

2012 - Mazda6 - Restraints

DTC B00D5:11/ B00D5:12/ B00D5:13

System Malfunction Location

DTC	System Malfunction Location
M-MDS display	
B00D5:11	PAD indicator light circuit short to body ground
B00D5:12	PAD indicator light circuit short to power supply
B00D5:13	PAD indicator light circuit resistance high

Detection Condition

WARNING:

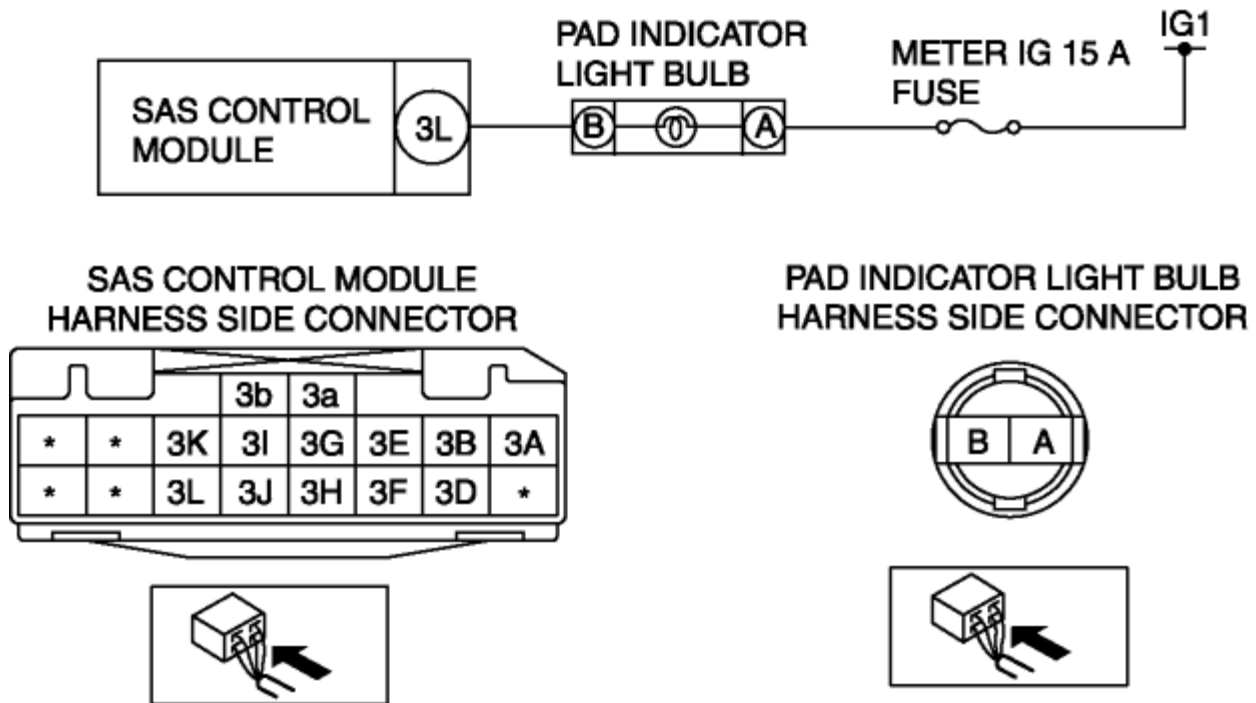
- Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure.
- PAD indicator light circuit short to body ground
- PAD indicator light circuit short to power supply
- PAD indicator light circuit resistance high

Possible Causes

- Battery malfunction
- METER IG 15 A fuse malfunction
- PAD indicator light bulb connector malfunction
- Open circuit in wiring harness between battery and PAD indicator light bulb

- A non-standard PAD indicator bulb is installed
- PAD indicator light bulb malfunction
- Open or short circuit in wiring harness between PAD indicator light bulb and SAS control module
- SAS control module malfunction

System Wiring Diagram



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT BATTERY • Measure the battery positive voltage. • Is the voltage 8–18 V?	Yes Go to the next step.
		No Battery is malfunctioning Inspect the charge/discharge system.
2	INSPECT FUSE • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more.	Yes Install the fuse, then go to the next step.
		No Replace the fuse.

