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**GROUP 13D**

**FUEL SUPPLY**

**CONTENTS**

GENERAL INFORMATION .....	13D-2	FUEL TANK .....	13D-4
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## GENERAL INFORMATION

M2134000100327

The fuel system consists of the following components:

- Fuel injector
- Fuel delivery pipe
- Fuel pressure regulator <4G63-Non-turbo, 4G63-Turbo>
- Fuel tank assembly
- Fuel vapour canister
- Fuel tank safety valve
- Fuel tank gauge unit
- Fuel pump assembly <4G63-Non-turbo-2WD>
- Fuel tank pump and gauge assembly <4G63-Non-turbo-4WD, 4G63-Turbo>
- Fuel tank pump and gauge assembly (incorporating fuel pump pressure regulator) <4G69>

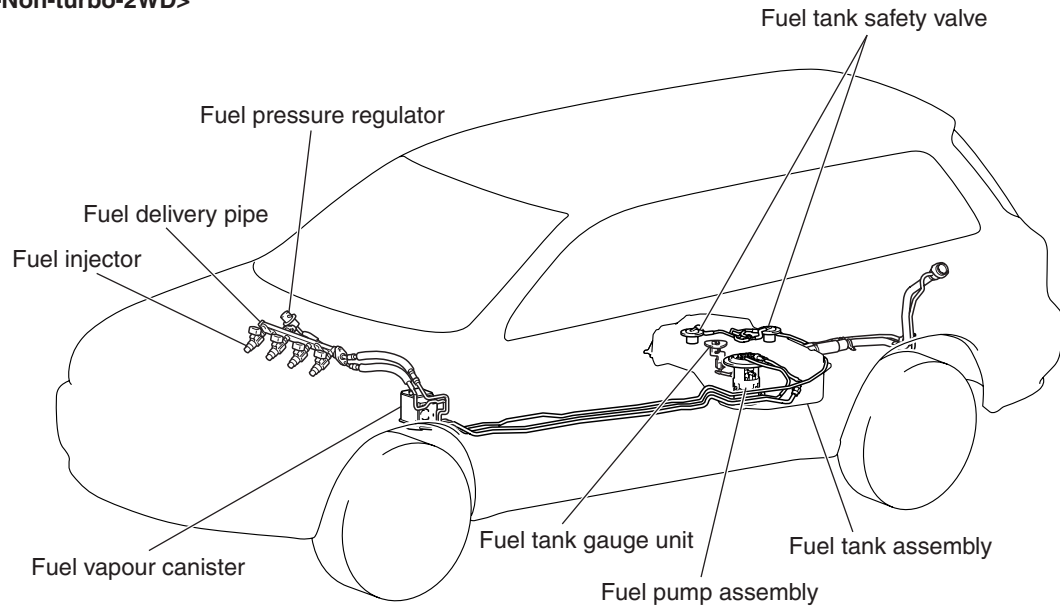
The fuel system of vehicles with 4G69 engine has the following characteristics.

- A plastic tube (a conductive multilayer nylon tube) is used for the fuel high-pressure hose in the engine compartment to improve fuel supply performance and reduce the weight.
- A returnless fuel system eliminates returned fuel from the engine. The heat that fuel receives from the engine is reduced, minimizing fuel temperature in the fuel tank and controlling the amount of evaporated gas.

