

# Starting the engine

## SWITCHING ON THE IGNITION

To turn on the ignition without starting the engine. Do not depress the brake/clutch pedal, press the start/stop button and hold until the warning indicators illuminate, then release the button.

## BATTERY CHARGING - RED



Illuminates as a bulb check when the ignition is turned on and extinguishes once the engine is running. If it remains on, or illuminates whilst driving, a fault with the battery charging system is indicated. Seek qualified assistance urgently.

## LOW OIL PRESSURE - RED



Illuminates as a bulb check when the ignition is turned on and extinguishes when the engine is started. If the indicator remains on, flashes on and off, or illuminates whilst driving, stop the vehicle as soon as safety permits and switch off the engine immediately. Always check the oil level when this indicator illuminates. If the oil level is ok, seek qualified assistance before driving.

## ENGINE STARTING



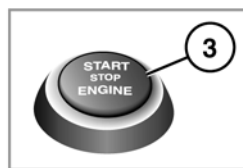
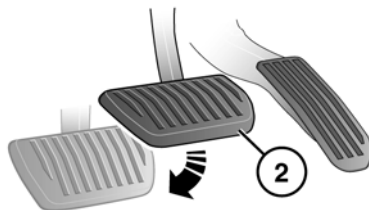
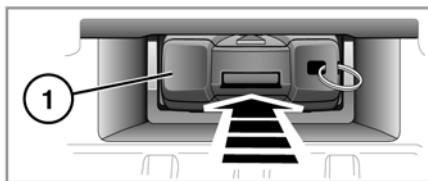
**Never start the engine, or leave it running, when the vehicle is in an enclosed space. Exhaust gasses are poisonous and can cause unconsciousness and death if inhaled.**



If the engine fails to start, do not continue cranking as this will discharge the battery. It may also damage the catalytic convertor due to unburnt fuel passing through the exhaust.

**Note:** For diesel vehicles, the delay period before cranking begins will be longer in low ambient temperatures due to extended glow plug operation. During this extended delay the clutch pedal (manual transmissions) or brake pedal (automatic transmissions) must remain depressed. **CRANKING WILL COMMENCE AFTER GLOW PERIOD** is displayed on the message centre.

## STARTING: AUTOMATIC TRANSMISSION

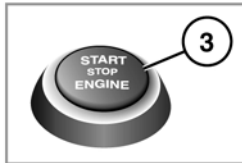
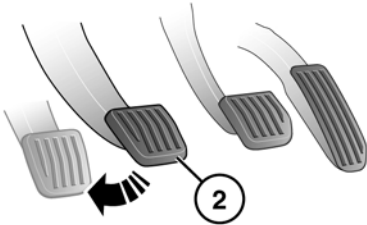
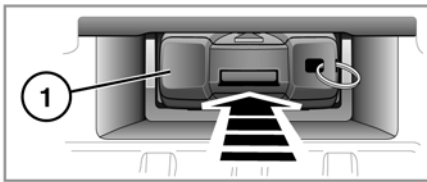


SL1449

1. Insert the remote control into the docking port (buttons facing upwards) and press to latch.
2. Press the brake pedal.

3. With the brake pedal firmly depressed, briefly press and release the start button. The engine will crank automatically until it starts. For diesel engined vehicles there may be a delay whilst the glow plugs warm up, then the engine will crank automatically until it starts.

## STARTING: MANUAL TRANSMISSION



SL1592

1. Insert the remote control into the docking port (buttons facing upwards) and press to latch.
2. Press the clutch pedal.
3. With the clutch pedal fully depressed, briefly press and release the start button. There may be a delay whilst the glow plugs warm up, then the engine will crank automatically until it starts.

## STOPPING THE ENGINE

Before stopping the engine, ensure that the vehicle is parked safely with the park brake applied.

1. Select P (Park) for automatic transmission, or Neutral for manual transmissions.
2. Press the Start/Stop button.
3. Press the remote to unlatch it, then remove it from the docking port by gripping the sides. Do not pull the remote out using the keyring attachment as this will only remove the emergency key.

**Note:** If the engine is switched off by the stop/start system, the remote control can be removed as previously described above in point 2.

## GLOW PLUG OPERATION



The glow plug warning indicator will remain illuminated while the glow plugs are operating.

## STOP/START (MANUAL TRANSMISSION ONLY)

The Stop/Start system has been designed to improve fuel efficiency. The system is automatically activated when the ignition is switched on.



When the vehicle comes to a stop, neutral is selected and the clutch is fully released, the engine

automatically switches off.

When the clutch is depressed prior to selecting a gear, the engine automatically restarts.

## CONDITIONS PREVENTING AUTOMATIC ENGINE STOP

The engine will not automatically stop if:-

- the external temperature is below approximately 0°C (32°F)
- the external temperature is above approximately 35°C (95°F)
- engine has not reached operating temperature
- driver's seat belt is not fastened
- driver's door is not fully closed
- the driver's foot is on either the clutch or accelerator pedals
- climate control system demand is high
- battery charge is low
- the DPF is regenerating
- HDC or a Terrain Response special program are selected

When the engine has been stopped by the stop/start system, the Eco icon will illuminate. See **STOP/START (MANUAL TRANSMISSION ONLY)** (page 59).

**Note:** The stop/start system is disabled when a trailer electrical connection is made.

## CONDITIONS CAUSING AUTOMATIC ENGINE RESTART

The engine will automatically start if:-

- climate control system demand increases
- the vehicle's speed reaches approximately 3 km/h (2 mph)
- HDC or a Terrain Response special program are selected
- battery charge becomes low
- brake vacuum has been reduced (eg using the brake pedal repeatedly with the engine off)

## DISABLING STOP/START



To switch the system off (preventing automatic stop/start) press the **ECO** button. The LED indicator will extinguish to confirm that the system is off.

**Note:** The engine will restart automatically if the switch is pressed to disable the system, whilst an automatic engine stop is in progress.

If the LED indicator fails to illuminate at start up, a system fault may be present. Contact your Land Rover dealer for assistance.

## STALL RECOVERY

In the event that the engine stalls, it can be restarted by fully depressing the clutch pedal.

**Note:** Automatic stall restart will only operate once. If the engine is stalled a second time the engine must be restarted normally.