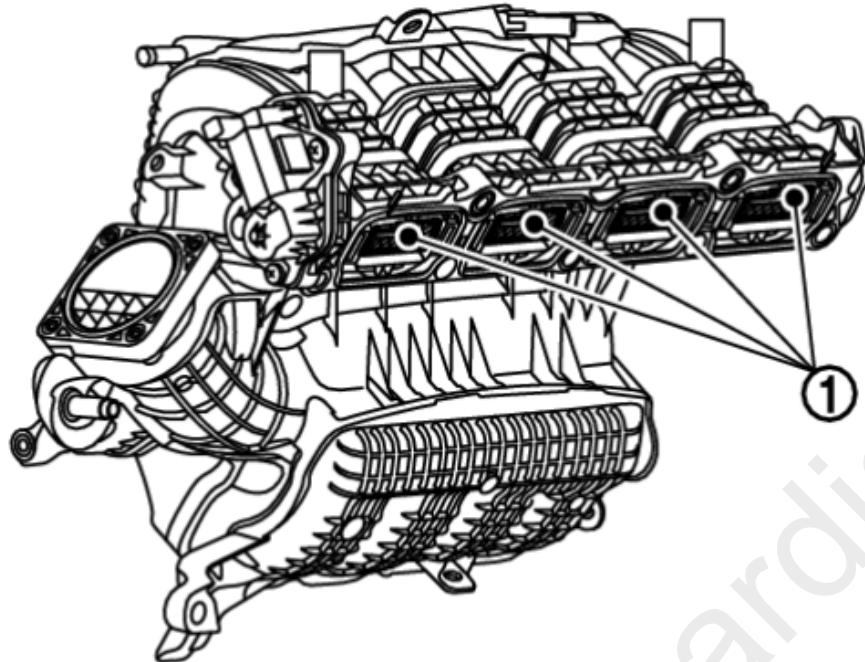


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# Intake Manifold Runner Control Valve

Intake manifold runner control valve ① is integrated to intake manifold.

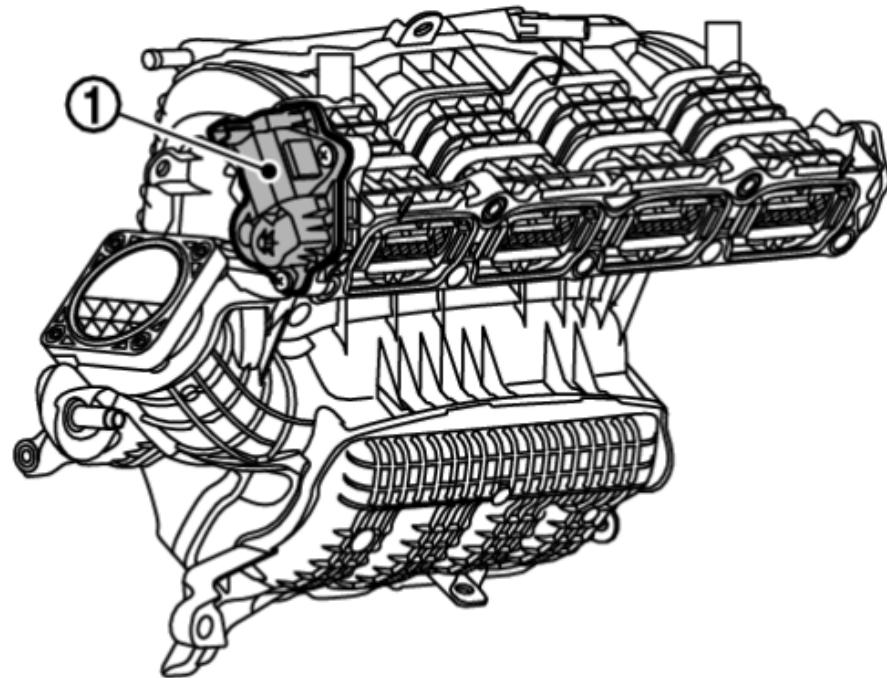


Intake manifold runner control valve is mounted each port of the intake manifold and opened/closed by the intake manifold runner control valve motor.

ECM controls the intake manifold runner control valve motor, according to signals of engine speed, water temperature, etc. and stabilizes combustion by generating a strong tumble flow.

## INTAKE MANIFOLD RUNNER CONTROL VALVE MOTOR

Intake manifold runner control valve motor ① is connected to the rear end of the valve shaft.

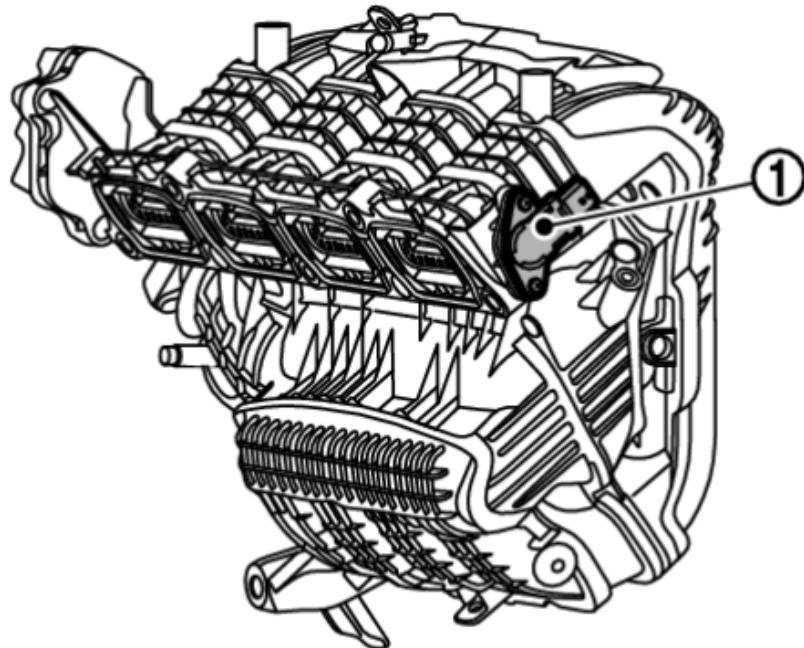


The motor opens or closes the valve by the output signal of the ECM.

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## INTAKE MANIFOLD RUNNER CONTROL VALVE POSITION SENSOR

Intake manifold runner control valve position sensor ① is connected to the front end of the valve shaft.



The sensor consists of variable resistor. It senses the valve shaft movement and feeds the voltage signals to the ECM.