



INSTRUCTION SHEET #2800074 **STRUT TOWER REPAIR KIT**

REPAIR PROCEDURES:

WARNING: DURING THIS PROCEDURE PROPER SAFETY EQUIPMENT MUST BE USED TO PROTECT EYES, RESPIRATORY SYSTEM, AND HANDS.

1. Remove and store the battery.
2. Remove and store hood.
3. Remove wiper arms and cowl cover.
4. Remove the wiper unit/tub.
5. Remove hood hinge arms.
6. Remove fasteners securing the power distribution center. Position the power distribution center to access the area around the strut tower.
7. Remove hood release cable from clamps on upper rail and left strut tower then route around the engine side of strut tower.
8. Remove hood alarm switch, if equipped (Fig. 1).

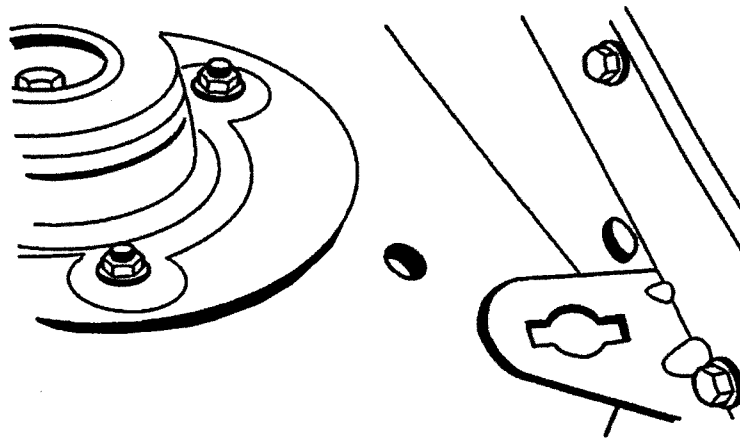


Fig. 1
Switch Mount with Switch Removed

9. Remove power steering fluid reservoir mounting screws and position reservoir away from right strut tower (Fig. 2).



Fig. 2
Place Power Steering Reservoir Away From Work Area

10. Remove clamp holding air conditioning hose on inside of right strut tower and position hose away from strut tower (Fig. 3).

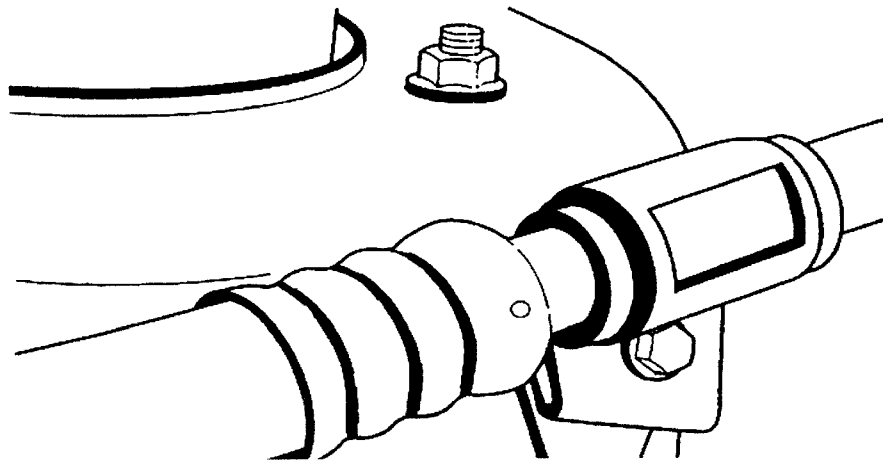


Fig. 3
Move Air Conditioning Hose Away From Work Area

11. Remove all corrosion damaged sheet metal material making sure to remove all traces of corrosion.
12. Place repair cap on the strut tower for a dry fit. Minor adjustments may be required to get the cap over the strut. Adjustments may include removal of a small amount of material from the rear bottom edge of the cap (no more than 1/8" should be required). The new cap should fit securely in place with no more than 1/8" gap at any location.
13. Using a drill motor and a 7/32" drill bit, drill the 3 holes into upper strut tower and the inner load path beam through the three guide holes in the new cap (Fig. 4).

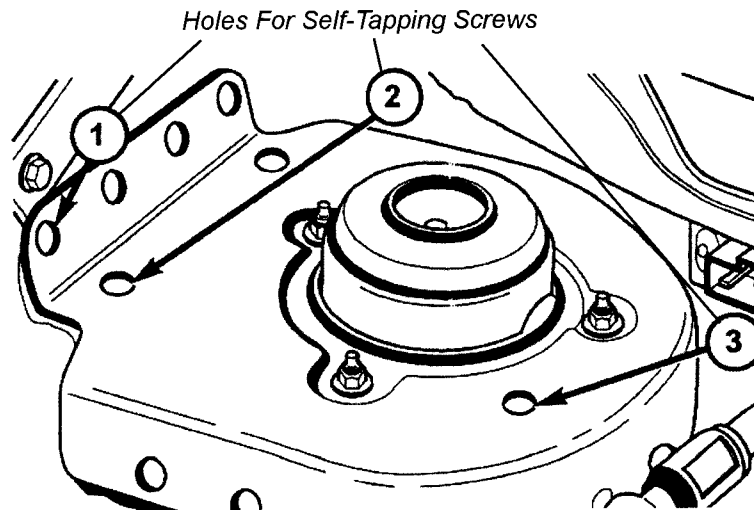


Fig. 4
Cap With Holes Drilled For Self-Tapping Screws and Rivets

14. Secure cap(s) by loosely installing the three per side, self-tapping screws into the holes made in the previous step.
15. Using a 9/32" drill bit and the holes in the new cap as a guide, drill the remaining holes in the strut tower and upper load path beam.
16. When the new cap is in position install the self-tapping screws through the cap, into the tower (Fig. 5).

