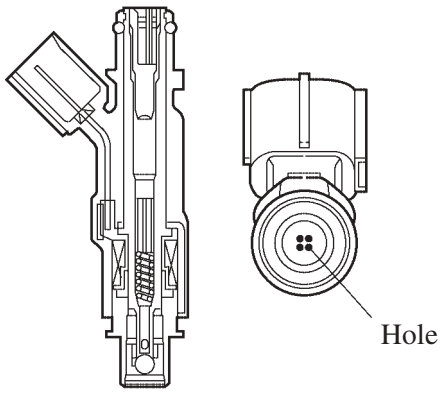
■FUEL SYSTEM

1. General

- Through the adoption of the fuel returnless system, the piping for the fuel system contains a single main pipe.
- The main fuel sender gauge, fuel pump, fuel filter, pressure regulator, and jet pump have been integrated and installed in the fuel tank.

2. Fuel Injector

The fuel injector is a compact, 4-hole type made of plastic.



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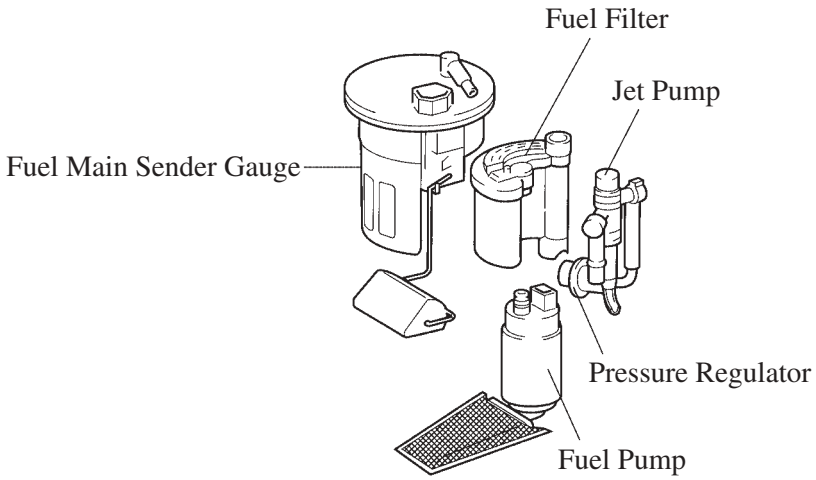
3. Fuel Pump

The main fuel sender gauge, fuel pump, fuel filter, pressure regulator, and jet pump have been integrated and installed in the fuel tank.



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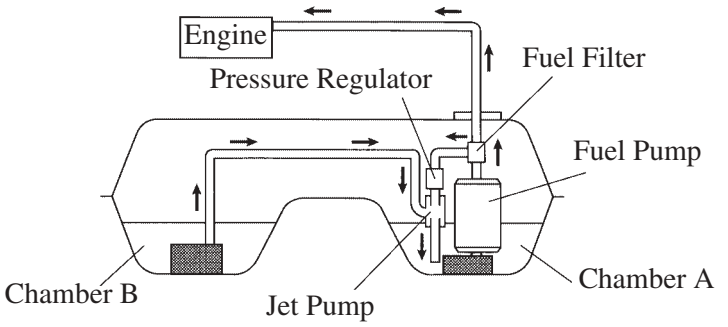
4. Fuel Tank

- The fuel tank adopts a saddle shape to allow the propeller shaft to pass through its center portion. Also, a jet pump is provided to transfer the fuel from the side of the tank without the fuel pump to the side with the fuel pump.
- Two sender gauges, the main and sub sender gauges, are provided to improve the accuracy of the fuel gauge.

1) Jet Pump

Construction and Operation

A jet pump is adopted in the fuel tank. Since the propeller shaft is located below its center bottom, the fuel tank of the IS200 is shaped as indicated below.
A fuel tank with such a shape tends to cause the fuel to be dispersed into both chamber A and chamber B when the fuel level is low, stopping the fuel in chamber B from being pumped out. To prevent this from occurring, a jet pump has been provided to transfer the fuel from chamber B to chamber A.
This is accomplished by utilizing the flow of the fuel, so that the vacuum created by the fuel, as it passes through the venturi is used to suck the fuel out of chamber B and send it to chamber A.



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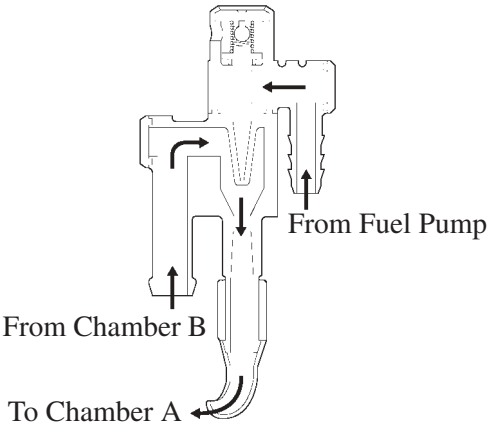

Jet Pump

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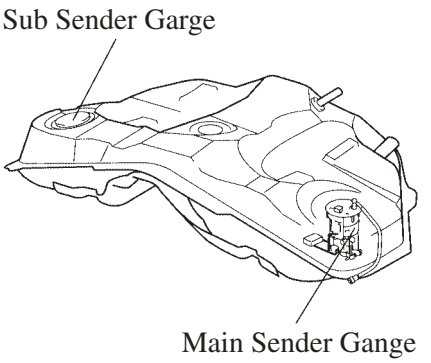
2) Fuel Sender Gauge

Two sender gauges, the main and sub sender gauges, are provided to improve the accuracy of the fuel gauge. These fuel sender gauges are installed in-line and send the signals indicating the amount of fuel remaining to the combination meter.



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