

VARIABLE INTAKE-AIR SOLENOID VALVE CONSTRUCTION/OPERATION [LF]

B3E011318740T02

Construction

- Mainly composed of the solenoid coil, spring, and plunger.

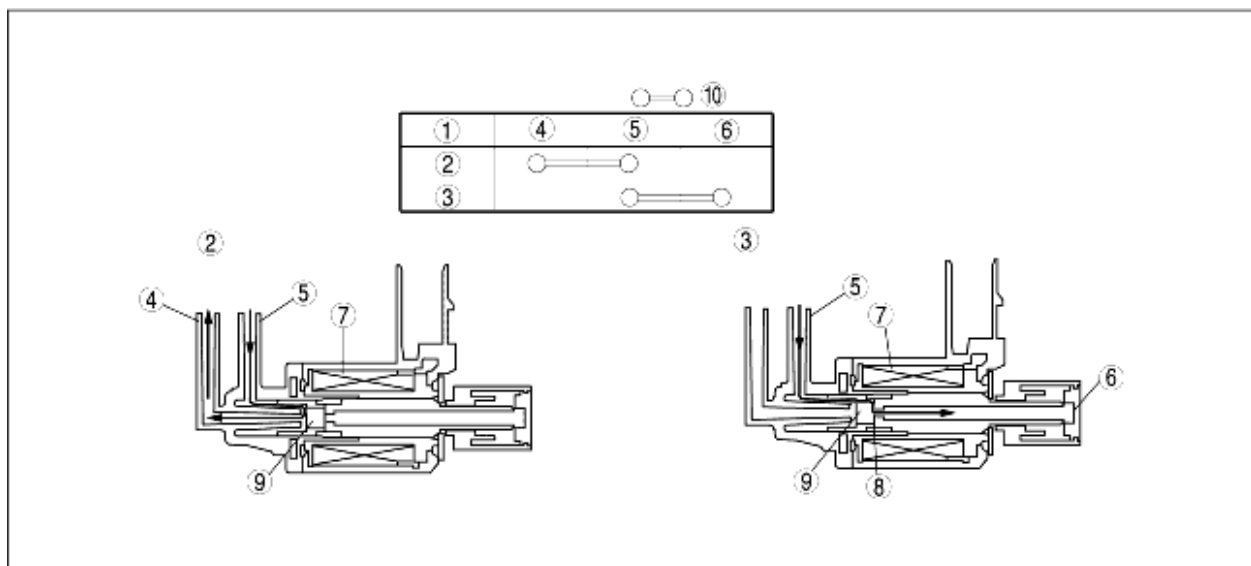
Operation

Energized

- The solenoid coil magnetizes, pulling the plunger. The passage between A and B ports opens due to the plunger being pulled, and intake manifold vacuum is applied to the actuator.

Not energized

- The intake manifold vacuum passage is blocked, and the passage between ports B and C opens, depressurizing the actuator.



B3E0113T115

1	Connected to
2	Energized
3	Not energized
4	Port A (to intake manifold)
5	Port B (to actuator)
6	Port C (to atmospheric air)
7	Solenoid coil
8	Spring
9	Plunger
10	Airflow