
GROUP 13B

FUEL SUPPLY

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GENERAL INFORMATION

- The fuel tank assembly is located under the floor of the rear seats to provide increased protection and a more luggage space.
- A fuel tank safety valve has been adopted to prevent fuel from leaking out in case of a collision.
- A fuel tank pump assembly including fuel tank pump and fuel tank filter, has been adopted to lighten weight and improve serviceability.

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SEALANT

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

ON-VEHICLE SERVICE

FUEL TANK PUMP OPERATION CHECK

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Refer to GROUP 13A –On-vehicle Service
P.13A-323.

FUEL TANK GAUGE UNIT CHECK

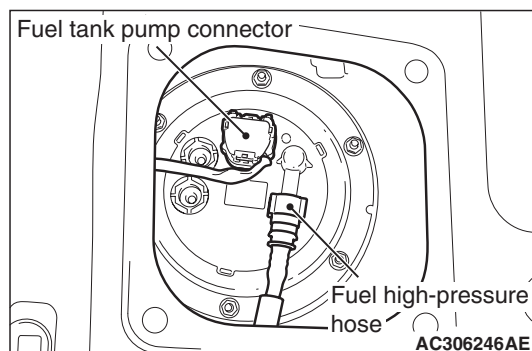
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Refer to GROUP 54A –Combination Meter Assembly
P.54A-51.

FUEL TANK PUMP ASSEMBLY
REPLACEMENT

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1. Remove the rear seat cushion (Refer to GROUP 52A –Rear Seat P.52A-25).
2. Remove the service hole cover mounting screws and remove the service hole cover.

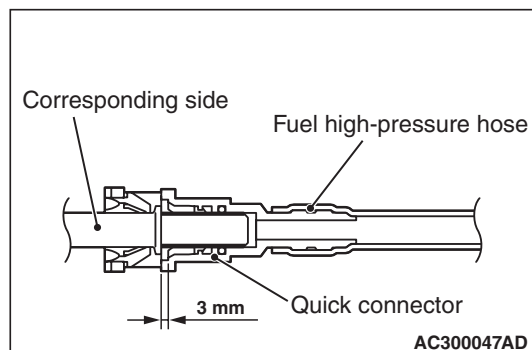


3. Disconnect the fuel tank pump assembly connector and fuel high-pressure hose.
4. Remove the mounting nuts and fuel pump bracket plate, and remove the fuel tank pump assembly from the service hole.

5. Install the fuel tank pump assembly to the fuel tank through the service hole.
6. Install the fuel pump bracket plate to the fuel tank and tighten the mounting nuts to the specified torque.

Tightening torque: 2.5 ± 0.5 N·m

CAUTION



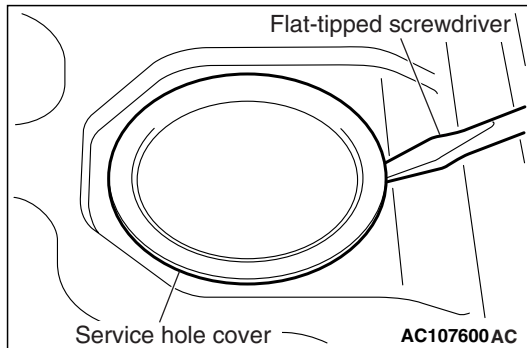
After connecting the fuel high-pressure hose, slightly pull it to ensure that it is installed securely. Also confirm that there is a play approximately 3 mm.

7. Connect the fuel tank pump assembly connector and fuel high-pressure hose.
8. Tighten the service hole cover mounting screws and install the service hole cover.
9. Install the rear seat cushion. (Refer to GROUP 52A –Rear Seat P.52A-25).

