

**ENGINE 601, 602, 603 (except 602.982)**

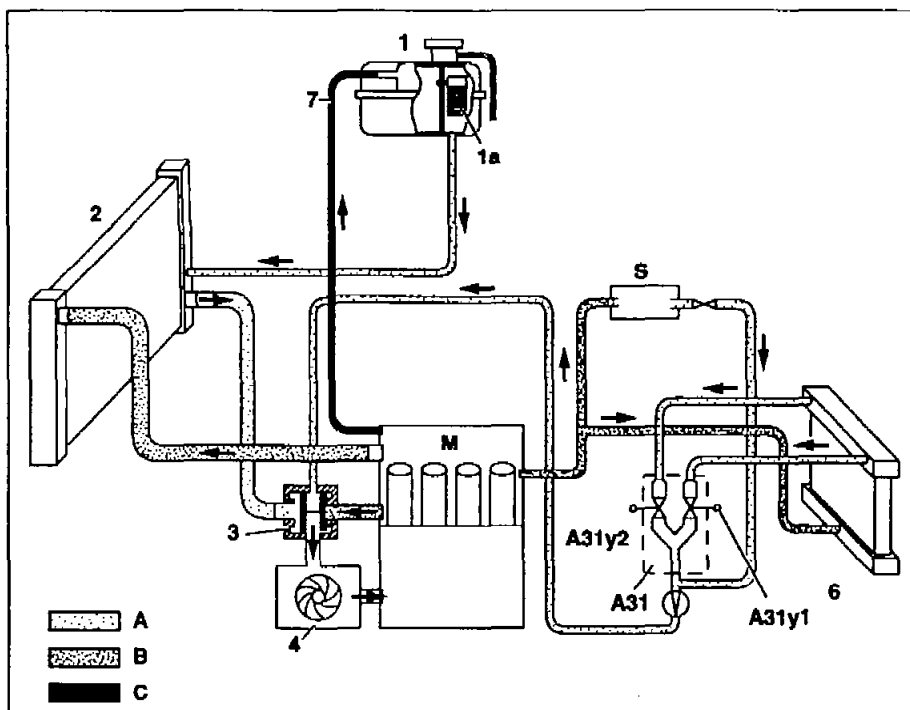
Engine 601 has a sealed cooling system. The coolant circuit is regulated by the coolant thermostat (3).

A distinction is made between the bypass mode (up to approx. 85 °C), mixing phase (85 - 100 °C) and operating state (above 100 °C).

The coolant temperature in the heating system heat exchanger (6) is controlled by means of the duo valves (A31y1, A31y2). The temperature-related volumes of the cooling system are compensated for in the expansion reservoir (1).

A silica gel tank (1a) is installed additionally in the expansion reservoir (1) on engine 601.913 as a corrosion protection.

Coolant may flow out at the overflow line at high ambient temperatures after the engine is switched off.



P20.00-0406-06

An overflow reservoir is fitted to engine 603.96.

The overflow reservoir protects the engine from loss of coolant at high ambient temperatures.

At high ambient temperatures, fuel may flow out at the overflow line after the engine is switched off. The overflow reservoir collects this fuel which flows out.

Once the engine and the coolant have cooled down, a vacuum exists in the cooling system which transports the coolant back out of the overflow reservoir into the expansion reservoir.

GF	Warming-up phase function		GF20.00-P-1001A GF20.00-P-1001A
GF	Part load operation function		GF20.00-P-1002A GF20.00-P-1002A
GF	Full load operation function		GF20.00-P-1003A GF20.00-P-1003A
GF	Coolant circuit as-built configuration	ENGINE 601.91, 602.91, 603.91 (except 601.913) ENGINE 602.96, 603.96 /97 ENGINE 601.913 in MODEL 202	GF20.00-P-1101A GF20.00-P-1101A GF20.00-P-1101B GF20.00-P-1101B GF20.00-P-1101C GF20.00-P-1101C