the lever is released, the washer will stop and the wiper will complete a further two wipe cycles and then return to intermittent operation, provided that the continuous function has not been set.

Reverse gear input

If reverse gear is selected while the front wipers are operating, the rear wiper will operate accordingly

If reverse gear is selected while the rain sensor* is operational and the front windshield wipers are in use, the rear wiper will operate accordingly.

'Tailgate open' disable

If the rear wiper is switched on or already running and the tailgate is opened, the wiper will:

- stop immediately
- not start to move if it is already stationary.

If the tailgate is subsequently closed, the wiper will resume its normal operation after a delay of three seconds.

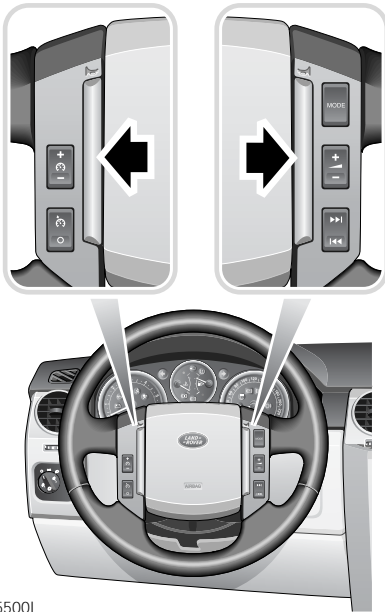
If the tailgate is open and the vehicle's speed is above 3km/h (2 mph), the wiper will operate as if the tailgate were closed.

Auto park

If the starter switch is turned to the Off position while the wiper is operating, it will continue to the Park position and stop.

Horn

HORN

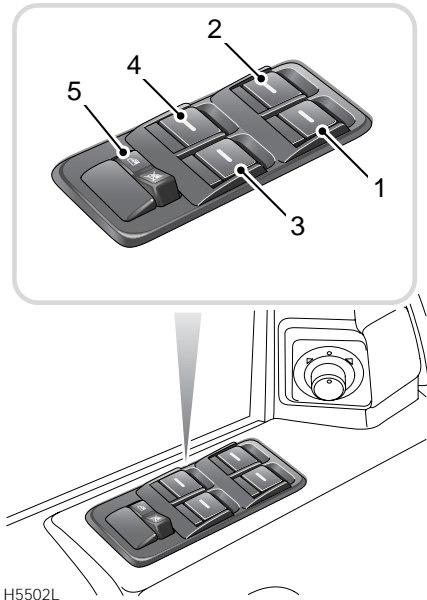


H5500L

To operate, press either of the horn switches.

Electric Windows

ELECTRIC WINDOWS



H5502L

Switch operation

1. Right-hand front window.
2. Left-hand front window.
3. Right-hand rear window.
4. Left-hand rear window.
5. Isolating switch for rear door window switches.

WARNING

Closing of an electrically operated window on fingers, hands or any vulnerable part of the body, can result in serious injury. Always observe the following precautions:

ISOLATE the rear window switches when carrying children.

ENSURE that children are kept clear whilst raising or lowering windows.

ENSURE that all adult passengers are familiar with the controls and the potential dangers of electrically operated windows.

DO NOT allow passengers to extend any part of their bodies through a window aperture while the vehicle is moving - injury from flying debris, branches of trees or other obstructions could occur.

It is recommended that the starter key be removed when leaving the vehicle in order to avoid inadvertent actuation of the power windows.

Operating the windows

The electric windows can be operated when the starter switch is at position 'I' or 'II' and for up to 40 seconds after the starter switch is turned to position '0' (provided a front door is not opened).

If a front door is opened, the windows become inoperable.

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

Electric Windows

'One touch' operation (driver's door only)

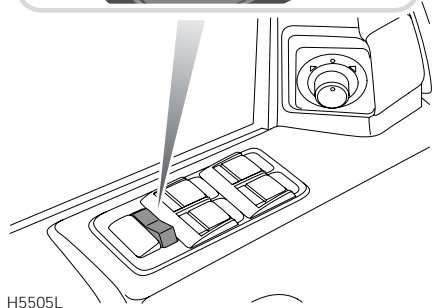
By pressing firmly (and then releasing) the switch, a window will open or close fully at a single touch. Window movement can be stopped at any time by BRIEFLY pressing the switch again.

To stop window movement during a 'one-touch' open or close operation, operate the switch in the opposite direction to which the window is travelling.

Resetting 'One touch' operation

Disconnecting the power when the window is moving will cause memory loss. To reset the memory, drive the window to the top and keep the switch pressed for one second.

Rear window isolation switch



H5505L

Press the right-hand side of the switch to isolate the window switches in the rear doors; press the left-hand side to restore independent control.

Electric Windows

Anti-trap mechanism (driver's door only)

If the anti-trap sensor detects an obstruction during window closing, the closing operation is interrupted and the window backs off.

This is a safety feature designed to help prevent inadvertent closing of a window on vulnerable parts of the body or other obstructions. Remove any obstruction and then close the window.

If, for any reason, it is required to override the anti-trap mechanism, the following procedure should be used:

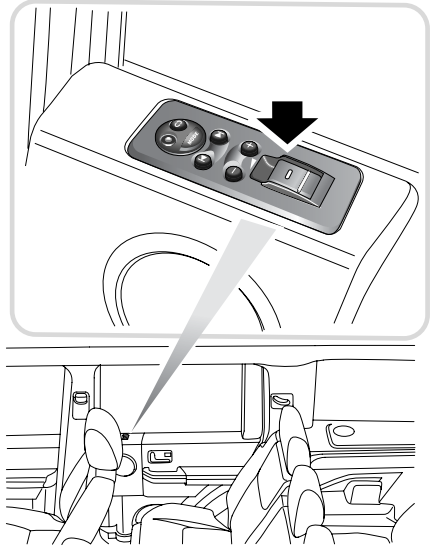
- After the initial attempt to close the window, attempt it twice more with less than 10 seconds between switch presses.
- On the next (fourth) attempt, the window will move up a short distance with increased force to override the blockage.

If this fails to remove the blockage, the anti-trap feature will be lost and must be reset.

Resetting 'Anti-trap' operation

Drive the window to the top and keep the switch pressed for more than one second. Then drive the window to the bottom and keep the switch pressed for more than one second.

Rear window operation

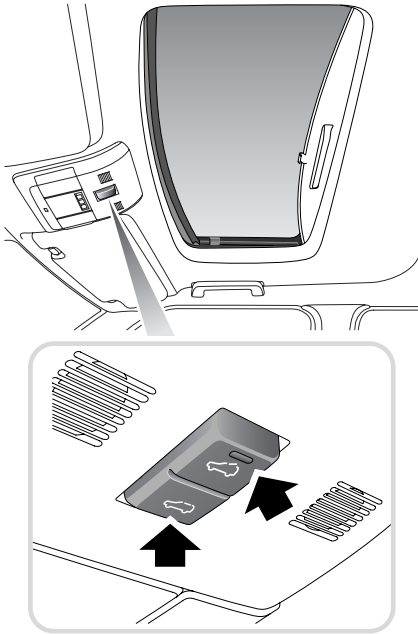


H5504G

The rear windows can also be operated from the switches on the rear passenger doors. The rear door window switches will not operate if the isolating switch in the driver's door has been activated, see **Rear window isolation switch, 117**.

Sunroof

SUNROOF OPERATION



H5507L

The electric sunroof can be operated when the starter switch is at position '1' or 'II' and for 40 seconds after position '0' has been selected, provided that neither front door has been opened.

- **To tilt the roof:** With the roof closed or partially tilted open, press the rear of the switch momentarily. The roof will move to its fully tilted position. If the starter key is not in position 'II', the switch will have to be held pressed.
- **To open the roof:** With the roof in the tilted position, press the rear of the switch once more momentarily. If the starter key is not in position 'II', the switch will have to be held pressed.

- **To close the roof:** From the open position, press the front of the switch momentarily. This will return the roof to the tilted position. If the starter key is not in position 'II', the switch will have to be held pressed. From the tilted position, press the front of the switch and hold it. The roof will fully close. Releasing the switch before the roof is fully closed will stop the movement.

Note: At any time while the sunroof is moving, a further press of the switch will stop the movement.

Caution: ALWAYS close the roof when the vehicle is unattended.

Anti-trap mechanism

If the roof encounters resistance while travelling anywhere between the fully open and the tilted positions, the closing operation is interrupted and the roof opens slightly. This is a safety feature designed to prevent inadvertent closing of the roof on vulnerable parts of the body or other obstructions. Remove any obstruction and then close the roof.

This anti-trap feature does not apply while the roof is closing from the tilted position.

WARNING

It is possible to override the anti-trap mechanism by pressing and holding the front of the switch whilst the roof is closing.

Extreme care must be taken to ensure that none of the vehicles occupants have any part of their body in a position where it can be trapped by the roof.

The override allows the roof to be closed when movement is restricted by ice or dirt.

Sunroof

WARNING

Accidental closure 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 children are kept clear and that the sunroof is not obstructed when opening or closing.

ENSURE that all adult passengers are 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 aperture while the vehicle is moving - injury from flying debris, branches of trees or other obstructions could occur.

Operation after power supply interruption

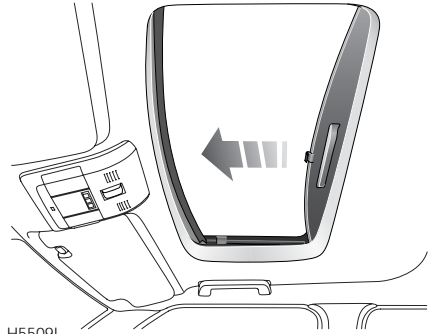
Under certain unusual, the roof may lose its calibration which will render it inoperable. If this happens, it needs to be recalibrated as follows:

- With the power supply reconnected, turn the ignition switch to position 'II'.
- Depress the front of the switch for 20 seconds. The sunroof will start to move. Continue to hold the switch until the sunroof completes one full open and closing cycle. When the roof stops moving, release the switch.

The sunroof can then be operated as normal.

Note: Calibration will not function if the battery voltage is low.

