
FUEL SUPPLY

Click on the applicable bookmark to selected the required model year.

FUEL SUPPLY



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13309000054

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GENERAL INFORMATION

13300010094

The fuel tank is located under the floor below the rear seats.

A fuel cut-off valve has been adopted to prevent fuel from leaking out in the event of a collision.

FUEL TANK

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REMOVAL AND INSTALLATION

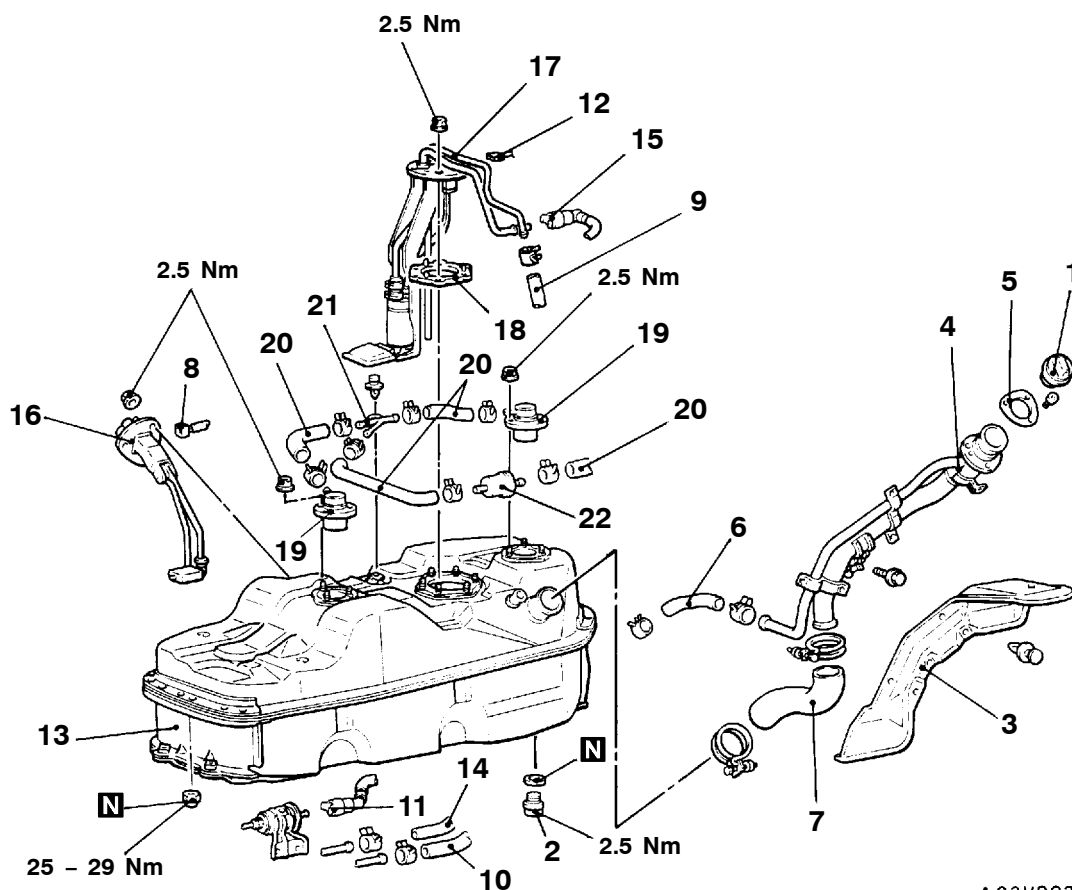
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Pre-removal Operation

- Draining Fuel
- Fuel Line Pressure Reduction
(Refer to GROUP 13A – On-vehicle Service.)

Post-installation Operation

- Refilling Fuel
- Fuel Leakage Inspection



A 03V0039

Removal steps

- | | |
|---|---|
| 1. Fuel filler cap | 12. Fuel pump connector |
| 2. Drain plug | 13. Fuel tank |
| 3. Filler neck protector | 14. Fuel return hose connection
(line side) |
| 4. Filler neck | 15. High-pressure fuel hose connection
(tank side) |
| 5. Packing | 16. Fuel gauge unit |
| 6. Leveling hose | 17. Fuel pump assembly |
| 7. Filler hose | 18. Packing |
| 8. Fuel gauge unit connector | 19. Fuel cut-off valve |
| 9. Return hose connection
(Fuel tank side) | 20. Vapor hose |
| 10. Vapor hose connection (line side) | 21. Connector |
| 11. High-pressure fuel hose connection
(line side) | 22. 2-way valve |



