

11-12 Steering Wheel & Column Switches

PORSCHE (Cont.)

ment cover mounting screws. Maneuver instrument cover until electrical wires can be disconnected. Remove column switch.

Installation — To install, reverse removal procedure.

STEERING COLUMN LOCK, KEY CYLINDER & IGNITION SWITCH

Removal — 1) Remove combination switch as previously outlined. Drill out shear bolts. Disconnect ignition switch wiring. Disengage snap ring and slide out switch housing with bearing.

2) Using a pointed tool (scribe), push cylinder lock retainer in to release cylinder. With key inserted and retainer depressed, pull cylinder from housing. Remove ignition switch set screw and remove ignition switch back from housing.

Installation — To install, reverse removal procedure.

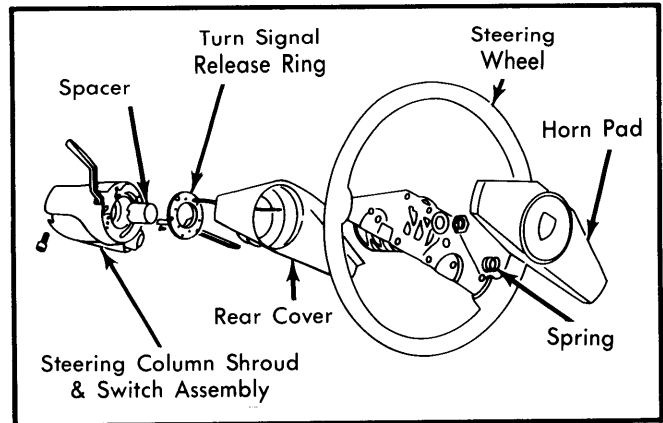


Fig. 1 Exploded View of Porsche 924 Steering Wheel and Related Components

RENAULT

**Le Car
18i**

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 procedure.

Removal (18i) — 1) Disconnect battery. Remove horn pad. Remove 2 steering column protective housings.

2) Remove steering wheel nut. Install puller plate tool (Dir. 372) behind steering wheel.

3) Using a center punch, make a center point mark in center of steering column shaft.

4) Connect puller tool (Mot. 49) to puller plate. Using a wrench, turn puller shaft until steering wheel is pulled from steering shaft.

Installation — 1) Position steering wheel on steering shaft.

2) Install steering wheel nut and tighten. Using a center punch, notch the edge of steering column shaft to lock the nut in place.

3) To complete installation, reverse removal procedure.

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.

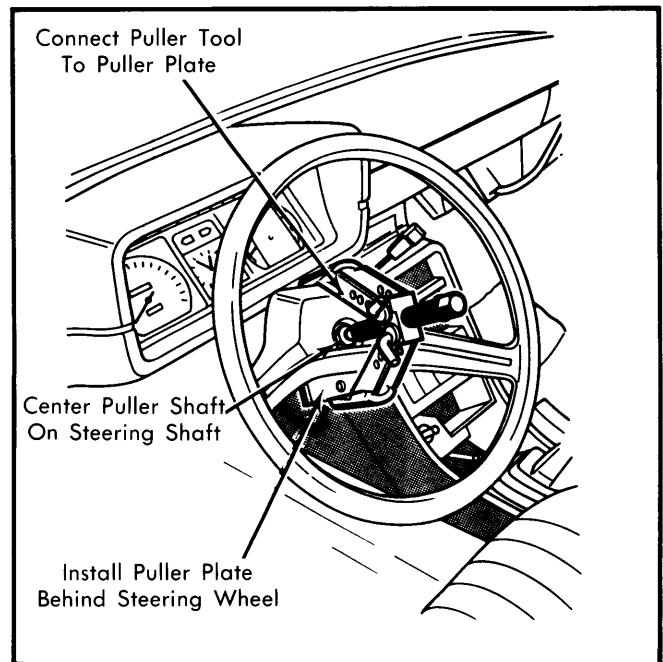


Fig. 1 Removing Steering Wheel on 18i

Installation — Reverse removal procedure to install.

COMBINATION SWITCH

Removal (18i) — 1) Disconnect battery. Remove steering wheel. Remove 2 steering column protective housings.