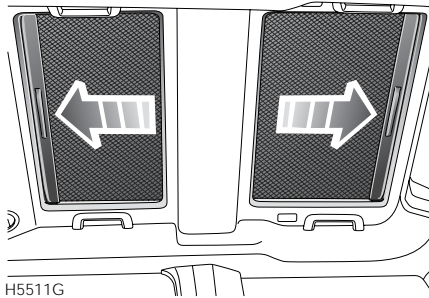
Front sunroof blind



Pull the sunroof blind, against spring pressure, across the sunroof aperture to deploy it. When it is pressed against the front edge of the aperture, it will lock into place.

To open it, push vertically on the textured part of the blind handle. Allow the blind to return under spring pressure.

Rear sunroof blinds

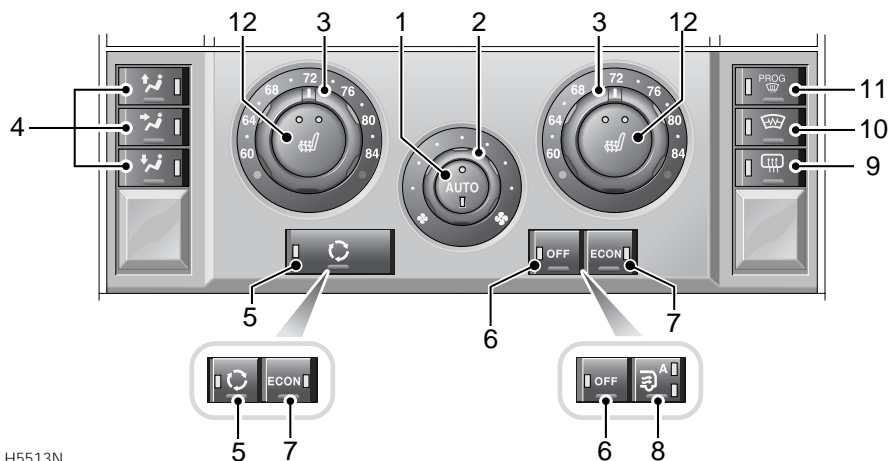


The rear sunroof blinds operate in the same way as the front one.

The blinds retract into the center roof panel between them.

Heating & Ventilation

TEMPERATURE CONTROLS



H5513N

Heating & Ventilation

OPERATION OF CONTROLS

1. Auto mode

Allowing the system to function automatically is by far the simplest method of operation for the owner and is preferable in most operating conditions.

- Press 'AUTO' (1) for fully automatic operation.
- Rotate the temperature controls (3) to select the required temperature.
- Let the automatic temperature control system do the rest.

In Auto mode, air conditioning, air distribution, blower speeds and air recirculation are adjusted automatically to achieve, and then maintain, a thermal environment consistent with prevailing conditions.

The air distribution and blower controls can be operated independently to override the automatic setting.

In this case, the appropriate indicator in the 'AUTO' switch extinguishes. The circular indicator represents the blower, the rectangular indicator represents air distribution.

Press 'AUTO' again to re-establish automatic operation.

Note: *If the air distribution and blower controls are operated independently, the system may not be able to achieve or maintain the required temperature settings.*

2. Blower control

Rotate the blower control (2) to adjust airflow through the vents.

3. Temperature controls

Rotate the controls (3) to set the required temperature for the corresponding side of the passenger compartment.

Temperatures within the range 16°C (60°F) to 28°C (83°F) can be set. The blue dot gives maximum cooling and the red dot maximum heating (depending on prevailing conditions).

Note: *Because of the mixing of air within the vehicle, the system will not achieve a temperature differential from left to right of more than 4°C (7°F).*

To obtain maximum air conditioning, rotate the temperature controls fully anticlockwise.

This mode automatically activates the air conditioning and air recirculation, and sets the blower speed at maximum and the air distribution to the face-level vents.

Note: *Rotating the temperature controls fully clockwise provides maximum heating to the foot/screen vents.*

When in stationary traffic, select 'P' or 'N' in an automatic transmission vehicle to maximise air conditioning efficiency.

4. Air distribution control

Press to select the desired distribution setting:



Windshield and side window vents



Face level vents



Foot level vents

More than one setting can be selected to achieve the desired distribution.

Heating & Ventilation

5. Air recirculation - manual



Press the button (5) once to activate air recirculation. Press the button a second time to deactivate air recirculation.

Air recirculation prohibits the entry of air from outside the vehicle, recirculating the air inside the vehicle instead. This is useful to prevent the entry of traffic fumes.

Air recirculation also significantly influences the dehumidifying and cooling performance of the air-conditioning system.

Note: *Prolonged recirculation at low ambient temperatures may cause the windows to mist.*

6. Off



Press to switch the system off; the indicator in the switch will illuminate to show this condition.

Pressing the button again returns the system to its previous mode.

7. Economy mode



With the engine running, press the button (7) to put the air conditioning system into

'Economy' mode. This reduces the power consumed by the system.

8. Rear environment*



The rear supplementary heating/cooling unit is located behind the left-hand-side rear quarter panel and provides

supplementary heating and air conditioning to the rear passengers. Do not obstruct the louvres on the side of the quarter panel.

Automatic: Pressing the button once activates automatic 'mimic' mode in which the comfort level of the rear passengers is controlled by the front system.

The upper amber light will be illuminated.

Manual: Press the button a second time to pass control to the rear passengers via a secondary control panel (see **REAR PASSENGER CONTROLS***, 126).

The lower amber light will be illuminated.

Off: Pressing the button a third time switches the feature off.

9. Heated rear screen



Press to operate.

Note: *Heated front and rear screen functions are only available while engine is running.*

Caution: **DO NOT** stick labels over the heating elements on the rear screen, and **DO NOT** scrape or use abrasive materials to clean the inside of the rear screen.

10. Heated windshield*



Press to operate. If the vehicle is not fitted with a heated windshield, this button will be

blank.

Heating & Ventilation

11. Defrost mode



If the windshield is misting or covered in ice, press button (11) to activate the automatic defrost programme; the system will immediately direct its output to achieve maximum screen clearing by:

- setting the blower speed to an appropriate level.
- distributing air flow to the screen only.
- deactivating air recirculation (in certain circumstances).

In addition, the rear and front* screen heaters will be switched on (or their timed operating cycle will recommence if they are already switched on).

Press the button a second time (or select 'AUTO' or any air distribution control) to leave the Defrost mode. Heated screens will remain on until their time-out period has expired.

12. Front seat heaters*



Press the left or right button once to operate the relevant seat heater at a high level, press twice to heat the seat at a lower level. For further information concerning the operation of both front and rear seat heaters, please refer to **SEAT HEATERS, 125**.

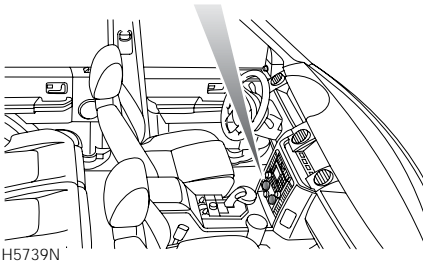
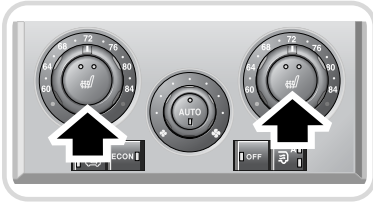
Note: *If the vehicle is not fitted with front seat heaters, these buttons will be blank.*

General Notes

- For optimum operating efficiency, ensure all the air vents (including those in the rear of the vehicle) are open.
- For the automatic temperature control system to function efficiently, all windows (and the sunroof) should be closed, and the air intake vents free from ice, snow, leaves or other debris.
- In very humid conditions, slight screen misting may be experienced when the air conditioning system is turned on. This is a natural occurrence on most automotive air conditioning systems. It is not a fault and misting will clear after a few seconds once the air conditioning system is operating.
- The air conditioning compressor will not function unless the engine is running.
- Surplus water produced by the dehumidifying process is expelled from the system via drain tubes beneath the vehicle. This may result in a small pool of water forming on the road when the vehicle is stationary and is not a cause for concern.

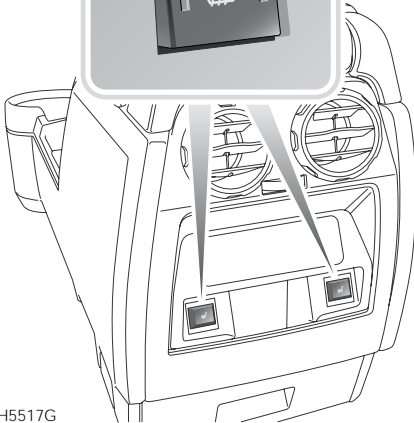
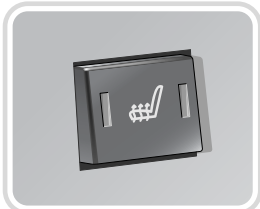
Heating & Ventilation

SEAT HEATERS



H5739N

Front seat heaters



H5517G

Rear seat heaters

With the starter switch turned on, the seat cushion and seat back can be heated at two different levels.

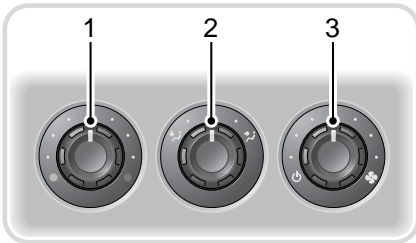
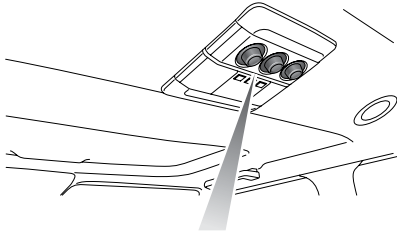
- Press once to operate at a high level (both indicators illuminate).
After a period based on cabin temperature, the high level will end and one light will extinguish.
- Press twice to heat the seats at a lower level (right-hand indicator extinguishes).
- Press the switch a third time to turn off the heater manually (both indicators will extinguish).

