

Valve Block to Rear Stabilizer Bar Actuator Pipe Assembly

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.

NOTE:

The valve block seals do not require replacement unless there is evidence of a fluid leak.

1



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.


2. Remove the rear bumper cover.

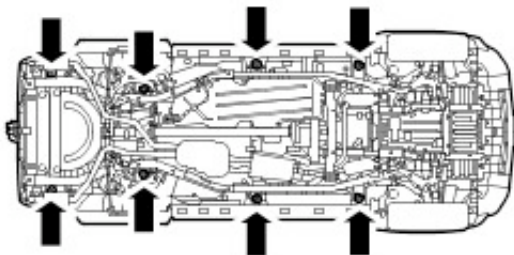
For additional information, refer to [Rear Bumper Cover \(76.22.74\)](#)

3. Remove the spare wheel and tire.

4. Remove the rear wheels and tires.

5. Remove the body mount retaining bolts.

 Remove the 8 bolts.



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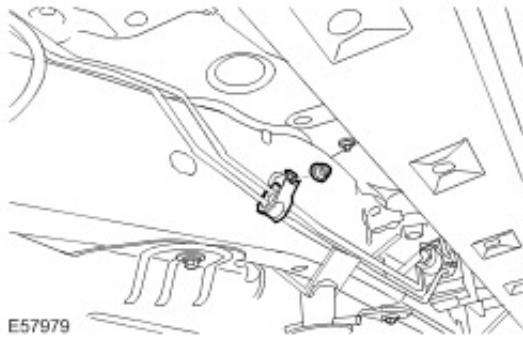


CAUTION: Only raise the body sufficiently to remove the valve block to rear stabilizer bar actuator pipe.

Using suitable stands, raise the body.

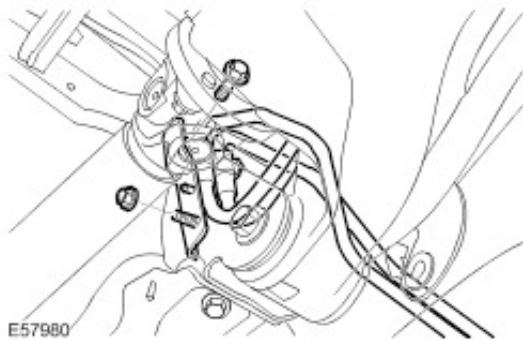
7. Release the valve block to rear stabilizer bar actuator pipe assembly mounting.

 Remove the nut.



8 . Release the valve block to rear stabilizer bar actuator pipe assembly mounting.

- ▶ Remove the nut.
- ▶ Remove the bolt.
- ▶ Remove the bracket.



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.



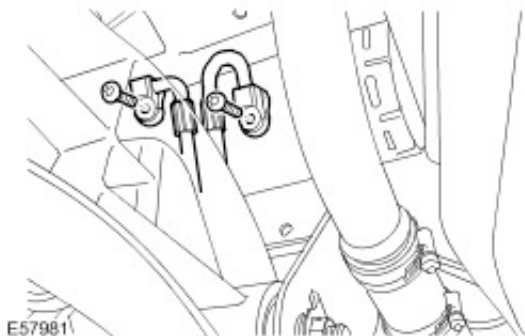
CAUTION: Make sure the actuator fluid lines are not damaged or kinked during removal or installation.

NOTE:

Some fluid spillage is inevitable during this operation.

Disconnect the fluid lines from the actuator.

- ▶ Position container to collect fluid loss.
- ▶ Remove the 2 bolts.
- ▶ Remove and discard the O-ring seals.
- ▶ Remove and discard the plastic spacer washers.
- ▶ Install blanking caps to the exposed ports.



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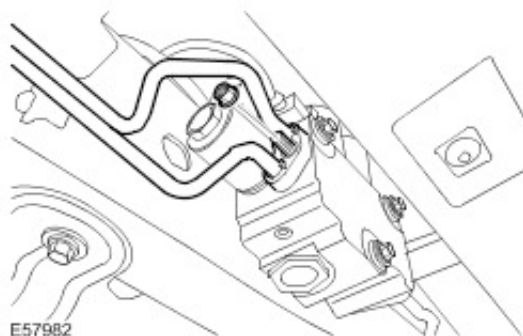
CAUTION: Before disconnecting or removing the components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTE:

Some fluid spillage is inevitable during this operation.

