

RACK AND PINION ASSEMBLY, REPLACE

REMOVAL

1. Raise car on hoist.
2. Remove both front tyre and wheel assemblies.
3. Remove both tie rod ends to steering knuckle nuts and separate tie rod ends from steering knuckles with the appropriate tool.
4. Remove the pinch bolt securing the steering column universal joint to the steering rack pinion shaft.
5. Loosen pinch bolt securing the universal joint to the intermediate shaft and slide the universal joint up the intermediate shaft sufficient to disengage universal joint from pinion shaft.
6. Remove both pairs of steering rack clamp nuts and remove the clamps.
7. Remove the lateral restraint bracket from underneath the RH rubber steering mount rack.
8. Remove rubber mounts by rotating mounts and prying them off rack and pinion assembly.
9. Slide rack and pinion assembly out from LH side of chassis frame. *Fig. 8*
10. Transfer both the rod ends to replacement unit.
4. Position lateral restraint bracket underneath the RH mounting making sure the rack assembly collar is engaged between the two (2) tabs of the restraint bracket.
5. Make sure both rubber mounts are positioned so that the rack assembly collar fits securely in each mount.
6. Position a steering rack clamp over each rubber mount and locate in chassis frame. Secure each clamp with two nuts and washers inserted through the chassis frame openings.
7. Evenly tighten the four (4) clamp nuts while checking the proper location of the rubber mount and torque to specification.
8. Position and secure the tie rod ends to steering knuckle and torque to specification.
9. With the front hub in the straight ahead position and the steering wheel centered, slide the steering column universal joint onto the rack assembly pinion shaft and secure the pinch bolt. Position the lower universal joint so as to provide maximum clearance from the chassis frame. Torque both pinch bolts to specification.
10. Reinstall tyre and wheel assemblies. Torque to specification.
11. Lower car, and with car at normal ride height, check toe-in and adjust if necessary.

INSTALLATION

1. Guide replacement rack assembly into chassis from left side.
2. Position LH rubber mount onto rack assembly and rotate the rubber mount onto its proper position.
3. Position the RH rubber mount onto the rack assembly and rotate the rubber mount into the proper position.

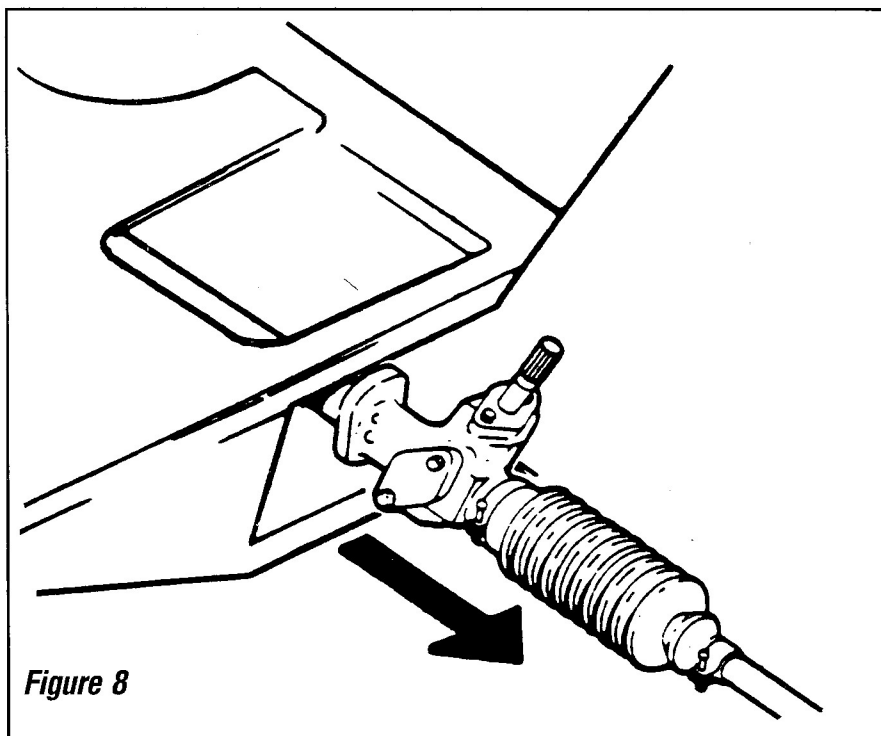


Figure 8