	- Remove the METER IG 15 A fuse. - Is the fuse normal?		
3	INSPECT PAD INDICATOR LIGHT BULB CONNECTOR WARNING: - Handling the air bag system components improperly can accidentally deploy the air bag modules and pre-tensioner seat belts, which may seriously injure you. Read the air bag system service warnings and cautions before handling the air bag system components. (See AIR BAG SYSTEM SERVICE WARNINGS.) (See AIR BAG SYSTEM SERVICE CAUTIONS.) - Remove the center panel lower. (See CENTER PANEL LOWER REMOVAL/ INSTALLATION.) - Remove the PAD indicator light bulb. (See PASSENGER AIR BAG DEACTIVATION (PAD) INDICATOR LIGHT BULB REMOVAL/ INSTALLATION.) - Inspect the PAD indicator light bulb connector. (Corrosion, damage, and disconnected pins) - Is there any malfunction of the PAD indicator light bulb connector?	Yes	Go to the next step.
		No	Repair the PAD indicator light bulb wiring harness.
4	INSPECT PAD INDICATOR LIGHT BULB - Verify the PAD indicator light bulb capacity (W). - Has a PAD indicator light bulb with a bulb capacity (W) that is the same as a standard product been installed?	Yes	Go to the next step.
		No	Replace the bulb with a standard capacity (W) PAD indicator light bulb. (See PASSENGER AIR BAG DEACTIVATION (PAD) INDICATOR LIGHT BULB REMOVAL/ INSTALLATION .) After replacement, go to Step 9.
5	INSPECT WIRING HARNESS BETWEEN BATTERY AND PAD INDICATOR LIGHT BULB - Connect the negative battery cable. - Switch the ignition to ON. - Measure the PAD indicator light bulb connector terminal A voltage. NOTE: - Measure the voltage while shaking the wiring harness between the battery and the PAD indicator light bulb. - Is the voltage 8 V or more?	Yes	Go to the next step.
		No	Repair the wiring harness between the battery and PAD indicator light bulb.

6	INSPECT PAD INDICATOR • Ground PAD indicator connector terminal B using a jumper wire. • Switch the ignition to ON. • Does the PAD indicator illuminate?	Yes	Go to the next step.
7	INSPECT WIRING HARNESS BETWEEN PAD INDICATOR LIGHT BULB AND SAS CONTROL MODULE • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more. • Remove the column cover. (See COLUMN COVER REMOVAL/ INSTALLATION.) • Remove the clock spring. (See CLOCK SPRING REMOVAL/ INSTALLATION.) • Remove the glove compartment. (See GLOVE COMPARTMENT REMOVAL/ INSTALLATION.) • Disconnect the passenger-side air bag module connector. • Disconnect the driver and passenger-side side air bag module connectors. • Remove the C-pillar trim. (See C-PILLAR TRIM REMOVAL/ INSTALLATION.) • Disconnect the driver and passenger-side curtain air bag module connectors. • Remove the B-pillar lower trim. (See B-PILLAR LOWER TRIM REMOVAL/ INSTALLATION.) • Disconnect the driver and passenger-side pre-tensioner seat belt connectors. • Remove the rear console. (See REAR CONSOLE REMOVAL/ INSTALLATION.) • Disconnect the SAS control module connectors. • Inspect the wiring harness between PAD indicator light bulb connector terminal B and SAS control module connector terminal 3L for the following: ▪ Short circuit between terminals ▪ Short to body ground ▪ Open circuit	Yes	Go to the next step. No Replace the PAD indicator light bulb. (See PASSENGER AIR BAG DEACTIVATION (PAD) INDICATOR LIGHT BULB REMOVAL/ INSTALLATION .)

