

Steering Wheel & Column Switches 10-15

TOYOTA (Cont.)

2) Fit key cylinder so ignition switch and cylinder will be aligned in "ACC" position. Insert into housing and check for proper locking operation and key movement.

3) Replace all other components (combination switch assembly, bearing retainer, steering wheel) as removed. Check for proper turn signal switch cancelling operation and smoothness of steering wheel movement.

TRIUMPH

TR6
TR7
Spitfire

REMOVAL & INSTALLATION

HORN CONTROL, STEERING WHEEL AND HUB

Removal – 1) Disconnect battery ground cable. On TR6 and Spitfire models use a flat blunt instrument and pry off steering wheel pad, then remove horn button. On TR7 models, remove the three screws from underside of steering wheel that secure steering wheel to pad.

2) On all models, place front wheels in a straight-ahead position and remove steering wheel attaching nut and washer. Index mark hub and steering mast with a scribe line to ensure proper reinstallation.

3) Using a suitable steering wheel removal tool, pull off wheel and hub assembly. Hub can be further disassembled from steering wheel on TR6 and Spitfire by removing the six attaching bolts.

Installation – Place steering wheel in alignment with index mark on hub and refit remaining components in reverse order.

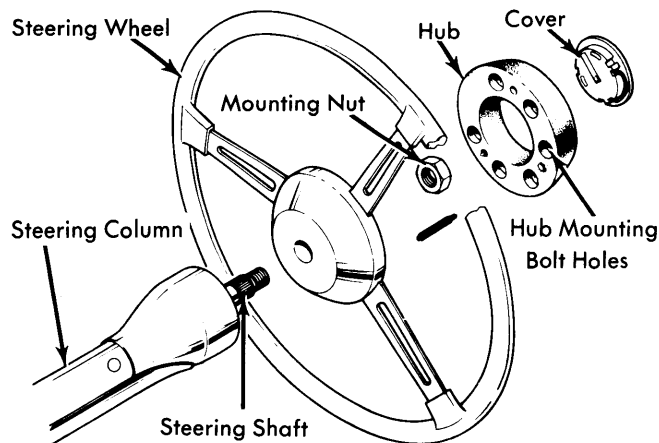


Fig. 1 Spitfire Steering Wheel Components, Others Similar

TURN SIGNAL & WIPER SWITCHES

Removal, TR7 & Spitfire – 1) Disconnect battery. Unscrew retaining screws for column cover halves and remove covers. Remove steering wheel as previously described.

2) Note the location of all wiring harnesses. Remove the wire harness clip securing the switch harnesses. Disconnect the two harness plugs. Loosen the switch clamp screw and remove switch assembly.

3) Individual switches may be replaced at this time, but note that the two center cross-head screws are not to be removed. Switches are separated by drilling out the two retaining rivets and removing the one cross-head screw (on right side of switch face).

Installation, TR7 & Spitfire – To install, reverse removal procedure.

Removal, TR6 – 1) Disconnect the battery. Inspect steering column clamp bolts and note location of two nuts behind instrument panel which have anti-theft caps. Pry off caps.

NOTE – Speedometer and/or tachometer removal may be necessary for access to anti-theft nuts.

2) Remove two steering column clamp bolts, nuts and washers. Remove upper half of steering column clamp.

3) Push harness cover down the column slightly to release the top clip. Pull harness cover upward to release from steering column clamp.

4) Disconnect four snap connectors. Remove two screws and withdraw two switch covers. Remove two retaining screws for each switch and remove switches.

Installation, TR6 – To install, reverse removal procedure and note the following: Attach headlight switch harness temporarily and place in "Headlight Flash" position to check that no shorts exist. Wiring color codes match up except brown/red switch wire to blue main harness wire and brown switch wire to purple main harness wire.

IGNITION SWITCH AND STEERING COLUMN LOCK

NOTE – On Spitfire models the steering column must be removed; on TR6 models steering column must be rotated 180°; on TR7 models plastic cover around steering shaft has to come off.

Removal – On TR6 and Spitfire, remove nuts and washers securing steering lock shroud and withdraw shroud and column support. On all models, center punch the two shear head bolts keeping steering lock to column. Using a small chisel or suitable tool arrangement, remove bolts. Disconnect electrical plug and remove steering lock.

Installation – To install ignition switch and steering column lock, reverse removal procedure and note the following: Ensure dowel pin aligns in column drilling. Fit new shear head bolts and tighten evenly.

10-16 Steering Wheel & Column Switches

TRIUMPH (Cont.)

