

DTC P0122 [LF]

B3E010201084W16

DTC P0122	TP sensor circuit low input
DETECTION CONDITION <ul style="list-style-type: none"> If the PCM detects the TP sensor voltage at PCM terminal 2I is below 0.1 V while the engine running to on, the PCM determines that the TP circuit has malfunction. Diagnostic support note <ul style="list-style-type: none"> This is a continuous monitor (CCM). The MIL illuminates if the PCM detects the above malfunction conditions in first drive cycles. PENDING CODE is available if the PCM detects the above malfunction condition. FREEZE FRAME DATA is available. DTC is stored in the PCM memory. 	POSSIBLE CAUSE <ul style="list-style-type: none"> TP sensor malfunction Connector or terminal malfunction Open circuit in wiring harness between TP sensor terminal B and PCM terminal 2I Short to ground in wiring harness between TP sensor terminal B and PCM terminal 2I Open circuit in wiring harness between TP sensor terminal C and PCM terminal 2W
<p style="text-align: center;">TP SENSOR</p> <p style="text-align: center;">PCM</p> <p style="text-align: center;">TP SENSOR WIRING HARNESS-SIDE CONNECTOR</p> <p style="text-align: center;">PCM WIRING HARNESS-SIDE CONNECTOR</p>	

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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	CLASSIFY TP SENSOR OR WIRING HARNESS MALFUNCTION <ul style="list-style-type: none"> • Connect the WDS or equivalent. • Access the TP PID. • Disconnect the TP sensor connector. • Connect a jumper wire between TP sensor terminals B and C (wiring harness-side). • Is the voltage above 4.9 V? 	Yes	Go to the next step.
		No	Go to step 5.
4	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	Inspect TP sensor terminal C for poor connection. Repair or replace if necessary, then go to Step 7.
		No	Replace the TP sensor, then go to Step 7.
5	INSPECT POWER SUPPLY CIRCUIT VOLTAGE AT TP SENSOR CONNECTOR Note <ul style="list-style-type: none"> • If DTC P0107 and P2228 are also retrieved with P0122, go to CONSTANT VOLTAGE troubleshooting procedure. • Turn the ignition switch to the ON position (Engine off). • Inspect the voltage at TP sensor terminal C (wiring harness-side). • Is the voltage within 4.5- 5.5 V? 	Yes	Go to the next step.
		No	Repair or replace open circuit in wiring harness between TP sensor connector terminal C and PCM terminal 2W (wiring harness-side). Then, go to Step 7.
6	VERIFY TP SIGNAL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> • Inspect for continuity between TP sensor terminal B (harness-side) and body ground. • Is there continuity? 	Yes	Repair or replace the wiring harness, then go to Step 7.
		No	Go to the next step.
7	VERIFY TROUBLESHOOTING OF DTC P0122 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 the same DTC present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .)
		No	Go to the next step.
8	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform the "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF].) • Are any DTC present? 	Yes	Go to the applicable DTC troubleshooting. (See DTC TABLE [LF] .)
		No	Troubleshooting completed.