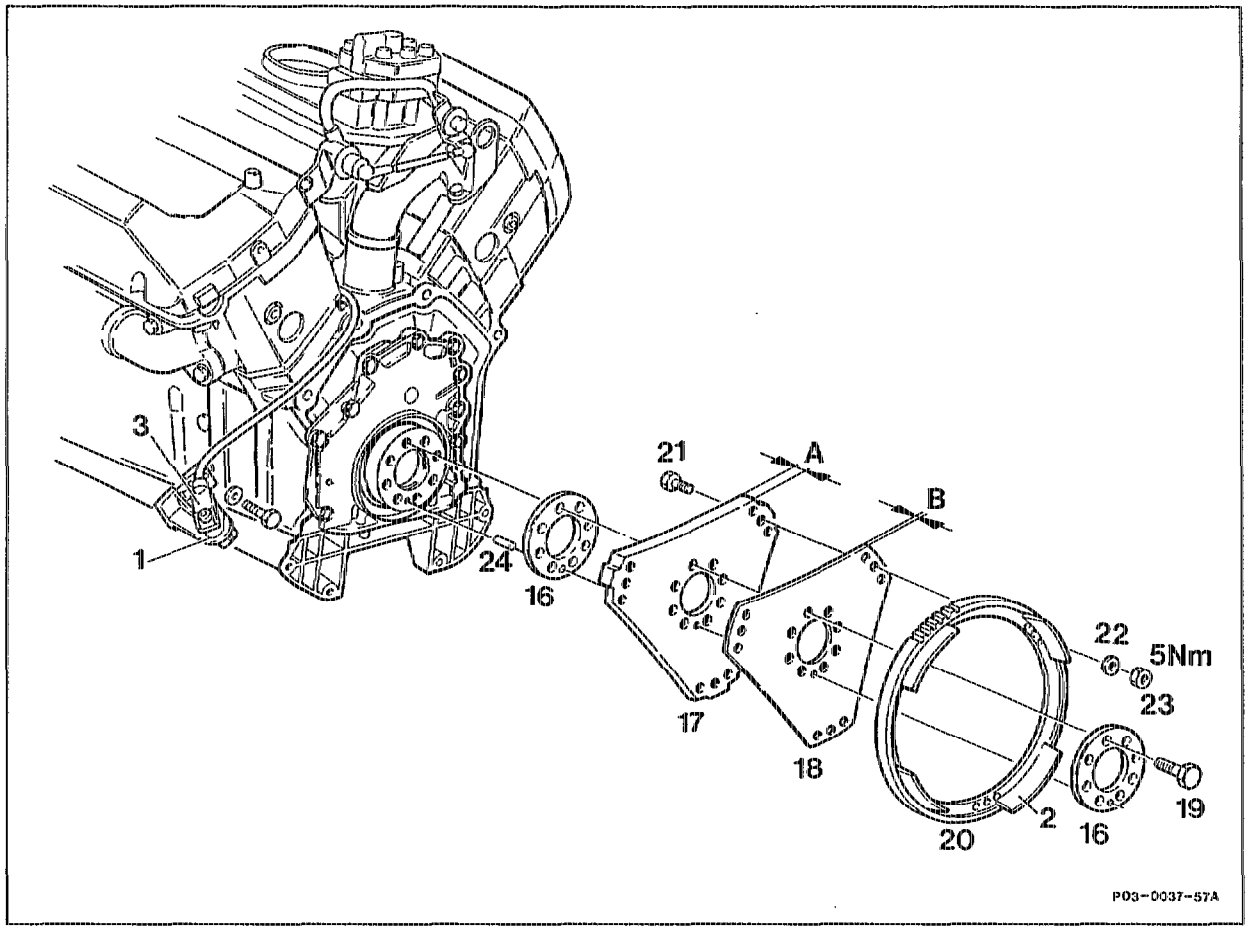
03–4100 Removing and installing driven plates

Preceding work:
Transmission removed (27–6000).

Operation no. of operation texts and work units or standard texts and flat rates
03–8201, 8211

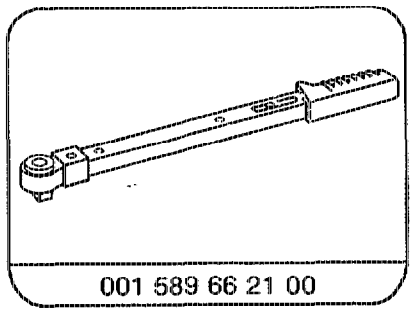
A. Engine 119.960/97



17 Driven plate A = 1.5 mm
18 Driven plate B = 1.0 mm

Retaining lock for crankshaft/ring gear	install, remove (03–5000).
Position sensor (3) of ignition control unit with bracket (1)	unbolt, bolt on (step 2).
Stretch bolts (19)	unbolt, replace (steps 3 and 4).
Driven plates (17) and (18)	take off, fit on.
Installation position and installation order	note (steps 5 and 6).

