

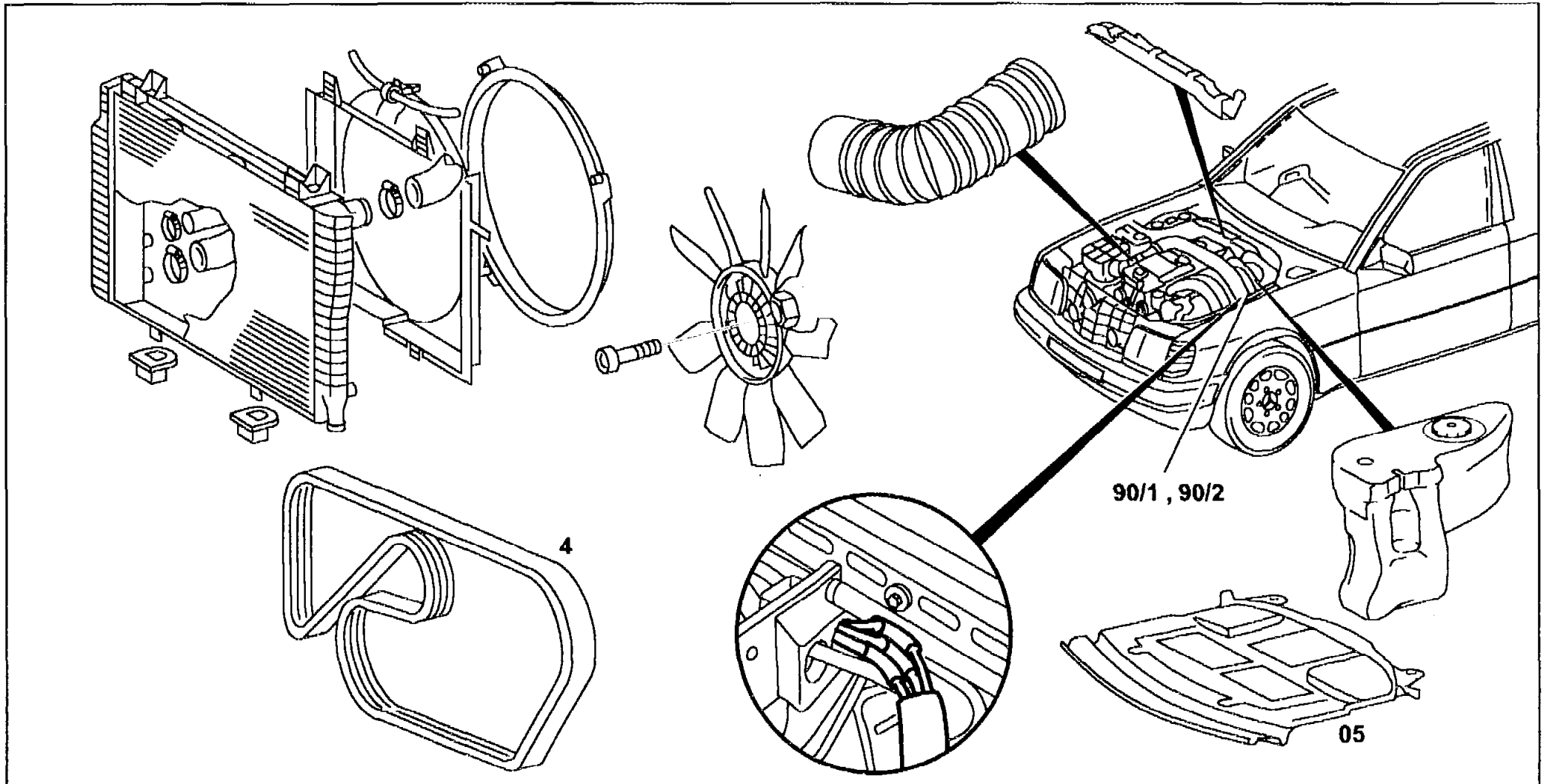
G4

AR01.10-P-2400HB

Removing, installing engine

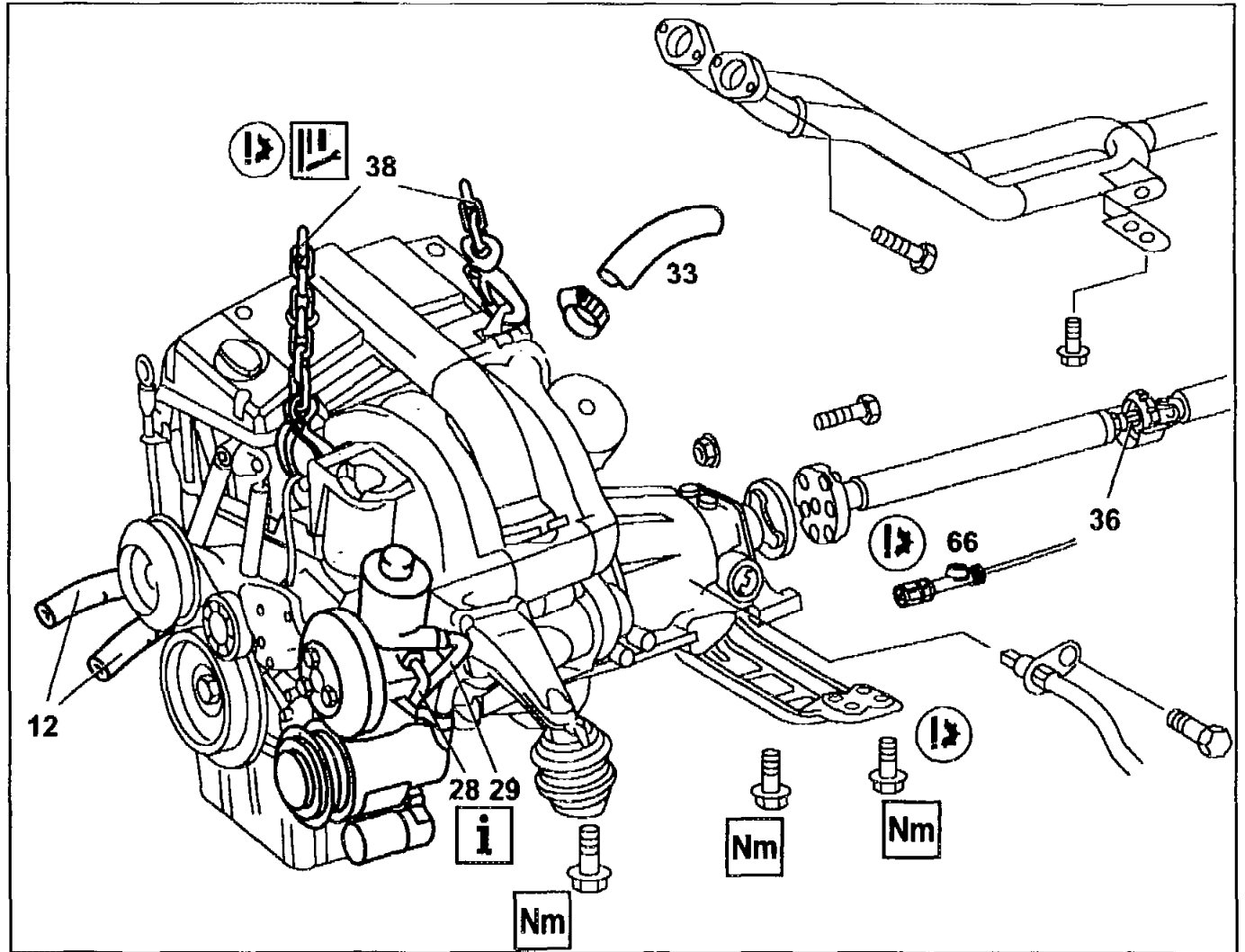
10.2.94

ENGINE 605, 606 in MODEL 124
