

10-10 Steering Wheel & Column Switches

JAGUAR (Cont.)

TURN SIGNAL, WIPER/WASHER, DIMMER

Removal (XJS) – 1) Disconnect battery ground. Loosen steering wheel hand adjustment ring, then extend wheel as far into passenger compartment as possible. Remove steering column lower shrouding. Remove steering wheel.

2) Remove upper shroud screw from bracket on column. Loosen pinch screw holding switch assembly to column. See Fig. 2. Separate shroud from switch assembly. Remove switch mounting screw. Separate ground at electrical quick-disconnect. Separate turn signal and wiper/washer switches.

Installation – To install, reverse removal procedure.

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REMOVAL & INSTALLATION

STEERING WHEEL

Removal – Place front wheels in straight ahead position. Disconnect battery. Remove horn cover mounting screws from below steering wheel spokes. On Coupe models only, horn cover will pry off. Remove spring. Mark steering wheel and shaft. Remove mounting nut. Fit puller 88062038 (or equivalent) and remove steering wheel.

NOTE – On some early models it will be necessary to drill and tap two holes for puller.

Installation – To install, reverse removal procedure. Make sure index marks on steering wheel and shaft align.

STEERING COLUMN LOCK AND IGNITION SWITCH

Removal – 1) Disconnect battery. Place front wheels in straight ahead position. Remove steering shaft mounting bolt and take off lower column casing. Disconnect multi-plug from socket. Remove steering column cover nuts and lift off complete with controls and steering wheel.

2) Use a .236" (6 mm) drill and remove shear bolts mounting column lock. Punch out bolts (if necessary) and lift out lock. Remove bolt keeping ignition switch to column lock support. Fit key and turn switch to "GAR", remove key. Use a metal pointed tool, depress lock spring, and slip out lock at same time.

Installation – Reassemble ignition switch. Fit column lock into position on steering column. Tighten mounting bolts until heads shear. Refit steering shaft lower end and tighten nut. Install upper cover to steering column and tighten mounting nuts. Reconnect multi-plug. Install steering column lower cover. Connect battery.

STEERING COLUMN ADJUSTER

Removal – 1) Disconnect battery. Disconnect speedometer at transaxle. Remove instrument cluster bolts and knobs. Disconnect speedometer cable from under dash. Separate electrical connections and lift off cluster.

2) Remove lower column cover. Remove nuts mounting steering shaft to adjustable bracket. Place steering shaft out of way. Remove mounting nuts and take off adjuster handle. Remove nuts mounting bracket to pedal support and lift off unit.

Installation – To install, reverse removal procedure.

LUV

CAUTION – Steering shaft is an energy-absorbing unit. During any service operation, avoid jarring or leaning on any portion of column.

REMOVAL & INSTALLATION

HORN BUTTON & STEERING WHEEL

1) Disconnect battery. Remove horn pad and spring by pushing in on pad and turning counterclockwise.

2) Remove horn contact ring and wire. Unscrew steering wheel retaining nut. Mark position of steering wheel on column shaft. Remove steering column cowling (4 screws).

3) Using appropriate puller (J-24292 for standard wheel or J-2927/J-2927-10 for sport type wheel), remove steering wheel.

TURN SIGNAL/DIMMER SWITCH

Switch is a combination turn signal and headlight dimmer assembly. Disconnect battery ground and remove steering

LUV

column cowling. Disconnect wires to switch harness. Remove switch by separating from clamp on mast jacket (two screws). To install, reverse removal procedures.

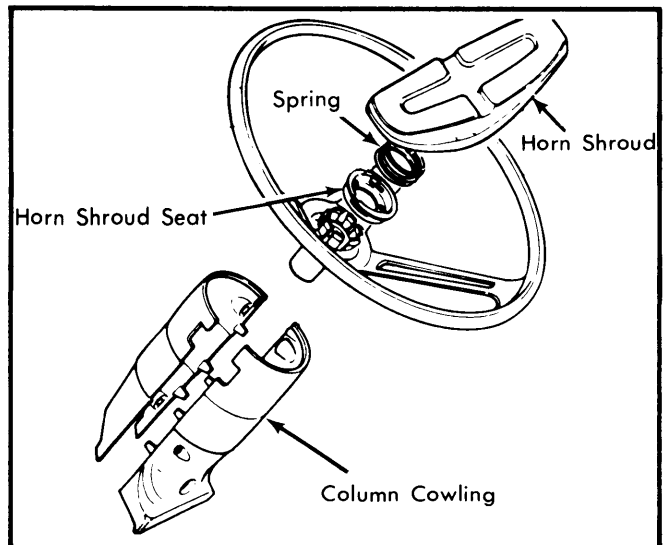


Fig. 1 LUV Steering Wheel Assembly

Steering Wheel & Column Switches 10-11

LUV (Cont.)

