

# 11-10 Steering Wheel & Column Switches

## LUV (Cont.)

steering wheel on column shaft. Remove 5 retaining screws to column cowling and remove cowling.

3) Using puller (J-24292-A), remove steering wheel.

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

### COMBINATION SWITCH

**NOTE** — Combination switch has the following functions: Turn signal, headlight dimmer, hazard warning, and windshield wiper/washer.

**Removal** — 1) Remove steering wheel. Disconnect battery

ground cable. Remove 5 retaining screws and remove cowling.

2) Disconnect wire connectors from switch. Remove 2 retaining screws and remove switch from column flange.

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

### IGNITION SWITCH

**Removal** — Disconnect battery ground cable. Remove 2 retaining screws and remove cowling. Disconnect wiring connector at switch. Remove switch ring nut and remove switch.

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

## MAZDA

GLC  
626

B2000  
RX7

### REMOVAL & INSTALLATION

#### STEERING WHEEL & COMBINATION SWITCH

**Removal** — 1) Disconnect battery ground cable. Pull off horn cap. Place front wheels in straight-ahead position. Index mark column shaft and steering wheel.

2) Remove steering column shrouding. Disconnect electrical connectors. To disconnect electrical connections on RX7, remove air duct at base of steering column. Remove steering shaft stop ring, cancel cam and spring. Remove retaining screws and combination switch assembly.

**NOTE** — Wiper switch can be removed with combination switch or separated from it.

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

#### IGNITION SWITCH

**Removal** — Remove steering wheel as previously outlined. Remove column shrouding. Remove combination switch. Disconnect electrical connector. Remove screw attaching switch contact housing to steering lock body and slide out contact housing. See Fig. 2.

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

#### STEERING LOCK

**Removal** — Remove steering wheel, column shrouding and combination switch. File a slot in bolt attaching steering lock body to column shaft (in order to remove bolt with screwdriver) and remove bolt. Remove steering lock.

**Installation** — To install, reverse removal procedure and tighten new shear bolts until heads break.

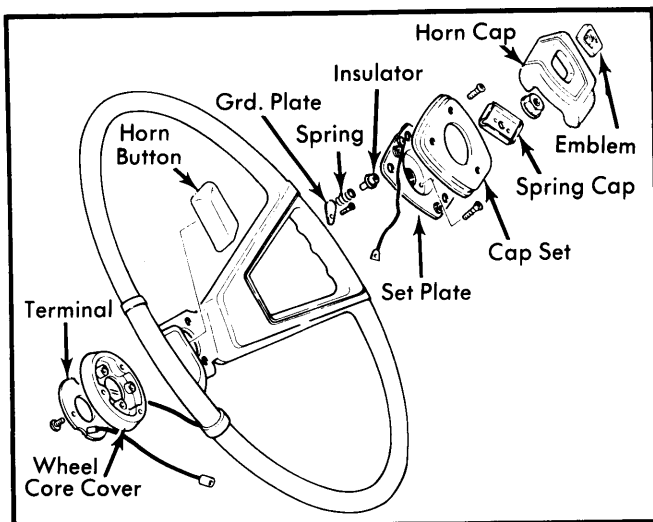


Fig. 1 Typical Mazda Steering Wheel Assembly

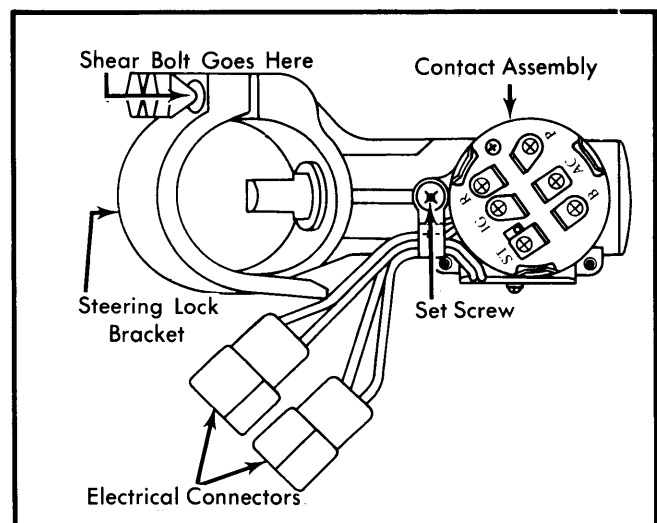


Fig. 2 Exploded View of Ignition Switch Assembly (Except B2000)

## MERCEDES-BENZ

**240D**  
**280 Series**  
**300 Series**  
**380 Series**

### REMOVAL & INSTALLATION

#### HORN PAD & STEERING WHEEL

**Removal (Polyurethane Wheel)** — Place alignment marks on wheel and shaft. Grip horn pad near one corner and pull straight up until free. Pull up other corner. Remove pad from steering wheel. Unscrew retaining nut, remove spring washer and pull steering wheel from shaft.

