

INTERNATIONAL HARVESTER

All Models (1965-74)

NOTE — Information on models not covered was not available from manufacturer at time of publication.

REMOVAL & INSTALLATION

NOTE — Disconnect battery before servicing any electrical components.

NOTE — Scribe mark on steering wheel and shaft to aid reassembly.

HORN BUTTON & STEERING WHEEL

1966-70 Models 1000-1300 — Remove horn button, hazard warning switch knob, and steering wheel retaining nut. Using a suitable puller, remove steering wheel from steering shaft. To install, reverse removal procedure.

1971-74 Models 1010-1310, 100 & 200 — Remove horn button, spring, and steering wheel retaining nut. Using a suitable puller (SE-1821 with tilt wheel and automatic transmission), remove steering wheel from steering shaft. To install, reverse removal procedure.

Scout II — Rotate horn button counterclockwise and remove. Disconnect horn wire. Remove retaining screws and remove horn contact ring. Remove nut and washer securing steering wheel to shaft, and using suitable wheel puller (SE-1820), remove steering wheel. To install, reverse removal procedure.

Motor Home Chassis — Remove horn pad and pad mounting plate. Remove steering wheel retaining nut and washer. Using a suitable wheel puller, remove steering wheel from steering shaft. To install, reverse removal procedure.

DIRECTIONAL SIGNAL SWITCH

1966-70 Models 1000-1300 — 1) Remove horn button, steering wheel, tension spring, horn contact spring, and signal switch cancel cam assembly from column. Remove shift lever retaining pin and shift lever from gear shift socket. Remove screw securing signal switch lever to switch assembly. Remove signal switch wiring harness retaining clips from side of column.

2) Remove upper bearing "C" washer retainer, thrust washer and spring washer from steering shaft. Loosen signal switch retaining screws approximately six turns each. Apply a downward pressure to signal switch cover and rotate assembly counterclockwise until lock plate is released from jacket tube. Lift signal switch, upper bearing, cover and lock plate off jacket tube as an assembly.

3) Lift gear shift socket off jacket tube, and pull signal switch wiring harness out of socket. Remove the three signal switch retaining screws, and separate signal switch assembly, upper bearing assembly, cover, springs, and lock plate. *NOTE — Do not disassemble upper bearing assembly; it is serviced as a unit only.* To reassemble, reverse disassembly procedure.

1971-74 Models 1010-1310, 100 & 200 (Exc. W/Tilt Wheel) — 1) Remove horn button, steering wheel, and the three cover screws. Depress lock plate downward as far as possible using suitable tool (SE-2500) installed on column shaft and tightened down with steering wheel retaining nut. Pry retaining ring out of column shaft groove, and remove tool, retaining ring and lock plate. *CAUTION — If steering column is removed from vehicle, shaft can slide out of column when retaining ring is removed.*

2) Slide upper bearing preload spring and turn signal canceling cam off upper steering shaft. Slide thrust washer off upper steering shaft. Remove turn signal lever screw and lever. Push hazard warning switch in and unscrew knob. Remove the three signal switch mounting screws. Remove the four mounting bracket screws, then remove bracket from column jacket. Pull connector out of bracket on jacket. Remove protector from jacket and strip wires from it. Pull signal switch straight up with wire protector. To reassemble, reverse removal procedure.

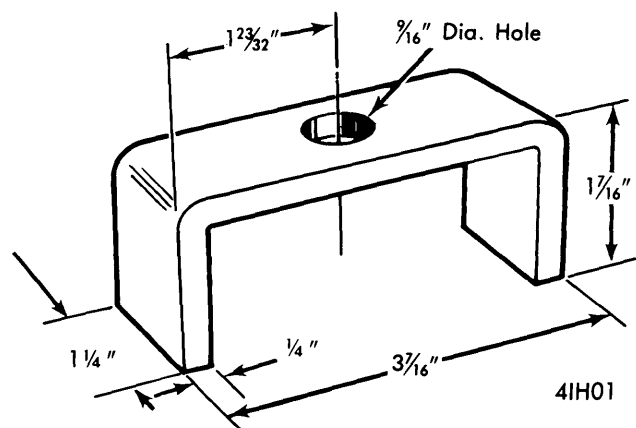
1971-74 Models 1010-1310, 100 & 200 (W/Tilt Wheel)

— 1) Remove horn button and steering wheel. Remove signal switch wire protector from inside steering column. *CAUTION — Do not damage wires.* Wrap a piece of tape around upper connector and wires to prevent snagging when removing switch. Remove tilt release lever and signal switch lever. Push hazard warning plunger in and remove hazard warning knob. Remove upper shift lever from bowl. Remove indicator wire and neutral start switch if automatic transmission column.

