

Hill Descent Control

HILL DESCENT CONTROL

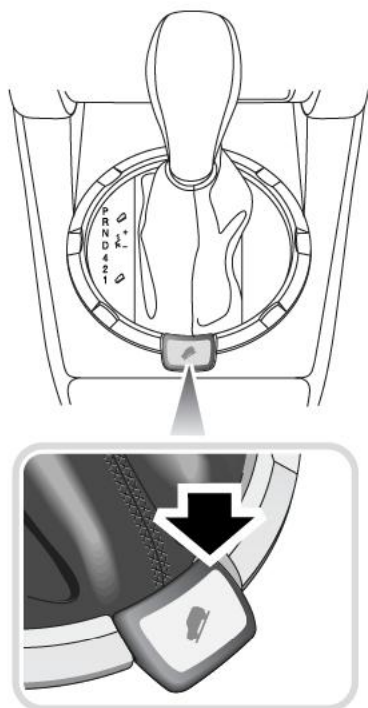
Hill Descent Control (HDC) is of particular value when driving off road, and operates in conjunction with the anti-lock braking system to provide greater control in off-road situations, when descending severe gradients.

Selecting HDC

HDC can be selected with the vehicle in any gear, but will only operate once 1st or reverse 'R' gears are engaged.

NOTE: Reverse gear should only be selected when the vehicle is stationary.

With HDC selected, if 1st or reverse gear have been engaged, the HDC information light (GREEN) in the instrument panel will illuminate continuously (if 1st or reverse gear have not been selected, the information light will flash).



H5172

To select, press the HDC button, situated to the rear of the gear selector lever.

Deselecting HDC

Press the HDC button.

Hill descent control in action

During a descent, if engine braking is insufficient to control the vehicle speed, HDC (if selected) automatically operates the brakes to slow the vehicle and maintain a speed relative to the accelerator pedal position.

When driving off-road, HDC can be permanently selected, to ensure that control is maintained whenever positions '1' or 'R' are selected. ABS and traction control are still fully operational and will assist if the need arises.

NOTE: HDC can be left selected while off-road driving, the system will only operate when needed and gear changes can be carried out in the normal way.

If the brake pedal is depressed when HDC is active, HDC is overridden and the brakes will perform as normal (a pulsation might be felt through the brake pedal). If the brake pedal is then released, HDC, if necessary, will recommence operating.

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In extreme circumstances, the HDC system may cause brake temperatures to exceed their pre-set limits. If this occurs, the information warning light will extinguish and the HDC 'failure' warning light (AMBER) will start to flash. You should stop the vehicle and disengage HDC. If HDC remains operating and the brake temperature continues to rise the HDC system will gradually fade out and the 'failure' warning light will continue to flash until the brakes have cooled.

HDC fade-out

HDC fade-out gradually decreases the HDC brake intervention with the effect that the rate of hill descent will increase. If this occurs either one of the two HDC warning lights will flash for the period that HDC takes to fade. HDC will be disabled completely once the descent is complete.

If required (e.g. the angle of the descent levels out significantly), fade-out may be achieved deliberately by deselecting HDC while the system is operating or by changing out of the appropriate operating gear, in which case the green information light will flash.

If a fault with the HDC system is detected, or if the braking system reaches a pre-set temperature due to extreme conditions, HDC will automatically fade out (amber failure light flashes).

HDC warning lights



HDC information light - GREEN:

The light illuminates briefly as a bulb check when the ignition switch is turned to position 'II'. If HDC is selected when either of the operating gears is engaged, the light will illuminate continuously. When HDC is selected and a non-operating gear is engaged, the light will flash to inform the driver that HDC is selected, but not operating. The light will also flash to indicate that HDC is fading out.



HDC 'failure' light - AMBER:

The light illuminates briefly as a bulb check when the ignition switch is turned to position 'II'. The light will start flashing if the brakes become in danger of overheating and continue flashing until the brakes have cooled sufficiently for HDC to operate again.

If the light illuminates at any other time, a fault in the system is indicated. If this occurs, deselect HDC and consult your Land Rover dealer.