

Transmission

GEARSHIFT INTERLOCK

A brake pedal/gearshift interlock system is incorporated in the automatic gear selector mechanism.

To move the gear selector from Park:

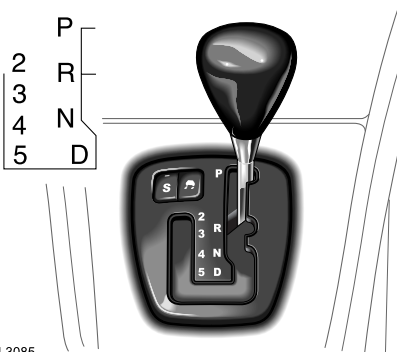
1. Turn the ignition key to position **II** or start the engine.
2. Press the brake pedal.

Note: Under the following conditions, the brake pedal must be released and re-applied before moving the gear selector from Park:

- The gear selector was moved into Park while the brake pedal was depressed or;
- The brake pedal was depressed while the ignition was switched ON.

In either case, the letter **P** for PARK on the gearshift will flash to indicate that the interlock is still active.

GEAR SELECTOR LEVER



JOL3085

The **J** - gate gear selector lever is designed to accommodate two different driving techniques as follows:

- Automatic selection – the right-hand side of the selector gate.
- Manual selection – the left-hand side of the selector gate to individually select 5th, 4th, 3rd or 2nd gear.

Gear selector positions



WARNING:

The brake pedal must be applied before selecting forward or reverse drive from a stationary position.

P = Park – Use when parking. In this position the transmission is locked. Do not select if the vehicle is moving.

N = Neutral - Disconnects the driveline from the engine. Use the parkbrake when stopping temporarily.

Note:

- After selecting forward or reverse drive ranges from Neutral or Park, wait briefly for the transmission to engage before accelerating.
- When in Neutral or Park the engine can only be accelerated to 4500 rev/min.

R = Reverse – Do not select if the vehicle is moving forward.

The reversing lights come ON automatically when reverse gear is selected and the ignition switch is in position **II**.

D = Drive – All six gears are changed automatically as required by the throttle position and road speed.

Transmission

2, 3, 4, 5 = If selected, the transmission operates automatically in second, third, fourth or fifth gear but will not engage gears higher than the one selected.

When the vehicle is stationary the automatic gear selector may be left in **D**, **2**, **3**, **4** or **5**, unless the vehicle is to be parked.

Drive to fifth

When driving in gear position **D** with sixth gear engaged, the gear selector can be shifted sideways across the gate to **5**.

Provided that the vehicle's speed is not too great, the transmission will shift down to fifth. Sixth gear will be inhibited until the gear selector is moved back to **D**.

Hill climbing and engine braking

When driving on roads with long downhill gradients, selecting **3** or **2** (depending on road/traffic conditions) will give engine braking.

When the gear selector is moved from **D**, **5**, **4** or **3** down to **2**, downshift to second gear will only take place at appropriate road speeds.

Reverse inhibit

Reverse is inhibited when the vehicle is moving forward at speeds above 8 km/h (5 mph).

Note: Reverse inhibit will not function in limp home mode.

Kickdown

Kickdown is operated when the pedal is pressed fully down, beyond the normal operating range and against a spring pressure, to provide maximum engine performance.

Kickdown is used in circumstances where rapid acceleration is required, such as when overtaking.

Kickdown causes the transmission to change down to the lowest gear possible to achieve maximum acceleration.

The gear engaged depends on the road speed at the time of kickdown.

As well as shifting down, the gearshift points are extended to give greater performance. This mode is in effect for as long as the pedal is pressed fully down.

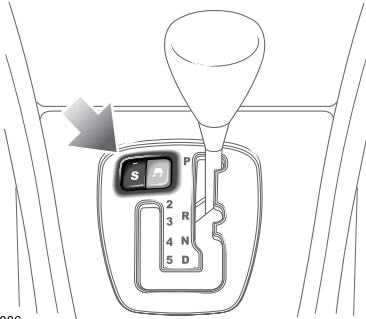
Limp home mode

In the unlikely event of an electrical or mechanical failure, transmission operation will be impaired. The vehicle gear selector ranges **P**, **R**, **N**, **D** can still be used to enable the vehicle to be driven to a safe area.

The driver should be aware that the vehicle's performance will be reduced and must take this into account when driving. In this event consult a Jaguar Dealer immediately.

Transmission

SPORT MODE



The switch marked **S** on the J-gate surround enables the driver to select either normal **N** or sport **S** modes.

When sport mode is selected the automatic transmission will operate normally, but the gearshift points are extended to make full use of the engine's power reserves.

To select Sport, press the switch. A red light within the switch is illuminated to indicate that sport mode has been selected.

To cancel Sport, press the switch again.

Note: Both sides of the J-gate can be used, irrespective of transmission mode. For example, with **S** selected, the transmission can be operated in full automatic mode or by manual selection.

In addition to the switched transmission modes (**N** and **S**) the transmission control module will select shift patterns to suit specific conditions.

Cruise Control

When cruise control is operating at set speed the transmission selects a shift pattern to suit cruise control operation.

Dynamic stability control (DSC)

When DSC is switched ON and the system is activated, the transmission selects a shift pattern to suit traction control conditions.

Gradients

When the vehicle is being driven on roads with uphill gradients, the transmission adapts the shift pattern to make better use of engine power and aid engine cooling.

Note: Under the conditions previously described, the relevant transmission mode will override the **N** or **S** modes selected by the driver. When such conditions no longer exist, the transmission will revert to the shift pattern previously selected by the driver, i.e. **N** or **S**.