2) Depress lock plate with finger and pry retaining ring out of groove with screwdriver. Remove lock plate, canceling cam, and upper bearing spring. Remove the three signal switch mounting screws and lift switch up. To install, reverse removal procedure.

Scout II — 1) Remove horn button and steering wheel. Remove horn contact spring. Use suitable tool (see illustration) to depress lock plate by installing tool and tightening down with steering wheel retainer nut. Remove lock plate snap ring with screwdriver. Remove lock plate depressor tool, snap ring and lock plate from column. *NOTE — If steering column is removed from vehicle, shaft can slide out of column when retaining ring is removed.*

2) Remove turn signal canceling cam, upper bearing preload spring and thrust washer. Remove screw securing turn signal lever to signal switch and remove lever. Push hazard warning switch in and unscrew knob. Remove three screws securing signal switch assembly. Pull connector out of bracket on jacket tube. Wrap a piece of tape around upper part of connector and wires to prevent snagging when removing switch. Pull switch straight out with wire protector. To install, reverse removal procedure.



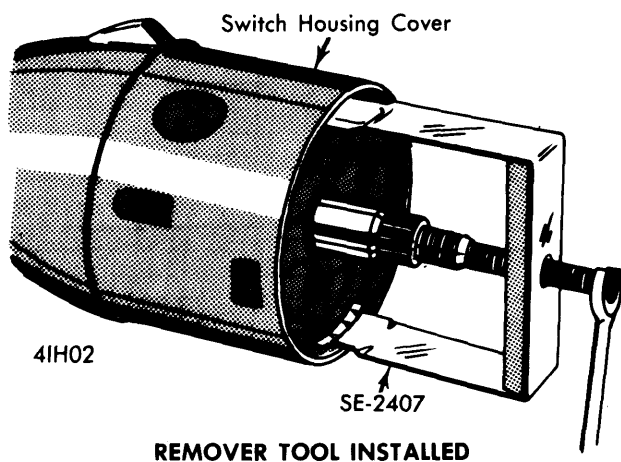
LOCK PLATE DEPRESSOR TOOL

Motor Home Chassis — 1) Remove horn pad and steering wheel. Remove horn contact spring, turn signal switch canceling cam, and jacket tube upper bearing spring. Pry wiring

INTERNATIONAL HARVESTER (Cont.)

harness cable cover out of column retaining slots. Mark location of each wire in halfmoon connector and then remove each individual wire from connector using a suitable terminal removal tool (SE-2406). Insert tool into lower end of connector and push in until tool bottoms on connector. Remove tool and pull wire from connector.

2) Remove directional signal lever retaining screw and remove lever. Push in on hazard warning light knob and then unscrew and remove knob. Remove shift selector indicator 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.

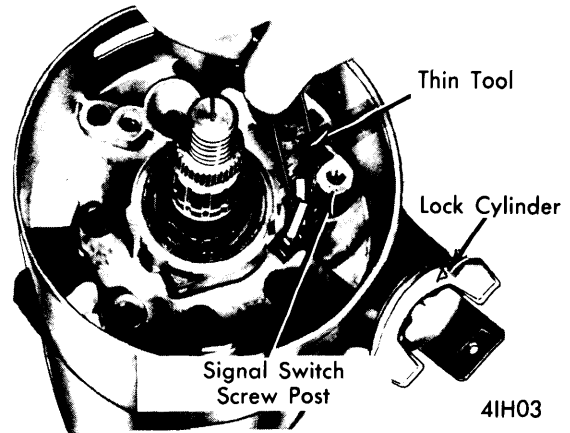


REMOVER TOOL INSTALLED

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.

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.



REMOVING LOCK CYLINDER

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.