The seat heaters are thermostatically controlled and will operate to maintain a factory-set temperature. The indicators in the switches will remain illuminated until the heaters are manually turned off, the high level has timed out, or the engine is turned off.

Caution: The seat heaters consume considerable power from the battery. For this reason, they should **ONLY** be operated while the engine is running.

Heating & Ventilation

REAR PASSENGER CONTROLS*



H5518G

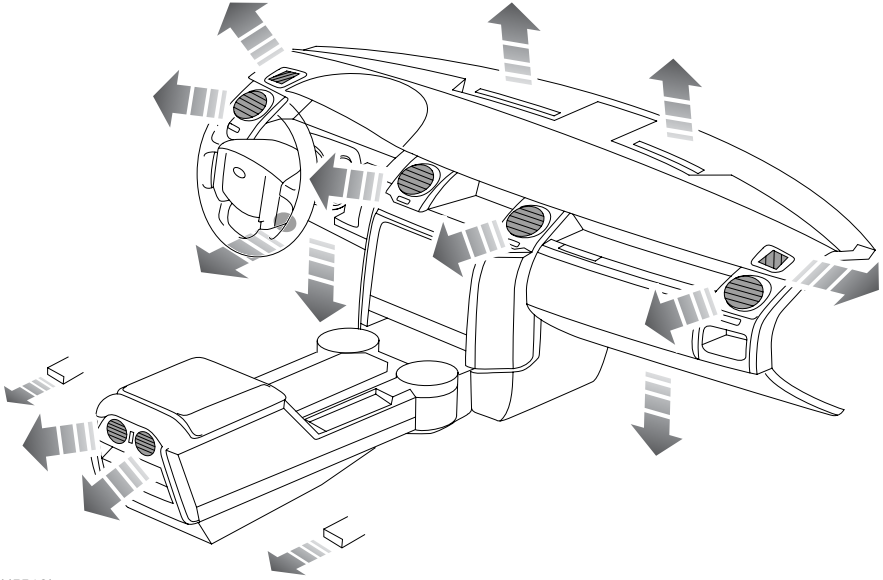
1. Temperature control. As the knob is turned to fully clockwise (red dot) the temperature of the incoming air will increase.
2. Distribution control. With the knob turned fully anticlockwise, incoming air will be directed to the lower outlet on the left-hand trim panel for third row seats*; fully clockwise will direct air to the passengers' faces.
3. Blower control. As the knob is turned to clockwise, the speed of the air blower increases.

Note: The panel is only active when the Rear Environment button on the front control panel is set to Manual mode.

The graphics will be back-lit when the panel is active (visibility dependent upon background light levels).

Heating & Ventilation

VENTILATION



H5519L

The ventilation system provides fresh, conditioned and/or heated air to the interior of the vehicle from the air intake grille in front of the windshield.

Note: Always keep the air intake grille clear of obstructions such as leaves, snow or ice.

Air outlets are provided to the windshield, face, lap (driver only) and feet - the location of these vents is shown in the illustration above. The temperature of the air supplied to the vents is controlled by the heater.

Combined Filter*

Vehicles fitted with automatic temperature control have a combined carbon and particulate air filter.

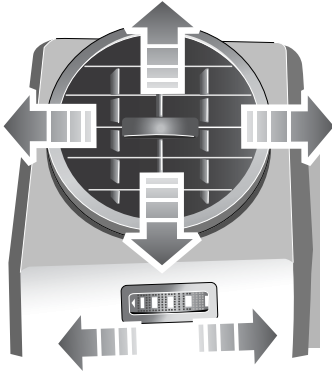
The carbon layer reduces the level of odours coming through the heater system from outside.

Heating & Ventilation

Air Vents

Air temperature from all vents is controlled by the temperature settings of the heater.

Face level vents

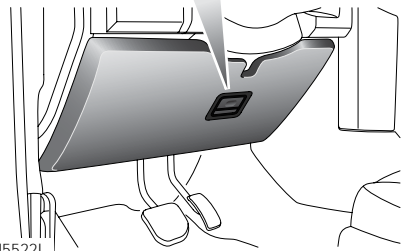
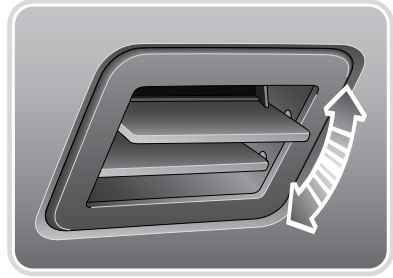


H5521G

Direct the air flow by moving the control in the center of the louvres. Rotate the thumbwheel towards the right to fully open, or the left to fully close the vents.

To ensure best ventilation and minimum noise, the vents should be fully open when the air distribution control is set to face level.

Driver's Lap Vent

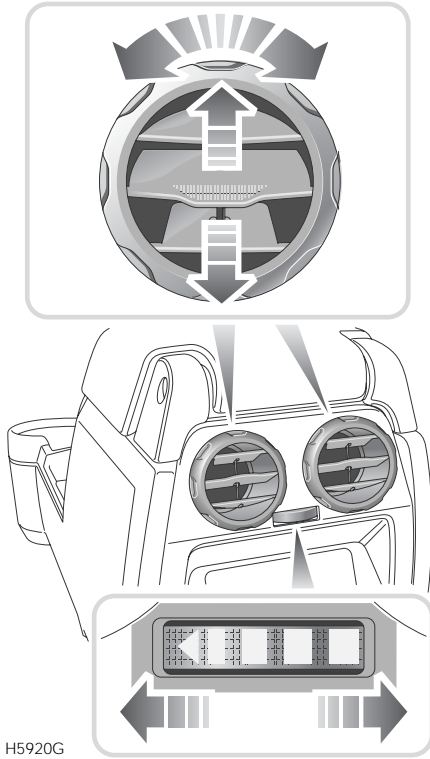


H5522L

Airflow can be directed to the driver's lap via an outlet located below the steering wheel. Control the airflow by adjusting the louvres.

Heating & Ventilation

Center console rear vent controls



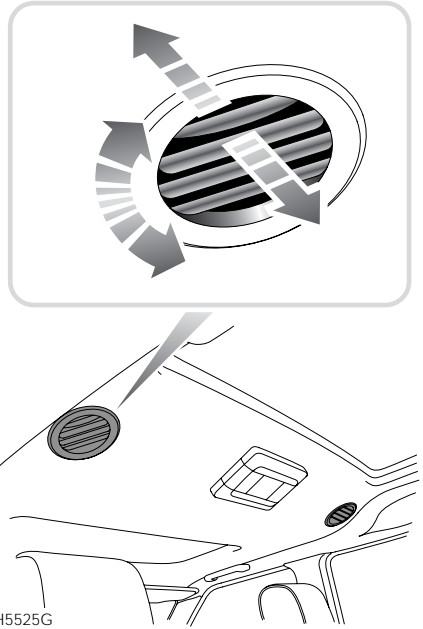
H5920G

Move the louvers to adjust the direction and volume of airflow. Rotate the bezel to direct the air flow.

Note: The temperature cannot be set by the rear occupants.

Rear upper vent controls*

Second row of seats only.



H5525G

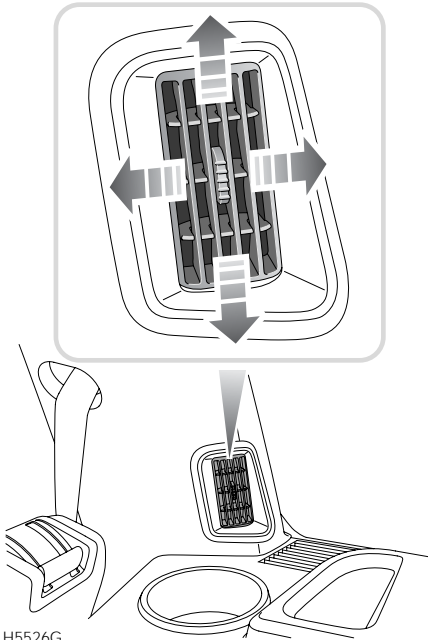
Press the ridged portion of the louvers to open and adjust the direction and volume of air.

Rotate the louvers to direct the air flow.

Heating & Ventilation

Rear pillar vent controls*

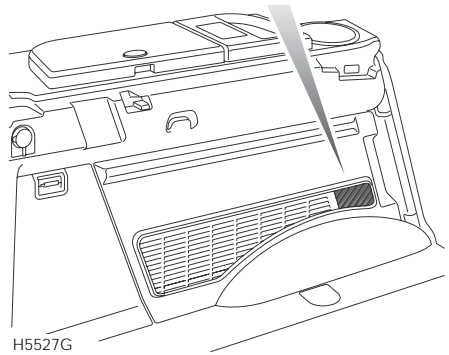
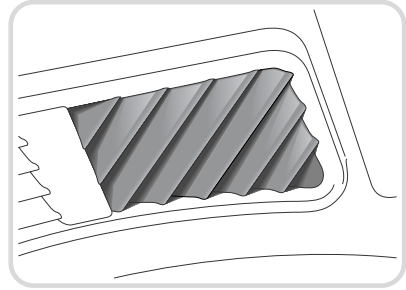
Third row of seats only



H5526G

Direct the airflow by moving the control in the center of the louvres.

Third row seats vent*



H5527G

A fixed louvre outlet on the left-hand side rear quarter panel provides airflow to the lower third-row seat area.

Interior Equipment

INTERIOR LAMPS

The vehicle's interior lighting falls into two categories:

- Courtesy lighting consists of approach lamps*, dome lamps, footwell lamps, puddle lamps, ignition glow ring and loadspace lamps. They enable safe entry into, or exit from, the vehicle in low light conditions without the need to switch on individual lamps.
- Demand lighting consists of interior lamps, dome lamps, map lamps, glovebox and vanity mirror lamps. They offer lighting at the touch of a switch, usually part of the lamp fitting.

Courtesy lighting

Front footwell lamps*

These illuminate the front footwell areas of the vehicle.

Puddle lamps*

These are located in the bottom edge of the doors and illuminate the ground close to the doors when the doors are opened.

Ignition glow ring

This surrounds and illuminates the starter key slot.