Special tools



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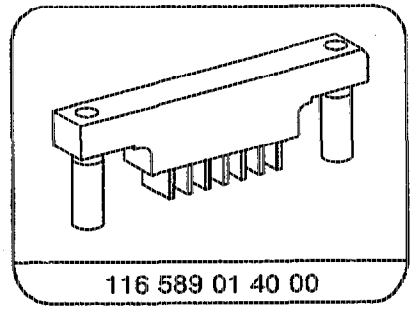

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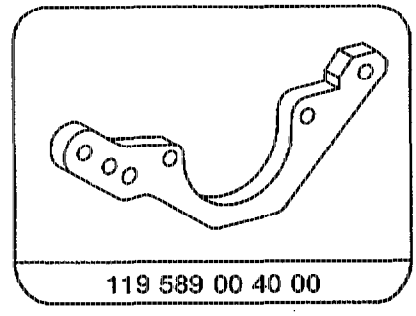

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Tightening torques in Nm

Thread Ø [1]	M 12×1.5
Initial torque	30–40
Tightening angle	90–100°

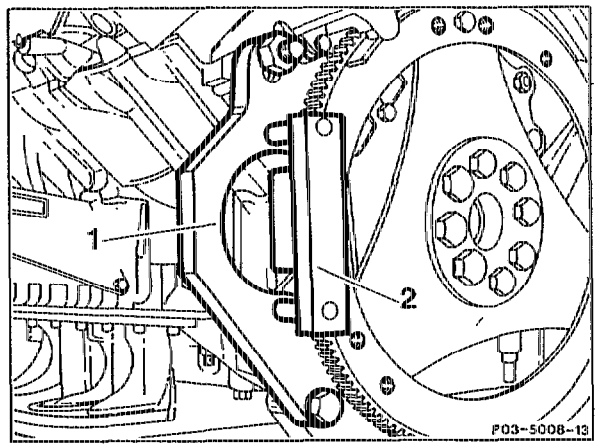
[1] Microencapsulated, use only once.

Note

Driven plates and ring gear are balanced individually and can be replaced without balancing.

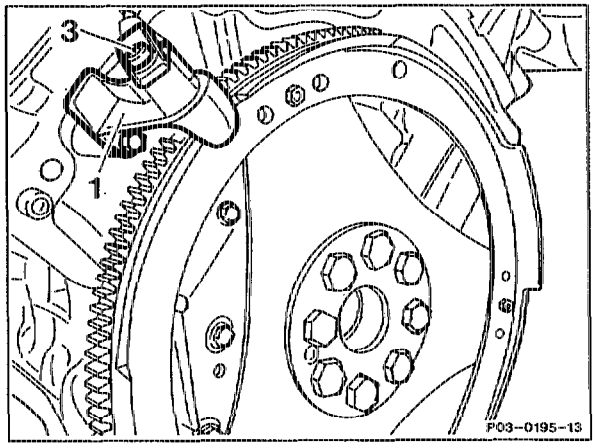
The tapped holes in the crankshaft flange are drilled through. If the bolts are removed and the engine is tilted, engine oil flows out of the tapped holes.

