



<b>D10</b>	AR22.10-P-1260HA	<b>Removing and installing front engine mounts and/or engine brackets</b>	<b>2.4.93</b>
------------	------------------	---	---------------

**ENGINE 111, 605, 606 in MODEL 124**

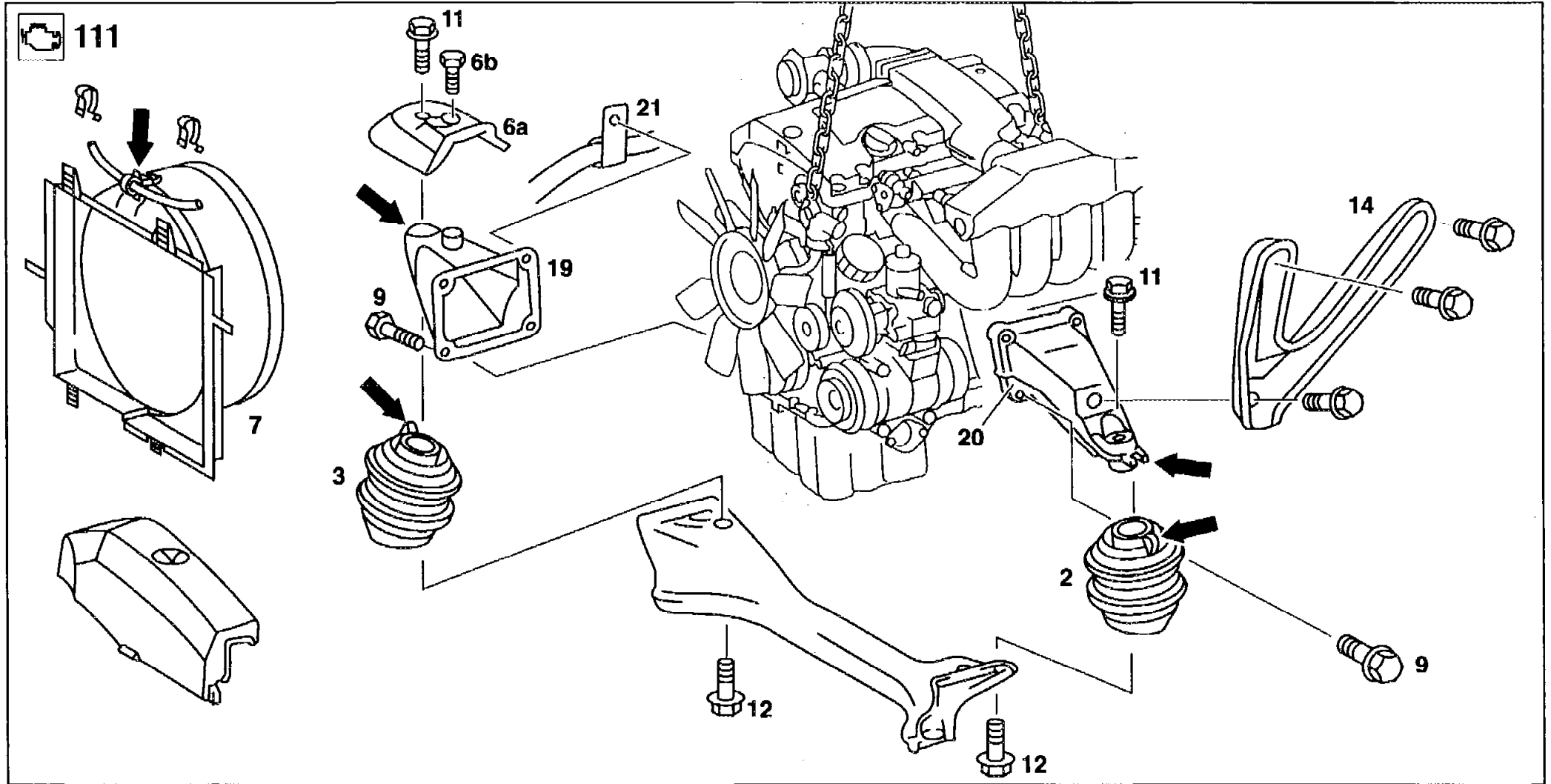
**ENGINE 606.961 in MODEL 140**

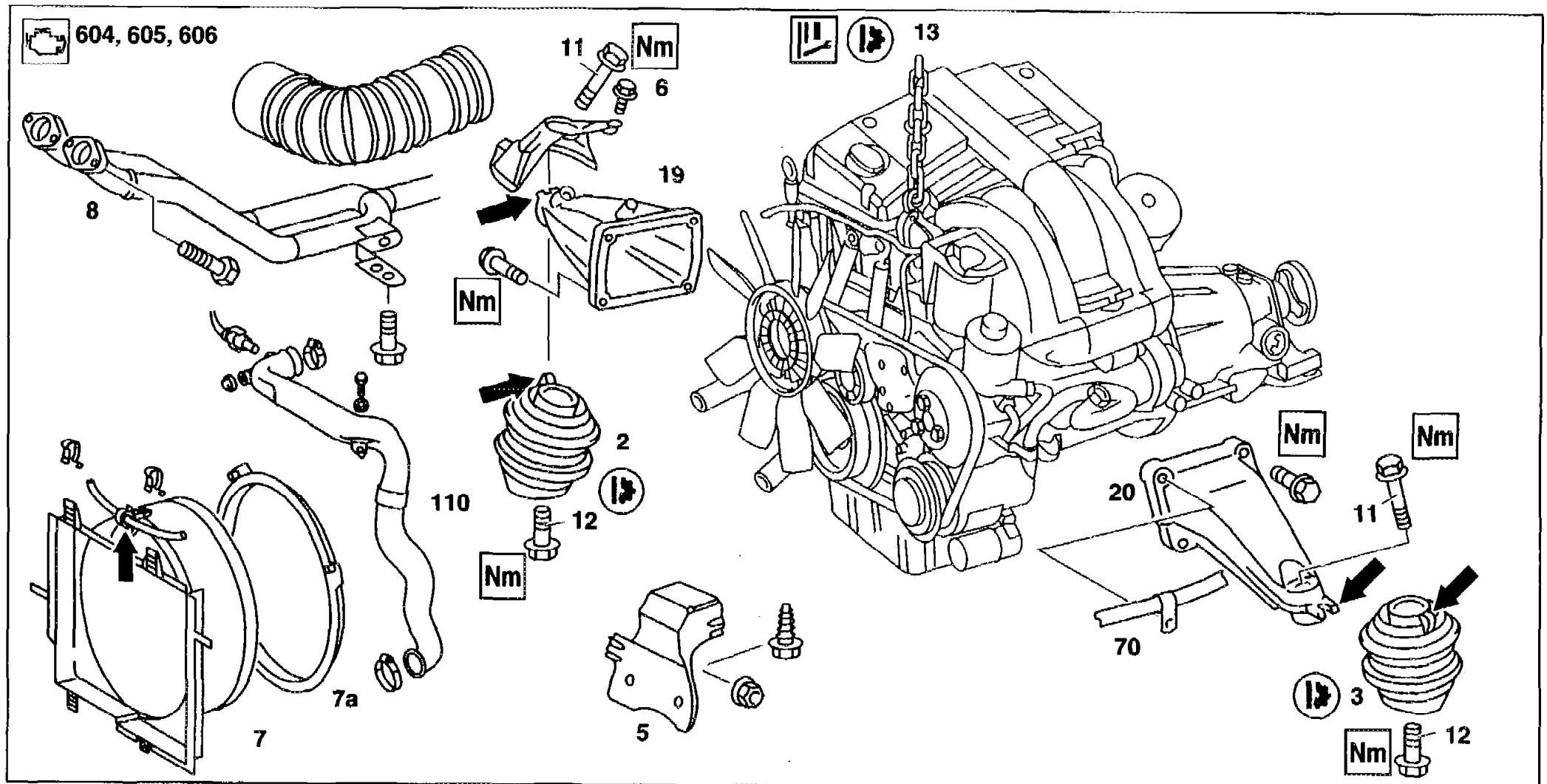
**ENGINE 111 in MODEL 170**

**ENGINE 111, 604, 605 in MODEL 202**



**ENGINE 111, 604, 605, 606.912 /962 in MODEL 210**









**ENGINE 111 in MODEL 208**




















P22.10-0210-09

 	<p>Removing, installing</p>		
<p>1.1</p>	<p>Loosen charge air pipe (110) on radiator</p>	<p>Engine 605.960 in model 202, engine 605.962 in model 210</p>	<p>AR09.41-P-1311H</p>

2.1	Detach fan shroud (7) and place above viscous fan	Engines 111/604/605, 606.912 in models 208, 210  Installation: Adjust fan shroud (7) at fan.	AR20.40-P-6800HA	<b>09</b>
2.2	Detach fan shroud (7) and remove upwards	Engine 606.962 in model 210	AR20.40-P-6800HA	<b>09</b>
2.3	Rotate and remove fan shroud ring (7a) from engagement lugs on the fan shroud (7)	Engine 606 in model 124  Installation: Ensure correct seating of fan shroud ring (7a) in engagement lugs of fan shroud (7).	AR20.40-P-6800HA	<b>09</b>
3.1	Unscrew intake manifold support (14)	Engine 111 with aluminum intake manifold		
4.1	Remove steering idler arm heat shield (5) on right engine mount	Engines 111.943/946/973 in model 170 Engines 111.944/975/604/605 in model 202 Engines 111.944/945/975 in model 208		
5.1	Unscrew bolts of engine mount (11) from engine support	 Models 124, 170, 202, 208 combined bolt and washer  Except engine 605.960 in model 202 right engine mount   Model 210 combined bolt and washer 	BA22.10-P-1004-01A  BA22.10-P-1004-01D BA22.10-P-1004-01A BA22.10-P-1004-01D	
6.1	Unscrew bolts of engine mount (12) from frame cross member	Model 140, left and right  		BA22.10-P-1008-01D



