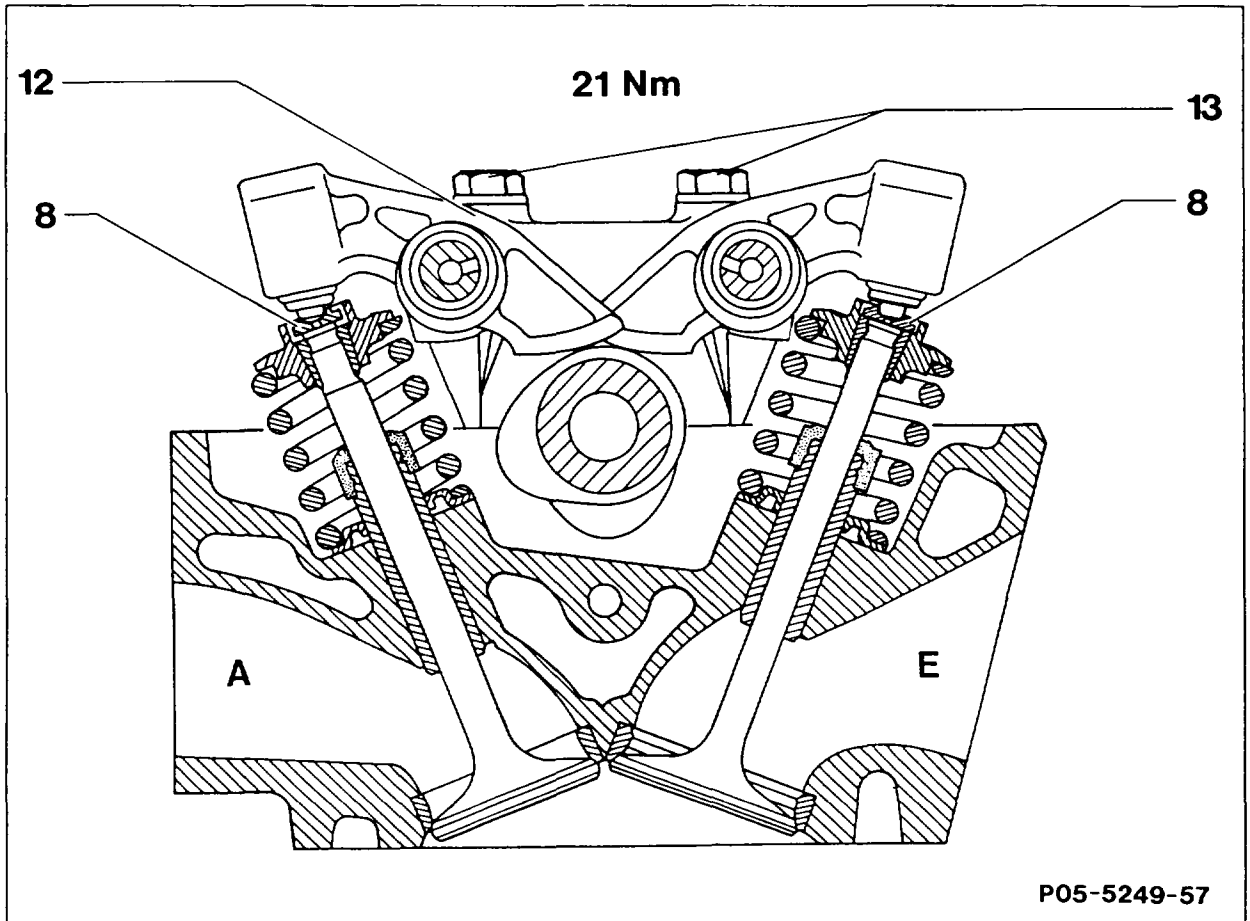


05-2190 Removing and installing rocker arm bearing bracket

Preceding work:
Camshaft oil pipe removed (18-4200).



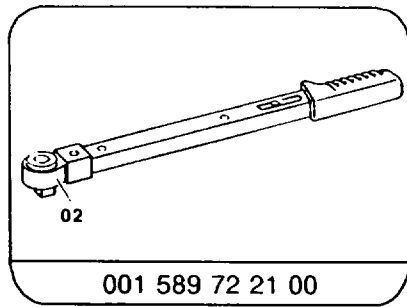
Crankshaft or camshaft
Bolts (13)
Camshaft bearing cap (12)

rotate until the camshaft base circles are resting on the rocker arms.
unscrew, screw on (15 Nm).
remove, install at the same point; see note.
Use a plastic-headed hammer to detach tight camshaft bearing caps. Pay attention to dowel sleeves.



