

10-10 Steering Wheel & Column Switches

OPEL

**Manta
1900**

HORN BUTTON & STEERING WHEEL

Removal — Disconnect battery. Pry off horn cap and remove attaching wires. Bend lock plate tabs down, unscrew steering wheel retaining nut and remove lock plate. Attach a suitable steering wheel puller (J-21686) and detach steering wheel from shaft.

Installation — Before replacing steering wheel, lubricate return pin and sliding area of turn signal return cams and horn contact ring. Ensure steering shaft flange clamp is on top and that notch on shaft face is horizontal. Install a new lock plate, position steering wheel on shaft, tighten retaining nut to 11 ft. lbs. (1.52 mkg). Bend up lock plate tabs, reconnect horn cap wires, and replace cap.

TURN SIGNAL SWITCH & IGNITION LOCK

Removal — 1) Remove steering wheel as outlined. Pull off signal switch and ignition lock wiring harness. Pull directional lever out of seat (lever is held in place by a lock ball). Detach lower half of steering column cover. Remove hex nut from steering mast jacket attachment at front of instrument panel.

2) Unscrew slide-off base from underside of instrument panel and remove upper part of signal switch housing cover. Place thick piece of wood on front seat and allow steering column to rest on it.

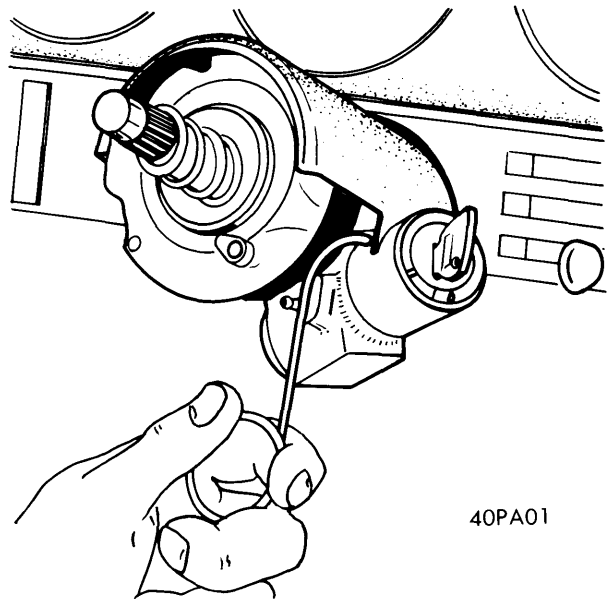
3) Centerpunch shear-head bolts for lock bracket; drill and remove bolts. Remove steering and ignition lock and signal switch assemblies from mast jacket, and loosely attach slide-off base below instrument panel.

4) To remove lock cylinder from its housing, place key in position "1" and push in cylinder lock spring with a stiff wire. Cylinder can now be withdrawn.

Installation — When installing a new turn signal switch, also use a new bearing and snap ring in the switch assembly. Install switch and lock assemblies in position using new shear-head bolts.

2) Disconnect slide-off base, replace upper half of turn signal switch housing cover and loosely reattach slide-off base. Attach steering mast jacket at front of dash panel.

3) Torque slide-off base attaching nuts. Install lower half of steering column cover and reconnect wire harness. Install steering wheel.



**REMOVING LOCK CYLINDER
(ON-CAR REMOVAL SHOWN)**