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

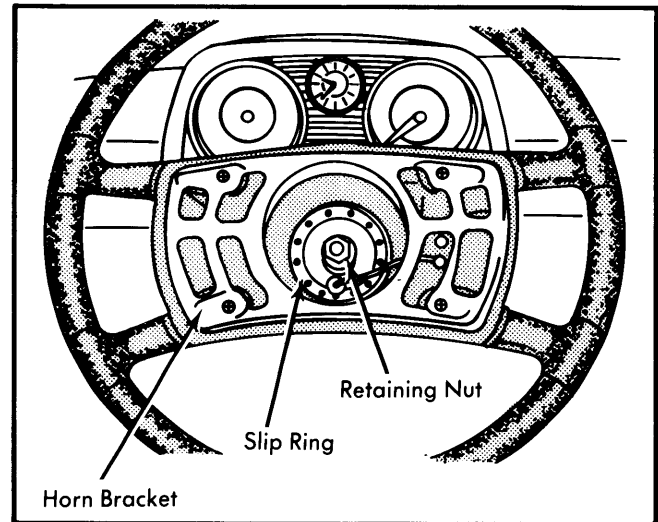
**Removal (Plastic Wheel)** — 1) Remove vehicle emblem from horn pad. Unscrew steering wheel retaining nut and pull wheel from shaft with pad still attached. Unscrew hex nuts on backside of wheel and separate steering wheel from pad.

**NOTE** — Horn wire is still attached to steering wheel, so care must be taken to avoid breaking it.

2) Detach horn wire from contact ring and remove steering wheel. Remove countersunk screws from steering wheel hub and centering pad of contact ring. Remove horn ring from

steering wheel. Remove locking ring from hub of pad, then remove slip ring.

**Installation** — To install, reverse removal procedure. Ensure wheels are kept in straight ahead position and that steering wheel spokes are horizontal.



**Fig. 1 Mercedes-Benz Steering Wheel with Cover Removed**

## PORSCHE

**911SC**  
**924**  
**928**

### REMOVAL & INSTALLATION

#### HORN PAD & STEERING WHEEL

**NOTE** — On models equipped with a collapsible "can" behind the steering wheel, care must be taken in all service procedures. Do not apply excessive or striking forces to the steering wheel or steering column.

**Removal (911SC)** — 1) Align front wheels in straight ahead position. Disconnect battery cable.

2) Grasp horn pad and rotate counterclockwise while pushing in. When horn pad is free, lift from steering wheel and disconnect horn contact finger.

3) Loosen steering wheel retaining nut. Mark position of steering wheel to steering shaft. Attach a suitable puller and remove the steering wheel.

**Installation** — To install steering wheel, reverse removal procedure and note the following: Lightly lubricate horn contact finger with electrical contact grease before installation.

**Removal (924)** — Disconnect battery. Using hand pressure, lift up horn pad. Unscrew wheel retaining nut. Pull wheel upward and off shaft.

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

**Removal (928)** — Disconnect battery ground. Place wheels in straight-ahead position. Take off horn pad. Disconnect horn wires. Index mark steering wheel and column shaft. Unscrew mounting nut. Remove steering wheel.

**Installation** — Align index marks and replace steering wheel so spokes are horizontal. Install mounting nut. Fit horn wires into place in pad. Press horn pad onto retaining pins.

#### COMBINATION SWITCH

**Removal (924)** — 1) Disconnect battery ground. Using hand pressure, lift up steering pad. Remove steering wheel mounting nut. Pull steering wheel off shaft.

2) Remove shroud from around switch housing. Pull up on switch plate and disconnect electrical wires. Remove entire switch assembly then, separate wiper/washer switch from turn signal switch by taking out screw that mounts them together.

**Installation** — Refit switches together with screw. Slide switch assemblies back into place, refitting spacer at same time. Make sure spacer is driven in until there is a distance of 1.7" (42.5 mm) from face (top edge) of spacer to top edge of shaft. This distance will ensure there is .08-.15" (2-4 mm) between steering wheel and steering column switches. Reverse removal procedure to install remaining components.

**Removal (928)** — Disconnect battery ground. Remove steering wheel. Remove cover from under steering column switch. Remove steering column switch mounting screw. Remove instru-