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## GROUP 13C

# FUEL SUPPLY

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## GENERAL INFORMATION

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**4G64**

The fuel system consists of the following components:

- Fuel injector
- Fuel delivery pipe
- Fuel pressure regulator
- Fuel tank assembly
- Fuel vapour canister
- Fuel tank safety valve

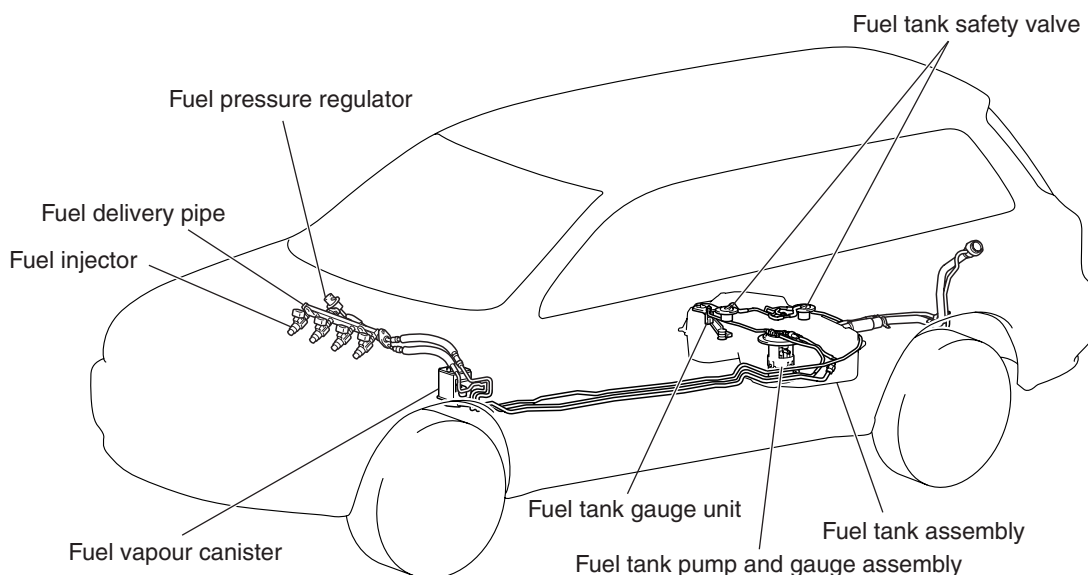
- Fuel tank gauge unit
- Fuel tank pump and gauge assembly

The fuel system of vehicles with 4G64 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.

**SPECIFICATIONS**

Item		Specification
Fuel tank capacity L		60
Fuel pump type		Electric type
Fuel filter type		Cartridge (incorporator fuel pump module)
Fuel return system		Fuel pressure regulator return
Fuel pressure regulator control pressure kPa		328
Fuel injector	Type	Electromagnetic type
	Quantity	4
Evaporative emission control system		Canister type



AC212217AB

**4G69**

The fuel system consists of the following components:

- Fuel injector
- Fuel delivery pipe
- Fuel tank assembly
- Fuel vapour canister
- Fuel tank safety valve

- Fuel tank gauge unit
- Fuel tank pump assembly (incorporating fuel pump pressure regulator) <2WD>
- Fuel tank pump and gauge assembly (incorporating fuel pump pressure regulator) <4WD>
- Fuel tank levelling valve assembly <Vehicles for Brazil, Chile and Taiwan>

