

VOLKSWAGEN RABBIT & SCIROCCO

Rabbit
Scirocco

REMOVAL & INSTALLATION

DESCRIPTION

The Volkswagen Rabbit and Scirocco use two types of steering columns. A swing-a-way type for manual transmission vehicles and a collapsible type for automatic transmission vehicles. On the swing-a-way type, the column is held in place by a clamp and leaf spring. On impact the lower angled portion of column pushes upper column against leaf spring, which disengages and allows the column to swing to the side. The collapsible type has two shear pins. Upon impact, the pins shear off and the lower portion of steering shaft telescopes up into upper portion of steering column.

STEERING COLUMN ASSEMBLY

NOTE — Do not attempt to remove steering shaft from column without first removing column assembly from vehicle.

Removal — 1) Disconnect battery ground. Remove steering wheel. See Volkswagen under **STEERING WHEEL & COLUMN SWITCHES** in this Section.

2) Remove socket head bolt and Phillips head screw from switch housing recess. Tilt switch unit toward instrument panel. Pry off spacer sleeve on steering column. Pull switch unit up enough to disconnect wires. Remove switch unit from column.

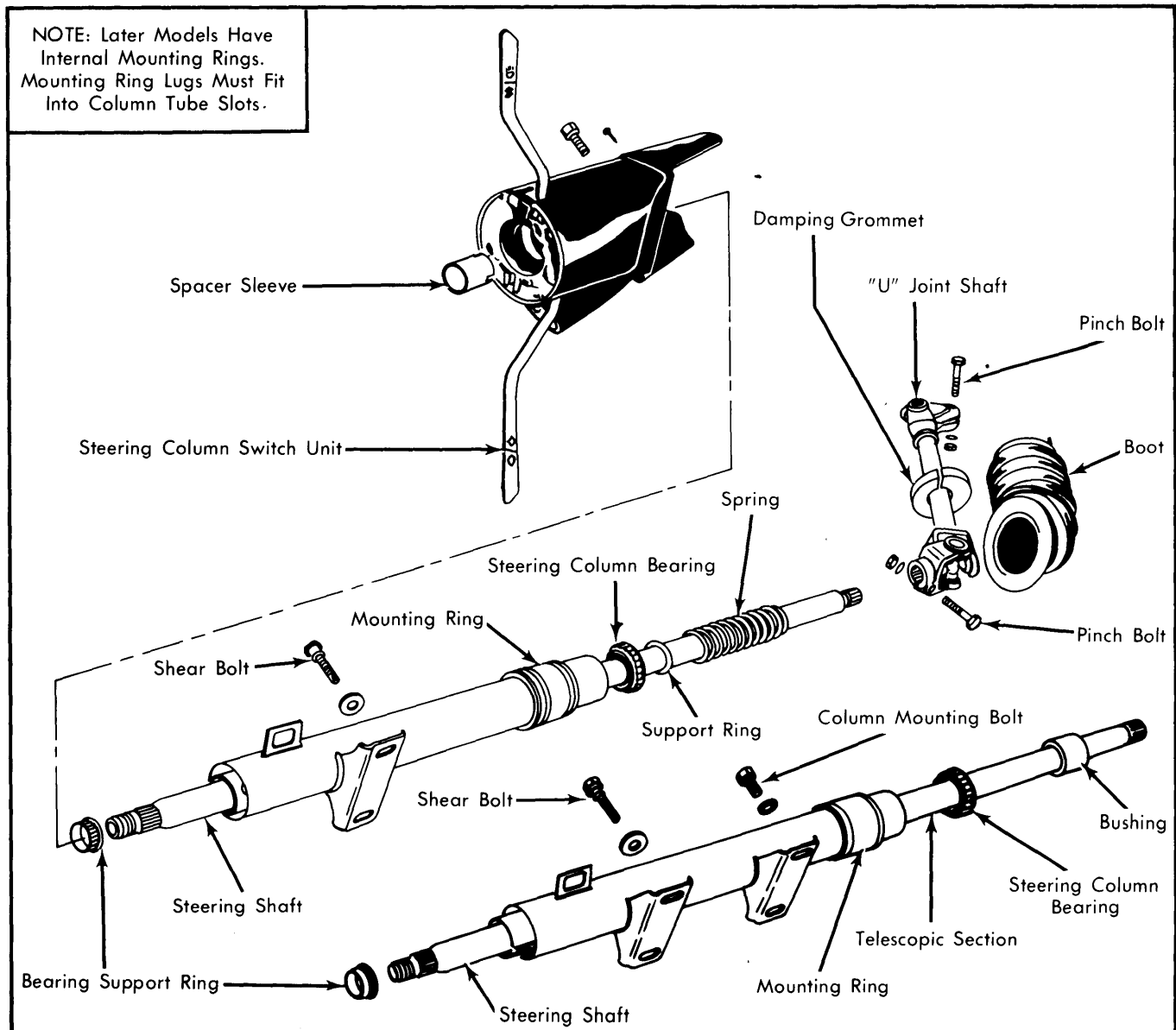


Fig. 1 Exploded View of Steering Shafts. Top Shaft is Type Used on Manual Transmission Models. Bottom Shaft Shown is Type Used on Automatic Transmission Models. Upper and Lower Portions of Each Shaft are Same.

Steering Columns

VOLKSWAGEN RABBIT & SCIROCCO (Cont.)

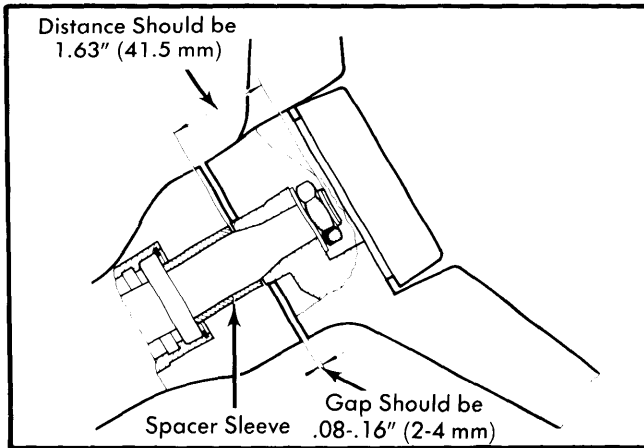


Fig. 2 Spacer Sleeve Adjustment Dimensions

3) Disconnect steering shaft from "U" joint shaft. Disconnect brake pedal push rod. Separate clutch pedal from actuating cable under instrument panel.

4) Push leaf spring retainer clip down with a screwdriver and disengage it from mounting slot. Remove bolts mounting column under instrument panel. Shear bolts will have to be centerpunched and drilled out. Pull entire column (with shaft) out of vehicle.

