

Steering Wheel & Column Switches 10-3

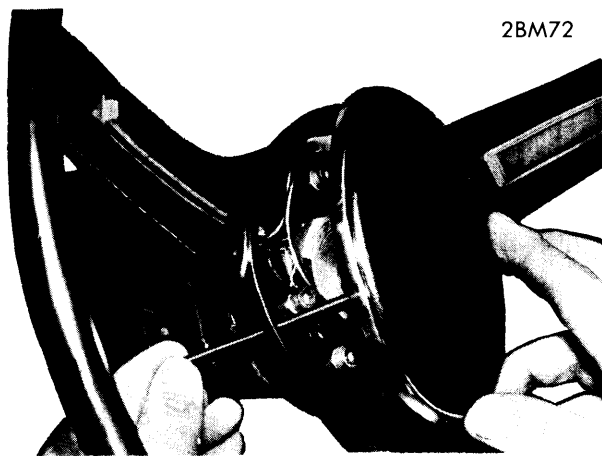
BMW

BMW 4 Cyl.
2002
2002 tii
BMW 6 Cyl.
3.0
Bavaria

STEERING WHEEL

Removal — Center steering with wheels in straight-ahead position. Remove cover from center of steering wheel by inserting a small rod into hole beneath cover (at side of wheel hub). Mark steering wheel and shaft for reference. Pull wheel from shaft.

Installation — To install, reverse removal procedure, noting reference mark made during removal.



WHEEL COVER REMOVAL

HORN CONTROL

Removal (4 Cyl. Models) — 1) Remove steering wheel as outlined above. To replace carbon contact brush, proceed as follows: Detach brush lead from contact plate, then remove plate. Push carbon brush out of steering wheel (front to rear). Press new carbon brush into steering wheel.

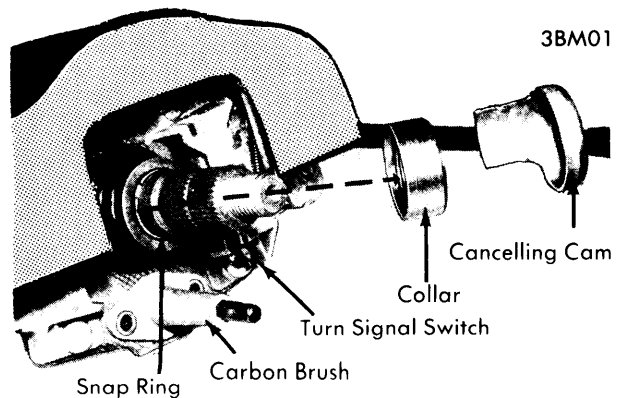
2) To remove horn contact slip ring, detach upper cover from steering column, disconnect electrical lead, and remove slip ring.

Removal (6 Cyl. Models) — 1) Horn contact switch removal does not require steering wheel removal. For other operations, remove steering wheel as outlined above. A horn contact switch is mounted in each spoke of steering wheel and retained by screws at underside of wheel. Wires from the three switches terminate in a single connection to the slip ring.

2) To replace slip ring, separate connection to horn contact switches, remove screws retaining slip ring to base of steering wheel and remove slip ring.

3) To replace carbon brush on steering column switch plate, remove lower cover from column, disconnect horn wire at brush assembly, then drill out rivets retaining brush assembly to switch plate. **NOTE** — Use screws when replacing brush assembly.

Installation — To install, reverse removal procedure and note the following: Check size of steering wheel nut before tightening. Torque a .47" (12 mm) nut to 40-43 ft. lbs. (5.5-6.0 mkg), and a .55" (14 mm) nut to 61-69 ft. lbs. (8.5-9.5 mkg).

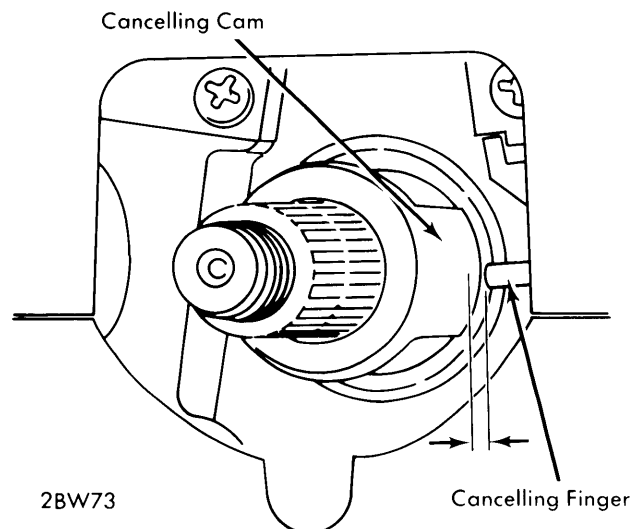


COLUMN SWITCH PLATE (6 CYL. SHOWN)

TURN SIGNAL SWITCH OR DIMMER SWITCH

Removal — Remove steering wheel as outlined previously. Detach upper cover from steering column (4 cylinder models) or lower cover (6 cylinder models). Both switches are now accessible. **NOTE** — Remove trim panels as necessary for access to switch wiring harness. Turn signal cancelling cam may be removed at this time if desired.

Installation — To install, reverse removal procedure and note the following: Dimmer switch should be positioned in center of slots. When installing turn signal switch, steering must be in straight-ahead position. With switch in neutral position, cancelling finger should point to center of cancelling cam with a .012" (0.3 mm) clearance between cam and finger.



CANCELLING CAM & FINGER