Rear Cross-Member: Service and Repair

SEC. 431

When installing each rubber part, final tightening must be carried out under unladen condition* with tires on ground.
* Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

*: N-m (kg-m, ft-lb)

1. Washer
2. Bushing
3. Shock absorber mounting seal
4. Shock absorber mounting bracket
5. Distance tube
6. Bushing
7. Bound bumper cover
8. Bound bumper
9. Coil spring
10. Shock absorber
11. Torsion beam
12. Control rod
13. Lateral link
14. ABS sensor
15. Suspension member

REMOVAL

CAUTION:
- Before removing the rear suspension assembly, disconnect the ABS wheel sensor from the assembly. Failure to do so may result in damage to the sensor wires and the sensor becoming inoperative.
- Remove suspension assembly.

1. Remove tires, then remove brake hose lock plate.
2. Disconnect parking brake cable from caliper and remove brake caliper and rotor.
   Suspend caliper assembly with wire so as not to stretch brake hose.
   Be careful not to depress brake pedal, or piston will pop out. Make sure brake hose is not twisted.

3. Using a transmission jack, raise torsion beam a little, and remove nuts and bolts from the trailing arm, shock absorber assembly (lower side) and lateral link.
4. Lower transmission jack, and remove suspension.
5. Remove trunk room trim.
6. Remove strut securing nuts (upper side). Then pull out strut assembly.

**INSTALLATION**
- Install suspension assembly.

**CAUTION:** Refill with new brake fluid "DOT 3". Never reuse drained brake fluid.

1. Install suspension member.
   a. Temporarily tighten bolt 5.
   b. Tighten all bolts in numerical order shown in the figure. Tightening torque: Refer to Diagrams; Exploded Views.
2. Attach control rod to lateral link. Do not tighten bolts at this time.
3. Attach lateral link, control rod and torsion beam to vehicle. Do not tighten bolts at this time.

4. Using a transmission jack to lift the torsion beam, place lateral link and control rod horizontally against torsion beam. Tighten bolts and nuts to specified torque.

5. Tighten lateral link at suspension member.
6. Attach shock absorber assembly to vehicle. Then tighten the upper side of shock absorber assembly.
7. Remove transmission jack and lower torsion beam so that the shock absorber assembly reaches full extension. Tighten torsion beam and lower side of shock absorber assembly to specified torque.