

03-3420 Removing and installing belt pulley/vibration damper

Preceding work:

Viscous fan clutch removed (20-3120).

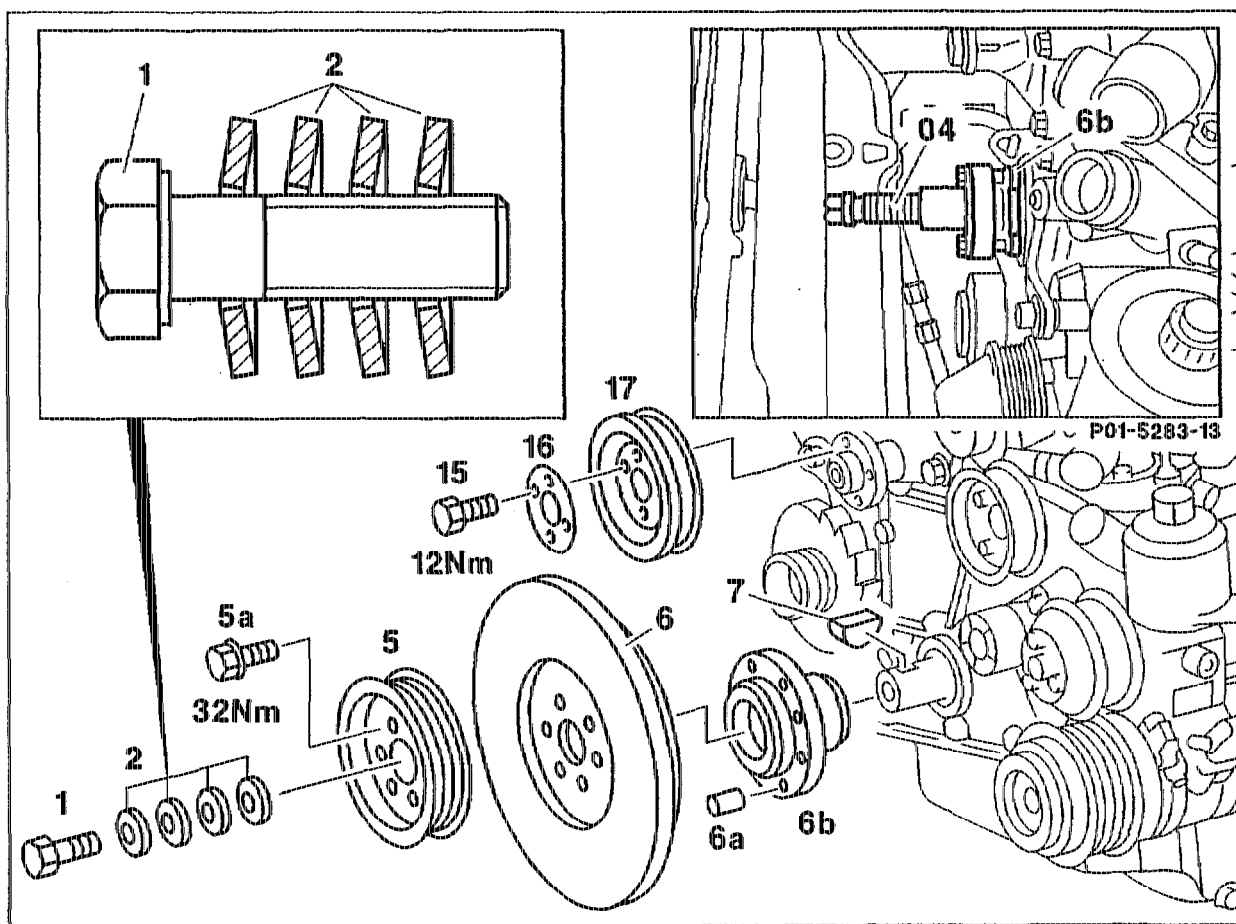
Models 124, 202: radiator removed (20-4200).

Model 129: fan shroud removed (20-3400).

Operation no. of operation texts and work units or standard texts and flat rates

03-1320-1901

A. Models 124, 129, 202 with belt pulley, vibration damper and hub



If AC fitted:

Piston of cylinder 1 to TDC

Bolts (15) of fan belt pulley (17)

Poly V-belt

Belt pulley of fan (17) and plate (16)

Retaining lock for crankshaft/ring gear

Bolts (5a)

attach guard plate at condenser.

turn so that woodruff key (7) in crankshaft is facing vertically up.

slacken, tighten (12 Nm).

remove, install (13-1200).

remove, install.

remove, install (03-5000).

unscrew, screw on (32 Nm).

