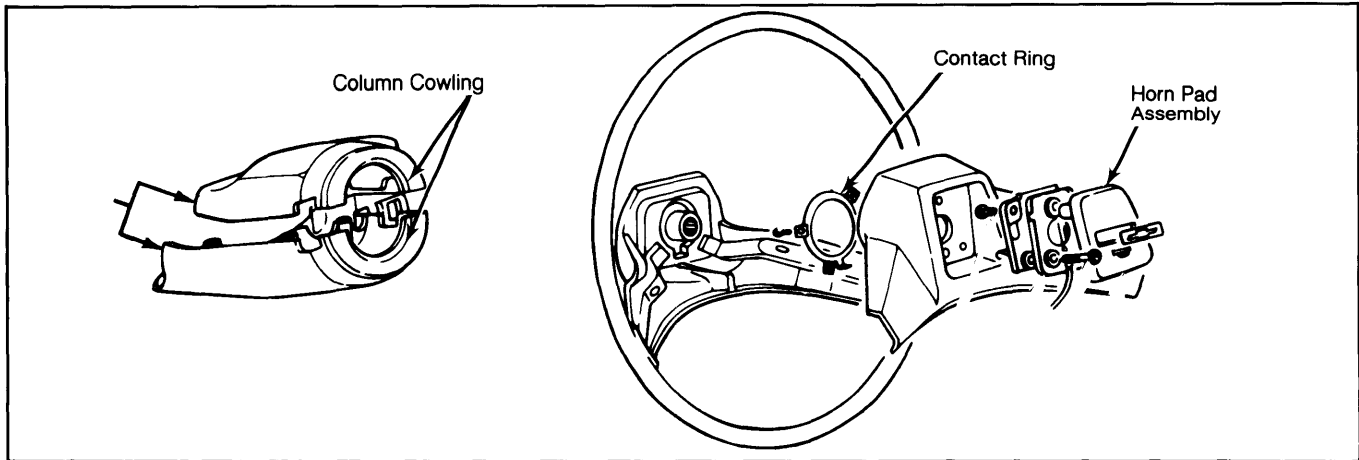


LUV (Cont.)

Fig. 1: LUV Steering Wheel Assembly



MAZDA

REMOVAL & INSTALLATION

STEERING WHEEL & COMBINATION SWITCH

Removal

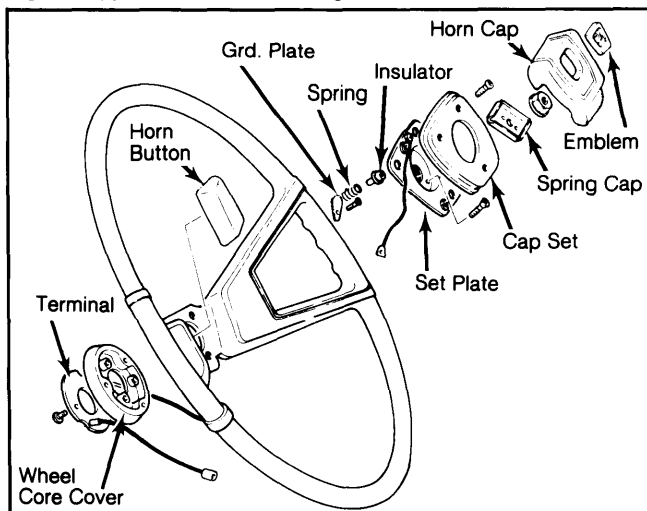
1) Disconnect battery ground cable. Pull off horn cap. Place front wheels in straight-ahead position. Index mark column shaft and steering wheel.

2) Remove steering column shrouding. Disconnect electrical connectors. To disconnect electrical connections on RX7, remove air duct at base of steering column.

3) On all models, 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.

Fig. 1: Typical Mazda Steering Wheel Assembly



Installation

To install, reverse removal procedures.

IGNITION SWITCH

Removal

1) Remove steering wheel as previously outlined. Remove column shrouding. Remove combination switch. Disconnect electrical connector.

