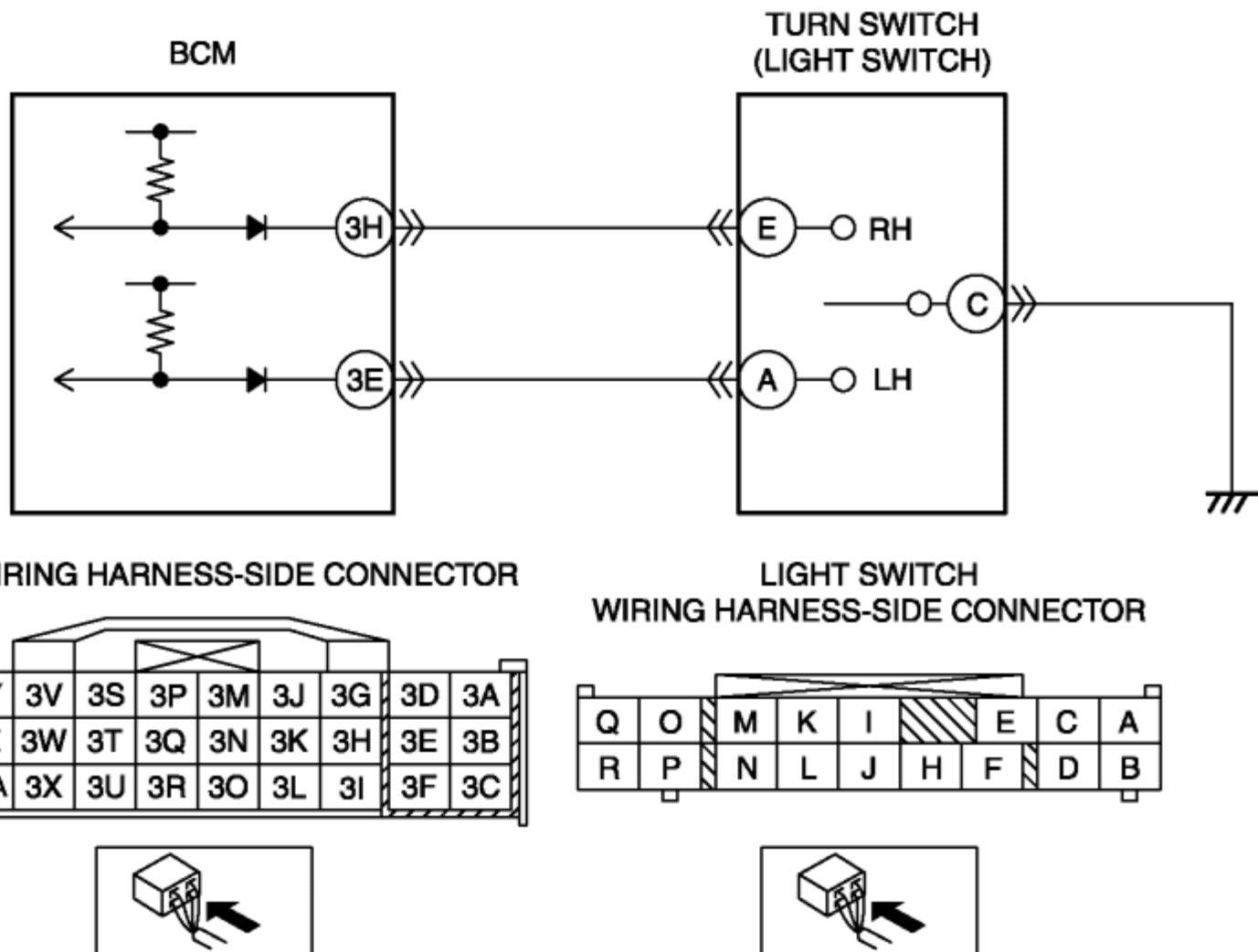


2012 - Mazda6 - Body and Accessories

DTC B1D36:11 [BCM]

DESCRIPTION	Turn switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in turn switch circuit with the turn switch off.
POSSIBLE CAUSE	• Light switch connector or terminals malfunction • Turn switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between light switch terminal E and BCM terminal 3H • Short to ground in wiring harness between light switch terminal A and BCM terminal 3E • 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 turn switch off. (See DTC INSPECTION [BCM] .) - Is the same DTC present?	YesGo to the next step.
		NoGo to Step 7.
2	INSPECT LIGHT SWITCH CONNECTOR CONDITION Switch the ignition to off.	YesRepair or replace the connector or terminals, then go to Step 6.
		NoGo to the next step.

