

Steering Wheel & Column Switches 10-3

ARROW & COLT

Arrow
Colt

REMOVAL & INSTALLATION

HORN BUTTON & STEERING WHEEL

Pry off horn pad. Mark relative position of steering wheel on the shaft for reassembly reference. Remove steering wheel nut, then use a suitable puller (CT-1126 for standard wheel; DT-1001 for sports type wheel) to remove the steering wheel.

CAUTION — Do not use excessive force to remove the steering wheel from the shaft.

COMBINATION SWITCH (TURN SIGNAL, WIPER/WASHER, HAZARD)

To remove the combination switch assembly, tilt steering wheel to its lowest position, remove cover from switch assembly, disconnect switch wiring and withdraw switch assembly from column.

100
Fox

REMOVAL & INSTALLATION

STEERING WHEEL & HORN CONTROL

100 — Pry off steering wheel pad toward front seat. Unscrew steering wheel nut and pull off wheel. Remove oval-head screws and washers retaining horn bar. When lifting off horn bar, note position of three springs, washers, and contact rings beneath bar.

Fox — Pull off steering wheel horn control pad by hand. Disconnect ground wire at horn button. Unscrew mounting nut and remove steering wheel.

AUDI

Fox — When steering wheel is removed, unscrew switch base cap and disconnect electrical plugs at both lever switches, as well as horn contact ring plug. Individual switches may now be removed from base cap.

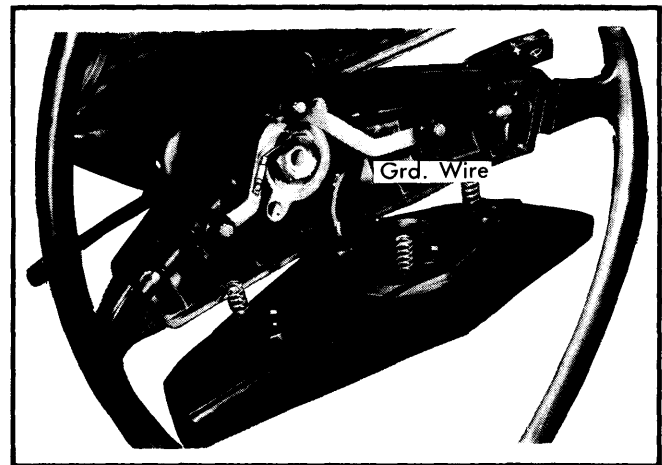


Fig. 1 Removing Horn Bar/Protective Cover from Audi Fox

TURN SIGNAL/DIMMER & WIPER SWITCHES

100 — With steering wheel removed, detach horn slip ring and steering horn ground contact. Remove three washers from top of steering shaft. Separate electrical connectors for switches, then remove both switch mechanisms.

BMW

320i
530i
630CSi

REMOVAL & INSTALLATION

STEERING WHEEL

Removal — Place wheels in straight-ahead position. Pry steering wheel cover off to expose wheel mounting nut. Index mark wheel and main shaft. Remove mounting nut and pull steering wheel off main shaft.

Installation — To install, reverse removal procedure and refer to reference marks made during removal.

HORN CONTROLS

Horn Button — Remove screw on back side of steering wheel spoke to free horn button.

Contact Spring — Pry off cover concealing contact spring. Replace spring if broken or if spring is unable to provide ade-

quate contact. Make sure contact pins face inward when reinstalling existing spring or fitting new one.

Slip Ring — Disconnect electrical lead at each spoke. Remove 2 slip ring mounting screws and slide slip ring off steering wheel.

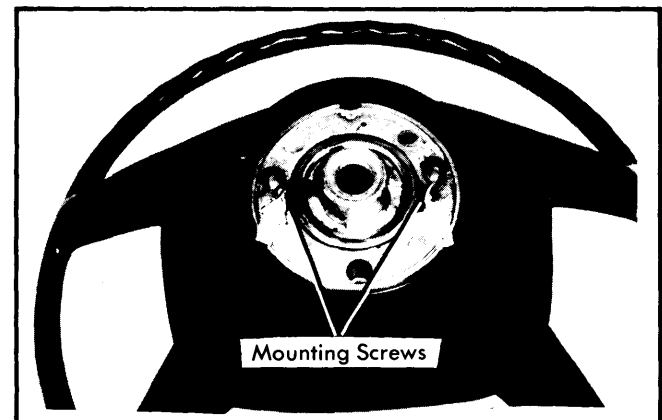


Fig. 1 Screws to Take Out for Slip Ring Removal

BMW (Cont.)

