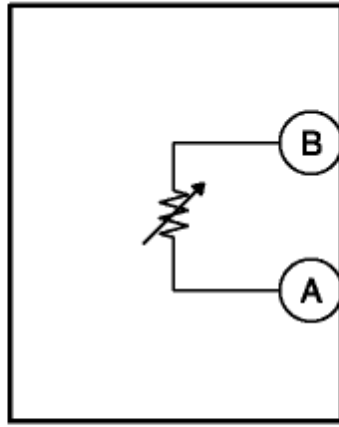


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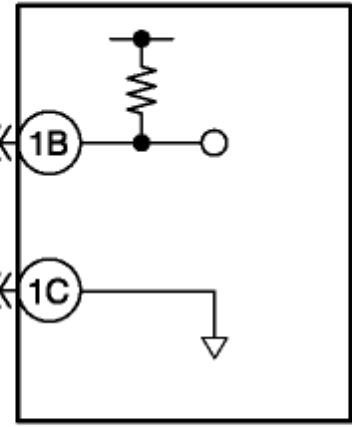
DTC P0070:14 [INSTRUMENT CLUSTER]

DESCRIPTION	Ambient temperature sensor circuit malfunction
DETECTION CONDITION	Short to ground or open circuit in wiring harness between ambient temperature sensor and instrument cluster
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between ambient temperature sensor terminal B and instrument cluster terminal 1B • Ambient temperature sensor malfunction • Open circuit in wiring harness between ambient temperature sensor terminal B and instrument cluster terminal 1B • Open circuit in wiring harness between ambient temperature sensor terminal A and instrument cluster terminal 1C • Instrument cluster malfunction

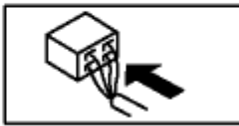
AMBIENT TEMPERATURE SENSOR



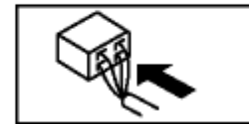
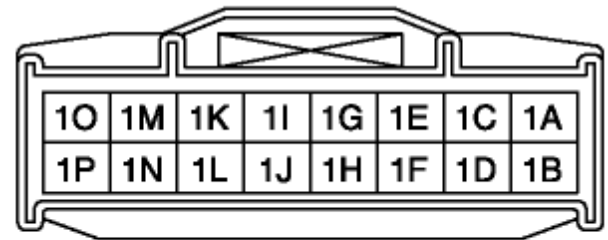
INSTRUMENT CLUSTER



AMBIENT TEMPERATURE SENSOR WIRING HARNESS-SIDE CONNECTOR



INSTRUMENT CLUSTER WIRING HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT AMBIENT TEMPERATURE SENSOR CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the ambient temperature sensor connector. - Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). - Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 6.
		No Go to the next step.
2	INSPECT INSTRUMENT CLUSTER CONNECTOR CONDITION - Disconnect the instrument cluster connector. - Inspect the connector for poor connection (such as damaged/pulled-out pins, and	Yes Repair or replace the connector or terminal, then go to Step 6.
		No Go to the next step.

	corrosion).		
	Is there any malfunction?		
3	INSPECT AMBIENT TEMPERATURE SENSOR CIRCUIT FOR SHORT TO GROUND - Inspect for continuity between ambient temperature sensor 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 Step 6.
		No	Go to the next step.
4	INSPECT AMBIENT TEMPERATURE SENSOR - Inspect the ambient temperature sensor. (See AMBIENT TEMPERATURE SENSOR INSPECTION [MANUAL AIR CONDITIONER].) (See AMBIENT TEMPERATURE SENSOR INSPECTION [FULL-AUTO AIR CONDITIONER].) - Is there any malfunction?	Yes	Replace the ambient temperature sensor, then go to Step 6. (See AMBIENT TEMPERATURE SENSOR REMOVAL/ INSTALLATION [MANUAL AIR CONDITIONER] .) (See AMBIENT TEMPERATURE SENSOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER] .)
		No	Go to the next step.
5	INSPECT AMBIENT TEMPERATURE SENSOR CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between following terminals: - Ambient temperature sensor terminal B (wiring harness-side) and instrument cluster terminal 1B (wiring harness-side) - Ambient temperature sensor terminal A (wiring harness-side) and instrument cluster terminal 1C (wiring harness-side) - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
6	VERIFY TROUBLESHOOTING COMPLETED - Make sure to reconnect the disconnected connectors. - Clear the DTC from the instrument cluster memory using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].)	Yes	Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
		No	Go to the next step.

