

## WHAT IS A FUEL PUMP?

The fuel pump is a device that sucks fuel out of the fuel tank and supplies it to the injector. The conventional fuel pumps are located outside of the fuel tank and are thus referred to as the out-tank types. In recent years, the in-tank type vehicle fuel pumps have become mainstream. In in-tank types, the fuel pump is arranged inside the tank, and the pump supplies the necessary amount of fuel under the required pressure. As another current trend, the module type has become mainstream. In addition to the pump, the module type integrates such components as the fuel filter, pressure regulator (which controls the fuel pressure), and potentiometer or a device that detects the level inside the fuel tank (such as the fuel level arm).



## TYPICAL SYMPTOMS IN CASE OF FAILURE

### Symptoms in case of failure

- Engine start-up failure
- Engine stall
- The idle speed does not stabilize

### Typical causes of failures

- Excessively high temperature
- Fuel contamination
- Poor connection of the fuel hose