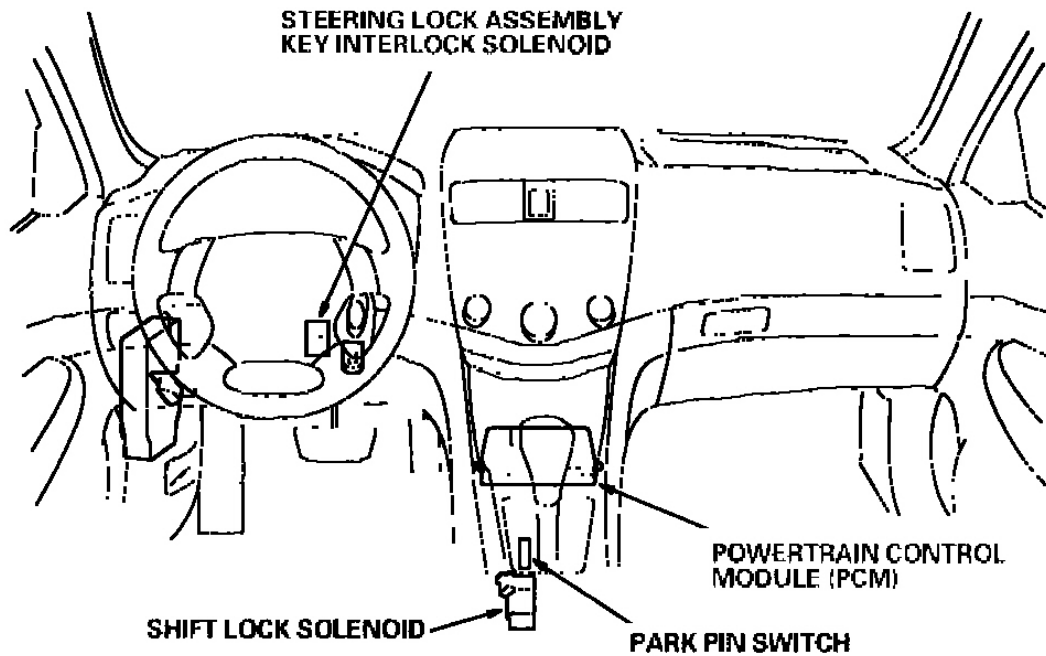


2003-04 AUTOMATIC TRANSMISSIONS

A/T Interlock System - Accord

A/T INTERLOCK SYSTEM

COMPONENT LOCATION INDEX



G001486813

Fig. 1: Locating Shift Interlock System Components

CIRCUIT DIAGRAM

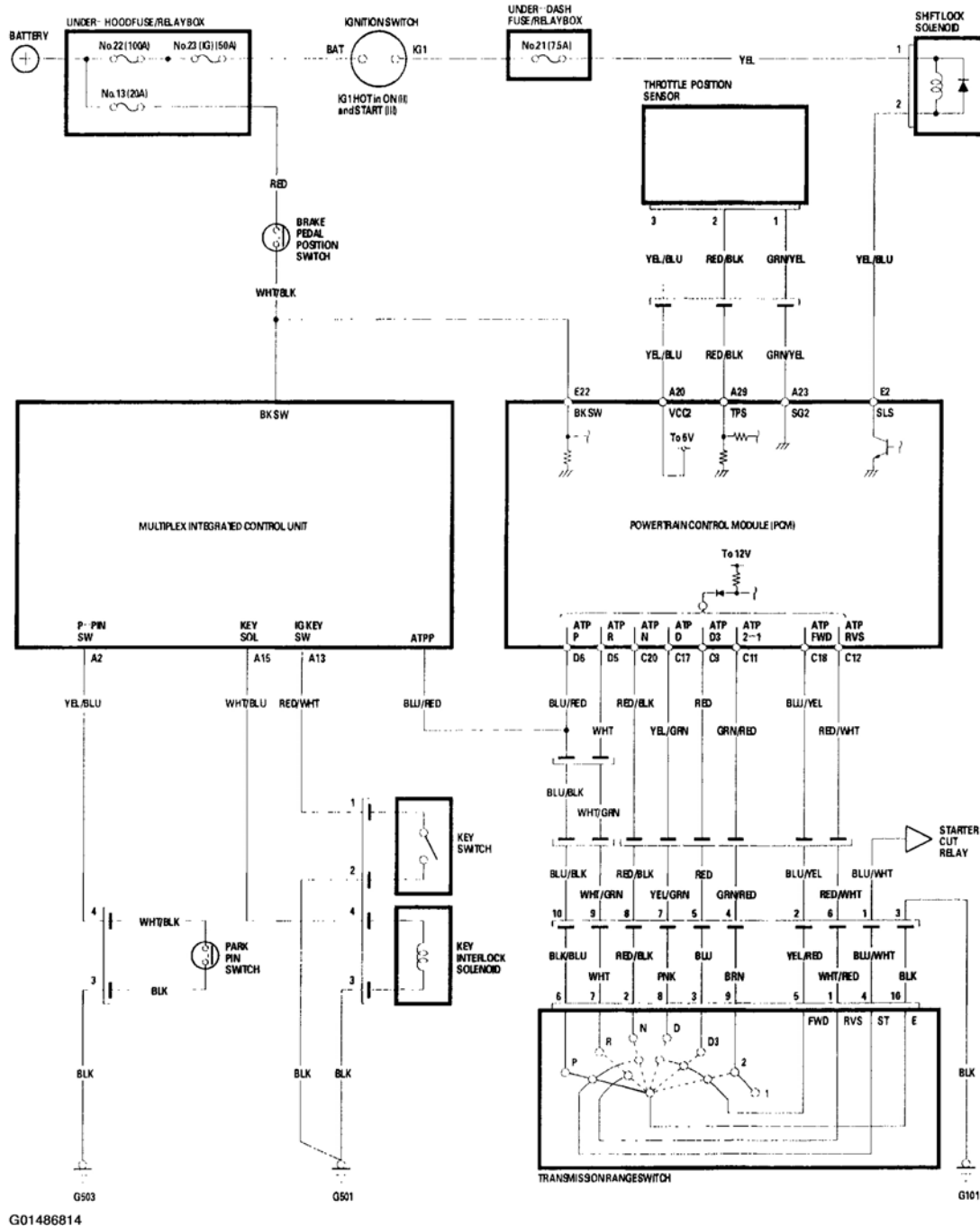


Fig. 2: A/T Interlock System Circuit Diagram

SHIFT LOCK SYSTEM CIRCUIT TROUBLESHOOTING

1. Press the brake pedal.

Are the brake lights ON?

YES -Go to step 2.

NO -Repair faulty brake light circuit.

2. Connect the HDS to the DLC. Check engine speed and throttle position in the A/T data list.

Is the engine speed at idle, and TPS about 0.5 V?

