

---

# FUEL SUPPLY

## CONTENTS

1330000134

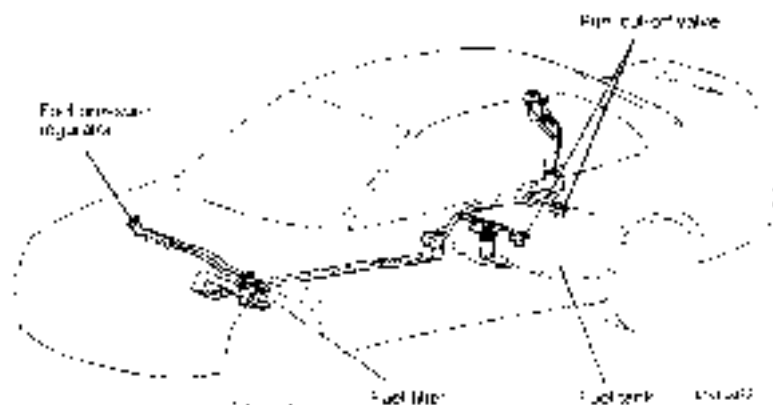
FUEL TANK .....	3	SEALANT .....	2
GENERAL INFORMATION .....	2	TROUBLESHOOTING .....	2

## GENERAL INFORMATION

1-200/10190

(1) The fuel tank is located under the floor below the rear seats to provide increased safety and a wider luggage space.

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



## SEALANT

13-0000000

Item	Specified sealant
Floor and floor pan	GM 6513 Gmmerated windshield sealer (Black)

## TROUBLESHOOTING

13-0000017

Symptom	Probable cause	Remedy
Engine malfunctions due to insufficient fuel supply	Seal or kinked fuel pipe or hose	Repair or replace
	Clogged fuel pipe or hose	Clean or replace
	Clogged fuel filter or in-tank fuel filter	Replace
	Water in fuel filter	Replace the fuel filter or clean the fuel tank and fuel line
	Rusty or rusted fuel tank interior	Clean or replace
	Malfunctioning fuel pump (Clogged filter in the pump)	Replace
	Evaporative emission control system malfunctions (When tank filler hose cap is removed, pressure-releasing noise is heard)	Misrouting of vapor line
Disconnected vapor line piping joint		Correct
Folded, bent, cracked or clogged vapor line		Replace
Faulty fuel tank filler tube cap		Replace
Malfunctioning fuel tank pressure control valve		Replace