- Fuel tank temperature sensor <Vehicles for Brazil, Chile and Taiwan>

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

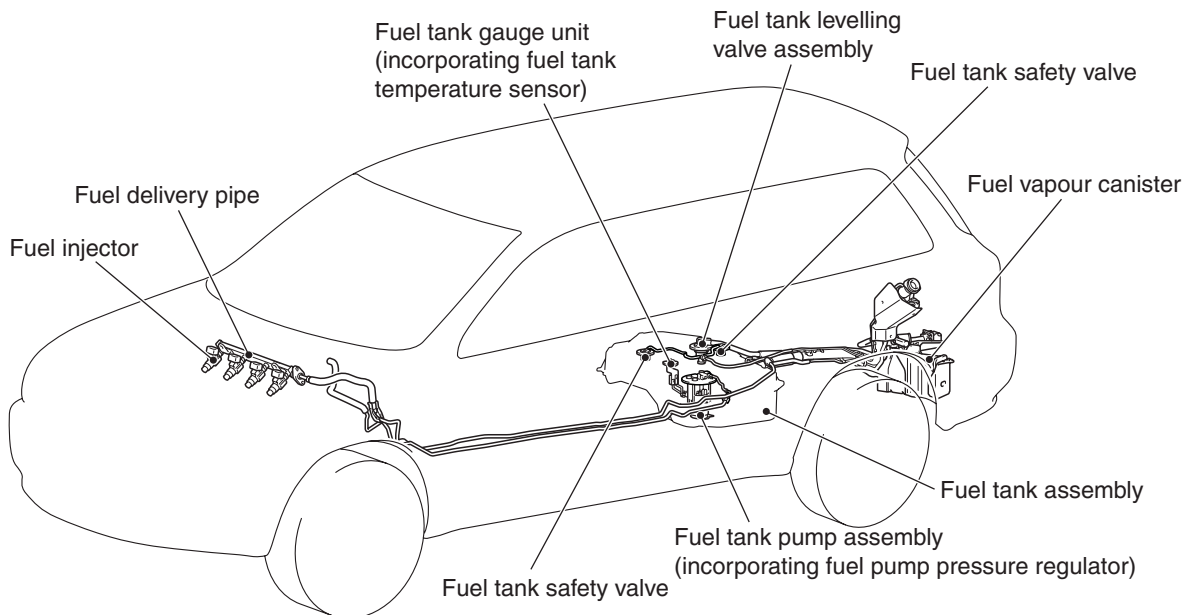
- A plastic tube (a conductive multilayer nylon tube) is used for the fuel high-pressure hose in the engine compartment to improve fuel supply performance and reduce the weight.

- 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

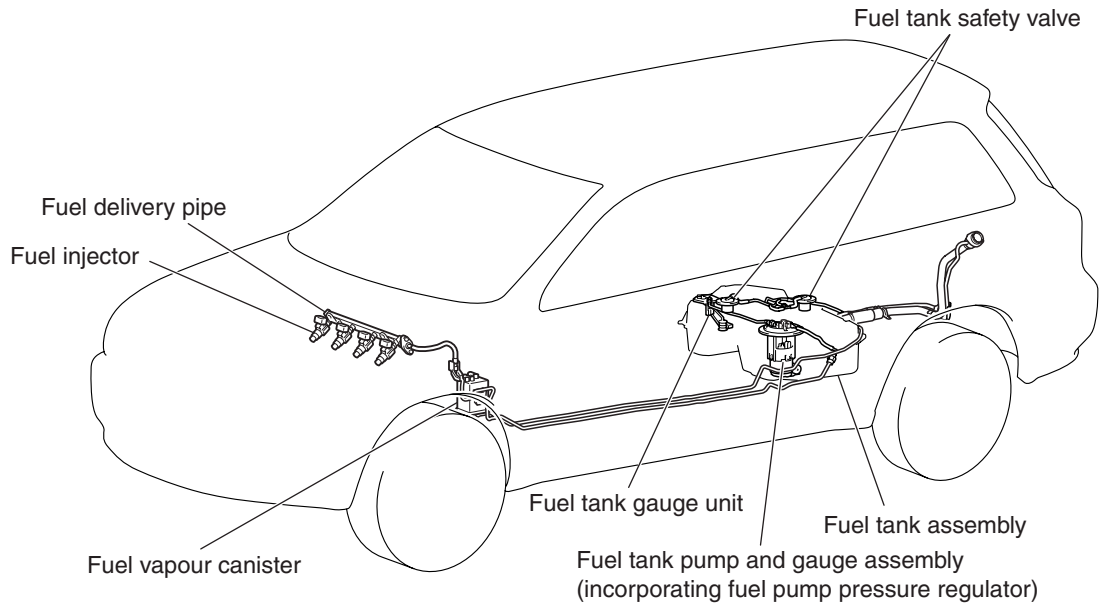
Item		Specification
Fuel tank capacity L		60
Fuel pump type		Electric
Fuel filter type		Cartridge (incorporating fuel pump)
Fuel return system		Fuel pump pressure regulator return
Fuel pump pressure regulator control pressure kPa		324
Fuel injector	Type	Electro-magnetic
	Quantity	4
Evaporative emission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

