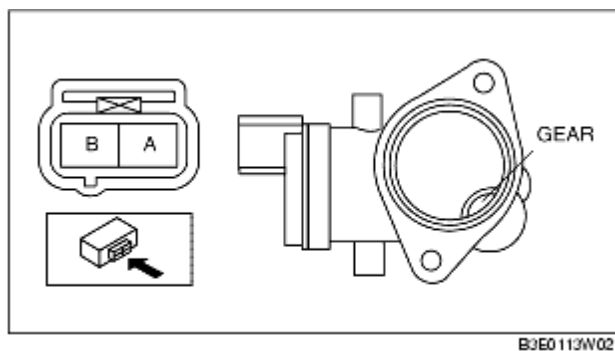


VARIABLE TUMBLE SHUTTER VALVE ACTUATOR INSPECTION [ZJ, Z6]

B3E011320130W04

Operation Inspection

1. Disconnect the negative battery cable.
2. Remove the variable tumble shutter valve actuator.
3. Connect the battery positive voltage to terminal A or B, and verify that the gear moves.



- If there is no malfunction, carry out the "Circuit Open/Short Inspection".
- If there is any malfunction, replace the variable tumble shutter valve actuator.

Terminal		Gear rotation direction
A	B	
B+	GND	Counterclockwise
GND	B+	Clockwise

Circuit Open/Short Inspection

1. Inspect the following wiring harnesses for an open or short circuit. (Continuity check)

Open circuit

- If there is no continuity, the circuit is open. Repair or replace the wiring harness.
- Variable tumble shutter valve actuator terminal A and PCM terminal 2AJ
- Variable tumble shutter valve actuator terminal B and PCM terminal 2AF

Short circuit

- If there is continuity, the circuit is shorted. Repair or replace the wiring harness.
- Variable tumble shutter valve actuator terminal A and power supply
- Variable tumble shutter valve actuator terminal A and body GND
- Variable tumble shutter valve actuator terminal B and power supply
- Variable tumble shutter valve actuator terminal B and body GND