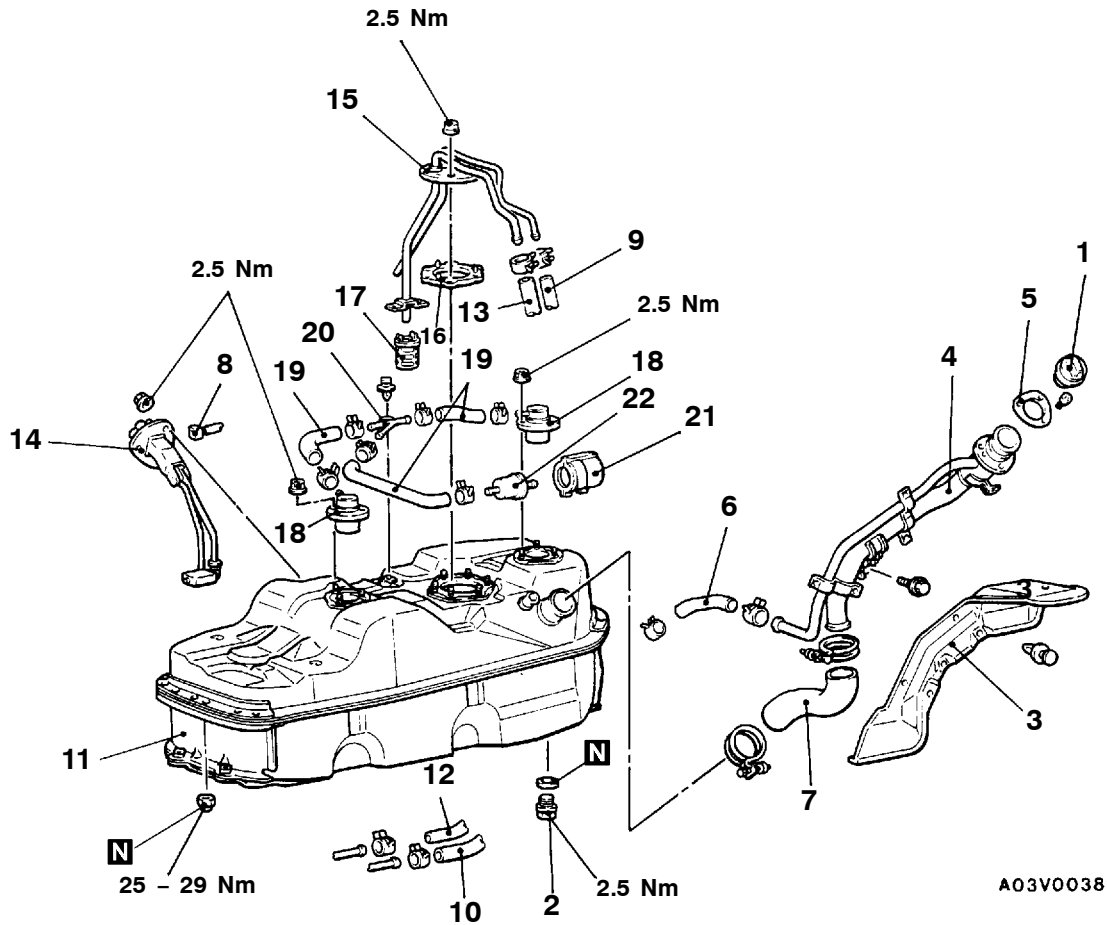
<4D5>

Pre-removal Operation

- Draining Fuel

Post-installation Operation

- Refilling Fuel
- Fuel Leakage Inspection
- Fuel Line Air Bleeding
(Refer to GROUP 13B – On-vehicle Service.)

