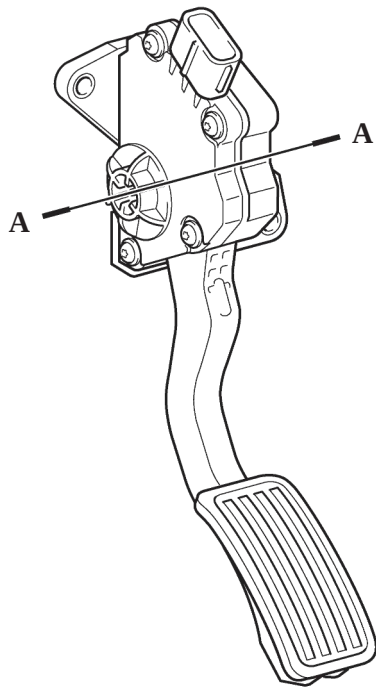


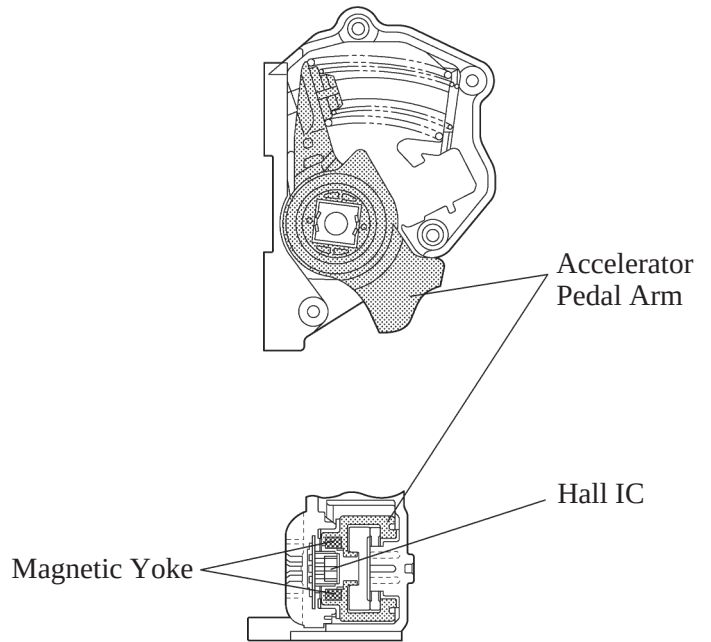
Accelerator Pedal Position Sensor

The non-contact type accelerator pedal position sensor uses a Hall IC.

- D The magnetic yoke that is mounted at the accelerator pedal arm rotates around the Hall IC in accordance with the amount of effort that is applied to the accelerator pedal. The Hall IC converts the changes in the magnetic flux at that time into electrical signals, and outputs them as accelerator pedal effort to the engine ECU.
- D The Hall IC contains circuits for the main and sub signals. It converts the accelerator pedal depressed angles into electric signals with two differing characteristics and outputs them to the engine ECU.



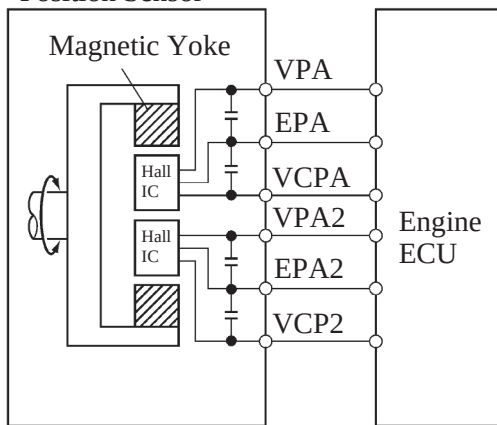
Internal Construction



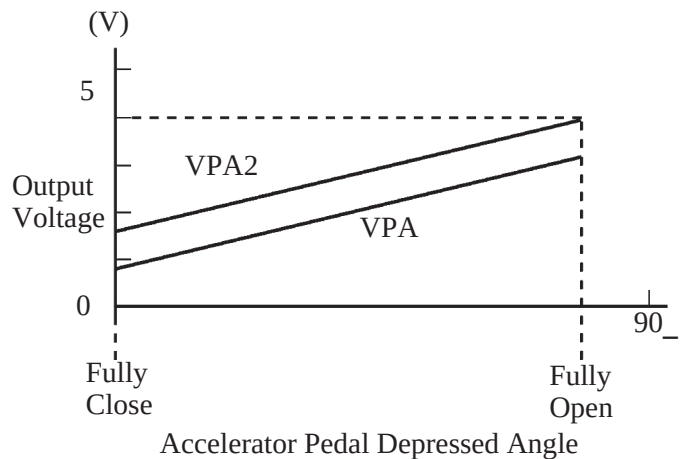
A – A Cross Section

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Accelerator Pedal Position Sensor



228TU24



228TU25

Service Tip

The inspection method differs from the conventional contact type accelerator pedal position sensor because this non-contact type sensor uses a Hall IC. For details, refer to the RAV4 Repair Manual (Pub. No. RM01N0E).