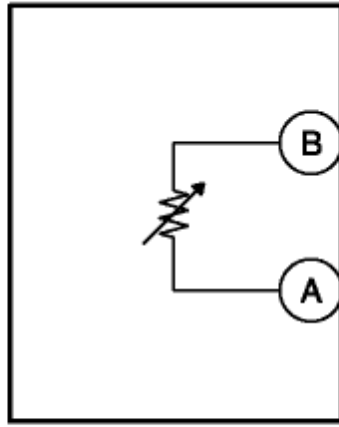
	- Perform the instrument cluster DTC inspection using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) - Is the same DTC present?		
7	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER] .)
		No	DTC troubleshooting completed.

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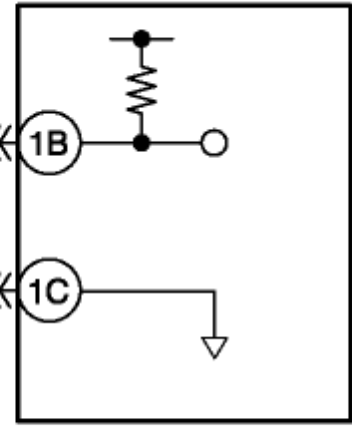
DTC P0070:14 [INSTRUMENT CLUSTER]

DESCRIPTION	Ambient temperature sensor circuit malfunction
DETECTION CONDITION	Short to ground or open circuit in wiring harness between ambient temperature sensor and instrument cluster
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between ambient temperature sensor terminal B and instrument cluster terminal 1B • Ambient temperature sensor malfunction • Open circuit in wiring harness between ambient temperature sensor terminal B and instrument cluster terminal 1B • Open circuit in wiring harness between ambient temperature sensor terminal A and instrument cluster terminal 1C • Instrument cluster malfunction

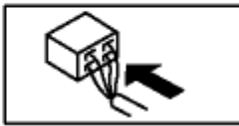
AMBIENT TEMPERATURE SENSOR



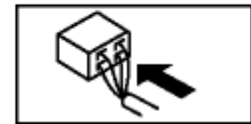
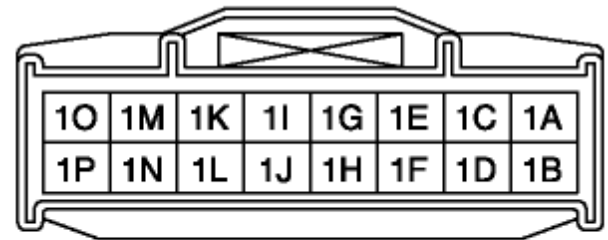
INSTRUMENT CLUSTER



AMBIENT TEMPERATURE SENSOR WIRING HARNESS-SIDE CONNECTOR



INSTRUMENT CLUSTER WIRING HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT AMBIENT TEMPERATURE SENSOR CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the ambient temperature sensor connector. - Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). - Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 6.
		No Go to the next step.
2	INSPECT INSTRUMENT CLUSTER CONNECTOR CONDITION - Disconnect the instrument cluster connector. - Inspect the connector for poor connection (such as damaged/pulled-out pins, and	Yes Repair or replace the connector or terminal, then go to Step 6.
		No Go to the next step.

	corrosion).		
	Is there any malfunction?		
3	INSPECT AMBIENT TEMPERATURE SENSOR CIRCUIT FOR SHORT TO GROUND - Inspect for continuity between ambient temperature sensor 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 Step 6.
		No	Go to the next step.
4	INSPECT AMBIENT TEMPERATURE SENSOR - Inspect the ambient temperature sensor. (See AMBIENT TEMPERATURE SENSOR INSPECTION [MANUAL AIR CONDITIONER].) (See AMBIENT TEMPERATURE SENSOR INSPECTION [FULL-AUTO AIR CONDITIONER].) - Is there any malfunction?	Yes	Replace the ambient temperature sensor, then go to Step 6. (See AMBIENT TEMPERATURE SENSOR REMOVAL/ INSTALLATION [MANUAL AIR CONDITIONER] .) (See AMBIENT TEMPERATURE SENSOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER] .)
		No	Go to the next step.
5	INSPECT AMBIENT TEMPERATURE SENSOR CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between following terminals: - Ambient temperature sensor terminal B (wiring harness-side) and instrument cluster terminal 1B (wiring harness-side) - Ambient temperature sensor terminal A (wiring harness-side) and instrument cluster terminal 1C (wiring harness-side) - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
6	VERIFY TROUBLESHOOTING COMPLETED - Make sure to reconnect the disconnected connectors. - Clear the DTC from the instrument cluster memory using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].)	Yes	Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
		No	Go to the next step.

	- Perform the instrument cluster DTC inspection using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) - Is the same DTC present?		
7	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER] .)
		No	DTC troubleshooting completed.