



Technical Service Bulletin

No.LTB00124
28 February 2008

Subject/ Concern:	Reduced Power With Multiple Warning Lamps and Lowering of Suspension
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Models:		
Discovery 3 / LR3	TDv6 EU4 Emissions Only	TDv6 EU4 Emissions Only VIN- range: LA7A413982-LA8A477541
Range Rover Sport (LS)	TDv6 EU4 Emissions Only	TDv6 EU4 Emissions Only VIN- range: LS7A983117-LS8A168884

Markets: All

Section: 303-00

Summary:

Reduced power with multiple warning lamps (with messages 'Air Suspension', 'HDC' etc) and lowering of suspension, with Diagnostic Trouble Code (DTC) P0401 ('EGR Low Flow') stored. This will occur when the ambient temperature is around 0°C to + 10°C and will often reduce the power after a deceleration of up to 15 seconds.

Cause: The engine thermostat is set at 88°C causing higher than expected engine temperatures (under low ambient temperatures). The Exhaust Gas Recirculation (EGR) valve closes and the Engine Control Module (ECM) stores DTC P0401 when the engine reaches 97°C for 10 seconds (when the ambient is between 0 and 10° C), the engine torque calculation is prevented causing multiple warning lamps.

Suggested Customer Concern Code - D42.

NOTE: Only install the new thermostat if DTC P0401 ('EGR Low Flow') is stored (under the conditions described above). Any other faults must be carried out as a separate Warranty Claim.


Action: Should a customer express concern, install a new 82°C thermostat (that prevents higher temperatures under low ambient conditions). Follow the Service Instruction outlined below.

Parts Required:		
Description	Part Number	Quantity
Engine thermostat	LR009562	1

Labour Time:		
Operation Description	Operation No.	Time
Read and clear DTCs	12.90.16	0.2 hours
Thermostat - Renew	26.45.01	0.8 hours

Repair/Claim Coding:	
Causal Part:	PEM500210
ACES Condition Code:	42
Defect Code:	

Service Instruction

- 1 . Install a new thermostat (see Global Technical Reference GTR Workshop Manual, section: 303-03C).
 - 2 .  **CAUTION: This procedure requires IDS DVD111 Patch File 1 software or later.**
- Connect a Midtronic battery conditioner/power supply to the vehicle.
- 3 . Connect IDS to the vehicle and begin a new diagnostic session, by entering the correct VIN for the current vehicle.
 - 4 . When prompted 'Do you wish to read diagnostic trouble codes?', select 'Yes' and then press 'tick' to continue.
 - 5 . Follow all on-screen instructions and clear DTCs.
 - 6 . When the task is completed, exit the current session.
 - 7 . Disconnect IDS and the battery charger/power supply.