

# Steering Wheel & Column Switches <sup>12-15</sup>

## PORSCHE (Cont.)

switches. Reverse removal procedures to install remaining components.

### Removal (928)

1) Disconnect battery ground. Remove steering wheel. Remove cover from under steering column switch. Remove steering column switch retaining screw.

2) Remove instrument cover retaining screws. Maneuver instrument cover until electrical wires can be disconnected. Remove column switch.

### Installation

To install, reverse removal procedures.

### STEERING COLUMN LOCK, KEY CYLINDER & IGNITION SWITCH

#### Removal

1) Remove combination switch as previously outlined. Drill out shear bolts. Disconnect ignition switch wiring.

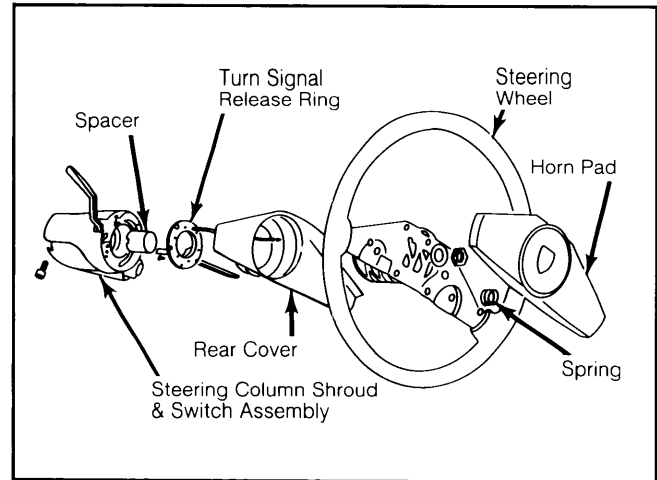
2) Disengage snap ring and slide out switch housing with bearing. Using a pointed tool (scribe), push cylinder lock retainer in to release cylinder.

3) With key inserted and retainer depressed, pull cylinder from housing. Remove ignition switch set screw. Remove ignition switch back from housing.

### Installation

To install, reverse removal procedure.

Fig. 1: Exploded View of Porsche 924 Steering Wheel



All other models are similar.

## RENAULT

### REMOVAL & INSTALLATION

#### HORN PAD & STEERING WHEEL

##### Removal (Le Car)

Disconnect battery. Remove horn pad. Remove steering wheel nut. Using puller (Dir. 21A) remove steering wheel.

##### Installation

To install, reverse removal procedures.

##### Removal (18i & Fuego)

1) Disconnect battery. Remove horn pad. Remove 2 steering column protective housings. Remove steering wheel nut. Install puller plate tool (Dir. 372) behind steering wheel.

2) Using a center punch, make a center point mark in center of steering column shaft. Connect puller tool (Mot. 49) to puller plate.

3) Using a wrench, turn puller shaft until steering wheel is pulled from steering shaft.

##### Installation

1) Position steering wheel on steering shaft. Install steering wheel nut and tighten.

2) Using a center punch, notch the edge of steering column shaft to lock the nut in place. To complete installation, reverse removal procedures.

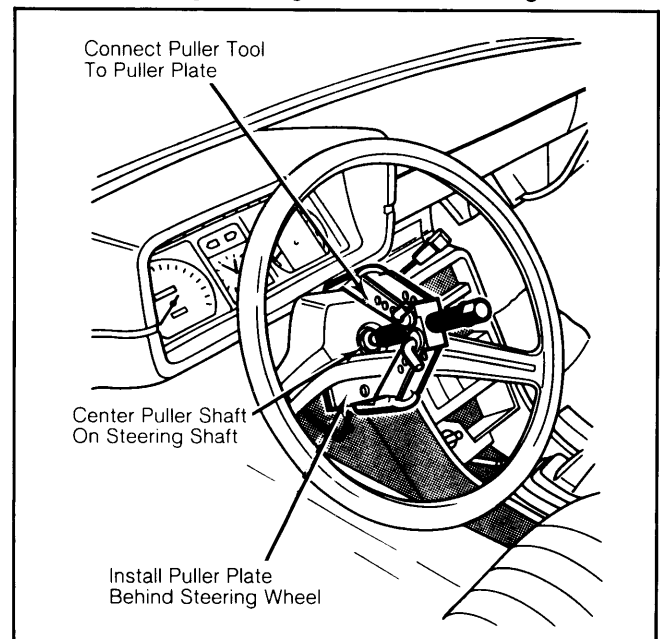
#### TURN SIGNAL & LIGHTING SWITCH

##### Removal (Le Car)

1) Disconnect battery. Remove instrument panel housing retaining screws and remove housing. See Fig. 2.

2) Remove switch retaining screws. Disconnect electrical connectors. Remove switch.

Fig. 1: Removing Steering Wheel on 18i & Fuego



### Installation

To install, reverse removal procedures.

#### COMBINATION SWITCH

##### Removal (18i & Fuego)

1) Disconnect battery. Remove steering wheel. Remove 2 steering column protective housings.

