

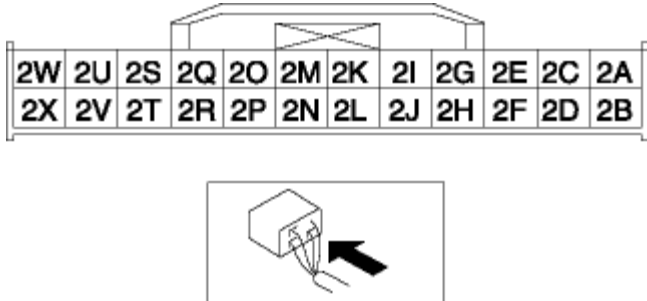
2012 - Mazda6 - Body and Accessories

NO. 2 ALL METERS AND GAUGES DO NOT OPERATE [INSTRUMENT CLUSTER (WITHOUT MALFUNCTION WARNING LIGHT)]

2	All meters and gauges do not operate
POSSIBLE CAUSE	• Instrument cluster malfunction • Connector or pin malfunction • Fuse malfunction • Open or short circuit in power supply (IG1) wiring harness • Open or short circuit in ground wiring harness

Diagnostic procedure

STEP	INSPECTION	ACTION
1	• Switch the ignition to ON. • Inspect the following: ▪ Does the odometer/tripmeter illuminate? ▪ Does the instrument cluster illumination illuminate? (Black out mater) ▪ Does the fuel gauge operate? ▪ Does the MIL turn on?	Yes Troubleshooting completed. (The system is normal.)
		No Go to the next step.
2	• Inspect the METER IG fuse. • Is the fuse normal?	Yes Go to the next step.
		No Replace the fuse. • If the fuse is burned out

			inspect the wiring harness for a short to ground. Repair or replace the wiring harness, then replace the fuse.
3	Retrieve the instrument cluster DTC using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].)	Yes	Go to the applicable DTC troubleshooting procedure.
	Is there any DTC retrieved?	No	Go to the next step.
4	- Switch the ignition to off. - Remove the instrument cluster. - Disconnect the instrument cluster connector. - Inspect the voltage between instrument cluster wiring harness-side connector terminal 2V and terminal 2B. - Switch the ignition to ON. - Is the voltage B+ ?	Yes	Go to the next step.
		No	Inspect the suspected wiring harness, then repair or replace.
5	Switch the ignition to off.	Yes	Replace the instrument cluster.
	- Inspect the instrument cluster connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). - Are the terminals normal?	No	Repair or replace the terminal.

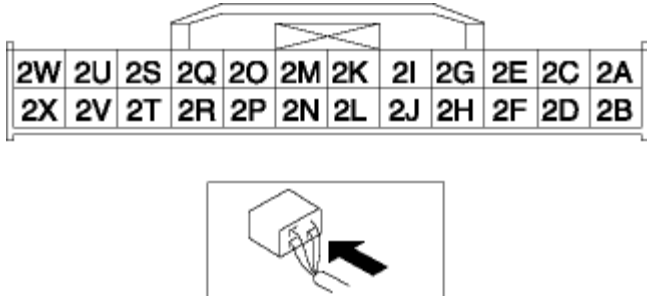
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