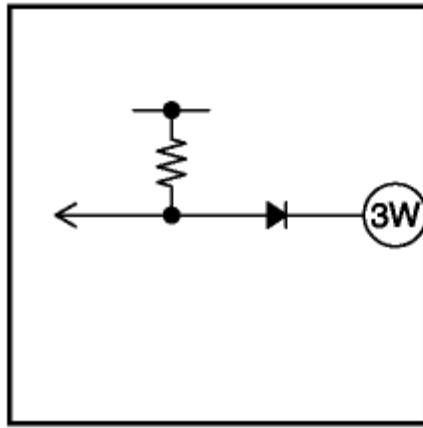


2012 - Mazda6 - Body and Accessories

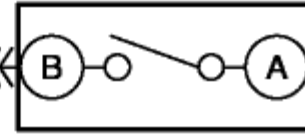
DTC B1D35:11 [BCM]

DESCRIPTION	Hazard warning switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in hazard warning switch circuit with the hazard warning switch off.
POSSIBLE CAUSE	• Hazard warning switch connector or terminals malfunction • Hazard warning switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between hazard warning switch terminal B and BCM terminal 3W • BCM malfunction

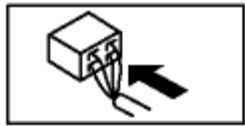
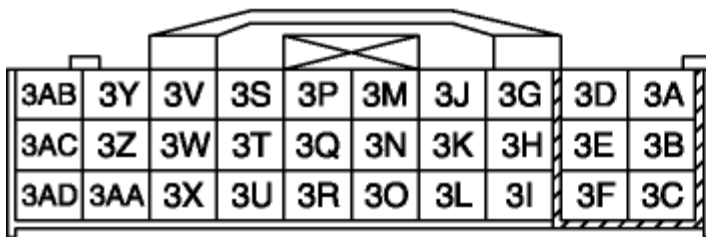
BCM



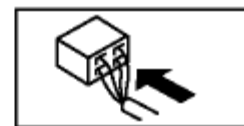
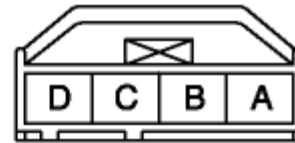
HAZARD WARNING SWITCH



BCM WIRING HARNESS-SIDE CONNECTOR



HAZARD WARNING SWITCH WIRING HARNESS-SIDE CONNECTOR



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 hazard warning switch off. (See DTC INSPECTION [BCM].) - Is the same DTC present?	Yes Go to the next step.
		No Go to Step 7.
2	INSPECT HAZARD WARNING SWITCH CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	Yes Repair or replace the connector or terminals, then go to Step 6.
		No Go to the next step.

	• Disconnect the hazard warning switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT HAZARD WARNING SWITCH • Inspect the hazard warning switch. (See HAZARD WARNING SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the hazard warning switch, then go to Step 6. (See HAZARD WARNING SWITCH 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 HAZARD WARNING SWITCH CIRCUIT FOR SHORT TO GROUND • Hazard warning switch and BCM connectors are disconnected. • Inspect for continuity between hazard warning switch terminal B (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 hazard warning switch off.	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.

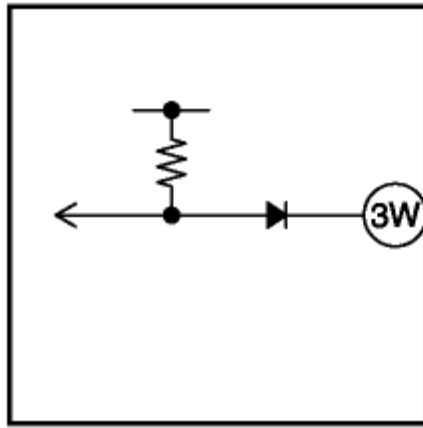
	(See DTC INSPECTION [BCM] .)		
	• Is the same DTC present?		
7	VERIFY THAT NO OTHER DTCs ARE PRESENT • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [BCM] .)
		No	DTC troubleshooting completed.

2012 - Mazda6 - Body and Accessories

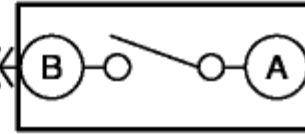
DTC B1D35:11 [BCM]

DESCRIPTION	Hazard warning switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in hazard warning switch circuit with the hazard warning switch off.
POSSIBLE CAUSE	• Hazard warning switch connector or terminals malfunction • Hazard warning switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between hazard warning switch terminal B and BCM terminal 3W • BCM malfunction

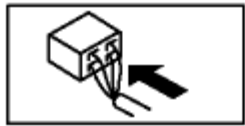
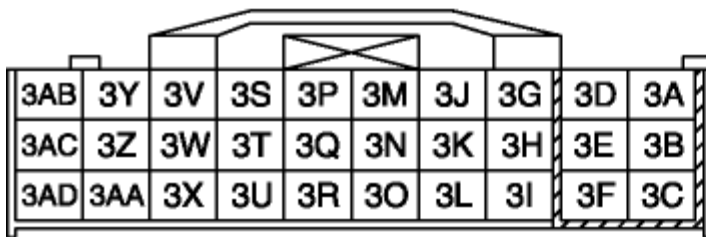
BCM



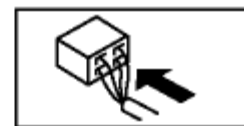
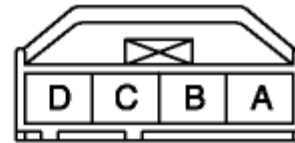
HAZARD WARNING SWITCH



BCM WIRING HARNESS-SIDE CONNECTOR



HAZARD WARNING SWITCH WIRING HARNESS-SIDE CONNECTOR



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 hazard warning switch off. (See DTC INSPECTION [BCM].) - Is the same DTC present?	Yes Go to the next step.
		No Go to Step 7.
2	INSPECT HAZARD WARNING SWITCH CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	Yes Repair or replace the connector or terminals, then go to Step 6.
		No Go to the next step.

	• Disconnect the hazard warning switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT HAZARD WARNING SWITCH • Inspect the hazard warning switch. (See HAZARD WARNING SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the hazard warning switch, then go to Step 6. (See HAZARD WARNING SWITCH 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 HAZARD WARNING SWITCH CIRCUIT FOR SHORT TO GROUND • Hazard warning switch and BCM connectors are disconnected. • Inspect for continuity between hazard warning switch terminal B (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 hazard warning switch off.	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.

	(See DTC INSPECTION [BCM] .)		
	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.