TURN SIGNAL & DIMMER SWITCH

Removal — Disconnect battery ground cable. Remove 3 mounting screws and pull down lower shroud. Remove steering wheel as previously outlined. Separate wiring from mounting straps on steering column. On 320i models, disconnect electrical plug under instrument panel. On other models, disconnect central fuse/relay plug. Remove 4 switch mounting screws and slide off switch with harness.

Installation — To install, reverse removal procedure and note: Make sure steering wheel is lined up with reference marks. Ensure turn signal assembly is centered. Finger on cancelling cam must face toward center. Distance between switch and finger should be about .118" (3 mm).

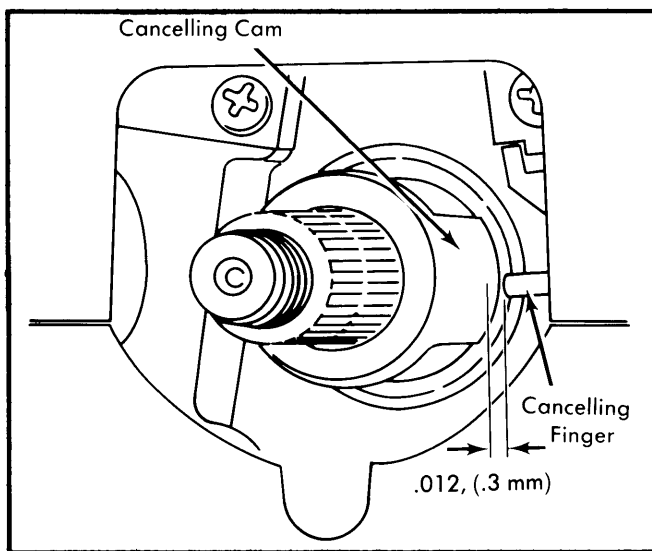


Fig. 2 Cancelling Cam and Finger with Clearance Shown

IGNITION SWITCH

Removal — Disconnect battery ground cable. Remove 3 mounting screws and pull off lower plastic shroud. Remove hollow set screw and slide out ignition switch. Disconnect horn wires on 320i models only. Disconnect steering column wire holders. On 530i and 630CSi models only, disconnect central fuse/relay plate plug and plug connector. On 320i models only, disconnect central plug. Ignition switch is free for removal.

Installation — To install, reverse removal procedure and note following: Make sure to turn ignition key all the way back before inserting. Set ignition switch at "O" position before installing. On 320i models only, marks on ignition switch must oppose each other.

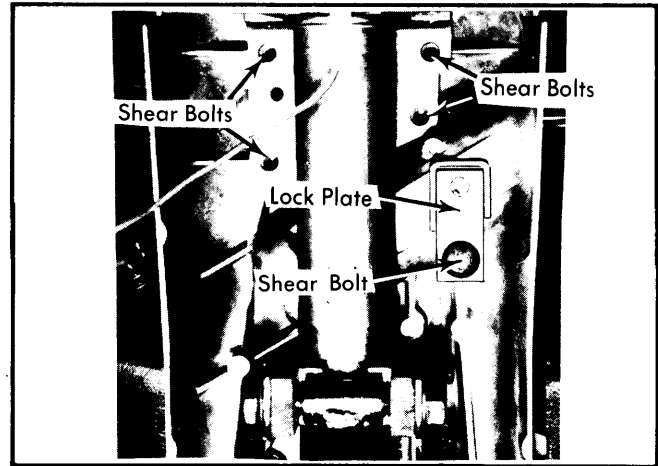


Fig. 3 Location of Shear Bolts. View Looking up from Under Steering Column. 530i and 630CSi Shown

STEERING LOCK

Removal; 530i & 630CSi — 1) Disconnect battery ground. Remove steering wheel. Remove 3 screws holding lower steering column shroud. Disconnect and remove turn signal and wiper/washer switch plate.

2) Remove shear bolts from switch plate with chisel. Remove set screw on outside of steering column tube. Pull out ignition switch. Remove steering lock plate shear bolt and pull out steering lock.

Installation — To install, reverse removal procedure.

Removal; 320i — Disconnect electrical wires from under instrument panel. Remove shroud. Remove shear bolt from lock plate and pull out steering lock.

Installation — To install, reverse removal procedure.

CAPRI

Capri

REMOVAL & INSTALLATION**STEERING WHEEL**

Removal — Align wheels in straight-ahead position. Remove two screws securing steering column shroud and detach both

halves. Pry out steering wheel center emblem. Unscrew steering wheel nut. Note alignment marks on wheel and shaft. Pull off steering wheel, using hand pressure only.

Installation — To install, reverse removal procedure, noting the following: Realign positioning marks of steering wheel and shaft. Ensure turn signal cancelling cam is engaged in groove on underside of steering wheel.