Disconnect the rear actuator pipes from the valve block.

- ▶ Position a container to collect the fluid spillage.
- ▶ Remove and discard the nut.

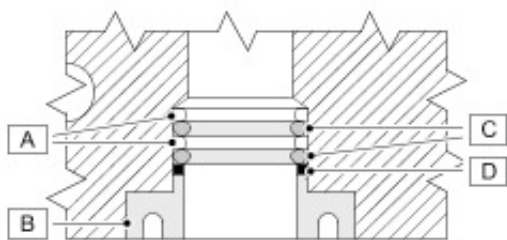


11 . Remove the valve block to rear stabilizer bar actuator pipe assembly.

Installation

1 . Check the valve block O-rings and plastic spacer washers are correctly installed.

- ▶ A: Backing rings (white)
- ▶ B: Outer clamping ring
- ▶ C: O-ring seals
- ▶ D: Outer backing ring (Black)






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2 .  **CAUTION: Make sure the actuator fluid lines are not damaged or kinked during removal or installation.**


Install the valve block to rear stabilizer bar actuator pipe assembly.

3 . **NOTE:**
Some fluid spillage is inevitable during this operation.

Connect the rear actuator pipes to the valve block.





-  Remove the blanking caps from the ports.
-  Install a new nut and tighten to 22 Nm (16 lb.ft).
-  Remove the container.

4 .  **CAUTION: Make sure the actuator fluid lines are not damaged or kinked during removal or installation.**



 **CAUTION: Care must be taken to avoid damage to the plastic spacer washers and O-ring seals during installation of the fluid lines to the actuator.**

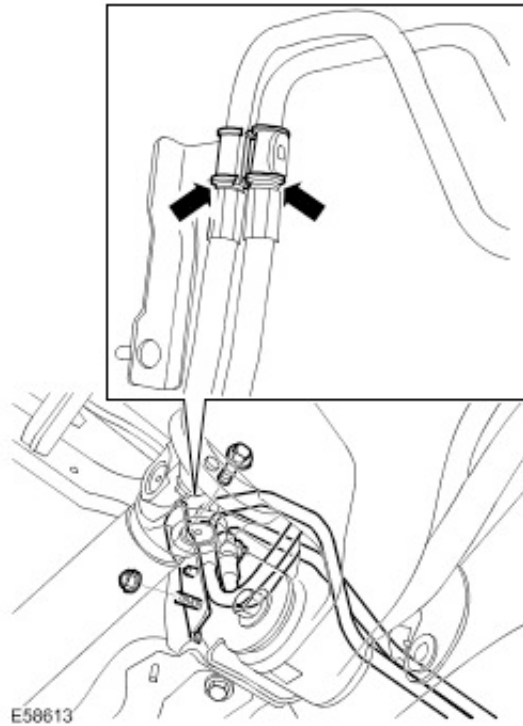
NOTE:
Some fluid spillage is inevitable during this operation.

Connect the fluid lines to the actuator.

-  Clean the component mating faces.
-  Remove the blanking caps from the ports.
-  Install new plastic spacer washers and O-ring seals.
-  Tighten the 2 bolts to 22 Nm (16 lb.ft).

5 . Secure the valve block to rear stabilizer bar actuator pipe assembly mounting.

-  Install the bracket.
-  Install the nut and bolt and tighten to 9 Nm (7 lb.ft).



- 6 . Secure the valve block to rear stabilizer bar actuator pipe assembly mounting.
 - ▶ Tighten the nut to 9 Nm (7 lb.ft)

- 7 . Bleed the rear of the Dynamic Response system using T4.
For additional information, refer to [Active Stabilization System Bleeding \(60.60.13\)](#)

- 8 . Lower the body.
 - ▶ Remove the stands.

- 9 . Install the body mount retaining bolts.
 - ▶ Tighten the 8 retaining bolts to 133 Nm (98 lb.ft).

- 10 . Install the wheels and tires.
 - ▶ Tighten the wheel nuts to 140 Nm (103 lb.ft).

- 11 . Install the spare wheel and tire.

- 12 . Install the rear bumper cover.
For additional information, refer to [Rear Bumper Cover \(76.22.74\)](#)