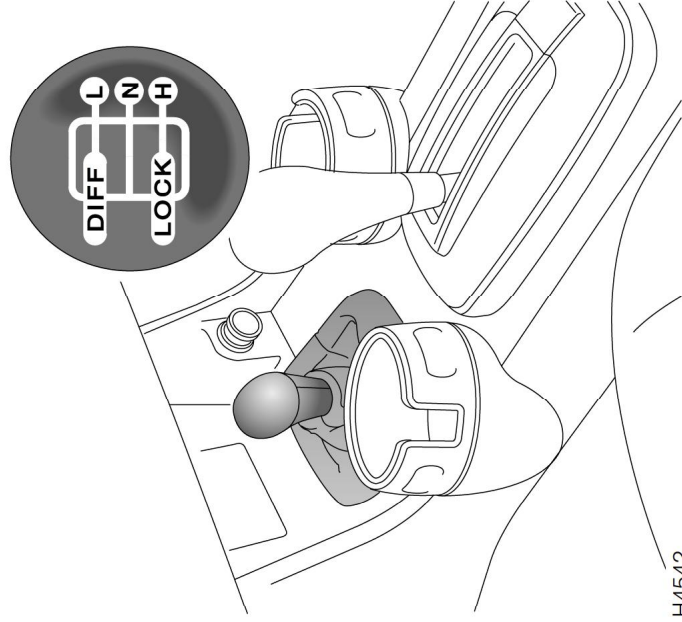


Transfer Gearbox

THE DIFFERENTIAL LOCK*



H4542

Unlike most other four-wheel-drive vehicles, all Land Rover products have permanent four-wheel drive.

Discovery is enhanced by the inclusion of an optional lockable differential (diff lock) between the front and rear drive shafts. With the differential locked, the drive shafts to front and rear axles are, in effect, joined together, causing both to rotate at the same speed.

This feature enhances traction on difficult off-road surfaces. However, with the differential unlocked, the different running requirements of the two axles can be accommodated, thereby enabling Discovery to operate permanently in four-wheel drive for both normal AND off-road use.

IMPORTANT INFORMATION

DO NOT engage the diff lock if one or more wheels are slipping - this could damage the transmission. If wheels are slipping, ease off the accelerator before engaging the diff lock.

Selecting diff lock

The diff lock can be engaged or disengaged either with the vehicle stationary, or when driving at any speed. However, with the vehicle in motion, it is **ESSENTIAL** to be travelling on firm ground, in a straight line, and without wheel slip.

To lock the differential

Move the transfer gear lever to the left - from either 'H' (high) or 'L' (low) gearbox (the warning light on the instrument panel will illuminate).

To unlock the differential

Move the transfer gear lever to the right - to either 'H' (high) or 'L' (low) gearbox as required; when the diff lock disengages, the warning light will extinguish.

When to use the diff lock

As a general rule, the differential should be locked only in order to drive on loose or slippery off-road surfaces. **ALWAYS** unlock the differential for normal road driving or as soon as a surface giving good grip is reached whether high or low gears are selected.

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WARNING

DO NOT drive the vehicle at speeds in excess of 40 mph (60 km/h) with the differential locked. Driving with the differential locked at speeds above 40 mph (60 km/h) may, under certain situations affect the brake performance under ABS conditions.

NOTE: For a valuable introduction to off-road driving, which includes many useful references to the transfer gearbox and diff lock, see 'BASIC OFF-ROAD TECHNIQUES', page 158.

IMPORTANT INFORMATION

If the vehicle is driven on normal road surfaces with the differential locked, the steering will feel stiff, excessive tire wear will occur and the transmission will be 'wound up' putting excessive strain on the transmission.