Ignition Switch & Lock Cylinders

ALL MANUFACTURERS

All Models

DESCRIPTION

Ignition switches are typically mounted on steering columns, and are actuated by ignition key locking cylinders.

SERVICING

Chrysler Corp. vehicles, with column-mounted ignition switches and lock cylinders, require that steering wheel and turn signal switch be removed before ignition components are accessible.

On General Motors and Jeep Corp. vehicles, steering column must be removed or lowered. Steering wheel and turn signal switch must be removed before ignition components are accessible.

CAUTION: Lock plate is under strong spring pressure. Do not remove snap ring without using compressor tool. If steering shaft has American threads, use compressor tool J-23653; if shaft has metric threads use Metric Forcing Screw J-23653-4.

Ford vehicles require that steering column be lowered before servicing the ignition switch or lock cylinder.

CAUTION: Some steering columns are collapsible. Special care must be taken to avoid bumping, jolting or hammering on steering shaft and gearshift tube of these columns.

REMOVAL & INSTALLATION

LOCK CYLINDER REMOVAL

Chrysler Corp.

Place lock in "LOCK" position, and remove key. Insert thin tool (machinist's scale or knife blade) into slot next to switch mounting screw boss (right hand slot). Push in to release spring-loaded lock retainer. Remove lock cylinder from housing.

Ford

1) On non-tilt models, remove steering wheel and trim pad. Place gear selector in "P" on automatic transmission models (any position on manual transmission models). Insert key, and turn cylinder to "ON" position.

2) Insert a 1/8" (3.2 mm) diameter pin in hole on outside of steering column casting near hazard warning button on tilt models. Insert pin in hole near base of lock cylinder on non-tilt models. Depress pin, while pulling out on lock cylinder to remove.

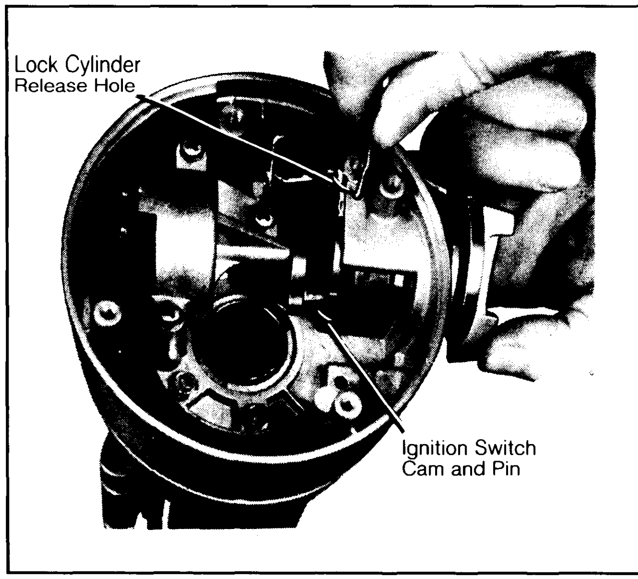
General Motors

Place lock in "RUN" position. Remove lock plate, turn signal switch and buzzer switch. Remove lock retaining screws and lock cylinder.

Jeep

Place lock in "ON" position (manual transmission) or in "OFF-LOCK" position (automatic transmission). Insert thin tool (machinist's scale or knife blade) into lock cylinder slot. Push in to release spring-loaded lock retainer. Remove lock cylinder from housing.

Fig. I: Typical Column Type Ignition Switch Lock Cylinder Removal



On most models, push in to release lock retainer.

LOCK CYLINDER INSTALLATION

Chrysler Corp.

1) Place lock in "LOCK" position and remove key. Insert cylinder into housing. Press cylinder in far enough to contact switch acutator. Press inward, and move switch actuator rod up and down to align parts.

2) When aligned, cylinder will move inward and a spring loaded retainer will snap into place locking cylinder into housing.

Ford

Turn lock cylinder to "ON" position. Depress retaining pin and insert cylinder into housing. Ensure that cylinder is fully seated and aligned with interlocking washer. Turn key, and check operation of lock cylinder.