## SPECIFICATIONS

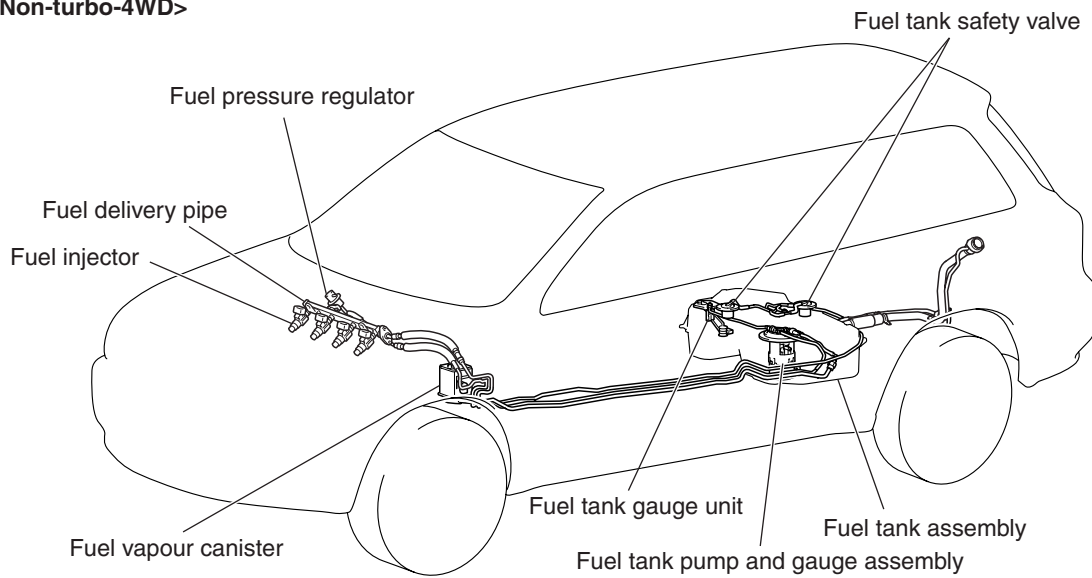
Item		Specification
Fuel tank capacity L		60
Fuel pump type		Electric
Fuel filter type		Cartridge (incorporating fuel pump)
Fuel return system	4G63-Non-turbo, 4G63-Turbo	Fuel pressure regulator return
	4G69	Fuel pump pressure regulator return
Fuel pressure regulator control pressure kPa	4G63-Non-turbo	328
	4G63-Turbo	294
Fuel pump pressure regulator control pressure kPa	4G69	324
Fuel injector	Type	Electro-magnetic
	Quantity	4
Evaporative emission control system		Canister

<4G63-Non-turbo-2WD>



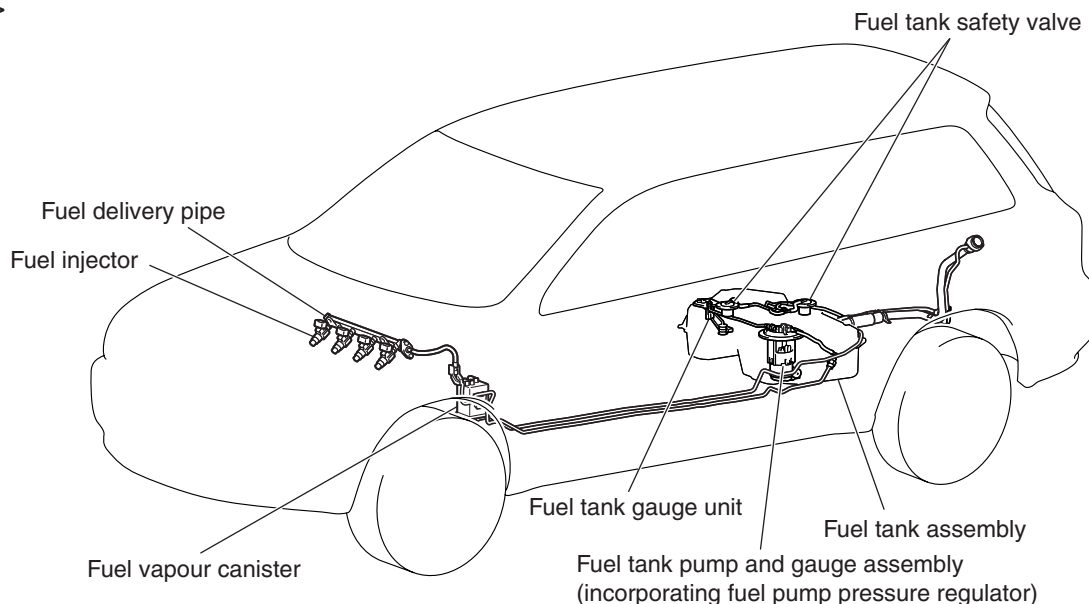
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<4G63-Non-turbo-4WD>