Belt pulley (5) and vibration damper (6)	remove, install.
Bolt (1) with dished washers (2) or conical washer	unscrew, screw on.

Note

Oil bolt thread and 4 dished washers (2) or conical washer.

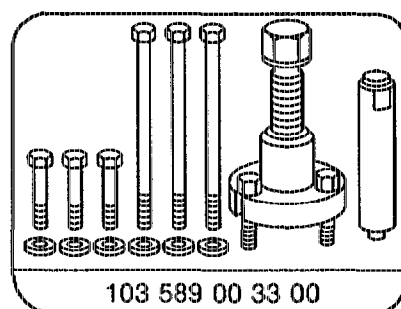
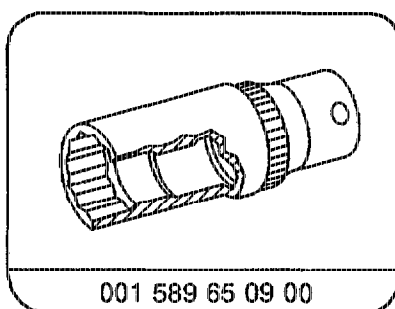
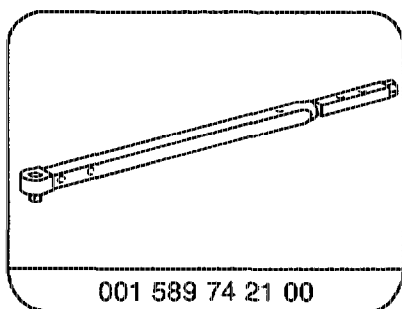
Fit on dished washer (2) with curved side facing vibration damper (6).

Hub (6b)	pull off with puller (04) 103 589 00 33 00, push on.
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Note

Align woodruff key (7), push on hub (6b) and turn in order to determine whether the slot in the crankshaft is aligned with the woodruff key (7).

