

Fuel Filter Element - VIN Range: SALLS900302->END OF 06MY (192502)

Removal



WARNING: Do not smoke or carry lighted tobacco or open flame of any type when working on or near any fuel related components. Highly flammable vapors are always present and may ignite. Failure to follow these instructions may result in personal injury.



WARNING: This procedure involves fuel handling. Be prepared for fuel spillage at all times and always observe fuel handling precautions. Failure to follow these instructions may result in personal injury.



WARNING: Do not carry or operate cellular phones when working on or near any fuel related components. Highly flammable vapors are always present and may ignite. Failure to follow these instructions may result in personal injury.



WARNING: The spilling of fuel is unavoidable during this operation. Ensure that all necessary precautions are taken to prevent fire and explosion.



WARNING: If fuel contacts the eyes, flush the eyes with cold water or eyewash solution and seek immediate medical attention.



WARNING: If taken internally, do not induce vomiting, seek immediate medical attention. Failure to follow these instructions may result in personal injury.



WARNING: Wash hands thoroughly after fuel handling, as prolonged contact may cause irritation. Should irritation develop, seek medical attention.



CAUTION: Diesel fuel injection equipment is manufactured to very precise tolerances and fine clearances. It is therefore essential that absolute cleanliness is observed when working with these components. Always install blanking plugs to any open orifices or lines. Failure to follow this instruction may result in foreign matter ingress to the fuel injection system.



CAUTION: Make sure the workshop area in which the vehicle is being worked on is as clean and as dust free as possible. Foreign matter from work on clutches, brakes or from machining or welding operations can contaminate the fuel system and may result in later malfunction.



CAUTION: Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.



CAUTION: Make sure the fuel lines are connected to the correct fuel line connector on the fuel filter. Failure to follow these instructions may result in damage to the engine or fuel injection system.

NOTE:

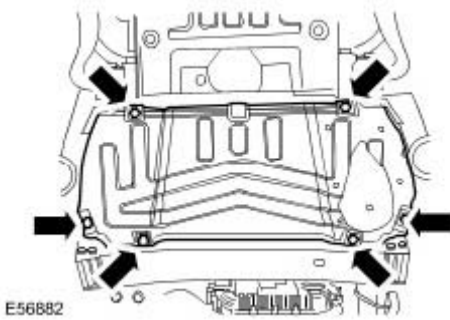
Before disconnecting the battery, make sure all text and cautions in the battery disconnect section are observed.

1. Disconnect the battery ground cable. For additional information, refer to Specifications
- 2.

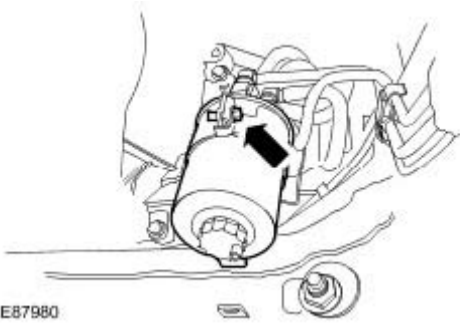


WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands. Raise and support the vehicle.

3. Remove the transmission undershield.
Remove the six retaining bolts.




4. Release the fuel filter from its bracket.
Remove the bolt.



5. Remove the fuel filter bracket.
Remove the 2 bolts.



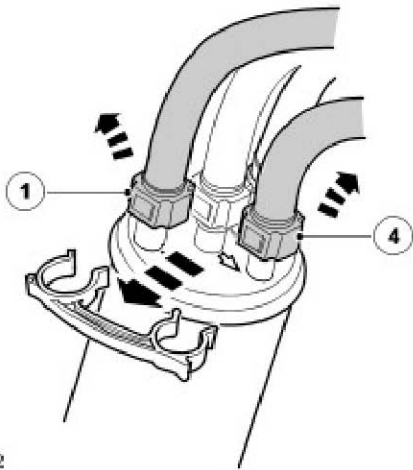
6.  **CAUTION:** Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTE:

Note the fitted position of the fuel lines to the fuel filter connections.

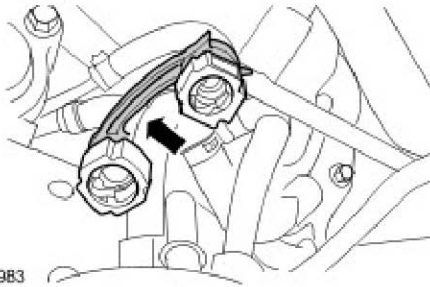
Release and disconnect the fuel supply line from the tank, (yellow connector number 1) and the fuel tank vent line, (small blue connector number 4) from the fuel filter.

Position a container to collect the fuel spillage.
Remove the link clip.



