

VOLKSWAGEN DASHER RACK & PINION

Type 32/33
Dasher

DESCRIPTION

This vehicle is equipped with a rack and pinion steering gear. Attached to the center of the rack housing are two tie rods (one adjustable and one non-adjustable) and a steering damper. Gear backlash is adjusted by regulating the size of the shim pack under the gear housing cover.

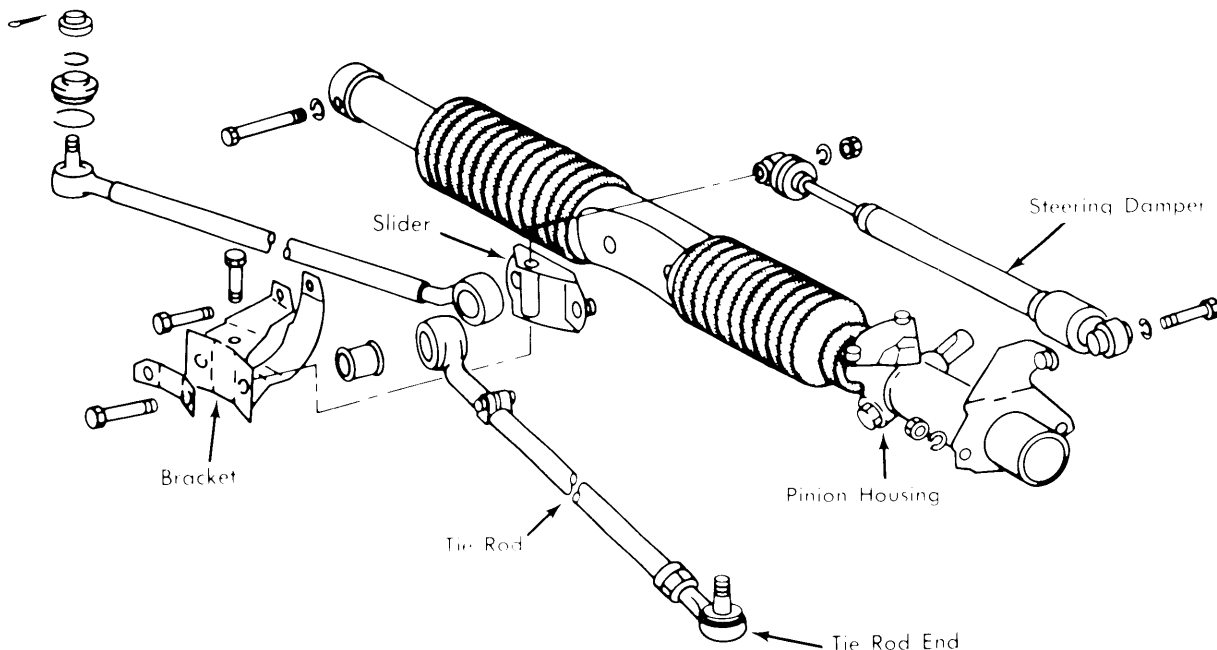
REMOVAL & INSTALLATION

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.

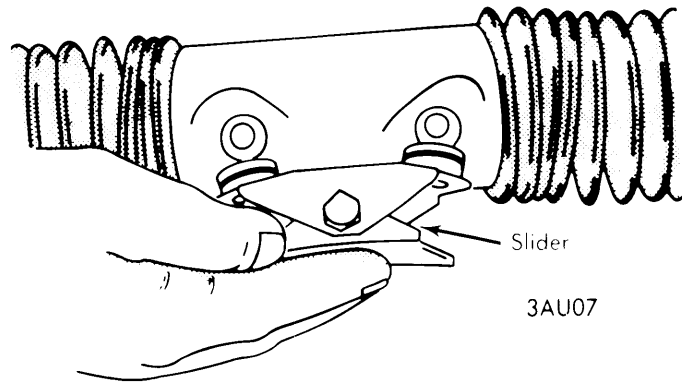
Installation — Before installation, install slider (if removed) aligning sealing sleeves of slider with tie rod thread holes. See *illustration*. Insert and tighten bolts for tie rods, then remove one bolt and attach tie rod, install bolts, and repeat for other tie rod. Bend up tabs on lock plate (new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

ADJUSTMENT

To adjust for excessive steering free play, make the following adjustment (with gear removed from vehicle):



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REPLACING SLIDER

Remove gear housing cover. Remove pack of adjustment shims. Measure (one by one) total thickness of shims. Free play is reduced by replacing one shim and reducing the total thickness by .002" (.05 mm). Install selected shim pack and replace gear housing cover. When adjustment is complete, ensure no binding is felt when turning wheel from lock to lock.

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OVERHAUL

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

RACK & PINION ASSEMBLY W LINKAGE