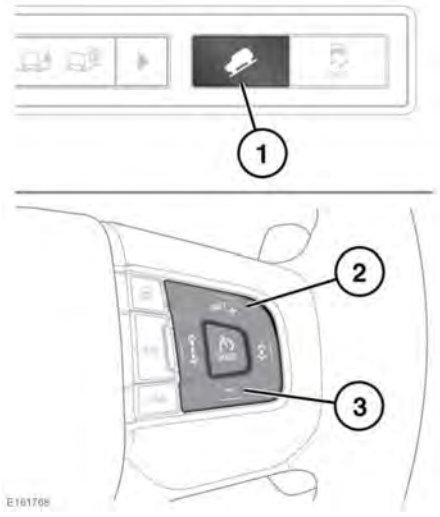
HDC CONTROLS



Hill Descent Control (HDC) is designed to restrict the vehicle's speed to a set limit when travelling downhill.

⚠ **Do not attempt a steep descent if HDC is inoperative or warning messages are displayed.**

The HDC button is located on the centre console.

1. HDC on/off: HDC can be selected at any speed but will only operate at speeds of less than 50 km/h (31 mph). For vehicles with an automatic gearbox, HDC can be used in Drive (**D**), Reverse (**R**) and all the Commandshift gears. When in **D**, the vehicle will select the most appropriate gear. See **122, AUTOMATIC TRANSMISSION**.
   For vehicles with a manual gearbox, HDC can be used in 1st, 2nd and reverse gears.

If the system's operation criteria have not been met, the HDC warning lamp will flash to indicate that the system has been selected but is not operating. See **64, HILL DESCENT CONTROL (GREEN)**.

A graphic will also be displayed in the Message centre showing the HDC target speed. When HDC is unable to operate, the display will be grey. The graphic indicates the range of target speeds available with the currently selected gear.

If HDC is deselected while operating, the warning lamp will extinguish and the system will fade out, allowing the vehicle's speed to gradually increase.

If HDC is already selected and the vehicle's speed exceeds 50 km/h (31 mph), HDC is suspended. The HDC indicator will flash and a message will appear in the Message centre.

If the brake pedal is pressed when HDC is active, a pulsation might be felt through the brake pedal. When the brake pedal is released, HDC will resume.

Note: *HDC is automatically selected by some of the Terrain response special programs.*

Note: *HDC is automatically deselected if the ignition is switched off for more than 6 hours.*

When HDC is enabled, use the Cruise control buttons to adjust the descent speed. See **146, USING CRUISE CONTROL**.

2. Increase the descent speed: The Cruise control (**+**) button will increase the HDC descent speed in 1 km/h (0.6 mph) increments. Press and hold the (**+**) button for larger incremental increases, up to the maximum permissible target speed.

   Note: *Each gear has a predetermined maximum speed.*

   Note: *The vehicle's speed will only increase on a slope steep enough to increase momentum. Use of the (**+**) switch may, therefore, not increase the vehicle's speed on a gentle slope.*

3. Decrease the descent speed: The Cruise control (**-**) button will decrease the HDC descent speed in 1 km/h (0.6 mph) increments. Press and hold the (**-**) button for larger incremental increases, down to the minimum permissible target speed.

   Note: *Each gear has a predetermined minimum speed.*

If a fault is detected in the HDC system, **HDC FAULT SYSTEM NOT AVAILABLE** will appear in the Message centre and HDC assistance will fade out.

If the fault is detected while the system is operating, HDC assistance will fade out. Contact a Retailer/Authorised Repairer as soon as possible.

GRADIENT RELEASE CONTROL (GRC)

With Hill Descent Control (HDC) activated, if the vehicle is stopped on a slope using the brake pedal, GRC will become active (except in the Terrain response system's Sand program). During a hill ascent, when the brake pedal is released, GRC will automatically delay and graduate the brake release, to allow the vehicle to move smoothly away. When descending a hill, a similar brake hold and gradual release is employed to provide a smooth transition into HDC control.

GRC operates in forward and reverse gears and requires no driver intervention.

WARNING MESSAGES

⚠ **Do not attempt a steep descent if Hill Descent Control (HDC) is inoperative or if any warning messages are displayed in the Message centre.**

BRAKE TEMPERATURE

In extreme circumstances, the Hill Descent Control (HDC) system may cause brake temperatures to exceed their preset limits. If this occurs, the warning **HDC TEMPORARILY UNAVAILABLE** will be displayed in the Message centre. HDC will then fade out and become temporarily inactive.

Once the brakes have reached an acceptable temperature, the message will disappear (or the warning lamp will extinguish) and HDC will, if required, resume operation.