

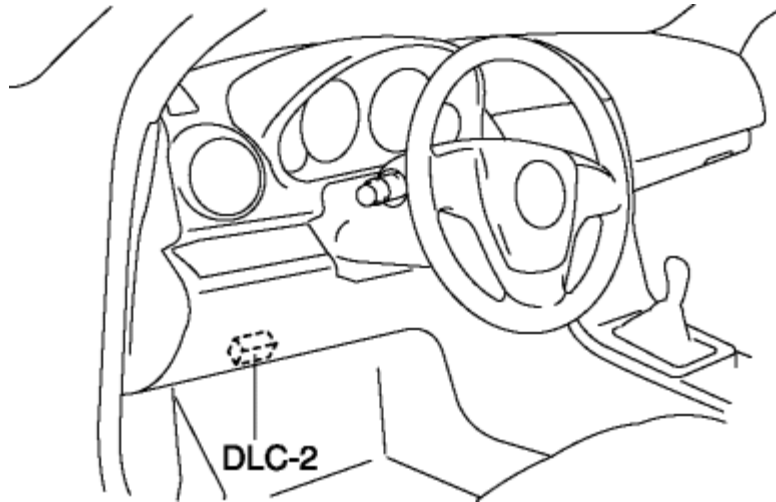
2012 - Mazda6 - Engine

ACCELERATOR PEDAL POSITION (APP) SENSOR INSPECTION [MZI 3.7 V6]

NOTE:

- The APP sensor cannot be removed as a single unit. When replacing the APP sensor, replace it together with the accelerator pedal as a single unit.

1. Connect the M-MDS to the DLC-2.



2. Switch the ignition to ON.

3. Verify that the APP sensor output value (PID: APP1, APP2) change smoothly while throttle valve is gradually depressed. (See [ON-BOARD DIAGNOSTIC TEST \[MZI 3.7 V6\]](#).)

- If verified, go to the next step.
- If not as verified, replace the accelerator pedal. (See [ACCELERATOR PEDAL REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

4. Verify that the APP sensor output value (PID: APP1, APP2) 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 not as verified, replace the accelerator pedal. (See [ACCELERATOR PEDAL REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

APP sensor specification

Condition	APP1 (%)	APP1 (V)	APP2 (%)	APP2 (V)
Accelerator pedal is released	31.0—32.4	1.55—1.62	20.2—21.4	1.01—1.07
Accelerator pedal is depressed	69.8—81.8	3.49—4.09	58.8—70.8	2.94—3.54

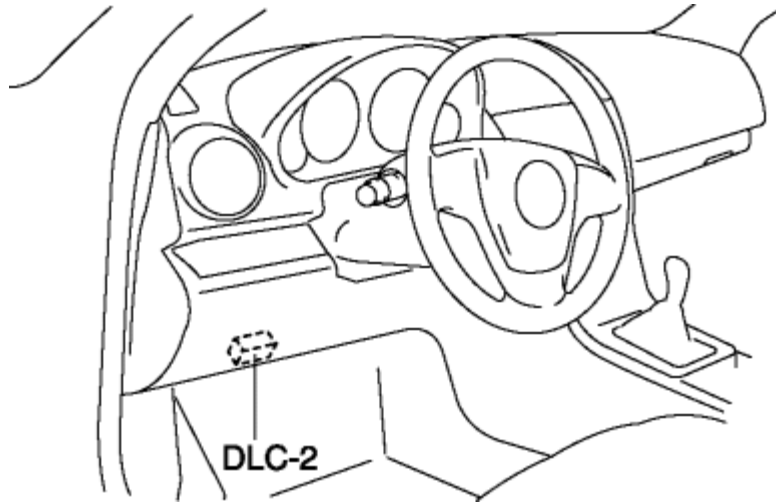
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