

Steering Wheel Removal

1973 STEERING WHEEL, HORN BUTTON, TURN SIGNAL SWITCH REMOVAL

AMERICAN MOTORS

NOTE — For steering column lock mechanisms, see "Ignition Switches" in *ELECTRICAL* section.

HORN BUTTON REMOVAL & INSTALLATION

All Models — Remove spoke horn contact assembly by loosening bottom attaching screws. Remove center button type by lifting up on button. To install, index projection on rubber retainer ring with notch in cup. With wheel centered, cup notch is up. Torque screws to 25 In. Lbs.

STEERING WHEEL REMOVAL & INSTALLATION

All Models — With horn button removed, install a suitable puller (J 21232) and pull wheel from steering shaft. To install, reverse removal procedure and tighten nut to 20 Ft. Lbs.

DIRECTIONAL SIGNAL SWITCH REMOVAL & INSTALLATION

All Models — Disconnect battery, remove horn ring and steering wheel. Loosen anti-theft cover retaining screws and lift cover from column. Use a suitable lock plate compressor tool (J 23131) and steering wheel nut to depress lock plate, pry round wire snap ring from steering shaft groove. Remove snap ring, lock plate, and cancelling cam assembly. Remove upper bearing preload spring and thrust washer. Place directional signal lever in right turn position and remove lever. Depress hazard warning switch and remove button by turning in a counterclockwise direction. Remove directional signal wire harness connector block. Remove directional signal switch retaining screws and pull switch and wire harness from column. To install, reverse removal procedure.

CHRYSLER CORP.

NOTE — For steering column lock mechanisms, see "Ignition Switches" in *ELECTRICAL* section.

HORN BUTTON REMOVAL & INSTALLATION

Three Spoke Wheel — Pry center cover from wheel spoke cover assembly, remove spoke cover by removing three screws. Lift out all three horn switches, by first removing two clips from behind each wheel cover spoke. To install, turn wheel to normal driving position, (having one spoke at six o'clock) and 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, and pull free from wheel. To install, place wheel in normal driving position and reverse removal procedure.

STEERING WHEEL REMOVAL & INSTALLATION

All Models — Remove steering nut and washer. Using a suitable puller (C-3424B) remove steering wheel. *CAUTION* — Do not hammer on puller to remove wheel. On Barracuda and Challenger, remove three nuts fastening steering wheel to corrugated cylinder, remove nut and washer from steering shaft and pull cylinder from splines using a suitable puller (C-3424B). To install, reverse removal procedure.

DIRECTIONAL SIGNAL SWITCH REMOVAL & INSTALLATION

All Models — Remove steering wheel (see above), then remove screw attaching turn signal lever to switch and remove lever. Disconnect turn signal wiring at steering column jacket tube below instrument panel. *NOTE* — Attach a piece of string to wiring before removing switch from column. When switch is removed, leave string in steering column jacket tube as an aid in replacing wires. Remove screws attaching turn signal switch to steering column and remove switch from top of column. To install, reverse removal procedure.

FORD MOTOR CO.

NOTE — For steering column lock mechanisms, see "Ignition Switches" in *ELECTRICAL* section.

HORN BUTTON REMOVAL & INSTALLATION

All Models — Disconnect battery cable. Remove horn ring (if so equipped) by turning it counterclockwise. On Maverick and Pinto models, remove horn button (if so equipped) by twisting horn button assembly counterclockwise to release locking tabs, disconnect horn wire. To install, reverse removal procedure. On Maverick and Pinto models, connect horn wires and install horn button by locating index opening in the button over the locator boss on steering wheel hub. Twist button clockwise to lock.

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.

JEEP

HORN BUTTON REMOVAL & INSTALLATION

All Models — Disconnect battery cable. On CJ/DJ, and Com-mando models pull horn button from steering wheel. To install, press cap into position. On Wagoneer, remove steering wheel spoke horn cover attaching screws from underside of steering wheel and remove cover. Disconnect horn wire switch in steering wheel cavity by gently pulling and wiggling connector. To install, reverse removal procedure.

1973 STEERING WHEEL, HORN BUTTON, TURN SIGNAL SWITCH REMOVAL (Cont.)

JEEP (Cont.)

STEERING WHEEL REMOVAL & INSTALLATION

All Models — Remove horn button as outlined above. On CJ/DJ models line front wheels to straight ahead position. Scribe a line mark on steering wheel hub and steering shaft. Release turn signal assembly from steering post, and using a suitable puller (W-364) remove steering wheel. On **Commando** models remove horn button, and wheel nut and washer. Remove three screws from wheel cavity, and remove horn button receiver bushing, receiver and spring. Scribe a line on steering wheel hub and steering shaft. Using a suitable puller (C-3428B) remove steering wheel. To install, reverse removal procedure. On **Wagoneer** models remove horn button cover as outlined above. Remove steering wheel nut and washer. Scribe a line on steering wheel hub and steering shaft. Using a suitable puller (C-3428B) remove steering wheel. To install, reverse removal procedure.

