

STEERING COLUMN SWITCHES

Article Text

1987 Volkswagen Quantum/Quantum Syncro

For Volkswagen Technical Site

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ARTICLE BEGINNING

1987 STEERING

Volkswagen - Steering Wheel & Column Switches

All Models

REMOVAL & INSTALLATION

* PLEASE READ THIS FIRST *

CAUTION: When performing work on vehicles equipped with Supplemental Restraint System (SRS), exercise extreme caution when working around steering wheel or column. DO NOT apply electrical power to any component on steering column without disconnecting SRS control unit (air bag system may be activated).

STEERING WHEEL & HORN

Removal

1) Disconnect battery ground cable. Remove screws attaching horn button assembly/center pad to steering wheel from behind steering wheel (if equipped).

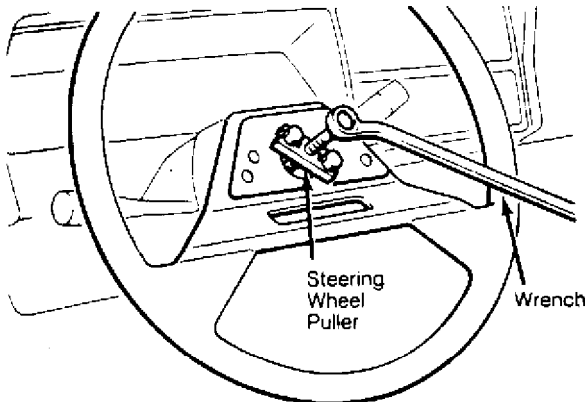


Fig. 1: Removing Steering Wheel

2) Pull horn button assembly/center pad from steering wheel. Use a cloth covered screwdriver to pry off horn button assembly/center pad (if necessary). Disassemble horn button assembly (if necessary).

3) Place springs, contacts, horn or cruise control harness connectors and screws in order for reassembly reference. Place wheels in a straight-ahead position.

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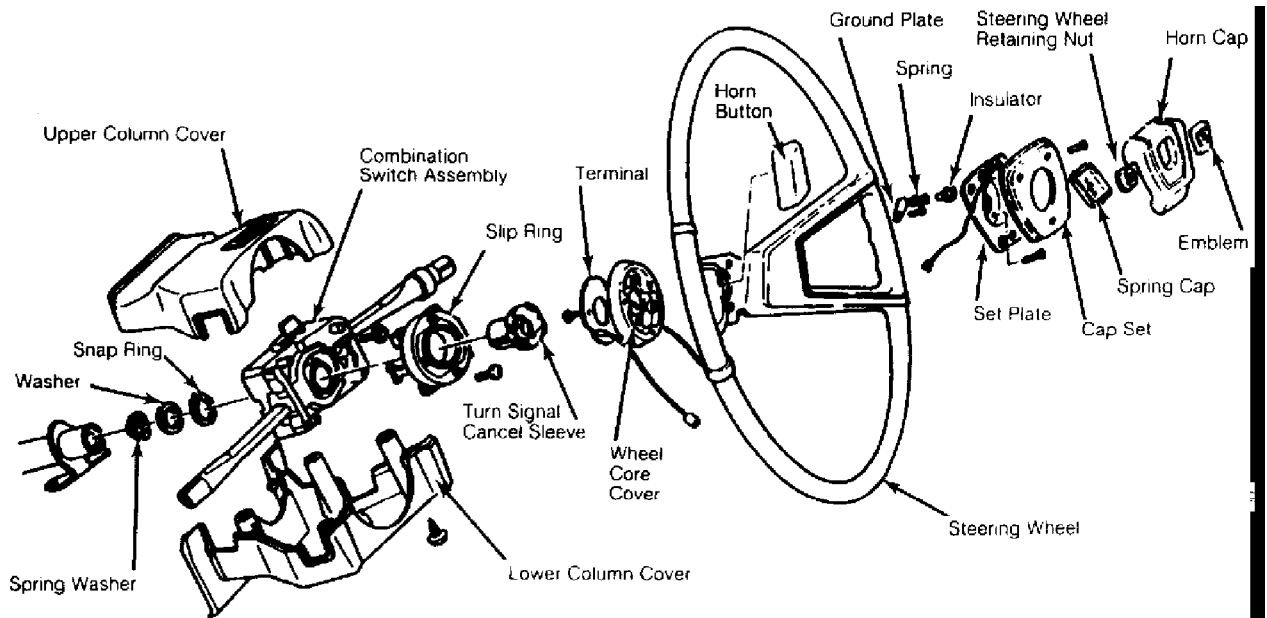


Fig. 2: Exploded View of Typical Steering Wheel Assembly

4) Remove steering wheel retaining nut and washer. Mark steering wheel and shaft for reassembly reference. Using a steering wheel puller, remove steering wheel. See Fig. 1.

5) Place steering wheel, cruise control set/resume switch (if equipped), canceling cams, springs and slip rings in order for reassembly reference.

Installation

1) Coat slip ring contact surfaces with a light electrical grease. Assemble horn button assembly (if disassembled). Ensure wheels are in a straight-ahead position.

2) Aligning marks made during removal, place slip ring, springs, canceling cams, steering wheel, washer and steering wheel retaining nut on shaft.

3) Tighten nut to specification. See STEERING WHEEL TORQUE SPECIFICATIONS table at the end of this article. To complete reassembly, reverse removal procedure.

COMBINATION SWITCH

Removal

Remove steering wheel. Remove upper and lower steering column covers. Disconnect combination switch harness connectors. remove snap ring and washer from steering shaft (if equipped). Remove combination switch attaching screws. Remove combination switch.

Installation

To install, reverse removal procedure. Ensure all electrical connections are tight. Check canceling operation of turn signal switch.

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STEERING LOCK & IGNITION SWITCH

Removal

1) Remove steering wheel, upper and lower steering column covers and combination switch. Disconnect ignition switch harness connectors.

2) If the shear bolt studs are accessible, use a hacksaw to cut a slot into the exposed studs. Using a screwdriver, remove the studs.

3) If the shear bolt studs are recessed or hard to reach with a hacksaw, center punch studs. Using a drill bit and a screw extractor, remove studs. Remove steering lock and ignition switch.

Installation

1) To install, reverse removal procedure. Install new shear bolts. Tighten shear bolts finger tight. Ensure proper operation of steering lock and ignition switch.

2) Tighten shear bolts until heads break off. Install combination switch, upper and lower steering column covers and steering wheel.

TORQUE SPECIFICATIONS

STEERING WHEEL TORQUE SPECIFICATIONS TABLE

Application

Ft. Lbs (N.m)

All Except Quantum 37 (50)

Quantum 29 (39)

END OF ARTICLE