# 12-16 Steering Wheel & Column Switches

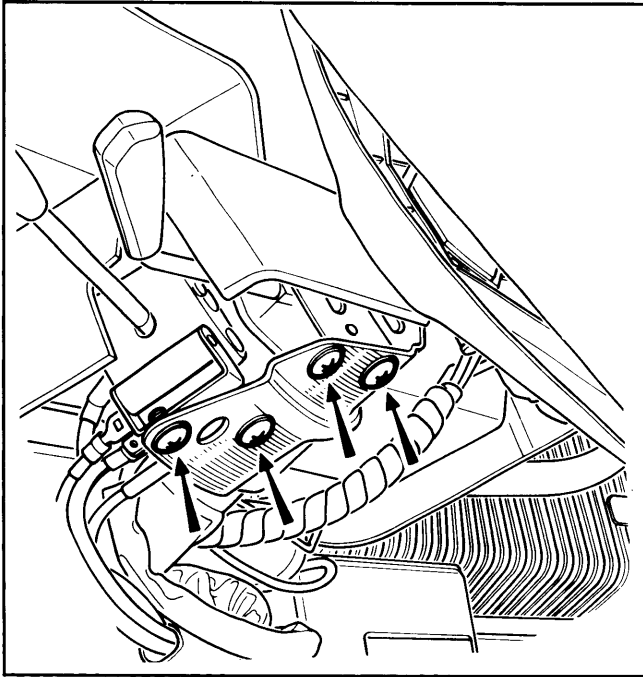
## RENAULT (Cont.)

2) Remove switch retaining bolts and screw. Disconnect electrical connectors. Remove switch.

### Installation

To install, reverse removal procedures.

Fig. 2: Location of Switch Assembly Retaining Screws



**NOTE:** Turn signal and windshield wiper switch are one unit and cannot be separated. If one is defective, both must be replaced. Headlight switch may be replaced separately and removed from combination switch by removing retaining pin.

### IGNITION SWITCH

#### Removal (Le Car)

1) Disconnect battery. Remove shroud from around switch assembly. Disconnect electrical connections.

2) Turn ignition switch to "G" (Garage) position and remove switch. Remove set screw and press in retaining catch with a small punch. Push switch body from rear to release it. See Fig. 3.

### Installation

To install, reverse removal procedures.

### Removal (18i & Fuego)

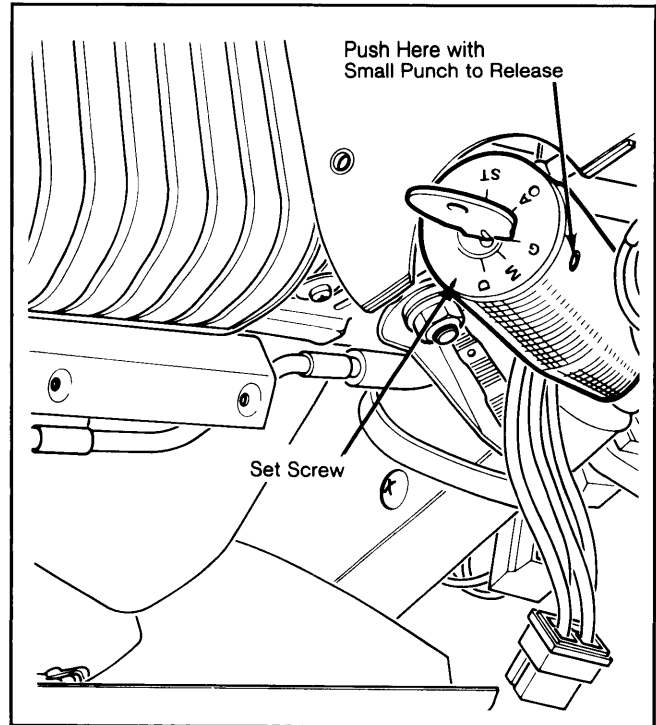
1) Disconnect battery. Remove steering wheel. Remove 2 steering column protective housings.

2) Disconnect electrical connections. Turn key to "Park" position and remove ignition switch and key.

### Installation

To install, reverse removal procedures.

Fig. 3: Le Car Ignition Switch Removal



### COLUMN LOCK

#### Removal (All Models)

1) Remove ignition switch and lock assembly from column. Turn key to "Stop" position.

2) Remove 2 rear bracket retaining screws. Slide lock assembly toward rear and remove.

### Installation

To install, reverse removal procedures.

## SAAB

### REMOVAL & INSTALLATION

#### HORN CONTROL & STEERING WHEEL

##### Removal

1) Disconnect battery ground cable. Remove bottom cover retaining screws and cover. On standard steering wheel, remove retaining screws from behind steering wheel. Remove pad and horn contact.

2) On 3-spoke wheel, lift pad from spokes. Reach under and disconnect horn leads while supporting pad.

3) On all models, mark position of steering wheel to shaft. Remove retaining nut and washer. Remove wheel from shaft with wheel puller.

##### Installation

To install, reverse removal procedures.

#### COMBINATION SWITCH

##### Removal

1) Disconnect battery ground cable. Remove steering wheel shrouding and lower instrument panel shroud.