Loadspace lamp

These illuminate the rear loadspace area during entry to and exit from the vehicle, also when the tailgate is opened.

Automatic activation

All of the courtesy lighting comes on when:

- The position of the starter switch is changed to '0' from 'I' or 'II'.
- Any door, including the upper tailgate is ajar.
- The vehicle receives an unlock signal.
- Row 1 dome lamp button is pressed.

The courtesy lamp feature automatically turns off these lamps if:

- 60 seconds (customer adjustable) have elapsed since the courtesy lamps were activated.
- 60 seconds (customer adjustable) have elapsed since the last door was closed.
- the starter switch is switched to 'II' with all doors closed.
- the last door is closed after the car is externally locked.

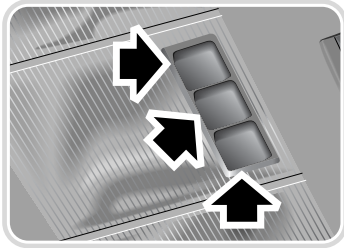
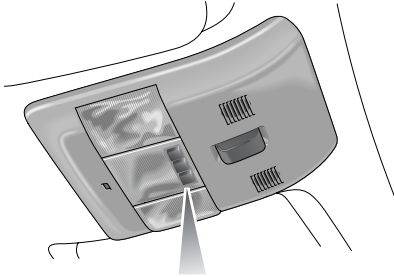
A battery-saving feature turns off all interior lamps 15 minutes after the starter switch has been turned from 'II' or 'I' to '0'. This timing feature will be restarted if any of the automatic switch-on criteria occur.

Collision illumination

In the event of a collision occurring at a speed of less than 5 km/h (3 mph), all of the courtesy lamps (except approach lamps) will be turned on.

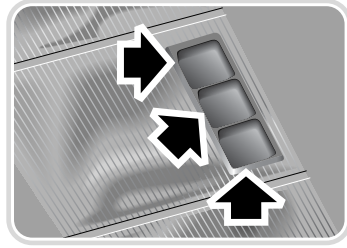
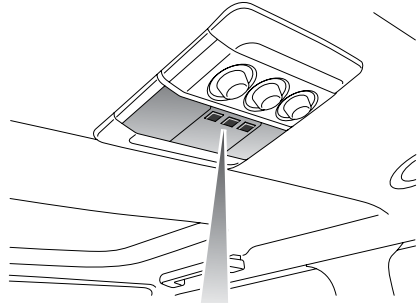
Interior Equipment

Interior lamps



H5528G

The front interior lamps are grouped together centrally above the front windshield.



H5529G

The rear interior lamps are grouped together in the roof above the second row of seats. This fitment may include the rear air conditioning controls*.

All of these lamps are switched on by pressing the switch adjacent to the lamp required.

It is possible to deactivate automatic operation of all of the courtesy lamps by pressing the front centre switch. The message 'INTERIOR LIGHTS OFF' will flash in the Message Center*.

To switch the lamps off without disabling automatic mode, briefly press the centre switch.

To enable automatic mode press the front centre switch for more than three seconds. The message 'INTERIOR LIGHTS AUTOMATIC' will flash in the message centre*.

Interior Equipment

Dome lamps

The dome lamps (center) are both courtesy and demand lamps. Pressing the front dome lamp switch brings on both front and rear dome lamps, regardless of starter switch position.

Map lamp operation

Press the required map lamp switch (outer lamps) to turn on and off.

Glovebox lamp

Illuminates automatically whenever the glovebox is opened and extinguishes when the glovebox is closed.

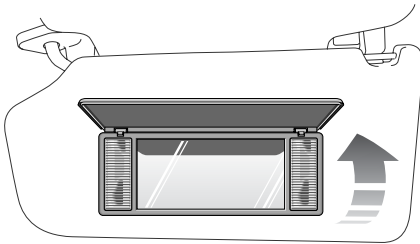
Vanity mirror lamps*

The vanity mirror lamps are turned on when the corresponding vanity mirror cover is opened and turned off when it is closed.

Low-level Night-time Illumination*

With the main lighting switch turned to sidelamps or headlamps, LED's in the front interior lamp provides very low level illumination. The level of illumination can be adjusted using the instrument pack illumination dimmer switch.

Low level lighting provides very limited illumination for the interior of the vehicle, whilst the vehicle is being driven, without affecting the driver's night vision.



H5530G

Pivot the sun visor downward and raise the cover on the vanity mirror to illuminate the mirror. Close the cover to extinguish the lamps.

Note: Map lamps, glovebox lamps and vanity mirror lamps will extinguish automatically after 15 minutes to prevent battery drain provided that the starter switch is in position '0' and the key has been removed.

Interior Equipment

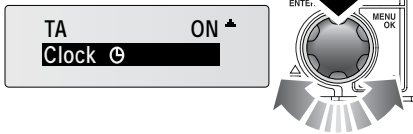
CLOCK

Setting the time - Standard audio

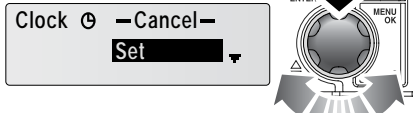
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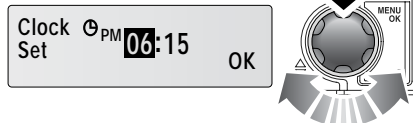
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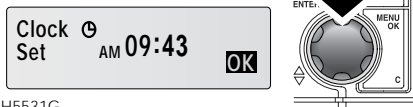
3



4



5



H5531G

To adjust the time:

1. Switch on the radio and press the 'MENU' button.
2. Rotate the rotary control clockwise until the word 'Clock' appears. Press the control.
3. Rotate the control to reveal 'Set' and press the control again.
4. After selecting 'Set' the display shows the hour setting. Rotate the control to change the hour setting, or press it to accept it.
5. The display then shows the minute setting. Rotate the control to change the minute setting, or press it to accept it.

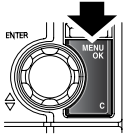
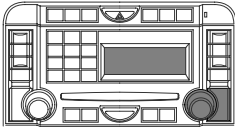
The display then highlights 'OK'. Press to accept this.

Note: The clock will remain illuminated for ten minutes after the starter key is turned to position '0'.

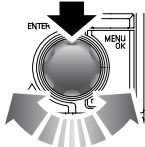
Interior Equipment

Setting the time - Premium audio

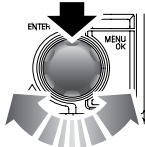
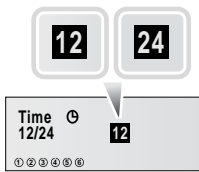
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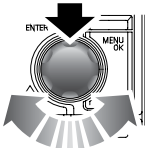
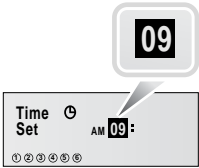
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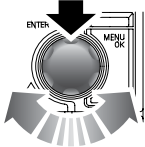
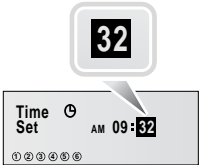
3



4



5



H5800G

To adjust the time:

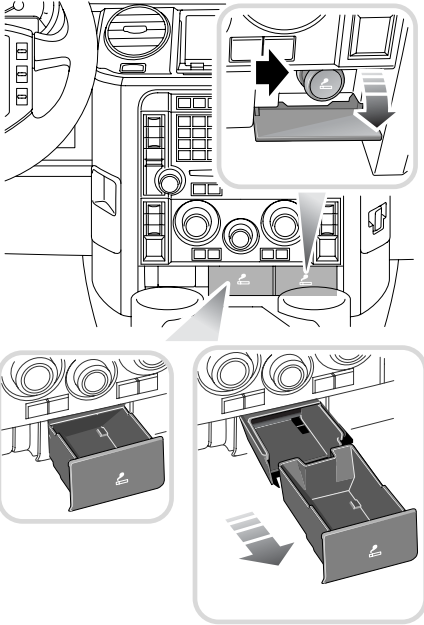
1. Switch on the radio and press the 'MENU' button.
2. Rotate the rotary control clockwise until the word 'Clock' appears. Press the control again.
3. Rotate the control and then press it to select the 12 or 24 hour scale or to 'Set' the time.
4. After selecting 'Set' the display shows the hour setting. Rotate the control to change the hour setting, or press it to accept it.
5. The display then shows the minute setting. Rotate the control to change the minute setting, or press it to accept it.

Note: The clock will remain illuminated for ten minutes after the starter key is turned to position '0'.

Interior Equipment

SMOKERS' EQUIPMENT

Cigar Lighter*



H5533L

Push the center of the faceplate and it will lower to reveal the lighter.

With the starter switch turned on, 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. Use the accessory sockets provided.

After use, push the lighter back in to the first position and lift up the faceplate.

Ashtrays*

Push the bottom edge of the ashtray cover to open (lower left inset).

To remove the ashtray, open fully, then pull the ashtray forwards.

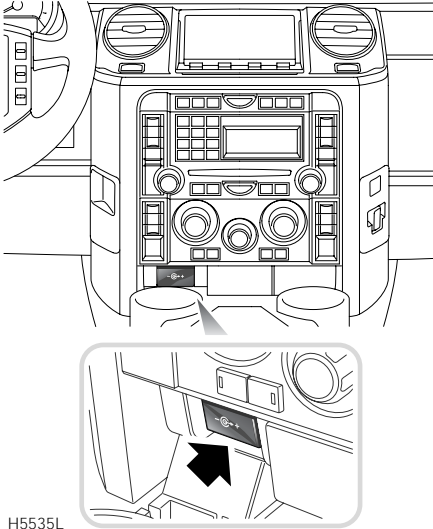
WARNING

DO NOT use the ashtrays for disposing of waste paper or other combustible items.