<2WD>



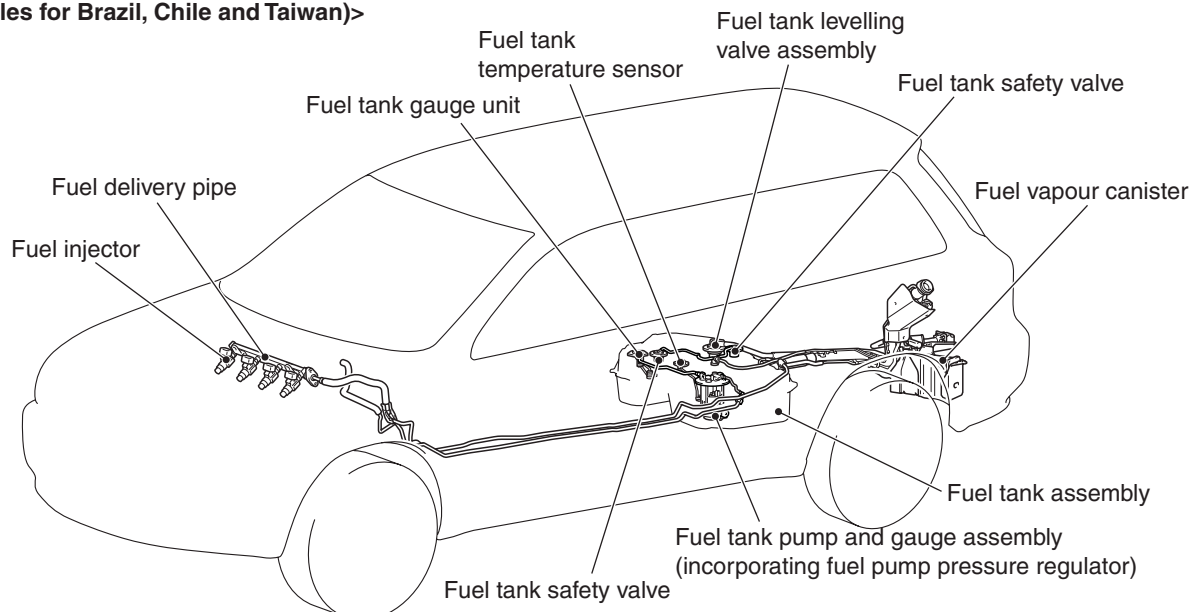
AC504543AB

&lt;4WD (Except for Brazil, Chile and Taiwan)&gt;



AC309120AE

&lt;4WD (Vehicles for Brazil, Chile and Taiwan)&gt;



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## FUEL TANK

M2134001000505

### 4G64

The fuel tank assembly consists of the following components.

- Fuel high-pressure hose
- Fuel pump suction tube
- Fuel tank safety valve
- Fuel tank
- Fuel tank gauge unit
- Fuel tank pump and gauge assembly

