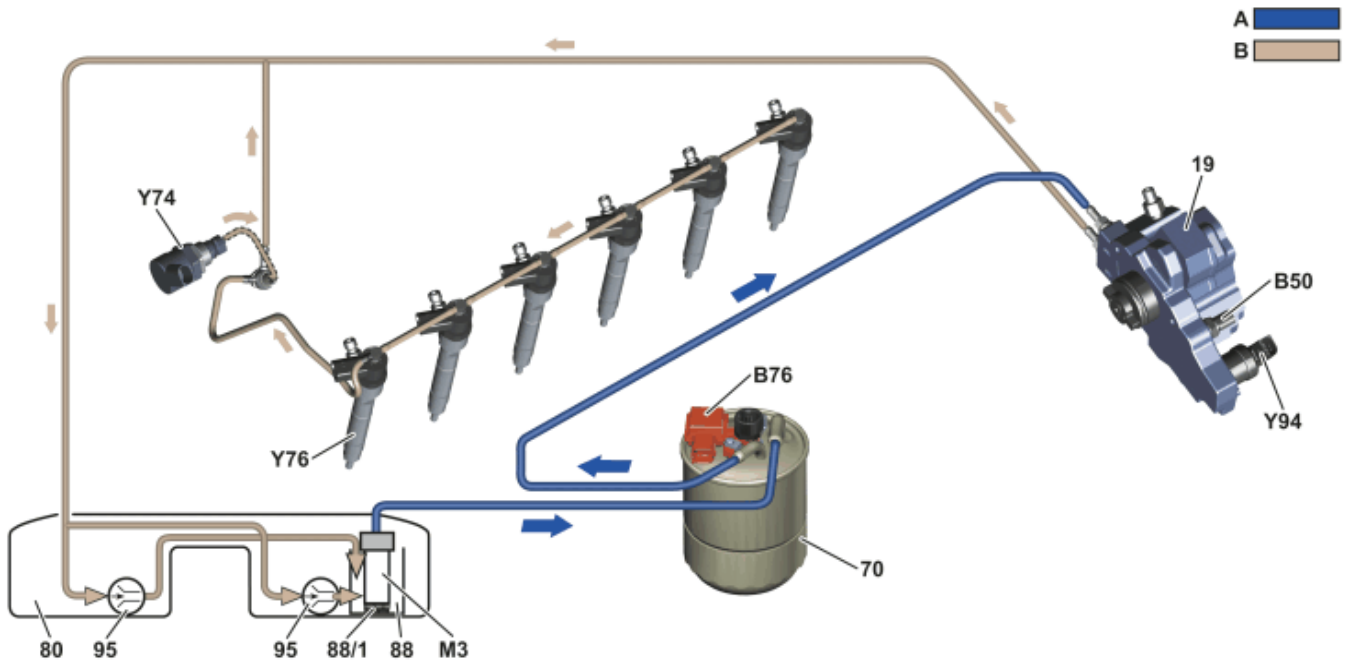
GF07.16-P-2006IJ	CDI fuel supply, function	5.9.02

ENGINE 648.961 in MODEL 211



P07.16-2858-79

Model 211 with engine 648

19 High-pressure pump
70 Fuel filter
80 Fuel tank
88 Fuel delivery module
88/1 Fuel strainer
95 Suction jet pump
B50 Fuel temperature sensor
B76 Fuel filter water level sensor
(for USA)
M3 Fuel pump
Y74 Pressure regulator valve
Y76 Fuel injectors
Y94 Quantity control valve

A Fuel feed
B Fuel return flow

The fuel supply (fuel low-pressure circuit) provides a sufficient quantity of filtered fuel to the injection system under all operating conditions and at an adequate pressure.

The fuel is held in the fuel tank .
The swirl pot prevents the fuel pump drawing in air when cornering with a low level of fuel in the fuel tank. On model 211 the housing of the fuel feed module serves as the swirl pot.

Fuel feed
The fuel pump draws the fuel from the swirl pot through the fuel strainer. The fuel pump then pumps the drawn in fuel to the fuel filter.
In the fuel filter, contaminants are removed from the fuel and the fuel is then pumped on to the high-pressure pump.
In the high-pressure pump, the fuel pressure is limited to approx. 4.5 to 6.0 bar by the fuel overflow valve .

Fuel return flow
The leak fuel from the fuel injectors, the lubricating fuel from the high-pressure pump and the reduced fuel from the pressure regulator valve and the high-pressure pump returns to the fuel tank via the fuel return.
The returned fuel serves: