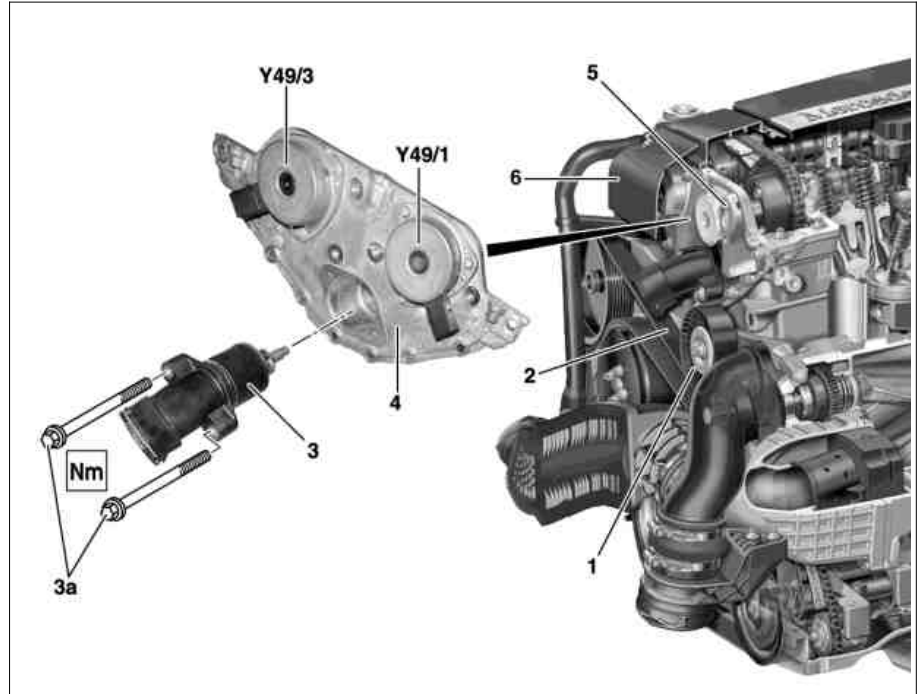


ENGINE 271.940 in MODEL 203.042 /242 /742, 209.342 /442
ENGINE 271.941 in MODEL 211.042 /242
ENGINE 271.946 in MODEL 203.046 /246 /746
ENGINE 271.948 in MODEL 203.040 /240 /740
ENGINE 271.942 in MODEL 203.043 /243 /743, 209.343
ENGINE 271.921 in MODEL 203.730
ENGINE 271.955 in MODEL 209.341 /441
ENGINE 271.956 in MODEL 211.041 /241
ENGINE 271.957 in MODEL 203.741

Shown on engine 271.940

- 1 Pulley
- 2 Poly-V-belt
- 3 Coolant thermostat housing
- 3a Bolts
- 4 Cover
- 5 Lifting eye
- 6 Cover

- Y49/1 Camshaft intake solenoid
- Y49/3 Camshaft exhaust solenoid



P01.30-2132-06

Modification notes

22.4.09	Value changed: Bolt, lifting eye to cylinder head	*BA01.30-P-1005-01J
---------	---	---------------------

		Remove/install	
1		Open engine hood	Model 203 Model 209 Model 211 AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T
2		Remove cover (6)	
3		Remove exhaust gas recirculation valve	Engine 271.942 AR14.20-P-7662D
4		Disconnect electrical connectors at camshaft exhaust solenoid (Y49/3) and camshaft intake solenoid (Y49/1)	
5		Slacken poly-V belt (2)	i To do this, swing Torx recess clearance under tensioning pulley in counterclockwise direction, see: See Remove/install poly-V belt. AR13.22-P-1202QK
6		Remove the guide pulley (1) of the poly-V belt (2)	Nm *BA01.40-P-1011-01G
7		Remove cylinder head cover	Engine 271.921/940/942/946/948/955/957 Engine 271.941/956 AR01.20-P-5014QK AR01.20-P-5014TK
8		Drain coolant at radiator	Model 203, 209 Model 211 AR20.00-P-1142PR AR20.00-P-1142T
9		Remove housing of coolant thermostat (3), unscrew bolts (3a) for this purpose	i Installation: Replace O-ring. Nm *BA01.30-P-1009-01J
10		Remove lifting eye (5) at cylinder head	Nm Nm *BA01.30-P-1005-01J *BA01.30-P-1006-01J
11		Remove cover (4) at cylinder head	i Installation: Clean sealing surfaces. Coat sealing surface of cover (4) to cylinder head with sealant. Nm AR01.00-P-0050-01A *BA01.30-P-1007-01J

		Loctite sealant 5970 Loctite 7200 Cleaning spray, Loctite 7063 (150ml)	*BR00.45-Z-1013-01A *BR00.45-Z-1038-04A *BR00.45-Z-1046-04A
12	Install in the reverse order		

Nm Cylinder head

Number	Designation			Engine 271
BA01.30-P-1005-01J	Bolt, lifting eye to cylinder head	M8	Nm	13
BA01.30-P-1006-01J	Bolt, lifting eye to front cover and camshaft bearing housing	M6	Nm	9
		M8	Nm	20
BA01.30-P-1007-01J	Bolt, front cover to cylinder head	M6	Nm	9
BA01.30-P-1009-01J	Bolt of thermostat housing at the cylinder head	M6	Nm	9

Nm Crankcase, timing case cover, end cover

Number	Designation		Engine 271
BA01.40-P-1011-01G	Bolt, guide pulley to timing case	Nm	20

Repair materials

Number	Designation	Order number
BR00.45-Z-1013-01A	Loctite sealant 5970	A 003 989 98 20
BR00.45-Z-1038-04A	Loctite 7200	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. +49 899268-0 Fax + 49 899101978 www.Loctite.de
BR00.45-Z-1046-04A	Cleaning spray, Loctite 7063 (150ml)	A 001 986 71 71 10