

GENERAL INFORMATION

- The steel fuel tank is located under the floor of the rear seats to provide increased safety and increase the amount of luggage compartment space.
- The fuel tank has been equipped with a valve assembly which incorporates a fuel cut-off valve to prevent fuel from leaking out in the event of a collision for adjusting the pressure inside the fuel tank.
- The fuel pump module contains a fuel pump, fuel filter and fuel pressure regulator.

SEALANT

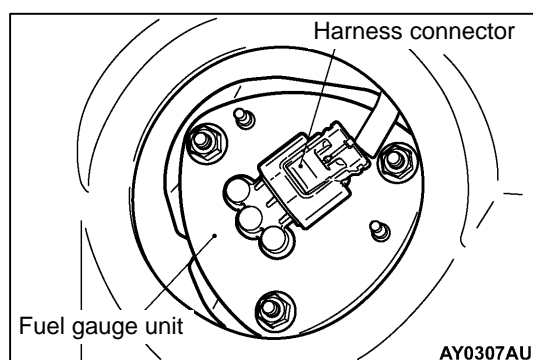
Item	Specified sealant
Service hole cover and floor pan	3M 8513 Grommated windshield sealer (Black)

ON-VEHICLE SERVICE

FUEL GAUGE UNIT

1. FUEL GAUGE UNIT CHECK

Refer to [Combination Meter](#).



2. FUEL GAUGE UNIT REPLACEMENT

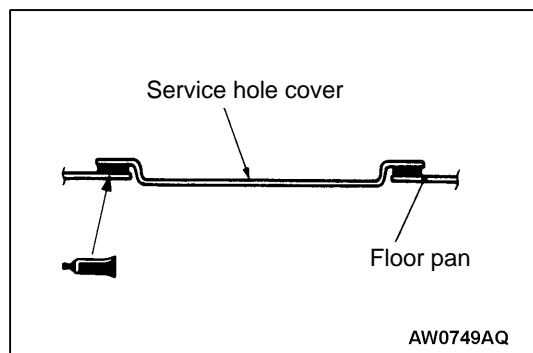
- (1) Remove the [rear seat cushion assembly](#).
- (2) Remove the service hole cover.
- (3) Disconnect the harness connector.
- (4) Unscrew the mounting nuts to remove the fuel gauge unit.
- (5) Install the new fuel gauge unit. Tighten the mounting nuts to the specified torque.

Specified torque: $2.5 \pm 0.5 \text{ N}\cdot\text{m}$

- (6) Connect the harness connector.
- (7) Apply the specified sealant to the contact surfaces of the service hole cover and the floor pan, and install the service hole cover.

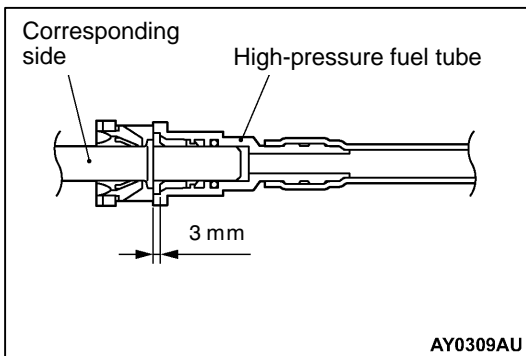
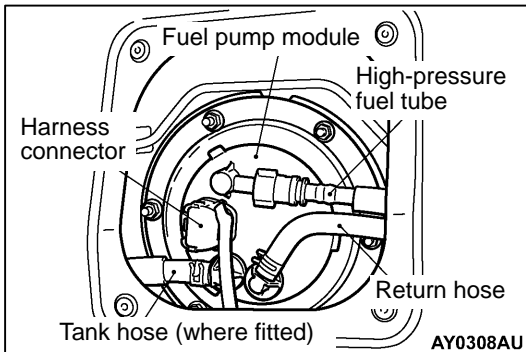
**Specified sealant: 3M 8513
Grommated Windshield Sealer (Black)**

- (8) Install the [rear seat cushion assembly](#).



FUEL PUMP MODULE**1. FUEL PUMP OPERATION CHECK**

Refer to [On-vehicle Service](#)

**2. FUEL PUMP MODULE REPLACEMENT**

- (1) Remove the [rear seat cushion assembly](#).
- (2) Remove the service hole cover.
- (3) Disconnect the harness connector, high-pressure fuel tube and fuel hose.
- (4) Unscrew the mounting nuts to remove the fuel pump module.
- (5) [Replace the fuel pump.](#)
- (6) Install the fuel pump module. Tighten the mounting nuts to the specified torque.

