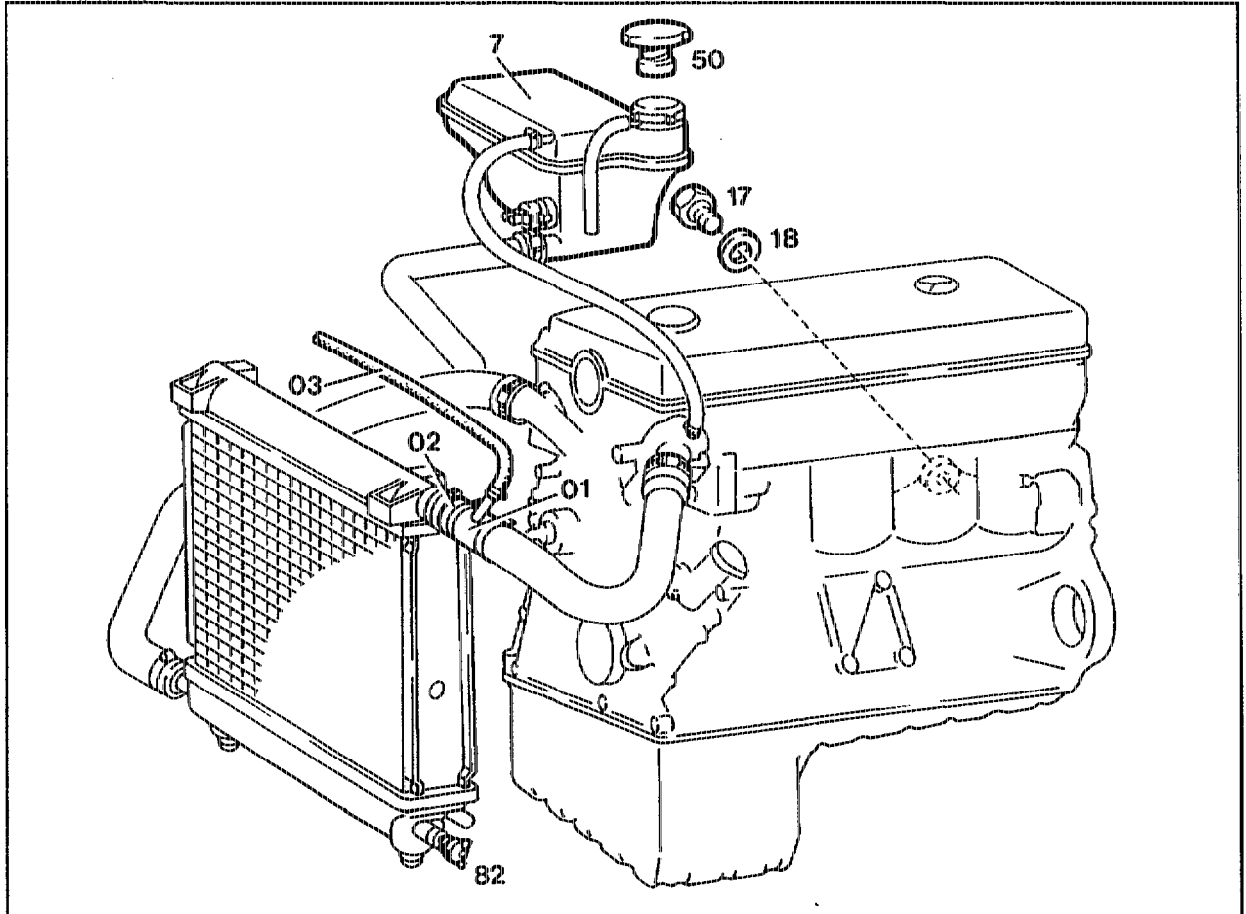


## 20-0150 Flushing cooling and heating system

Preceding work:  
 Warning instructions when hood open (01-0085)  
 Coolant drained (20-0100)

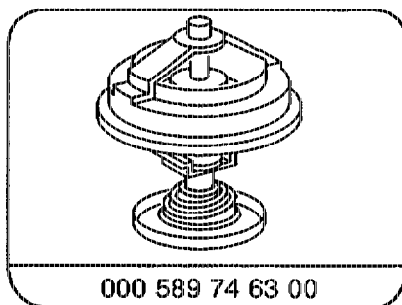
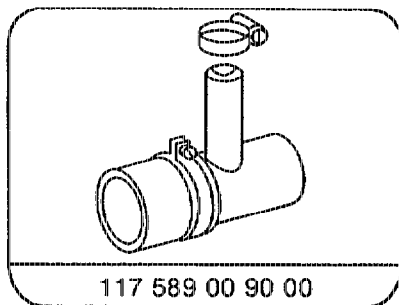
Operation no. of operation texts and work units or standard texts  
 and flat rates:



