

## Front Stabilizer Bar (60.60.50)

### 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



**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 front wheels and tires.

3. Remove the front driveshaft.

For additional information, refer to [Front Driveshaft - 4.2L, Vehicles With: Supercharger \(47.15.02\)](#)

4



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








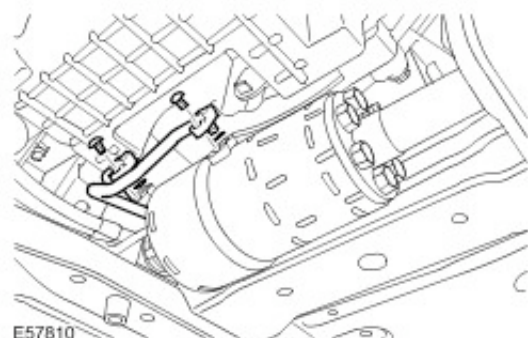
**CAUTION:** Make sure the actuator fluid lines are not damaged or kinked during removal or installation.

#### 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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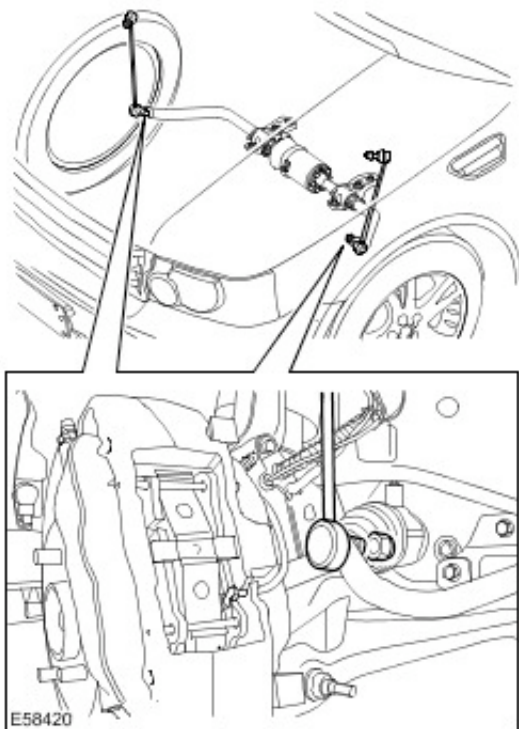
**CAUTION:** Note the position of the hardened steel washer. The hardened steel washer must be installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.



**CAUTION:** Use a Torx socket to prevent the ball joint rotating whilst removing the nut.

Disconnect both the stabilizer bar links from the stabilizer bar.


 Remove and discard the 2 nuts.



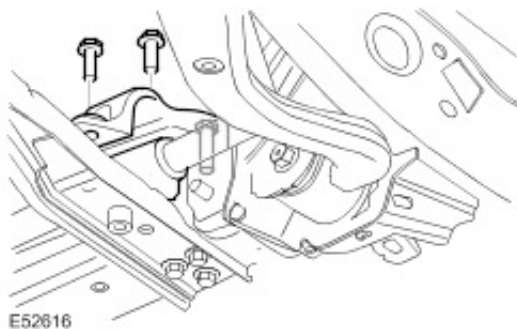
6 . **NOTE:**


Left-hand shown, right-hand similar.

Remove the stabilizer bar bushings.


 Remove the 6 bolts.

 Remove the stabilizer bar clamps.

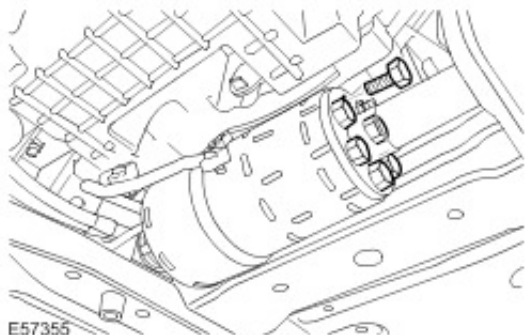


- 7 .  **CAUTION: Make sure the actuator bleed nipple is not damaged when removing or installing the LH stabilizer bar.**

Remove the LH stabilizer bar from the Dynamic Response actuator.


-  Remove and discard the 6 bolts.

- 8 . Remove the RH stabilizer bar and Dynamic Response actuator assembly.





## Installation





- 1 . Install the RH stabilizer bar and Dynamic Response actuator assembly.


- 2 .  **CAUTION: Make sure the actuator bleed nipple is not damaged when removing or installing the LH stabilizer bar.**

Install the LH stabilizer bar to the Dynamic Response actuator.

-  Clean the component mating faces.
-  Install 6 new bolts and tighten to 120 Nm (89 lb.ft).

- 3 . Install the stabilizer bar bushings.

-  Clean the components.
-  Install the stabilizer bar clamps.
-  Install the 6 bolts.
-  Tighten the bolts to 115 Nm (85 lb.ft).

- 4 .  **CAUTION: Make sure the hardened steel washer is installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.**

 **CAUTION: Use a Torx socket to prevent the ball joint rotating whilst installing the nut.**

Connect the LH stabilizer bar link.

-  Install a new nut and tighten to 175 Nm (129 lb.ft).

5



**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).

6 . Bleed the front of the Dynamic Response system using T4.

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**CAUTION: Make sure the hardened steel washer is installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.**



**CAUTION: Use a Torx socket to prevent the ball joint rotating whilst installing the nut.**


Connect the RH stabilizer bar link.

-  Install a new nut and tighten to 175 Nm (129 lb.ft).

8 . Install the front driveshaft.

For additional information, refer to [Front Driveshaft - 4.2L, Vehicles With: Supercharger \(47.15.02\)](#)

9 . Install the front wheels and tires.

-  Tighten the wheel nuts to 140 Nm (103 lb.ft).