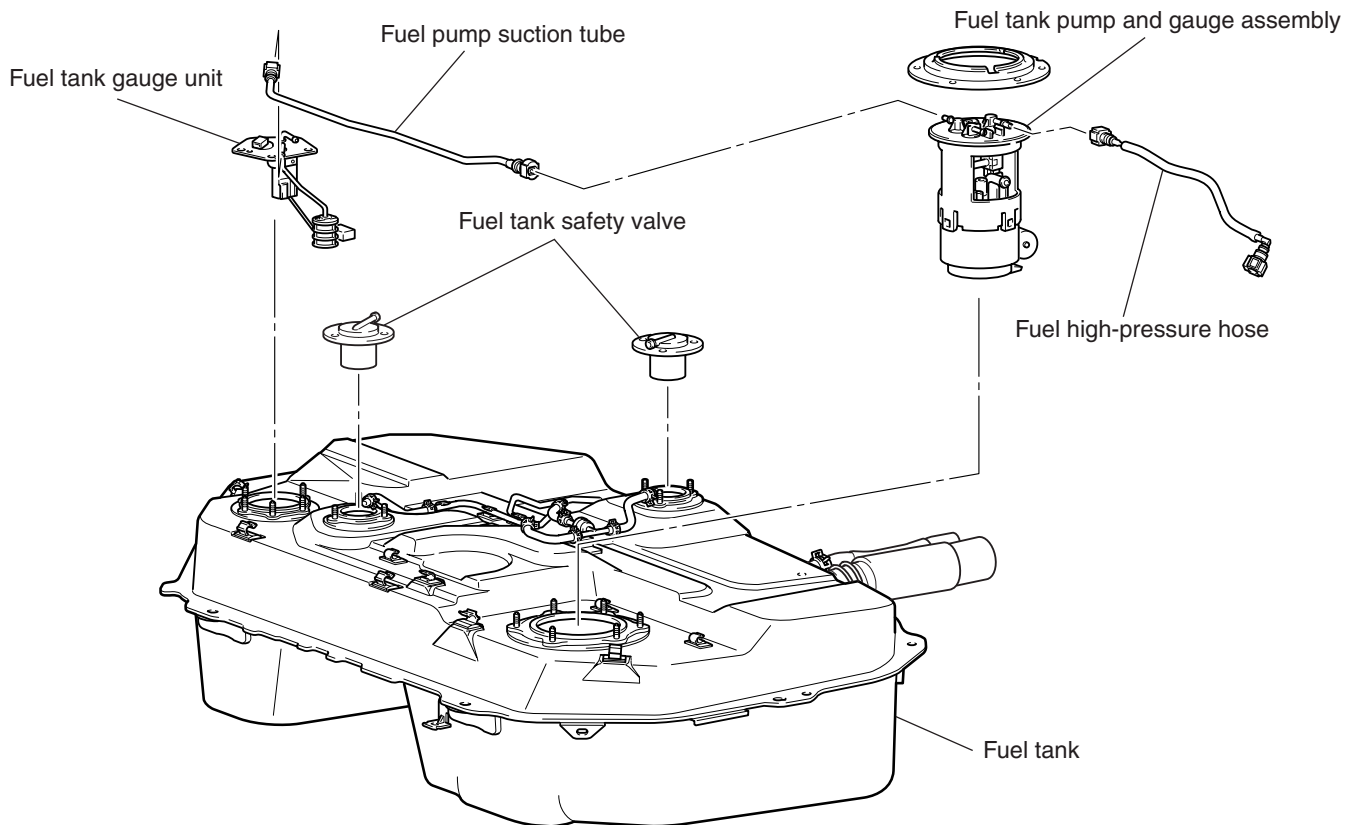
The fuel tank pump and gauge assembly consists of the following components.

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

The fuel tank assembly of vehicles with 4G64 engine is located under the floor of the rear passenger seat, and has the following features.

- 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 tank pump and gauge assembly.
- The fuel tank pump and gauge assembly 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.

### CONSTRUCTION DIAGRAM



AC212296AB

### 4G69

The fuel tank assembly consists of the following components.

- Fuel high-pressure hose
- Fuel pump suction tube
- Fuel tank safety valve
- Fuel tank
- Fuel tank gauge unit (incorporating fuel tank temperature sensor) <2WD>

- Fuel tank gauge unit <4WD>
- Fuel tank pump assembly (incorporating fuel pump pressure regulator) <2WD>
- Fuel tank pump and gauge assembly (incorporating fuel pump pressure regulator) <4WD>
- Fuel tank levelling valve assembly <Vehicles for Brazil, Chile and Taiwan>
- Fuel filler neck valve <Vehicles for Brazil, Chile and Taiwan>

- Fuel tank temperature sensor <4WD (Vehicles for Brazil, Chile and Taiwan)>

The fuel tank pump assembly <2WD> consists of the following components.

- Fuel tank pump
- Fuel tank filter assembly
- Fuel pump pressure regulator
- Fuel tank differential pressure sensor

The fuel tank pump and gauge assembly <4WD> consists of the following components.