Pay attention to ball sockets (8); re-install at the same point.
Replace M8 × 70 bolts (12) by M8 × 73 10.9 bolts

Special tool

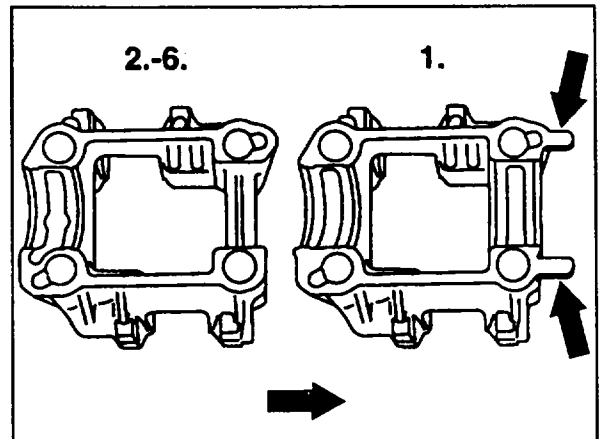


Note

The camshaft runs in 7 bearing points in the cylinder head and is bolted with 6 bearing brackets.

The front bearing bracket has two bearing points and two retaining lugs.

The retaining lugs are designed to fix the thrust washer of the camshaft.

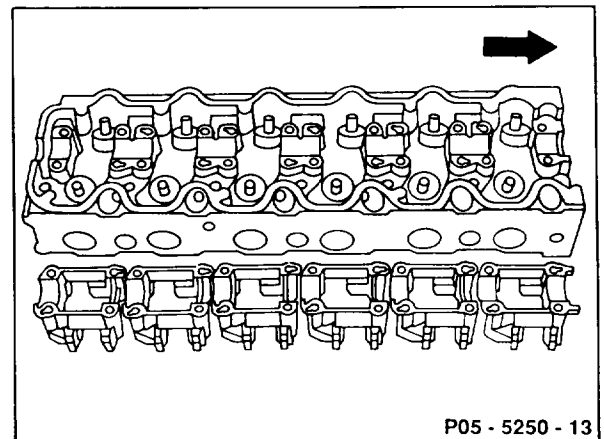


The numbered bearing brackets are each centered with 2 dowel sleeves at the cylinder head and bolted with 4 M8 × 70 bolt + washer assys, as of 06/1990 with M8 × 73 10.9 bolt + washer assys.

When performing repairs, always use M8 × 73 10.9 bolt + washer units.

The bearing brackets are machined bolted to the cylinder head.

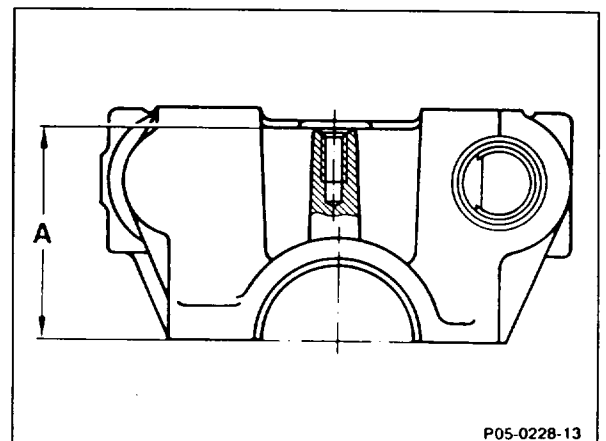
Camshaft with oversized bearing journals (+ 0.5 mm) are used for camshaft bearings with 0.5 mm oversize (eg. reconditioned engine).



Modification of thread layout on camshaft bearing brackets

The distance between oil pipe and rocker arm has been enlarged as of 10/1985 as a result of the modified thread layout, size (A), at the camshaft bearing brackets.

Size A = 45.5 mm, was 44 mm.



Distance between oil pipe and rocker arm, production breakpoint: 10/1985

Model	Engine	Engine end no.		Vehicle ident end no.	
		man. transm.	autom. transm.	A	F
107.041	103.982	000154	000797	039305	*
124.026	103.940	001674	001697	130409	*
124.030 124.090	103.983	001901	010227	*	000652
126.020	103.941	000204	000812	205283	*
126.024 126.025	103.981	000479	003337	*	*

* not recorded

Bolts for camshaft bearing caps at cylinder head

M8 x 73 10.9 (previously M8 x 70)
bolts + washers are used.

This avoids shearing of the securing thread in the cylinder head.

M8 x 73 10.9 bolt + washer, production breakpoint: 06/1990

Model	Engine	Engine end no.		Vehicle ident end no.	
		man. transm.	autom. transm.	A	F
124.026	103.940	031610	085509	*	*
124.030 124.050 124.090	103.983	037849	216069	*	*
124.226	103.943	000522	001309	*	*
124.230 124.290	103.985	002519	012156	*	*
126.020	103.941	004687	015600	*	*
126.024 126.025	103.981	008251	119980	*	*
129.060	103.984	000311	001317	*	*
201.029	103.942	017516	048668	*	*

* not recorded