

SHIFT-LOCK SYSTEM INSPECTION

id051800297100

Shift-Lock System Inspection

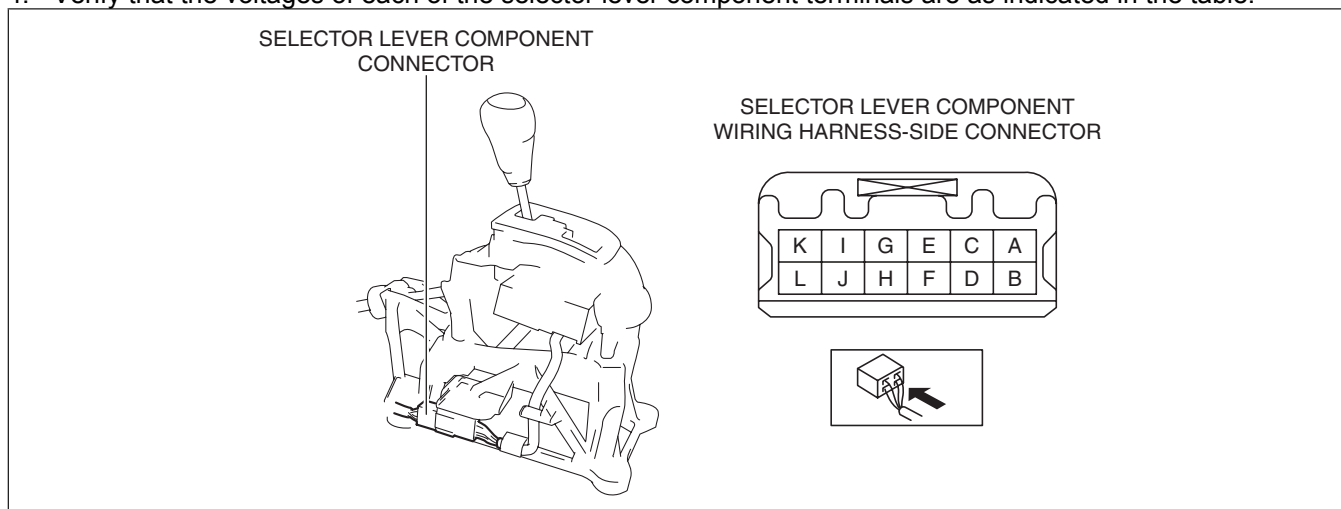
1. Switch the ignition ON (engine off).
2. Shift the selector lever to the P position.
3. Verify that the selector lever cannot be shifted from P to R position when the brake pedal is released.
 - If it can be verified, go to the next step.
 - If not as verified, inspect the following parts:
 - Shift-lock solenoid (See Shift-Lock System Inspection.)
 - Not P position switch (See NOT P POSITION SWITCH INSPECTION.)
 - Brake switch (See BRAKE SWITCH INSPECTION.)
 - Start stop unit (See START STOP UNIT INSPECTION.)
 - PCM (See PCM INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM INSPECTION [SKYACTIV-D 2.2].)
4. Verify that the selector lever can be shifted from P to R position when the brake pedal is depressed.
 - If it can be verified, go to the next step.
 - If not as verified, inspect the following parts:
 - Shift-lock solenoid (See Shift-Lock System Inspection.)
 - Not P position switch (See NOT P POSITION SWITCH INSPECTION.)
 - Brake switch (See BRAKE SWITCH INSPECTION.)
 - Start stop unit (See START STOP UNIT INSPECTION.)
 - PCM (See PCM INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM INSPECTION [SKYACTIV-D 2.2].)

Shift-Lock Solenoid Inspection

Note

- The shift-lock solenoid is built into the selector lever component.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the front console. (See FRONT CONSOLE REMOVAL/INSTALLATION.)
3. Reconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
4. Verify that the voltages of each of the selector lever component terminals are as indicated in the table.



Shift-lock solenoid specification

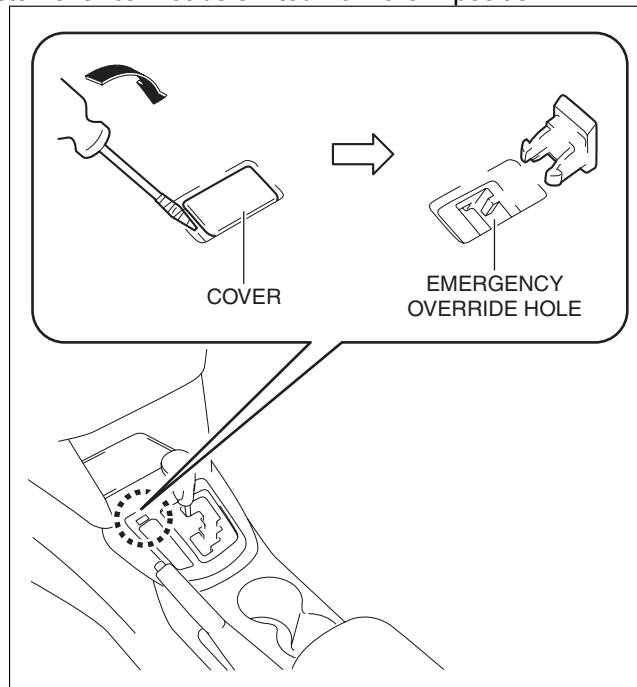
Terminal	Connected to	Test condition	Voltage (V)
A	IG1 relay	Ignition switched ON (engine on)	B+
		Except above	Below 1.0
H	Start stop unit	Under any condition	Below 1.0

- If the voltage is not as indicated in the table, repair or replace the related wiring harness.

- If the voltage can be verified as indicated in the table, replace the selector lever component. (See AUTOMATIC TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION.)

Shift-lock Override Button Inspection

1. Switch the ignition off.
2. Verify that the selector lever is in the P position.
3. Without the brake pedal depressed, verify that the selector lever cannot be shifted from the P position.
4. Remove the emergency override hole cover using a tape-wrapped flathead screwdriver.
5. Insert the flathead screwdriver into the emergency override hole and push it down.
6. Verify that the selector lever can be shifted from the P position.
 - If not as verified, replace the selector lever component. (See AUTOMATIC TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION.)



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