

**Engine**

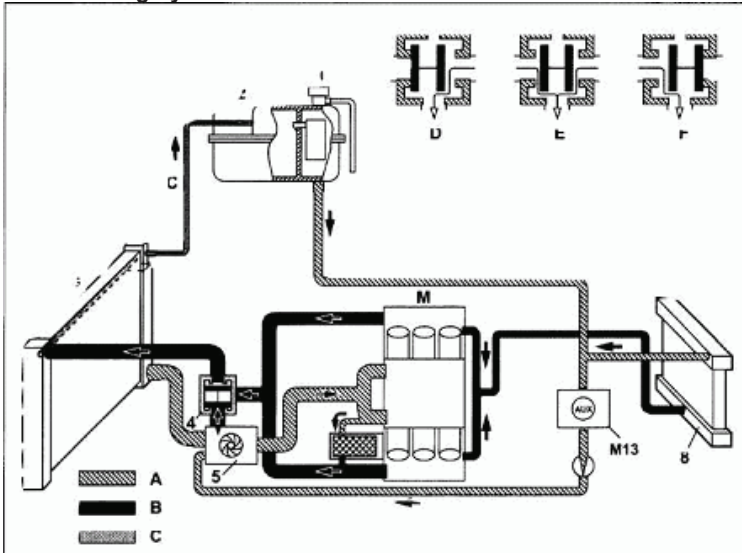
**Engine Cooling System**

**System Description**

The cooling system is conventional. However, an auxiliary electric coolant pump is added to provide consistent engine temperature control during warmups and after engine shut down.

The engine coolant flow path diagram shows the coolant circulation through the engine, cabin heater, cross-flow radiator, and auxiliary components.

**M112 Cooling System**



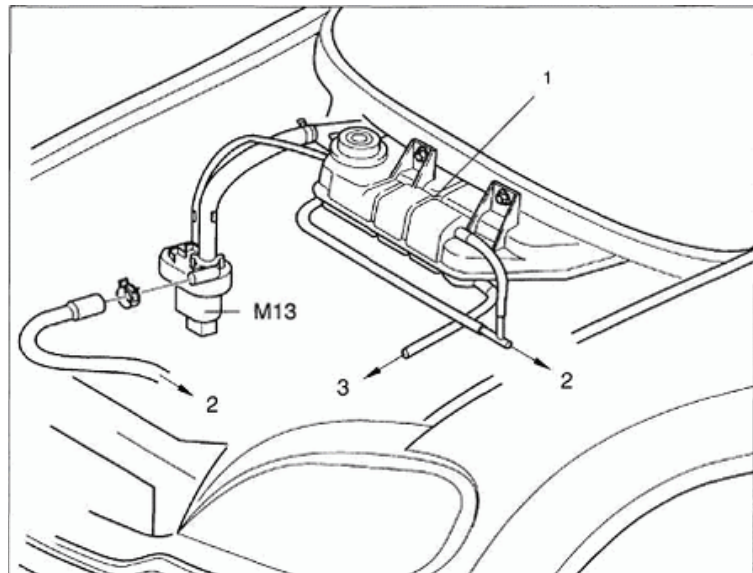
- 1 Coolant filler fitting
- 2 Coolant expansion reservoir
- 3 Radiator
- 4 Thermostat
- 5 Water pump
- 8 Heat exchanger
- A Coolant return
- B Coolant feed
- C Vent
- D Bypass operation (<87°C)
- E Mixed phase (>87°C <102°C)
- F Operating state (>102°C)
- M Engine
- M13 Coolant circulation pump

MBSI.20-0001

**Component Location**

The auxiliary coolant pump is bracket-mounted on the passenger side inner fender next to the engine block

- 1 Radiator coolant tank
- 2 To engine
- 3 To radiator
- M13 Auxiliary coolant pump



3830010

**Component Description**

**Auxiliary Coolant Pump**

The auxiliary coolant pump is controlled by the All Activity Module (AAM N10).