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| Subject: ACCELERATOR PEDAL, KICK-DOWN SWITCH OPERATION | Service Alert No.: SA-010/24 |
| | Last Issued : 02/09/2024 |

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024 CX-90

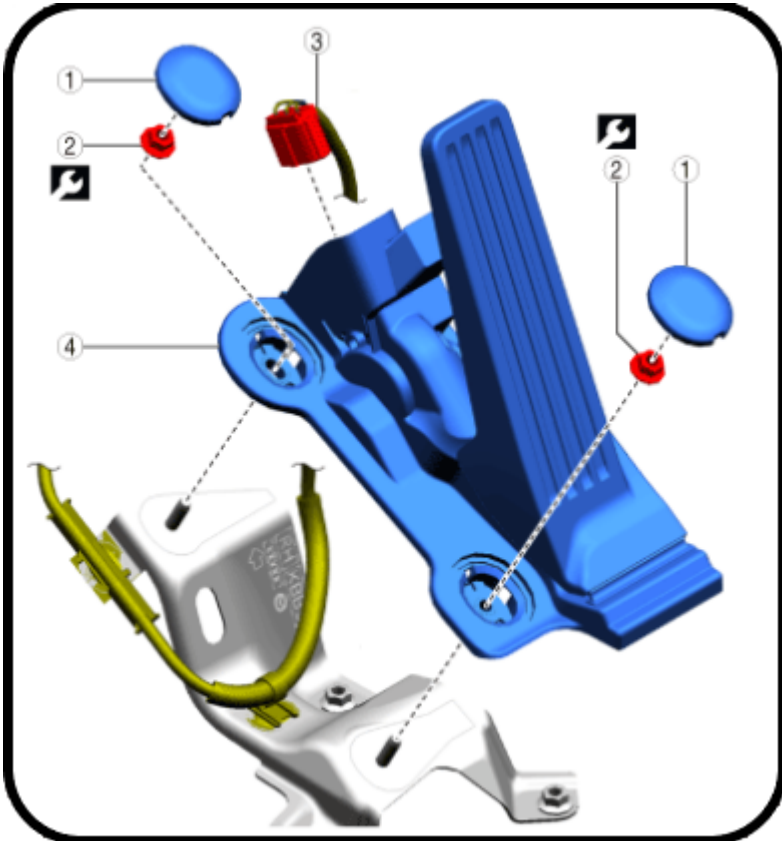
DESCRIPTION

A kick-down switch has been adopted to determine when the customer has fully depressed the throttle pedal for maximum acceleration. A load can be felt while the accelerator pedal is being depressed. When the accelerator pedal is depressed further, the kick-down switch is activated and a click is felt. The driver can control the kick-down by knowing the amount of accelerator depression. An electrical signal is not transmitted by the kick-down switch turning on/off.

Accelerator Pedal:

- The driver's intention to start/accelerate can be transmitted by the accelerator pedal depression amount. The engine output required by the driver is proportional to the pedal operation amount.
- The accelerator pedal position sensor is built into the accelerator pedal and detects the accelerator pedal opening angle and transmits it to the PCM.

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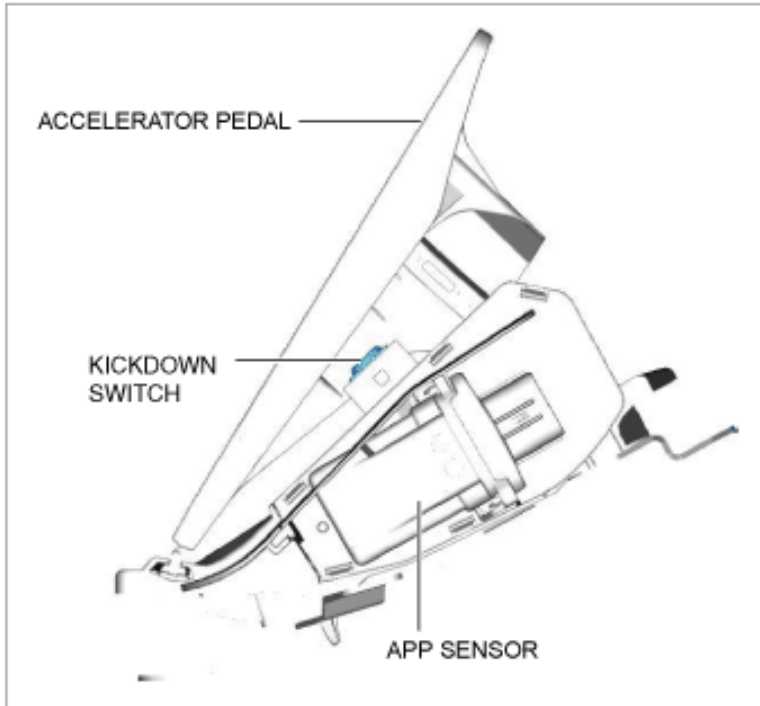
| | |
|----|---|
| 1. | Cover |
| 2. | Nut |
| 3. | Accelerator Pedal Position Sensor Connector |
| 4. | Accelerator Pedal |

NOTE: The kick-down switch does not have an electrical connector.

Kick-down Switch:

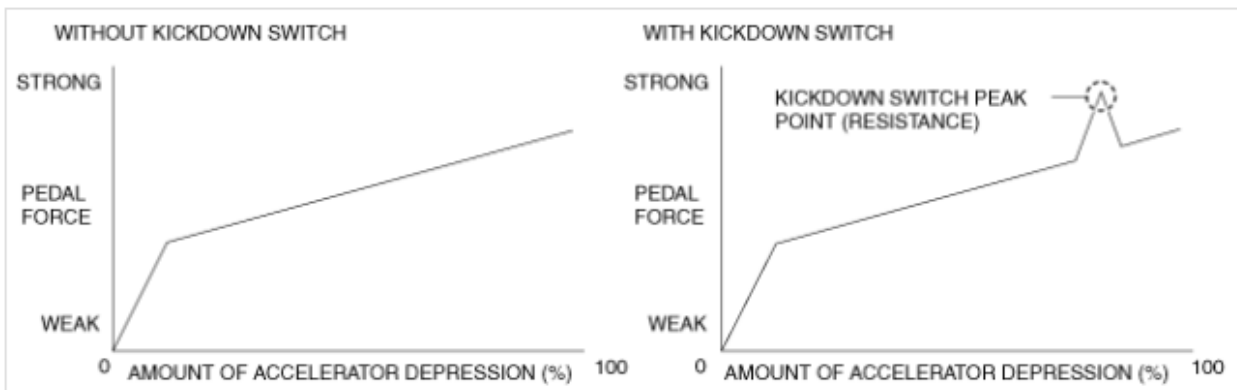
- The kick-down switch gives a feel of resistance as an approximate indication for kick-down operation.

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(NOTE: CX-5 image shown above, CX-90 is similar)

- Resistance can be felt while the accelerator pedal is being depressed. The accelerator pedal depression amount will reach 100% by further depressing the pedal.



- Because the driver can determine the accelerator pedal depression amount from the change in the pedal depression (change in depression force), kick-down control is achieved.
- The kick-down switch is only an approximate indication of the kick-down. An electrical signal is not sent or received by the kick-down switch.

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