Fuel System of Panthera

Definition

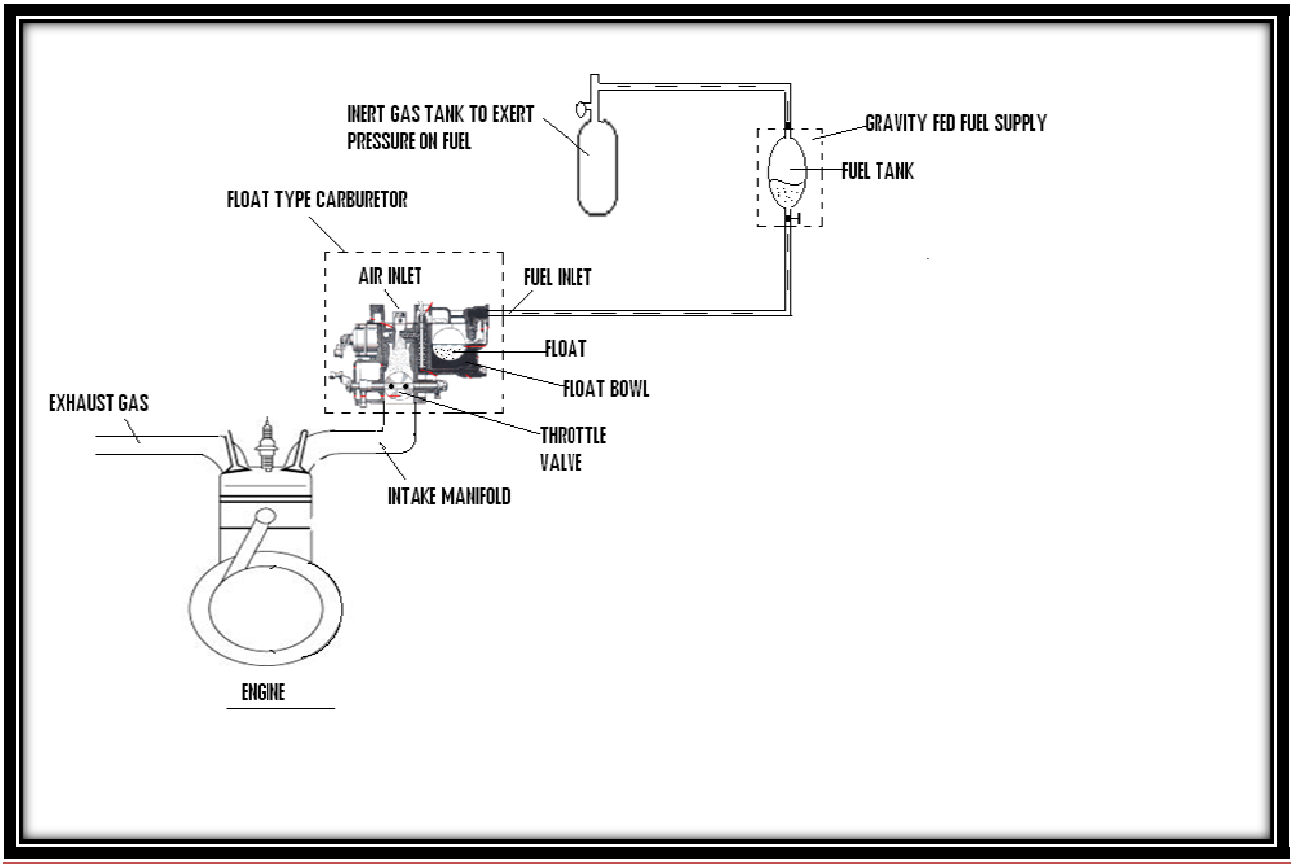
The function of the fuel system is to store and supply fuel to the cylinder chamber where it can be mixed with air, vaporized, and burned to produce energy.

Components Of Fuel System.

The fuel system consists of the following major components.

1. Pressurizing tank.
2. Fuel Tank.
3. Carburetor (Float Type).
4. Intake manifold.

Diagram



A Futuristic Approach

DESCRIPTION

Our Fuel system shall comprise of certified transparent Fuel Tank where by fuel lines from the fuel tank shall feed the gasoline to the Carburetor that would produce stoichiometric ratio of the air/fuel mixture. Furthermore, the fuel to the carburetor will be gravity fed from the fuel tank with a nozzle and Value for controlling the flow rate. Moreover, the Fuel tank will be pressurized by an external tank containing inert gas at higher pressure. The purpose being to provide a constant flow rate as the fuel level in the tank drops. Pressure guages will be used to keep the tank pressure level in check so to provide maximum safety.

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