

# 8-26 SUSPENSION AND STEERING

Maintain adequate vacuum with the vacuum source as the air purges.

f. Release the vacuum and remove the vacuum source. Add fluid, if necessary.

g. Start the engine and cycle the steering wheel.

h. Check for oil leaks at all connections.

11. In severe cases of aeration, it may be necessary to repeat the purging procedure.

## Power Rack and Pinion Steering Gear

### REMOVAL & INSTALLATION

#### See Figures 129 thru 135

The Variable Assist Power Steering (VAPS) system used on these vehicles consists of a micro-processor based module, a power rack and pinion steering gear, an actuator valve assembly, hose assemblies and a high efficiency power steering pump.

1. Disconnect the negative battery cable.

2. From inside the vehicle, remove the nuts securing the steering column tube boot to the cowl panel.

3. Remove the two bolts retaining the steering column gear input shaft coupling to the power steering gear shaft and yoke assembly.

4. Set the steering column tube boot aside. Remove the pinch bolt at the power steering gear shaft and yoke assembly, then remove the steering column gear input shaft coupling.

5. Raise the vehicle and support safely. Remove the front wheel and tire assemblies. Support the vehicle under the rear edge of the subframe with jack stands.

6. Remove the tie rod cotter pins and nuts. Remove the left and right-side tie rod ends from the steering knuckle.

7. Mark the position of the jam nut (to maintain the alignment), then remove the tie rod ends from the spindle tie rod.

8. Remove the nuts from the gear-to-subframe attaching bolts.

9. Remove the rear subframe-to-body attaching bolts.

10. Remove the exhaust pipe-to-catalytic converter attachment.

11. Lower the vehicle carefully until the sub-

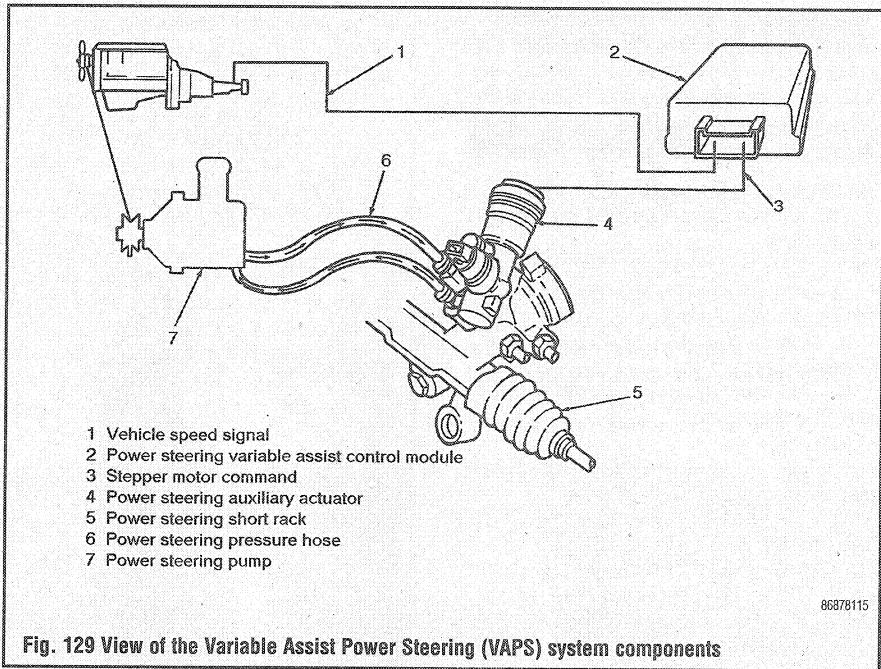


Fig. 129 View of the Variable Assist Power Steering (VAPS) system components

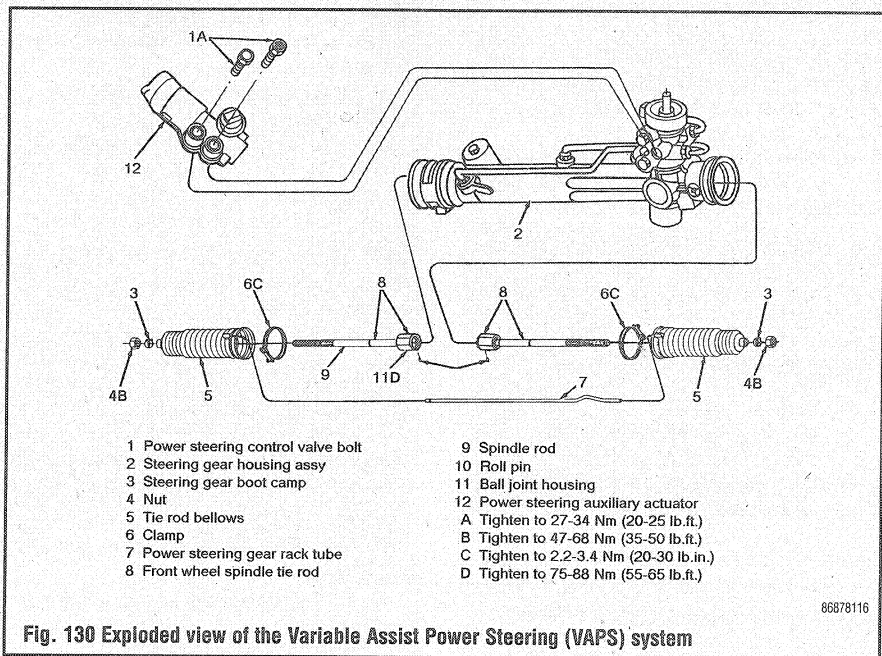


Fig. 130 Exploded view of the Variable Assist Power Steering (VAPS) system

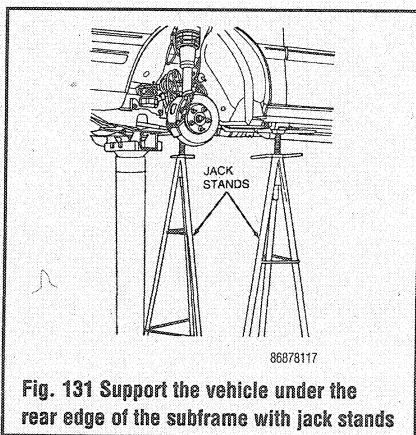


Fig. 131 Support the vehicle under the rear edge of the subframe with jack stands

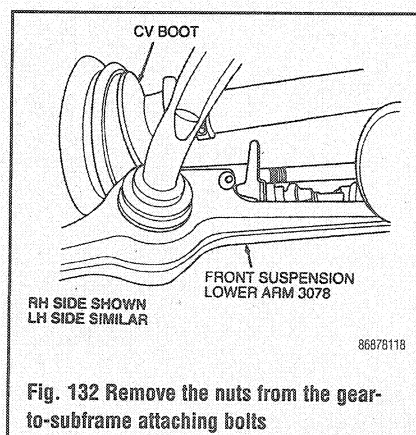


Fig. 132 Remove the nuts from the gear-to-subframe attaching bolts

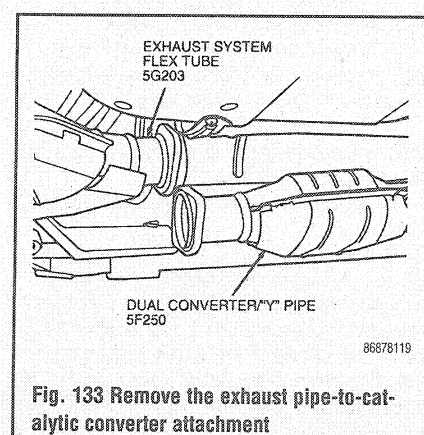


Fig. 133 Remove the exhaust pipe-to-catalytic converter attachment