

Steering Wheel Removal

STEERING WHEEL, HORN BUTTON, TURN SIGNAL SWITCH REMOVAL

AMERICAN MOTORS

NOTE — For steering column lock mechanisms, see Ignition Switches in A & E Section.

HORN BUTTON REMOVAL & INSTALLATION

Removal — Disconnect negative battery cable. On vehicles with center horn buttons, remove button by lifting up and pulling out. On all other types, loosen mounting screws on back of wheel, pull horn wire plastic retainer from turn signal cancelling cam, and remove button.

Installation — On center type buttons, install by indexing projection on rubber retaining ring with notch in cup, and pressing down to engage ring. On all others, place horn wire in hole, secure by pressing retainer in place and then install screws. Connect negative battery cable.

STEERING WHEEL REMOVAL & INSTALLATION

With horn button removed, remove attaching nut and washer, and note alignment marks on steering shaft and wheel. Using a suitable wheel puller (J-21232), remove steering wheel. To install, align marks on wheel and shaft, install washer and nut, tighten nut, then install horn button.

TURN SIGNAL SWITCH REMOVAL & INSTALLATION

Remove steering wheel. Loosen anti-theft cover retaining screws and lift cover from column. Using suitable lock plate compressor tool (J-23131), depress lock plate, pry snap ring from steering shaft groove. Remove tool, snap ring, lock plate, directional signal canceling cam, upper bearing preload spring and thrust washer from steering shaft. Place directional signal actuating lever in right turn position and remove lever. Depress hazard warning light switch and remove button by turning in a counterclockwise direction. Remove directional signal wire harness connector block. On Hornet series with Torque Command and column shift, use a stiff wire to depress lock tab which retains shift quadrant light wire (grey wire) to connector block (terminal "D"). Remove switch retaining screws and pull directional switch and wire harness from column. To install, reverse removal procedure.

CHRYSLER CORP.

NOTE — For steering column lock mechanisms, see Ignition Switches in A & E Section.

HORN BUTTON REMOVAL & INSTALLATION

Three Spoke Wheel With Full Horn Pad — Remove three horn pad mounting bolts from rear face of steering wheel. Remove ground wire, horn switch lead wire from terminal, screws mounting switches to steering wheel, then remove switches. To install, reverse removal procedure.

Two & Three Spoke Wheel With Center Horn Button — Remove horn button by pulling outward. Remove electrical lead from terminal on horn switch, screws mounting switch assembly to steering wheel, then remove switch assembly. Remove screws mounting retainer to switch. To install, reverse removal procedure.

Rim Blow Wheel — Remove steering wheel pad by removing two retaining screws from rear face of spoke. Disconnect horn lead. Using a thin blade, pry each end of rubber enclosed switch assembly from groove. Lubricate rubber surface of switch with soapy water, then pull free from wheel. To install, place wheel in normal driving position and reverse removal procedure.

STEERING WHEEL REMOVAL & INSTALLATION

Remove steering wheel nut and washer. Using a suitable puller (C-3428B), remove steering wheel. *CAUTION* — Do not hammer on puller to remove wheel. On Barracuda and Challenger models, remove three nuts fastening steering wheel to corrugated cylinder, remove nut and washer from steering shaft and pull cylinder from splines using suitable puller (C-3428B). To install, reverse removal procedure.

TURN SIGNAL SWITCH REMOVAL & INSTALLATION

Disconnect fusible link in engine compartment. Remove steering wheel. Remove turn signal lever mounting nut, then remove lever. *CAUTION* — On models with Cruise Control, DO NOT remove lever, let hang loose. Remove switch and bearing retainer mounting screws, retainer, column cover, horn wire at mounting stud, nuts mounting column bracket to lower panel reinforcement, nuts mounting bracket to steering column and remove bracket. Remove screws mounting wire harness protector to steering column, then remove protector. Remove tape securing wiring harness to column. Disconnect wiring harness connector and remove switch. To install, reverse removal procedure.

FORD MOTOR CO.

NOTE — For steering column lock mechanisms, see Ignition Switches in A & E Section.

HORN BUTTON REMOVAL & INSTALLATION

Rim Blow Wheel — Remove trim pad and disconnect horn lead wires. Remove plastic cover, then lift out horn insert on inner diameter of steering wheel. *NOTE* — If new insert is required on models with speed control, entire steering wheel must be replaced. To install, reverse removal procedure.

Two Spoke Wheel — Remove negative battery cable from battery. Remove retaining screws from rear of wheel and remove pad, switch/trim cover and medallion as an assembly. On Maverick, Mustang and Pinto models, press down on horn button and turn counterclockwise to remove. Disconnect horn lead wires. To install, reverse removal procedure.