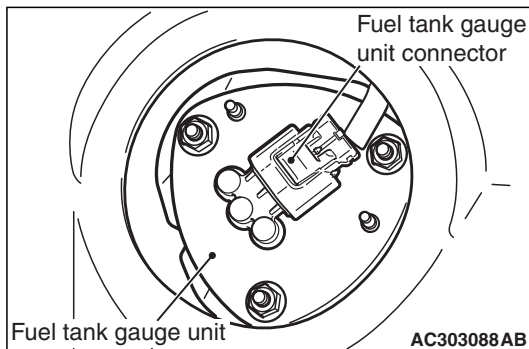
FUEL TANK GAUGE UNIT REPLACEMENT

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1. Remove the rear seat cushion (Refer to GROUP 52A –Rear Seat P.52A-25).



2. Pry off the service hole cover using a flat-tipped screwdriver, etc.



3. Disconnect the fuel tank gauge unit connector.

⚠ CAUTION

Pay attention not to damage the gauge unit and the float of the fuel tank gauge unit when withdrawing it from the service hole.

4. Remove the fuel tank gauge unit mounting nuts and remove the fuel tank gauge unit from service hole.

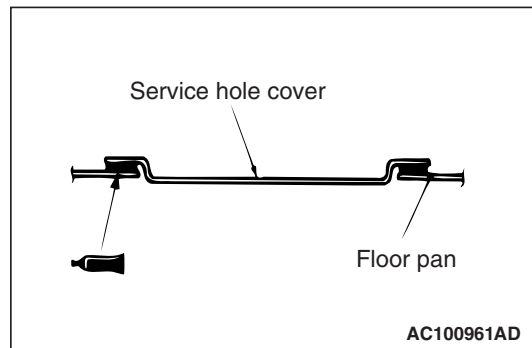
⚠ CAUTION

