

P05.20-2144-09

Shown on engine 271.942

01 Spiral bit

1 Intake air duct  
 2 Connector  
 3 Bolt  
 4 Sealing ring

5 Cap

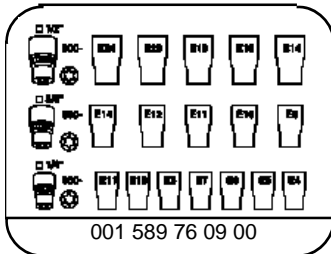
Y49/1 Camshaft intake solenoid  
 Y49/3 Camshaft exhaust solenoid

	Removing		
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Remove key from the ignition lock	Vehicles with Keyless-Go Code 889: press Start/Stop button repeatedly until ignition is switched off.	
2	Open engine hood	Model 171.4 Model 203 Model 209 Model 211	AR88.40-P-1000V AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T
3	Remove cover above camshaft intake solenoid (Y49/1) and camshaft exhaust solenoid (Y49/3)	Engines 271.921/ 940/ 941/ 946/ 948/ 955/ 956	
4	Remove intake air channel (1) upstream of air filter housing		
<b>Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by handling hot or glowing objects. Remove exhaust gas recirculation valve	Wear safety gloves, protective clothing and safety glasses, if necessary. Engine 271.942	AS00.00-Z-0002-01A AR14.20-P-7662D
5	Unplug plug (2) from camshaft intake solenoid (Y49/1) and camshaft exhaust solenoid (Y49/3)		
6	Unscrew screws (3) and remove camshaft intake solenoid (Y49/1) or camshaft exhaust solenoid (Y49/3) from front cover	Replace sealing ring (4) and cap (5). Clean sealing surface at front cover. External Torx set	*001589760900
	<b>Install</b>		
7	Fit on camshaft intake solenoid (Y49/1) or camshaft exhaust solenoid (Y49/3) at front cover and loosely screw in screws (3)	Pay attention to correct seating of sealing ring (4) in the front cover.	
8	Center camshaft intake solenoid (Y49/1) or camshaft exhaust solenoid (Y49/3)	Use a twist drill (01) with a diameter of 6.0 mm. Insert stem of twist drill (01) through the hole in the camshaft intake solenoid (Y49/1) or the camshaft exhaust solenoid (Y49/3) into the hole at the camshaft adjuster.	
9	Fully tighten bolts (3)		*BA05.20-P-1008-02A

		External Torx set	*001589760900
11	Pull out twist drill (01) and insert cap (5) into camshaft intake solenoid (Y49/1) or camshaft exhaust solenoid (Y49/3)	Pay attention to correct seating of cap (5) and sealing ring on cap (5) in the camshaft intake solenoid (Y49/1) or camshaft exhaust solenoid (Y49/3).	
12	Plug in plug (2) at camshaft intake solenoid (Y49/1) and camshaft exhaust solenoid (Y49/3)		
13	Install exhaust gas recirculation valve	Engine 271.942	AR14.20-P-7662D
14	Install intake air channel (1) upstream of air filter housing		
15 AD	Read out fault memory Connect STAR DIAGNOSIS and read out fault memory	STAR DIAGNOSIS diagnosis system	*WH58.30-Z-1048-13A AD00.00-P-2000-04A
<b>⚠ Danger!</b> 16	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the running engine Check for leaks with engine running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
17	Install cover above camshaft intake solenoid (Y49/1) and camshaft exhaust solenoid (Y49/3)	Engines 271.921/ 940/ 941/ 946/ 948/ 955/ 956	
18	Close engine hood	Model 171.4 Model 203 Model 209 Model 211	AR88.40-P-1000V AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T

**Nm Camshaft, camshaft adjustment**

Number	Designation	Engine 271
BA05.20-P-1008-02A	Bolt, camshaft solenoid to front cover on the cylinder head	Nm 8



External Torx set

**Commercially available tools**

Number	Designation
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car 6511 1801 00