Bearing Replacement — Drive steering shaft from column. Remove bearings. Press in steering shaft and bearings. It should not take more than a force of 100-200 lbs. (45-90 kgs) to properly seat bearings into position.

Installation — To install, reverse removal procedure and note: Make sure front wheels point straight-ahead before tightening pinch bolt. Before fitting column switch unit, install spacer to dimensions shown in Fig. 2. Adjust both brake pedal and clutch pedal height.

"U" JOINT SHAFT

Removal — 1) Separate manual gearshift linkage from steering box.

2) Remove pinch bolt connecting lower end of "U" joint shaft with steering gear pinion shaft.

3) Remove nuts mounting steering gear box to frame. Pull box down to separate from lower "U" joint. Remove rubber boot from lower "U" joint.

4) Remove pinch bolt connecting upper "U" joint to steering shaft. Pull down on joint and remove shaft with "U" joints from vehicle.

NOTE — Identifications are stamped on lower end of shaft where it connects to "U" joint. Rabbit models are identified by 17L cast into shaft. Scirocco models are identified by circular knurl and 53L cast into shaft.

Installation — 1) Fit "U" joint to steering shaft. Make sure notch in steering shaft aligns with slot in lower "U" joint.

2) Install boot and damping grommet. Fit steering gear box to frame while guiding pinion shaft into lower "U" joint. Finger tighten gear box nuts.

3) Place front wheels straight-ahead. Align pinion shaft and "U" joint. Tighten pinch bolt. Tighten gear box nuts. Connect manual gearshift linkage to gear box. Check linkage operation.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Steering Wheel Nut	36 (5.0)
Steering Column-to-Instrument Panel	
Mounting Bolt	14 (2.0)
Shear Bolts	Ⓢ
Pinch Bolts	22 (3.0)
Ⓢ — Until bolt head snaps.	