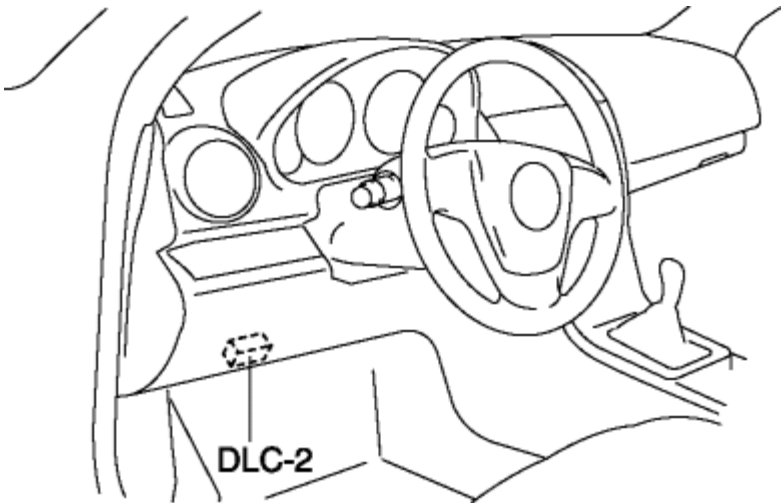


2012 - Mazda6 - Engine

THROTTLE POSITION (TP) SENSOR INSPECTION [MZI 3.7 V6]

NOTE:

- The TP sensor cannot be removed as a single unit. When replacing the TP sensor, replace it together with the throttle body as a single unit.
1. Verify that no DTC related to APP sensor has been detected. (See [ON-BOARD DIAGNOSTIC TEST \[MZI 3.7 V6\]](#).)
 - If any DTCs related to APP sensor have been detected, perform the DTC inspection. (See [DTC TABLE \[MZI 3.7 V6\]](#).)
 2. Connect the M-MDS to the DLC-2.



3. Switch the ignition to ON.
4. Verify that the TP sensor output value (PID: TP1, TP2) is as indicated in the table below according to the condition of the accelerator pedal. (See [ON-BOARD DIAGNOSTIC TEST \[MZI 3.7 V6\]](#).)
 - If it cannot be verified, replace the throttle body. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

TP sensor specification

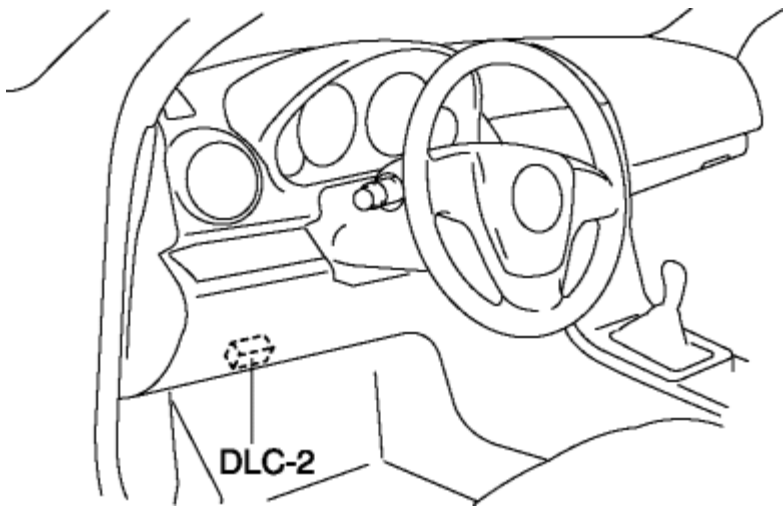
Condition	TP1	TP2
Accelerator pedal is released	3.7—4.7	0.3—1.9
Accelerator pedal is depressed	0.7—2.9	4.1—4.7

2012 - Mazda6 - Engine

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