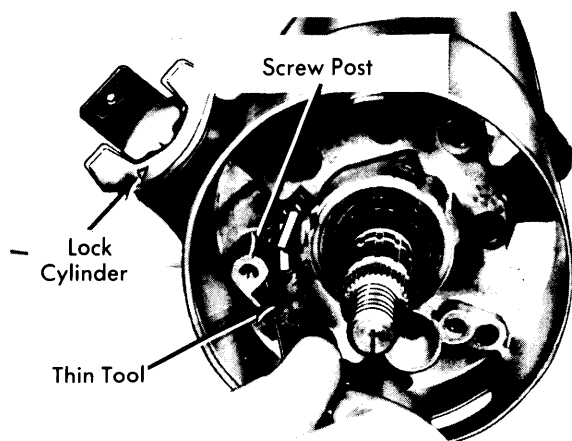


INTERNATIONAL HARVESTER (Cont.)

retaining screws, then remove dial, illumination bulb shield, and bulb from housing cover. Unscrew and remove tilt release lever. Assemble suitable remover tool (SE-2407) inside directional signal switch housing cover. Push in until tangs lock inside cover flange. Turn tool center screw clockwise to pull cover from housing.

3) Remove the three turn signal switch mounting screws. Carefully remove switch assembly from column while guiding wiring harness through opening in shift lever housing. To install, reverse removal procedure.



REMOVING LOCK CYLINDER

STEERING COLUMN LOCK

All Models – Remove horn button, steering wheel, and directional signal indicator switch. Insert thin tool, small screwdriver, or knife blade into slot next to directional signal indicator switch retaining screw post and depress retainer at bottom of slot. Remove switch. To install, place cylinder in "Lock" position and press into hole. Cylinder will snap into place.

IGNITION SWITCH

NOTE – To remove ignition switch, steering column must be removed from vehicle. See *Steering Columns* in this Section.

All Models (Exc. W/Tilt Wheel) – Remove horn button or pad, steering wheel, directional signal indicator switch, and lock cylinder. Pull up on lock cylinder-to-ignition switch connecting rod until a definite stop is reached. Move rod down two detents (one detent on Scout II) which is the "OFF UNLOCKED" position ("LOCK" position on Scout II). Remove two retaining screws, then remove switch. To install, reverse removal procedure.

All Models W/Tilt Wheel – Remove horn button or pad, steering wheel, directional signal indicator switch, and lock cylinder. Remove three housing cover screws and remove housing cover. Reinstall tilt release lever and place column in full tilt, "UP" position. Remove tilt spring retainer using screwdriver that just fits into slot opening. Insert screwdriver in slot, press in approximately $\frac{3}{16}$ ", and turn $\frac{1}{8}$ turn counterclockwise until ears align with grooves in housing. Remove spring and guide.

2) With ignition switch in "ACC" position, remove two ignition switch mounting screws and ignition switch. Remove two neutral start switch screws and neutral start switch. To install, reverse removal procedure.

JEEP

"J" Models
"CJ" Models
Wagoneer
Cherokee

REMOVAL & INSTALLATION

HORN BUTTON & STEERING WHEEL

"CJ" Models – Disconnect negative battery cable. Place front wheels in straight-ahead position. Pull horn button from steering wheel and remove steering wheel nut and horn button contact cup. Scribe a mark on steering wheel and steering shaft to aid reassembly. Release turn signal assembly from steering post and install suitable wheel puller (J-25163). Remove steering wheel. To install, reverse removal procedure.

All Models (Exc. "CJ" Models) – Disconnect negative battery cable and place front wheels in straight-ahead position. Remove steering wheel spoke horn cover attaching screws from underside of steering wheel spoke, then remove cover. On sport style wheels, remove button, nut, washer, button retaining ring, and horn contact ring. Disconnect horn wire from switch in steering wheel cavity. Remove steering wheel nut and connector. Scribe a mark on steering wheel and steering shaft for reassembly reference. Install suitable wheel puller (J-25115) and remove wheel. To install, reverse removal procedure.