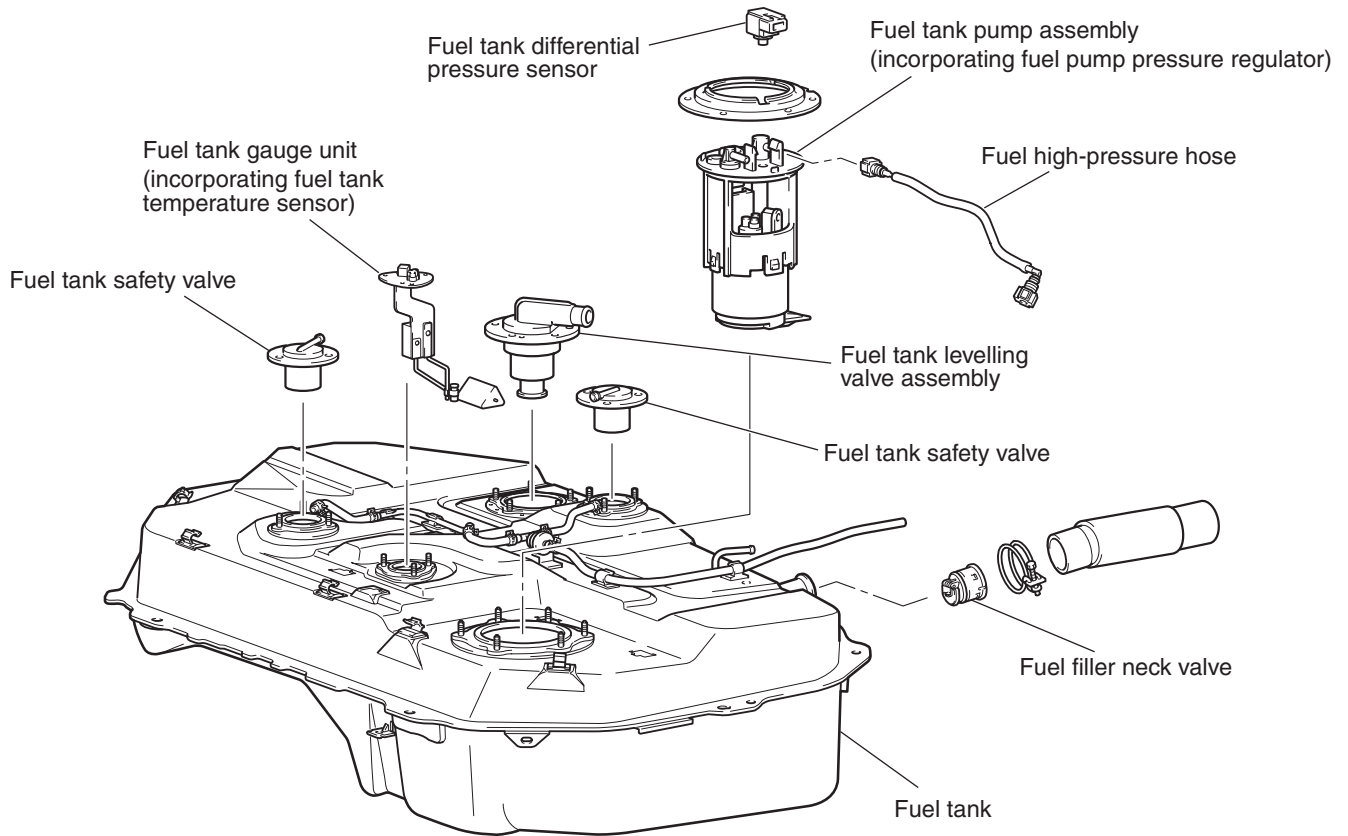
- Fuel tank pump
- Fuel tank filter assembly
- Fuel tank gauge unit
- Fuel pump pressure regulator
- Fuel tank differential pressure sensor <Vehicles for Brazil, Chile and Taiwan>

The fuel tank assembly of vehicles with 4G69 engine is located under the floor of the rear passenger seat, and has the following features.