E87982

7. Install the link clip to hold lines 1 and 4 together.



E87983

8.



CAUTION: Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

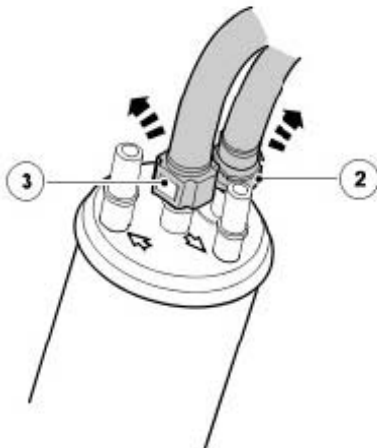
NOTE:

Note the fitted position of the fuel lines to the fuel filter connections.

Remove the fuel filter.

Release and disconnect the fuel supply line to the high pressure (HP) fuel pump. (large blue connector number 3)

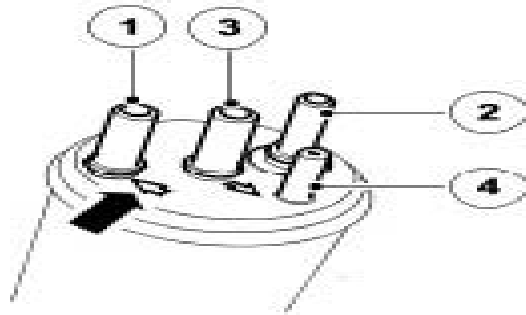
Release and disconnect the fuel cooler return line. (white connector number 2)



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Installation

1. Position fuel filter, so that arrow by number 1 port, is pointing towards the front of the vehicle.



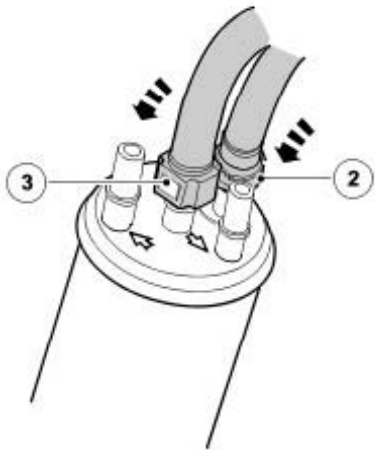
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2. NOTE: Note the fitted position of the fuel lines to the fuel filter connections.

Install the fuel filter.

Connect the fuel cooler return line. (white connector number 2)

Connect the HP fuel pump supply line. (large blue connector number 3)



E87985

3.

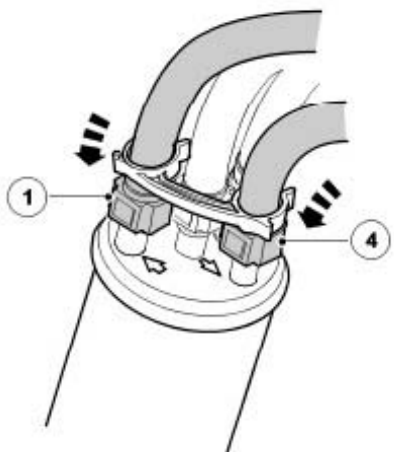


CAUTION: Make sure that the link clip is correctly fitted.

Connect the 2 remaining lines to the fuel filter.

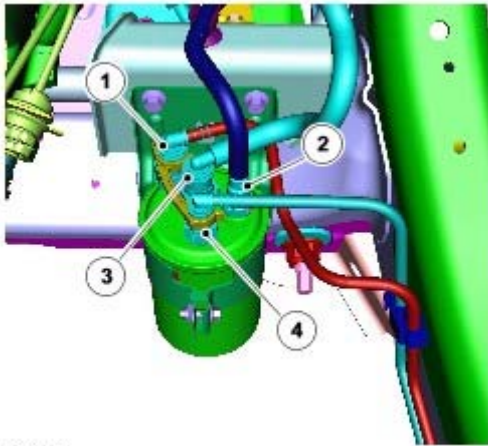
Connect the fuel supply line from the fuel tank. (yellow connector number 1)

Connect the vent line from the fuel tank. (small blue connector number 4)



E87986

4. Correct connector and line installation shown.



E87987

5. Install the fuel filter support bracket.

Install the 2 bolts and tighten to 10 Nm (7 lb.ft).

6. Secure the fuel filter in its bracket.

Align the fuel filter to the retaining bracket.

Install the retaining bolt and tighten to 10 Nm (7 lb.ft).

Remove the container.

7. Install the transmission undershield.

Install the six bolts and tighten to 10 Nm (7 lb.ft).

8. Connect the battery ground cable.

For additional information, refer to Specifications

9. Bleed the fuel system.

For additional information, refer to Low-Pressure Fuel System Bleeding (19.50.07)