STEERING WHEEL REMOVAL & INSTALLATION

All Models — Remove horn button and/or ring (see above) and using a suitable puller (T67L-3600A) remove steering wheel. *CAUTION* — Do not use a knock-off type puller. To install, reverse removal procedure, making sure alignment mark on hub of wheel is adjacent to mark on shaft. Torque locknut to 30 to 40 Ft. Lbs.

DIRECTIONAL SIGNAL SWITCH REMOVAL & INSTALLATION

All Models — Remove horn button, or horn ring, and steering wheel as outlined above. Unscrew turn signal switch lever from column. Remove shroud from under column. Lift up on tabs and remove column wiring connector plug from bracket. Remove screws securing switch assembly to column and remove switch. On vehicles with tilt column, remove wires and terminals from column wiring connector plug with small screwdriver or paper clip. *NOTE* — Record color code and location of each wire before removing it from plug. A hole provided in flange casting on fixed columns makes it unnecessary to separate wires from plug. Remove plastic cover sleeve from wiring harness and remove switch and wire from top of column. To install, reverse removal procedure.

STEERING WHEEL, HORN BUTTON, TURN SIGNAL SWITCH REMOVAL (Cont.)

JEEP

NOTE — For steering column lock mechanisms, see Ignition Switches in A & E Section.

HORN BUTTON REMOVAL & INSTALLATION

All Models — On models with horn button, disconnect negative battery terminal, then pull horn button from steering wheel. On Wagoneer and Cherokee models with trim pad, remove attaching screws from rear of steering wheel and remove pad from wheel. Disconnect horn wire switch in steering wheel cavity by gently pulling and wiggling connector. To install, reverse removal procedure.

STEERING WHEEL REMOVAL & INSTALLATION

All Models — Remove horn button assembly. With wheels in a straight ahead position, scribe a line on steering wheel hub and steering shaft. On CJ models, release turn signal assembly from steering post, remove steering wheel nut and washer, then remove wheel using a suitable puller (W-364). On Wagoneer and Cherokee models, remove steering wheel nut and washer, then remove wheel using a suitable puller (C-3428-B). To install, reverse removal procedure.

TURN SIGNAL SWITCH REMOVAL & INSTALLATION

Wagoneer & Cherokee — Remove steering wheel, then loosen (do not remove) anti-theft cover retaining screws and lift cover from column. Using a suitable lock plate compressor tool, compress lock plate and remove round wire snap ring from steering shaft groove. Remove tool, snap ring, lock plate, turn signal cam, upper bearing spring, and thrust washer from shaft. Place signal lever in right turn position, then remove lever. Depress hazard warning light switch and remove button. Remove wire harness connector block from mounting bracket. On models with automatic transmission, use a stiff wire to depress lock tab which retains shift quadrant light wire in connector block. Remove switch retaining screws, then pull switch assembly from column. To install, reverse removal procedure.

GENERAL MOTORS

NOTE — For steering column lock mechanisms, see Ignition Switches in A & E Section.

HORN BUTTON REMOVAL & INSTALLATION

CAUTION — On models with Air Cushion Restraint System, turn ignition switch to "LOCK" position, disconnect negative battery terminal and tape end to prevent accidental deployment of system.

Disconnect negative battery cable. On models with Air Cushion Restraint System, use suitable tool (J-24628-2) to remove four module to steering wheel screws, lift up module and disconnect horn lead, then use suitable tool (J-24628-3) to disconnect module wire connector from snap ring. On models with sport wheel, lift off cap, then remove three screws and take off contact, insulator eyelet and spring. On all other models, remove screws from underside of wheel, partially lift off pad, disconnect lead connector, and lift off pad. To install, reverse removal procedure.

STEERING WHEEL REMOVAL & INSTALLATION

Remove horn button, trim pad, or ACRS module. On models with tilt and telescoping columns, remove screws securing locking lever and flange to steering wheel hub. On all models, remove steering wheel nut and washer, then remove wheel using a suitable puller. *CAUTION* — Do not hammer on underside of wheel or on steering shaft. To install, reverse removal procedure.

TURN SIGNAL SWITCH REMOVAL & INSTALLATION

Remove steering wheel, then remove lock plate cover screws and lift off cover. *NOTE* — Some models have plastic retainers on screws and it is not necessary to completely remove these screws. Using a suitable lock plate compressor tool (J-23653), depress lock plate and pry retaining ring off shaft. *NOTE* — Use a new ring at reassembly. Remove lock plate tool, lock plate, upper bearing preload spring, and turn signal cancelling cam from steering shaft. Remove upper thrust washer and turn signal lever. Push hazard warning switch in and unscrew knob. Remove switch mounting screws, wrap a piece of tape around upper part of wires, then remove switch by pulling straight up. To install, reverse removal procedure.