YES -Go to step 3.

NO -Repair engine speed or throttle position input.

3. Select SHIFT LOCK SOL TEST in MISC. TEST MENU, then carry out shift lock solenoid function test.

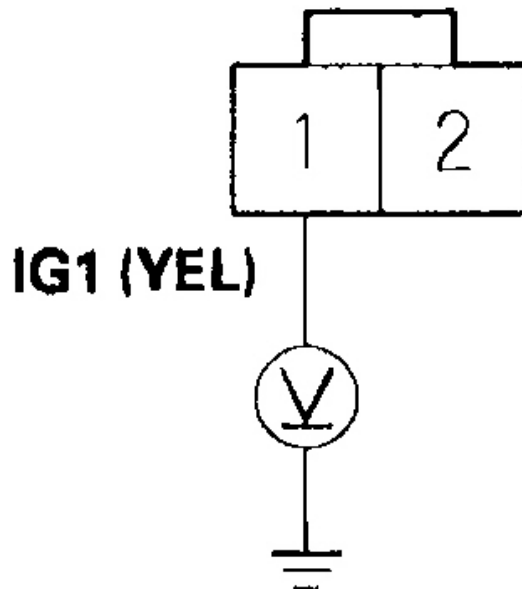
Does the shift lock solenoid work properly?

YES -System circuit is OK. Check the shift lock mechanism, if necessary.

NO -Go to step 4.

4. Remove the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).
5. Disconnect the shift lock solenoid connector.
6. Turn the ignition switch ON (II).
7. Measure the voltage between No. 1 terminal of the shift lock solenoid connector and body ground.