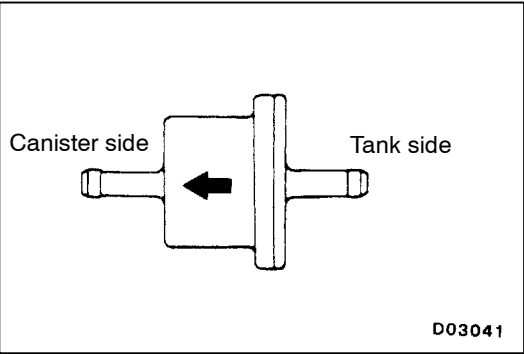


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Removal steps

1. Fuel filler cap
2. Drain plug
3. Filler neck protector
4. Filler neck
5. Packing
6. Leveling hose
7. Filler hose
8. Fuel gauge unit connector
9. Return hose connection (Fuel tank side)
10. Vapor hose connection (line side)
11. Fuel tank
12. Fuel return hose connection (line side)
13. Main hose connection (line side)
14. Fuel gauge unit
15. Fuel pump assembly
16. Packing
17. Fuel filter
18. Fuel cut-off valve
19. Vapor hose
20. Connector
21. Breather case
22. Two-way valve

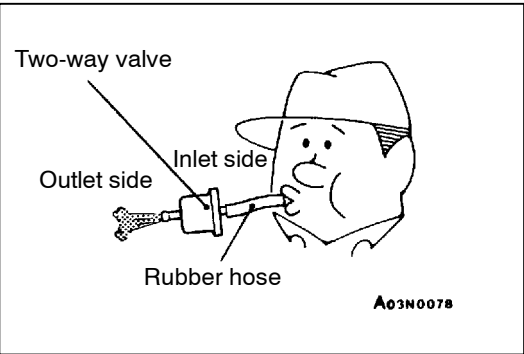




INSTALLATION SERVICE POINTS

►A◄ TWO-WAY VALVE INSTALLATION

Be careful about the installation direction of the two-way valve.



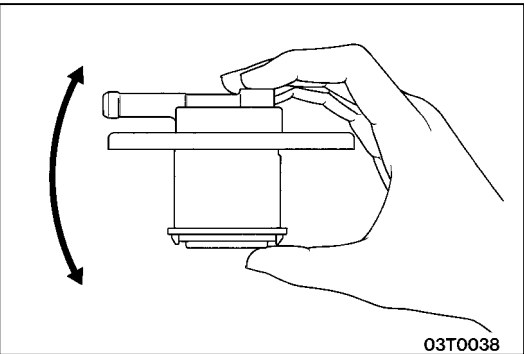
INSPECTION

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TWO-WAY VALVE SIMPLE CHECK

Attach a clean hose and check the operation of the two-way valve.

Lightly blow from inlet side (fuel tank side).	Air passes through with a slight feeling of resistance.
Lightly blow from outlet side.	Air passes through.

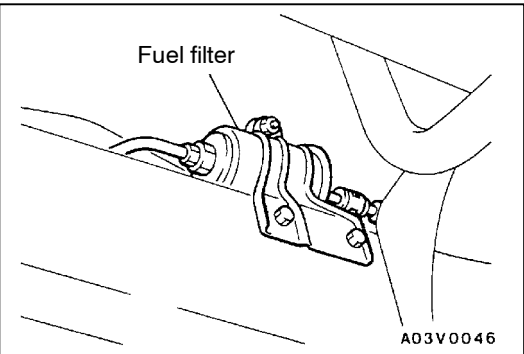


FUEL CUT-OFF VALVE CHECK

If the sound of the float valve moving (knocking sound) can be heard when the valve assembly is gently shaken up and down, then the valve is okay.

FUEL GAUGE UNIT CHECK

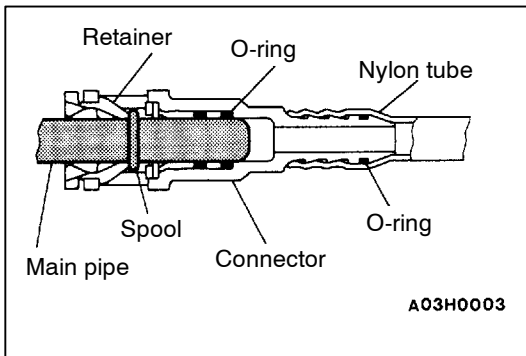
Refer to GROUP 54 – Combination Meter.



FUEL FILTER REPLACEMENT

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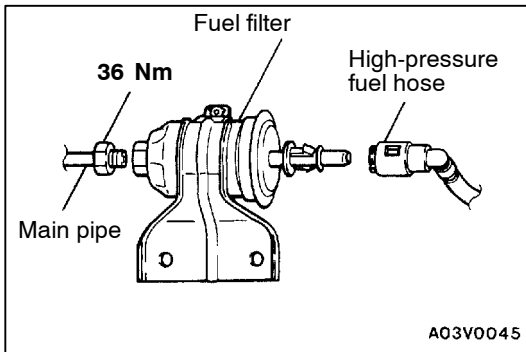
1. Bleed the residual pressure from inside the fuel line. (Refer to GROUP 13A – On-vehicle Service.)



