

VARIABLE TUMBLE SOLENOID VALVE CONSTRUCTION/OPERATION [LF]

B3E011318740T04

Construction

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

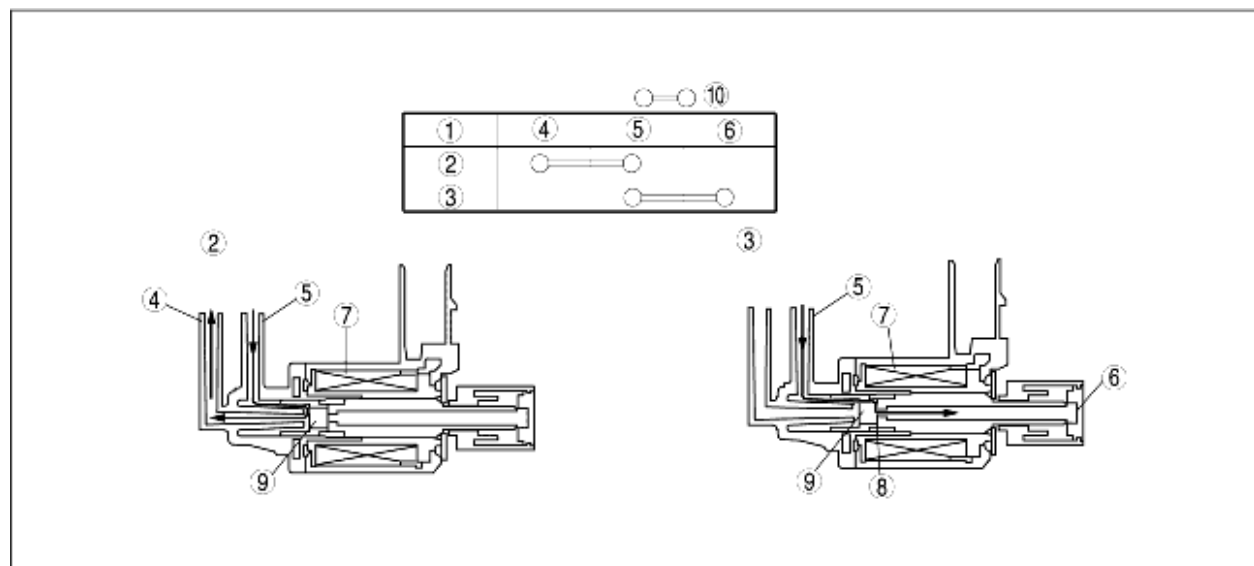
Operation

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 |