

DTC P0122 [ZJ, Z6]

B3E010200100W09

| DTC P0122 | TP sensor circuit low input |
|----------------------------|---|
| DETECTION CONDITION | <ul style="list-style-type: none"> If the PCM detects that the TP sensor voltage at PCM terminal 2AA is less than 0.10 V while the engine is running, the PCM determines that the TP sensor circuit has a 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 condition in the first drive cycle. PENDING CODE is available if the PCM detects the above malfunction condition. FREEZE FRAME DATA is available. The 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 A and PCM terminal 2W Short to GND in wiring harness between TP sensor terminal A and PCM terminal 2W Open circuit in wiring harness between TP sensor terminal C and PCM terminal 2AA Short to GND in wiring harness between TP sensor terminal C and PCM terminal 2AA PCM malfunction |

Diagnostic procedure

| STEP | INSPECTION | ACTION |
|------|------------|----------------------|
| | Yes | Go to the next step. |

| | | | |
|---|--|-----|--|
| 1 | VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has FREEZE FRAME DATA been recorded? | 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 FOR POOR CONNECTION • Turn the ignition switch off. • 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 8. |
| | | No | Go to the next step. |
| 4 | INSPECT TP SENSOR CIRCUIT FOR SHORT TO GND • Turn the ignition switch off. • Inspect for continuity between the following terminals: - TP sensor terminal A (wiring harness-side) and body GND - TP sensor terminal C (wiring harness-side) and body GND • Is there continuity? | Yes | Repair or replace the wiring harness for a possible short to GND, then go to Step 8. |
| | | No | Go to the next step. |
| 5 | INSPECT TP SENSOR • Inspect the TP sensor. (See THROTTLE POSITION (TP) SENSOR INSPECTION [ZJ, Z6].) • Is there any malfunction? | Yes | Replace the TP sensor, then go to Step 8. (See THROTTLE POSITION (TP) SENSOR REMOVAL/INSTALLATION [ZJ, Z6].) |
| | | No | Go to the next step. |
| 6 | INSPECT PCM CONNECTOR FOR POOR CONNECTION • Turn the ignition switch off. • Disconnect the PCM 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 8. |
| | | No | Go to the next step. |
| 7 | INSPECT TP SENSOR CIRCUIT FOR OPEN CIRCUIT • Turn the ignition switch off. • Inspect for continuity between the following terminals: - TP sensor terminal A (wiring harness-side) and PCM terminal 2W (wiring harness-side) - TP sensor terminal C (wiring harness-side) and PCM terminal 2AA (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. |
| 8 | VERIFY TROUBLESHOOTING OF DTC P0122 COMPLETED • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the WDS or equivalent. • Start the engine. | Yes | Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [ZJ, Z6].) |
| | | No | Go to the next step. |

| | | | |
|---|---|-----|---|
| | • Is the same DTC present? | | |
| 9 | VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none">• Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [ZJ, Z6].)• Are any DTCs present? | Yes | Go to the applicable DTC inspection. (See DTC TABLE [ZJ, Z6] .) |
| | | No | DTC troubleshooting completed. |