

TECHNICAL SERVICE BULLETIN

No.LA303-004/2006

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Circulate to:	Service Manager	Parts Manager	Warranty Administrator	Service Reception	Technicians

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Subject/Concern:	Discovery 3/LR3 - Difficult Cold Starting
Model:	
Discovery 3 / LR3	VIN Range: 5A300394-6A353440 Engine: 2.7L(TdV6) Diesel

Markets: All
Section: 303-00

Summary	
A customer may report a concern that in cold weather conditions, the vehicle is difficult to start. Investigation using the worldwide diagnosis system (WDS) reveal the diagnostic trouble code (DTC) P0181 - Fuel System Temperature Sensor Range.	
Cause: A software calibration/sensitivity issue exists between the fuel temperature and coolant temperature readings used by the engine management software resulting in the above concern.	
Action: Should a customer express concern regarding the above, refer to the Service Procedure detailed in this bulletin to update the engine management software.	
Parts Required	
Description	Quantity
WDS disc 13 or later	1

Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

Labor Time		
Operation Description	Operation No.	Time
Tune Download - Engine management ECU	12.90.13	0.20 hours
Repair/Claim Coding		
Causal Part:	NNN500560	
ACES Condition Code:	07	

Service Procedure

1. Connect WDS to the vehicle.
2. Note the current software levels of the diesel engine control module:
 1. Enter the vehicle details.
 2. Select the 'Vehicle Configuration' tab.
 3. Select 'Module Information'
 4. Select 'Network integrity test'
 5. Note the software part numbers displayed on the screen.
3. Configure the diesel engine control module:
 1. Return to the 'Vehicle Configuration' screen and select 'Module Configuration'
 2. Select 'Configure Existing Modules'.

- From the sub-menu, select 'Diesel Engine Control Module'
3. Check the tick-box to continue and follow the on-screen instructions.
 4. Repeat step to confirm the software level change.
 5. Disconnect WDS from the vehicle