Interior Equipment

AUXILIARY POWER SOCKETS

Front auxiliary power socket

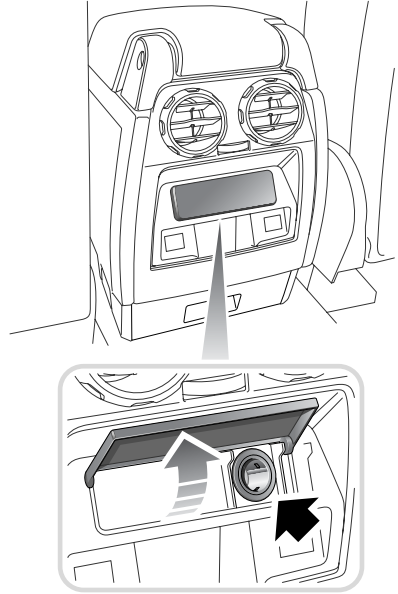


H5535L

An auxiliary power socket is mounted in the front console.

Pull down the hinged cover to access the socket. When released, the cover will return to its closed position.

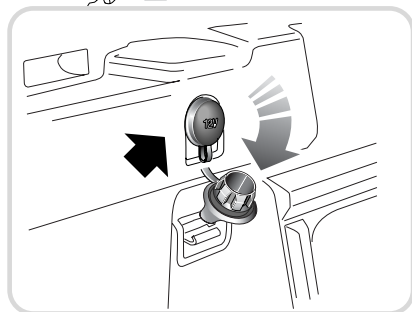
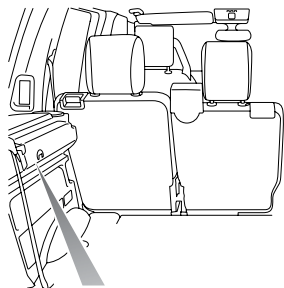
Rear auxiliary power sockets



H5537G

Another power socket is located on the rear face of the cubby box.

Interior Equipment



H5538G

On 7-seat vehicles, a third power socket is fitted in the left-hand-side trim in the loadspace area.

Using a power socket

The power sockets can be used to power Land Rover approved accessories that use a maximum of 180 Watts.

WARNING

NEVER plug non-approved accessories into a power socket - damage to the vehicle's electrical systems could occur and could result in a fire.

Caution: Always run the engine during prolonged use of electrical accessories, otherwise the battery may become discharged.

CUP HOLDERS

WARNING

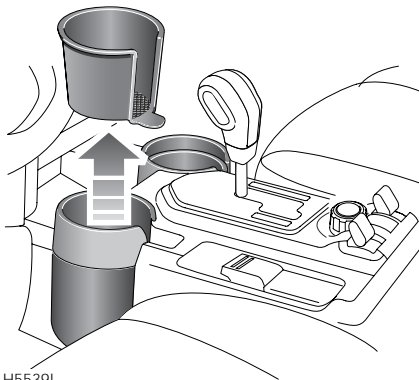
The driver should not drink and should not use the cup holder while driving.

If the cup holder is retractable, it should be kept closed when not in use.

Do not carry open-top drink containers in the cup holders while the vehicle is in motion; a spilled hot drink could cause personal injury. Spilled drinks can also damage upholstery, carpeting and electrical components.

Use only for soft containers. **DO NOT** use to hold cups made of glass, china or hard plastic, as these may cause injury in the event of an accident or emergency manoeuvre. Unopened, sealed containers (drinks cans, for example) are hard objects and may also cause injury.

Front seat cup holders*

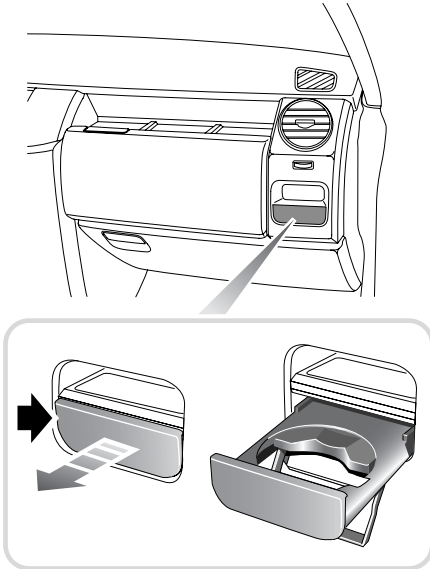


H5539L

The inner core of the front passenger's cup holder can be lifted out for cleaning or to make a holder for a larger drinks container.

Interior Equipment

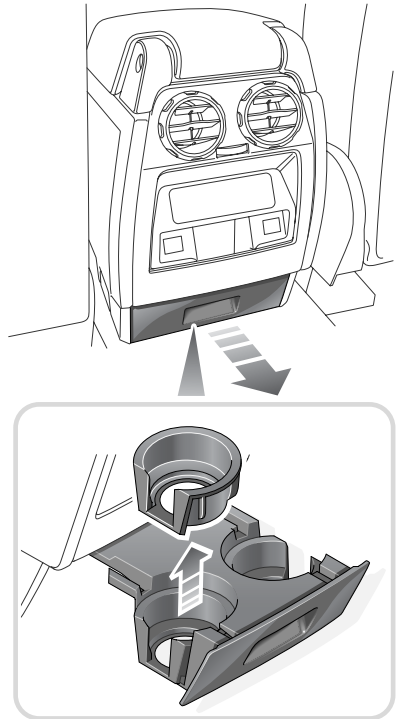
Front passenger's cup holder*



H5928L

Push in the cup holder and allow it to spring out. Push again to close it.

Second-row seats cup holders



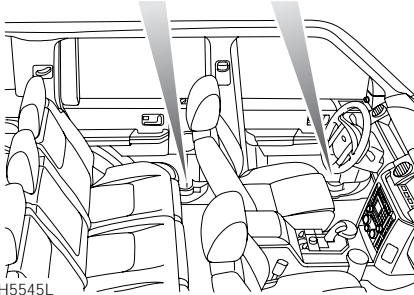
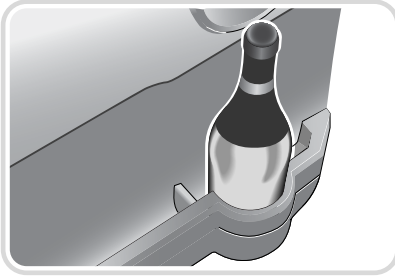
H5543G

The cup holders for the occupants of the second-row seats are in the center console. Pull out the tray to gain access to the cup holders. Press in again to close.

The inner cores of the cup holders can be lifted out for cleaning or to make a holder for a larger drinks container.

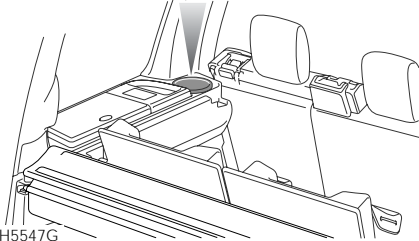
Interior Equipment

Door holders



H5545L

Rear compartment cup holders



H5547G

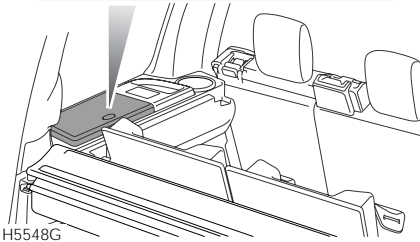
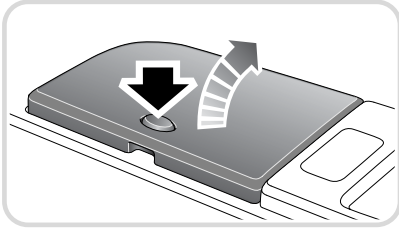
WARNING

Do not carry any open-top drinks containers in the cup/bottle holders whilst the vehicle is in motion; a spilled hot drink could cause personal injury. Spilled drinks can also damage upholstery, carpeting and electrical components.

Use only for soft containers. DO NOT use to hold cups or bottles made of glass, china, or hard plastic, as these may cause injury in the event of an accident or emergency manoeuvre. Unopened, sealed containers (drinks cans, for example) are hard objects and may also cause injury.

Interior Equipment

REAR STORAGE BINS



H5548G

In the side panels of the loadspace are storage bins.

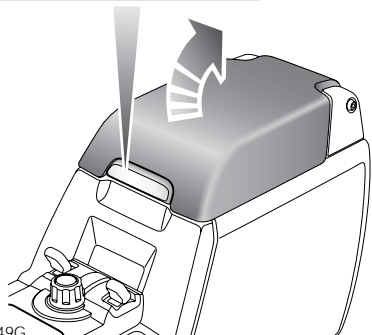
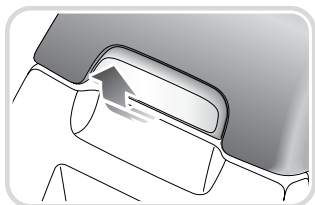
Press the catch and lift the lid for access.

WARNING

DO NOT wedge the lid in an open position as this may restrict the deployment of the rear airbags.

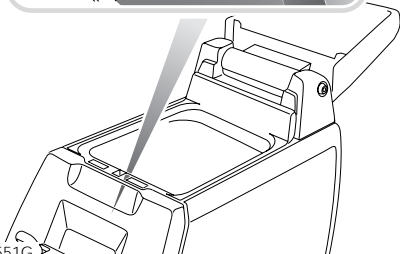
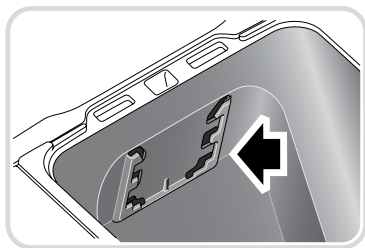
Interior Equipment

CUBBY BOX



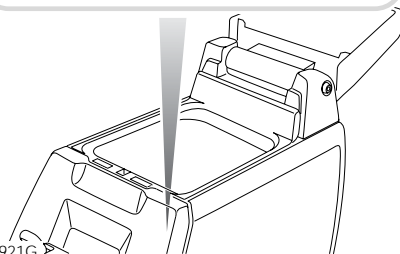
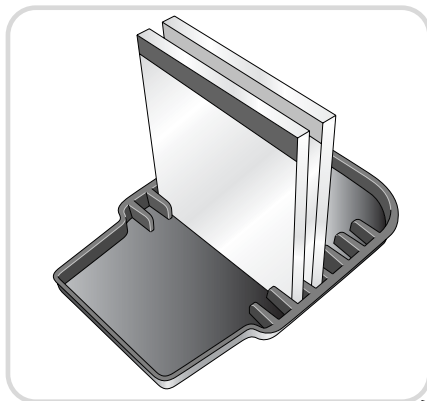
H5549G
Lift the catch at the front of the cubby box lid to access the main cubby box.