DIRECTIONAL SIGNAL SWITCH REMOVAL & INSTALLATION

Commando Models — Remove horn button and steering wheel as outlined above. Remove directional signal lever, (use milled flat on lever). Disconnect signal harness from frame harness. Remove wires by inserting a narrow blade to depress retaining tang in connector. Remove harness loom. Remove retaining screw from directional signal switch. Pry out horn contact button. Remove two bowl attaching screws and allow bowl to slide down column. Tape disconnected wires together, and attach a string or wire to turn signal harness and pull harness out of column. To install, reverse removal procedure.

Wagoneer Models — Remove horn button cover, and steering wheel as outlined above. Loosen anti-theft cover retaining screws, and lift cover from column (do not completely remove screws). Use a suitable lock plate compressor tool (J-23653) to depress lock plate. Once lock plate is depressed, pry round wire snap ring from steering shaft groove. Remove lock plate tool, snap ring, lock plate, directional signal cam, upper bearing spring, and thrust washer from shaft. Place signal lever in right turn position and remove lever. Depress hazard warning light switch, and remove button. Remove directional signal wire harness connector block from its mounting bracket. On models equipped with automatic transmission, use a stiff wire to depress lock tab which retains shift quadrant light wire in connector block. Remove switch retaining screws, and pull switch and wire harness from column.

GENERAL MOTORS

HORN BUTTON REMOVAL & INSTALLATION

Buick, All Models — On Century & Regal models, pull off cap, remove three Phillips head screws and take off bushing spacer, receiver cup, and Belleville spring. On all other models, remove screws from underside of steering wheel that secure horn actuator, and partially lift off bar. Pull lead connector from cancelling cam and then completely lift off actuator. To install, reverse removal procedure.

Cadillac All Models — Remove three screws from back of steering wheel spoke and lift off pad assembly. Remove horn contact wire from plastic tower by pushing in on wire and turning counterclockwise. Wire will then spring out of tower. To install, reverse removal procedure.

Chevrolet All Models — Disconnect battery ground. Remove steering wheel shroud screws on underside of wheel. Lift shroud and horn contact lead assembly from steering wheel.

On Corvettes and models with cushioned rim type sport wheels, simply pry off horn button cap.

Oldsmobile, All Models — Disconnect battery ground. On standard models remove screws from back of steering wheel and lift off shroud and horn contact assembly. On sport models simply pry off horn button cap.

STEERING WHEEL REMOVAL & INSTALLATION

Buick, All Models — Remove cap or shroud as outlined above. Loosen steering wheel nut several turns. Using a suitable puller (J-3274) remove wheel. **CAUTION** — Do not hit end of puller or strike underside of wheel to jar it loose. To install reverse removal procedure. Tighten wheel nut to 35 Ft. Lbs.

Cadillac, All Models — Remove steering wheel shroud as outlined above. Remove horn contact wire. On tilt and telescope columns; remove screws securing telescope locking lever to flange and screw assembly. Unscrew flange and screw assembly from steering shaft and remove. Remove locking lever assembly. Scribe alignment marks on steering wheel hub and steering shaft for alignment. Loosen wheel nut several turns. Using a suitable puller (J-1858-03) remove wheel. **CAUTION** — Do not hit end of puller or strike underside of wheel. To install reverse removal procedure. Tighten wheel nut to 30 Ft. Lbs.

Chevrolet, All Models — Remove steering wheel shroud or cap as outlined above. Remove steering wheel nut. Using a suitable puller (J-2927) remove steering wheel. **CAUTION** — Do not hit end of puller or strike on underside of wheel. On models with tilt and telescope columns it will be necessary to remove center star screw, lock lever, and spacer prior to removal of wheel. To install, reverse removal procedure. Tighten wheel nut to 30 Ft. Lbs.

Oldsmobile, All Models — Remove steering wheel shroud or cap as outlined above. Remove steering wheel nut, and remove steering wheel using a suitable puller (BT-61-9). **CAUTION** — Do not hit end of puller or strike underside of wheel. On models with tilt telescope columns it will be necessary to remove locking lever and plate before removing wheel. To install, reverse removal procedure. Tighten wheel nut to 35 Ft. Lbs.

Pontiac, All Models — Remove steering wheel shroud or cap as outlined above. Remove steering wheel nut, and remove steering wheel using a suitable puller (J-3044-1). **CAUTION** — Do not hit end of puller or strike underside of wheel. To install, reverse removal procedure. Tighten wheel nut to 30 Ft. Lbs.

DIRECTIONAL SIGNAL SWITCH REMOVAL & INSTALLATION

General Motors, All Models — Remove steering wheel (see above). Remove three lock plate cover screws and remove cover. **NOTE** — Some models have plastic retainers on screws and it is not necessary to completely remove these screws. Using a suitable lock plate depressor (J-23131) and steering wheel nut, depress lock plate. With lock plate depressed, pry round wire snap ring out of shaft groove and discard. **NOTE** — Use a new snap ring upon reassembly. Remove lock plate. Slide upper bearing preload spring, and turn signal cancelling cam off steering shaft. Remove upper thrust washer. Remove turn signal lever. Push hazard warning switch in and unscrew knob. Remove turn signal switch mounting screws. Wrap a piece of tape around upper part of wires to prevent snagging when removing switch. Pull switch straight up to remove. To install, reverse removal procedure.