



ELECTRICAL SYSTEM

GENERAL

ECM controls proper ignition and injection by calculating the data from the sensors leading to ECM. The data includes engine revolution, suction pressure in the intake manifold, throttle opening angle and temperature. On carburetor model, fuel is supplied to the engine through the port(s) and throttle valve, while engine is running. On PGM-FI model, the fuel is discharged into the intake port through the injector.

The PGM-FI system includes two systems, the “Data Control System” and the “Fuel Supply System”. The data control system consists of the sensors and ECM which sends the injection signal to the injector. The fuel supply system consists of the injector and fuel pump. The pressure regulator integrated in the fuel pump stabilizes the fuel pressure constantly. The injector discharges required amount of fuel according to the signal sent from the ECM.

The PGM-FI system includes three sections, the Detecting section, Controlling section and Operating section.

- **DETECTING SECTION:** Detects information from sensor, converts to signal and sends to the ECM.
- **CONTROLLING SECTION:** Sends controlling signal to the operating section by calculating the signal sent from the detecting section.
- **OPERATING SECTION:** Works in accordance with the signal sent from the ECM.