Card Holder*



H5551G
A clip is provided on the front inside face of the cubby box to hold a credit/toll card.

CD storage



H5921G

A rubber mat in the bottom of the cubby box is designed to hold CD cases and is removable for cleaning.

Interior Equipment

COOL BOX*

When fitted, the cool box replaces the cubby box.

The cool box is switched on/off using the switch on the inside front lip of the cool box. This switch has a built-in indicator which will illuminate to show that the cool box is operating.

If the indicator does not illuminate when the cool box is switched on, or it goes out while the cool box is operating, this means that the battery voltage is low and the cool box has switched itself off. This will only happen when the engine is not running.

If the engine is started, the indicator will illuminate and the cool box will continue to operate.

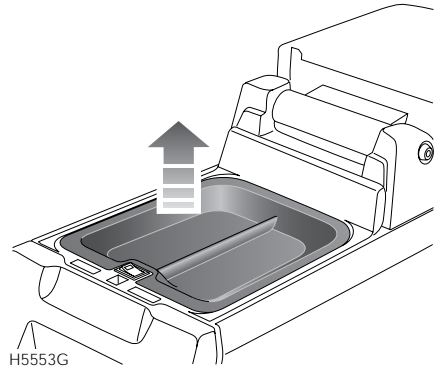
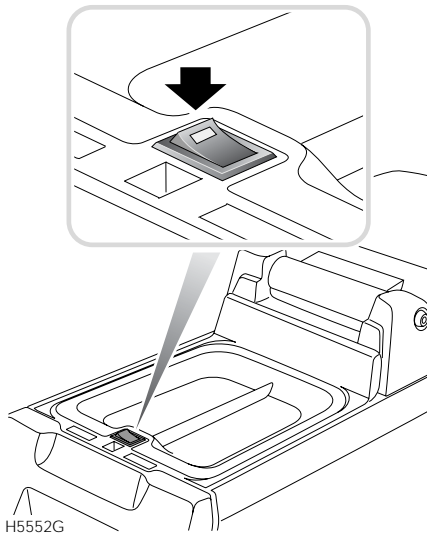
The cool box should be left switched off when it is not needed to protect the vehicle's battery.

The tray on top of the cool box should always be in place to ensure maximum cooling performance. This tray can be inverted to allow for the storage of taller containers while still maintaining the sealing.

The tray can be clipped onto the inside of the main lid when not required.

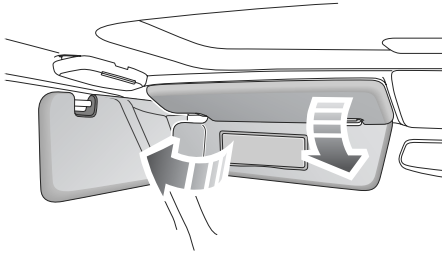
The cool box is most effective when filled with cold or pre-chilled items.

The cool box must be cleaned regularly to remove any condensation or contamination that could lead to odours.



Interior Equipment

SUN VISOR



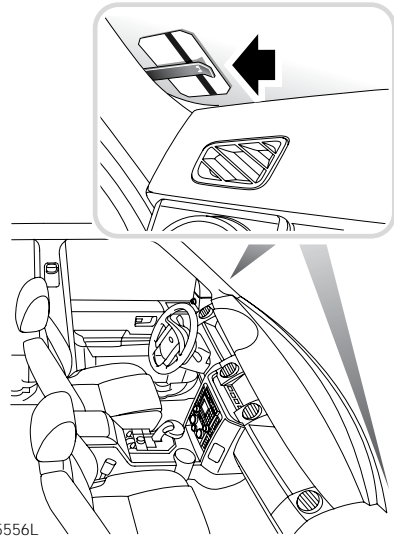
H5554L

Pivot the sun visor downward to reduce sun glare through the front windshield. If required, the visor can then be pivoted towards the side window to reduce sun glare from that side of the vehicle.

Vanity Mirror*

Lifting the cover of the vanity mirror switches on the lamp; closing the cover switches off the lamp.

TICKET HOLDER



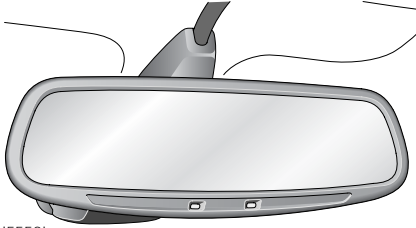
H5556L

At the lower edge of each side of the windshield is a clip to retain a car park stub.

Interior Equipment

REAR-VIEW MIRRORS

Auto-dip rear-view mirror*

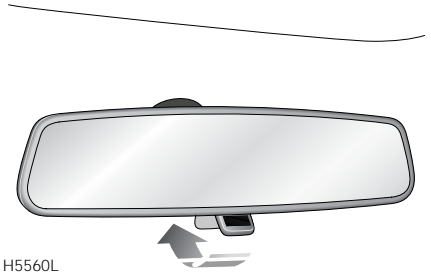


H5558L

On some models, the vehicle is equipped with an electrochromatic dimming function that 'dims' the mirrors to reduce glare from the headlamps of following vehicles at night.

This function does not operate when reverse gear has been selected.

Manual rear-view mirror*



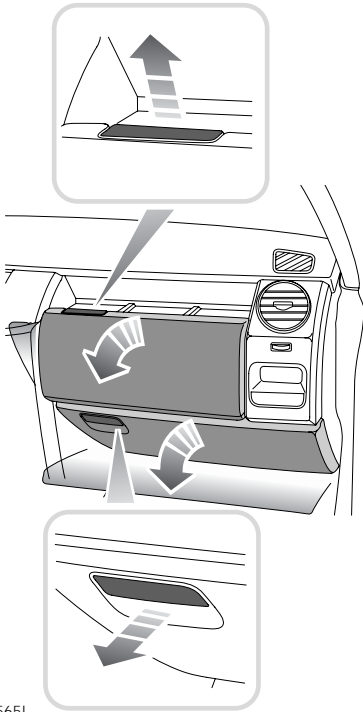
H5560L

Adjust the mirror manually to suit.

Moving the lever at the bottom of the mirror forwards or backwards changes the mirror's position to and from dimmed.

Interior Equipment

GLOVEBOX

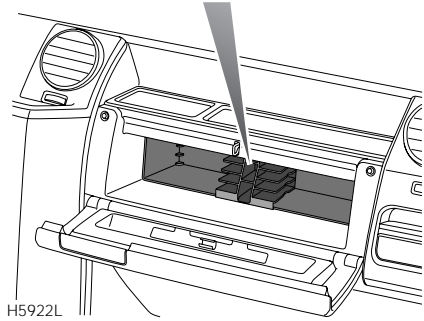
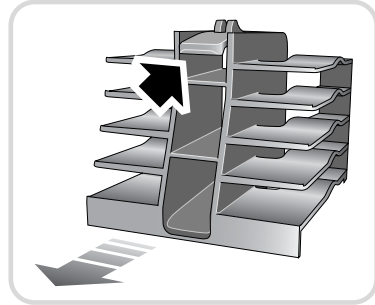


H5565L

Lift the release catch (arrowed in top inset) to open the upper glovebox. The lid will naturally be returned by a spring to its closed position. It should be pushed fully closed.

Pull the release catch (arrowed in bottom inset) to open the lower glovebox. Close the lid by pushing it until it clicks.

CD storage*



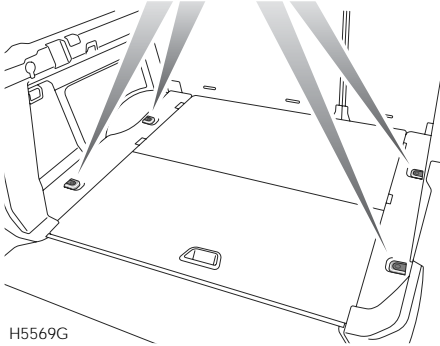
H5922L

If the cool box option is fitted the glovebox is fitted with a storage rack for CD cases.

The rack can be removed by pressing down the lock tab, and pulling the rack out of the glove box.

Interior Equipment

LUGGAGE ANCHOR POINTS



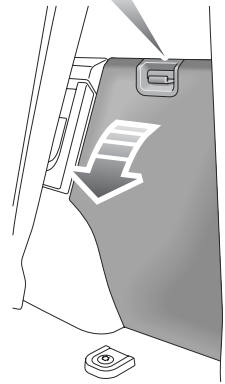
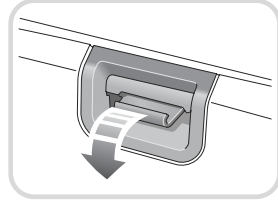
H5569G

Four fixing points are provided in the rear loadspace floor, to assist in safely securing large items of luggage. Land Rover provide a range of approved luggage retention accessories.

WARNING

DO NOT carry unsecured equipment, tools or luggage, which could move and cause personal injury in the event of an accident or emergency manoeuvre either on or off-road.

REAR LOADSPACE ACCESS HATCH



H5570G

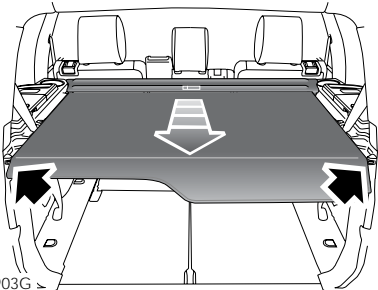
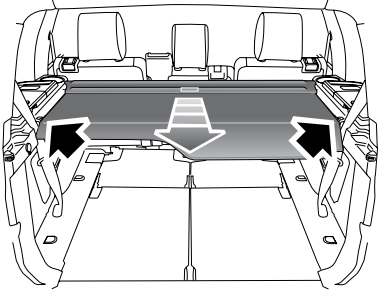
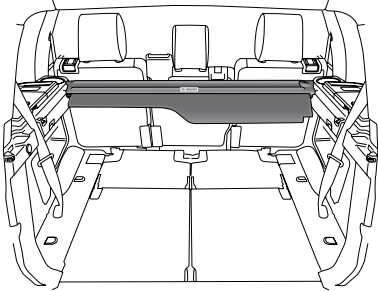
There are access hatches on both sides of the rear loadspace. On seven-seater models the right-hand side hatch gives access to the toolkit and the left-hand hatch gives access to the tow bar*.

Pull down the catch (upper inset) and pull the hatch away from the side of the vehicle.

When refitting the hatch, ensure that it is securely and correctly fitted before driving.

Loadspace Cover

LOADSPACE COVER



H5903G

The loadspace cover is a tray unit with a roller-blind type of cover which can be extended to cover the rear loadspace.

The loadspace cover cartridge can be placed at either end of the loadspace. The foremost fitting is close behind the second row of seats; the rearmost is behind where the third row of seats are in a seven-seat vehicle.

To operate the loadspace cover

1. Pull the rigid portion of the blind to unroll the cover.

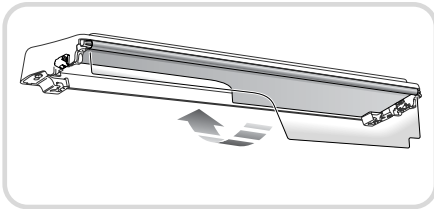
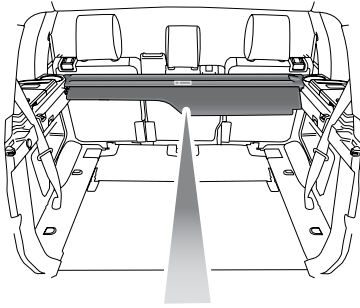
Caution: When retracting the cover ensure that nothing is left on top. If any items are left on top, including paper or fabrics, they may be drawn into the mechanism and cause it to jam.

2. Engage the end pieces into the recessed features moulded into the loadspace sides.

Caution: If the cover is damaged in any way it should not be used as the damaged area may prevent the cover from operating correctly.

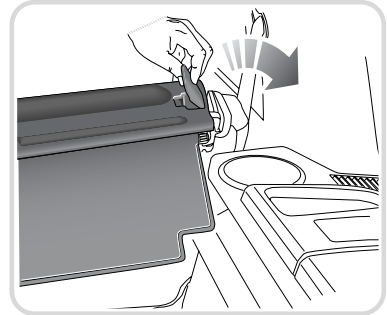
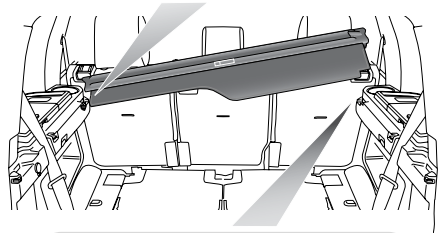
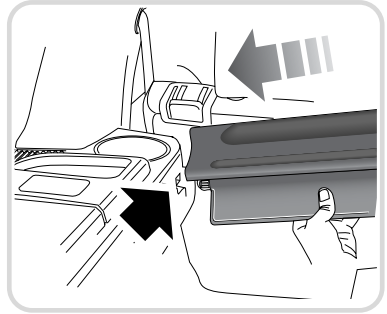
Loadspace Cover

To remove the deployed loadspace cover



H5904G

1. Disengage the ends from the recess and fully retract the cover into the tray unit.
2. Fold the rigid portion of the blind back under the unit and press until the edge engages and is retained.



H5907G

3. Pull up the paddle at the right-hand end of the cartridge; this disengages the locking bolt. Lift the right-hand end of the unit and pull it a way from the opposite loadspace side.

It is easier to do this if the second row seat backs have been tipped forward.

4. Installation of the cartridge is the reverse of the removal procedure above.

Loadspace Cover

WARNING

When fitting the cartridge in position ensure that the paddle returns to the flush (horizontal) position. Failure to do so may allow the cartridge to move when the vehicle is in motion.

5-seat vehicle

When the loadspace cover is removed, it must be stored away from the vehicle.

WARNING

DO NOT store the loadspace cover loose in the vehicle.

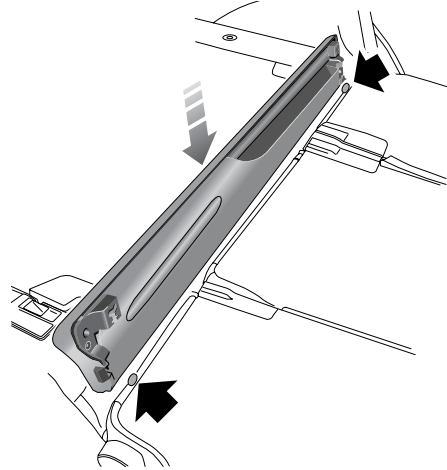
7-seat vehicle

When fitted into the rearmost position in the loadspace sides, the third row seats must be deployed.

WARNING

Never fit the loadspace cover behind the second row of seats if the third row is to be occupied. Access to and from the third row seats will be severely hampered.

If the loadspace cover is removed from a 7-seat vehicle in order to maximise the loadspace area by folding down both second and third rows of seats, the unit can be stowed in the gap between the folded-flat second and third row seats.



H5574G

This is done by lowering the unit into the gap between the rows of seats and engaging the unit's receivers onto the studs protruding from the outboard portions of the outboard second-row seat-backs.

WARNING

Do not attempt to raise the second-row seats into the upright position, or tip them forward for third-row access, while the loadspace cover is in this stowed position as damage will occur.

Remove the stowed unit before moving the seats.

DO NOT carry loose items of luggage on top of the loadspace cover - these may damage the cover or obscure vision, and could become dangerous projectiles in the event of a sudden stop or collision.

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

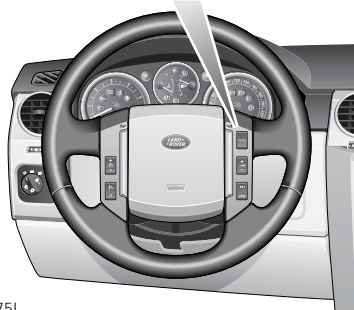
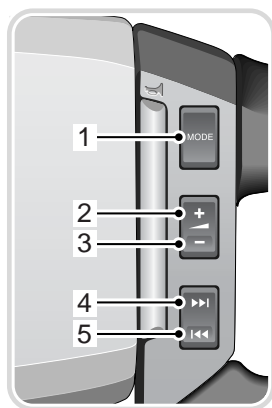
Audio System

RADIO ANTENNA

The antenna is etched onto the surface of the glass of the left-hand rear side window.

No maintenance is possible; however it is important to ensure that the interior surface of the glass is protected from possible damage caused by contact with hard objects or from the injurious effects of abrasive cleaners.

AUDIO REMOTE CONTROLS*



H5575L

1. Audio Mode switch

Press to change audio modes (radio to CD for example).

2. Volume increase control

Press to increase volume.

3. Volume decrease control

Press to decrease volume.

4. Search forward/ track select control

Press to change to the next radio station on the waveband.

During CD play, press the control to move forward to the next track. Operate the control repeatedly to move forward through several tracks at a time.

5. Search backward/track select control

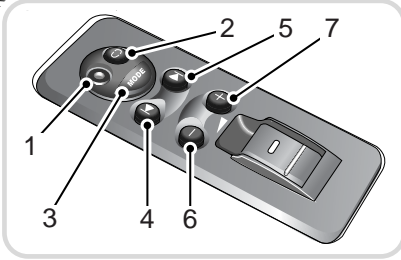
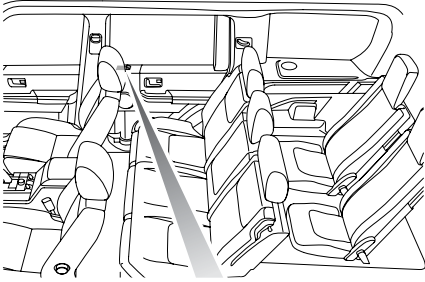
Press to change to the previous radio station on the selected waveband.

During CD play, press the control to move backward to the beginning of the current track on the disc. Operate the control repeatedly to move backwards through several tracks at a time.

Audio System

PASSENGER CONTROLS

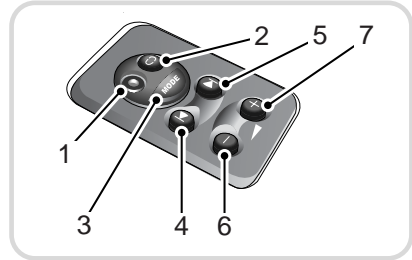
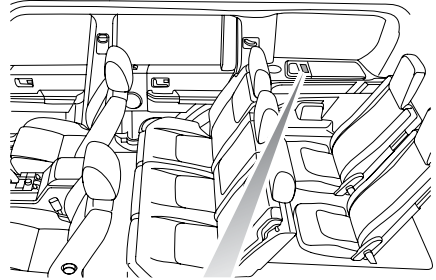
Audio system controls are available to the passengers.



H5577G

Second-row-seat passenger controls

Adjustments can only be made to parts of the audio system not already controlled by the main audio source, e.g. if the radio is selected on the main audio source, a CD can also be played and controlled by a passenger in the second or third row seats.



H5578G

Third-row-seat passenger controls

1. Headphone jack
2. Repeat
3. Mode
4. Seek down
5. Seek up
6. Volume down
7. Volume up

In-Car Telephones

IN-CAR TELEPHONES

For your safety, always note the following precautions before fitting an in-car telephone, or any mobile communication equipment.

- Only use an installation kit incorporating an aerial external to the vehicle.
- Ensure that the installation is carried out by a competent installer and that the installer is aware of the Airbag SRS System.

