









P01.10-2013-09

	<p>Removing, installing</p>		
<p>1</p>	<p>Disconnect ground cable of battery</p>		<p>AR54.10-P-0003A</p>













2	Remove bottom parts of noise encapsulation	Model 202 Model 210	AR94.30-P-5300A AR94.30-P-5300AB
3	Remove left and right charge air pipes to intercooler	Model 202 with engine 605.960 Model 210 with engine 605.962	AR09.41-P-1311H
 Danger!	Risk of injury to skin and eyes from scalding from hot coolant which splashes out. Risk of poisoning from swallowing coolant.	Do not open the cooling system unless the coolant temperature is below 90 °C. Open cap slowly and allow the pressure to release. Do not pour coolant into containers for drinks. Wear protective gloves, protective clothes, and eye protection.	AS20.00-Z-0001-01A H17
4	Drain coolant at radiator		AR20.00-P-1142HW
5.1	Remove radiator	Model 202 Model 210 with engine 606.912	AR20.20-P-3865HA
6.1	Remove poly V-belt (8)	If AC fitted (code 580, 581)	AR13.22-P-1202HA
7.1	Attach guard plate (10) for radiator/condenser	If AC fitted (code 580, 581)	
 WF	Guard plate for radiator/condenser		WF58.50-P-0110-01A E18

8	Disconnect vacuum lines	<p>i At vacuum pump, intake manifold, brake booster. Transmission 722.4: at vacuum control valve. Vacuum units of EGR. Turbo engine: vacuum line at turbocharger vacuum unit.</p> <p>i Installation: routing of vacuum lines see ↓</p> <p>Engine 604.910 with manual or automatic transmission with TWC</p> <p>Engine 604.912 with manual or automatic transmission with TWC</p> <p>Engine 605.910</p> <p>Engine 605.912 with manual transmission with TWC</p> <p>Engine 605.912 with manual or automatic transmission, engine 605.960</p> <p>Engine 606.961</p>	<p>AD07.13-P-2001-06A</p> <p>AD07.13-P-2001-06B</p> <p>AD07.12-P-2000-05C</p> <p>AD07.12-P-2000-05D</p> <p>AD07.12-P-2000-05A</p> <p>AD07.12-P-2000-05B</p>
9	Detach coolant hoses (12, 36) at cylinder head and at coolant thermostat housing	<p>i Model 210 with engine 606: Detach coolant hose (36) after tilting engine. Inspect condition of hose clips and hoses, replace if necessary.</p>	

		 	WH58.30-Z-1002-06A WH58.30-Z-1001-06A
10	Disconnect lines (28, 29) of power steering pump	Extract oil at reservoir before disconnecting the lines.  Installation: if level control fitted (code 217B) ↓ empty pressurized oil system, fill	AR46.30-P-0500A AR32.30-P-0630A
11.1	Detach control pressure bowden cable (15) of automatic transmission	If automatic transmission 722.4 fitted  Installation: ↓ Check setting of control pressure bowden cable (15), adjust if necessary	AR30.10-P-1010HB
12	Disconnect engine wiring harness (21)	Model 202 Model 210 up to 05.96 Model 210 as of 06.96	AR01.00-P-2410HA N2 AR01.00-P-2410D D2 AR01.00-P-2410H J2
 Danger! 13	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. Disconnect fuel lines (90/1, 90/2)	No fire, naked flame or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.  Open fuel filler cap.	AS47.00-7-0001-01A L17

14	Unbolt exhaust system at turbocharger or exhaust manifold and transmission intermediate bearing	Model 202 Engine 604.912, 605.912, 606.912 in model 210.0 Engine 605.912, 606.912 in model 210.2	AR49.10-P-7000I AR49.10-P-7000B AR49.10-P-7000BA
15	Detach shift rods (34) at transmission	manual transmission automatic transmission	AR26.10-P-0020A RA27-0600
16.1	Separate clutch line (35) at transmission	If manual transmission	AR25.20-P-0150A
17.1	Slacken clamping nut (41) of propshaft	If clamping nut at propshaft	AR41.10-P-0050EA
18	Unbolt front propshaft at transmission, push to the rear		AR41.10-P-0050EA
19.1	Release park lock interlock (66) at transmission	If automatic transmission 722.6 ⓘ The park lock interlock must only be removed when selector lever in position "p" ⓘ Installation: ↓ Adjust cable for park lock interlock	AR27.60-P-0965B
20.1	Remove guard plate (20) on right of transmission and separate plug connection (19) of electronic control unit at transmission	If automatic transmission 722.6	



21.1	Unbolt AC compressor (37)	If AC (code 580, 581) Attach AC compressor at the side in bottom of engine compartment with piping connected.	BA83.55-P-1001-01A
22	Bolts (39, 40) of engine mounts and engine support	<p>Model 202</p> <p></p> <p></p> <p></p> <p>Model 210</p> <p></p> <p></p> <p></p>	<p>BA22.10-P-1002-01D</p> <p>BA22.10-P-1003-01D</p> <p>BA22.10-P-1008-01D</p> <p>BA22.10-P-1001-01D</p> <p>BA22.10-P-1002-01D</p> <p>BA22.10-P-1003-01D</p>
24 25	Raise engine (38), remove	<p> Ensure that the injection line is not damaged when attaching to the front engine lifting eye!</p> <p> Model 210 with engine 604, 605: use removing device for removing ↓</p> <p>Remove engine with removing device</p> <p></p> <p></p>	<p>AR01.10-P-7500-03HA A15</p> <p>WH58.30-Z-1003-07A</p> <p>AR01.10-P-2400-01A O14</p> <p>WH58.30-Z-1015-07A</p> <p>WH58.30-Z-1004-07A</p>



			WH58.30-Z-1003-07A
26	Install in the reverse order		
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
27.1	Inspect ATF level in automatic transmission	Transmission 722.4 Transmission 722.6	AR27.00-P-0100A AR27.00-P-0101A
28	Inspect oil level of power steering pump, adjust to correct level		AP46.00-P-4611BB
29	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
30	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.	AD00.00-P-1000AZ

**Nm** AC compressor

Number	Designation	Engine 104.945/995, 111.942/947/970, 604.912/917, 605.912/962, 606.912/962 in model 210
BA83.55-P-1001-01A	Bolt of AC compressor to bracket	Nm 23

Nm Engine suspension, engine mounts, engine supporting brackets

Number	Designation	Engine 604, 605 in model 202	Engine 604, 605, 606 in model 210
BA22.10-P-1001-01D	Bolt of front engine mount to front axle carrier	Nm –	35
BA22.10-P-1002-01D	Bolt of rear engine mount to rear engine crossmember	Nm 25	30
BA22.10-P-1003-01D	Bolt of rear engine crossmember to body	Nm 40	40
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-1001-06A	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-1015-07A	Engine hoist (self-locking)	Bäcker Herderstraße D-42853 Remscheid	3180
WH58.30-Z-1002-07A	Shackle		C1 DIN 82101
WH58.30-Z-1004-07A	Hook mount	Erwin Schairer GmbH Keltenstraße 9 D-72459 Meßstetten	0304.01.005
WH58.30-Z-1003-07A	Engine supporting arm	Erwin Schairer GmbH Keltenstraße 9 D-72459 Meßstetten	0304.01.001