

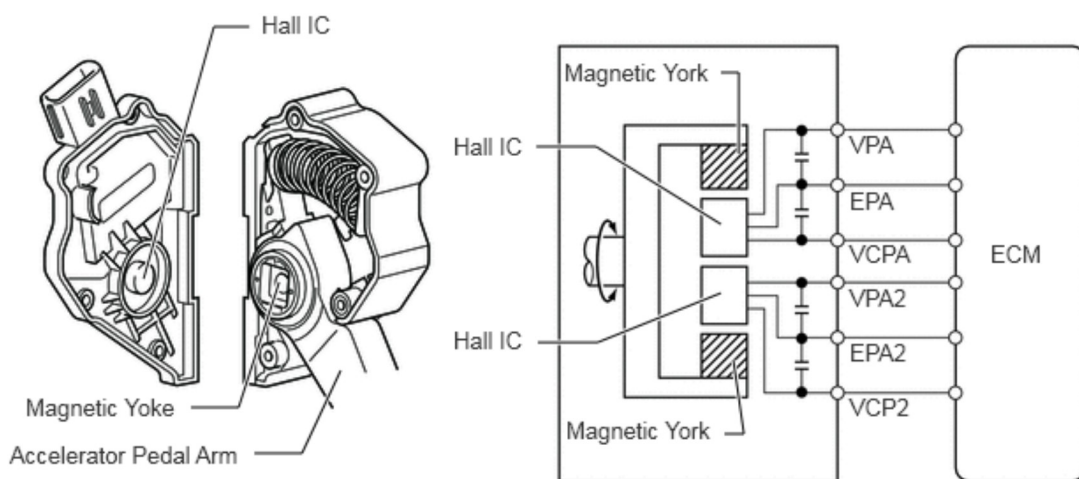
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6AR-FSE ENGINE CONTROL SFI SYSTEM DETAILS ACCELERATOR PEDAL SENSOR

CONSTRUCTION

- a. This non-contact type accelerator pedal position sensor uses a Hall IC, which is mounted on the accelerator pedal arm.
 - i. A magnetic yoke is mounted at the base of the accelerator pedal arm. This yoke 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 magnetic flux that occur into electrical signals, and outputs them in the form of accelerator pedal position signals to the ECM.
 - ii. The Hall IC contains 2 circuits, one for the main signal, and one for the sub signal. It converts the accelerator pedal position (angle) into electric signals that have differing characteristics and outputs them to the ECM.



The illustration shown is an example only.