2. Press the high-pressure fuel hose retainer to disengage the connector, and then remove the high-pressure fuel hose.

Caution

As there will be some pressure remaining in the fuel pipe line, cover it with a shop towel to prevent fuel from spraying out.



3. Hold the fuel filter with an adjustable wrench and loosen the flare nut. Then disconnect the main pipe connection.
4. Remove the fuel filter.
5. Install the fuel filter, high-pressure fuel hose and tighten the flare nut of the main pipe to the specified torque.

Tightening torque: 36 Nm

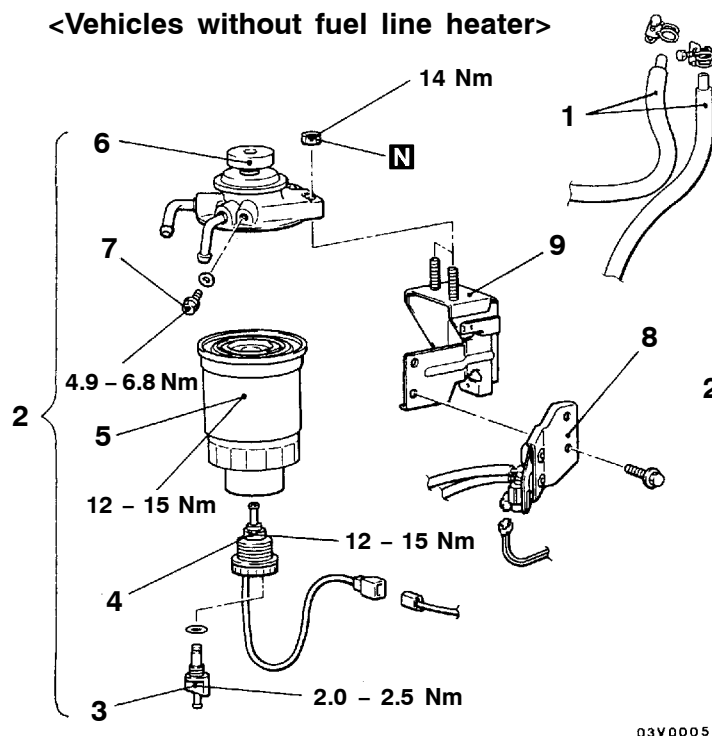
6. After installation, check that there are no fuel leaks.
 - (1) Apply battery voltage to the fuel pump drive terminal to operate the fuel pump. (Refer to GROUP 13A – On-vehicle Service.)
 - (2) Check for leaks when fuel pressure is applied.

FUEL FILTER <4D5>

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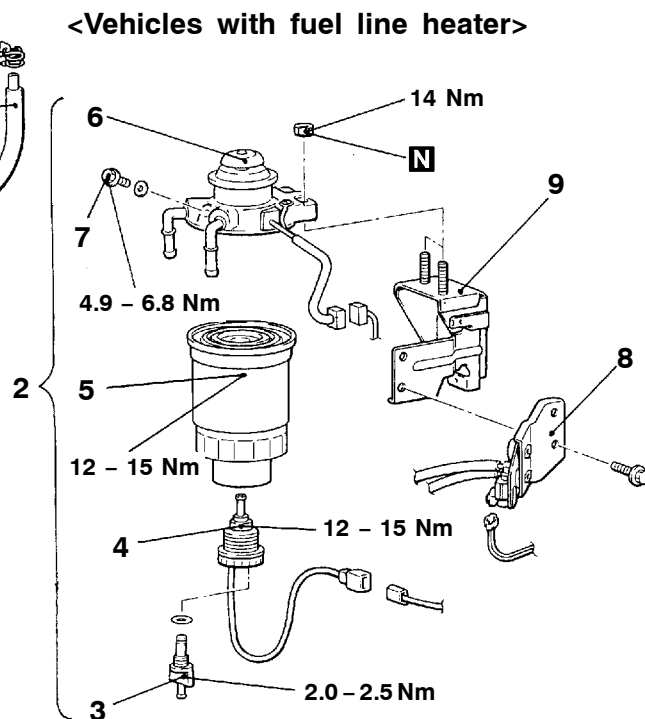
REMOVAL AND INSTALLATION

