

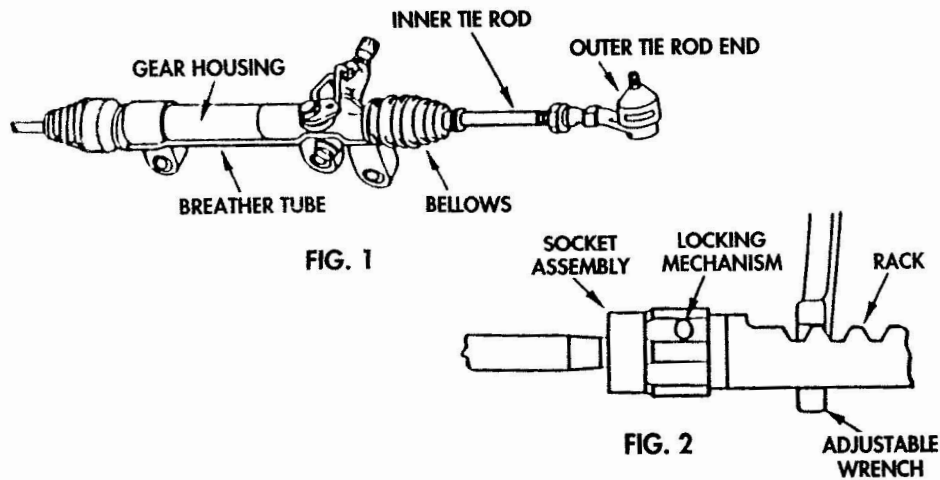
INSTALLATION INSTRUCTIONS

CAUTION: Proper service and repair procedures are essential for safe and reliable installation of chassis parts, and require experience and tools specially designed for the purpose. These parts **MUST** be installed by a qualified mechanic, otherwise an unsafe vehicle and/or personal injury could result.

DISASSEMBLY

1. Unlock the steering column. Raise and support the vehicle. Disconnect outer tie rod ends from spindles.
2. Carefully loosen the four clamps on the bellows and remove bellows. If bellows or clamps are damaged, new components are available in a Moog bellows kit.
NOTE: It is necessary to remove both bellows when the passenger side tie rod only is to be removed; so that there is access to the rack teeth on the driver's side to hold the rack.
3. Remove the lock pin that secures the inner tie rod to the rack. This can be removed with a lock pin removal tool like Moog No. T-499 or equivalent. If inner tie rod is secured with rivet, as supplied, use chisel to raise head of rivet enough to grasp with side cutters and remove. If lock mechanism is in an inaccessible position, rotate socket housing just enough to expose. Keep rack from rotating by securely holding the rack with an adjustable wrench across the rack teeth.
CAUTION: When removing or installing inner tie rod assembly, use an adjustable wrench on the flat teeth of the rack to prevent rotation and possible damage to the steering gear. Allowing the rack and pinion to internally resist this torque will cause damage or breakage of the rack teeth. Be careful not to nick the rack.
4. After removing pin, remove inner tie rod assembly from rack. Remove the outer tie rod ends and jam nuts if they are to be reused. Note position of outer tie rod on inner tie rod assembly for future assembly reference.

STEERING GEAR ASSEMBLY



ASSEMBLY

1. Thread the new inner tie rod housing onto the rack and torque to specification listed in chart below.
CAUTION: Do not use power wrenches to install inner tie rod ends. These wrenches can generate excessive torque loads which may cause damage or breakage of the gear teeth on the rack and/or pinion.
2. Install drive rivet supplied into drilled hole. Lightly tap until seated against socket housing. Once rivet is seated, strike protruding pin with hammer until flush with head of rivet. Move the inner tie rod stud up and down by hand. It must be free to oscillate in all directions. Do not force stud against its limits of travel. Pack chassis grease around socket opening.
3. Slide bellows and clamps onto inner tie rod assembly. Position breather tube, if equipped with power steering.
MANUAL STEERING: Install a good grade of steering lubricant into the driver's side bellows - 7 ounces for models up to 1979, and 5 ounces for models 1980-on.
POWER STEERING: The power rack and pinion does not require the addition of a rack lubricant.
4. Install bellows and clamps onto rack housing and tighten large clamps. Place small end of bellows in undercut on inner tie rod stud. Small clamps should be slipped on tie rod stud, but not over the boot; they will be installed later.
5. Before installing outer tie rod ends and jam nut, apply a small amount of lubricant to the threads of the inner tie rod. Reposition outer tie rods as noted earlier during disassembly.
6. Connect outer tie rod end to spindle Torque nut to specification listed in chart below and install cotter pin.
7. Align front end to specifications. Straighten bellows if twisted and slip small clamps over end of bellows. Torque jam nut to specification listed in chart below.

NOTE: The parts in this kit are designed to replace the worn or non-functioning original equipment parts in the vehicle as produced by the car factory. These parts are not designed for installation on vehicles where the suspension and/or steering systems have been modified for racing, competition, or any other purpose.

TORQUE SPECIFICATIONS			
HEX. SIZE OF INNER TIE ROD HOUSING (ACROSS FLATS)	HOUSING SOCKET TO RACK	OUTER TIE ROD TO SPINDLE	JAM NUT
1-3/16"	50-55 FT. LBS.	27-32 FT. LBS.	42-50 FT. LBS.
1-5/16"	55-65 FT. LBS.	35-50 FT. LBS.	35-50 FT. LBS.

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