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

Installation — Reverse removal procedure to install.

RENAULT (Cont.)

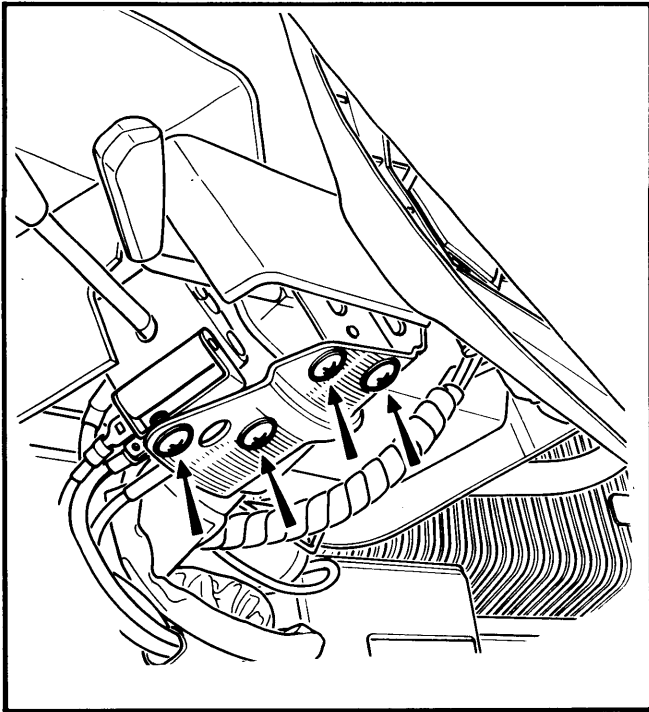


Fig. 2 Location of Switch Assembly Retaining Screws

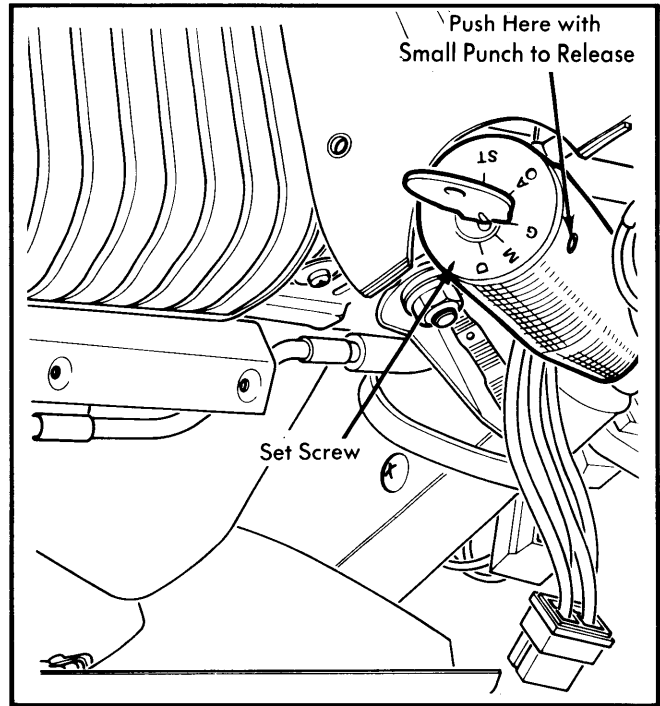


Fig. 3 Ignition Switch Removal

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 procedure.

Removal (18i) — 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 procedure.

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 procedure.

SAAB

900

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, then remove pad and horn contact. On 3-spoke wheel, lift pad from spokes, then reach under and disconnect horn leads while supporting pad.

2) Mark position of steering wheel to shaft and remove retaining nut and washer. Remove wheel from shaft with suitable wheel puller.

Installation — To install, reverse removal procedure.

COMBINATION SWITCH

Removal — Disconnect battery ground cable. Remove steering wheel shrouding and lower instrument panel shroud. Disconnect electrical connections at base of column. Remove retaining screws and direction/wiper switch assembly.

Installation — To install, reverse removal procedure and note: Directional signal must be properly aligned on column.