- 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 tank pump assembly <2WD> or fuel tank pump and gauge assembly <4WD>.
- The fuel tank pump assembly <2WD> or 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, 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. <Vehicles for Australia and New Zealand>

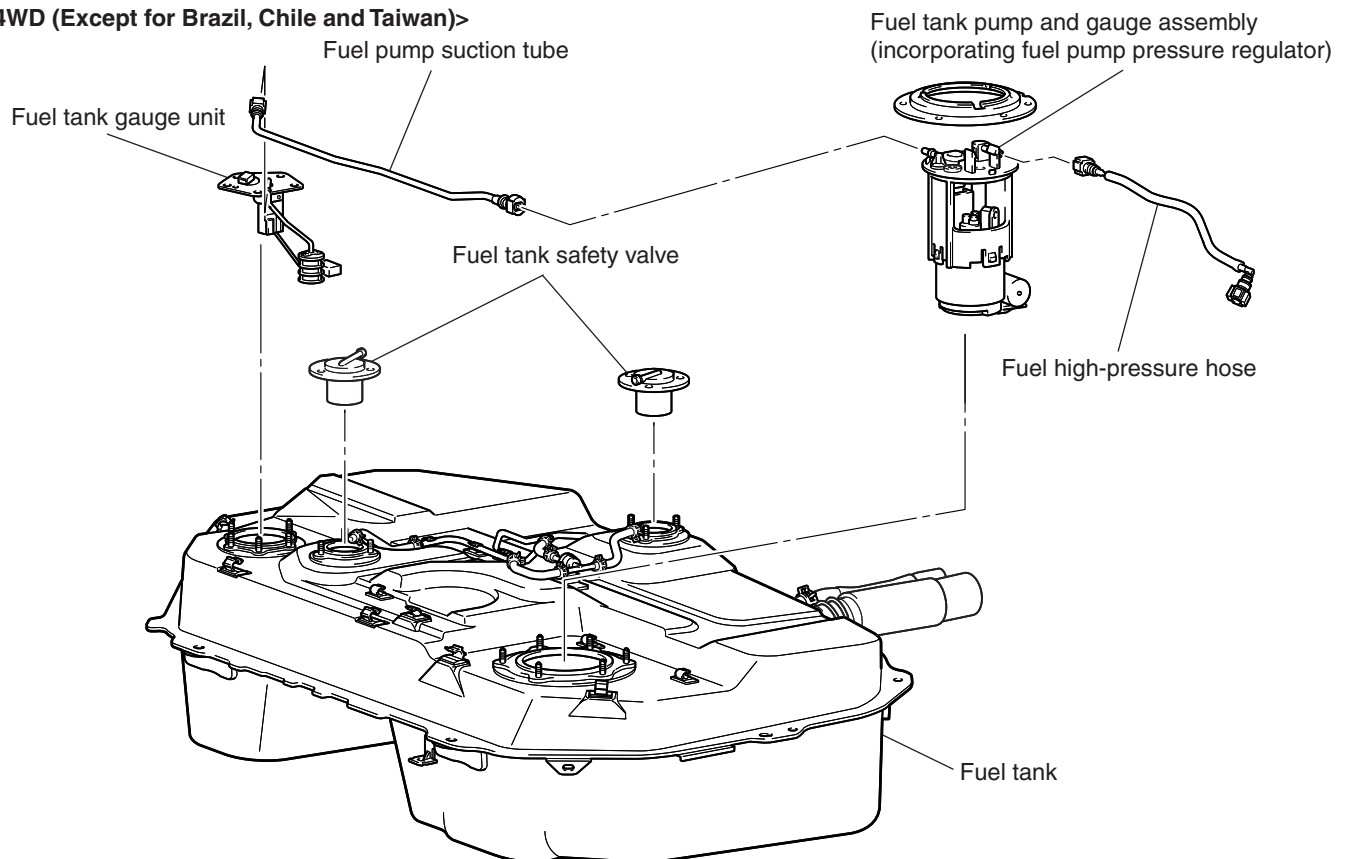
## CONSTRUCTION DIAGRAM

<2WD>



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<4WD (Except for Brazil, Chile and Taiwan)>



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## NOTES