

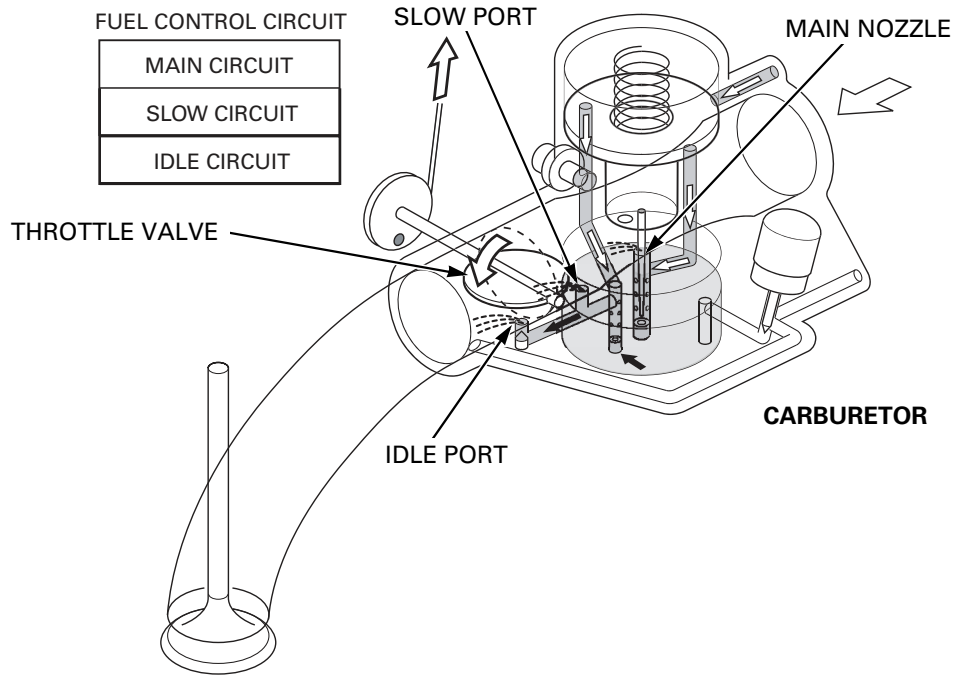
**FUEL ENRICHMENT FOR QUICK ACCELERATION**

**ENGINE CONDITION UNDER QUICK ACCELERATION:**

When throttle valve is opened suddenly, excess volume of intake air flows into the engine. Smaller intake manifold vacuum pressure causes lack of fuel and air-fuel ratio becomes lean, resulting in temporary lack of engine power.

**QUICK ACCELERATION WITH CARBURETOR:**

When throttle valve is opened abruptly, the vacuum piston responds rather slowly, causing larger vacuum pressure in venturi, resulting in more fuel drawn out from main nozzle. This supplemental fuel produces ideal air-fuel ratio.



**QUICK ACCELERATION WITH PGM-FI:**

When throttle valve is opened abruptly, ECM regulates the amount of fuel according to output voltages from TP sensor, depending on engine condition. The injector is kept open longer than usual in order to send more fuel into the cylinder, producing ideal air-fuel ratio.

