

## 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.

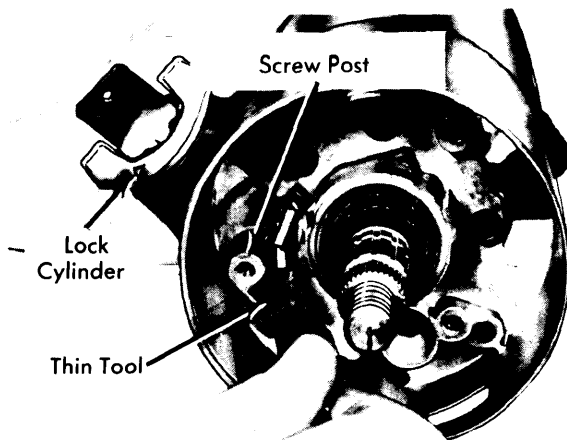


Fig. 14 Depressing Tab for Lock Cylinder Removal

### 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. Position front wheels in straight-ahead position. Remove rubber boot and horn button by rotating button until lock tabs line up with notches in contact cup, then pull up and remove. Remove steering wheel nut and washer. **NOTE** — If equipped with sport wheel, remove button, nut and washer, button retaining ring, and horn contact ring. Remove contact cup retainer, contact cup, and contact plate. Remove contact pin and bushing from steering wheel. Scribe a mark on steering wheel and steering shaft to aid in reassembly. Remove steering wheel using a wheel puller (J-21232). To install, reverse removal procedure while ensuring bushing is fully seated.

**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. Remove horn contact trim cover by loosening bottom attaching screws. Disconnect horn wire from switch in steering wheel cavity by pulling quick disconnect connector. Remove steering wheel nut and note alignment of steering wheel to steering shaft index marks for reinstallation.

2) Remove steering wheel using a suitable puller (J-21232-01). Loosen anti-theft cover retaining screws and lift cover from column. **NOTE** — Screws do not need to be completely removed as they are held in the cover by plastic retainers. Use a suitable lock plate compressor tool (J-23653) to depress lock plate and pry small round wire snap ring from steering shaft groove.

3) Remove compressor tool, snap ring, lock plate, directional signal canceling cam, upper bearing preload spring and thrust washer from steering shaft. Place directional signal ac-

## JEEP (Cont.)

tuating lever in right turn position and remove lever. Depress hazard warning light switch and remove button by turning in a counterclockwise direction.

4) Remove directional signal wire harness connector block from mounting bracket on right side of lower column. On vehicles equipped with automatic transmission, use a stiff wire to depress lock tab retaining shift quadrant light wire in connector block. Remove directional signal switch retaining screws and pull signal switch and wire harness from column.

5) To install, guide wire harness into position and align signal switch assembly. *NOTE* — *Actuating lever pivot must be correctly aligned and seated in upper housing pivot boss before retaining screws are installed.* Install retaining screws to switch assembly. Install lever and check for correct operation. Position thrust washer, spring and canceling cam on upper end of steering shaft.

6) Align steering shaft and lock plate splines, then install lock plate while ensuring that canceling cam shaft protrudes through dogleg opening in lock plate. Install snap ring and anti-theft cover. Install hazard warning light button, steering wheel (aligning index marks) and steering wheel nut. Connect horn wire and battery cable. Install horn contact trim cover.

### STEERING COLUMN LOCK

**All Models** — Remove horn button, steering wheel and directional signal switch as previously described. Position key in "ON" position, then depress key cylinder retaining tab and remove lock cylinder from housing. The retaining tab is accessible through slot adjacent to turn signal switch mounting boss. To install, position lock cylinder into housing until retaining tab snaps into position and secures lock cylinder to housing. Reverse removal procedure for installation of remaining components.

### IGNITION SWITCH

**All Models** — 1) Remove horn button, steering wheel and directional signal switch as previously described. Position key in "OFF-UNLOCK" position and remove two switch mounting screws. Disconnect switch from remote rod, remove harness connector and remove switch from vehicle.

2) To install, position ignition switch next to column and move slider to extreme left position (toward steering wheel) on models with standard column and move slider to extreme right position (away from steering wheel) on models with tilt column.

3) Position actuator rod in slider hole and install switch to column. On tilt columns, move switch down column (away from steering wheel). On all models, install attaching screws taking care not to allow detent position to change. Install remaining components in reverse of removal procedure.