Special tools



Commercially available tool

Connector, 3/4" square socket to 1/2" external square

e. g. Hazet
42853 Remscheid
Order no. 1058 RI

Shop-made tool

Guard plate for radiator and condenser

sizes: approx. 680 x 400 x 1

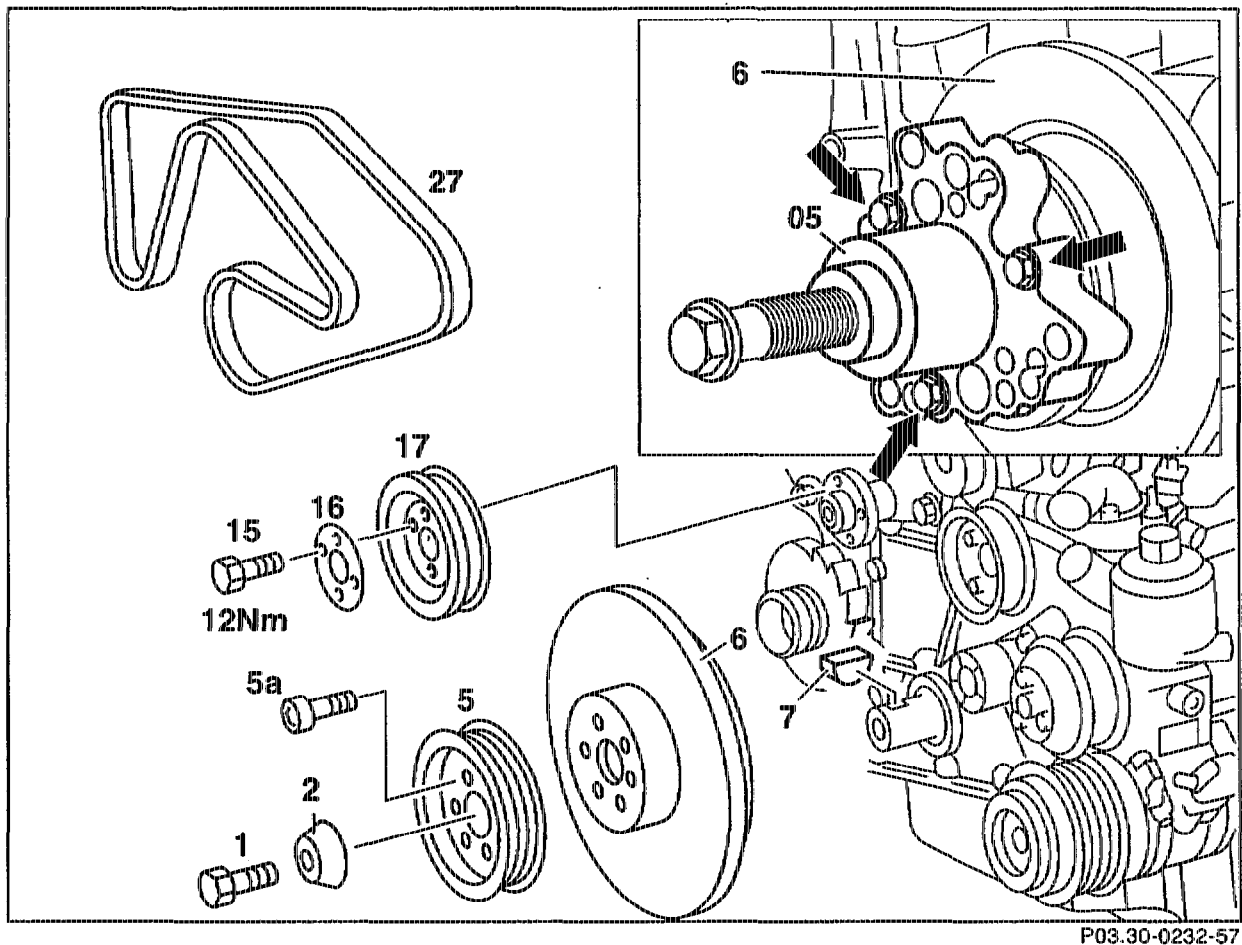
Tightening torques in Nm

M18 bolt of vibration damper (with four dished washers)	400
M18 bolt of vibration damper (with conical washer)	370
M8 bolts of belt pulley	32



Preceding work:
Viscous fan clutch removed (20–3120).
Radiator removed (20–4200).

B. Models 202, 210 with belt pulley, vibration damper and integrated hub



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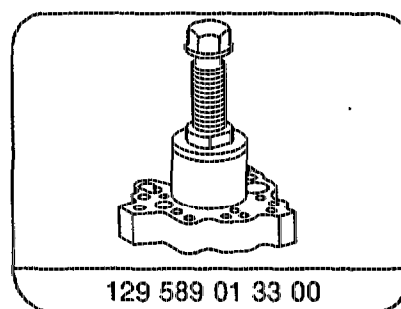
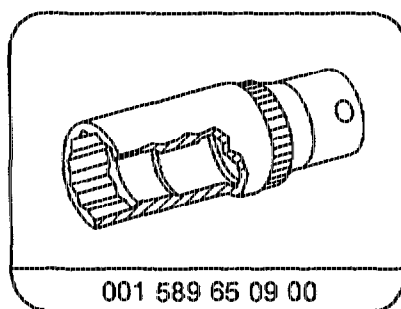
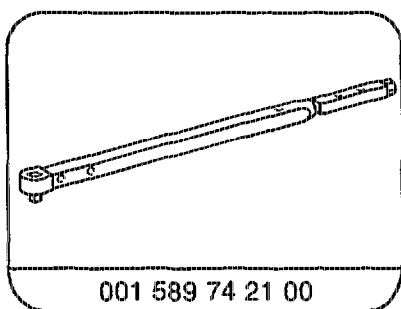
Model 210 with A/C: guard plate	attach to condenser.
Model 202 with A/C: wiring of condenser at radiator support	unbolt, lift condenser to enable puller (05) 129 589 01 33 00 to be inserted.
Piston of cylinder 1 to TDC	turn so that woodruff key (7) in crankshaft is facing vertically up.
Bolts (15) of fan belt pulley (17)	slacken, tighten (12 Nm).
Poly V-belt	remove, install (13–1200).
Belt pulley of fan (17) and plate (16)	remove, install.
Retaining lock for crankshaft/ring gear	remove, install (03–5000).
Bolts (5a)	unscrew, screw on (15 Nm).
Belt pulley (5)	remove, install.
Bolt (1) with conical washer (2)	unscrew, screw on.

Bolt (1)	screw in, unscrew.
Puller (05) 129 589 01 33 00	screw onto vibration damper (6) with M6 × 60 bolts (arrows), unscrew.
Vibration damper (6)	pull off with puller (05), push on.

Note

Align woodruff key (7), push on hub (6b) and turn in order to determine whether the slot in the crankshaft is aligned with the woodruff key (7).

Special tools



Commercially available tool

Connector, 3/4" square socket to
1/2" external square

e. g. Hazet
42853 Remscheid
Order no. 1058 RI

Shop-made tool

Guard plate for radiator and condenser

sizes: approx. 680 × 400 × 1

Tightening torques in Nm

M18 bolt of vibration damper (with spherical washer)	370
M6 bolts of belt pulley	10