SHIFT LOCK SOLENOID CONNECTOR



Wire side of female terminals

G01486815

Fig. 3: Measuring Voltage Between No. 1 Terminal Of Shift Lock Solenoid Connector & Body Ground

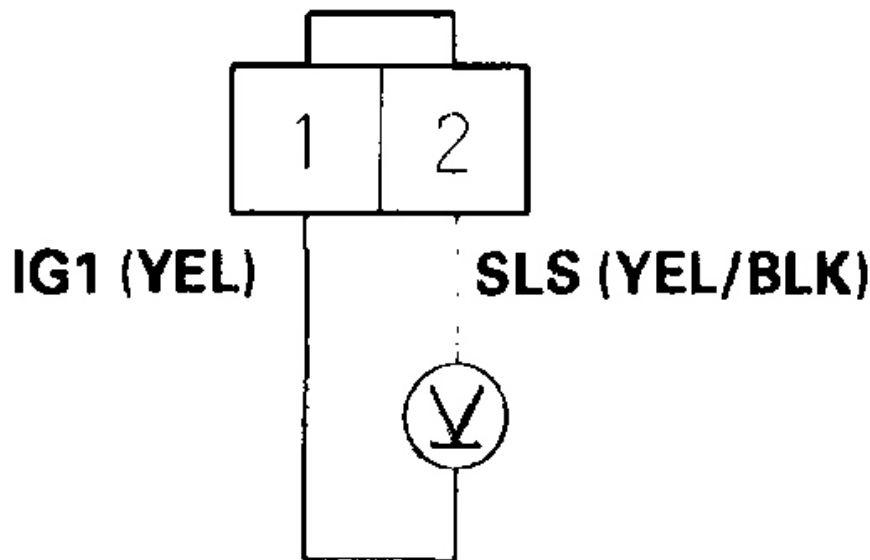
Is there battery voltage?

YES -Go to step 8.

NO -Check for blown No. 21 fuse in the under-dash fuse/relay box. If the fuse is OK, repair open in the wire between the shift lock solenoid connector and the under-dash fuse/relay box.

8. Shift the shift lever into the P position, and press the brake pedal. Do not press the accelerator.
9. Measure the voltage between shift lock solenoid connector terminals while pressing the brake pedal.

SHIFT LOCK SOLENOID CONNECTOR



Wire side of female terminals

G01486816

Fig. 4: Measuring Voltage Between Shift Lock Solenoid Connector Terminals

Is there battery voltage?

YES -Check the shift lock mechanism. If the mechanism is OK, replace the shift lock solenoid (see **Shift Lock Solenoid Replacement**).

NO -Check for poor or loose PCM connector terminal E2 at the PCM, and check for an open in the wire between PCM connector terminal E2 and shift lock solenoid connector. If the connection and wire is OK, substitute a known-good PCM and recheck.

KEY INTERLOCK SYSTEM CIRCUIT TROUBLESHOOTING

SRS components are located in this area. Review the SRS components locations , precautions and procedures in AIR BAG RESTRAINTS SYSTEMS article before performing repairs or service.

1. Turn the ignition switch to ACC (I). The shift lever must be in the P position.
2. Disconnect the steering lock assembly connector.
3. Check if the ignition key can be moved to LOCK (0) position, and remove the key from the cylinder.

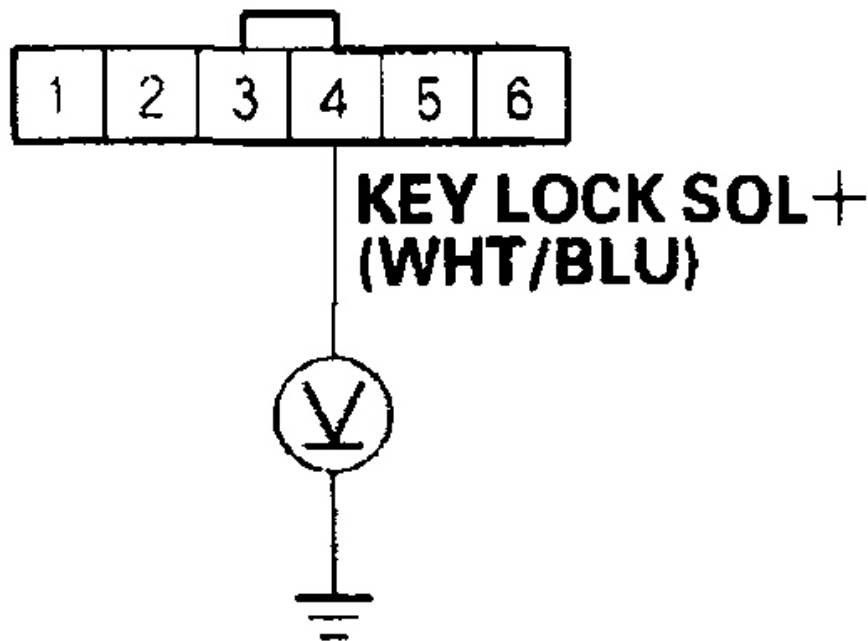
Is the ignition key able to move to the LOCK (0) position, and then removed?

YES -Go to step 4.

NO -Replace the ignition key cylinder/steering lock assembly (see **STEERING LOCK REPLACEMENT**).

4. Turn the ignition switch to ACC (I) or ON (II), and shift to the N position.
5. Check for the voltage between the No. 4 terminal of the steering lock assembly connector and body ground.

STEERING LOCK ASSEMBLY CONNECTOR



Wire side of female terminals

G01486817

Fig. 5: Checking For Voltage Between No. 4 Terminal Of Steering Lock Assembly Connector & Body Ground

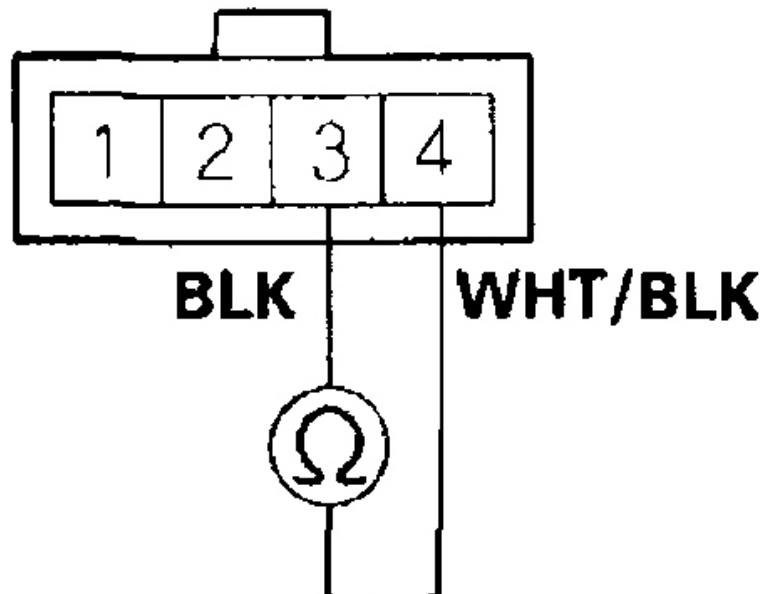
Is there battery voltage?

YES -Go to step 6.

NO -Check for an open in with WHT/BLU wire between the MICU and the steering lock assembly connector. If the wire is OK, substitute a known-good multiplex integrated control unit and recheck.

6. Turn the ignition switch to ACC (I), and shift to the P position.
7. Remove the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).
8. Disconnect the park pin switch connector.
9. Check for continuity between the No. 3 and No. 4 terminals of the park pin switch connector while pushing the button of the shift lever in, and when released.

PARK PIN SWITCH CONNECTOR



Terminal side of male terminals

G01486818

Fig. 6: Check For Continuity Between No. 3 & No. 4 Terminals Of Park Pin Switch Connector

Is there continuity when pushing the button in, and no continuity when it's released?

YES -Check for an open in the wire between the multiplex integrated control unit and the park pin switch connector. If the wire is OK, replace the multiplex integrated control unit.

