

## VOLKSWAGEN DASHER RACK & PINION

Dasher

### DESCRIPTION

This vehicle is equipped with rack and pinion steering gear. Attached to center of the rack housing are two tie rods (one adjustable and one non-adjustable) and a steering damper. Models since chassis number 3 42 186 215 have been equipped with an adjustable steering gear.

### REMOVAL & INSTALLATION

**Removal** — Bend back tabs on locking plate at center of rack housing and remove both tie rod bolts. Move tie rods so that gear will have clearance for removal. Unbolt pinch clamp at pinion-to-column connection. Remove lower instrument panel. Loosen steering column flange at toe board. Drive steering flange tube off of steering gear. Remove gear mounting screw at right end of rack housing, then unbolt rack mounting at left end. Turn front wheels to right lock, and remove steering gear through right wheel housing.

**Installation** — Before installation, install slider (if removed) aligning sealing sleeves of slider with tie rod thread holes. See *illustration*. Insert and tighten bolts for tie rods, then remove one bolt and attach tie rod, install bolts, and repeat for other tie rod. Bend up tabs on lock plate (new lock plate should be installed). Reverse remaining removal procedures.

### ADJUSTMENT

With components installed on vehicle, tighten adjusting screw by hand until screw just contacts thrust washer. Hold adjusting screw in position and tighten lock nut (Fig. 1).

**NOTE** — For earlier non-adjustable models, there is a change-over kit available. When installing kit follow manufacturers instructions and **DO NOT** reinstall shims between housing and cover plate.

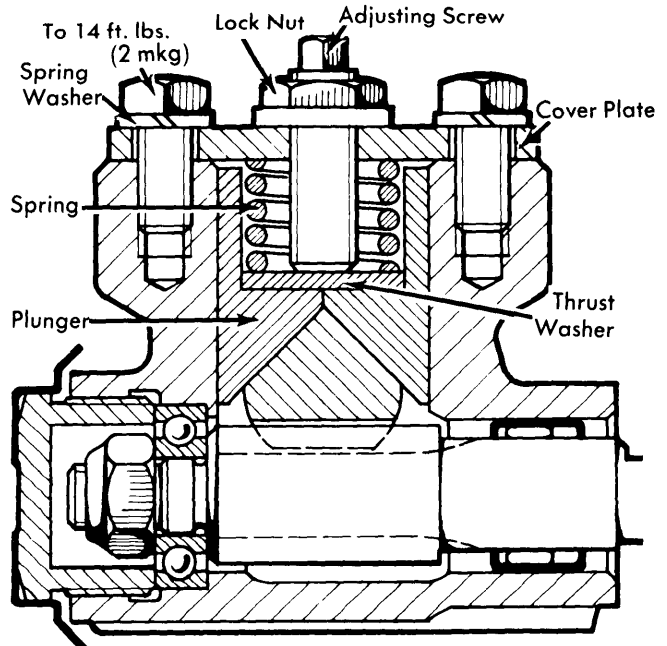


Fig. 1 Sectional View of Adjustable Steering Gear

### OVERHAUL

**NOTE** — Manufacturer does not recommend overhaul of this unit. If it is determined to be defective, replace as assembly.

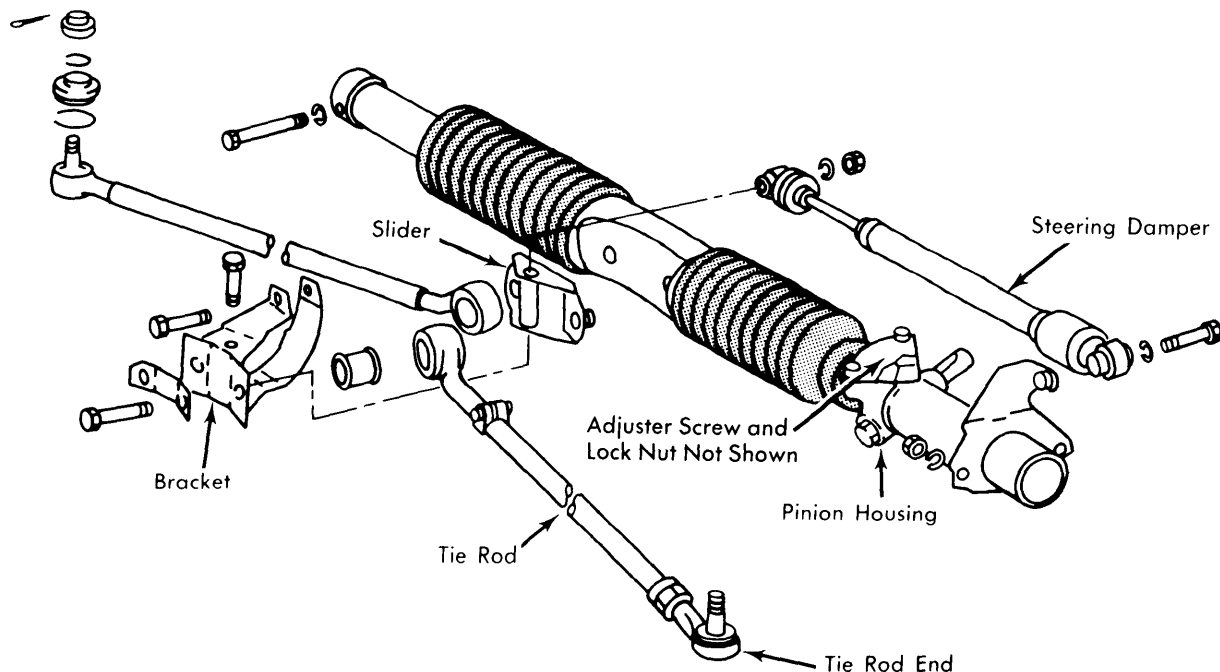


Fig. 2 Volkswagen Dasher Rack and Pinion Assembly