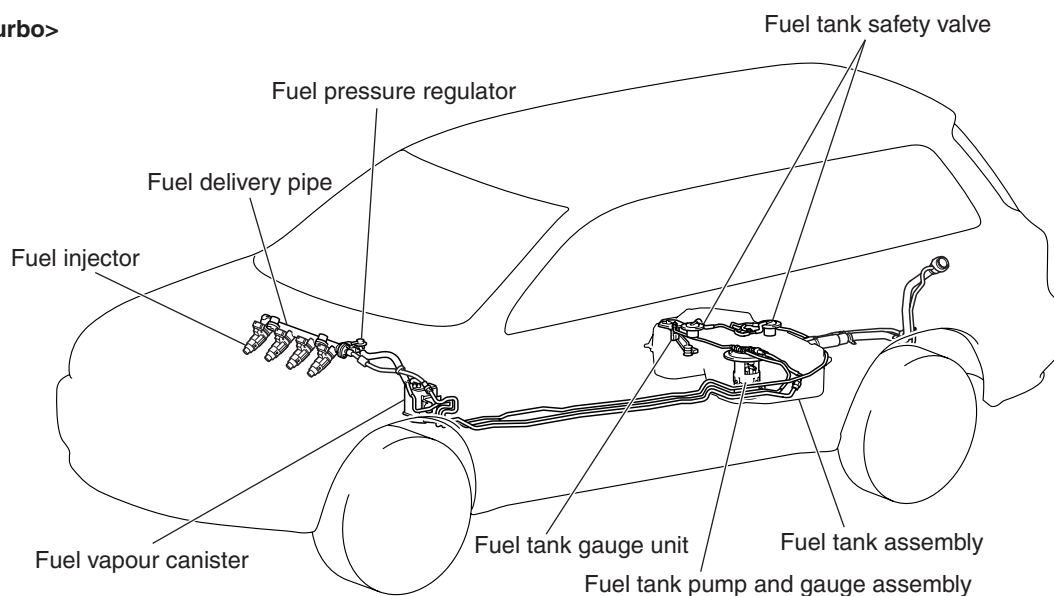
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&lt;4G69&gt;



AC309120AC

&lt;4G63-Turbo&gt;



AC400703AC

## FUEL TANK

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The fuel tank assembly consists of the following components.

- Fuel high-pressure hose
- Fuel pump suction tube <4WD>
- Fuel tank safety valve
- Fuel tank
- Fuel tank gauge unit
- Fuel pump assembly <2WD>
- Fuel tank pump and gauge assembly <4G63-Non-turbo-4WD, 4G63-Turbo>

- Fuel tank pump and gauge assembly (incorporating fuel pump pressure regulator) <4G69>

On vehicles with 4G63-Non-turbo engine, the fuel pump assembly <2WD> or the fuel tank pump and gauge assembly <4WD> consists of the following components.

- Fuel tank pump
- Fuel tank filter assembly
- Fuel tank gauge unit <4WD>

On vehicles with 4G69 engine, the fuel tank pump and gauge assembly consists of the following components.

- Fuel tank pump
- Fuel tank filter assembly
- Fuel tank gauge unit
- Fuel pump pressure regulator

On vehicles with 4G63-Turbo engine, the fuel tank pump and gauge assembly consists of the following components.

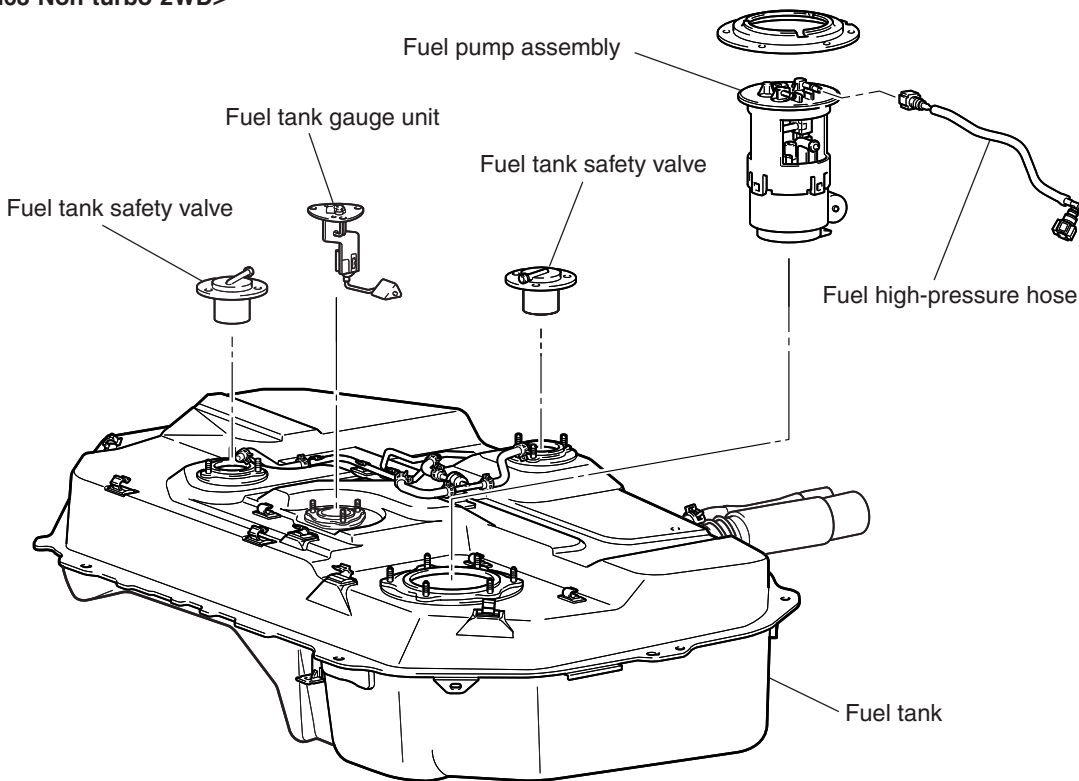
- Fuel tank pump
- Fuel tank filter assembly
- Fuel tank gauge unit

