

LTB00254

TECHNICAL BULLETIN

20 JAN 2010



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Information
SECTION:

418-00

Subject/Concern:

Turbo Modulator Service Link Kit

AFFECTED VEHICLE RANGE:

Model: **VIN:**

Defender (LD) LD732615-LD779287

MARKETS:

All except NAS

CONDITION SUMMARY:

Situation:

A customer might express concern of a loss of power with the Malfunction Indicator Lamp (MIL) illuminated.

Cause:

Engine vibrations fracture the wiring to the turbo modulator. **Suggested Customer Concern Code A88.**

Action:

Should a customer express concern, follow the Service Instruction outlined below.

PARTS:

Part Number	Description	Quantity:
LR020663	Harness Link Kit	1

WARRANTY:

NOTES:

- 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 TOPIX to obtain the latest repair time.
- DDW requires the use of causal part numbers. Labour only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME	CONDITION CODE	CAUSAL PART
Fit Ferrite Fuse To Engine Harness	86.71.89.26	0.4 hours	30	LR007352

NOTE:

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

SERVICE INSTRUCTION:



1.

Remove the cable tie from the compressor bracket. Dis-connect the electrical connector and remove convoluted tube and high temp sleeve from Rotary Electrical Actuator breakout.



2.

Separate the existing wires to the rotary electrical actuator from the main breakout. Connect the service fix lead (LR020663) and route the wires parallel with the current breakout to establish breakout adjacent to the engine top cover.



3.

Establish a breakout position adjacent to the engine top cover. Pull the cables towards the front of vehicle for improved access for the rework process.



4.

Once the breakout length has been established, connect the service fix lead (LR020663) using the connectors from the harness repair kit and heat shrink the existing wires ensuring sufficient staggering of the harness repair to minimize overlap of the bundle size.



5.

Add the convoluted tube to the newly formed breakout, secure the ends and spiral wrap with suitable tape. This replaces the removed convoluted tube and high temp sleeve. Cable tie the breakout to the compress bracket.



6.

Route the newly formed breakout adjacent to the existing harness route and secure with a single cable tie on the existing edge clip fixing.



7.

Attach the ferrite to the existing breakout with the double loop cable tie supplied with the service fix lead (LR020663) adjacent to the single rotary electrical actuator and reconnect the electrical connector. Ensure the cables are secure and free from any tension or sharp edges.

8. CAUTIONS:

- This procedure requires IDS DVD119 with Patch file 2 loaded or later.
- Please ensure that you carry out all the ignition on/off requests to ensure correct module configuration, if this is not done it can cause damage to the modules on the vehicle.

Connect a Midtronic battery conditioner/power supply to the vehicle.

9. Connect IDS to the vehicle and begin a new diagnostic session, the IDS will read the current VIN for the vehicle.
 1. Follow all on-screen instructions to complete this task.
10. Follow the IDS prompts to read the vehicle configuration.
11. When prompted 'Do you wish to read diagnostic trouble codes?', select 'YES' and then press 'tick' to continue.
 0. Clear DTC's and follow all on screen instructions.
12. Follow all on-screen instructions to complete this task.
13. Disconnect IDS and the battery charger/power supply.