

2012 - Mazda6 - Restraints

DTC B00D5:55

System Malfunction Location

- Configuration setting error

Detection Condition

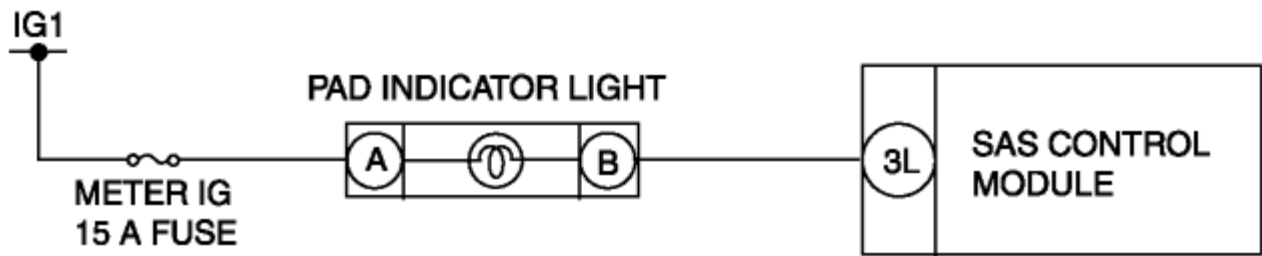
WARNING:

- 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.
- Voltage of SAS control module terminal 3L (PAD indicator light output) is specification or more with the configuration setting for the SAS control module having no PAD indicator light

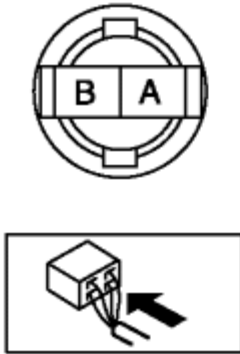
Possible Causes

- PAD indicator light bulb accidentally assembled to vehicle not equipped with seat weight sensor
- PAD indicator light connector malfunction
- SAS control module connector malfunction
- Circuit between the PAD indicator light and SAS control module is malfunctioning (short to power supply)
- SAS control module malfunction

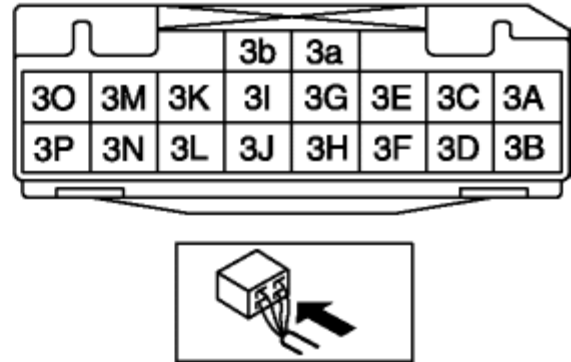
System Wiring Diagram



PAD INDICATOR LIGHT
HARNESS-SIDE CONNECTOR



SAS CONTROL MODULE
HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	VERIFY PAD INDICATOR SETTING - Verify that the PAD indicator light bulb is not assembled to a vehicle not equipped with a seat weight sensor on the passenger seat slide adjusters. - Is the PAD indicator light bulb mistakenly installed to the vehicle without the seat weight sensor?	Yes Remove the PAD indicator light bulb, then go to the next step. (See PASSENGER AIR BAG DEACTIVATION (PAD) INDICATOR LIGHT BULB REMOVAL/ INSTALLATION.) No Go to the next step.
2	INSPECT PAD INDICATOR LIGHT CONNECTOR - Switch the ignition to off. - Disconnect the negative battery cable and wait for 1 min or more. - Inspect the PAD indicator light connector. (Corrosion, damage, and disconnected pins) - Is there any malfunction of the PAD indicator light connector?	Yes Replace the PAD indicator light wiring harness, then go to the Step 5. No Go to the next step.

3	INSPECT SAS CONTROL MODULE CONNECTOR • Disconnect the SAS control module connector. • Inspect the SAS control module connector. (Corrosion, damage, and disconnected pins) • Is there any malfunction of the SAS control module connector?	Yes	Replace the SAS control module wiring harness, then go to the Step 5.
4	INSPECT WIRING HARNESS BETWEEN SAS CONTROL MODULE AND PAD INDICATOR LIGHT FOR SHORT CIRCUIT TO POWER SUPPLY • Connect the negative battery cable. • Switch the ignition 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. • Can the voltage be measured?	Yes	Replace the wiring harness between the SAS control module and PAD indicator light, then go to the next step.
5	PERFORM SAS CONTROL MODULE DTC INSPECTION • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more. • Make sure to reconnect all the disconnected connectors. • Connect the negative battery cable. • Switch the ignition 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.) • Is DTC B00D5:55 displayed?	Yes	Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	DTC troubleshooting completed.

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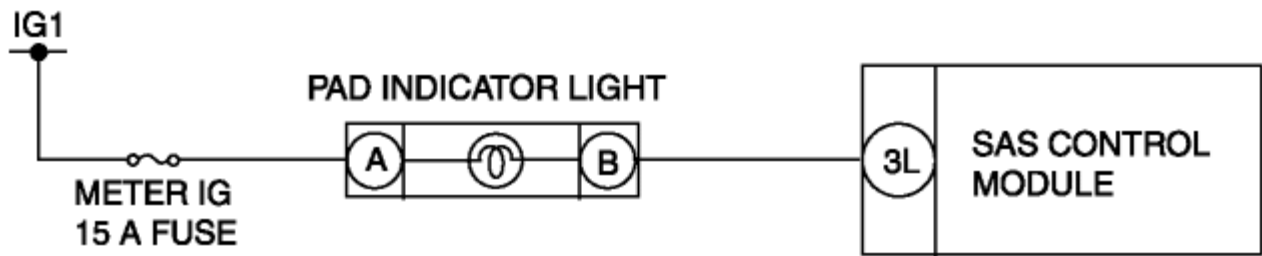
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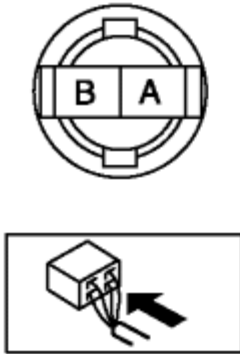
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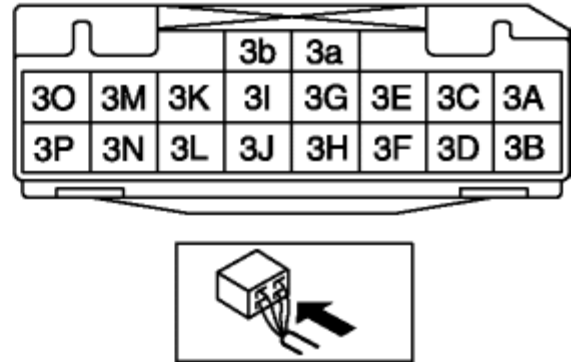
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