ENGINE 606.961 in MODEL 140

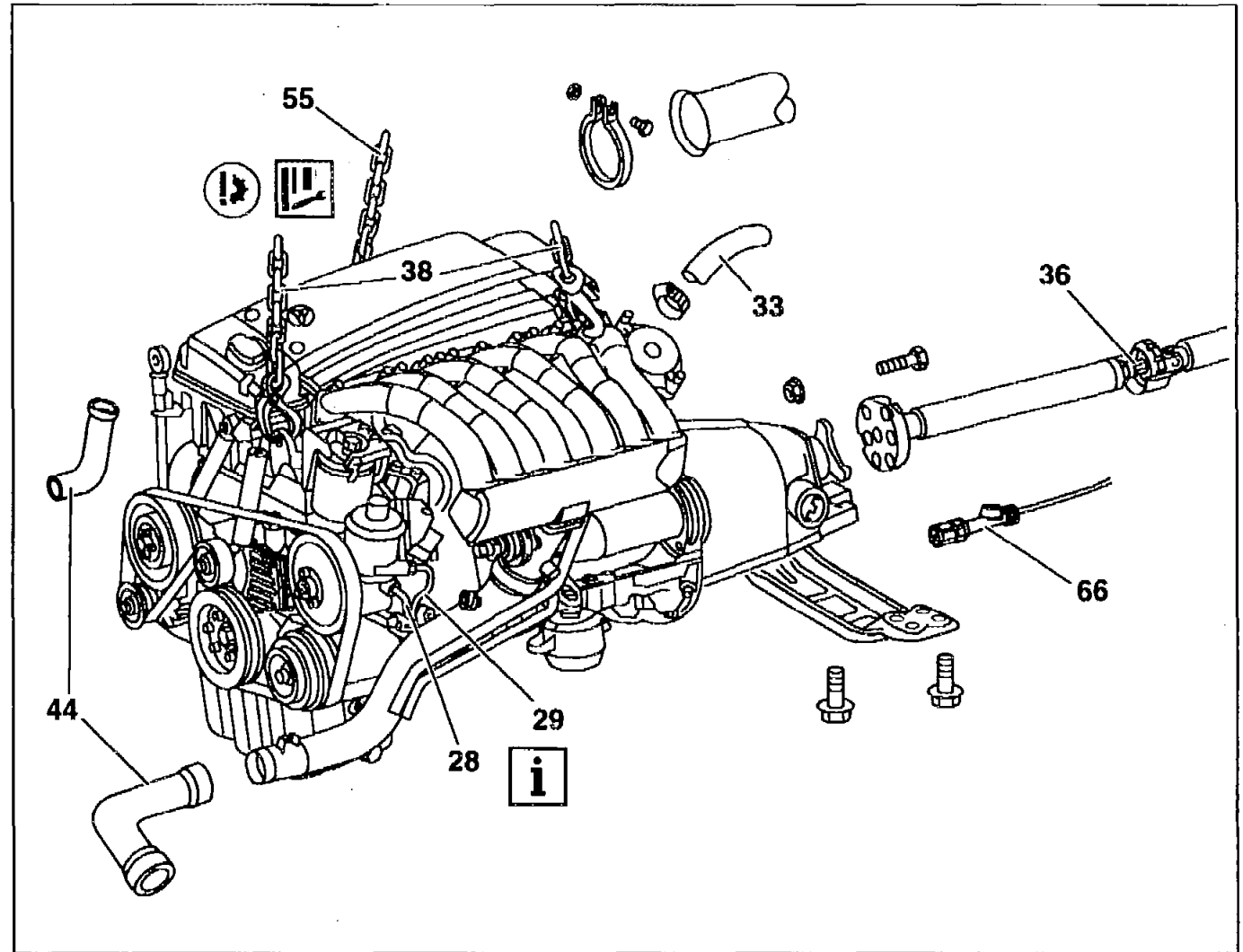






Shown on engine 604










Shown on engine 606.961












P01.10-0293-06








 	<p>Removing, installing</p>		
<p>1</p>	<p>Disconnect ground cable of battery</p>		<p>AR54.10-P-0003A</p>
<p>2</p>	<p>Remove engine compartment trim panel</p>		