HAZARD WARNING SWITCH

Disconnect battery ground cable. Remove steering column cowling screws. Hazard warning switch is retained on upper half of cowling by two screws. Disconnect switch wiring harness at connector, remove mounting screws, and withdraw switch. To install, reverse removal procedure.

ADJUSTMENT

STEERING WHEEL ALIGNMENT

1) Set front wheels in straight-ahead position. Check location of spot on wormshaft which indicates gear "high point" (this should be at top center).

2) If gear is not in this position, loosen adjusting locknuts on both left and right sides of intermediate connecting rod.

3) Remove intermediate rod with inner tie rod ends attached. Turn ends an equal amount in the same direction to bring steering gear back to high point.

NOTE — Turning ends unevenly will disturb toe-in setting; however, toe-in should be rechecked after adjustment is made and set as required.

4) Note position of steering wheel spokes. They should be equally balanced. If they are off-center, remove steering wheel and reposition to proper alignment.

MAZDA

GLC
Cosmo
RX4
B1800

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. On models so equipped, remove stop ring from steering shaft. Take out screw(s) mounting combination switch and lift assembly from vehicle.

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

Installation — To install, reverse removal procedure.

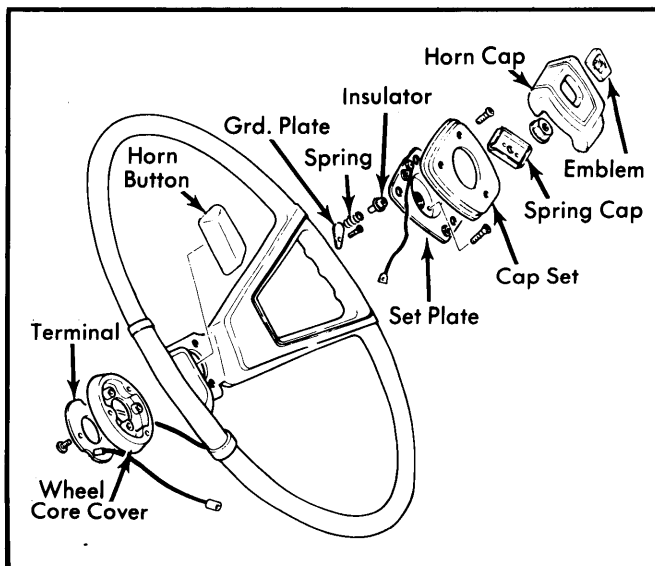


Fig. 1 Typical Mazda Steering Wheel Assembly

IGNITION SWITCH

Removal; RX4 & Cosmo — Remove steering wheel as previously outlined. Remove column shrouding. Remove combination switch. Disconnect electrical connector. Remove screw attaching switch contact (See Fig. 2) housing to steering lock body and slide out contact housing.

Installation — Reverse removal procedure.

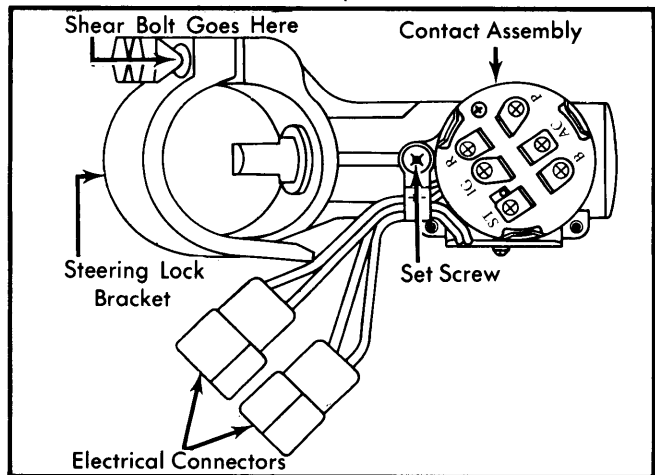


Fig. 2 RX4 and Cosmo Ignition Switch Contact Housing

KEY CYLINDER

Removal & Installation; RX4 & Cosmo — Remove steering wheel. Remove steering column shrouding. Remove set screw holding key cylinder. Insert key into cylinder and place in "ON" position. Push in on lock button and pull out key with cylinder. Reverse removal procedure to install key cylinder.

STEERING LOCK

Removal (RX4 & Cosmo) — Remove steering wheel, column shrouding and combination switch. Remove 2 bolts mounting steering column bracket to instrument panel. Move shaft out from instrument panel about 1" (.039 mm). Put a groove in bolt attaching steering lock body to column shaft and remove bolt. Steering lock should be free to remove.

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