

## ACCELERATOR PEDAL, KICKDOWN SWITCH [SKYACTIV-D 2.2]

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### Purpose, Function

- The driver's intentions are transmitted to the PCM via the accelerator pedal.

### Kickdown switch (ATX)\*

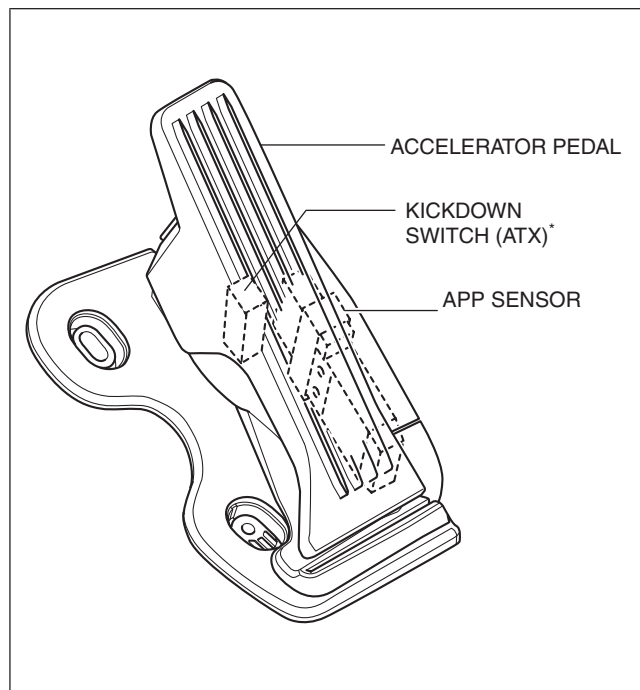
- If the accelerator pedal is depressed carelessly, kickdown control will be implemented based on the accelerator pedal being determined as fully open, and vehicle shock will occur. A kickdown switch has been adopted so that it can be determined that the accelerator pedal is fully open based on the driver's intention of depressing the accelerator pedal for kickdown.

\* : Vehicle identification number (VIN): JM0 KE\*\*\*\*\* 200001-, JM6 KE\*\*\*\*\* 200001-, JM8 KE\*\*\*\*\* 200001-, JMZ KE\*\*\*\*\* 200001-

### Construction

- The accelerator pedal has a built-in APP sensor and kickdown switch (ATX)\*.
- For the APP sensor, refer to CONTROL SYSTEM. (See ACCELERATOR PEDAL POSITION (APP) SENSOR [SKYACTIV-D 2.2].)

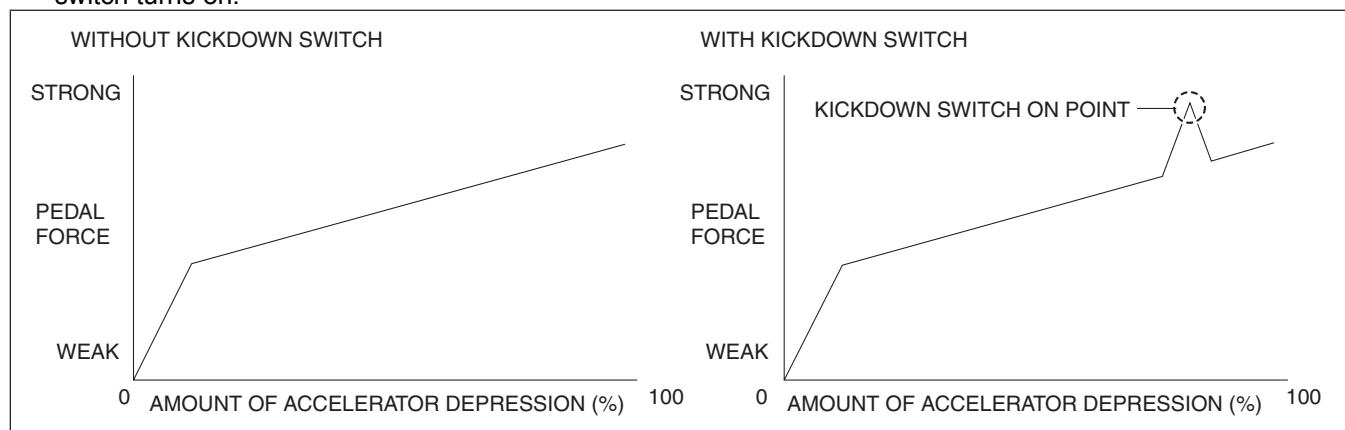
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### Kickdown Switch (ATX)\*

- A load can be felt while the accelerator pedal is being depressed and when it is further depressed the kickdown switch turns on.



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- The driver can control the kickdown by knowing the amount of accelerator depression.
- The kickdown switch is only a measure of the kickdown. An electrical signal is not transmitted by the kickdown switch turning on/off, and vehicle control is not affected.

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