



Technical Service Bulletin

No.A310-05v4
26 May 2005

Reissue

Please replace the previous edition of this bulletin.

This bulletin supersedes TSB A310-05v3/2005 dated 21 March, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).

Subject/Concern: Fuel Gauge Failure or Intermittent Operation

Models:

X-TYPE

Markets: All

Section: 310-01

Summary:

This bulletin is for information only, to inform Authorized Repairers that if there is a fault with the fuel level sender unit, the fuel level sender unit can now be replaced as a separate part.

Version 4 of this Bulletin has been issued due to a change in Parts Required.

To install a new fuel level sender unit. Follow the Service Instruction referred to below.

Parts Required:

Description	Part Number	Quantity
Jet pump sender - 2.5L/3.0L - Prior VIN D55321	C2S 40440	1
Fuel pump sender - 2.5L/3.0L - Prior VIN D55321	C2S 40439	1
Fuel pump sender - 2.5L/3.0L - From VIN D55322	C2S 39006	1
Jet pump sender - 2.5L/3.0L - From VIN D55322	C2S 39007	1
Fuel pump sender - 2.0L - Prior VIN E42206	C2S 39005	1
Fuel pump sender - 2.0L - From VIN E42207	C2S 41299	1
Fuel pump sender - 2.0L - Diesel - Prior VIN E40769	C2S 39008	1
Fuel pump sender - 2.0L - Diesel - From VIN E40770	C2S 41299	1
Seal - 2.0L	C2S 20819	1
Seal - 2.5L/3.0L - Prior VIN D55321	C2S 8592	1
Seal - 2.5L/3.0L - From VIN D55322	C2S 34902	1
Harness	C2S 40438	1

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.

Labour Time:

Operation Description	Operation No.	Time
Install a new fuel level sender unit - 2.0L	88 25 32	1.7 hours
Install a new fuel level sender unit - 2.0L Diesel	88 25 32	1.1 hours
Install a new fuel level sender unit - Right-hand - 2.5L/3.0L	88 25 31	3.0 hours
Install a new fuel level sender unit - Left-hand - 2.5L/3.0L	88 25 30	3.0 hours
Install a new fuel level sender unit - Left-hand - 2.5L/3.0L - NA Only	88 25 30	3.1 hours
Install a new fuel level sender unit - Left and right-hand - 2.5L/3.0L - First-time repair	88 91 15	3.1 hours
Install a new fuel level sender unit - Right-hand - 2.5L/3.0L - First-time repair - NA Only	88 91 16	3.0 hours

Repair/Claim Coding:

Causal Part:	N/A
ACES Condition Code:	N/A
Defect Code:	N/A

Service Instruction

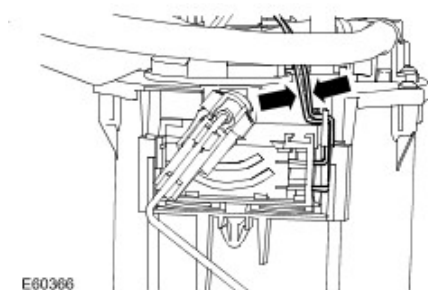
Fuel Pump Sender Replacement

First-time repair only

NOTE: There are two stages to the process for replacement of the fuel sender, one for a first-time repair, when the harness needs to be replaced, and another for any subsequent repairs when just the sender can be replaced.

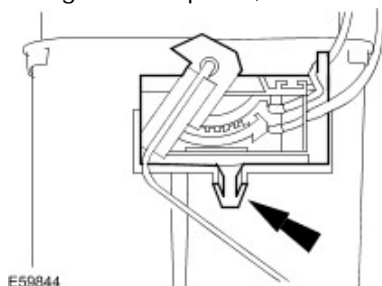
- 1 . Remove the fuel tank (see Global Technical Reference GTR Workshop Manual, section: 310-01).
- 2 . Remove the fuel pump module(s) (see Global Technical Reference GTR Workshop Manual, section: 310-01).
- 3 . Drain any remaining fuel into a suitable container
- 4 . **NOTE:** Fuel pump shown; jet pump similar.

Cut the wires to the level sender tile.



- 5 . **NOTE:** Fuel pump shown; jet pump similar.

Using suitable pliers, release the locking tang of the sender tile from the housing.



- 6 . Remove the sender tile from the module.
- 7 . Release the connector from the pump; note the orientation of the connector body as it passes through the flange.
- 8 . **NOTE:** Fuel pump shown; jet pump similar.

Depress the retaining tangs of the connector body and release the connector from the flange.



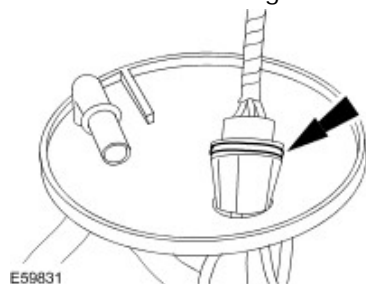
- 9 . Withdraw the harness through the flange.

Install

- 10 . **NOTE:** Fuel pump shown; jet pump similar.

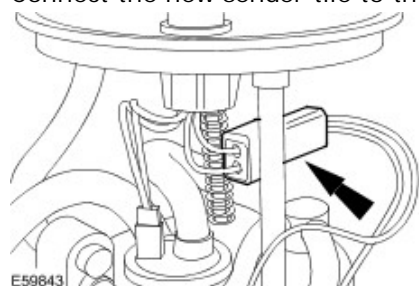
NOTE: Make sure the connector body locates firmly into the flange and that the O-ring seals to the flange.

Position the new flange harness through the flange in the same orientation as the original harness.



- 11 . Connect the new harness to the pump.
- 12 . Locate the new sender tile into the housing, making sure that the sender fully seats at each edge and that the tang clips are fully home.
- 13 . **NOTE:** Fuel pump shown; jet pump similar.

Connect the new sender tile to the harness connector.



- 14 . Install the fuel pump module(s) (see Global Technical Reference GTR Workshop Manual, section: 310-01).
- 15 . Install the fuel tank (see Global Technical Reference GTR Workshop Manual, section: 310-01).

For subsequent repairs to install a new fuel level sender

- 16 . Install a new fuel level sender unit (see Global Technical Reference GTR Workshop Manual, section: 310-01).

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