Pay attention not to damage the gauge unit and the float of the fuel tank gauge unit when inserting it from the service hole.

5. Install the fuel tank gauge unit to the fuel tank through the service hole, and tighten the mounting nuts to the specified torque.

Tightening torque: 2.5 ± 0.5 N·m

6. Connect the fuel tank gauge unit 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 Grommets Wind-shield Sealer (Black)

8. Install the rear seat cushion (Refer to GROUP 52A –Rear Seat P.52A-25).

FUEL TANK

REMOVAL AND INSTALLATION

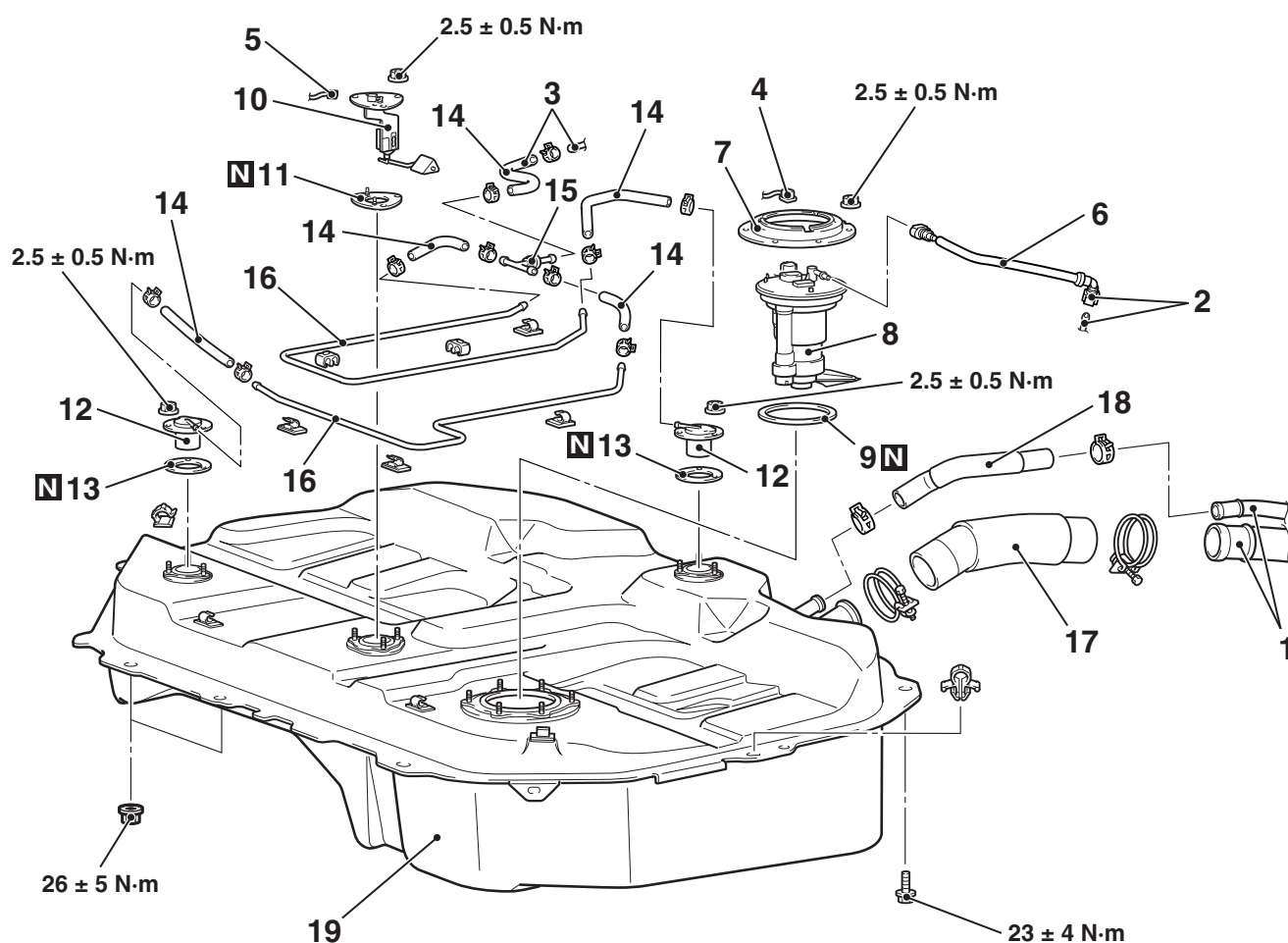
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Pre-removal Operation

