

## THROTTLE POSITION (TP) SENSOR INSPECTION[L3 Turbo]

id0140b6802700

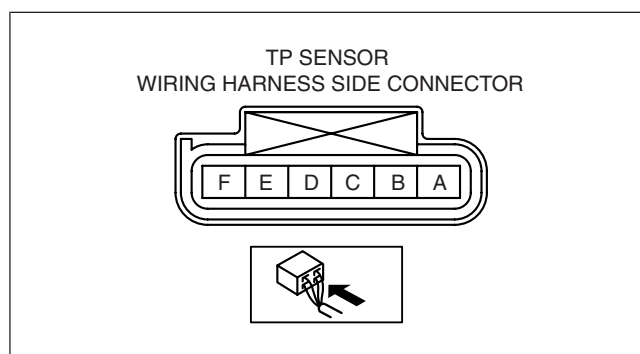
### Note

- Before performing the following inspection, make sure to follow the procedure as indicated in the troubleshooting flowchart. (See HOW TO USE THIS MANUAL.)

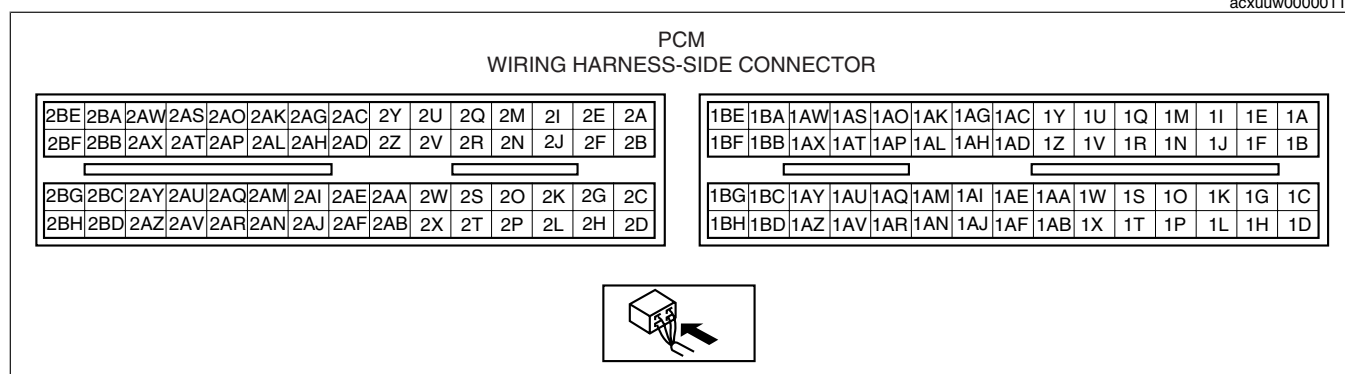
### Voltage inspection

1. Turn the ignition switch to the ON position.
2. Verify that the TP sensor output voltage (M-MDS PID: TP1, TP2) is within the specification. (See PCM INSPECTION[L3 Turbo].)
  - If not within the specification, replace the throttle body. (See INTAKE AIR SYSTEM REMOVAL/INSTALLATION[L3 Turbo].)
  - If the monitor item condition/specification (reference) is not within the specification, even though there is no malfunction, perform the "Circuit Open/Short Inspection".

### Circuit Open/Short Inspection



acxuuvw00000110



acxuuvw00000108

1. Disconnect the PCM connector. (See PCM REMOVAL/INSTALLATION[L3 Turbo].)
2. Inspect the following wiring harnesses for an open or short circuit. (Continuity check)

### Open circuit

- If there is no continuity, there is an open circuit. Repair or replace the wiring harness.
  - Throttle body terminal A and PCM terminal 2AK
  - Throttle body terminal B and PCM terminal 2AO
  - Throttle body terminal C and PCM terminal 2AL
  - Throttle body terminal D and PCM terminal 2AP

### Short circuit

- If there is continuity, there is a short circuit. Repair or replace the wiring harness.
  - Throttle body terminal A and power supply
  - Throttle body terminal A and body ground
  - Throttle body terminal B and body ground
  - Throttle body terminal C and power supply
  - Throttle body terminal C and body ground
  - Throttle body terminal D and power supply