

Liquid

Rocket Engine

Fuel Tank

It stores fuel. Examples of fuels: alcohol, liquid hydrogen, RP-1 Kerosene, aniline, and hydrazine (mixture of fuel and oxidizer).

Oxidizer Tank

It stores oxidizer. Examples of oxidizers: liquid oxygen, nitric acid, nitrogen tetroxide, and hydrazine (a mixture).

Pump

It pumps the fuel and the oxidizer into the combustion chamber. It generates extremely high pressures.

Combustion Chamber

Pumped fuel and oxidizer are mixed, ignite, and burned in here to create a high-pressure and high-velocity of hot gases.

Igniter

Starts the burning process.

Nozzle

It accelerates hot gases further and produce thrust.