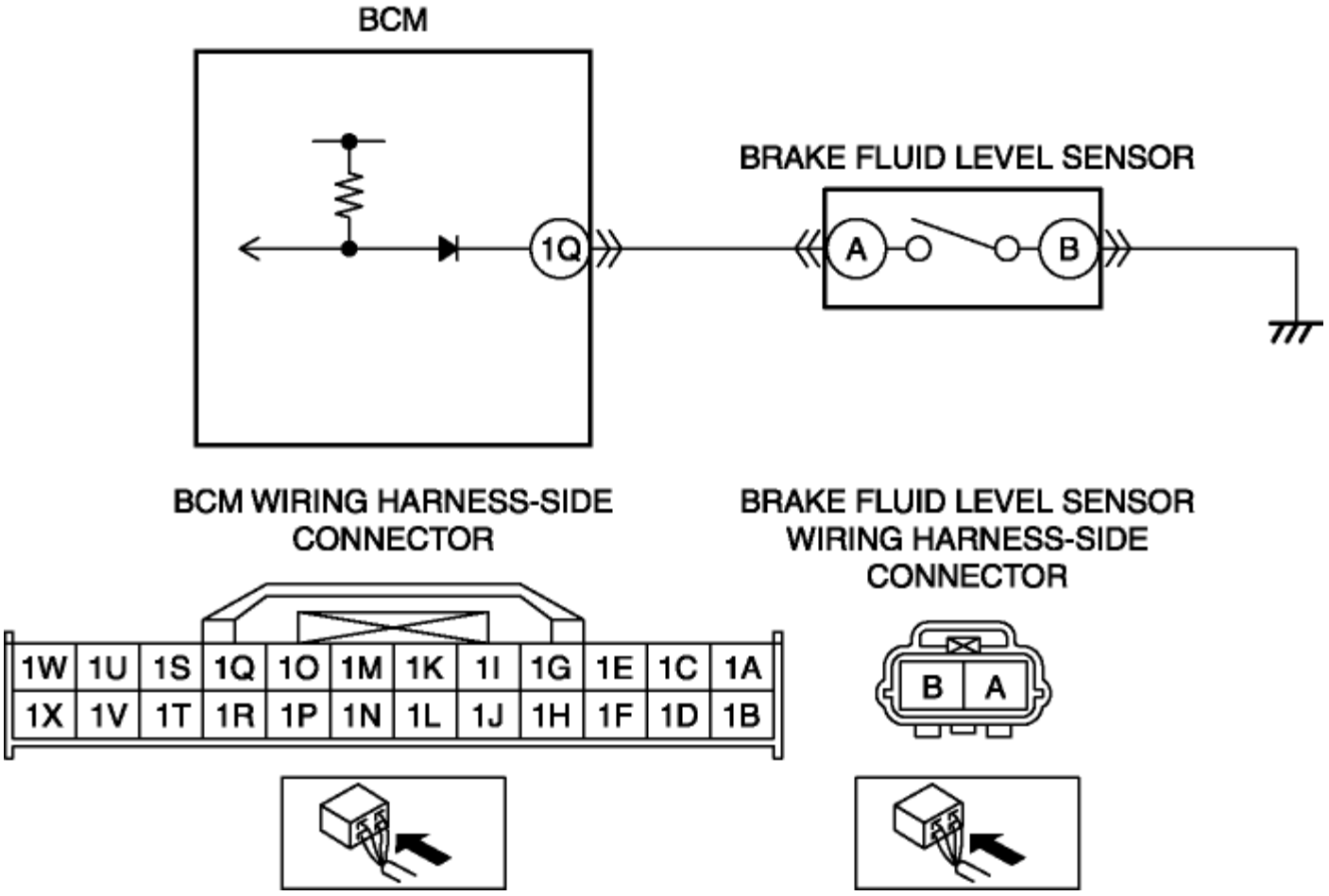
2012 - Mazda6 - Body and Accessories

DTC B1048:11 [BCM]