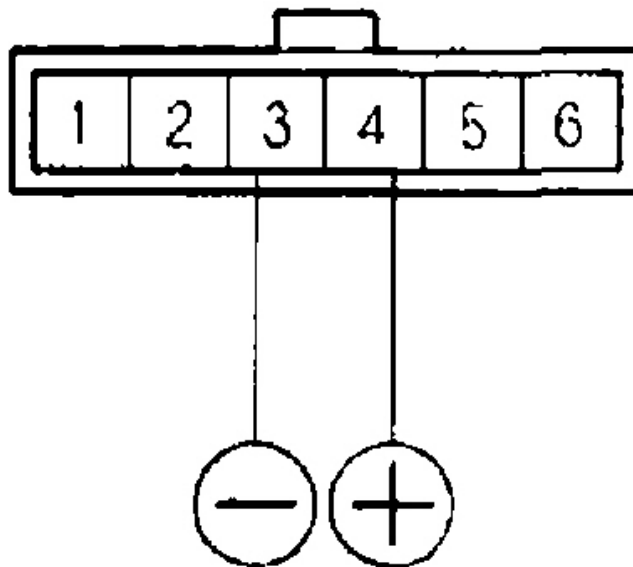
NO -Replace the park pin switch.

KEY INTERLOCK SOLENOID TEST

SRS components are located in this area. Review the SRS components locations , precautions and procedures in AIR BAG RESTRAINTS SYSTEMS article before performing repairs or service.

1. Remove the driver's dashboard lower cover and lower steering column cover.
2. Disconnect steering lock assembly connector.
3. Insert the ignition key in the key cylinder, then turn the ignition key to ACC (I).
4. Connect the battery positive terminal to steering lock assembly connector terminal No. 4, and connect the battery negative terminal to No. 3 terminal. Make sure that the ignition key cannot be turned to LOCK (0) position. Release the battery terminals, and make sure that the key can be turned to LOCK (0) position and removed from the cylinder.

STEERING LOCK ASSEMBLY CONNECTOR



Terminal side of male terminals

G01486819

Fig. 7: Connecting Battery Terminals To Steering Lock Assembly Connector Terminal

5. If the key interlock solenoid works improperly, replace the ignition key cylinder/steering lock assembly (see **STEERING LOCK REPLACEMENT**).

SHIFT LOCK SOLENOID TEST

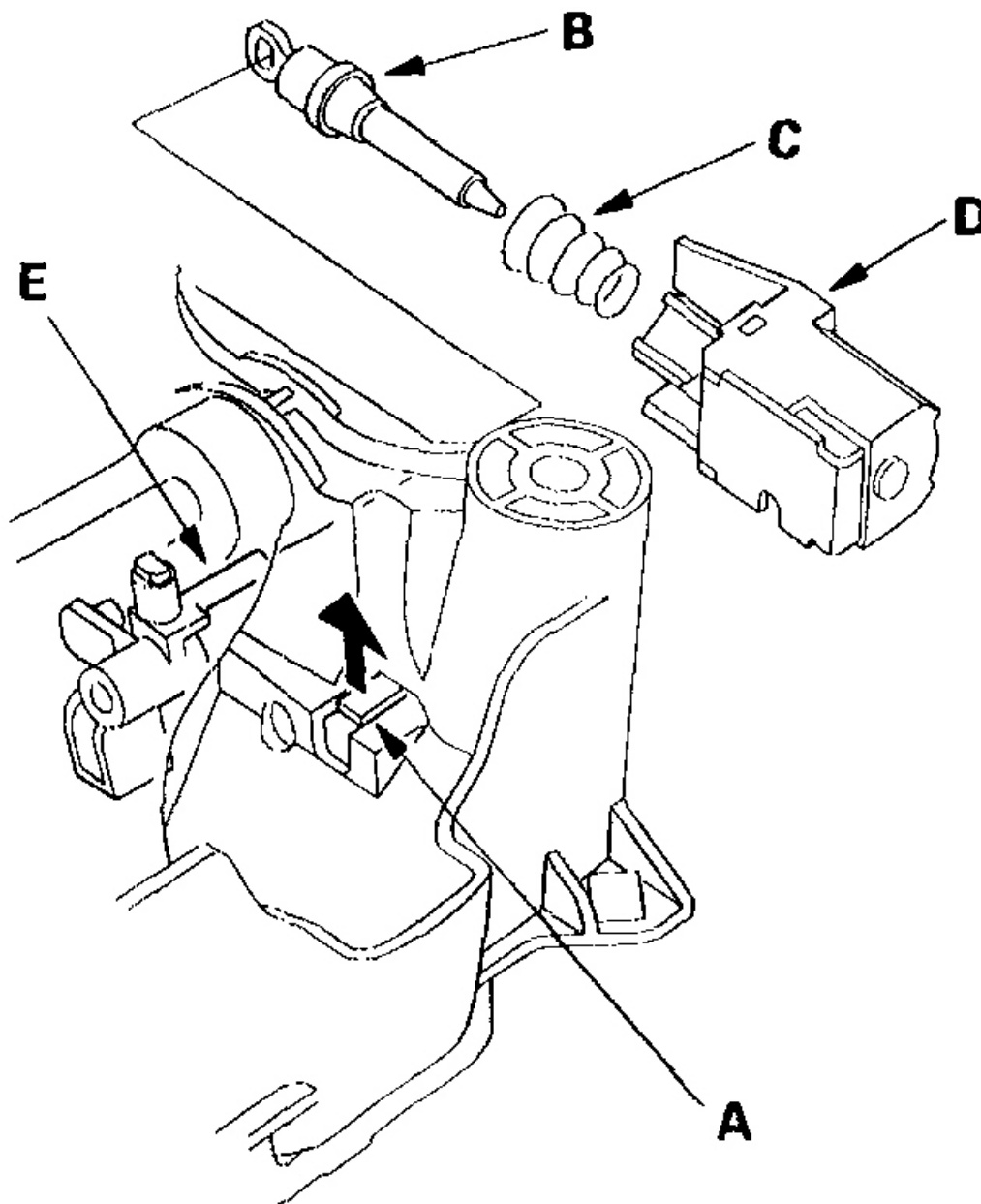
1. Connect the HDS to the DLC.

