

VARIABLE TUMBLE SOLENOID VALVE INSPECTION [LF]

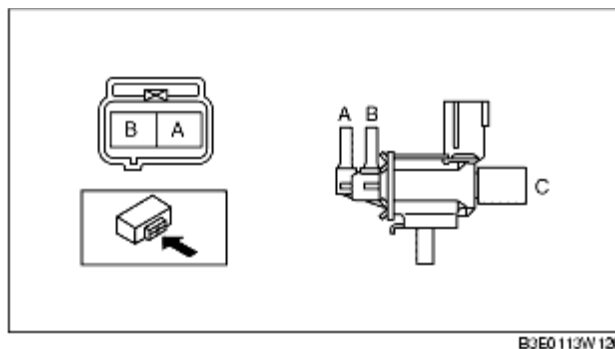
B3E011318740W02

1. Remove the variable tumble solenoid valve. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[LF\]](#).)
2. Inspect airflow between the ports under the following conditions.
 - If not as specified, replace the variable tumble solenoid valve.
 - If as specified, carry out the "Circuit Open/Short Inspection".

Step	Terminal		Port		
	A	B	A	B	C
1				○ — ○	
2	B+	GND	○ — ○		

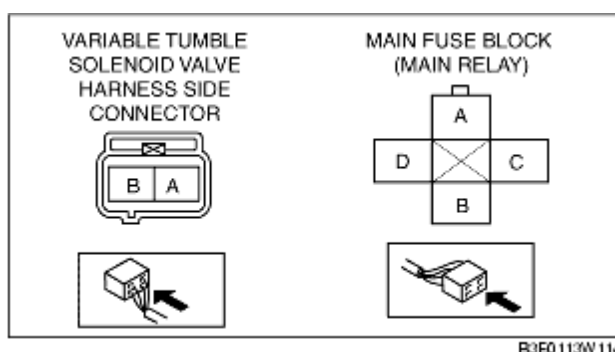
○ — ○ : Airflow

B3E0113W121



Circuit Open/Short Inspection

1. Disconnect the PCM connector. (See [PCM REMOVAL/INSTALLATION \[LF\]](#).)
2. Inspect the following wiring harness for open or short (continuity check).



Open circuit

- If there is no continuity, the circuit is open. Repair or replace the wiring harness.
- Variable tumble solenoid valve terminal B and PCM terminal 2AI
- Variable tumble solenoid valve terminal A and main relay terminal A

Short circuit

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