Emergency Brake Assist (EBA)

If rapid full brake application is made, Emergency Brake Assist (EBA) automatically boosts the braking force to the maximum and helps to stop the vehicle. Also, if the driver brakes more slowly, but with sufficient brake pressure to activate Anti-lock Braking System (ABS) on both front wheels, the system automatically increases the braking force so that all four wheels are in ABS control, optimising the performance of the ABS system.

If the brake pedal is released, EBA will cease operation.

A fault with the EBA system is indicated by illumination of the amber brake warning indicator.

Electronic Brake Distribution (EBD)

Electronic Brake Distribution (EBD), balances braking forces between front and rear axles to maintain maximum braking efficiency.

For example, under light loads EBD applies less effort to the rear brakes to maintain vehicle stability; conversely allowing full braking effort to the rear wheels when the vehicle is towing or is heavily laden.

A fault with the EBD system is indicated by illumination of the red brake warning indicator.

Cornering Brake Control (CBC)

Cornering Brake Control (CBC) is an advanced form of ABS, which maintains vehicle stability and steering control during braking whilst cornering or changing lanes at speed.

ELECTRIC PARKING BRAKE (EPB)

WARNING

Do not rely on the Electric Parking Brake (EPB) to hold the vehicle stationary if the brake system warning indicator is illuminated or the EPB warning indicator is flashing. Seek qualified assistance urgently.

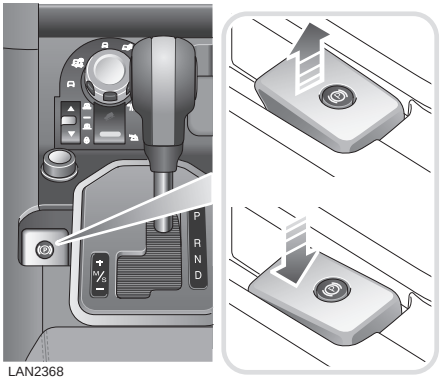
Note: *If the vehicle is used in severe off-road conditions such as wading, deep mud, etc., additional maintenance and adjustment of the parking brake will be required. Consult your Land Rover Dealer/Authorised Repairer.*

Applying the EPB manually

CAUTIONS

The electric parking brake operates on the rear wheels of the vehicle and hence secure parking of the vehicle is dependent on being on a hard and stable surface.

Do not rely on the electric parking brake to operate effectively if the wheels have been immersed in mud and water.



LAN2368

With the vehicle stationary, pull up the lever (arrowed) and release it.



The red brake warning indicator in the instrument pack will illuminate. It is important to confirm that the red warning indicator is continuously illuminated (not flashing). This indicates that the EPB has been correctly applied.

If the lever is operated while the vehicle is travelling at less than 3 km/h (2 mph), the vehicle will be brought to a stop abruptly. The stop lamps will not illuminate.

Applying the EPB automatically

EPB will be applied automatically if the ignition is switched off and the vehicle speed is below 3 km/h (2 mph).

To prevent an automatic application, when the vehicle is stationary press and hold the EPB switch in the release position. Within 5 seconds switch off the ignition and hold the EPB switch for a further 2 seconds.

Dynamic operation

CAUTION

Driving the vehicle with the electric parking brake applied or repeated use of the parking brake to decelerate the vehicle may cause serious damage to the brake system.

In an emergency, with the vehicle travelling at more than 3 km/h (2 mph), pulling up on the lever and holding it gives a gradual reduction in speed. The brake warning indicator will illuminate accompanied by a harsh sound and **CAUTION PARKBRAKE APPLIED** appears in the message centre. The stop lamps will illuminate.

Releasing or depressing the lever will cancel the electric parking brake application.

Releasing the EPB manually

To disengage the EPB, the ignition must be on. Apply pressure to the foot brake while pressing down on the EPB lever.

Releasing the EPB automatically - manual transmission vehicles

If the vehicle is stationary with the EPB applied, pressing the accelerator and releasing the clutch will release the EPB and allow the vehicle to move off

Automatic release will operate in first, second and reverse in high range and first, second, third and reverse in low range.

To delay automatic release, hold the EPB lever in the applied position, and release at the desired point.

The parking brake system gradually reduces the system load to assist a smooth drive away. If the reduction in system load causes the vehicle to move after a valid gear is selected, full load will be automatically re-applied to the parking brake.

To override the load reducing feature of the EPB, manually apply the parking brake after selecting a gear.

In the event of a failure, the message **PARKBRAKE FAULT AUTO RELEASE UNAVAILABLE** will be displayed in the message centre.

Releasing the EPB automatically - automatic transmission vehicles

If the vehicle is stationary with the EPB applied and the transmission in **D** or **R**, pressing the accelerator will release the EPB and allow the vehicle to move off.

Note: *Automatic release of the EPB is only possible when the driver's door is closed or the driver's seat belt is buckled.*

To delay automatic release, hold the EPB lever in the applied position, and release at the desired point.

The parking brake system gradually reduces the system load to assist a smooth drive away. If the reduction in system load causes the vehicle to move after a valid gear is selected, full load will be automatically re-applied to the parking brake.

To override the load reducing feature of the EPB, manually apply the parking brake after selecting a gear.

In the event of a failure, the message **PARKBRAKE AUTO RELEASE UNAVAILABLE** will be displayed in the message centre.

At the start of a journey, EPB release times may be extended when changing from **P** or **N**. This is to allow for increased gear engagement times.

EPB warning indicators

If the system detects a fault with the EPB, the amber brake warning indicator will illuminate accompanied by a message on the message centre.

If the system detects a fault while EPB is operating, the red brake warning indicator will flash and the message **PARKBRAKE FAULT** will appear in the message centre.

Note: *The red brake warning indicator will continue to be illuminated for at least ten seconds after the ignition has been turned off.*

Fault management

Under certain fault conditions it may be possible to apply the EPB. Switch off the ignition, pull up the EPB lever and hold in the up position for 10 seconds. The red brake warning indicator will come on continuously to indicate that the EPB has been applied.

Note: *Under some transmission fault conditions, the parking brake may not function or may not operate automatically.*

Messages

The following messages could appear in the message centre.

Message	Meaning	What to do?
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.
PARKBRAKE BEDDING CYCLE ACTIVE	A garage technician has requested a bedding cycle.	If not required, an ignition reset will cancel the function.
PARKBRAKE AUTO RELEASE UNAVAILABLE	Drive-away release function is not available.	Use manual release.
PARKBRAKE FAULT	Supports the red warning indicator - electric parking brake functions are not available.	Seek qualified assistance immediately.
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.
CAUTION PARKBRAKE APPLIED	Electric parking brake has been applied while the vehicle is moving.	Only use this function in an emergency.