2012 - Mazda6 - Engine

FUEL TANK INSPECTION [MZR 2.5]

NOTE:

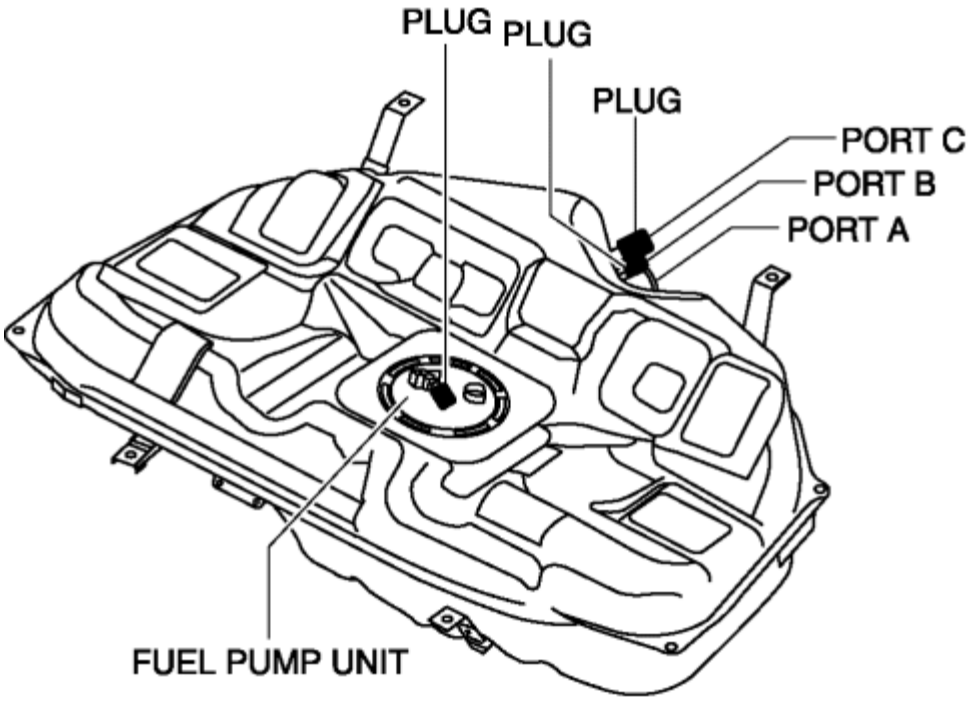
- The rollover valve and the fuel shut-off valve built into the fuel tank and fuel tank leakage are inspected in this inspection.

1. Disconnect the fuel pump unit connector and the fuel hose from the fuel pump unit. (See **FUEL PUMP UNIT REMOVAL/ INSTALLATION [MZR 2.5]**.)

2. Remove the fuel tank with the fuel pump unit and fuel suction pipe bracket still installed. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)

3. Perform the following procedure to verify the fuel tank airtightness.

    a. Plug the fuel pump unit pipe, ports B and C.

