

# TECHNICAL BULLETIN

LTB00429NAS1

22 MAR 2012



## SECTION: 303

### Poor Engine Performance at High Altitude

#### AFFECTED VEHICLE RANGE:

LR3 (LA) 4.4L V8 only

VIN: 7A414023 – 9A513325

Model Year: 2007 - 2009

#### CONDITION SUMMARY:

**Situation:** The engine may exhibit poor performance / reduced power while driving at altitudes above 8,200 feet (2,500 meters) and the engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Codes (DTC) P010, P0172, and/or P0175 stored in the Engine Control Module (ECM). This may be caused by the calibration altitude limit.

**Action:** In the event of a customer concern of the above, refer to the Repair Procedure outlined below to update the ECM software.


#### PARTS:

No parts required

#### TOOLS:

IDS with latest IDS-DVD and Calibration File; first available on IDS-DVD128.04 Calibration File v93  
Land Rover-approved Midtronics Vehicle Power Supply

#### WARRANTY:

 **NOTE:** 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.

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Update ECM software	12.90.13	0.20	42	NNN500451

*Normal Warranty policies and procedures apply*

#### REPAIR PROCEDURE

##### UPDATE THE ENGINE CONTROL MODULE SOFTWARE

 **CAUTION:** Ensure all ignition 'ON' / ignition 'OFF' requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.

 **CAUTION:** A Land Rover-approved Midtronics Vehicle Power Supply must be connected to the vehicle battery during IDS diagnosis / module programming.

1. Connect the Land Rover-approved Midtronics Vehicle Power Supply to the vehicle battery.
2. Turn ignition 'ON' (engine not running).

 **NOTE:** IDS must be loaded with IDS-DVD128.04 v93 or later.

3. Connect the IDS to the vehicle and begin a new Symptom Driven Diagnostics (SDD) session.

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

4. Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle.
5. From the Session Type selection screen, choose 'Diagnosis'.



**NOTE: One or more of the following DTCs must also be stored in the ECM: P0101, P0173, or P0175.**

6. Select the 'Selected Symptoms' tab, and then select:
  - Electrical > Instruments > Warning lamps > Engine malfunction lamp > Lamp illuminated or
  - Powertrain > Engine system – Engine performance > Poor acceleration and lack of power
7. Select 'continue'.
8. Select the 'Recommendations' tab.
9. From the Recommendations tab, select 'Run' to configure the 'Powertrain control module'
  - Follow all on-screen instructions to complete this task.
10. Exit the current session.
11. Disconnect the IDS and the Midtronics Vehicle Power Supply from the vehicle.