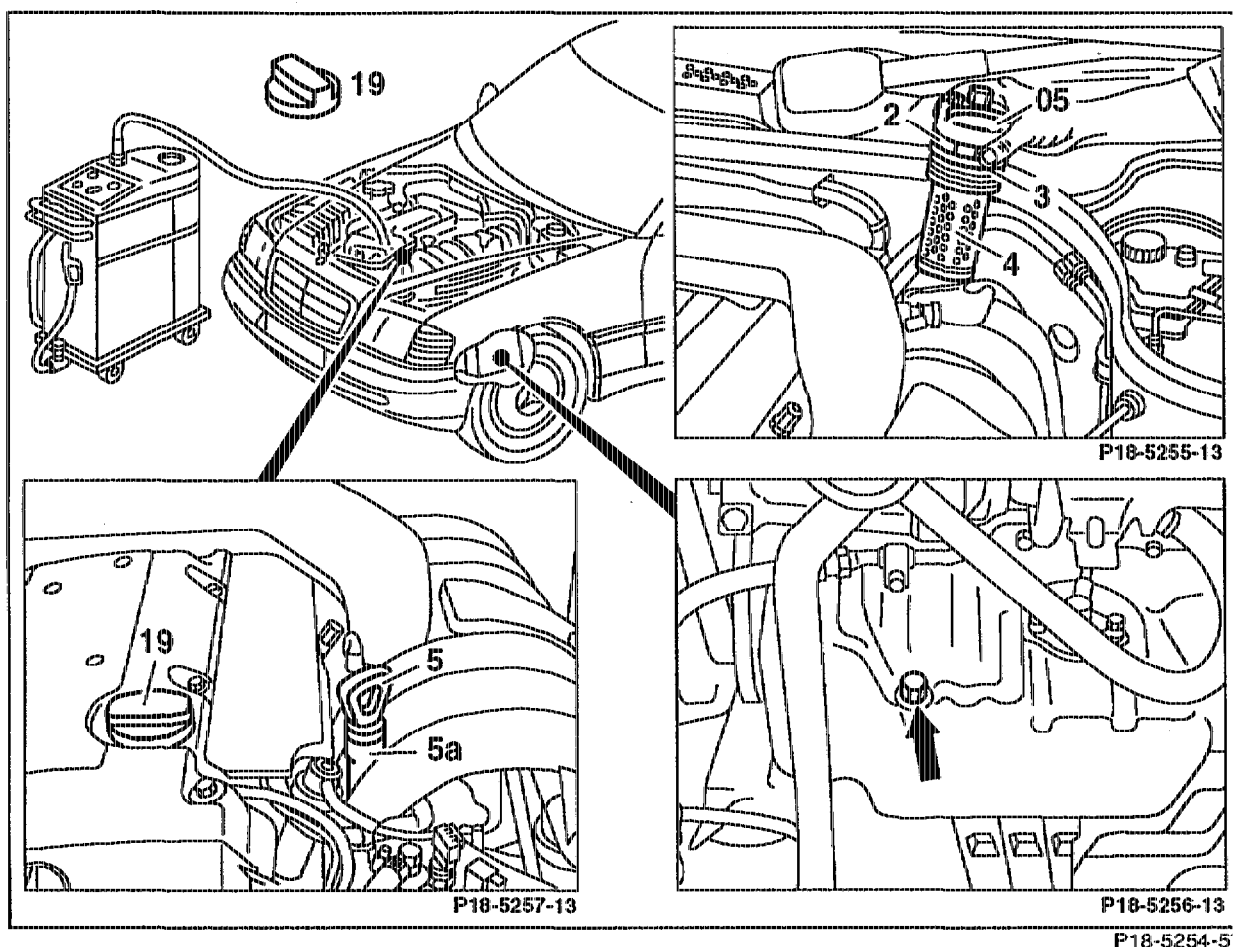


## 18-0020 Changing engine oil and filter

Preceding work:  
Warning instructions when hood open (01-0085)  
Model 140: Air cleaner removed.