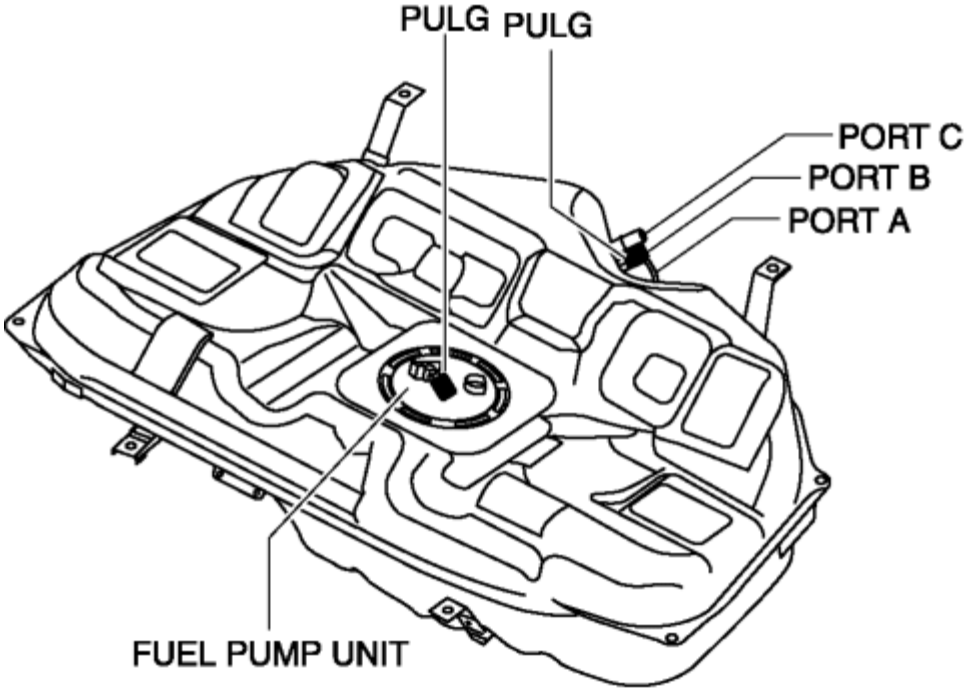


    b. Apply a pressure to port A and wait for a while.

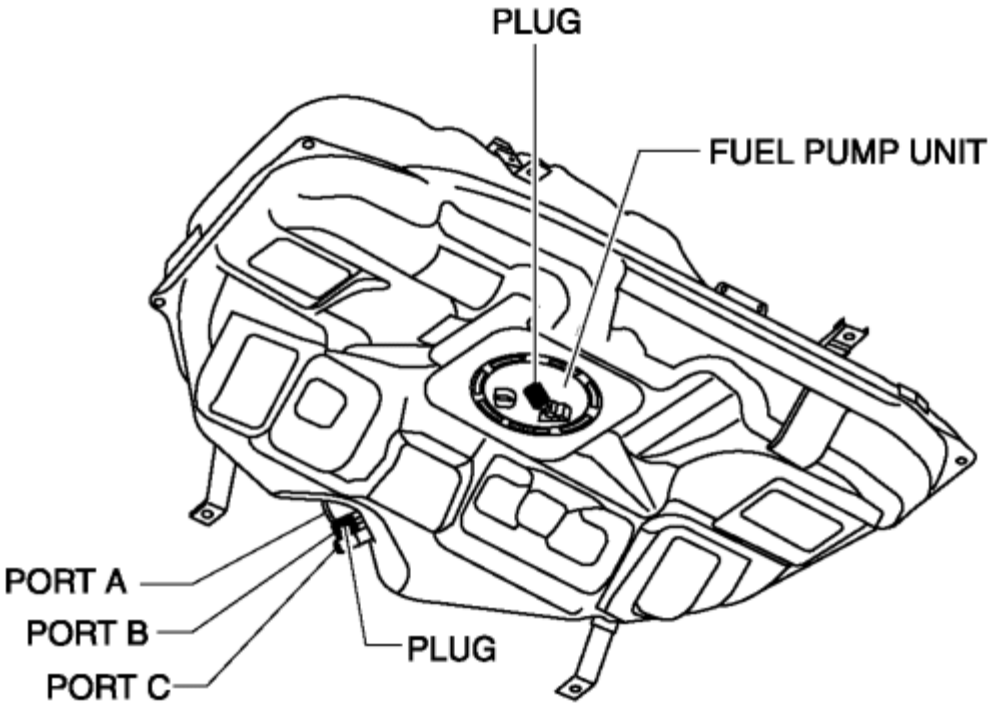
    c. Verify that there is no air flow leakage from the fuel tank.