The fuel tank assembly is located under the floor of the rear passenger seat, and has the following features.

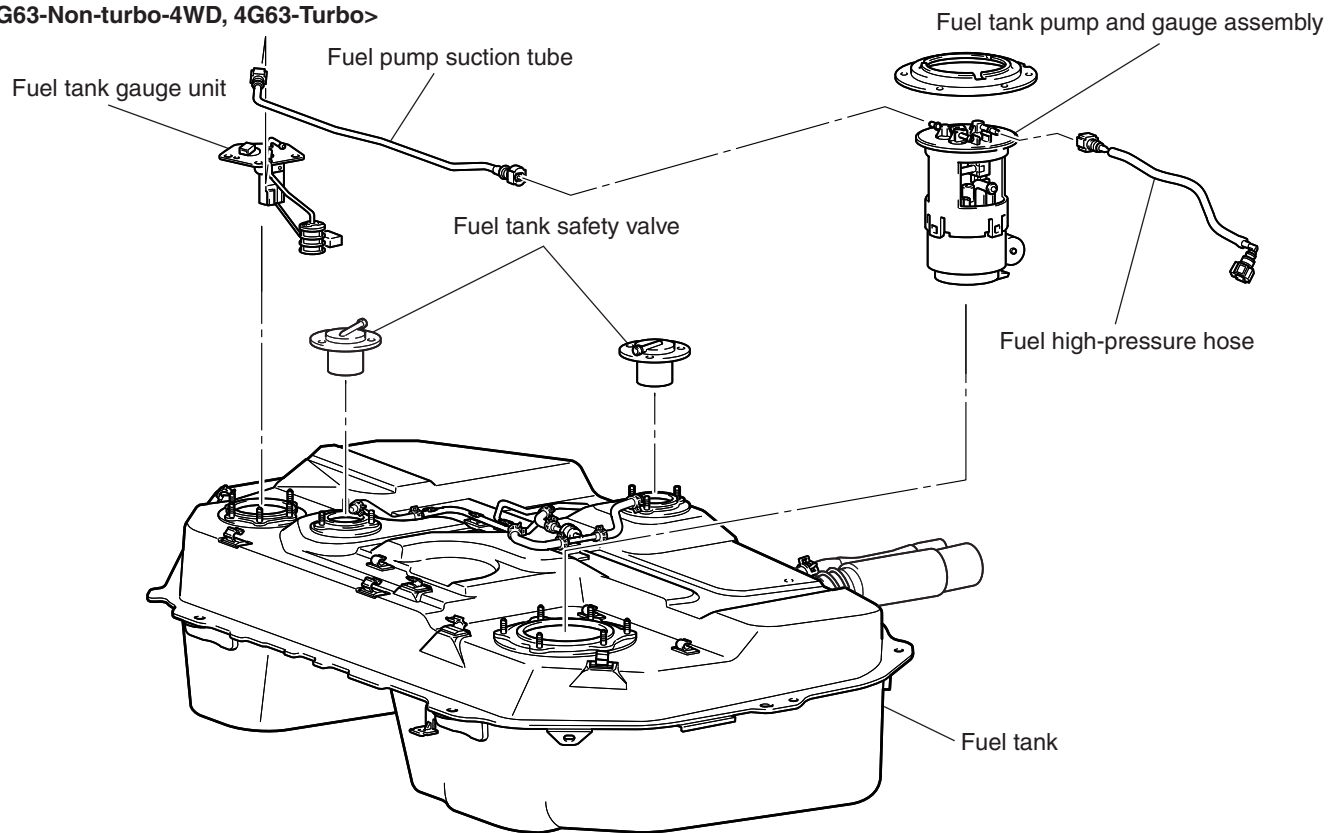
- The saddle type fuel tank is used.<4WD>
- The fuel tank is made of pre-coat alloy molten zinc steel plate, which does not contain tin alloy.
- The fuel tank pump and fuel tank filter assembly have been integrated into a single fuel pump assembly <2WD>, fuel tank pump and gauge assembly <4WD>.
- The fuel pump assembly <2WD>, fuel tank pump and gauge assembly <4WD> is housed in the fuel tank to improve collision safety.
- The fuel tank safety valve prevents fuel leaks when the vehicle has leaned or rolled over.
- The fuel high-pressure hose, fuel pump suction tube <4WD>, fuel return hose and fuel vapour hose are made of a material, which does not allow fuel vapour to pass through it as much as possible.

