

2012 - Mazda6 - Transmission/ Transaxle

SHIFT-LOCK SYSTEM INSPECTION

Shift-Lock System Inspection

1. Switch the ignition to ON.
2. Shift the selector lever to the P position.
3. Perform the following procedures to inspect the shift-lock system.
 - If there is any malfunction, inspect the shift-lock solenoid. (See [Shift-Lock Solenoid Inspection](#).)
 - a. Verify that the selector lever cannot be selected from P to R position when the brake pedal is released.
 - b. Verify that the selector lever can be selected from P to R position when the brake pedal is depressed.

Shift-Lock Solenoid Inspection

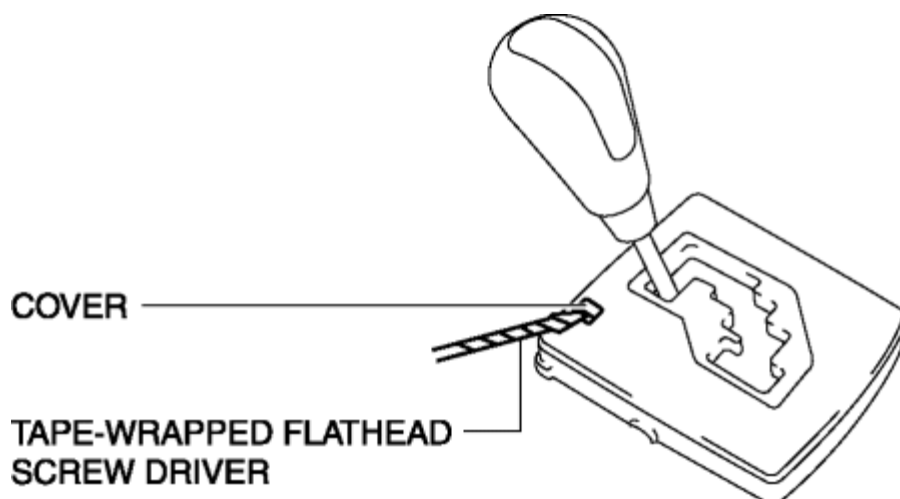
CAUTION:

- Water or foreign objects entering the connector can cause a poor connection or corrosion. Be sure not to drop water or foreign objects on the connector when disconnecting it.
1. Disconnect the selector lever component connector.
 - a. Disconnect the negative battery cable.
 - b. Remove the rear console. (See [REAR CONSOLE REMOVAL/ INSTALLATION](#).)
 - c. Disconnect the selector lever component connector.

Terminal	Connected to	Test condition	Voltage (V)
E—GND	Brake switch	Brake pedal depressed	B+
		Brake pedal released	Below 1.0
I—GND	Ignition switch	Switch the ignition to ACC or ON	B+
		Switch the ignition to off	Below 1.0
K—GND	Body GND	Under any conditions	Below 1.0

Emergency Override Button Inspection

1. Switch the ignition to 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 panel cover using a tape-wrapped flathead screwdriver as shown in the figure.



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 there is any malfunction, replace the selector lever component. (See [AUTOMATIC TRANSAXLE SHIFT MECHANISM REMOVAL/ INSTALLATION.](#))

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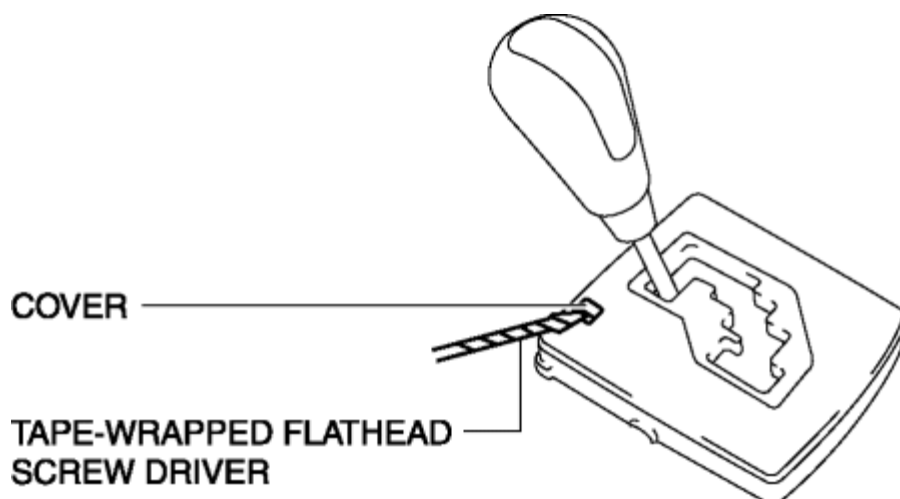
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