        - If there is air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)

4. Plug the fuel pump unit pipe and port B.



5. Level the fuel tank.
6. Apply a pressure to port A and wait for a while.
7. With the pressure still applied, verify that there is air flow port C and the pressure.
    - If there is no air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)
    - If there is air flow, place the fuel tank upside down.
8. Apply a pressure to port A and wait for a while.



9. With the pressure still applied, verify that there is no air flow from port C.

If there is air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)

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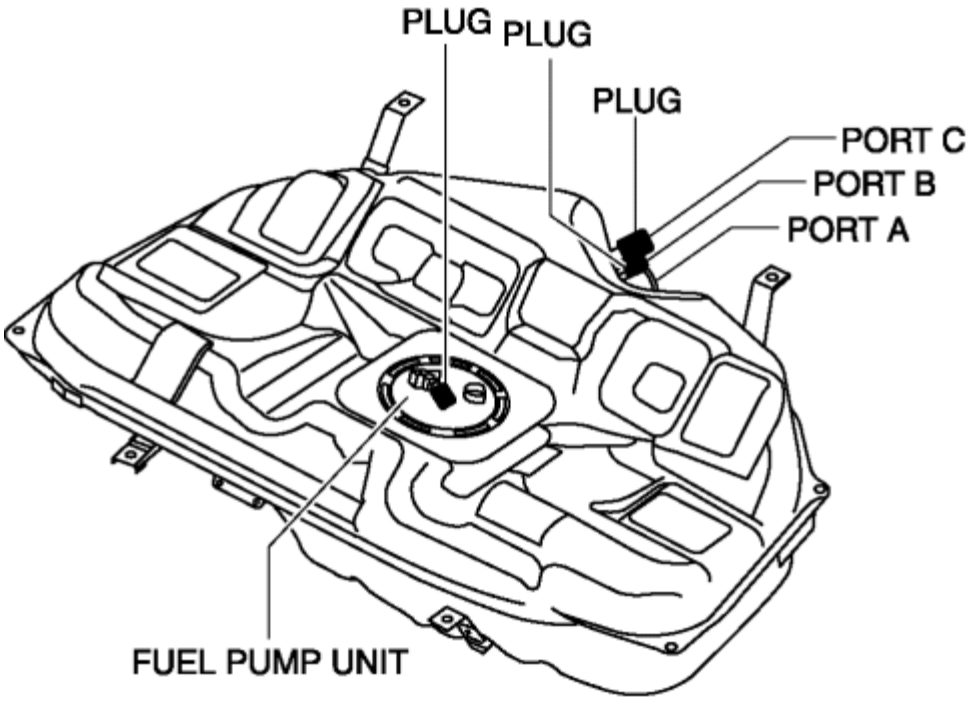
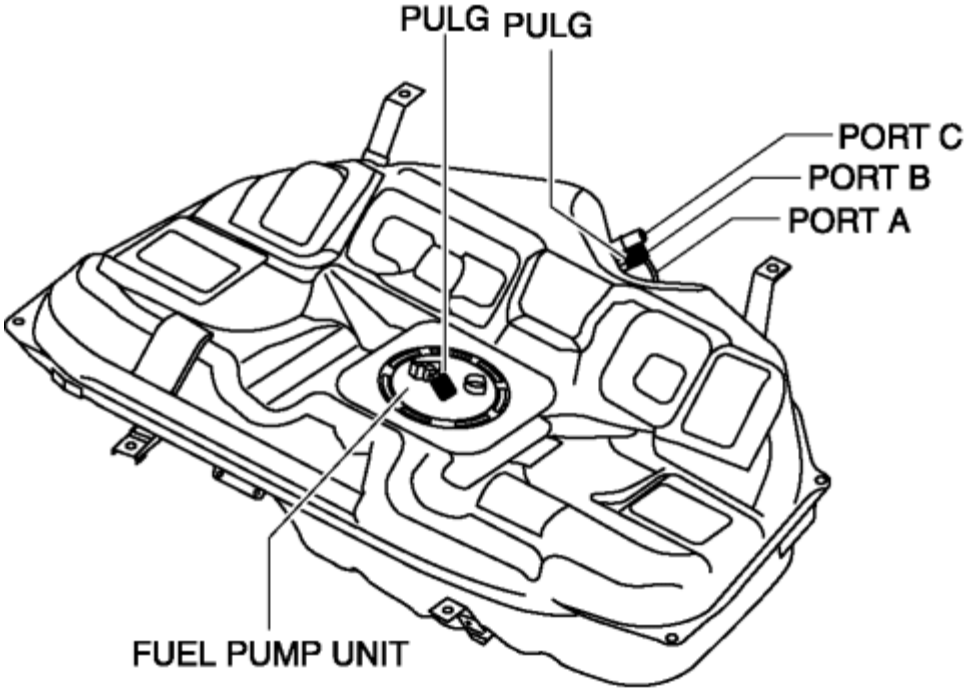


