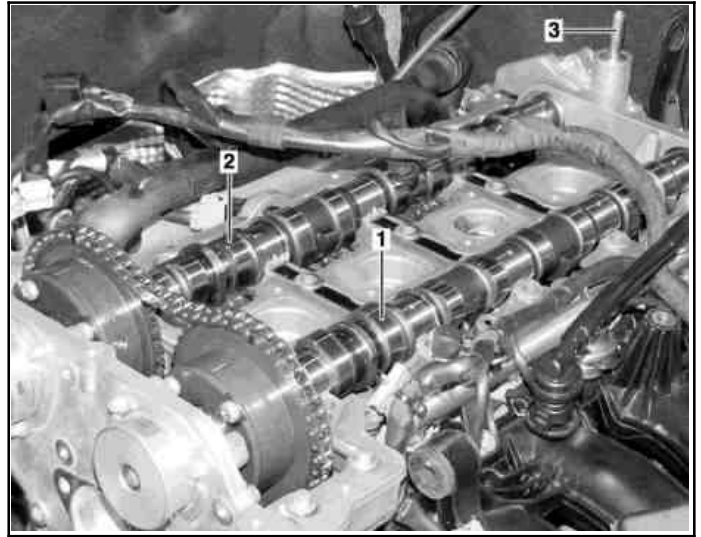


Shown on engine 271.940

- 1 **Intake camshaft**
- 2 **Exhaust camshaft**
- 3 **Vacuum pump**



P05.20-2120-11

		<b>Remove/install</b>	
1	☒ ☒	Open engine hood	Model 203 Model 209 Model 211  <b>AR88.40-P-1000P</b> AR88.40-P-1000Q AR88.40-P-1000T
2		Remove top part of camshaft housing	See Remove/install camshaft case.  <b>AR05.20-P-6995QK</b>
3		Spin engine at the crankshaft in direction of rotation until the piston of cylinder 1 is positioned at	<b>i</b> The cams of the exhaust camshaft (2) and intake camshaft(1) at cylinder 1 must be pointing upright at an angle.
4		Remove inlet camshaft (1)	<b>i</b> Tilt forward intake camshaft (1) and remove timing chain from drive gear. <b>⚠ Installation:</b> Oil compensation elements and camshaft bearing points. The cams of the intake camshaft (1) must be pointing upright at an angle at cylinder 1 after inserting the intake camshaft (1) (risk of cracks and fracture).
5		Check axial play of intake camshaft (1) at fit bearing	<b>*BE05.20-P-1003-03A</b>
6		Remove exhaust camshaft (2)	<b>⚠</b> On models 203, 209 make sure that the vacuum pump (3) is not damaged when removing the drive. <b>⚠ Installation:</b> Oil compensation elements, vacuum pump drive and camshaft bearing points. The exhaust camshaft (2) cams must be pointing upright at an angle, at cylinder (1) after inserting the exhaust camshaft (2) (risk of cracks and fracture).
7		Check axial play of exhaust camshaft (2) at fit bearing	<b>*BE05.20-P-1003-03A</b>
8		Check diameter of camshaft bearing journal	<b>*BE05.20-P-1002-03A</b>
9		Set basic position of camshafts	<b>AR05.20-P-6020QK</b>
10		Install in the reverse order	

**Check values for camshaft bearings**

Number	Designation		Engine 271
BE05.20-P-1002-03A	Diameter of camshaft bearing journal	Standard size	mm 29.947...29.960
		Repair size	mm -
BE05.20-P-1003-03A	Axial clearance of camshaft in fit bearing	mm	0.05...0.15