



Sedan Range

DATE 11/96  
Amended 12/97

10-10

SERVICE

## TECHNICAL BULLETIN

### Upper Steering Column – Replacement Procedure – Not In Vehicle Service Manual

MODEL 1995-97 MY  
Sedan Range  
VIN 720001-812255

Remove and destroy Bulletin 10-10 amended 4/97.  
Replace with this Bulletin.  
Refer to the Technical Bulletin 10-12 dated 12/97 for the  
repair of seized steering column tilt motors.

#### ISSUE:

The XJ6-XJ12 Vehicle Service Manual for 1995-97 Sedan Range vehicles does not cover upper steering column replacement. This bulletin provides a procedure.

#### ACTION:

##### REMOVING UPPER STEERING COLUMN

1. Move the driver's seat fully to the rear.
2. Disconnect the battery negative cable.
3. Remove the dash liner on the driver's side. Refer to section 13.3.2.1 of the XJ6 - XJ12 Vehicle Service Manual.
4. After removing the two screws, lower the steering column cowl enough to disconnect the connectors for the instrument dimmer control and column motor. Refer to section 13.3.3.1 of the XJ6-XJ12 Vehicle Service Manual.
5. Remove the nut and bolt securing the upper steering column to the universal joint.

**▲ WARNING:** Disconnect the battery for a minimum of 1 minute before working on the airbag.

6. Turn the steering wheel 90° from the straight ahead position. Completely loosen one airbag module bolt (bolt remains captive). Turn the steering wheel 180° for access to the other bolt. Completely loosen the other bolt.
7. Release the airbag module, disconnect the harness connectors and remove the module.
8. Release and disconnect the connector for the horn harness.
9. Center the steering wheel. After removing the retaining bolt, remove the steering wheel from the shaft. Pull the horn and airbag harness through the opening in the steering wheel, allowing it to be removed.



10. Disconnect the following connectors:
  - Tilt motor to fascia harness
  - Ignition switch to fascia harness
  - Airbag harness to cabin harness
  - Direction indicator switchgear to fascia harness
  - Windshield wiper and washer switchgear to fascia harness
  - Dimmer module to fascia harness
  - Audible warning speaker to harness
11. Remove the two nuts and bolts that secure the lower end of the column to the mounting bracket. Remove the two nuts from the upper bracket.
12. Pull the upper steering column out of the universal joint.
13. Remove the two securing screws and remove the upper cowl from the column.
14. Remove the four screws and nuts from the switchgear mounting bracket. Refer to section 13.3.3.2 of the XJ6-XJ12 Vehicle Service Manual.
15. Disconnect the connectors and remove the bracket assembly.
16. Turn the ignition key to position I, depress the retaining pin of the lock barrel and remove the barrel.

#### INSTALLING THE UPPER STEERING COLUMN

1. Insert the lock barrel into the replacement steering column by rocking the key until the barrel engages the lock mechanism. Make sure that the barrel is fully seated and that the lock pin has engaged properly.
2. Turn the ignition key off and remove the key.
3. Position the switch gear mounting bracket and connect the connectors. Secure the bracket using the four screws.
4. Install the upper cowl to the replacement steering column.
5. Position the upper steering column into the universal joint.
6. Finger tighten the two nuts to secure the steering column to the upper bracket.
7. Install and tighten the two nuts and bolts that secure the lower end of the steering column to the bracket. Torque to 15 lb. ft. (20 Nm.) Fully tighten the upper mounting nuts to 15 lb. ft. (20 Nm.)
8. Reconnect the following connectors:
  - Tilt motor to fascia harness
  - Ignition switch to fascia harness
  - Airbag harness to cabin harness
  - Direction indicator switchgear to fascia harness
  - Windshield wiper and washer switchgear to fascia harness
  - Dimmer module to fascia harness
  - Audible warning speaker to harness
9. Pass the horn and airbag harnesses through the steering wheel opening.
10. Position the steering wheel on the steering shaft and tighten the retaining bolt to 30 lb. ft. (40 Nm.)

11. Reconnect the horn harness connector.
12. Reconnect the airbag harness and position the airbag module in the steering wheel.
13. Turn the steering wheel 90° from the straight ahead position. Tighten one airbag module bolt. Turn the steering wheel 180° for access to the other bolt. Tighten the other bolt.
14. Ensure that the front wheels are in the straight ahead position and tighten the nut and bolt of the universal joint with the top of the airbag housing in the horizontal position. Torque to 13 lb. ft. (18 Nm.)
15. Reconnect the harness connectors for the instrument dimmer control and column motor.
16. Secure the lower cowl to the steering column with the two screws.
17. Reinstall the dash liner on the driver's side.
18. Reconnect the battery negative cable.
19. Return the driver's seat to the original position and reset the clock.