## FUEL TANK

132616024

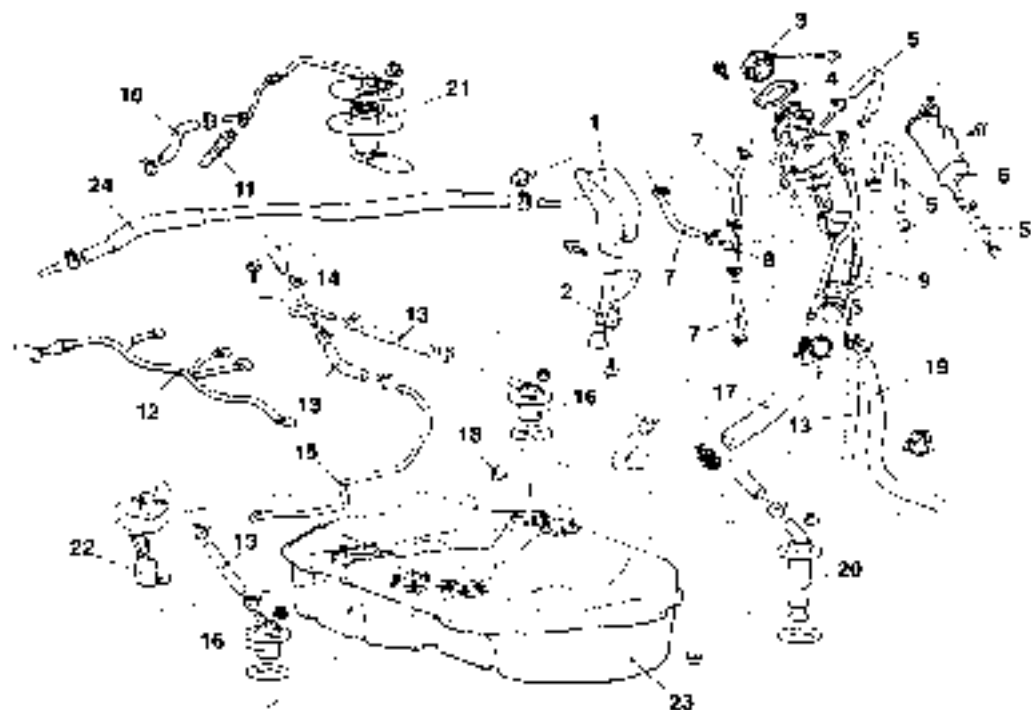
## REMOVAL AND INSTALLATION

## Pre-removal Operation

1. Cranking Fuel
2. Reduce the main Pressure of Fuel Inlet Hose (Refer to GROUP 12A - Circuit & Service)

## Post-Installation Operation

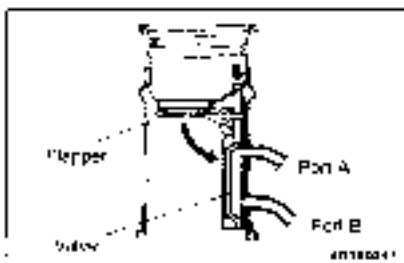
1. Refilling Fuel
2. Checking for Fuel Leaks



4074407 24

## Removal steps

- |  |                                  |
|--|----------------------------------|
| 1. Filter neck protector A                           | 13. Harness connector            |
| 2. Filter neck protector B                           | 14. Vapor hose                   |
| 3. Fuel filler cap                                   | 15. Vapor pipe                   |
| 4. Packing   | 16. Fuel shut-off valve assembly |
| 5. Vapor hose  | 17. Filter hose                  |
| 6. Separator assembly                                | 18. Fuel shut-off valve          |
| 7. Vapor hose  | 19. Leveling hose                |
| 8. Fuel check valve assembly                         | 20. Leveling valve assembly      |
| 9. Fuel filler neck assembly                         | 21. Fuel pump                    |
| 10. Return hose                                      | 22. Fuel gauge unit assembly     |
| 11. High-pressure fuel hose                          | 23. Fuel tank                    |
| • Rear seal cushion (Refer to GROUP 52A - Rear Seal) | 24. Purge hose                   |

**INSPECTION**

13A99640020

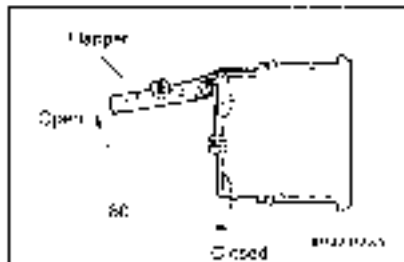
**FUEL TANK FILLER NECK ASSEMBLY CHECK**

- (1) Connect a clean rubber hose to the port A of the fuel tank filler neck assembly.
- (2) Use a screwdriver or similar tool to push the flapper in order to close the valve, and then blow air into the hose. Check that the air does not flow out of the port B.
- (3) Use a screwdriver or similar tool to push the portion A shown in the illustration in order to open the valve, and then blow air into the hose. Check that the air flows out of the port B.

**FUEL CUT OFF VALVE CHECK**

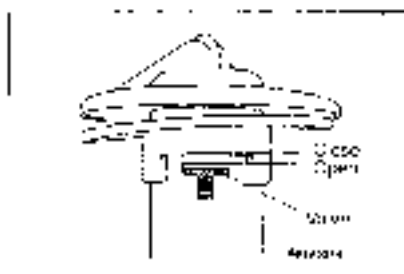
13A99640020

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 SHUT-OFF VALVE CHECK**

13A99640020

Check that the flapper and valve open and close as shown in the illustration.

**LEVELING VALVE CHECK**

13A99640020

- (1) Check that the leveling valve is at the open position when it is held vertically.
- (2) Check that the leveling valve is at the close position when it is tilted.

**FUEL GAUGE UNIT CHECK**

13A99640020

Refer to GROUP 54, Combination Meter

## FUEL FILTER REPLACEMENT

13A00130079

1. Bleed the residual pressure from inside the fuel line. (Refer to GROUP 10A - On-vehicle Service.)
2. Remove the air intake hose and canister.
3. Hold the fuel filter with an adjustable wrench and remove the eye bolt. Then remove the high-pressure fuel hose.

**Caution**

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

4. Hold the fuel filter with an adjustable wrench and loosen the flare nut. Then disconnect the main pipe connection.
5. Remove the fuel filter.
6. When installing the fuel filter, use a new gasket, and tighten the flare nut of the high-pressure fuel hose and the main pipe to the specified torque.
7. 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 10A - On-vehicle Service.)
  - (2) Check for leaks when fuel pressure is applied.

## FUEL GAUGE UNIT REPLACEMENT

13A00140128

1. Remove the rear seat cushion. (Refer to GROUP 52A - Rear Seat.)
2. Remove the plug.

3. Disconnect the fuel gauge unit connector and remove the fuel gauge unit.

4. Apply the specified solvent to the contact surfaces of the plug and the floor pan, and install the plug.

**Specified sealant:**

**3M ATD Part No. 8513 or equivalent**

5. Install the rear seat cushion. (Refer to GROUP 52A - Rear Seat.)

