PART 33-71 Ignition Switch

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TESTING

IGNITION SWITCH

To test the continuity of the ignition switch, remove the switch from the vehicle. Insert the ignition key in the switch. **Do not use anything but the key to actuate the switch to the various positions because of possible damage to the switch.** Using a self-powered test light or ohmmeter, check the continuity through the switch as illustrated in Fig. 1. If the switch does not meet all of the continuity tests, the switch should be replaced.

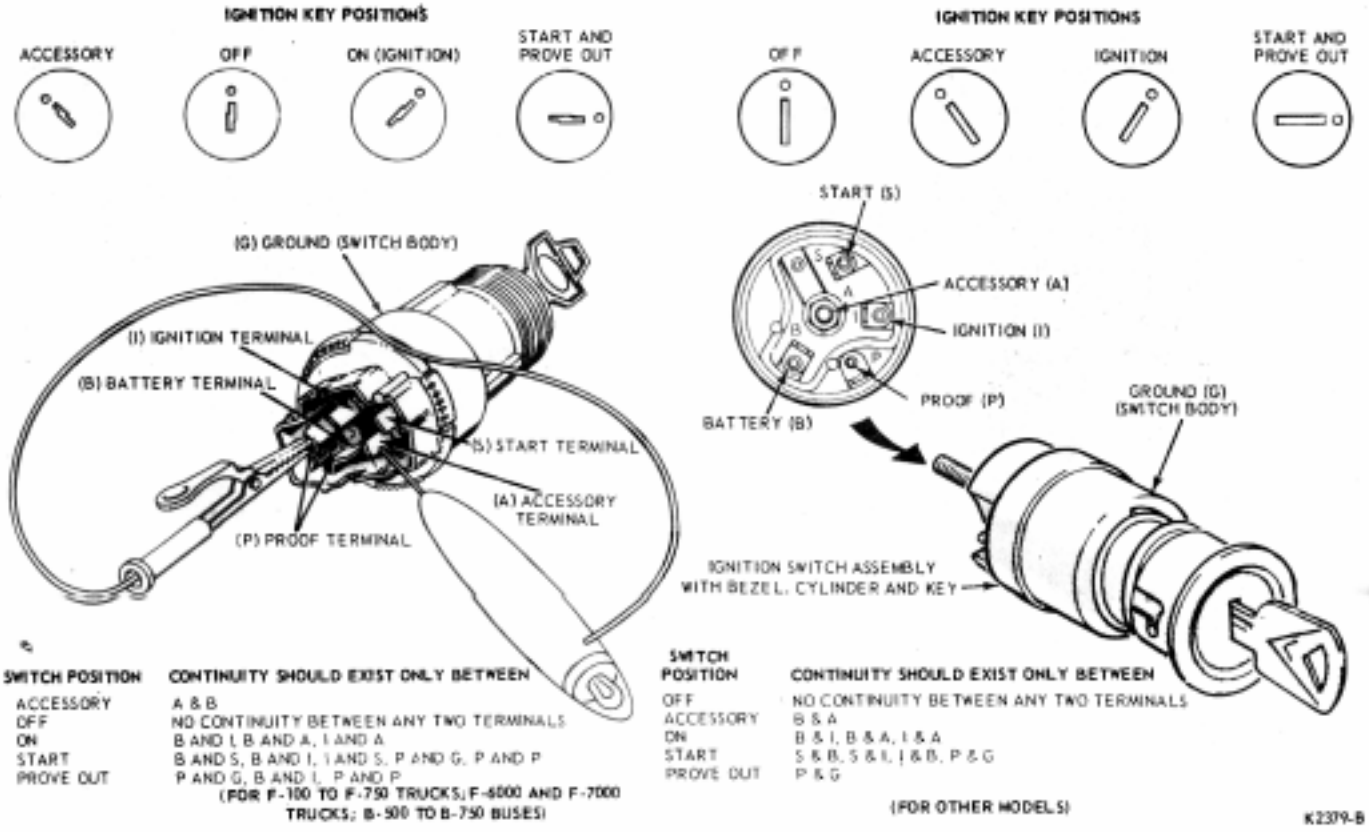

FIG. 1 Ignition Switch Continuity Test

REMOVAL AND INSTALLATION

IGNITION SWITCH

Bronco, P-350-500

Removal

1. Disconnect the battery ground cable from the battery.

2. Turn the ignition key to the accessory position. Slightly depress the release pin in the face of the lock cylinder (Fig. 2), turn the key counterclockwise, and pull the key and lock cylinder out of the switch assembly. If only the lock cylinder is to be replaced, proceed to step 4 under Installation.

FIG. 2 Ignition Switch Removal

3. From under the instrument panel press in on the rear of the switch 1/8 turn counterclockwise (as viewed from the terminal end). Remove the bezel and switch. On Bronco and P-Series trucks also remove the retainer and spring.

4. Remove the nut from the back of the ignition switch. Remove the accessory and gauge feed wires from the accessory terminal of the switch. Pull off the insulated plug from the rear of the switch.

Installation

1. If a new ignition switch as well as the lock cylinder is to be installed, insert a screwdriver into the lock opening of the ignition switch and turn the slot in the switch to a full counterclockwise position.
2. Connect the insulated plug with wires to the back of the ignition switch. Position the accessory and gauge wires onto the ignition switch stud and install the retaining nut.
3. Place the bezel and switch in the switch opening, press the switch toward the instrument panel, and rotate it 1/8 turn to lock it in position.
   Position the spring and retainer on the switch with open face of the retainer away from the switch. place the switch to the switch opening. Press the switch toward the instrument panel and install the bezel.
4. If a new lock cylinder is to be installed, insert the key in the cylinder and turn the key to the accessory position. Place the lock and key in the ignition switch, depress slightly and release pin (Fig. 2), and turn the key counterclockwise. Push the new lock cylinder into the switch. Turn the key to check the lock cylinder operation.
5. Connect the battery cable and check the ignition switch operation.

Econoline, F-100-350 Series and Buses

Removal

1. Disconnect the battery ground cable.
2. Insert the ignition key in the switch. Turn the key to the accessory position and insert a wire pin in the hole on the ignition switch. Slightly depress the pin while turning the key counterclockwise past the accessory position; this will release the lock cylinder from the switch assembly. Pull the lock cylinder from the switch with the key. If only the lock cylinder is to be replaced proceed to step 3 of the installation procedure.
3. Remove the bezel nut retaining the switch to the instrument panel and lower the switch.
4. Depress the tabs securing the multiple connector to the rear of the ignition switch with a modified tool 18918-A (Fig. 3). The modification of the tool consists of grinding the inside of the tool jaws to allow clearance around the rear of the switch. Pull the multiple connector from the switch and remove the switch.

FIG. 3 Ignition Switch Connector Removal

Installation

1. Depress the tabs on the multiple connector and plug the connector into the switch assembly, being sure that the tabs lock in place.
2. Position the switch to the instrument panel and install the bezel nut.
3. Insert the key in the lock cylinder and turn the key to the accessory position. Place the cylinder and key in the switch. Push the cylinder into the switch until it is fully seated, then turn the key to the lock position. Turn the key to check the operation of the lock cylinder.
4. Connect the battery ground cable to the battery and check the operation of the switch assembly.