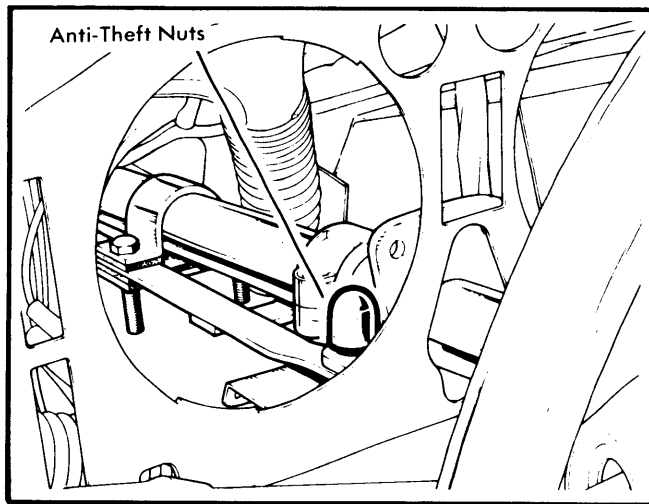


Fig. 2 TR6 Steering Column Location of Anti-Theft Nuts

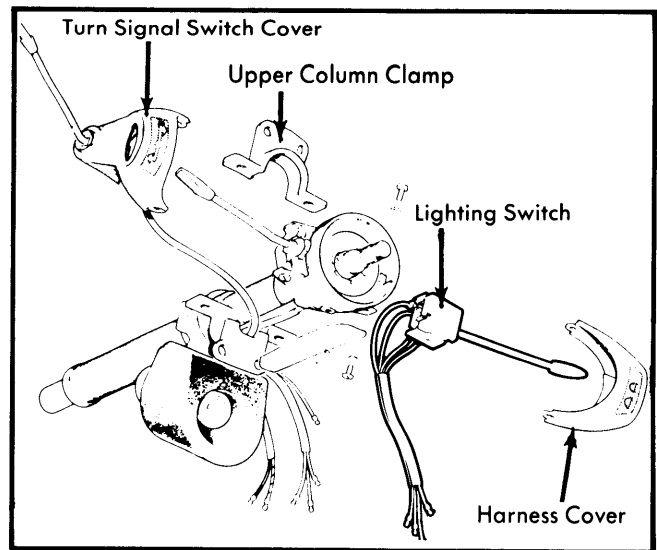


Fig. 3 TR6 Switch Assemblies; Exploded View

VOLKSWAGEN

Type 1
Type 2
Dasher
Rabbit
Scirocco

REMOVAL & INSTALLATION

HORN PAD & STEERING WHEEL

All Models — Disconnect battery. Carefully pry off horn pad. Unscrew steering wheel retaining nut. Pull wheel upward and off the shaft.

CAUTION — Steering wheel or column has a collapsible section. Care must be taken when working with these components.

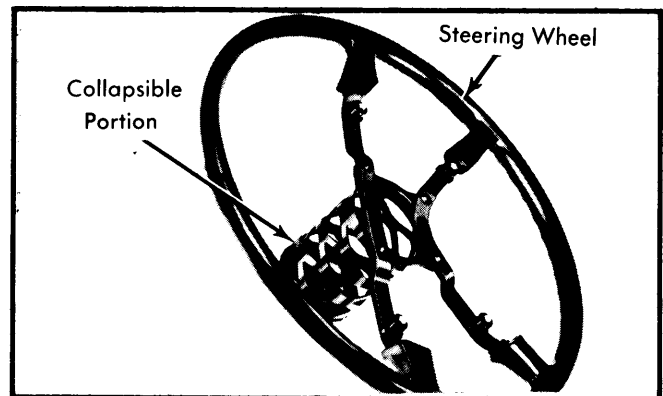


Fig. 1 Typical Volkswagen Steering Wheel Assembly

VOLVO

240
260

REMOVAL & INSTALLATION

HORN PAD & STEERING WHEEL

Removal — Gently grasp horn pad with one hand at top and bottom. Squeeze horn pad together until free, then pull top edge of horn pad away from steering wheel. Remove steering wheel nut, attach suitable puller and remove steering wheel.

Installation — To install, reverse removal procedure.

TURN SIGNAL & WIPER SWITCHES

Removal — Remove steering wheel as previously described. Remove column covers from around switches. Disconnect wiring from switch(es) to be replaced.

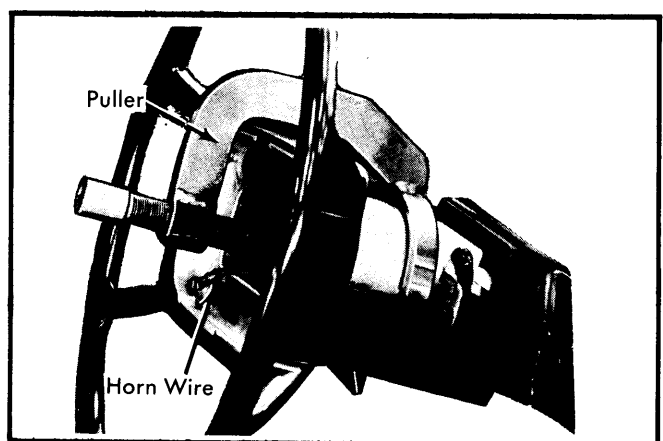


Fig. 1 Using Puller to Remove Steering Wheel