1 Remove retaining lock for crankshaft/ring gear, install (03-5000).



2 Unbolt position sensor (3) of ignition control unit together with bracket (1).

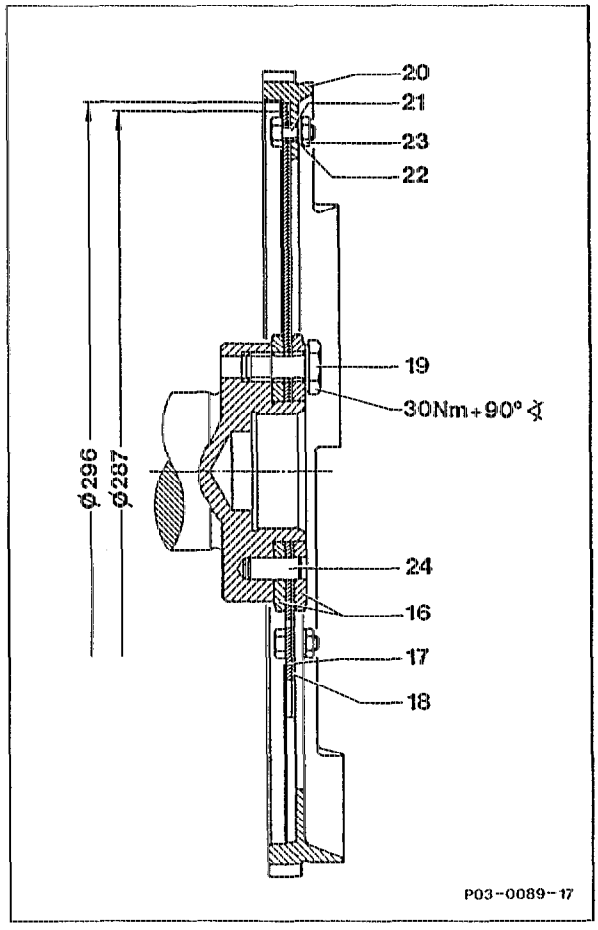
3 Remove bolts (19). Take off driven plates together with ring gear (20).



4 Install driven plates at crankshaft flange. Install thicker driven plate (17), thickness 1.5 mm, on inside. Insert stretch bolts (19).

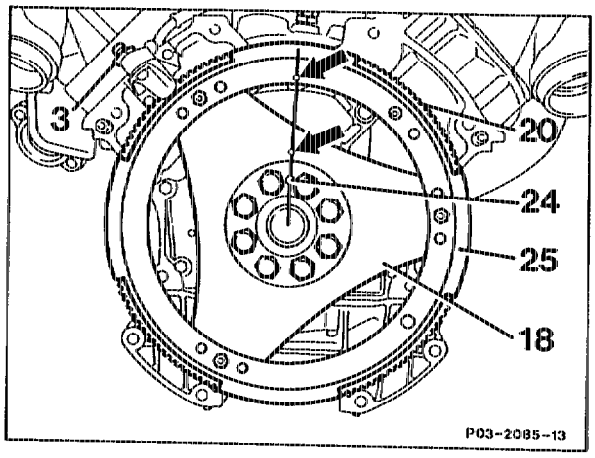
⚠

Mounting surface of driven plates, of bolts and plate mounts must be free of damage and dirt. Install bolts (19) without sealant otherwise leaks may occur.