<Vehicles without fuel line heater>



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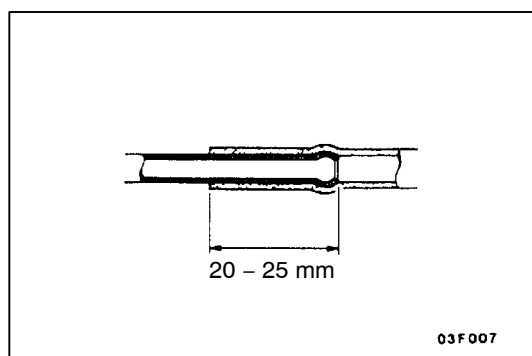
<Vehicles with fuel line heater>

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Removal steps

- Intercooler assembly (Refer to GROUP 15.)
- A◄
1. Main hose connection
 2. Fuel filter
 3. Drain plug
 4. Water level sensor

5. Fuel filter cartridge
6. Fuel filter pump
7. Breather screw
8. Solenoid valve assembly (for A/C)
9. Fuel filter bracket

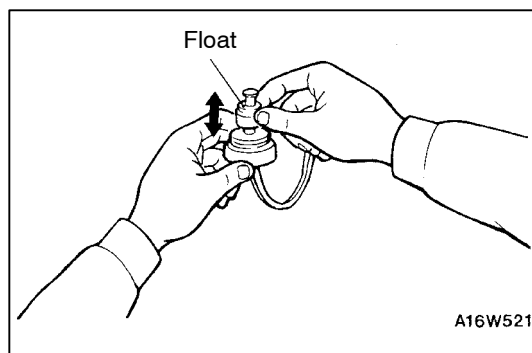


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INSTALLATION SERVICE POINT

►A◄ FUEL MAIN HOSE INSTALLATION

If the pipe has a stepped part, connect securely up to the stepped part. If the pipe has no stepped part, insert so that the inserted portion is 20 - 25 mm long.



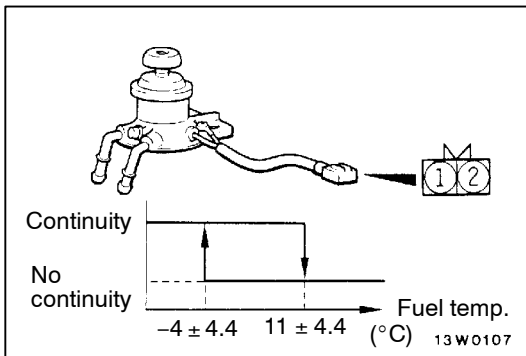
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INSPECTION

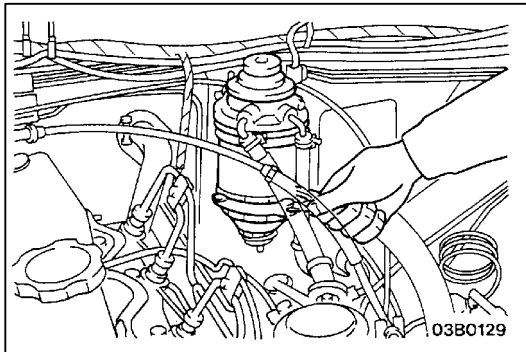
WATER LEVEL SENSOR CHECK

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Connect the circuit tester to the water level sensor connector. The water level sensor is operating correctly if there is continuity when the float is raised, and no continuity when it is lowered.

**FUEL LINE HEATER CONTINUITY CHECK**

There should be continuity between the terminals when the fuel filter pump is cooled -4°C or below and continuity should disappear when the pump is gradually heated. If this is true then the heater is working properly.

**FUEL FILTER CARTRIDGE REPLACEMENT**

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1. Remove the intercooler assembly.
(Refer to GROUP 15.)
2. Remove the fuel tank cap to release the pressure inside the fuel tank.
3. Disconnect the water level sensor connector.
4. Use an oil filter wrench to remove the fuel filter cartridge from the fuel filter pump body.

Caution

Cover with a rag to prevent fuel from spraying out.

5. Install a new filter, and bleed the air from fuel line.
(Refer to GROUP 13B – On-vehicle Service.)
6. Start the engine, and check that there are no fuel leakage.

NOTES