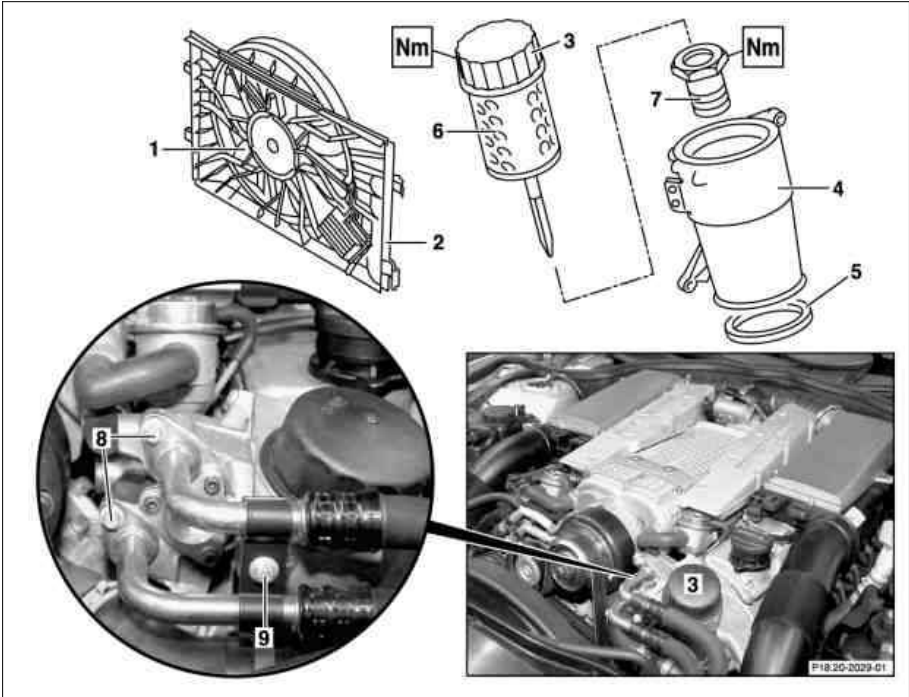


ENGINE 113.990 in MODEL 211.076 /276
ENGINE 113.991 in MODEL 215.374, 220.074 /174
ENGINE 113.992 in MODEL 230.474
ENGINE 113.989 in MODEL 171.473
ENGINE 113.995 in MODEL 230.472

Shown on engine 113.992

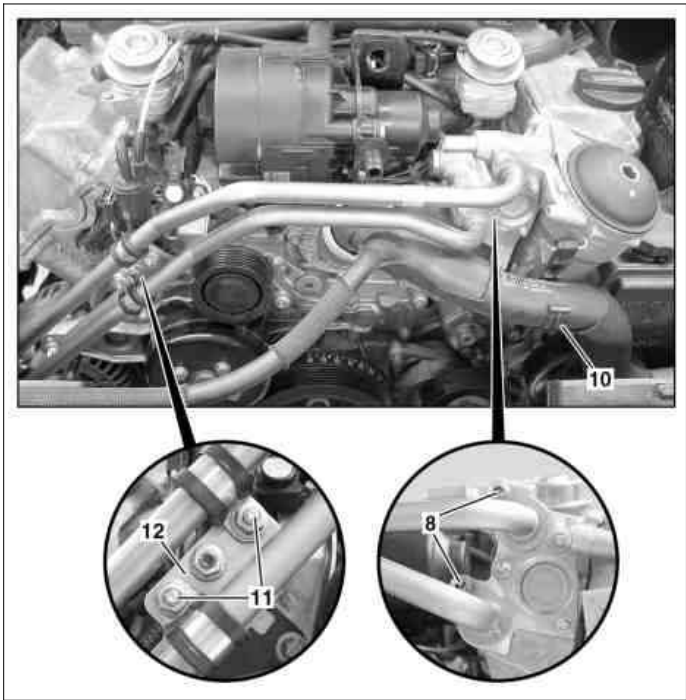
- 2 Fan shroud
- 3 Oil filter housing cap
- 4 Oil filter housing
- 5 Sealing ring of oil filter housing
- 6 Oil filter element
- 7 Bolt for oil filter housing
- 8 Bolts for oil lines
- 9 Bolt for oil lines bracket



P18.20-2028-06

Shown on engine 113.989

- 8 Bolts for oil lines
- 10 Coolant hose bracket
- 11 Nuts
- 12 Bracket for oil lines



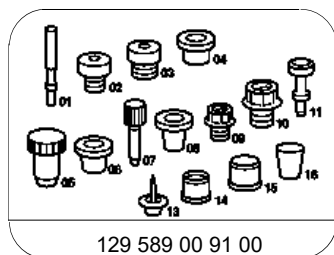
P18.20-2059-12

	Remove/install		
1	Remove top engine cover	i Detach top engine cover at both air filter housings and at bracket from top, see: ↓ Remove air filter housing: Model 211, 215, 220, 230 Model 171	AR09.10-P-1150SVK AR09.10-P-1150AC
2.1	Remove fan shroud (2).	Model 215, 220, 230 Model 211	AR20.40-P-6800AB AR20.40-P-6800TC
3.1	Remove coolant hose (10) bracket on oil filter housing (4)	Model 171	

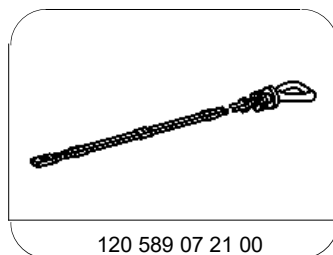
4	Unscrew oil filter housing cover (3)	 Allow oil filter housing (4) to run empty. 	*BA18.20-P-1001-01D
5.1	Unscrew bolts of bracket for oil lines (9)	All except model 171 	*BA18.20-P-1004-01D
5.2	Remove nuts (11) at bracket for oil lines (12)	Model 171	
6	Unscrew bolts for oil lines (8)		*BA18.20-P-1003-01D
7	Remove oil lines and close	 Installation: Install new seal in order to prevent oil loss.  Set of plugs	*129589009100
8	Unscrew bolt for oil filter housing (7)		*BA18.20-P-1002-01D
9	Remove oil filter housing (4)	 Installation: Replace sealing ring of oil filter housing (5), in order to avoid oil leakage.	
10	Install in the reverse order		
11	Check engine oil level, if necessary adjust to correct level	Model 171 Model 215, 220 Model 211, 230  Dipstick	AR18.00-P-3035-01PC AR18.00-P-3035-01DA AR18.00-P-3035-01O *120589072100

Oil filter

Number	Designation		Engine 113.989	Engine 113.990/ 991/993	Engine 113.992/ 995
BA18.20-P-1001-01D	Screw cap to oil filter	Nm	25	25	25
BA18.20-P-1002-01D	Bolt connecting oil filter housing to timing case	Nm	70	70	70
BA18.20-P-1003-01D	Bolt connecting oil line to oil filter housing	Nm	9	9	10
BA18.20-P-1004-01D	Bolt of oil line bracket	Nm	-	10	10



Set of plugs



Measuring rod