2. Select SHIFT LOCK SOL TEST in MISC. TEST MENU with the HDS.
3. Carry out shift lock solenoid function test: Check that the shift lever can be moved from the P position when SOLENOID ON. Move the shift lever back to the P position, and make sure it locks with SOLENOID OFF.
4. Check that the shift lock releases when the shift lock release is pushed, and check that it locks when the shift lock release is released.
5. If the shift lock solenoid does not work properly, perform shift lock system troubleshooting (see **Shift Lock System Circuit Troubleshooting**).

SHIFT LOCK SOLENOID REPLACEMENT

Type A Shift Lever

1. Remove the shift lever assembly (see **SHIFT LEVER REMOVAL**).
2. Release the lock tab (A) securing the shift lock solenoid at the bottom of the shift lever assembly, and remove the shift lock solenoid.



G01486820

Fig. 8: Removing Shift Lock Solenoid

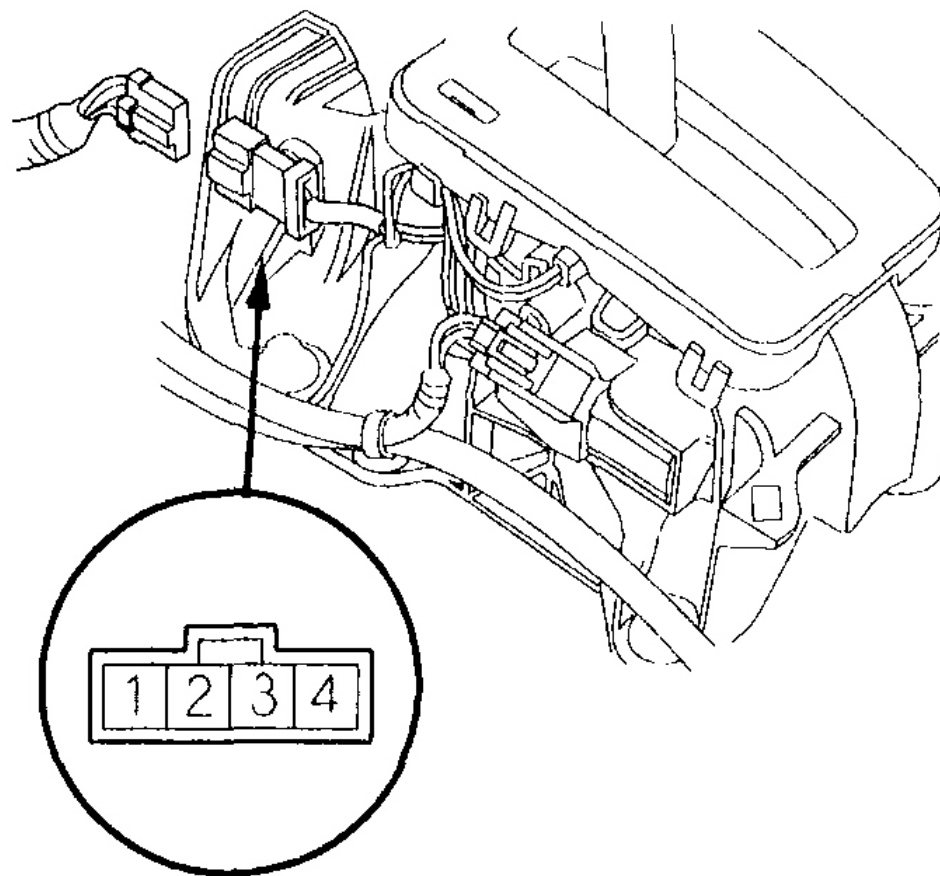
3. Install the shift lock solenoid plunger (B) and plunger spring (C) in the new shift lock solenoid (D).
4. Install the new shift lock solenoid by aligning the joint of the shift lock solenoid plunger with the tip of