Specified torque: $2.5 \pm 0.5 \text{ N}\cdot\text{m}$

- (7) Connect the harness connector, high-pressure fuel tube and fuel hose.

Caution

Snap the high-pressure fuel hose one-touch joint into place, then pull back slightly on the hose to assure it is securely fitted. However, the connection should have a play of approx. 3 mm.

- (8) Install the service hole cover.
- (9) Install the [rear seat cushion assembly](#).

FUEL TANK

REMOVAL AND INSTALLATION

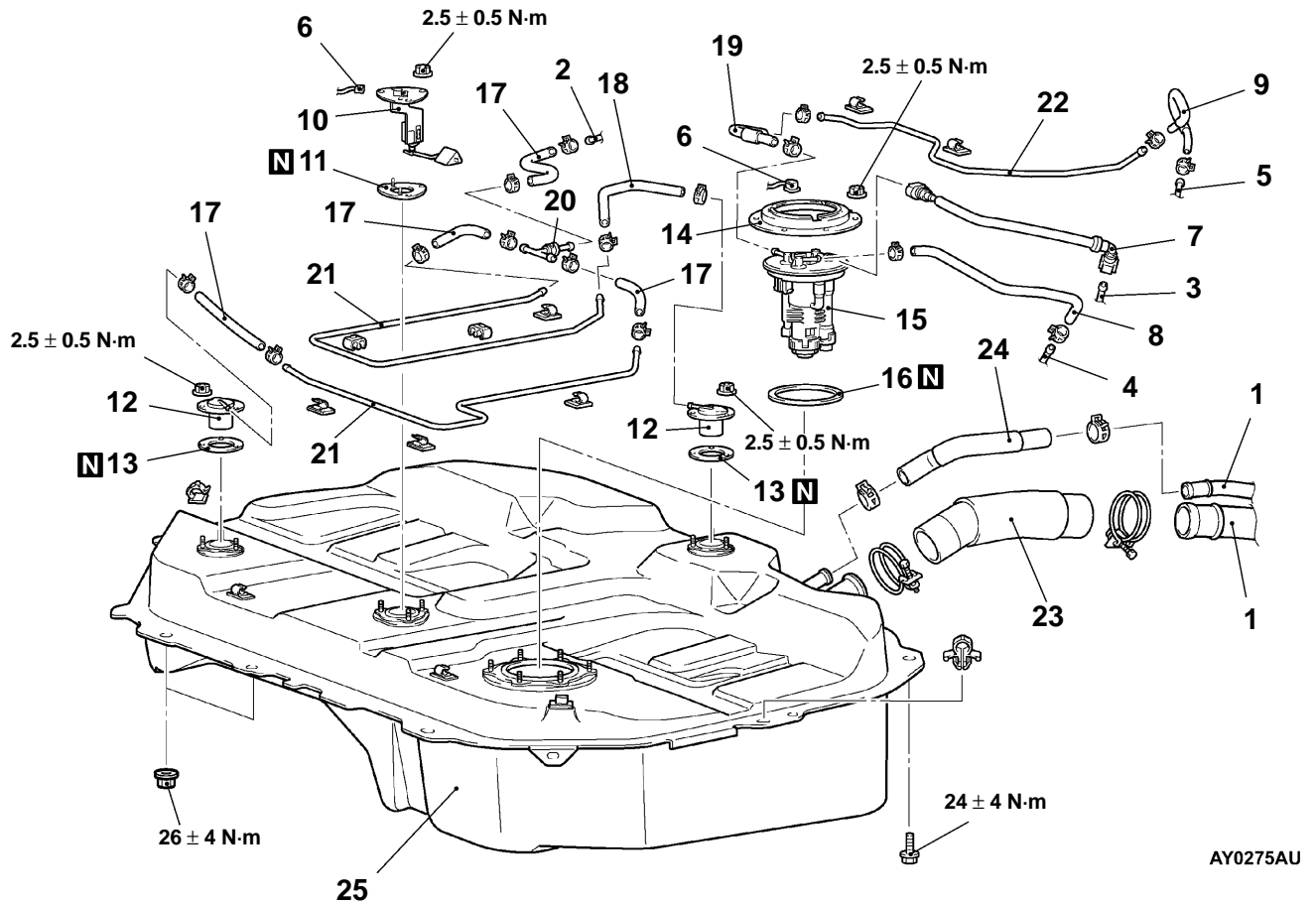
Pre-removal Operation

- Draining Fuel
- Fuel Pump Connector Disconnection
(How To Reduce Fuel Pressure)
(Refer to [On-vehicle Service.](#))
- [Center Exhaust Pipe Removal](#)