 Danger! 3	Risk of explosion from ignition. Risk of poisoning from inhaling and swallowing fuel. Risk of injury as a result of fuel coming into contact with skin and eyes. Drain coolant, pour in	No fire, naked flame or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.  At radiator and crankcase	AS47.00-Z-0001-01A L17 AR20.00-P-1142HW
4	Unbolt exhaust system at exhaust manifold and transmission intermediate bearing		
5.1	Disconnect ATF lines	if automatic transmission fitted  Seal openings  Installation: Inspect ATF level, correct if necessary	
6.1	Remove charge pressure hoses (44)	Engine 606.961	
7.1	Remove viscous fan clutch	 Left-hand thread	AR20.40-P-5660A
8	Remove radiator		AR20.20-P-3865A
9.1  WF	Attach guard plate for radiator/condenser Guard plate for radiator/condenser	if AC fitted (code 580, 581) if AC fitted (code 580, 581)	WF58.50-P-0110-01A E18
10.1	Remove poly V-belt (4)	if AC fitted (code 580, 581)	AR13.22-P-1202HA
11	Disconnect lines of vacuum supply	Mark lines if necessary	
12	Disconnect coolant hoses (12, 33) at cylinder head and at coolant thermostat housing	 Installation: inspect condition of hose clips and hoses, replace if necessary.	



		 	WH58.30-Z-1001-06A WH58.30-Z-1002-06A
13	Disconnect engine wiring harness	Model 124 Model 140	AR01.00-P-2410HB A3 AR01.00-P-2410G G2
 Danger!	Risk of explosion from ignition. Risk of poisoning from inhaling and swallowing fuel. Risk of injury as a result of fuel coming into contact with skin and eyes.	No fire, naked flame or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.	AS47.00-Z-0001-01A L17
14	Disconnect fuel lines (90/1, 90/2)	 Disconnect the lines at the body side and connect to a section of hose.	
15	Unbolt lines of power steering pump (28, 29)	 Before disconnecting the lines, extract oil at reservoir.  	BA46.30-P-1002-01A BA46.30-P-1003-01A
16.1	Unbolt AC compressor	if AC fitted (code 580, 581)  Attach AC compressor at bottom of engine compartment with piping connected.	
17.1	Disconnect lines of engine oil cooler	 Model 140: collect engine oil which flows out when disconnecting at engine oil cooler. Attach lines of engine oil cooler at engine.	

18	Detach shift rods at transmission	manual transmission automatic transmission	AR26.10-P-0020A RA27.0600
19.1	Separate clutch line	manual transmission	AR25.20-P-0150A
20	Unbolt propshaft (36) at transmission	 Model 124: slacken clamping nut of propshaft	AR41.10-P-0050EA
21.1	Remove cable for park lock interlock (66), install	automatic transmission 722.6  Only in selector lever position "P"  Installation: ↓ Adjust cable for park lock interlock	AR27.60-P-1000B AR27.60-P-0965B
22.1	Separate plug connection of electrical control unit at transmission	automatic transmission 722.6	
23	Unbolt engine mount at front of body		AR22.10-P-1260HA
24	Remove rear engine mounts	 Support transmission Model 124 Model 140	AR22.10-P-1160HA AR22.10-P-1160HB
25	Raise engine, remove	 Ensure that the injection line is not damaged when attaching to the front engine lifting eye!  Engine 606: attach chain (55) at exhaust manifold and hook in at 3rd lifting hook of engine hoist. 	AR01.10-P-7500-03HA A15 WH58.30-Z-1001-07A

			WH58.30-Z-1002-07A
26	Install in the reverse order		
27	Inspect cooling system for leaks	 Engine with new cylinder head gasket: Do not pressure-test cooling system until engine has reached operating temperature.	AR20.00-P-1010HA
 Danger!	Risk of accident as a result of vehicle starting off when engine running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it starting off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A J17
28	Run engine and inspect for leaks		
29	Read fault memory, erase.	Stored faults which may be caused by disconnecting cables or by simulation when carrying out removal and installation or test work, have to be processed and erased in the fault memories after completing the work. Diagnosis Manual Volume 1.1: Index 0: Connecting and using test equipment	

**Nm** Power steering pump

Number	Designation		Model 124	Model 140
BA46.30-P-1002-01A	Return flow line at power steering pump	Nm	40	40
BA46.30-P-1003-01A	High pressure expansion hose at power steering pump	M14x1.5	Nm 30	–
		M16x1.5	Nm 50	50

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e.g.)	Order number
WH58.30-Z-1001-06A	6 mm wrench hexagon on flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-6
WH58.30-Z-1002-06A	7 mm wrench hexagon on flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-7
WH58.30-Z-1001-07A	Engine hoist (self-locking)	Bäcker Herderstraße D-42853 Remscheid	3188
WH58.30-Z-1002-07A	Shackle		C1 DIN 82101