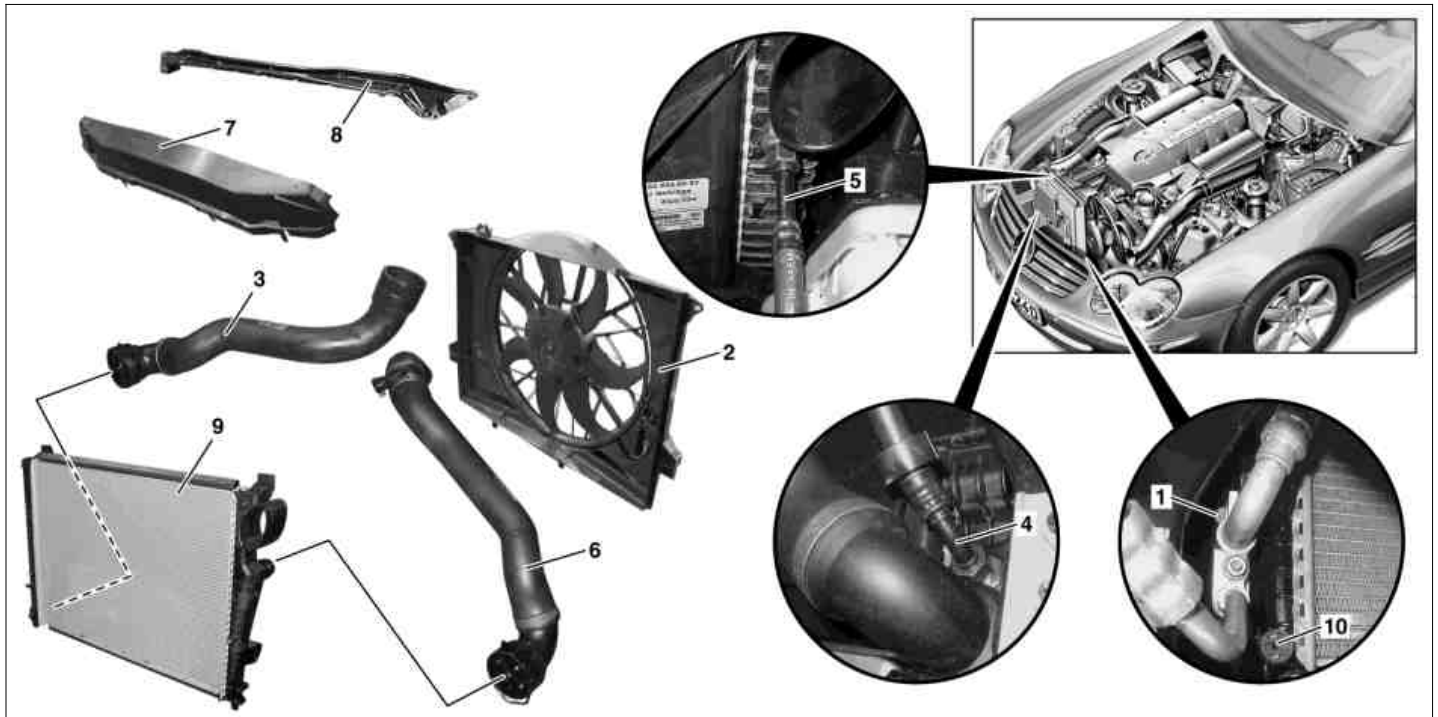


ENGINE 113.963 in MODEL 230.475
 ENGINE 113.992 in MODEL 230.474
 ENGINE 112.973 in MODEL 230.467
 ENGINE 275.951 in MODEL 230.476
 ENGINE 113.995 in MODEL 230.472
 ENGINE 275.954 in MODEL 230.477







P20.20-2114-09


- | | |
|----------------|---------------------------|
| 1 Bolt | 7 Plastic cover |
| 2 Fan shroud | 8 Radiator crossmember |
| 3 Coolant line | 9 Radiator |
| 4, 5 ATF line | 10 Drain plug on radiator |
| 6 Coolant line | |

Modification notes

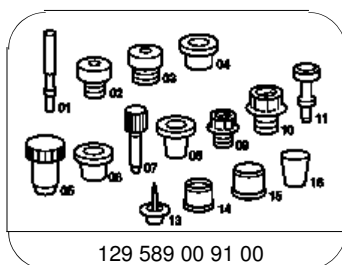
22.11.02	Detach bracket at radiator - added	Step 14	
22.11.02	Remove right air intake pipe - added	Step 6	

	Remove/install		
Danger!	Risk of death caused by vehicle slipping or toppling off the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
Danger!	Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning caused by swallowing coolant.	Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
1	Remove front part of engine compartment paneling		AR61.20-P-1105R
2	Remove paneling on left below bumper		
3	Remove bolt (1)		
4	Open drain plug (10) at radiator (9) and drain coolant	Model 230.467 Model 230.472/ 474/ 475 Model 230.476/ 477	AR20.00-P-1142HA AR20.00-P-1142RVK AR20.00-P-1142H AH20.00-P-1142-01V
	Notes on coolant		

5	Remove fan shroud (2).	Model 230.467 /472 /474 /475 Model 230.476/ 477	AR20.40-P-6800AB AR20.40-P-6800AC
6.1	Remove right air intake pipe to air filter	Model 230.467 /472 /474 /475	
7	Detach coolant line (3) at radiator (9)		
8	Detach automatic oil lines (4, 5) at radiator (9)	 Close automatic oil lines.  	*129589009100 *BA20.20-P-1001-01A
9	Remove coolant line (6) at radiator (9)		
10	Pull off hood seal		
11	Remove plastic cover (7)		
12	Detach radiator crossmember (8)		
13	Detach coolant line to expansion reservoir at radiator (9)		
14	Detach bracket of refrigerant line at radiator		
15	Detach capacitor from radiator (9)		
16	Take out radiator (9)	 Installation: The studs of the radiator must be seated at the bottom in rubber mounts of crossmember.	
17	Install in the reverse order		
18	Pour in coolant	Model 230.467 Model 230.472/ 474/ 475 Model 230.476/ 477	AR20.00-P-1142HA AR20.00-P-1142RVK AR20.00-P-1142H
19	Check transmission oil level and correct if necessary	Transmission 722.6 Transmission 722.9	AR27.00-P-0100AC AR27.00-P-0270W
20	Inspect cooling system for leaks	Model 230.467 Model 230.472/ 474/ 475 Model 230.476/ 477	AR20.00-P-1010HA AR20.00-P-1010RVK AR20.00-P-1010HN

 Radiator, coolant hoses

Number	Designation		Engine 112 except 112.942/970, engine 113.940/941/ 943/944/945/ 946/948/960/ 961/962/963/ 966/967/968/ 969/980/982/ 984/986/992/ 993/995	Engine 275
BA20.20-P-1001-01A	Union nut, automatic transmission oil line to radiator	Nm	20	25



Set of stop plugs