

1971-73 VOLKSWAGEN TYPE 4

Type 4 (1971-73)

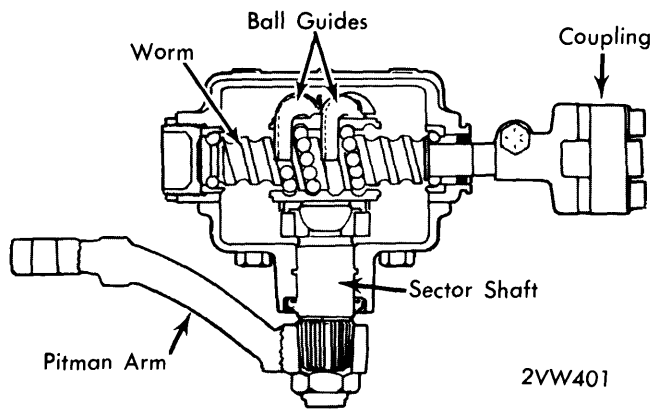
DESCRIPTION

STEERING GEAR

Steering gear is a recirculating ball and nut type. Recirculating balls ride in two circuits in threads of a worm and nut. Each circuit consists of two split tubes forming return guides. Turning of worm pushes nut axially. Nut movement is transmitted to pitman shaft. Axial play of the worm is adjustable.

STEERING LINKAGE

Vehicle has three maintenance-free tie rods. Center tie rod is fixed in length and outer tie rods are adjustable. Movement of pitman arm is transmitted by center tie rod to idler arm. Two adjusting bolts in idler arm bracket limit movement of front wheels. Hydraulic steering damper is attached to front axle carrier and center tie rod.



RECIRCULATING BALL & NUT

LUBRICATION

STEERING GEAR

The recirculating ball steering gear is filled with 9 oz. (250 cc) of transmission grease.

REMOVAL & INSTALLATION

STEERING GEAR

Removal (1971-72) – Remove pitman arm. Detach and pull steering coupling upward. Remove "two arm" flange from coupling (turn worm spindle). Unbolt steering gear and remove.

Installation (1971-72) – Place gear and coupling flange in position. Bolt gear to sidemember and tighten coupling-to-column screws. Insert retaining bolt for flange on worm spindle and torque to specification.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Pitman Arm-to-Gear	73 (10.1)
Gear-to-Sidemember.....	28 (3.9)
Tie Rod-to-Pitman Arm and Idler Arm.....	22 (3.0)
Steering Damper-to-Tie Rod.....	31 (4.3)
Coupling Flange-to-Column.....	14 (1.9)
Flange-to-Disc.....	14 (1.9)
Gear Housing Cover.....	16 (2.2)
Worm Spindle Adjusting Screw Lock Nut.....	40 (5.5)
Pitman Arm Shaft Adjusting Screw Lock Nut.....	16 (2.2)
Ball Guides (On Steering Nut).....	5 (0.7)