DIRECTIONAL SIGNAL SWITCH & HAZARD FLASHER

All Models – 1) Disconnect negative battery cable. Release horn contact trim cover by loosening attaching screws at underside of steering wheel and remove horn button by lifting up. If equipped with sport style steering wheel, remove button, nut, washer, retaining ring and horn contact ring. Remove steering wheel nut. Note alignment of steering wheel-to-steering shaft index marks for correct assembly. Remove steering wheel using suitable puller (J-25115). Loosen anti-theft cover retaining screws, lift cover from column, then remove signal switch wire protector.

2) Use suitable lock plate compressor tool (J-23653) to depress lock plate. With lock plate depressed, remove round wire snap ring from steering shaft groove. *CAUTION* – Lock plate is under strong spring pressure. Remove lock plate compressor tool, snap ring, lock plate, directional signal canceling cam, upper bearing preload spring, and thrust washer from steering shaft. *NOTE* – If steering column was removed from vehicle, remove steering shaft at this time; if not, leave shaft in place.

3) Place directional signal actuating lever in right turn position, then remove lever. Depress hazard warning light switch button, located on right side of column adjacent to key lock, then remove button by turning it in a counterclockwise direction. Remove the three directional switch retaining screws and lift switch out of position.

JEEP (Cont.)

4) To remove wiring, first place shift lever in "PARK" and remove shift lever pivot pin with punch, then remove lever (automatic transmission only). Unhook directional signal wire harness connector from mounting bracket on lower right side of column, below instrument panel. Unhook plastic locking tab and disconnect turn signal harness from instrument panel harness. Use a stiff wire (paper clip) to depress locking tab that retains shift quadrant light wire in connector. Remove plastic harness protector from column jacket.

5) Wrap a piece of tape around upper harness connector to prevent snagging, and remove harness. Lift directional signal switch and harness from steering column. To install, reverse removal procedure.

STEERING COLUMN LOCK

All Models – Remove horn button, steering wheel, and directional signal switch. With key in "ON" position, remove key warning buzzer contacts using a wire hood or needle nose pliers. **CAUTION** – If steering column is in vehicle, do not attempt to remove switch separately; clip might fall down into column assembly. Place lock in "LOCK" position. Depress lock cylinder retaining tab, and remove lock cylinder. Tab is accessible through vertical slot next to screw post. To install, reverse removal procedure.

IGNITION SWITCH

All Models (Exc. W/Tilt Wheel) – Remove horn button, steering wheel, directional signal switch, and lock cylinder. Remove ignition switch from lower column. To install, reverse removal procedure.

All Models W/Tilt Wheel – 1) NOTE – Removal of steering column is recommended by manufacturer for following procedure. See See *Steering Columns* in this section for removal procedure. Remove horn button, steering wheel, directional signal switch, and lock cylinder. Remove shift quadrant, if present, by removing spring clip with long-nosed pliers. Remove shift quadrant mounting bracket and light socket, if equipped. Unscrew tilt release handle. Remove three upper cover retaining screws. Gently tap upper cover from column and remove lock sector tension spring retaining screw, then remove tension spring.

2) Remove Tru-Arc snap ring from lock sector shaft, then remove sector, shaft, and lock pin. Install tilt release handle and place upper housing in full up position. Insert screwdriver into slot in tilt spring retainer. Depress retainer approximately $\frac{3}{16}$ ", rotate $\frac{1}{8}$ turn counterclockwise and remove retainer and spring. **NOTE** – Spring is highly compressed; use caution when removing. Place upper housing back into straight position. Remove two pivot pins using a suitable pivot pin removal tool (J21854-1). Lift tilt release handle to disengage lock shoes and remove bearing housing assembly. Remove tilt release lever.

3) If lock shoes, release lever, or springs are to be serviced, remove release lever pin and lock shoe pin with a punch. Hold lock shoe springs in compression to relieve load on pins. Remove steering shaft from top of column. Flexible joint may be disassembled by folding shaft at joint to 90°. Remove ignition switch. To install, reverse removal procedure.