AP18.00-P-0101EW Engine oil and filter change 28.7.09 ENGINES 272, 273 in MODEL 207, 212 28.7.09

Modification notes

28.7.09	Value modified: Engine oil, Specifications for service	Engine	*BF18.00-P-1001-01M
	products	272.920/921/922/923/940/941/942/943/944/9	
		45/946/947/949/951/952/960/961/963/964/96	
		5/966/967/968/969/970/972/973/974/980/982/	
		983/984/985/988	
		Engine 272.911/948/950/971/975/977/991	

X	Remove		
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of 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 handling hot or glowing objects.	Wear safety gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
⚠ Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
()	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
		i Only replace the engine oil when the engine is at normal operating temperature.	
1	Start engine	i Allow engine to warm up until coolant and engine oil have reached operating temperature.	
2	Turn off engine	The vehicle must be horizontal otherwise all the engine oil cannot be extracted or drained which can lead to an incorrect oil filling with consequential damage.	
3 ₩ 주 A R	Open engine hood Opening engine hood, moving to upright position and closing		AR88.40-P-1000EW
4	Empty oil filter housing and replace oil filter element	Engine 272	AP18.00-P-0101-06V
	element	Engine 273 Drain pan gotis://S_18.1_08.0	AP18.00-P-0101-06SX
		Screw cap to oil filter housing	*BA18.20-P-1001-01O *103589020900
5.1	Pull oil dipstick out of guide tube and drain engine oil using engine oil extractor	i When extracting the engine oil. Engine oil extractor - mobile	AP18.00-P-0101-02Z
5.2	Remove rear section of lower engine compartment paneling	gotis://S 18.1 02.0 1 When draining the engine oil by removing the drain screw.	
₩ ~ AR	Remove/install bottom engine compartment paneling		AR61.20-P-1105EW
6	Remove drain screw from oil pan and drain engine oil	i When draining the engine oil by removing the drain screw.	
X 7.1	Install Detach engine oil extractor and insert oil dipstick into the guide tube	i After suctioning off the engine oil.	
7.2	Screw in drain screw	i When draining the engine oil by removing the drain screw. i Replace sealing ring.	
8	Pour in engine oil	Mm Oil drain screw to oil pan	*BA01.45-P-1001-01M
i	Specified and approved quality grades and viscosity classes conforming to SAE at enduring low outside temperatures	Li Use only approved engine oils.	AH18.00-P-1000-01BA
i	Notes concerning extension of the oil change interval		AH18.00-P-0102-01A
j≆ SI	Service Information: Engine oil change	Engine oil filling capacity * Not for USA, Japan	*BF18.00-P-1001-01M SI18.00-P-0011A

₩PBB	Approved engine oils (service)		BB00.40-P-0226A
4	Checking		
9	Conduct engine test run and check engine for leaks	i Only raise rpm 10 seconds after the engine has started.	
10	Turn off engine		
11	Install rear section of the lower engine compartment paneling	i When draining the engine oil by removing the drain screw.	
₩ AR	Remove/install bottom engine compartment paneling	i Only install rear section of lower engine compartment paneling after completing all maintenance operations.	AR61.20-P-1105EW
4	Checking		
12	Check the engine oil with the oil dipstick approx. 5 minutes after switching off the engine at operating temperature, correct if necessary	 The vehicle must be on a level surface otherwise false measurements will occur. Insert oil dipstick up to the end stop in the guide tube and leave it there for at least 	
10		3 s.	
13	Close engine hood		
₩ AR	Opening engine hood, moving to upright position and closing		AR88.40-P-1000EW
14	Reset service indicator		AP00.20-P-0042EW
i	Notes concerning extension of the oil change interval		AH18.00-P-0102-01A

Nm Oil filter

Number	Designation		Engine 272	Engine 273
BA18.20-P-1001-01O	Threaded cap to oil filter housing	١m	25	25

Nm Oil pan

Number	Designation	Engine 272	Engine 273
BA01.45-P-1001-01M	Oil drain screw to oil pan Nn	30	30

Engine lubrication

Number	Designatio	on		Engine 272.920/921/922/923/ 940/941/942/943/944/ 945/946/947/949/951/ 952/960/961/963/964/ 965/966/967/968/969/ 970/972/973/974/980/ 982/983/984/985/988	Engine 272.911/948/ 950/971/975/ 977/991
BF18.00-P-1001-01M	Engine oil	Filling capacity without oil filter	Liters	-	-
		Filling capacity with oil filter	Liters	8,0	7,0
		Specifications for service products	Sheet	-	-
			Sheet	BB00.40-P-0229-03A	BB00.40-P-0229-03A
			Sheet	BB00 40-P-0229-054	BB00 40-P-0229-054

Engine Iubrication

Number	Designatio	Dn		Engine 273.922/924/ 960/961/962/ 965/966/967/ 968/970/971
BF18.00-P-1001-01M	Engine oil	Filling capacity without oil filter	Liters	-
		Filling capacity with oil filter	Liters	8.5
		Specifications for service products	Sheet	BB00.40-P-0229-01A
			Sheet	BB00.40-P-0229-03A
			Sheet	BB00.40-P-0229-05A

