



Sedan Range

DATE 9/95

19.7-01

**SERVICE**

## **TECHNICAL BULLETIN**

### **Powertrain 4L80-E Transmission – Noisy Rear Mount – Modification Procedure**

**MODEL** 1995 MY  
XJR & XJ12  
**VIN** XJR 720001-734671  
XJ12 720001-738561

#### **ISSUE:**

Some vehicles equipped with Powertrain 4L80-E transmissions within the above VIN ranges, may exhibit a knock or squeak from the area of the transmission tunnel. The noise may be traced to movement of the damper peg of the rear transmission mounting against the surrounding foam bush.

An improved peg and bush was introduced in production from VIN 734672 for the XJR and 738562 for the XJ12.

#### **ACTION:**

In case of a customer complaint of transmission mount noise on a 1995 MY XJR or XJ12 within the above VIN ranges, follow the applicable instructions below:

#### XJR MODELS

1. Place vehicle on lift. Disconnect the battery negative cable.
2. Raise the vehicle and loosen the clamp at the joint of the exhaust system downpipe to the intermediate pipe. Disconnect the intermediate pipe from the downpipe.
3. Lower the vehicle and cover the fenders.
4. Remove the 2 intake manifold nuts at the rear and disconnect the engine ground lead. Install an engine lifting bracket (18G 1465) on the manifold studs.
5. Align tool set MS53 on the fender channels and with the rear lifting bracket. Tighten the nut of the support hook to support the engine.
6. Raise the vehicle and remove the center mounting bolt (illustration 1) and the rebound washer from the transmission mount.
7. Position suitable wooden blocks between a jack and the rear mounting bracket. Raise the jack, so that in its almost fully extended position, it supports the rear mounting bracket tightly against the body.
8. Remove the 4 nuts and washers that retain the mounting bracket.
9. Carefully lower the jack until the tension in the two springs is released. Lower the jack until the bracket, springs, center weight and spacers can be removed.
10. Remove the bush from the bracket.
11. Remove the peg and the upper spring cup from the transmission. Discard the upper and lower rubber spring seats.