2) 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

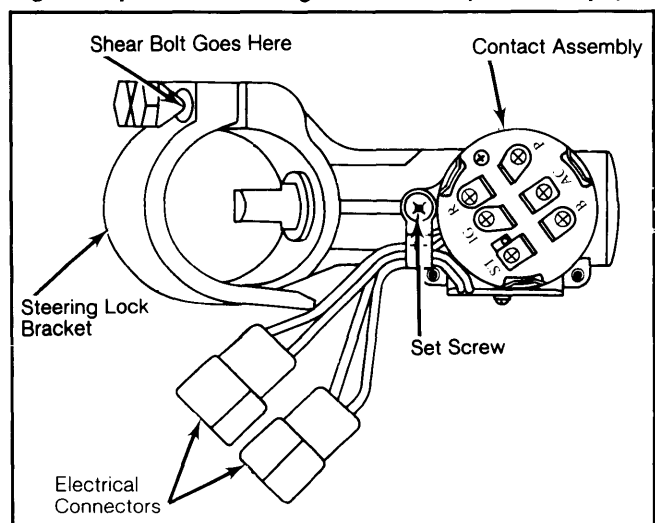
Removal

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. 2: Exploded View of Ignition Switch (Exc. Pickups)



12-14 Steering Wheel & Column Switches

MERCEDES-BENZ

REMOVAL & INSTALLATION

HORN PAD & STEERING WHEEL

Removal (Polyurethane Wheel)

1) Place alignment marks on wheel and shaft. Grip horn pad near one corner and pull straight up until free. Pull up other corner.

2) Remove pad from steering wheel. Unscrew retaining nut, remove spring washer and pull steering wheel from shaft.

Installation

To install, reverse removal procedures.

Removal (Plastic Wheel)

1) Remove vehicle emblem from horn pad. Unscrew steering wheel retaining nut and pull wheel from shaft with pad still attached.

2) Unscrew hex nuts on backside of wheel. Separate steering wheel from pad.

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

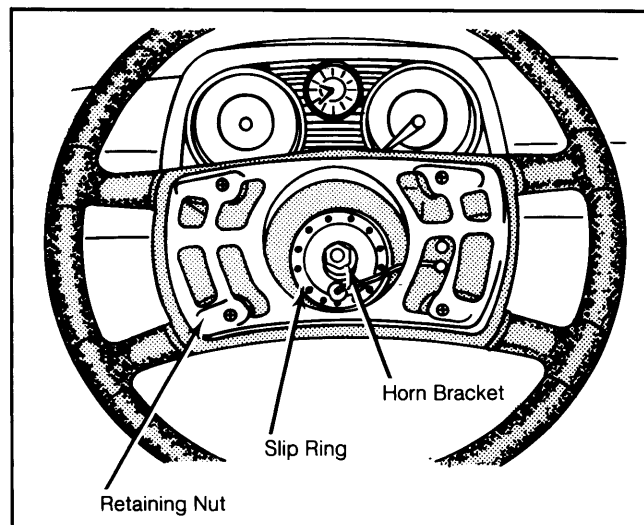
3) Detach horn wire from contact ring. Remove steering wheel. Remove countersunk screws from steering wheel hub and centering pad of contact ring.

4) Remove horn ring from steering wheel. Remove locking ring from hub of pad. Remove slip ring.

Installation

To install, reverse removal procedures. 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

REMOVAL & INSTALLATION

HORN PAD & STEERING WHEEL

Removal (911SC)

1) Align front wheels in straight-ahead position. Disconnect battery cable. Grasp horn pad and rotate counterclockwise while pushing in.

CAUTION: Do not apply excessive or striking forces to the steering wheel or steering column.

2) 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 puller and remove the steering wheel.

Installation

To install, reverse removal procedures. Lightly lubricate horn contact finger with electrical contact grease before installation.

Removal (924 & 944)

Disconnect battery. Using hand pressure, lift up horn pad. Unscrew wheel retaining nut. Pull wheel upward and off shaft.

CAUTION: Do not apply excessive or striking forces to the steering wheel or steering column.

Installation

To install, reverse removal procedures.

Removal (928)

Disconnect battery ground. Place wheels in straight-ahead position. Remove horn pad. Disconnect

horn wires. Index mark steering wheel and column shaft. Unscrew retaining nut. Remove steering wheel.

Installation

Align index marks and replace steering wheel so spokes are horizontal. Install retaining 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 retaining nut. Pull steering wheel off shaft.

CAUTION: Do not apply excessive or striking forces to the steering wheel or steering column.

2) Remove shroud from around switch housing. Pull up on switch plate and disconnect electrical wires.

3) Remove entire switch assembly, separate wiper/washer switch from turn signal switch by taking out screw that retains them together.

Installation

1) Refit switches together with screw. Slide switch assemblies back into place, refitting spacer at same time.

2) 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.

3) This distance will ensure there is .08-.15" (2-4 mm) between steering wheel and steering column