General Motors

Place lock in housing. Turn key to "RUN" position while holding cylinder. Align cylinder with keyway in housing. Push lock in and install retaining screw.

Jeep

1) Insert key in lock. Hold cylinder sleeve, and turn key clockwise until key stops.

2) Align lock cylinder retaining tab with keyway in housing, and insert cylinder into column.

3) Push cylinder in until it contacts lock sector. Rotate cylinder to engage lock sector, and push in until cylinder retaining tab engages in housing groove.

IGNITION SWITCH REMOVAL

Chrysler Corp.

Remove lock cylinder. With ignition switch in "ACC" position, remove retaining screws and switch.

Ford

Disconnect negative battery cable. Remove steering column shroud, and lower column. Disconnect switch wiring at multiple plug. Remove nuts securing

ALL MANUFACTURERS (Cont.)

switch to steering column. Lift switch vertically to disengage actuator, and remove switch.

General Motors "G" Series

1) Disconnect battery ground cable. Remove lock cylinder by positioning switch in "ACC" position. Insert stiff wire in small hole in cylinder face. Push in on wire to depress plunger and continue to turn key counterclockwise until lock cylinder can be removed.

2) Remove metalic ignition switch nut. Remove theft-resistant connector from switch.

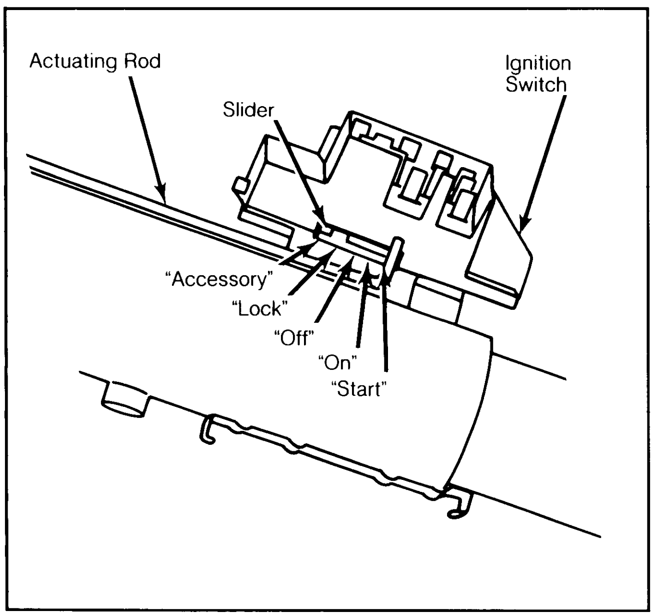
General Motors "S" Series

With steering wheel removed, turn lock to "RUN" position. Remove lock cylinder retaining screw and remove lock.

All Other General Motors Models

Lower steering column, and support column to avoid causing damage. Remove lock cylinder. Pull switch-actuating rod up until there is a definite stop; then move rod down one detent to place lock in "LOCK" position. Remove 2 switch screws and switch assembly from vehicle.

Fig. 2: Rod-Actuated Ignition Switch



This type switch is common to all models.

Jeep

Place lock in "OFF-UNLOCK" position, and remove 2 mounting screws. Disconnect switch from remote rod and harness connector. Remove switch.

IGNITION SWITCH INSTALLATION

Chrysler Corp.

Install ignition switch to column, ensuring that key in housing is indexed with slot in steering jacket. Install retaining screws and tighten, making sure not to change switch position.

Ford

With lock cylinder and switch in "LOCK" position, engage actuator rod in switch. Position switch on column and install retaining nuts, but do not tighten. Move switch up and down along column to locate mid-position of rod lash, and then tighten retaining nuts.

General Motors

Place lock and switch in "LOCK" position. Install actuating rod into switch, and install switch using mounting screws. Tighten, making sure not to change switch position.

Jeep

Move switch slider to "ACC" position. Move switch slider back two clicks to "OFF-UNLOCK" position. Engage remote rod in switch slider, and position switch on column. Do not move slider. Install and tighten screws.