NOTE: MASKING OFF THE TOP OF THE STRUT ASSEMBLY AND STRUT MOUNTING BOLTS MAY HELP WITH CLEAN-UP LATER.

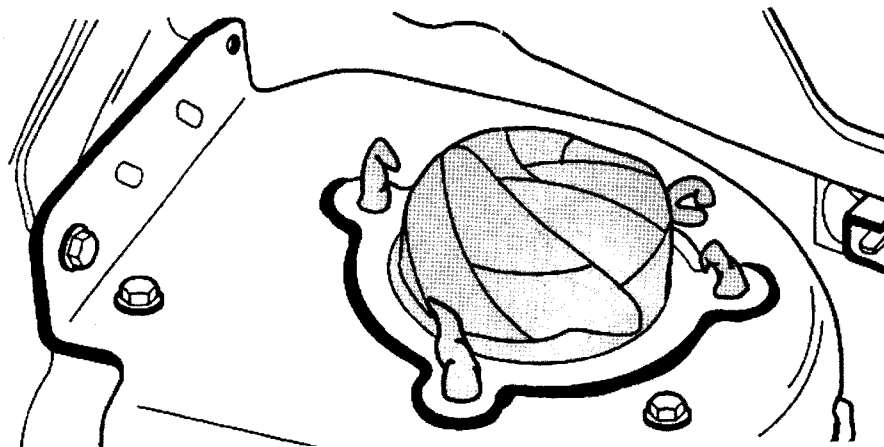


Fig. 5
Insert Self-Tapping Screws

17. Insert the structural rivets around the perimeter, through the cap, into the tower side apron (Fig. 6).

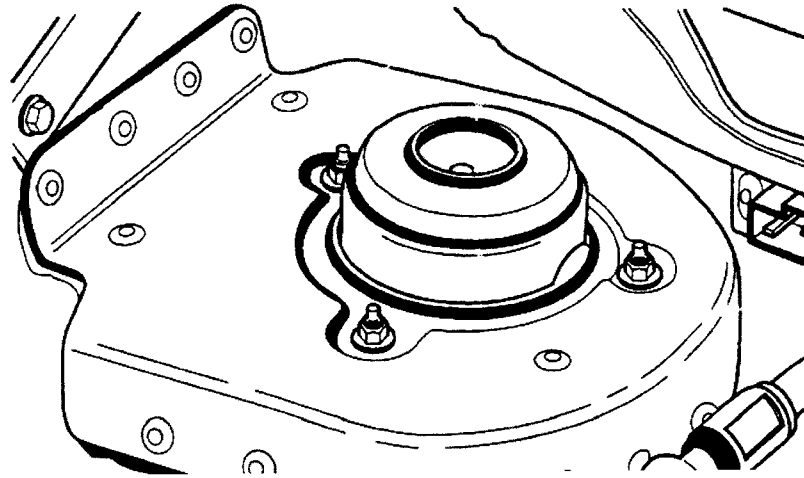


Fig. 6
Insert Structural Rivets Around Cap

18. Remove the 3 or 6 self-tapping screws, drill the holes using the 9/32" drill bit, and install the structural rivets.
19. Once installed, clean, sand, mask, prime, and paint the repaired areas necessary (Fig. 7).

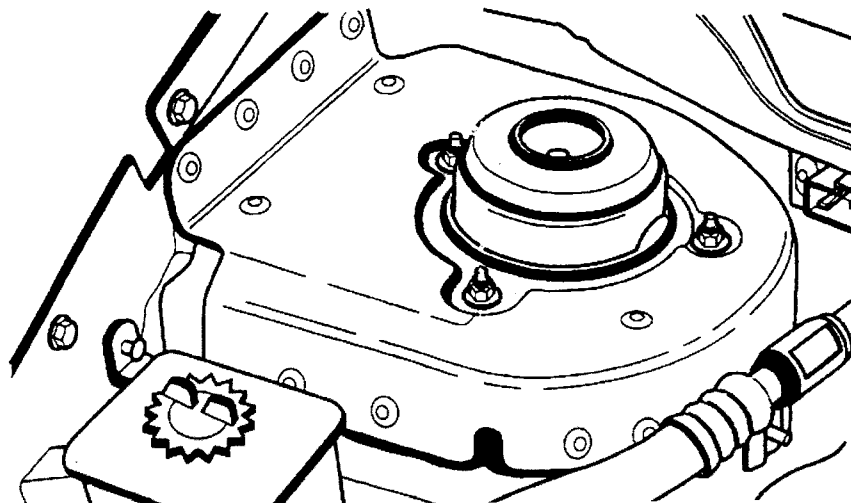


Fig. 7
Once Painted, Reassemble the Vehicle

20. Reassemble the vehicle.
21. Clean and detail the vehicle for delivery.