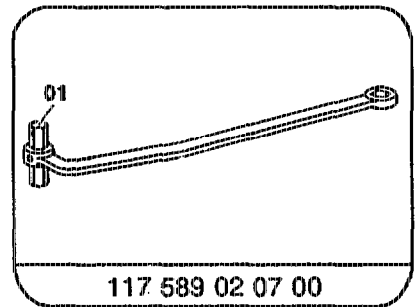
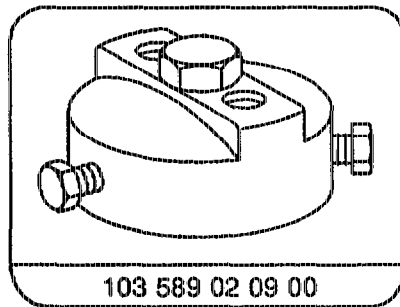
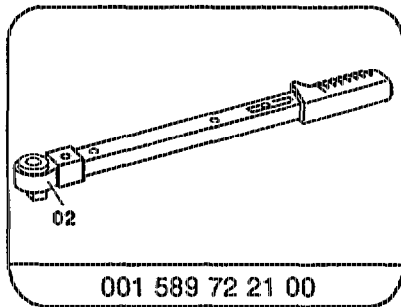
Operation no. of operation texts and work units or standard texts  
and flat rates:  
00-6200



Screw cover (2) .....	unscrew with wrench socket insert (05) 103 589 02 09 00 so that engine oil in oil filter flows off into sump.
Screw cover (2) and oil filter element (4) .....	remove.
Engine oil .....	extract through dipstick guide tube (5a) when engine at operating temperature.
Engine oil .....	drain out of sump if no extraction device available; remove bottom engine compartment panel for this operation (see Maintenance Manual 6190). Unscrew oil drain plug (arrow).
Seal on oil drain plug (arrow) .....	replace.
Oil drain plug (arrow) .....	screw on (25 Nm).

Seal (3) in screw cover (2) .....	replace.
New oil filter element (4) .....	insert into oil filter.
Screw cover (2) .....	install, tighten (25 Nm).
Cap (19) .....	open, pour in engine oil.
Engine .....	run, check for leaks.
Oil level .....	check at dipstick (5) approx. 2 minutes after switching off warm engine.

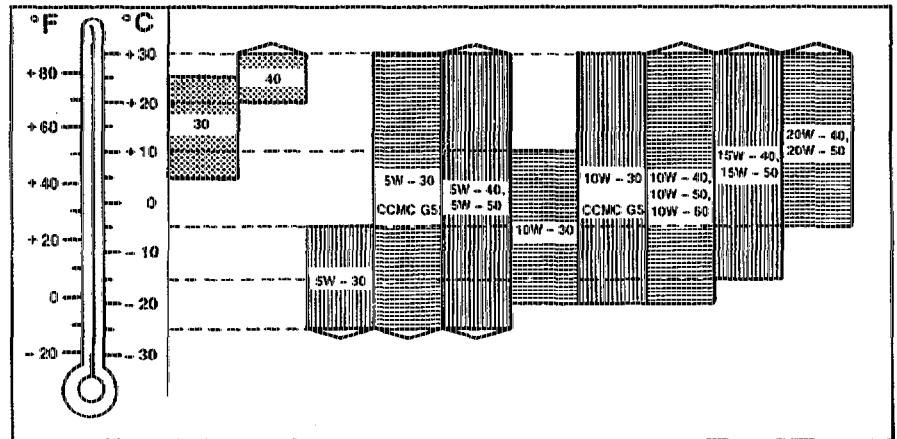
**Special tools**



**SAE specified viscosity classes at prolonged outside temperatures**

Exact use of SAE classes on the basis of the outside air temperature would necessitate frequently changing the engine oil. The temperature limits for the SAE classes should therefore be regarded as a guideline which may be transgressed for short periods.

Reference should be made to the "Specifications for Service Products" for further information regarding specified viscosity classes and approved engine oils.



P18-5179-33A

Engine	Model	Capacity when changing oil and filter
104.980/981 104.941/942/943 104.992	124, 129, 202	7.0
104.944/990/991/994	140	7.0
104.945/995	210	7.0

#### Tightening torques in Nm

Oil drain plug to oil sump	25
Screw cover	25

#### Note

Dipstick identification see (18-3500).