

Models LD - Defender

Title P1169 and or P0089 codes logged.

Last Modified 30-JUL-2008 10:16

Category Driveability

Symptom 608000 Runs Rough

Issue:

07MY onwards - Difficult to start, missfire, lack of power, driveability issues etc. PCM can have either P1169 and or P0089 logged codes. Pre assured Vin# Def 90 at Vin LD8A760582. Defender 110/130 at Vin# LD8A760304.

Cause:

Potential contamination in the fuel system.

Action:

Remove the fuel filter, drain complete contents into a suitable clear vessel. Note signs of any water contamination / debris.

1) If more than 40cc of water or debris is evident carry out the following:-
Drain the fuel tank.
Check the fuel tank breather location and reposition as per the illustration A attached. On pick up variants please reposition the breather pipe in board towards the rear of the fuel tank.
If breather is blocked replace the pipe as per GTR.
Replace the fuel filter and clean out the fuel lines of any contamination / debris and or residue.
For P1169 code replace the FMV (Fuel Metering Valve), as per GTR and LTB00153. Illustration B.
If DTC P0089 is also present replace the PRV (Pressure Relief Valve), as per GTR. Illustration C.
Bleed and prime the fuel system as per GTR.
Start the vehicle and carry out the pump learn process with IDS as per GTR.
Carry out a road test to ensure the issue has been rectified and no codes have been logged.
Submit any findings on ePQR to engineering.

2) If no sign of water or debris but either codes logged carry out the following:-
Check the integrity of the wiring and the condition of the terminal connections between PCM and Fuel Rail Pressure Sensor and between PCM and FMV. Repair wiring as necessary and re test the vehicle.
If no issue is found with the wiring / connections, and code P1169 logged, replace the FMV as per GTR and LTB00153.

Content

Replace the fuel rail PRV (Pressure Relief Valve), only If DTC P0089 is present as per GTR.

Start the vehicle and carry out the pump learn process with IDS as per GTR.

Carry out a road test to ensure the issue has been rectified and no codes have been logged.

Submit any findings on ePQR to engineering.

Note:-

A new tank / breather design was introduced on Defender 90 Vin# LD8A760582. and Defender 110/130 at Vin# LD8A760304.

Please submit an ePQR for any issue seen on vehicles post these vins.