7. Install the A/T gear position indicator panel light bulb socket.
8. Install the shift lock solenoid connector on the shift lever bracket base, then connect the connector.
9. Install the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).

PARK PIN SWITCH TEST

1. Remove the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).
2. Disconnect the park pin switch connector.

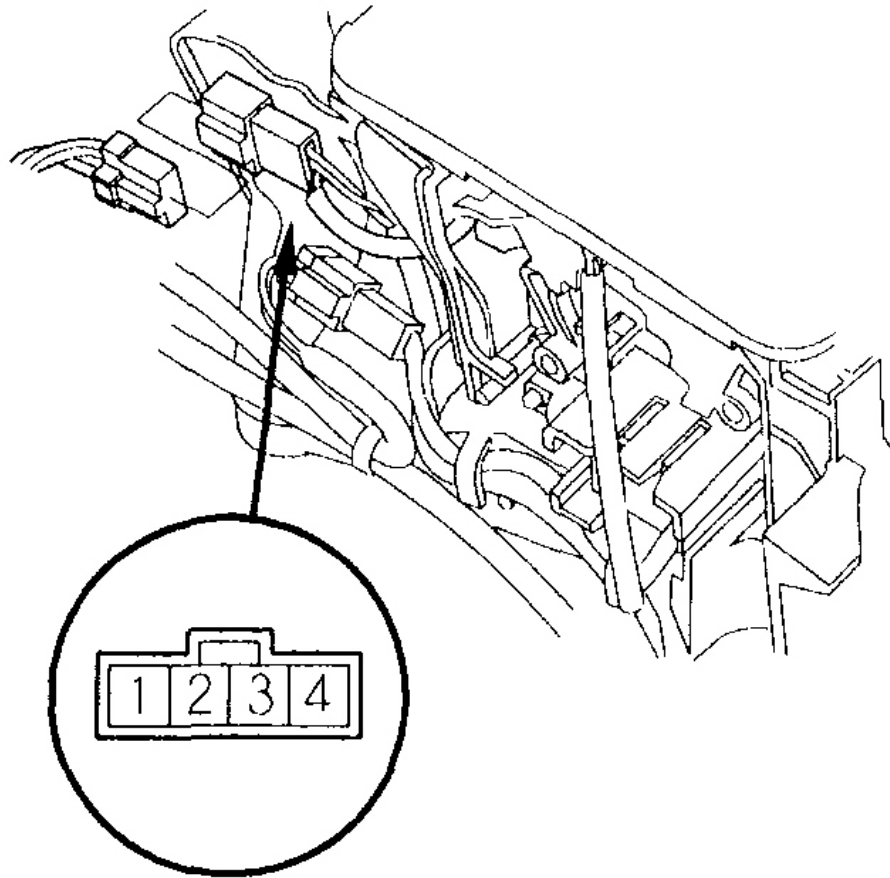
Type A Shift Lever:



Terminal side of male terminals

G01486822

Fig. 10: Disconnecting Park Pin Switch Connector (Type A Shift Lever)

Type B Shift Lever:**Terminal side of male terminals**

G01486823

Fig. 11: Disconnecting Park Pin Switch Connector (Type B Shift Lever)

3. Shift the shift lever into the P position and release the shift lever button, then check for continuity between connector terminals No. 3 and No. 4. There should be no continuity.
4. Shift out of the P position or press the shift lever button while in P position, and check for continuity between terminals No. 3 and No. 4. There should be continuity.
5. If the park pin switch is faulty, replace it (type A shift lever) or replace the shift lever bracket base (type B shift lever). The park pin switch of the type B shift lever is not available separately.

