

## FUEL TANK INSPECTION [ZJ, Z6, LF]

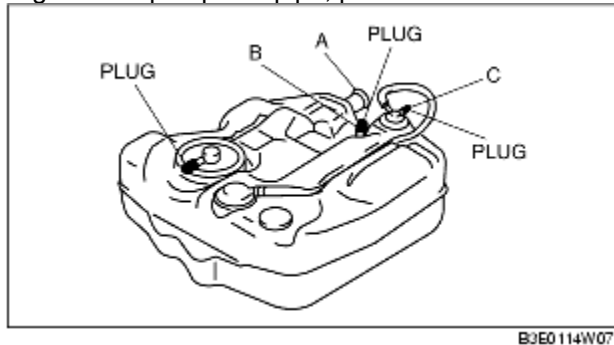
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### Note

- The two rollover valves built into the fuel tank and check valves (two-way) built into the rollover valves are inspected in this inspection.

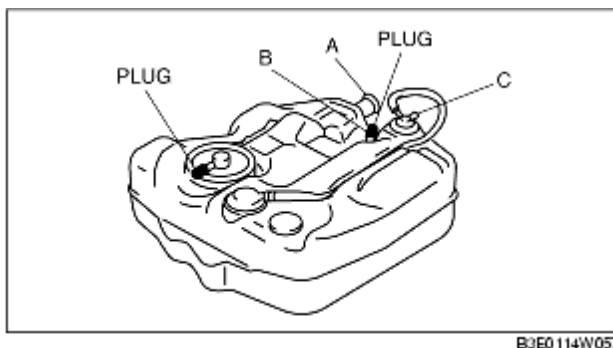
1. Follow "BEFORE SERVICE PRECAUTION" before performing any work operations to prevent fuel from spilling from the fuel system. (See [BEFORE SERVICE PRECAUTION \[ZJ, Z6, LF\]](#).)
2. Disconnect the negative battery cable.
3. Remove the fuel tank. (See [FUEL TANK REMOVAL/INSTALLATION \[ZJ, Z6, LF\]](#).)
4. Perform the following procedure to verify the fuel tank airtightness.

- (1) Plug the fuel pump unit pipe, ports B and C.



- (2) Apply a pressure of **3 kPa {22 mmHg, 0.8 inHg}** to port A and wait for a while.
- (3) Verify that there is no air leakage from the fuel tank.

5. Plug the fuel pump unit pipe and port B.
6. Level the fuel tank.
7. Apply a pressure of **3 kPa {22 mmHg, 0.8 inHg}** to port A and wait for a while.



8. With the pressure still applied, verify that there is airflow from port C and the pressure is **0-3 kPa {0-22 mmHg, 0-0.8 inHg}**.

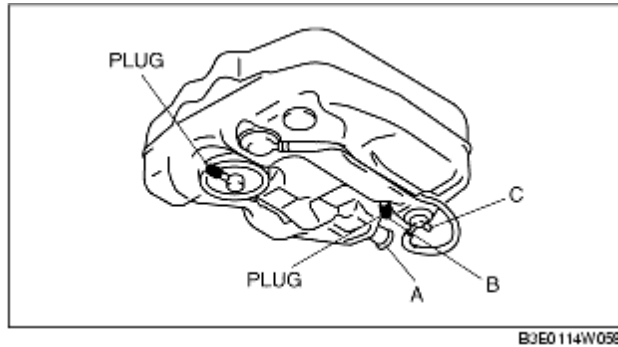
- If there is no airflow, replace the fuel tank.

9. Apply a pressure of **-0.5 kPa {-3.7 mmHg, -0.1 inHg}** to port A and wait for a while.

10. With the pressure still applied, verify that there is airflow from port C and the pressure is **0- -0.5 kPa {0- -3.7 mmHg, 0- -0.1 inHg}**.

- If there is no airflow, replace the fuel tank.
- If there is airflow, place the fuel tank upside down.

11. Apply a pressure of **3 kPa {22 mmHg, 0.8 inHg}** to port A and wait for a while.



12. With the pressure still applied, verify that there is no airflow from port C.

- If there is airflow, replace the fuel tank.