Post-installation Operation

- [Center Exhaust Pipe Installation](#)
- Refilling Fuel
- Checking for Fuel Leaks

<MPI>



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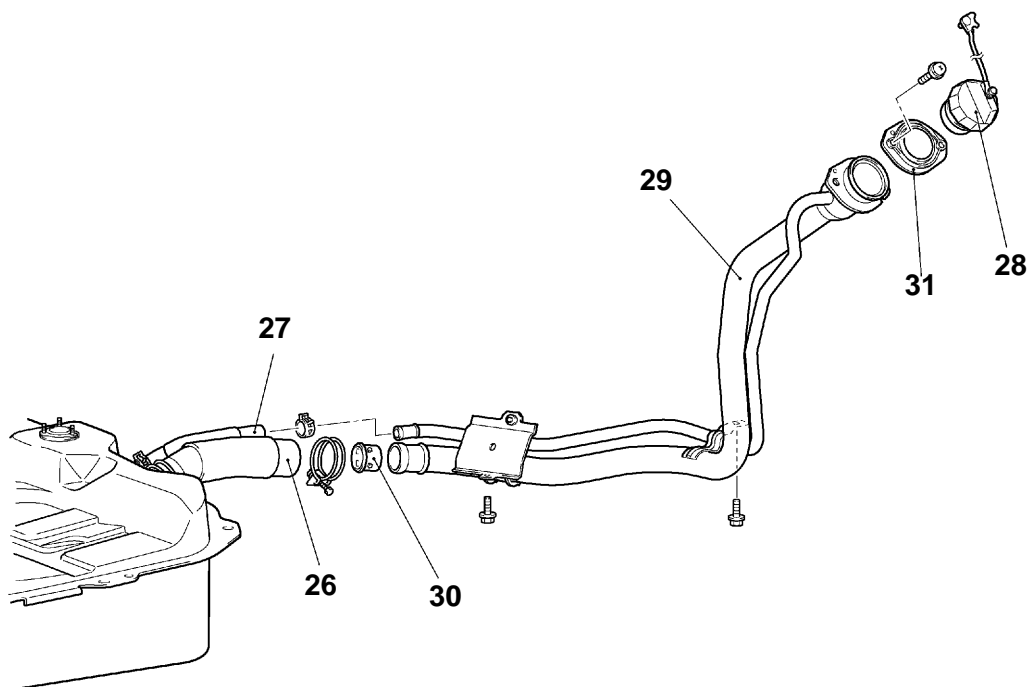
Removal steps <Fuel tank assembly>

1. Filler neck assembly connection
2. Vapour pipe connection <MPI>
3. Main pipe connection
4. Return pipe connection
5. Return pipe connection <where fitted>
 - [Parking brake cable clamp \(LH\) connection.](#)
 - Rear wheel speed sensor (RH) connection
(Refer to [Wheel speed sensor.](#))
 - Rear wheel speed sensor harness connector connection
(Refer to [Wheel speed sensor.](#))
6. Fuel tank harness connector connection
 - Fuel tank assembly
7. High-pressure fuel hose <MPI>
8. Return hose
9. Return hose <where fitted>
10. Fuel gauge unit
11. Parking
12. Fuel cut off valve assembly
13. Parking
14. Plate <MPI>
15. Fuel pump module <MPI>
16. Parking
17. Tank vapour hose
18. Tank vapour hose <MPI>
19. Tank return hose <where fitted>
20. Fuel check valve assembly
21. Tank vapour pipe
22. Tank return pipe <where fitted>
23. Filler neck hose
24. Filler neck vapour hose
25. Fuel tank

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Removal steps <Filler neck assembly>

- 26. Filler neck hose connection
- 27. Filler neck vapour hose connection
- 28. Fuel filler cap