- Draining Fuel
- Fuel Pump Connector Disconnection (How to Reduce Fuel Pressure) (Refer to GROUP 13A – On-vehicle Service [P.13A-323](#)).
- Centre Exhaust Pipe Removal (Refer to GROUP 15 – Exhaust Pipe and Main Muffler [P.15-8](#)).

Post-installation Operation

- Centre Exhaust Pipe Installation (Refer to GROUP 15 – Exhaust Pipe and Main Muffler [P.15-8](#)).
- Refilling Fuel
- Fuel Leakage Inspection



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Fuel tank assembly removal steps

1. Fuel filler neck assembly connection
- >>B<< 2. Fuel line pipe connection
3. Fuel vapour pipe connection
 - Parking brake cable clamp (LH) connection (Refer to GROUP 36 – Parking Brake Cable [P.36-6](#)).
 - Rear wheel speed sensor (RH) connection (Refer to GROUP 35B – ABS sensor [P.35B-54](#)).
 - Rear wheel speed sensor connector (Refer to GROUP 35B – ABS sensor [P.35B-54](#)).

<<A>>

<<A>>

>>B<<

<>

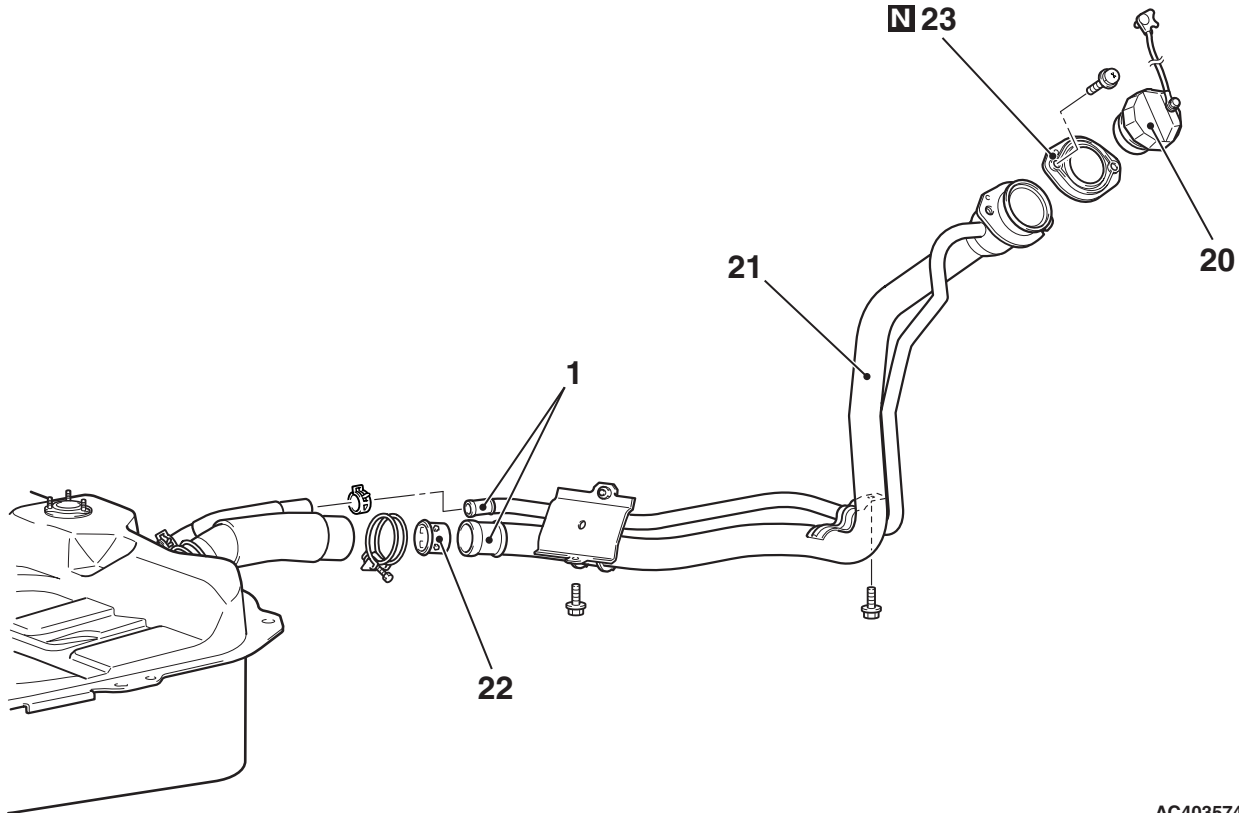
>>A<<

Fuel tank assembly removal steps (Continued)

4. Fuel tank pump assembly connector
5. Fuel tank gauge unit connector
 - Fuel tank assembly
6. Fuel high-pressure hose
7. Fuel pump bracket plate
8. Fuel tank pump assembly
9. Fuel tank pump gasket
10. Fuel tank gauge unit
11. Fuel tank gauge unit gasket
12. Fuel tank safety valve
13. Fuel tank safety valve gasket
14. Fuel tank hose
15. Fuel tank vapour hose 2-way valve

**Fuel tank assembly removal
steps (Continued)**

16. Fuel vapour pipe
17. Fuel filler hose
18. Fuel filler neck breather hose
19. Fuel tank



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Fuel filler neck removal steps

1. Fuel filler neck assembly connection
20. Fuel tank cap
21. Fuel filler neck assembly
22. Fuel filler neck valve
23. Fuel filler neck gasket

REMOVAL SERVICE POINTS

**<<A>> FUEL TANK PUMP ASSEMBLY
CONNECTOR/FUEL TANK GAUGE UNIT
CONNECTOR REMOVAL**

Lower the fuel tank assembly the connectors can be disconnected.

