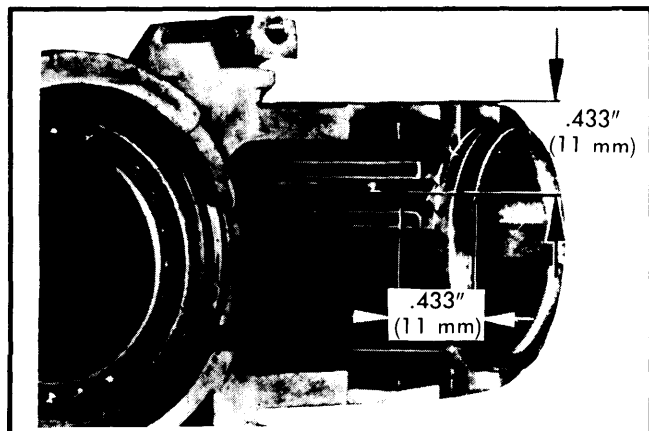


# Steering Wheel & Column Switches 10-19

## VOLKSWAGEN (Cont.)



**Fig. 3** Measurements for Drilling into Steering Lock Cylinder - Type 1 Only

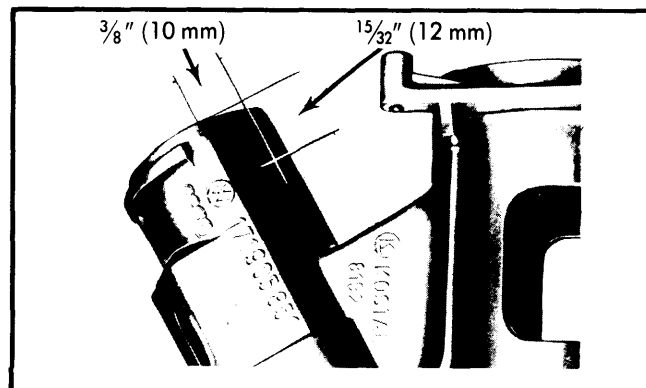
3) Using a small, pointed tool, work through drilled hole and push down on cylinder lock retaining pin. Insert ignition switch key. Turn key and pull cylinder out of housing.

**Installation** - To install, reverse removal procedure and note: Insert lock cylinder by pushing into place without key installed. Then, use key to turn cylinder to **left**. Check operation.

**Removal (All Others)** - 1) Disconnect battery ground. Remove steering wheel and switch assembly.

2) It may be necessary to drill  $\frac{1}{8}$ " hole in cylinder lock to gain access to cylinder release pin. Refer to Fig. 4 for location of access hole.

**NOTE** - On Type 2 models, hole for cylinder removal is accessible when cover plate has been removed. Note that all models may not have pre-drilled hole.



**Fig. 4** Measurements for Drilling into Steering Lock Cylinder

3) Insert a pin through hole and press down spring holding lock cylinder in housing. It may be necessary to insert key to pull out cylinder.

4) To remove ignition switch, remove shear bolt and remove switch housing. Remove set screw on back side of switch near wire connector and remove ignition switch.

**Installation** - To install, reverse removal procedure and note: Before shearing bolt head, set clearance between steering wheel and switch to .08-.12" (2-3 mm).

## VOLVO

240 Series  
260 Series

### REMOVAL & INSTALLATION

#### HORN PAD & STEERING WHEEL

**Removal** - Disconnect battery ground. Remove horn pad. Remove horn wires (if required). Remove steering wheel using suitable puller (2263 or equivalent).

**Installation** - To install, reverse removal procedure.

**CAUTION** - Steering column has a collapsible section. Care must be used when working with steering assembly.

#### TURN SIGNAL & WIPER SWITCHES

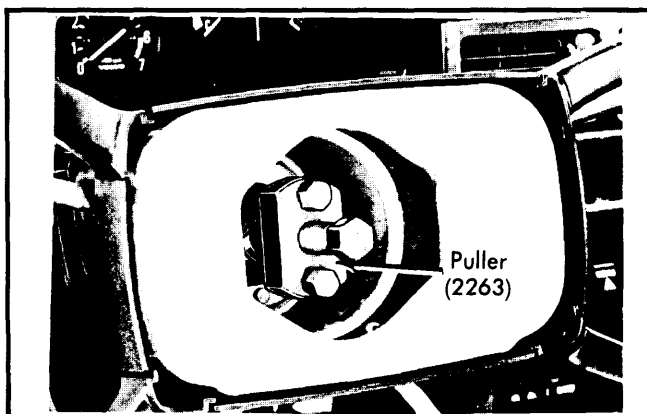
**NOTE** - Steering wheel does not have to be removed to remove combination switch; however, removal of switch is easier with steering wheel removed.

**Removal & Installation** - Remove column covers from around switches. Disconnect electrical connections from switch(es) to be replaced and remove switch(es). To install, reverse removal procedure.

### STEERING COLUMN & IGNITION SWITCH

**Removal** - Disconnect battery ground. Remove steering wheel and column covers. Remove turn signal and wiper switches. Remove upper bearing spring and race. Drill out center of shear bolts and remove with suitable screw extractor. Remove lock assembly. Disconnect electrical connections and remove ignition switch.

**Installation** - To install, reverse removal procedure and note: Position front of lock assembly 3.81" (97 mm) from upper end of steering column.



**Fig. 1** Using Puller to Remove Steering Wheel