5 Fit ring gear (20) onto driven plates (17 and 18) and tighten nut (23) 5 Nm.

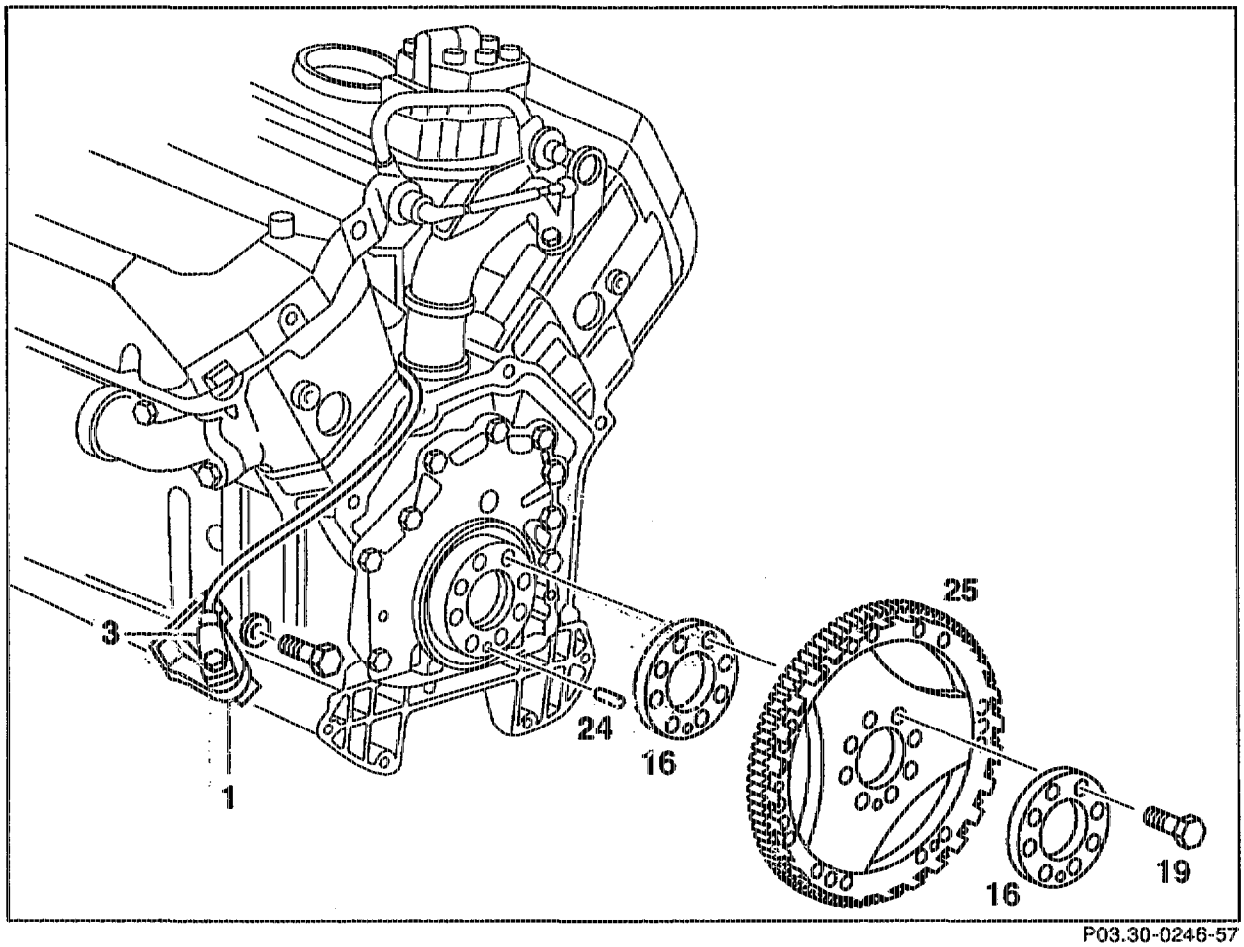
⚠
The ring gear must be installed so that the 3.5 mm dia. holes (arrows) in the ring gear and in the driven plates have the same angular position, otherwise proper operation of the ignition is not assured.



6 Kurbelwelle gegen Verdrehung fixieren. (siehe Ziffer 1).

7 Tighten bolts of driver to initial torque of 30 Nm and tightening angle of 90°.
Note
Bolts are microencapsulated; use only once.

8 Screw on position sensor of ignition control unit with bracket.



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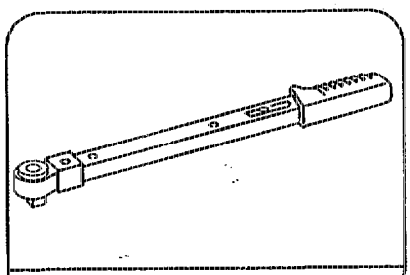
25 Driven plate, starter ring gear and increment gear are a fixed riveted assembly as of start of production of M119.98.

Retaining lock for crankshaft/ring gear	install, remove. (03–5000).
Position sensor (3) of ignition control unit with bracket (1)	unbolt, bolt on.
Stretch bolts (19)	unscrew, replace.
Combined driven plate/starter ring gear (25)	take off, fit on.
	⚠ Mount of driven plate, of bolts and plate mount must be free of damage and dirt. Install bolts (19) without sealant otherwise leaks may occur.
Installation position and installation order	note.
	⚠ The driven plate (25) and the plate base (16) must be installed so that the dowel pin engages in the Ø 8 mm hole.



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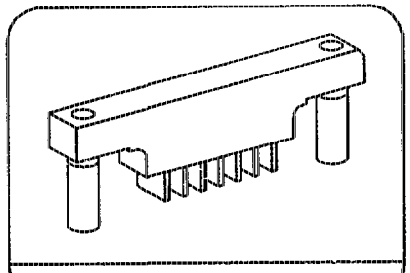

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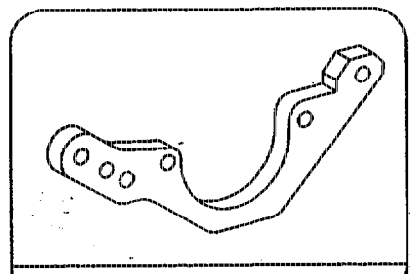

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Tightening torques in Nm

Thread ∅	M 12×1.5
Initial torque	30–40
Tightening angle	90–100°

Note

The threaded holes in the crankshaft flange are drilled through. If the bolts are removed and the engine is inclined, engine oil flows out of the threaded holes.