**<> FUEL TANK GAUGE UNIT
REMOVAL**

⚠ CAUTION

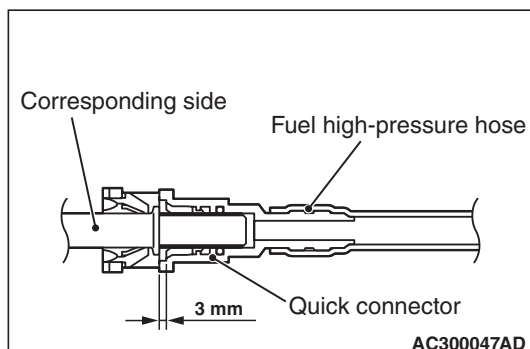
When withdrawing the fuel tank gauge unit from the fuel tank, be careful not damage the module unit and the float.

INSTALLATION SERVICE POINTS

**>>A<< FUEL TANK GAUGE UNIT INSTAL-
LATION**

⚠ CAUTION

When inserting the fuel tank gauge unit to the fuel tank, be careful not damage the module unit and the float.

>>B<< FUEL HIGH-PRESSURE
HOSE/FUEL LINE PIPE CONNECTION
INSTALLATION**CAUTION**

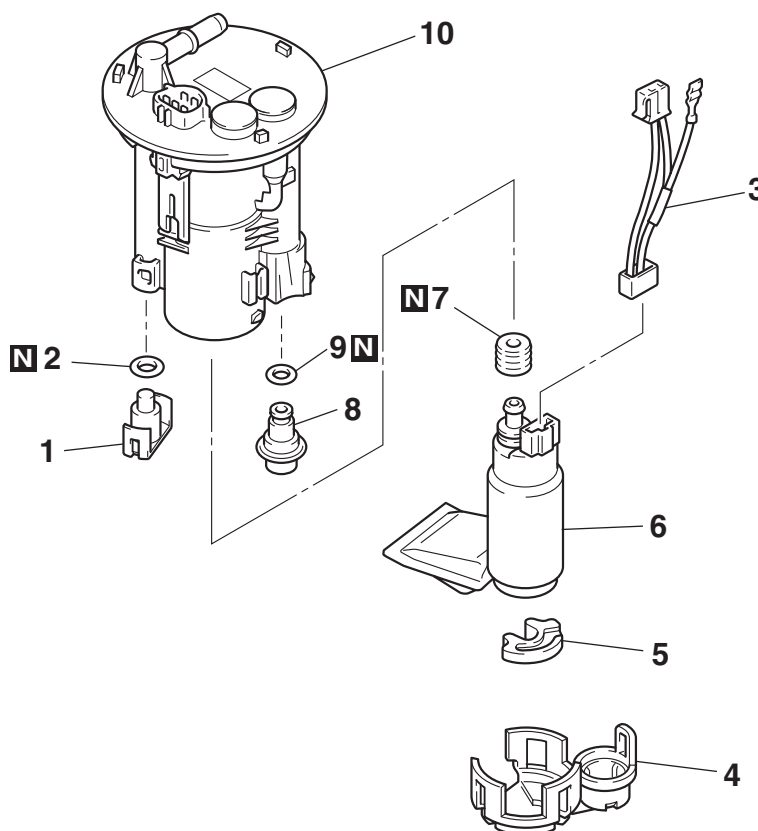
After connecting the fuel high-pressure hose, slightly pull it to ensure that it is installed securely. Also confirm that there is a play approximately 3 mm.

DISASSEMBLY AND REASSEMBLY

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FUEL TANK PUMP ASSEMBLY

NOTE: For the removal and installation procedures, refer to the fuel tank pump assembly replacement procedure in On-vehicle Service. (Refer to P.13B-2).



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Disassembly steps

- >>A<<
1. Fuel pump cap
 2. Fuel tank O-ring
 3. Fuel pump harness
 4. Fuel pump bracket
 5. Fuel tank pump cushion
 6. Fuel tank pump

Disassembly steps (Continued)

- >>A<<
7. Fuel tank grommet
 8. Fuel pump pressure regulator
 9. Fuel tank O-ring
 10. Fuel tank filter assembly

REASSEMBLY SERVICE POINT

**>>A<< FUEL TANK O-RING/FUEL TANK
GROMMET INSTALLATION**

Apply gasoline on the O-ring and the grommet before mounting them to prevent damage or twisting.