



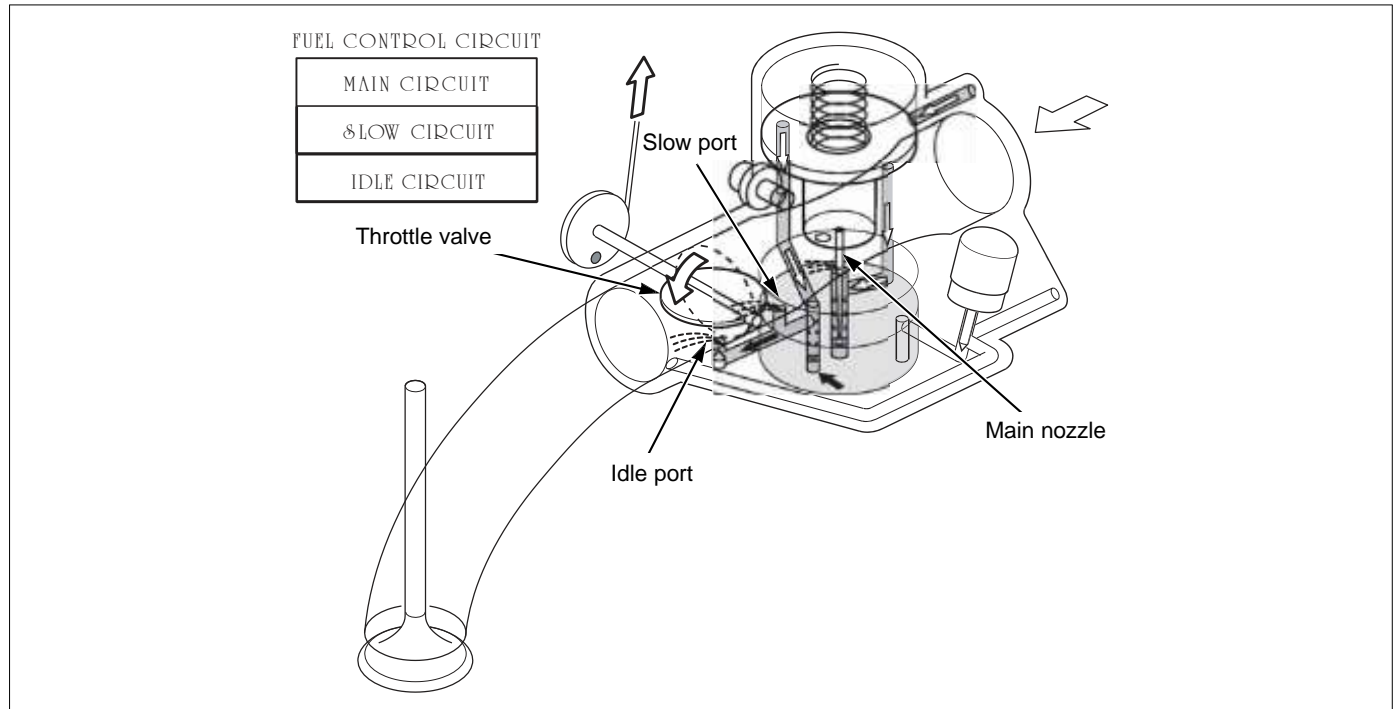
## FUEL ENRICHMENT FOR QUICK ACCELERATION

### ENGINE CONDITION UNDER QUICK ACCELERATION:

When throttle valve is opened suddenly, excess volume of intake air flows into the engine. Small quantity of intake manifold vacuum pressure causes lack of fuel. Fuel lack leads to lean fuel/air ration then temporary lack of engine power.

### QUICK ACCELERATION WITH CARBURETOR:

When throttle valve is opened suddenly, the vacuum piston response is slow and the vacuum pressure in venturi is large. Sudden throttle valve opening results that more fuel is absorbed from main nozzle, slow port and idle port. This supplemental fuel proper fuel/air ratio.



### QUICK ACCELERATION WITH PGM-FI:

When throttle valve is opened suddenly, ECM controls the amount of fuel according to the data from the TP sensor, depending on engine condition. The injector is kept open longer than usual, more fuel are sent into the cylinder, in the end proper fuel/air ratio is produced.

