

2. TECHNICAL FEATURE

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UNIT PROLINK SUSPENSION.....2-4

TECHNICAL FEATURE

ABSOLUTE PRESSURE FUEL SUPPLY SYSTEM

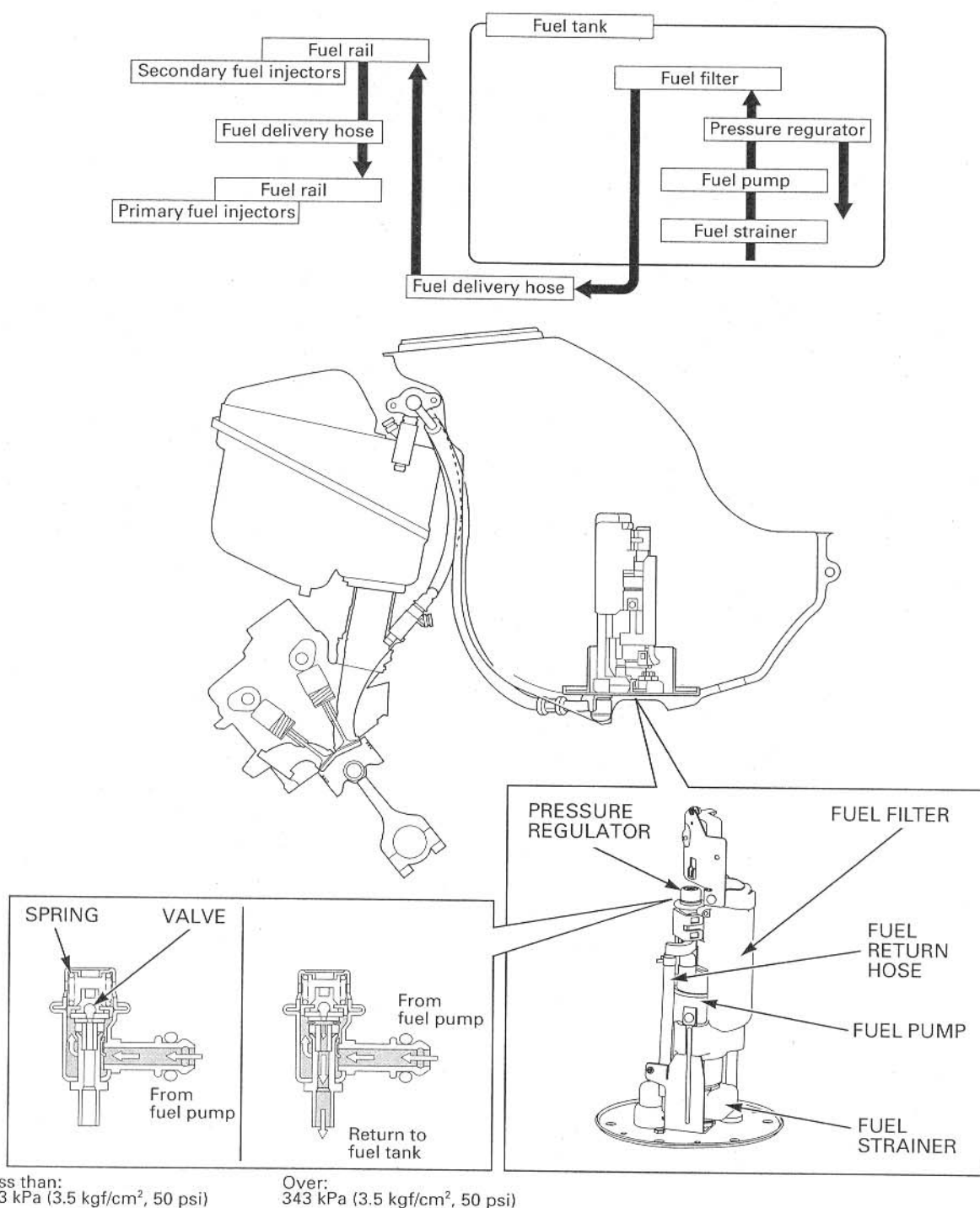
The fuel delivery system consists of the following components: fuel tank, fuel strainer, fuel pump, fuel filter, internal pressure regulator, fuel delivery hoses, fuel rails and injectors.

This system is equipped with the absolute fuel pressure. There is no external fuel return hose or vacuum pressure regulator with this system.

The fuel pressure in the fuel delivery system is regulated by the internal pressure regulator and always kept absolute; 343 kPa (3.5 kgf/cm², 50 psi).

The internal pressure regulator returns the fuel by opening a valve when the fuel pressure increases more than 343 kPa (3.5 kgf/cm², 50 psi).

This system optimizes injection volume by the ECM control.



