

# 10-14 Steering Wheel & Column Switches

## VOLKSWAGEN

### Type 1

Sedan  
Super Beetle  
Karmann Ghia  
"The Thing"

### Type 2

Transporter (Bus)

### Type 4

412

### Type 32/33

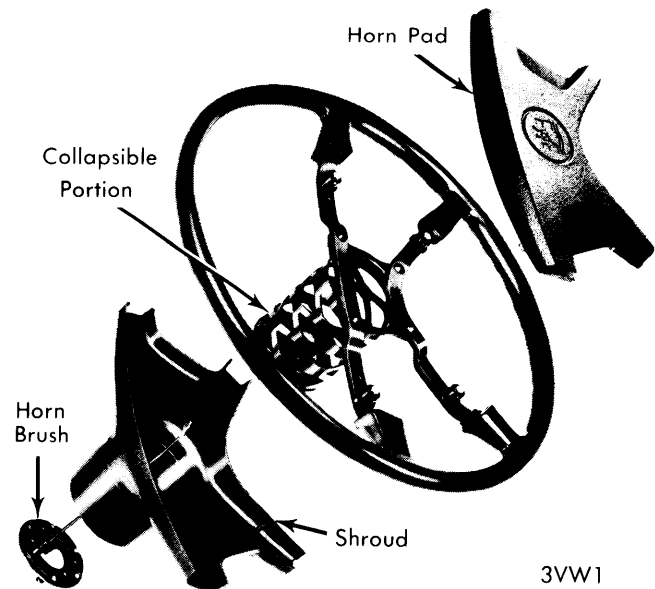
Dasher

**Type 32/33** — Disconnect battery ground strap. Push in on horn pad and turn counterclockwise to remove. Unscrew steering wheel retaining nut. Note position of steering wheel on shaft before pulling wheel off. Before installing steering wheel, be sure turn signal lever is in neutral position and that front wheels are in straight-ahead position. Tighten wheel nut to 36 ft. lbs. (5 mkg).

### HORN CONTROL & STEERING WHEEL

**Type 1 & 4** — Disconnect battery ground cable. Push in on horn pad and turn counterclockwise to free it from steering wheel. Unscrew and lift horn lever off. Remove cancelling ring. Unscrew steering wheel retaining nut, and lift wheel from steering shaft. To install, reverse removal procedure, ensuring cancelling cam is installed with cam to left and turn signal in central position.

**Type 2** — Disconnect horn cable. Remove screws attaching directional switch to column housing. Remove steering wheel nut and turn signal cancelling ring, then pull off wheel. To install, place cancelling ring on steering wheel. With front wheels in straight-ahead position and gear centered, install steering wheel (with spokes horizontal). Ensure cancelling ring is to the left and turn signal lever in center position.



**COLLAPSIBLE STEERING WHEEL (TYPE 1 SHOWN)**

## VOLVO

### 140 Series

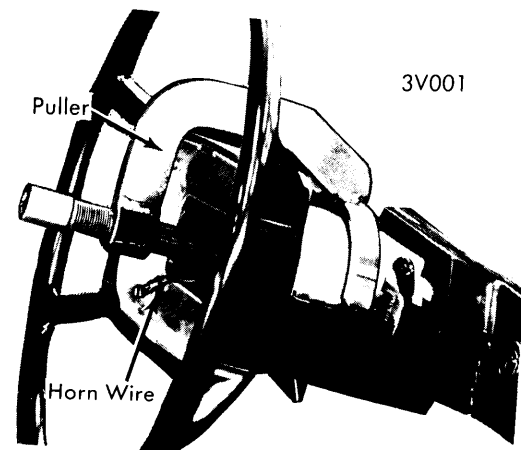
164

### HORN PAD & STEERING WHEEL

Gently pry up horn pad, using a screwdriver. Disconnect horn wire from horn bar, then unscrew four bar retaining screws. Unscrew steering wheel retaining nut. Set four wheels in straight-ahead position, attaching a suitable puller (5003), and remove steering wheel.

### TURN SIGNAL & WINDSHIELD WIPER SWITCHES

Remove castings from around steering column. Remove screws which retain switch to be replaced. Connect the corresponding electrical wiring to the replacement switch (or mark it for reinstallation on same switch). Install switch and check its operation. Replace castings.



**PULLING STEERING WHEEL (140 & 164)**