

TECHNICAL SERVICE BULLETIN

No.LTB00052/2007

23 April 2007

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

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Subject/Concern:	Freelander - Fuel Pressure Sensor Repair Harness
Model:	
Freelander (LN)	Year: 2001 Onwards Engine: Td4

Markets: All
Section: 303-14 (18 - Engine Management)

Summary
A customer may report a concern of engine hesitation, poor performance, poor engine idle or poor starting.
Cause: Investigation using diagnostic equipment points to the fuel pressure sensor, which when renewed can rectify the problem. However, the root cause of this issue is likely to be corroded connections in the fuel pressure sensor harness connector and renewing the sensor alone may not permanently repair the problem.
Action: Should a customer express concern regarding the above and diagnosis indicates the fuel pressure sensor to be the cause, refer to the Service Procedure detailed in this bulletin to renew the sensor and harness connector.

Parts Required		
Description	Part Number	Quantity
Harness repair kit	YMQ503320	1
Fuel pressure sensor	STC4768	1
O-Ring	MYX000040	1

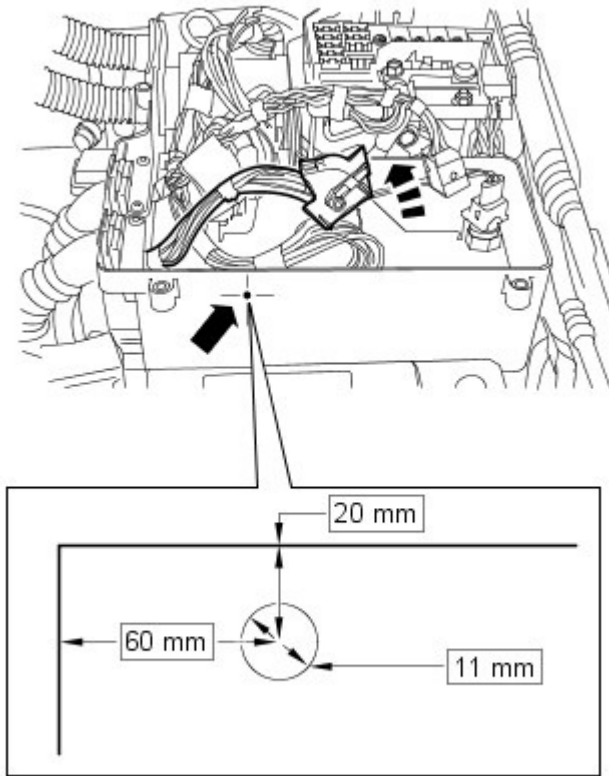
Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

Labor Time		
Operation Description	Operation No.	Time
Renew fuel pressure sensor and install overlay harness	19.22.89/45	0.60 hours
Repair/Claim Coding		
Causal Part:	STC4768	
ACES Condition Code:	D21	

Service Procedure

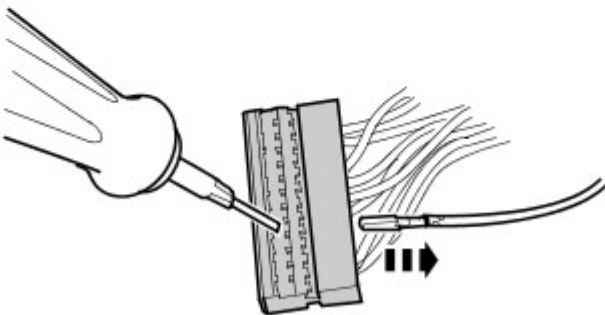
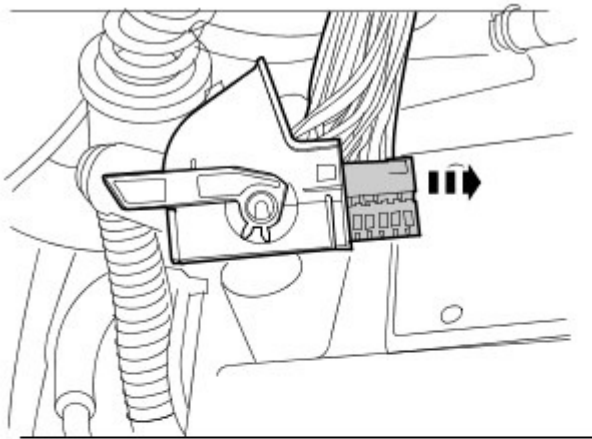
1. Disconnect the battery ground cable.
2. Remove the E-Box lid.
3. Disconnect the control module.

4. Drill an 11 mm hole in the side of the E-Box at the position shown.



E85072

5. Pass the new overlay harness wires through the hole into the E-box.
6. Release the terminal pins from the control module connector individually, cut away the redundant connector and connect the new terminals:
 1. Pin 35 - white/yellow (WY).
 2. Pin 20 - brown/green (NG).
 3. Pin 33 - blue/black (UB).



E85073

7. Secure the redundant connector wires to the wiring harness using

a suitable electrical tape.



- 8. ⚠ Ensure the grommet is correctly installed to prevent water/moisture ingress.**

Secure the overlay harness, following the route of the old harness, using cable ties.

9. Disconnect the fuel pressure sensor connector.
10. Cut away the connector and secure the redundant harness to the wiring harness using a suitable electrical tape.
11. Renew the fuel pressure sensor.
12. Connect the new overlay harness to the fuel pressure sensor.
13. Connect the control module.
14. install the E-Box lid.
15. Connect the battery ground cable.