For your safety

WARNING

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

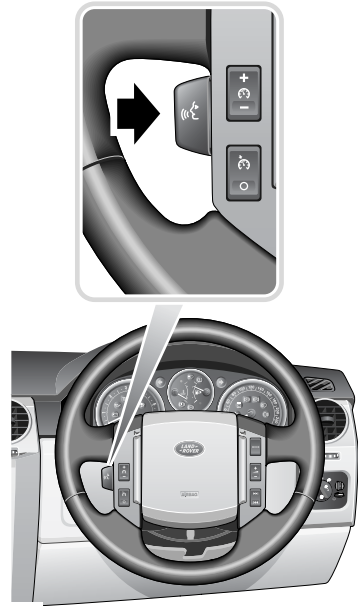
Voice Recognition

VOICE RECOGNITION*

Voice control provides a safe and convenient way of operating the audio system without the need to operate the controls manually. This enables you to concentrate fully on driving the vehicle, and removes the need to divert your attention from the road ahead in order to change settings, or receive feedback from the system.

A number of voice commands are available, and with a little experience you will find them easy and convenient to use. Whenever you issue one of the defined commands with the system active, the voice control system converts your command into a control signal for the audio system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Activating the system



H5786R

To activate voice control:

- Briefly pull the control paddle (your Audio will mute at this point). A brief acoustic signal will be heard, and 'LISTENING' will be displayed on the main message centre to indicate that the system is now waiting for a voice command.

Note: It is only necessary to use the steering wheel voice control paddle at the beginning of each voice session.

Voice Recognition

Defined voice commands

The voice control system understands predefined commands which need to be quoted word for word.

An audio feedback of voice commands is available. To activate the feedback, pull the voice control paddle briefly and give one of the following commands:

General commands

- **Voice help** To list all commands.
- **Notepad Help** To list Notepad commands.

Audio commands

- **Radio help** To list Radio commands.
- **CD help** To list CD commands.
Please refer to the Audio System Handbook for full operating instructions.

Navigation & Telephone commands

- **Phone help** To list telephone commands.

- **Navigation help** To list Navigation commands.

Please refer to the Navigation, TV & Telephone Handbook for full operating instructions.

Using Notepad

Notepad is a feature for recording short messages as memory aids or reminders.

You can record up to 10 notes for up to 30 seconds each in length.

Pull the voice paddle towards the steering wheel, wait for LISTENING to appear in the message centre, then give the Notepad command.

The voice recording will automatically be stopped if the note is longer than 30 seconds. To stop voice recording at any time, pull the voice button towards the steering wheel.

The following table gives the commands to be

Command	System response	Action
Record note or Notepad record.	The system gives a beep to indicate the start of recording.	You may start your recording after the beep. To stop recording, pull and hold in the steering wheel voice paddle.
Play notepad or Read notepad.	Notepad audio will read out each note in turn. You can say Replay, Delete or Cancel after each beep, or remain silent to hear the next note.	Saying Replay will replay the previous message. Saying Delete will delete the previous message. Saying Cancel will end the Notepad session.
Clear Notepad or Notepad delete.	Do you want to clear the notepad?	Say YES to delete all stored notes. Say NO to cancel the command.
Notepad help.	The system will read out Notepad information and all the commonly used commands.	

Land Rover Homelink®

HOMELINK® TRANSMITTER

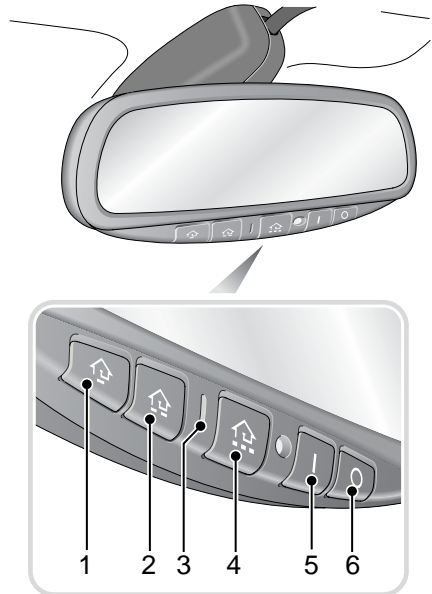
The Land Rover Homelink® Universal Transmitter is built into the underside of the rear view mirror and provides a convenient way to replace up to three hand-held transmitters with a single built-in device. This innovative feature will learn the radio frequency codes of most current transmitters to operate garage doors and gates. With the available accessory package, the Homelink® Transmitter can also control home or office lighting and security systems. For reliability, the Homelink® Transmitter is powered by your vehicle's battery and charging system.

Precautions

When programming your Homelink® Transmitter, you will be operating the garage door or gate. Be sure that people and objects are out of the way, to prevent potential harm or damage.

WARNING

Do not use this Homelink® Transmitter with any garage door that lacks safety 'stop' and 'reverse' features, as required by federal safety standard (this includes any garage or door opener model manufactured before April 1, 1982). A garage door opener which cannot 'detect' an object in the path of a closing door and then automatically 'stop' and 'reverse' the door, does not meet current federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death. For more information on this matter, call toll-free: 1-800-355-3515 or consult www.homelink.com.



H5842N

1. Channel 1 button
2. Channel 2 button
3. Status indicator light
Red - transmitter
Green - auto dimming
4. Channel 3 button
5. Dimming on button
6. Dimming off button

Land Rover Homelink®

Programming

1. Turn the starter switch to position 'II'.
2. If you have previously programmed your HomeLink® Transmitter, proceed to step 3. Otherwise, hold down the two outside buttons (1) and (4) on the HomeLink® Transmitter until the red light (3) begins to flash (approximately 20 seconds). Release both buttons.

This initializes the HomeLink® Transmitter and erases previous settings from all three channels.

DO NOT perform this step when programming additional hand-held transmitters.

3. Decide which one of the three channels you want to program.
4. Hold the signal-emitting end of your hand-held transmitter 5 - 14 cm (1 - 3 in.) away from the HomeLink® Transmitter buttons so that you can still see the red status indicator light (4).
5. With one hand, push the hand-held transmitter button, and with the other, the desired button on the HomeLink® Transmitter. Continue to press both buttons through step 6.
6. Hold down both buttons until you see the red light on the Land Rover HomeLink® Transmitter flash, first slowly and then rapidly. (This could take up to a minute). It indicates that you have successfully programmed the HomeLink® Transmitter to learn the new frequency signal. Release both buttons once the rapid flashing begins.
7. Turn the starter switch to position '0'.

If after repeated attempts you do not successfully program the HomeLink® Transmitter to learn the signal of the hand-held transmitter, call toll-free for customer assistance: 1-800-355-3515 or consult www.homelink.com.

Operating the Land Rover HomeLink® Transmitter

Once it is programmed, the HomeLink® Transmitter can be used in place of your hand-held transmitter(s). To operate, simply press the appropriate button on the HomeLink® Transmitter. The red light (3) comes on while the signal is being transmitted.

NOTE: If your hand-held transmitter appears to program the HomeLink® Transmitter, but does not open your garage door and, if your garage door was manufactured after 1995, your garage door opener may have a 'code protected' or 'rolling code' feature.

A 'rolling code' type of system will change the 'code' of your garage door opener every time you open or close your garage door.

To determine if you have one of these systems, depress the button on your HomeLink® Transmitter that you programmed. If the red light on the HomeLink® Transmitter flashes rapidly for 1-2 seconds, then lights continuously, your garage door opener has a rolling code system.

Land Rover Homelink®

Training a garage door opener equipped with 'rolling codes'

To train your 'rolling code' garage door opener to operate from your HomeLink® Transmitter, follow these steps:

1. Program your hand-held transmitter to the HomeLink® Transmitter by following the procedures outlined previously (if you have already completed this programming, proceed to the next instruction).
2. Train your garage door opener receiver to recognize your HomeLink® Transmitter: (your garage door opener receiver will learn to recognize the HomeLink® Transmitter by following the same process used to train the hand-held transmitter)
 - a) Remove the cover panel from your garage door opener receiver (the receiver should be located by the garage door motor).
 - b) Locate the training button on the garage door opener receiver. The exact location and color of the button may vary by garage door opener brand. If you have difficulty locating the training button, reference your garage door opener manual, call 1-800-355-3515 or consult www.homelink.com.
 - c) Press the training button on the garage door opener receiver for 1-2 seconds, then perform the next step within 30 seconds.
 - d) Return to the HomeLink® Transmitter in the vehicle and depress the programmed button twice. Depress the button to confirm that the HomeLink® Transmitter has been trained to the receiver.

e) Your garage door opener should now recognize your HomeLink® Transmitter. If not, repeat the procedure but in step d) press and release the transmitter button three times. You may use either your HomeLink® Transmitter or your original hand-held transmitter to open your garage door.

If after following these suggestions you still have difficulties programming your HomeLink® Transmitter, call toll-free for customer assistance: 1-800-355-3515 or consult www.homelink.com.

Erasing channels

To erase all three programmed channels, hold down the two outside buttons (1) and (3) until the red light begins to flash, then release both buttons. Individual channels cannot be erased, but can be reprogrammed using the procedures for programming the HomeLink® Transmitter (steps 3 through 6).

Land Rover Homelink®

Reprogramming a single button

To program a device to the HomeLink® Transmitter using a previously trained button:

1. Press and hold the desired button. No NOT release the button until step 4 has been completed.
2. When the indicator light begins to flash slowly (after 20 seconds), position the hand-held transmitter 5 - 14 cm (1 - 3 in.) away from the HomeLink® Transmitter surface.
3. Press and hold the hand-held transmitter button. The HomeLink® indicator light will flash, at first slowly and then rapidly.
4. When the indicator light begins to flash rapidly, release both buttons.

Note: *Be sure to retain your original transmitter for future programming procedures (i.e. new vehicle purchase).*

When selling your vehicle, be sure to erase all channels on the HomeLink® Transmitter that you programmed.

Accessories

Accessories for your HomeLink® Transmitter are available from the manufacturer of the device. If you would like additional information or would like to purchase other accessories such as home lighting or security products that can be operated by the HomeLink® Transmitter, please call the toll-free: 1-800-355-3515 or consult www.homelink.com.

Auto-dimming

The auto-dimming feature of the interior mirror, see **Auto-dip rear-view mirror***, 145, can be turned on or off using buttons (5) and (6).

Compliance

IC: 4112A-NZLBTPHL

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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