7.1	Unscrew bolts of engine mount (12) on frame cross member or front axle carrier	 Models 124, 170, 202, 208 combined bolt and washer   Model 210 combined bolt and washer 	BA22.10-P-1001-01A  BA22.10-P-1008-01D BA22.10-P-1008-01A BA22.10-P-1001-01D
8	Raise engine at front suspension lug	 Ensure that the injection line to the front suspension lug on the engine is not damaged and that the rear of the engine does not contact the body. Do not overstretch coolant hoses. Model 170:  Pay attention to tension in hose on power steering pump and loosen if necessary.   	          WH58.30-Z-1001-07A WH58.30-Z-1002-07A
9.1	Unscrew bolts of engine mount (11) from engine carrier	Engine 140, left engine mount  	BA22.10-P-1004-01A

<p>10.1</p>	<p>Unbolt engine carrier (19) together with engine mount (2) at crankcase</p>	<p> Engine mount on right as bolt (11) is not accessible because of turbocharger or supercharger.                  Engine 605.960 in model 202                  Engine 111.944/975 in model 202                  Engine 111.944/975 in model 208                  Engine 111.947 in model 210                  Engine 605.962 in model 210                  Engine 606.961/962</p> <p></p>	<p>WH58.30-Z-1002-07A</p>
<p>11</p> <p></p>	<p>Remove engine mounts (2, 3)</p> <p>Environmental protection regulations for disposing of engine mounts</p>	<p> The anti-twist locks (arrows) in engine mounts (2) and (3) must engage in the retaining grooves in the engine supports (19) and (20) (arrows).                  Model 170: To remove the left engine mount, loosen the steering shock absorber</p> <p>Supply engine mounts to mixed scrap</p>	
<p>12</p>	<p>Unscrew engine supports (19, 20)</p>	<p> On automatic transmission, observe bracket for transmission wiring harness (70 or 21)</p> <p> Models 124, 140, 202, 208, 210 combined bolt and washer</p> <p></p>	<p>BA22.10-P-1005-01A</p> <p>BA22.10-P-1005-01D</p>

13.1	Unscrew heat shield (6) from engine mount (19)	Nm Model 140	BA22.10-P-1004-01D
		Models 124, 202, 208, 210	
		Nm	
		Nm	BA22.10-P-1007-01D
14	Install in reverse order		

**Nm** Engine suspension, engine mounts, engine supporting brackets

Number	Designation			Engine 111 in model 124	Engine 111 in model 170, 202, 208	Engine 111 in model 210
BA22.10-P-1001-01A	Bolt of engine mount to frame crossmember	M 8	Nm	-	25	-
		M 10	Nm	40	-	-
BA22.10-P-1004-01A	Bolt of engine mount to engine supporting bracket		Nm	55	55	55
BA22.10-P-1005-01A	Bolt of engine supporting bracket to crankcase	1st stage	Nm	20	20	20
		2nd stage	Nm	-	-	90
BA22.10-P-1007-01A	Bolt of shield to engine supporting bracket	M 6	Nm	10	10	10
BA22.10-P-1008-01A	Bolt of front engine mount to front axle carrier		Nm	-	-	35

**Nm** Engine suspension, engine mounts, engine supporting brackets

Number	Designation		Engine 604, 605 in model 202	Engine 604, 605, 606 in model 210	Engine 605, 606 in model 124
BA22.10-P-1001-01D	Bolt of front engine mount to front axle carrier	Nm	–	35	–
BA22.10-P-1004-01D	Bolt of engine mount to front engine supporting bracket	Nm	55	55	55
BA22.10-P-1005-01D	Bolt of engine supporting bracket to crankcase	1st stage Nm	20	20	20
		2nd stage Nm	–	90	–
BA22.10-P-1007-01D	Bolt of shield to engine supporting bracket	M 6 Nm	10	10	10
BA22.10-P-1008-01D	Bolt of engine mount to frame crossmember	Nm	25	–	40

**Nm** Engine suspension, engine mounts, engine supporting brackets

Nummer	Benennung		Motor 606.961 im Typ 140
BA22.10-P-1001-01D	Bolt of front engine mount to front axle carrier	Nm	–
BA22.10-P-1004-01D	Bolt of engine mount to front engine supporting bracket	Nm	55





**Nm** Engine suspension, engine mounts, engine supporting brackets

Nummer	Benennung	Motor 606.961 im Typ 140
BA22.10-P-1005-01D	Bolt of engine supporting bracket to crankcase	1st stage Nm 20
		2nd stage Nm --
BA22.10-P-1007-01D	Bolt of shield to engine supporting bracket	M 6 Nm 10
BA22.10-P-1008-01D	Bolt of engine mount to frame crossmember	Nm 25

**Commercially available tools (see Workshop Equipment Manual)**

Number	Designation	Make (e.g.)	Order number
WH58.30-Z-1001-07A	Engine hoist (self-locking)	Bäcker Herderstraße D-42853 Remscheid	3188
WH58.30-Z-1002-07A	Shackle		C1 DIN 82101