DESCRIPTION	Brake fluid level sensor circuit malfunction
DETECTION CONDITION	• Short to ground in brake fluid level sensor circuit with the brake fluid amount on the upper side of the minimum.
POSSIBLE CAUSE	• Brake fluid level sensor connector or terminals malfunction • Brake fluid level sensor malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between brake fluid level sensor terminal A and BCM terminal 1Q • BCM malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**PERFORM DTC INSPECTION** • Clear the DTC from the BCM memory using the M-MDS. (See **CLEARING DTC [BCM]**.) • Perform the BCM DTC inspection using the M-MDS with the brake fluid amount on the upper side of the minimum. (See **DTC INSPECTION [BCM]**.) • Is the same DTC present?	Yes	Go to the next step.
		No	Go to Step 7.
2	**INSPECT BRAKE FLUID LEVEL SENSOR CONNECTOR CONDITION** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the brake fluid level sensor	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.

	connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	**INSPECT BRAKE FLUID LEVEL SENSOR** • Inspect the brake fluid level sensor. (See **BRAKE FLUID LEVEL SENSOR INSPECTION**.) • Is there any malfunction?	Yes	Replace the brake fluid level sensor, then go to Step 6. (See **BRAKE PEDAL REMOVAL/INSTALLATION**.)
		No	Go to the next step.
4	**INSPECT BCM CONNECTOR CONDITION** • Disconnect the BCM connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.
5	**INSPECT BRAKE FLUID LEVEL SENSOR CIRCUIT FOR SHORT TO GROUND** • Brake fluid level sensor and BCM connectors are disconnected. • Inspect for continuity between brake fluid level sensor terminal A (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to the next step.
		No	Go to the next step.
6	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect all disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from the BCM memory using the M-MDS. (See **CLEARING DTC [BCM]**.) • Perform the BCM DTC inspection using the M-MDS with the brake fluid amount on the upper side of the minimum. (See **DTC INSPECTION [BCM]**.)	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then go to the next step. (See **BODY CONTROL MODULE (BCM) REMOVAL/INSTALLATION**.)
		No	Go to the next step.

	• Is the same DTC present?		
7	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [BCM]**.)
		No	DTC troubleshooting completed.