- 29. Fuel filler neck assembly
- 30. Fuel shut-off valve
- 31. Parking

REMOVAL SERVICE POINT

◀A▶ FUEL TANK HARNESS CONNECTOR DISCONNECTION

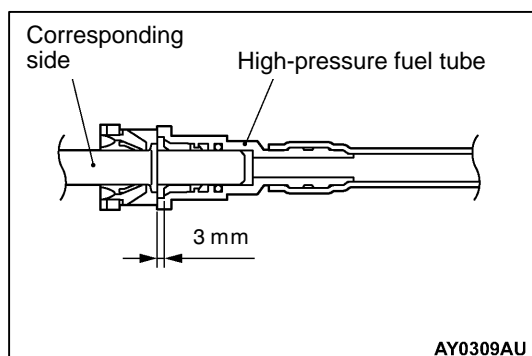
Lower the fuel tank until the fuel tank harness connectors can be disconnected.

INSTALLATION SERVICE POINT

▶A◀ HIGH-PRESSURE FUEL HOSE INSTALLATION

Caution

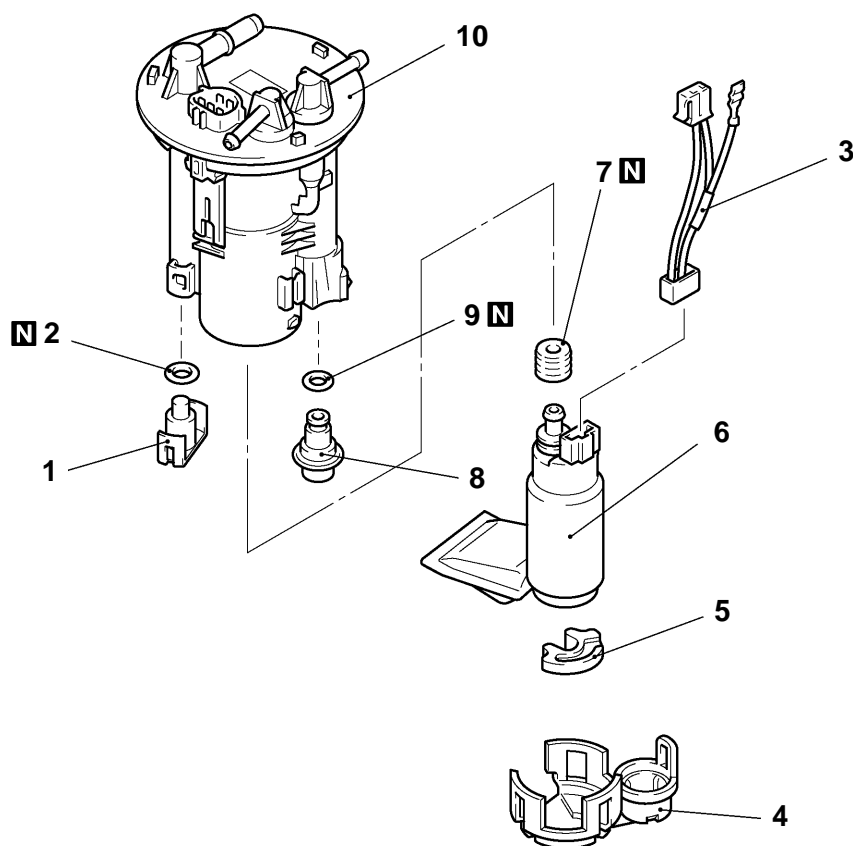
Snap the high-pressure fuel hose one-touch joint into place, then pull back slightly on the hose to assure it is securely fitted. However, the connection should have a play of approx. 3 mm.



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DISASSEMBLY AND REASSEMBLY

FUEL PUMP MODULE <MPI>



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Removal steps

- | | |
|--|---|
| <p>►A◀ 1. Cap</p> <p>2. O-ring</p> <p>3. Pump harness</p> <p>4. Fuel pump bracket</p> <p>5. Fuel pump cushion</p> <p>6. Fuel pump (low-pressure)</p> | <p>►A◀ 7. Grommet</p> <p>8. Fuel pressure regulator (low-pressure) <where fitted></p> <p>►A◀ 9. O-ring <where fitted></p> <p>10. Fuel filter assembly</p> |
|--|---|

INSTALLATION SERVICE POINT

►A◀ O-RING/GROMMET INSTALLATION

Apply a fuel to O-ring and grommet before installing them, to prevent them from being damaged or twisted.