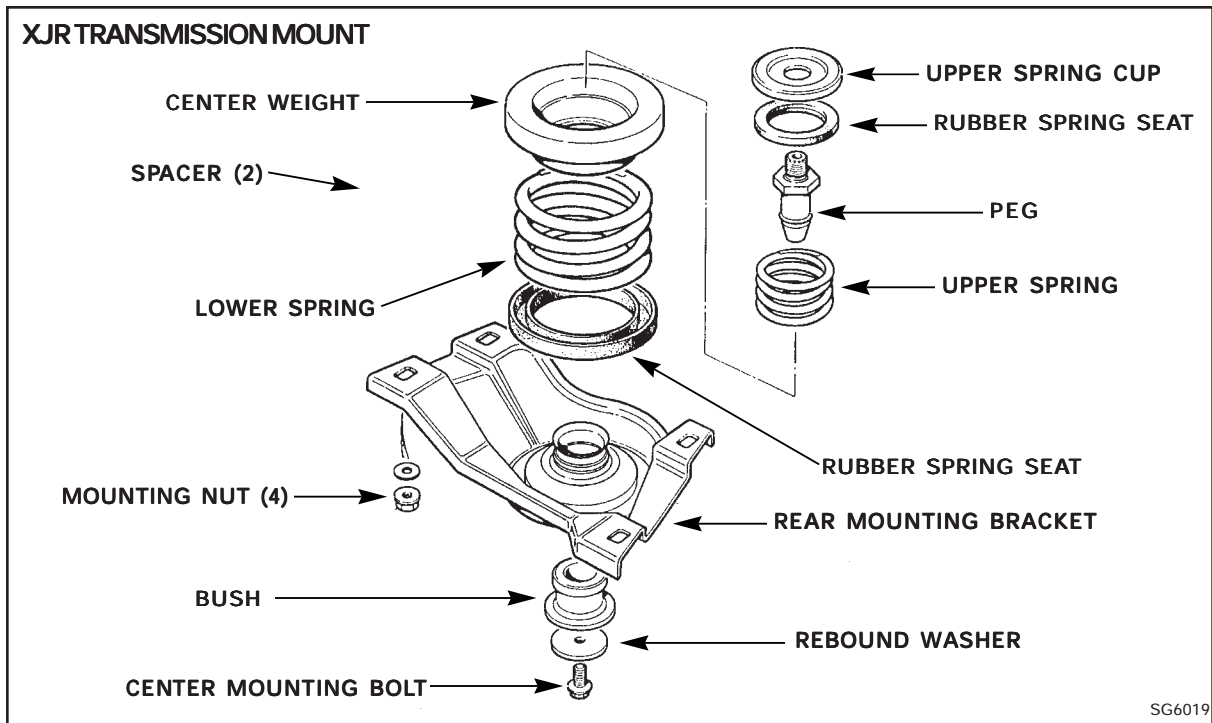


ILLUSTRATION 1

12. Clean the bracket, the upper and lower springs, the center weight, and the adjoining faces.

**CAUTION:** Oil and grease must not be allowed to contaminate the replacement bush.

13. Install the replacement peg with the upper spring cup on the transmission. Torque the peg to 67.5 - 81.5 lb ft (90 - 110 Nm).
14. Install new upper and lower rubber spring seats to the upper and lower springs.
15. Install the replacement bush in the mounting bracket.
16. Position the springs, center weight, and spring seats in the mounting bracket.
17. Position the bracket and spacers on the body and support the assembly with the jack.
18. Raise the jack, compressing the two springs, until the bracket and spacers completely contact the vehicle body, ensuring that the peg is centered in the bush. Install the retaining nuts and washers.
19. Remove the jack and lower the vehicle.
20. Remove the engine support MS53.
21. Remove the lifting bracket from the intake manifold. Reconnect the engine ground lead and reinstall the two manifold nuts. Remove the fender covers.
22. Raise the vehicle and install the center mounting bolt and the rebound washer.