    b. Apply a pressure to port A and wait for a while.

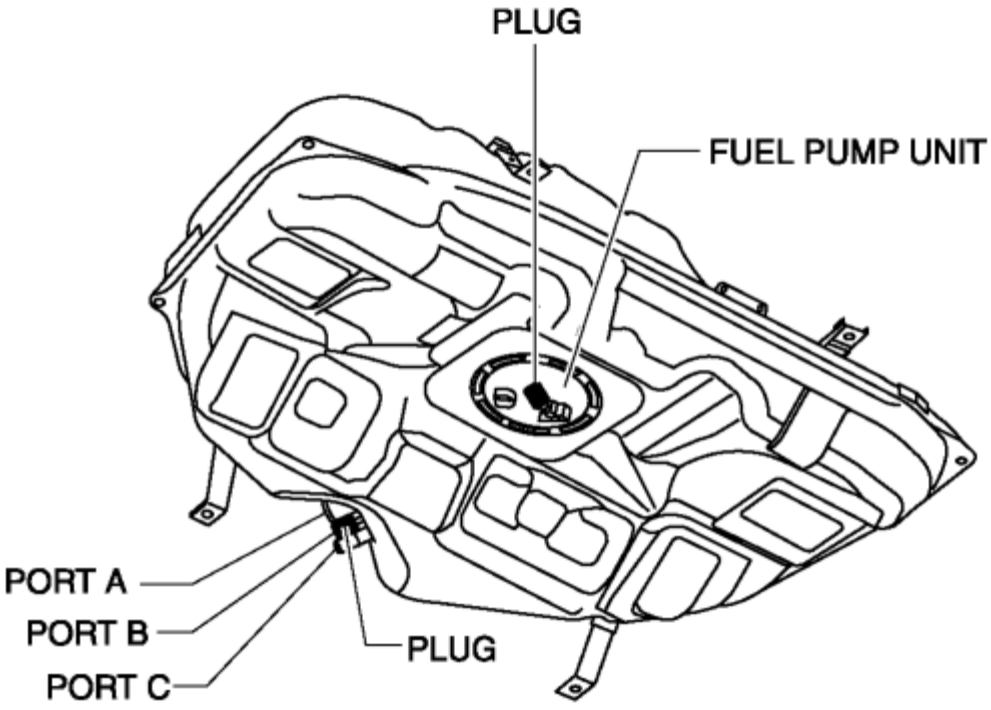
    c. Verify that there is no air flow leakage from the fuel tank.

        - If there is air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)

4. Plug the fuel pump unit pipe and port B.



5. Level the fuel tank.
6. Apply a pressure to port A and wait for a while.
7. With the pressure still applied, verify that there is air flow port C and the pressure.
    - If there is no air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)
    - If there is air flow, place the fuel tank upside down.
8. Apply a pressure to port A and wait for a while.



9. With the pressure still applied, verify that there is no air flow from port C.

If there is air flow, replace the fuel tank. (See **FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5]**.)

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