⚠ Danger!	Risk of injury to skin and eyes suffering	Do not open cooling system unless coolant	AS20.00-Z-0001-01A
Z Danger:	scalding from contact with hot coolant spray.	temperature is below 90 蚓. Open cap slowly	
	Risk of poisoning from swallowing coolant.	and release the pressure. Do not pour coolant into beverage bottles.	
		Wear protective gloves, protective clothing and	
		eye protection.	
4	Drain coolant at radiator	Model 163 is not provided with a drain plug	
		at the radiator. To drain the coolant, detach bottom coolant line at radiator or at the coolant pump.	
		All except Model 209, 203, 170.	AR20.00-P-1142HA
		Model 170.	AR20.00-P-1142SV
		MODEL 203 with ENGINE 111.	AR20.00-P-1142PR
		Model 203 with Engine 112	AR20.00-P-1142PV
		Model 209.361/365 with Engine 112.912/946	
		Model 209.375/376 with Engine 113.968/987	
5	Remove poly V-belt (2)	Lock tensioning pulley with drift or pin	
	, , , , ,	(diameter 5 mm).	
		All except Model 170, 203, 209.	AR13.22-P-1202B
		Model 170.465.	AR13.22-P-1202SV
		Model 203.065/265, 170.466.	AR13.22-P-1202SVK
		Model 203.061/261/064/264.	AR13.22-P-1202PV
		Model 209 with Engine 112, 113.	
6.1	Unscrew bolts of shock absorber (11), remove	i Only Model 210, 203, 209, 202, 170, 129	AR13.25-P-3200B
	poly V-belt tensioning device with shock absorber (10).	with manual transmission.	
		Nm Engine 112.	*BA13.25-P-1003-01M
		Nm Engine 113.	*BA13.25-P-1003-01D
		Nm Engine 112.	*BA13.25-P-1004-01M
		Nm Engine 113.	*BA13.25-P-1004-01D
7	Disconnect coolant hoses (4,5).	i Inspect condition of coolant hoses and hose clamps, replace if necessary.	
8	Disconnect coolant hose (6) at oil-water heat	i Inspect condition of coolant hose and hose	
	exchanger	clamp, replace if necessary	
9	Take off belt pulley of coolant pump (7)	Nm Engine 112.	*BA20.10-P-1002-01M
		Nm Engine 113.	*BA20.10-P-1002-01C
		Nm Engine 113.987.	*BA20.10-P-1002-01L
10	Remove coolant pump (8)	i Installation: Replace seal (9).	
		3	*001589760900
		Nm Engine 112.	*BA20.10-P-1001-01M
		Nm Engine 113.	*BA20.10-P-1001-01C
		Nm Engine 113.987.	*BA20.10-P-1001-01L
		Nm	*BA15.40-P-1003-01A
11	Install in the reverse order		
12	Inspect cooling system for leaks	All except Model 209, 203, 170.	AR20.00-P-1010HA
		Model 209, 203, 170.	AR20.00-P-1010P

Nm alternator

Number	Designation	Engines 112, 113
BA15.40-P-1003-01A	generator screw Nm	42

Nm Belt tensioning device