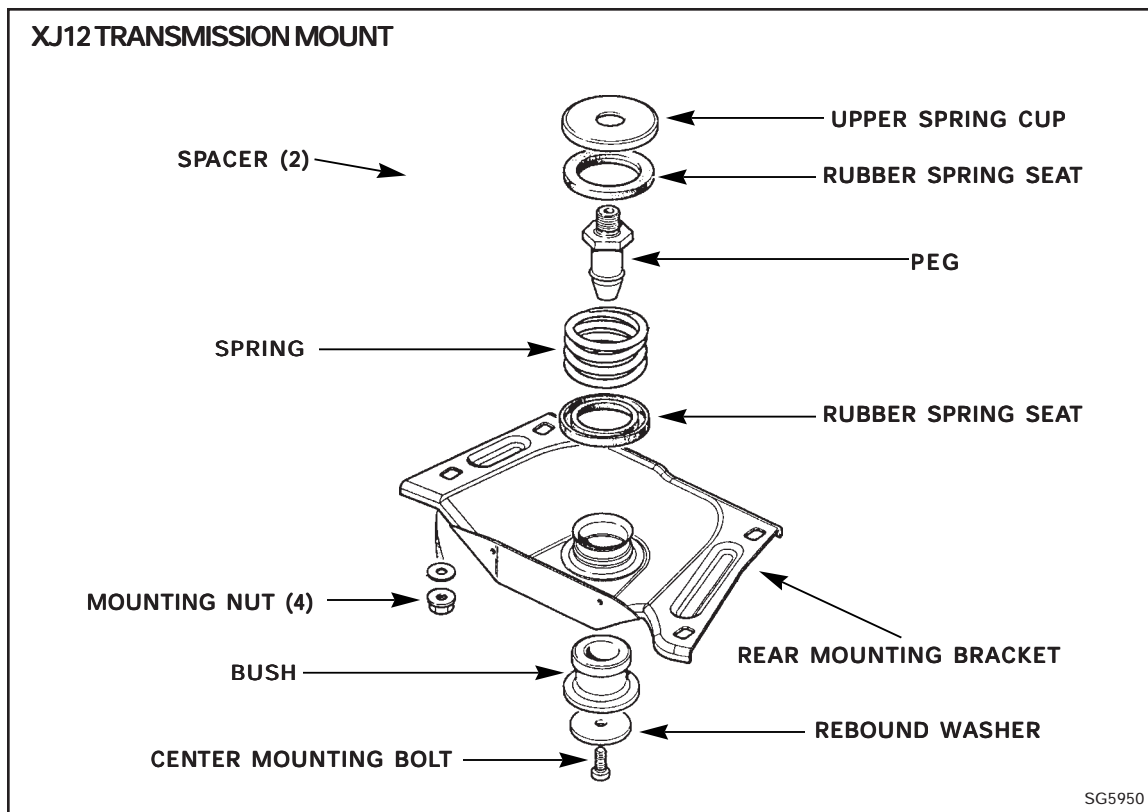


ILLUSTRATION 2

23. Reconnect the intermediate exhaust pipe to the downpipe and align and tighten the clamp.
24. Lower the vehicle, reconnect the battery negative cable, and reset the clock.

#### XJ12 MODELS

1. Place vehicle on lift. Disconnect the battery negative cable.
2. Raise the vehicle and remove the underfloor catalytic converter section of the exhaust system.
3. Lower the vehicle and cover the fenders. Align tool set MS53 on the fender channels and with the rear lifting eyes of the engine. Tighten the nuts of the support hooks to support the engine.
4. After raising the vehicle, remove the center mounting bolt (Illustration 2) and the rebound washer from the transmission rear mount.
5. Position suitable wooden blocks between a jack and the rear mounting bracket. Raise the jack, so that in its almost fully extended position, it supports the rear mounting bracket tightly against the body.
6. Remove the 4 nuts and washers that retain the mounting bracket (Illustration 2).
7. Carefully lower the jack until the tension in the spring is released. Lower the jack until the bracket, spring and spacers can be removed.
8. Remove the bush from the bracket.

9. Remove the peg and the upper spring cup from the transmission. Discard the upper and lower rubber spring seats.
10. Clean the bracket, the spring, and the adjoining faces.

**CAUTION:** Oil and grease must not be allowed to contaminate the replacement bush.

11. Install the replacement peg with the upper spring cup on the transmission. Torque the peg to 67.5 - 81.5 lb ft (90 - 110 Nm).
12. Install the replacement bush on the mounting bracket.
13. Install new upper and lower rubber spring seats on the spring.
14. Align the spring on the mounting bracket. Align the bracket and spacers to the body and support the assembly with the jack.
15. Raise the jack, compressing the spring, until the bracket and spacers completely contact the vehicle body, ensuring that the peg is centered in the bush. Install the retaining nuts and washers.
16. Remove the jack and lower the vehicle.
17. Remove the engine support MS53.
18. Raise the vehicle and install the rebound washer and the center mounting bolt (Illustration 2).
19. Install the underfloor catalytic converter section of the exhaust system.
20. Lower the vehicle, reconnect the battery negative cable, and reset the clock.

## PARTS INFORMATION:

| <u>DESCRIPTION</u>          | <u>PART NUMBER</u> | <u>QTY</u> |
|-----------------------------|--------------------|------------|
| Damper Peg                  | MNA 7554BA         | 1          |
| Bush                        | MMC 7553AA         | 1          |
| Spring seat - rubber (XJ12) | CCC 3764           | 2          |
| Spring seat - upper         | CCC 5849           | 1          |
| Spring seat - lower         | CCC 5853           | 1          |

## WARRANTY INFORMATION:

| <u>MODEL</u> | <u>FAULT CODE</u> | <u>R.O. NUMBER</u> | <u>DESCRIPTION</u>         | <u>TIME ALLOWANCE</u> |
|--------------|-------------------|--------------------|----------------------------|-----------------------|
| XJR (2314)   | FQ FB GX          | 12.91.21           | Rear Peg and Bush, Replace | 0.70 hrs.             |
| XJ12 (2512)  | FQ FB GX          | 12.91.21           | Rear Peg and Bush, Replace | 1.40 hrs.             |