PARK PIN SWITCH REPLACEMENT

NOTE: The park pin switch replacement is applied for the type A shift lever: the type B shift lever park pin switch is not available separately.

1. Remove the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).
2. Remove the A/T gear position indicator panel (A) from the shift lever bracket base (B).

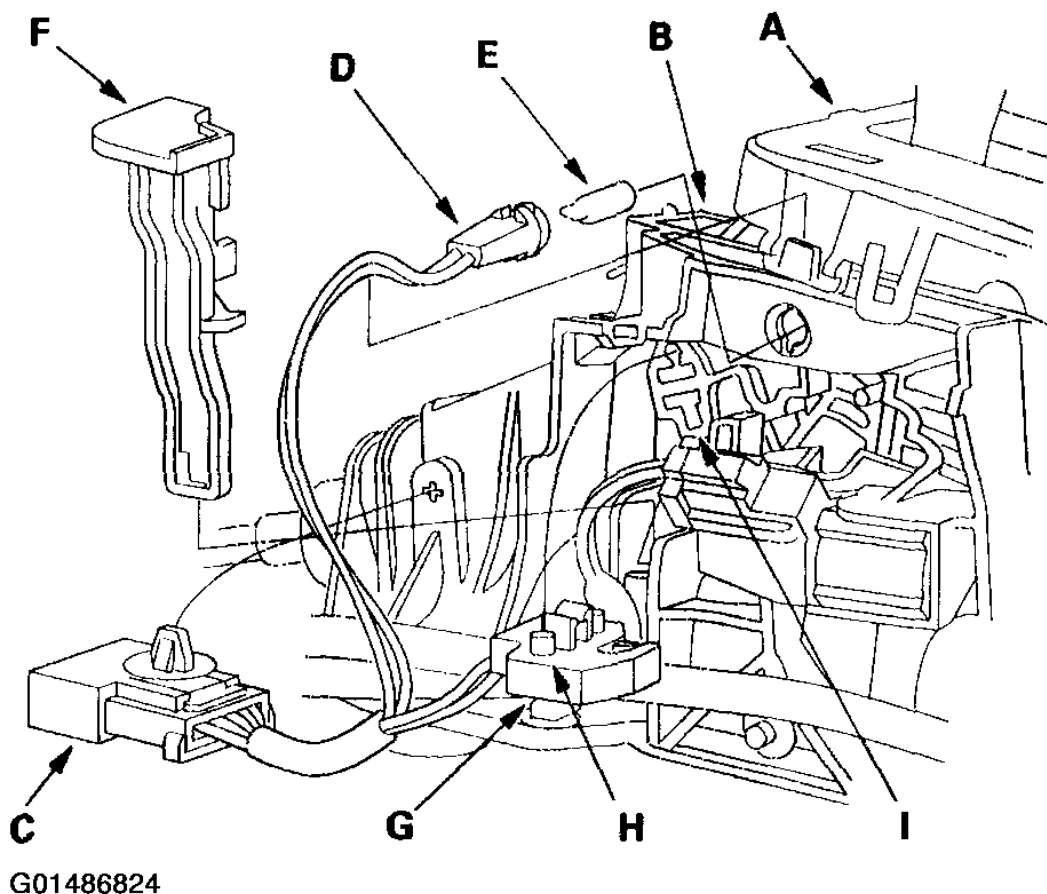


Fig. 12: Removing A/T Gear Position Indicator Panel From Shift Lever Bracket Base

3. Disconnect the park pin switch connector (C), then remove it from the bracket base.
4. Remove the A/T gear position indicator panel light bulb socket (D), then remove the bulb (E) from the socket.
5. Remove the shift lock release lever (F).
6. Remove the park pin switch, and install the new switch (G) by aligning the tabs (H) with the slots (I).
7. Install the shift lock release lever.
8. Install the bulb in the socket, then install the socket in the bracket base.
9. Install the indicator panel on the bracket base.

10. Install the park pin switch connector on the bracket base, then connect the connector.
11. Install the center console (See **CENTER CONSOLE REMOVAL/INSTALLATION**).