P20-0083-57

Coolant thermostat .....	remove and install pressure-opened thermostat part no. 000 589 74 63 00, remove (step 1).
Flushing connection pipe (01) .....	install and connect tap water hose (steps 2 and 3).
Cooling system .....	flush (steps 4 to 9).
Cooling system .....	check for leaks (20-0170).

## Special tools



## Workshop equipment

Anticorrosion/antifreeze agent

000 989 08 25

### Note

High coolant temperatures and low heating capacity may be caused, for example, by deposits of corrosion products in the radiator or in the heat exchanger.

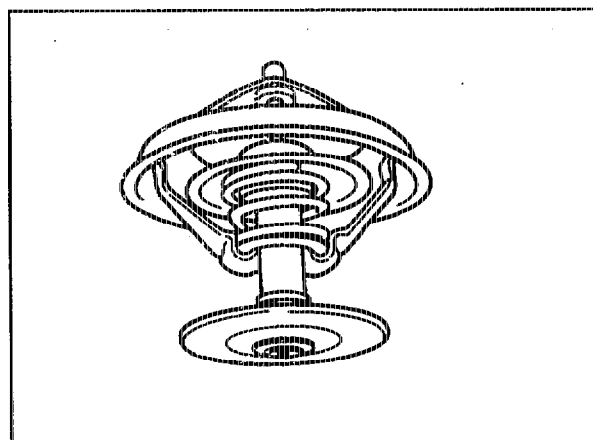
The deposits are recognizable as a jelly-like mass or, when the radiator is emptied and dry, from a grey layer on the radiator connection pipes.

In this case, flush the cooling and heating system with water.

If the cooling pipes of the radiator are already completely or partially clogged by deposits, the radiator must be replaced.

### Procedure

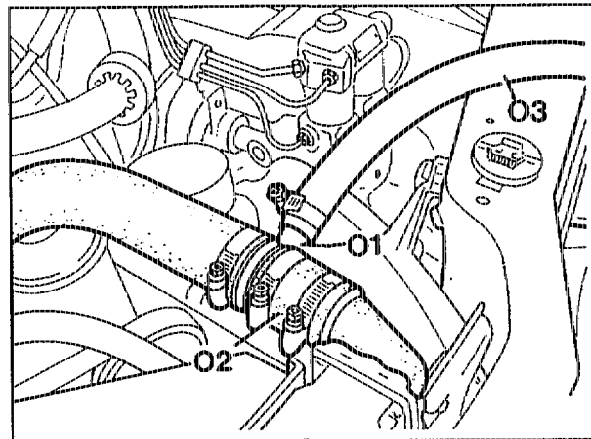
1 Remove coolant thermostat and install pressure-opened thermostat 000 589 74 63 00 with seal.



P20-2141-13

2 Fit flushing connection pipe (01)  
117 589 00 90 00 together with connection  
hose (02) between radiator and coolant hose.

3 Fit a tap water hose (03) onto the flushing  
connection pipe (01).



P20-2142-13A

4 Open cap of expansion reservoir.

5 Set heater to "warm".

6 If model fitted with circulation pump, switch  
on circulation pump.

To do this, switch on ignition and:

a) On models with automatic heater, set  
temperature selectors to "Max" position.

b) On models with air conditioning (automatic),  
press "Defrost" pushbutton.

7 Open bleeder valve of auxiliary heater.

8 Run engine at about 2500 rpm and flush  
cooling and heating system for about  
15 minutes with flowing water.

The cooling system must always be completely  
filled during the flushing operation.  
Regulate the quantity fed in accordingly.

9 Drain the flushing water completely in the  
radiator and crankcase; tighten drain plugs  
(17 and 82). Replace seal (18).

10 Remove flushing connection pipe and  
connect coolant hose to the radiator.

11 Install normal coolant thermostat with new  
seal.

12 On models fitted with stationary heater,  
connect plastic hose to bleeder valve and open  
valve.

13 Pour in fresh coolant (20-0100).

14 Check cooling system for leaks (20-0170).