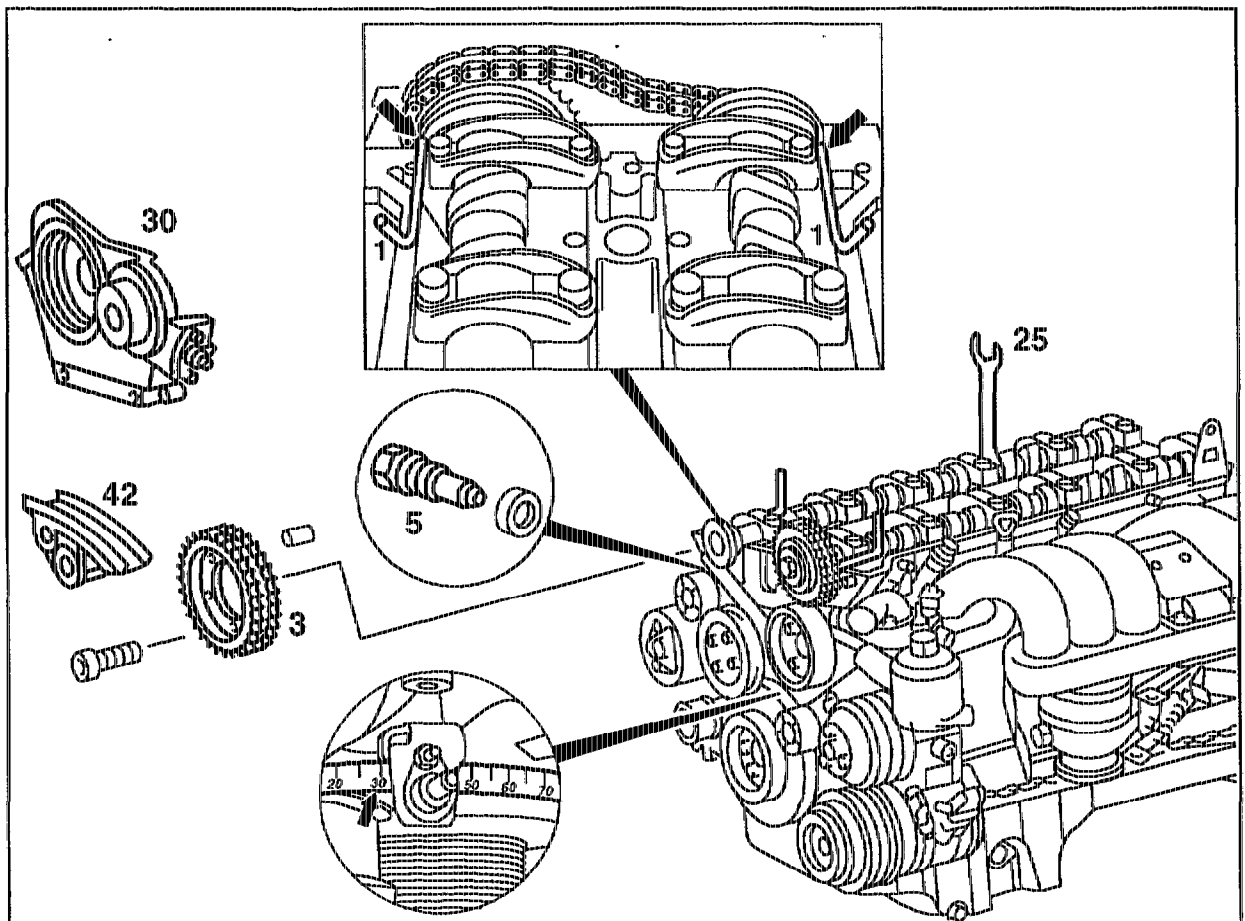


05-2240 Adjusting basic position of camshafts

Preceding work:

Basic position of camshaft checked (05-2230).



P05-5394-57

Crankshaft	position to 30° BTDC of cylinder 1 (arrow) (01-0120).
Chain tensioner (5)	remove (05-3100).
Front cover (30) and top guide rail (42)	remove (01-2120).
Exhaust camshaft sprocket (3)	unbolt, remove.
Camshafts	rotate with wrench (25) 119 589 00 01 00 (WAF 27) or 104 589 01 01 00 (WAF 29) until the 4 mm holes in the camshaft flanges are touching top edge of cylinder head.
Pins (1)	insert into holes (arrows).

Crankshaft	rotate with wrench socket insert in direction of rotation of engine to TDC position of cylinder 1; raise timing chain for this step.
Camshaft aduster	rotate by hand in direction of rotation of camshaft to "retarded" position stop.
Timing chain	fit onto inlet camshaft sprocket and check whether timing chain is resting correctly against guide rail in timing case cover.
Exhaust camshaft sprocket (3)	install in base position of camshaft, bolt on.
Front cover (30) and top guide rail (42)	install (01-2120).
Chain tensioner (5)	install (05-3100).
Basic position of camshafts	check (05-2230).

Tightening torque in Nm

Camshaft sprocket to camshaft

(see 05-2180)

Special tools