DUAL SEQUENTIAL FUEL INJECTION SYSTEM (PGM-DSFI)

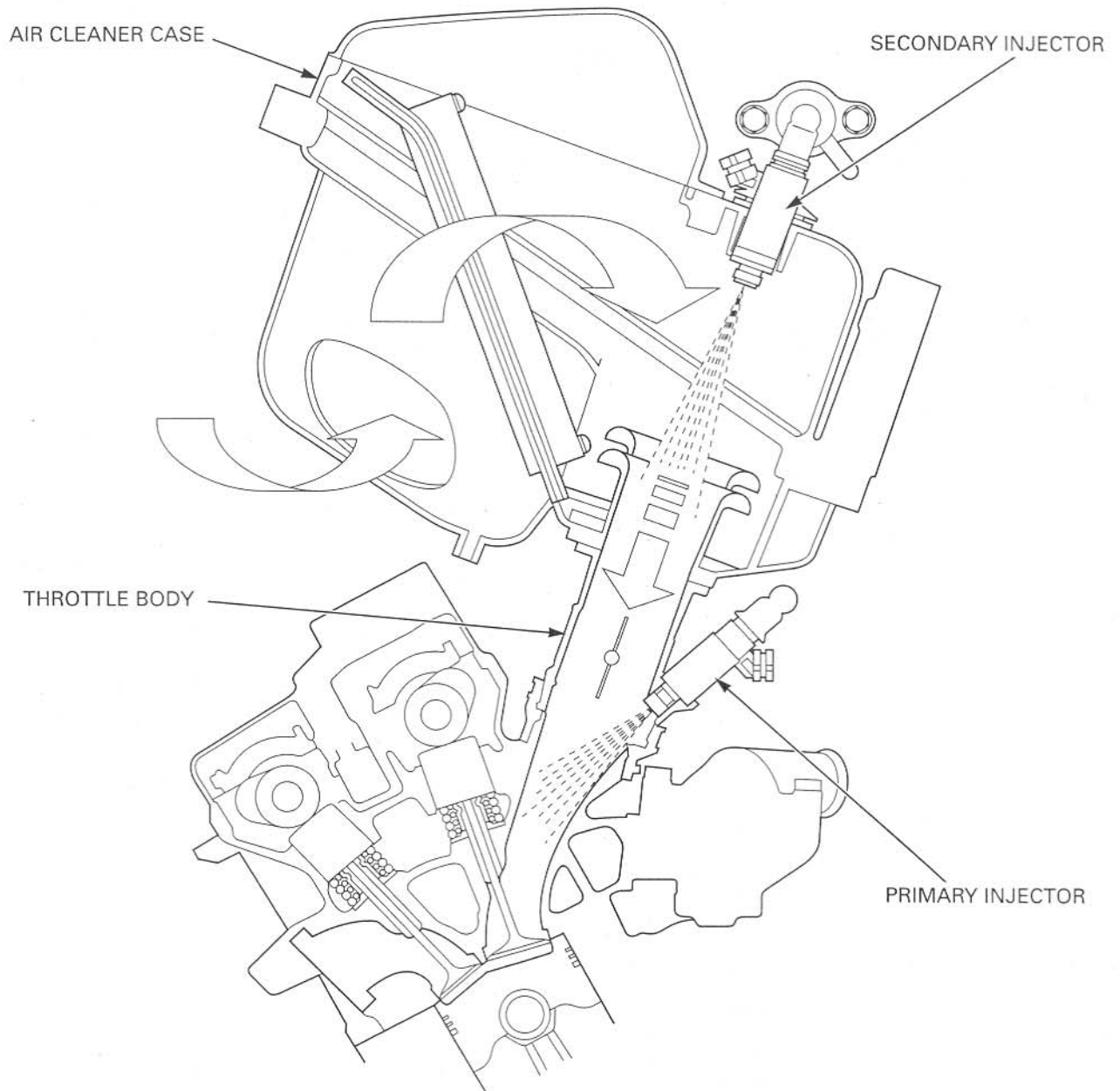
The CBR600RR is equipped with two injectors per cylinder.

The primary injector is built in the throttle body and the secondary injector is built on the upper air cleaner case.

Four primary injectors and four upper injectors are connected in series to the fuel delivery hose.

The ECM controls the injector operation and injection time, according to the signals from each sensor.

The primary injector operates at all engine speed, both the primary and secondary injector operate at high engine speeds (over 5,500 rpm) and throttle wide opened (over 50°).



TECHNICAL FEATURE

UNIT PROLINK SUSPENSION

The CBR600RR features the unit pro-link rear suspension which consists of the swingarm, shock link, shock arm, shock absorber and upper mounting bracket.

The rear suspension unit is connected to the frame at the swingarm pivot and link arm, eliminating an upper shock connection to the frame.

The upper part of rear shock absorber is mounted on the upper mounting bracket through the swingarm, therefore the whole rear shock absorber moves in response to rear wheel movement.

