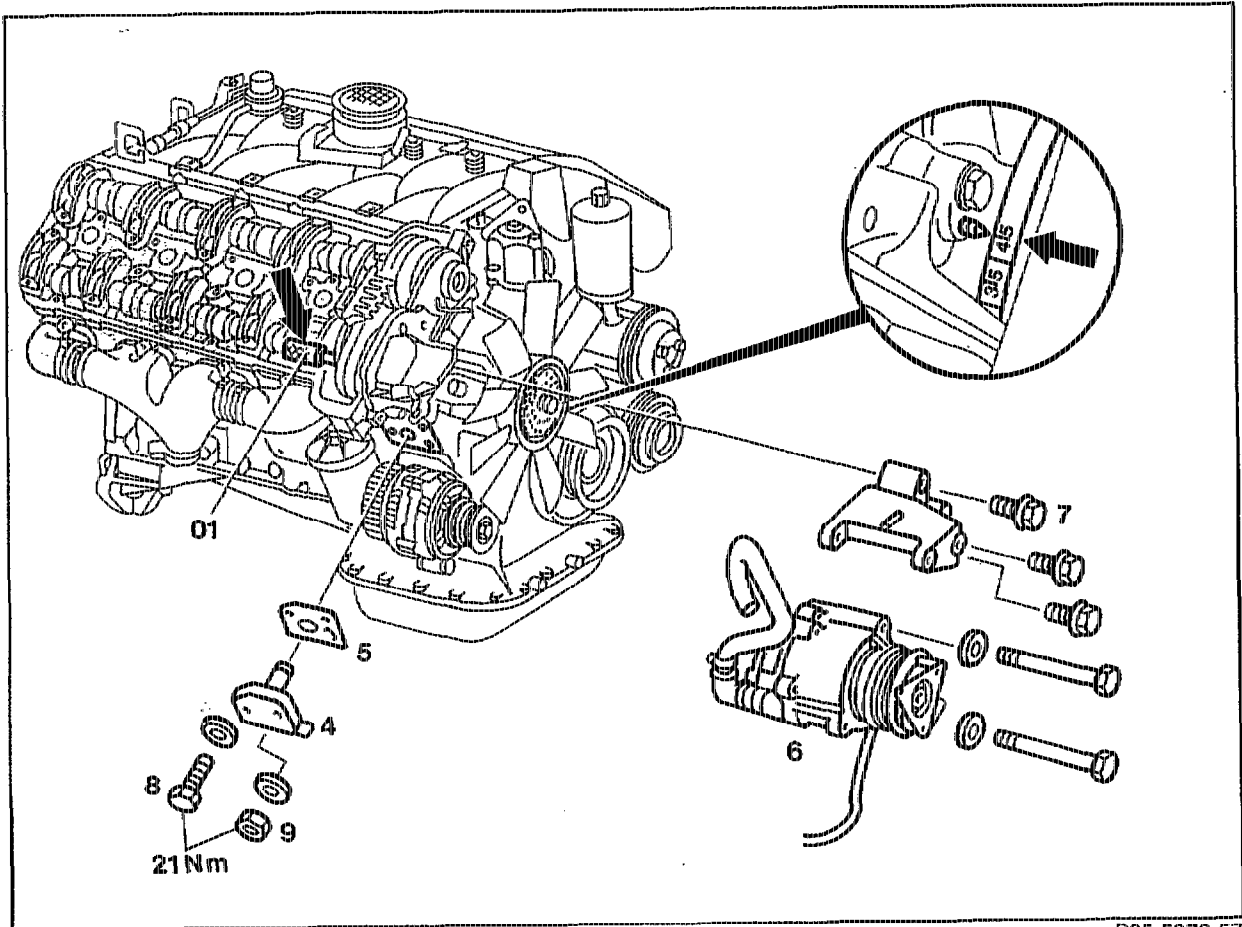


05-3100 Removing and installing chain tensiometer

Preceding work:
Right cylinder head cover removed (01-0500).

Operation no. of operation texts and work units or standard texts
and flat rates
05-7800, 7801



P05-5376-57

Model 210: air cleaner housing	remove, install.
Piston of cylinder 1	position to 45° before ignition TDC (arrow).
Right outlet camshaft	fix in position with pin (01) (arrow) so that the exhaust camshaft does not jump across when timing chain relieved.
	Special tool 111 589 03 15 00.
With mechanical secondary air injection:	slacken poly V-belt and take off from air pump (6) or model 129 with engine 119.960, from generator, fit on (13-3420).
Model 129 with engine 119.960: generator	unbolt, bolt on (15-510).

With mechanical secondary air injection:	unbolt air pump (6) and place to the side with piping connected.
Models 124, 140 with mechanical secondary air injection:	unbolt bracket (7) of air pump or generator, bolt on (25 Nm).
Model 210 with electric secondary air injection: . .	remove electric air pump together with bracket, install.
Bolt (8) and nut (9)	slacken, tighten evenly (25 Nm).
Chain tensioner (4) together with gasket (5)	remove, fit on.
Gasket (5)	replace.
Engine	run and check for leaks.

Note

Unbolt guide pulley and EGR valve at bracket for this step.



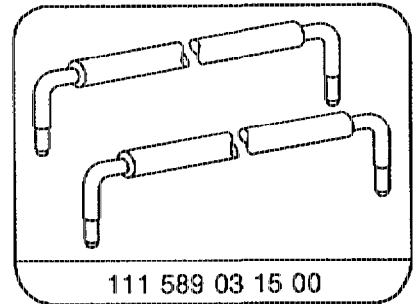
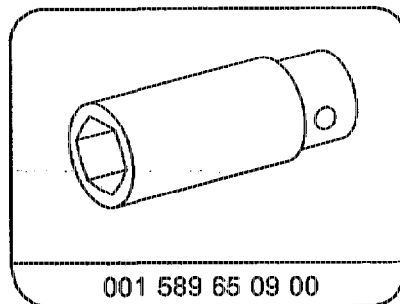
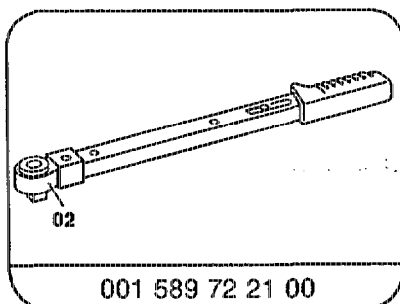
Engine oil which flows out must not get into the generator.

Chain tensioner (4) must not be tilted.

Tightening torques in Nm

Bolt and nut of chain tensioner M8	25
Bolts of air pump bracket	25
Guide pulley to air pump bracket (with electric secondary air injection)	30

Special tools



- | | |
|----------------------|-------------------------|
| 1 Housing | 8 4 mm ball |
| 2 Dished washer | 9 Compression spring |
| 3 Thrust pin | 10 Ball guide |
| 4 Filler pin | 11 Ball seat ring |
| 5 Compression spring | 12 Pressurised oil feed |
| 6 Cap | 13 M10 x 14 seal |
| 7 Compression spring | 14 M10 x 1 screwplug |

