

Fluid Pump - 4.2L/4.4L (60.60.10)

Removal



CAUTION: Dynamic Response system components are manufactured to very precise tolerances. 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 dynamic response system.

1. Disconnect the battery ground cable.
For additional information, refer to [Specifications](#)

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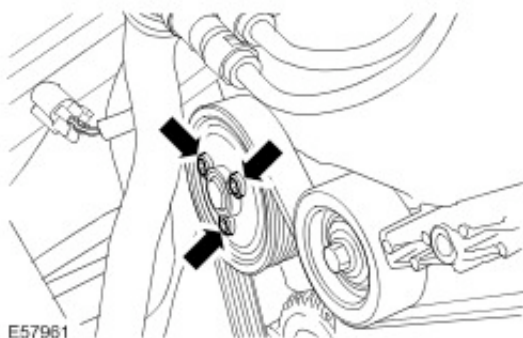
WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.


Raise and support the vehicle.

3. Remove the air cleaner assembly.
For additional information, refer to [Air Cleaner \(19.10.01\)](#)
4. Remove the viscous fan assembly.
For additional information, refer to [Cooling Fan \(26.25.19\)](#)
5. Remove the front RH fender splash shield.
For additional information, refer to [Fender Splash Shield \(76.10.48\)](#)
6. **NOTE:**
Loosen the bolts prior to removing the accessory drive belt.

Loosen the fluid pump drive pulley retaining bolts.

 Loosen the 3 Torx bolts.



7. Release the tension from the belt.
 Remove the accessory drive belt.



- 8 . Remove the fluid pump drive pulley.
 - ▶ Remove the 3 bolts.

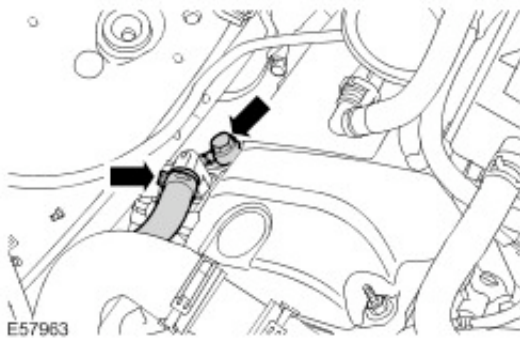
- 9  **CAUTION:** Before disconnecting or removing the components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTE:

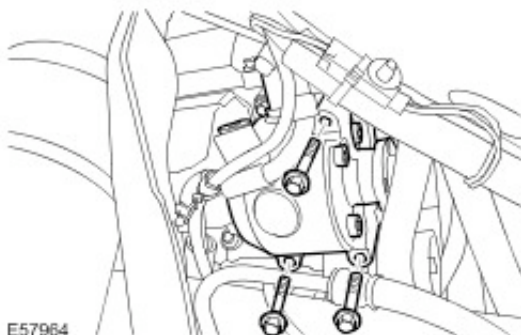
Some fluid spillage is inevitable during this operation.

Disconnect the fluid pump hoses.

- ▶ Clamp the fluid pump to reservoir hose.
- ▶ Release the hose clip.
- ▶ Disconnect the hoses.
- ▶ Discard the O-ring seals.






- 10 . Remove the fluid pump.
 - ▶ Remove the 3 bolts.



Installation

1 . Install the fluid pump.






-  Clean the locating dowels.
-  Install and tighten the bolts to 22 Nm (16 lb.ft).
-  Prime the pump with clean fluid.

2 .




CAUTION: Make sure both O-ring seals are correctly installed on the high pressure union.

Connect the hoses.

-  Clean the component mating faces.
-  Lubricate and install new O-rings to the high-pressure union.
-  Tighten the union to 35 Nm (26 lb.ft).
-  Install the hose clip.
-  Remove the hose clamp.

3 . Install the fluid pump drive pulley.

-  Install the Torx bolts, but do not tighten fully at this stage.

4 . Install the belt.

5 . Tighten the fluid pump drive pulley retaining bolts to 22 Nm (16 lb.ft).

6 . Install the viscous fan assembly.

For additional information, refer to [Cooling Fan \(26.25.19\)](#)

7 . Install the fender splash shield.

For additional information, refer to [Fender Splash Shield \(76.10.48\)](#)

8 . Install the air cleaner assembly.


For additional information, refer to [Air Cleaner \(19.10.01\)](#)

9 . Refill the fluid reservoir.

10 . Connect the battery ground lead, tighten the nut to 5 Nm (4 lb.ft).

For additional information, refer to [Specifications](#)

11 . Make sure there is fluid circulation through the reservoir.

-  Start the engine and allow to idle.