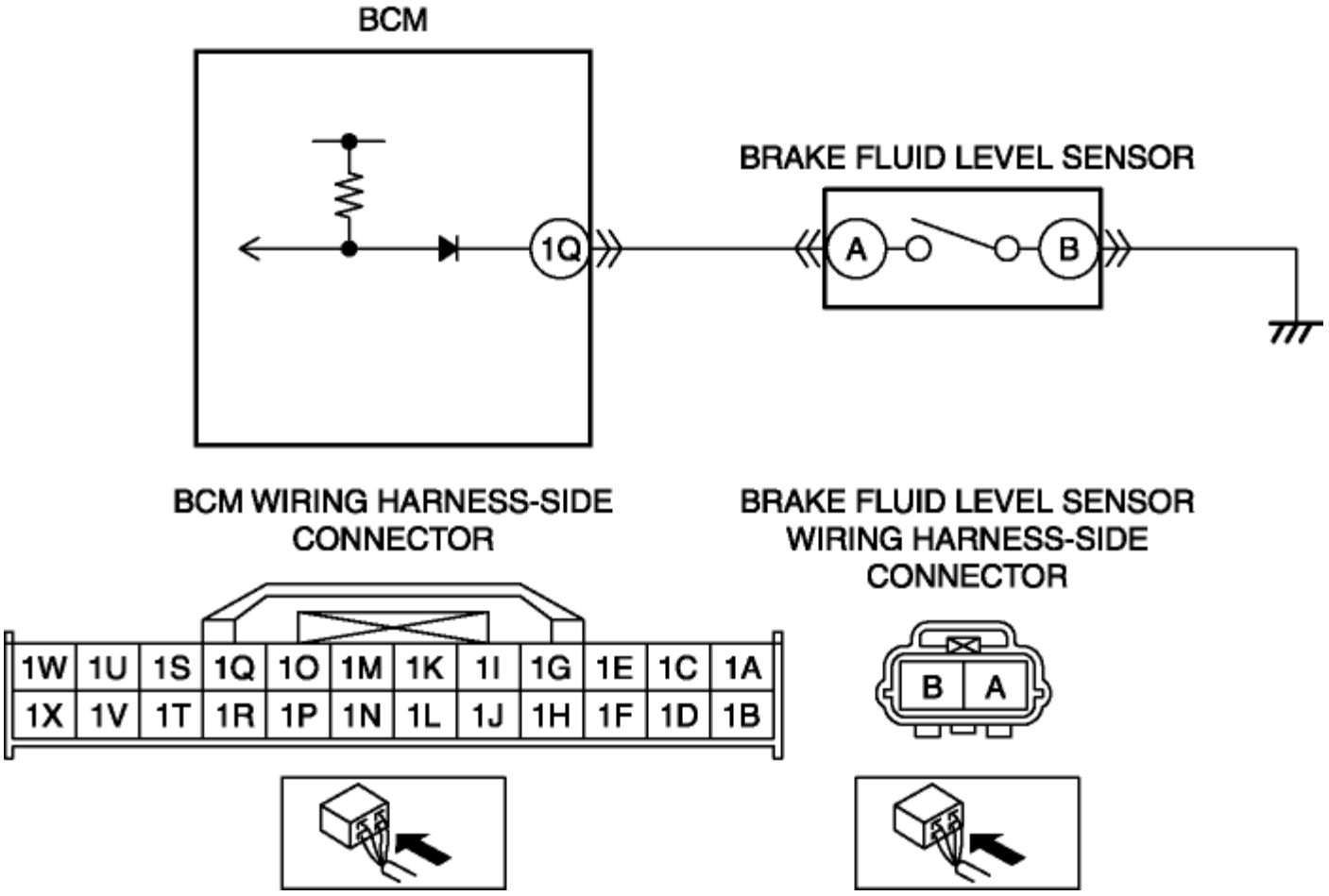
< Previous **Next >**

Back to Top

2012 - Mazda6 - Body and Accessories

DTC B1048:11 [BCM]

DESCRIPTION	Brake fluid level sensor circuit malfunction
DETECTION CONDITION	• Short to ground in brake fluid level sensor circuit with the brake fluid amount on the upper side of the minimum.
POSSIBLE CAUSE	• Brake fluid level sensor connector or terminals malfunction • Brake fluid level sensor malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between brake fluid level sensor terminal A and BCM terminal 1Q • BCM malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**PERFORM DTC INSPECTION** • Clear the DTC from the BCM memory using the M-MDS. (See **CLEARING DTC [BCM]**.) • Perform the BCM DTC inspection using the M-MDS with the brake fluid amount on the upper side of the minimum. (See **DTC INSPECTION [BCM]**.) • Is the same DTC present?	Yes	Go to the next step.
		No	Go to Step 7.
2	**INSPECT BRAKE FLUID LEVEL SENSOR CONNECTOR CONDITION** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the brake fluid level sensor	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.

	connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	**INSPECT BRAKE FLUID LEVEL SENSOR** • Inspect the brake fluid level sensor. (See **BRAKE FLUID LEVEL SENSOR INSPECTION**.) • Is there any malfunction?	Yes	Replace the brake fluid level sensor, then go to Step 6. (See **BRAKE PEDAL REMOVAL/INSTALLATION**.)
		No	Go to the next step.
4	**INSPECT BCM CONNECTOR CONDITION** • Disconnect the BCM connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.
5	**INSPECT BRAKE FLUID LEVEL SENSOR CIRCUIT FOR SHORT TO GROUND** • Brake fluid level sensor and BCM connectors are disconnected. • Inspect for continuity between brake fluid level sensor terminal A (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to the next step.
		No	Go to the next step.
6	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect all disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from the BCM memory using the M-MDS. (See **CLEARING DTC [BCM]**.) • Perform the BCM DTC inspection using the M-MDS with the brake fluid amount on the upper side of the minimum. (See **DTC INSPECTION [BCM]**.)	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then go to the next step. (See **BODY CONTROL MODULE (BCM) REMOVAL/INSTALLATION**.)
		No	Go to the next step.

	• Is the same DTC present?		
7	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [BCM]**.)
		No	DTC troubleshooting completed.

< Previous **Next >**

Back to Top