	NOTE: - Inspect for continuity while shaking the wiring harness between the SAS control module and PAD indicator light bulb. - Is the wiring harness normal?		
8	INSPECT THE WIRING HARNESS BETWEEN SAS CONTROL MODULE AND PAD INDICATOR LIGHT BULB FOR A SHORT CIRCUIT TO THE POWER SUPPLY - Connect the negative battery cable. - Switch the ignition to ON. - Measure the voltage of SAS control module connector terminal 3L. NOTE: - Measure the voltage while shaking the wiring harness between the SAS control module and PAD indicator light bulb. - Is the voltage measured?	Yes Repair the wiring harness between the PAD indicator light bulb and SAS control module.	
		No Go to the next step.	
9	PERFORM SAS CONTROL MODULE DTC INSPECTION - Switch the ignition to off. - Disconnect the negative battery cable and wait for 1 min or more. - Reconnect all disconnected connectors. - Connect the negative battery cable. - Switch the ignition to ON. - Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC.) - Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION.) - Are the same DTCs present?	Yes Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)	
		No DTC troubleshooting completed.	

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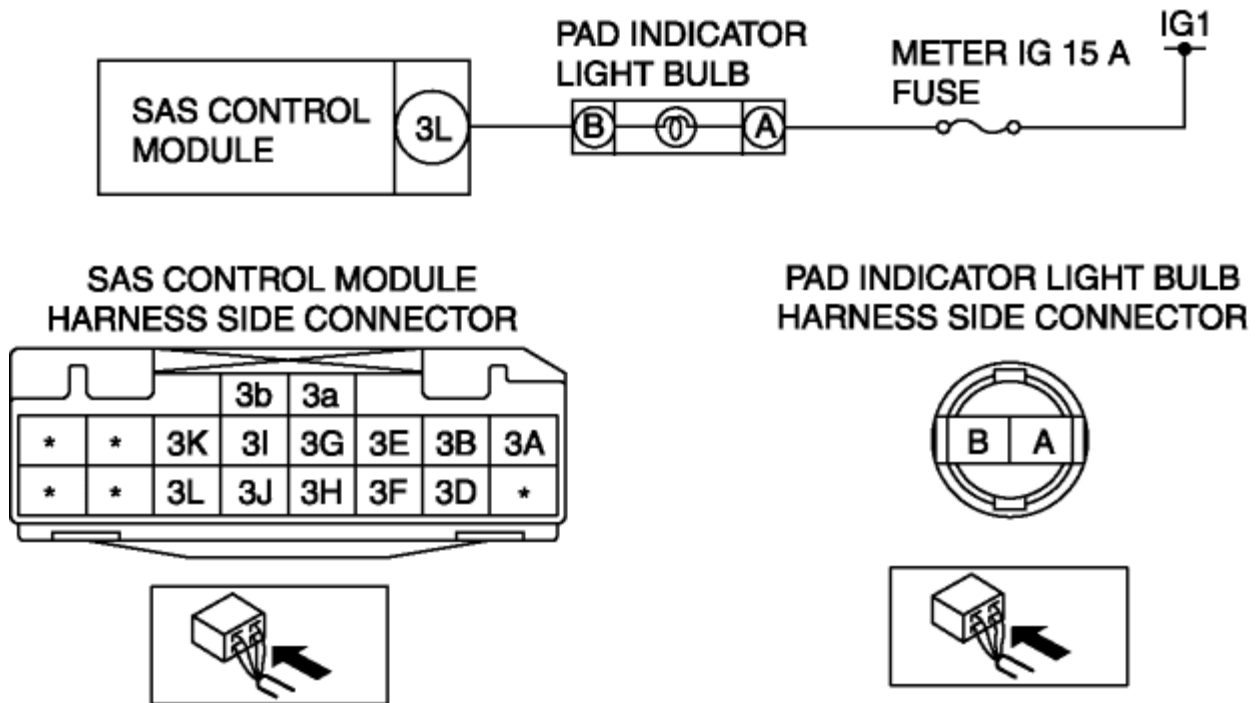
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		No	Repair the wiring harness between the battery and PAD indicator light bulb.

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		No Go to the next step.	
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