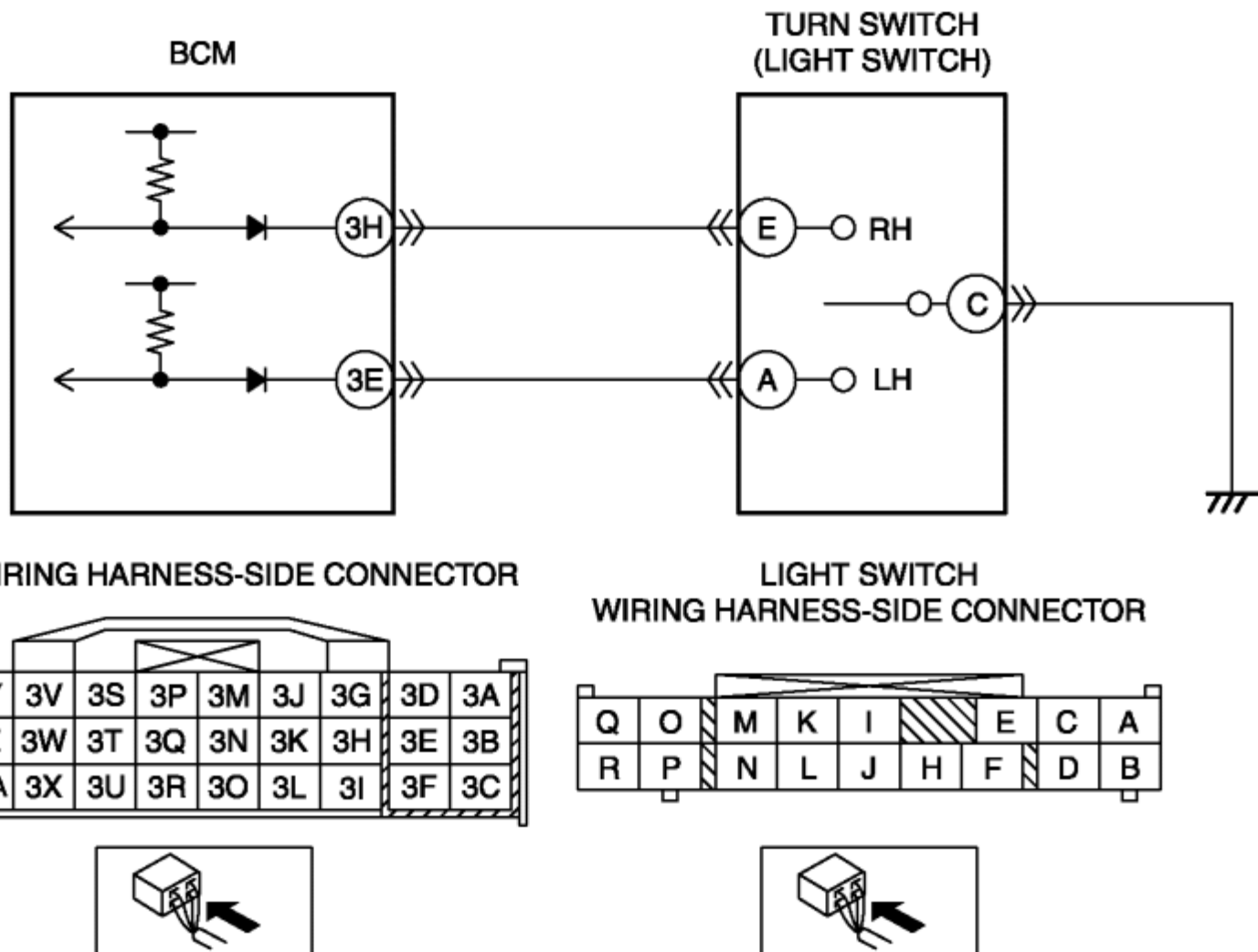
	• Disconnect the negative battery cable. • Disconnect the light switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT TURN SWITCH • Inspect the turn switch. (See LIGHT SWITCH INSPECTION .) • Is there any malfunction?	Yes	Replace the light switch, then go to Step 6. (See LIGHT 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 TURN SWITCH CIRCUIT FOR SHORT TO GROUND • Light switch and BCM connectors are disconnected. • Inspect for continuity between the following terminals and body ground: ▪ Light switch terminal E (wiring harness-side) ▪ Light switch terminal A (wiring harness-side) • 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	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then

	• 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 turn switch off. (See DTC INSPECTION [BCM] .) • Is the same DTC present?		go to the next step. (See BODY CONTROL MODULE (BCM) REMOVAL/ INSTALLATION .)
		No	Go to the next step.
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 B1D36:11 [BCM]

DESCRIPTION	Turn switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in turn switch circuit with the turn switch off.
POSSIBLE CAUSE	• Light switch connector or terminals malfunction • Turn switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between light switch terminal E and BCM terminal 3H • Short to ground in wiring harness between light switch terminal A and BCM terminal 3E • 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 turn switch off. (See DTC INSPECTION [BCM] .) - Is the same DTC present?	YesGo to the next step.
		NoGo to Step 7.
2	INSPECT LIGHT SWITCH CONNECTOR CONDITION Switch the ignition to off.	YesRepair or replace the connector or terminals, then go to Step 6.
		NoGo to the next step.

	• Disconnect the negative battery cable. • Disconnect the light switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT TURN SWITCH • Inspect the turn switch. (See LIGHT SWITCH INSPECTION .) • Is there any malfunction?	Yes	Replace the light switch, then go to Step 6. (See LIGHT 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 TURN SWITCH CIRCUIT FOR SHORT TO GROUND • Light switch and BCM connectors are disconnected. • Inspect for continuity between the following terminals and body ground: ▪ Light switch terminal E (wiring harness-side) ▪ Light switch terminal A (wiring harness-side) • 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	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then

	• 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 turn switch off. (See DTC INSPECTION [BCM] .) • Is the same DTC present?		go to the next step. (See BODY CONTROL MODULE (BCM) REMOVAL/ INSTALLATION .)
		No	Go to the next step.
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.