## CONSTRUCTION DIAGRAM

<4G63-Non-turbo-2WD>

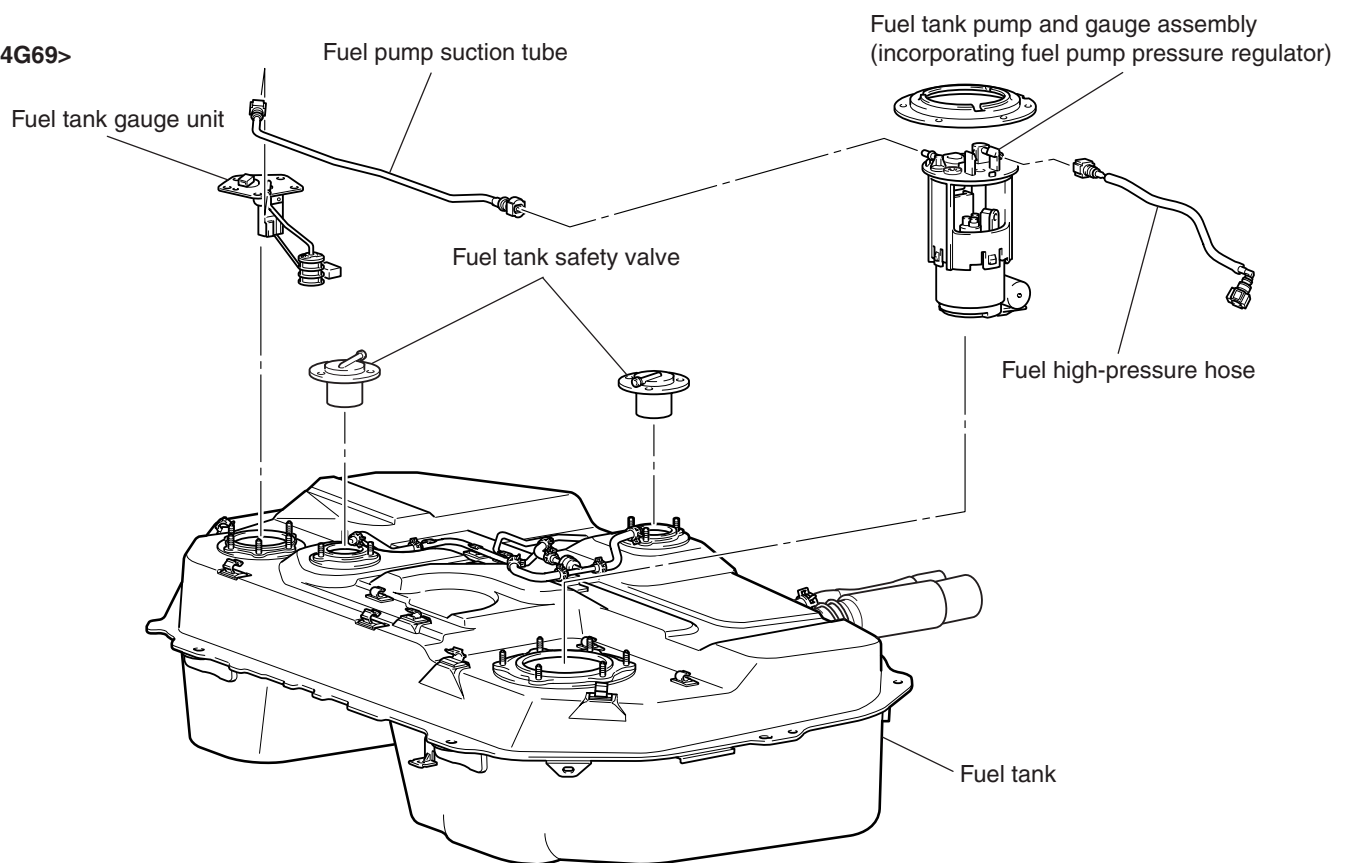


&lt;4G63-Non-turbo-4WD, 4G63-Turbo&gt;



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&lt;4G69&gt;



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