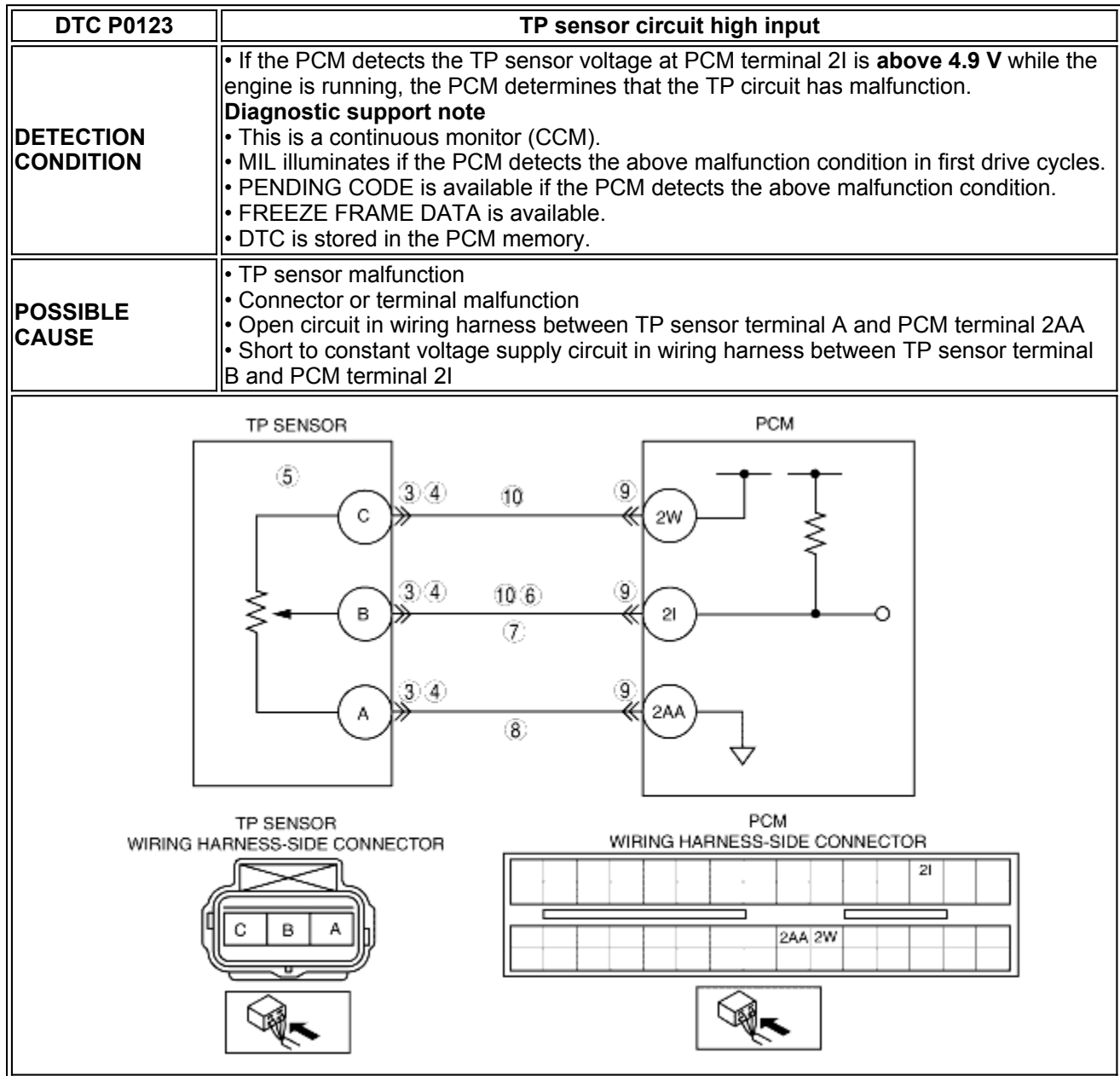


DTC P0123 [LF]

B3E010201084W17



Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has FREEZE FRAME DATA been recorded?	Yes	Go to the next step.
		No	Record the FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related service repair information availability. • Is any related repair information available?	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.

3	INSPECT TP SENSOR CONNECTOR <ul style="list-style-type: none"> • Turn the ignition switch off. • Verify that the TP sensor connector is connected securely. • Is connector normal? 	Yes	Go to the next step.
		No	Connect the connector securely, then go to Step 11.
4	INSPECT POOR CONNECTION OF TP SENSOR CONNECTOR <ul style="list-style-type: none"> • Disconnect the TP sensor connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? 	Yes	Repair or replace the terminal, then go to Step 11.
		No	Go to the next step.
5	INSPECT TP SENSOR <ul style="list-style-type: none"> • Perform TP sensor inspection. (See THROTTLE POSITION (TP) SENSOR INSPECTION [LF]) • Is TP sensor normal? 	Yes	Go to the next step.
		No	Replace the TP sensor, then go to Step 11.
6	INSPECT TP SENSOR SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY <ul style="list-style-type: none"> • Turn the ignition switch to the ON position (Engine off). • Measure the voltage between terminal B and body ground. • Is the voltage above 4.9 V? 	Yes	Repair or replace short to power supply. Then, go to Step 11.
		No	Go to the next step.
7	VERIFY TP SIGNAL CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> • Turn the ignition switch off. • Inspect for continuity between TP sensor terminal B (wiring harness-side) and PCM terminal 2I. • Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 11.
8	VERIFY TP SENSOR GROUND CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> • Inspect for continuity between TP sensor terminal A and body ground. • Is there continuity? 	Yes	Repair or replace open circuit in wiring harness between TP sensor terminal A (wiring harness-side) and PCM terminal 2AA (wiring harness-side). Then, go to Step 11.
		No	Go to the next step.
9	INSPECT PCM CONNECTOR <ul style="list-style-type: none"> • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? 	Yes	Repair terminal, then go to Step 11.
		No	Go to Step 11.
10	VERIFY TP SIGNAL CIRCUIT FOR SHORT TO CONSTANT VOLTAGE CIRCUIT <ul style="list-style-type: none"> • Inspect the continuity between TP sensor terminals B and C. • Is there continuity? 	Yes	Repair or replace the wiring harness, then go to the next step.
		No	Go to the next step.
11	VERIFY TROUBLESHOOTING OF DTC P0123 COMPLETED <ul style="list-style-type: none"> • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the WDS or equivalent. • Start the engine. • Is same DTC present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .)
		No	Go to the next step.
12	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF].) 	Yes	Go to the applicable DTC troubleshooting. (See DTC TABLE [LF] .)
		No	Troubleshooting completed.

	• Are any DTC present?		
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