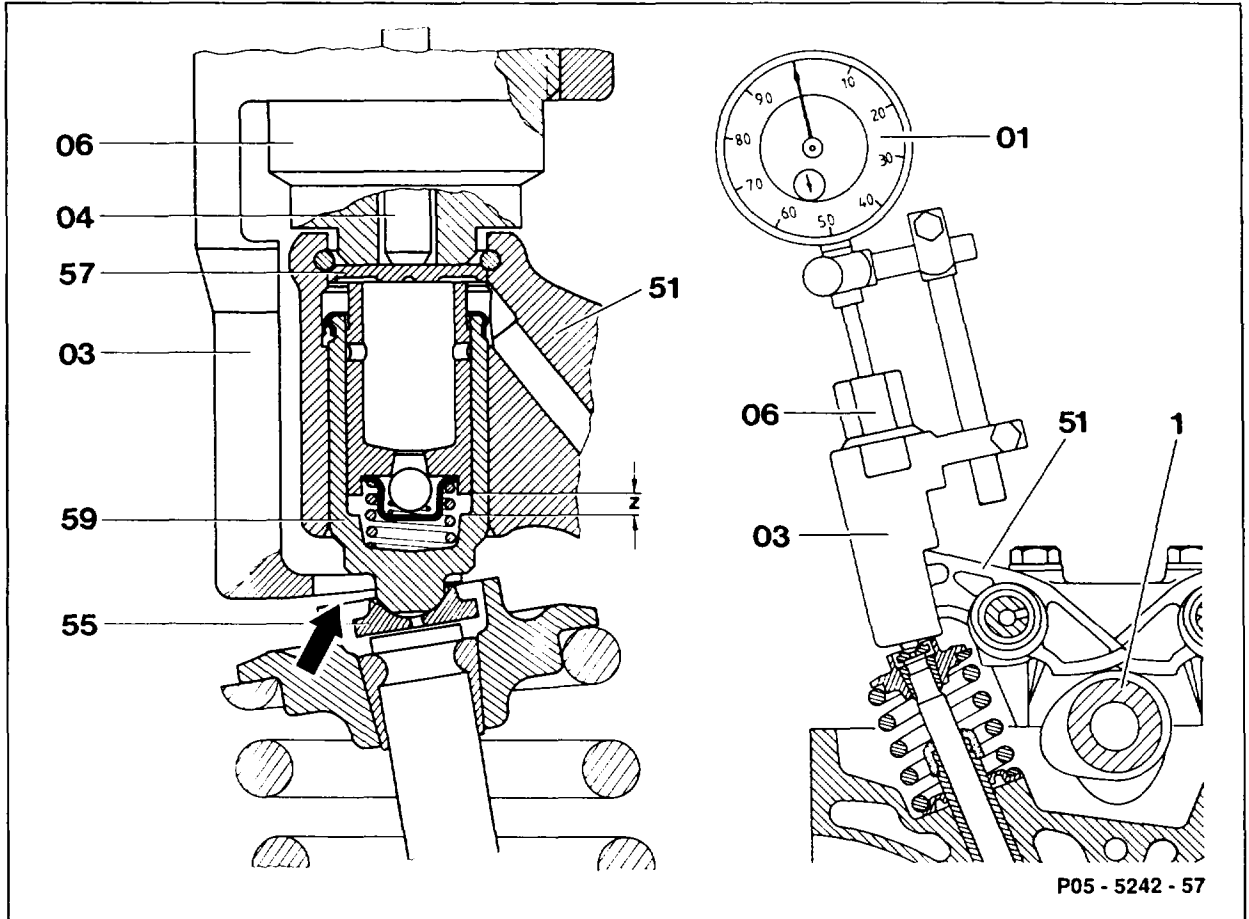


## 05-2130 Checking basic position of hydraulic compensating elements

Preceding work:

Fan shroud removed (20-3400).

Cylinder head cover removed (01-0500).



Crankshaft .....

rotate and position cam (1) of compensating element to be checked to base circle.

Pronged sleeve (03) of measuring device  
102 589 04 21 00 .....

position at guide sleeve (59) of compensating element (arrow).

Hexagon head of thrust piece (06) .....

screw in by hand until it touches the washer (57).

### Note

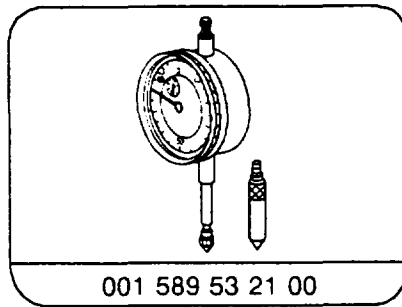
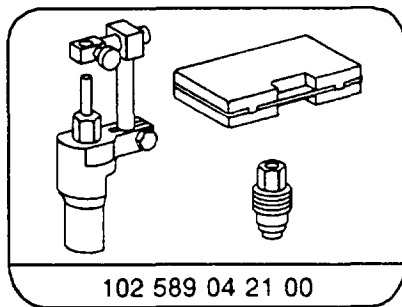
The thrust piece (06) must be touching the washer (57) of the compensating element and not the rocker arm (51) otherwise the residual stroke (z) measured will be incorrect.

Dial gauge (01) with measuring pin (04) . . . . .	insert into measuring device.
Dial gauge (01) . . . . .	clamp in measuring device with preload of 5 mm.
Large pointer of dial gauge . . . . .	set to "0".
Hexagon head of thrust piece (06) . . . . .	screw in with wrench until residual stroke (z) is eliminated.
Residual stroke (z) (adjustment) . . . . .	read off on dial gauge (01), note.
Residual stroke must be between . . . . .	0.5 – 2.4 mm.
If residual stroke is greater or less, . . . . .	adjust basic position of hydraulic compensating elements (05–2140).



Stretched inlet valves may produce a residual stroke of less than 0.5 mm!

### Special tools



### Note

The installation position of the hydraulic valve compensating elements must be checked:

- If valve gear is noisy and no operating fault of compensating element exists (05–2110).
- If valves and valve seat rings have been machined.

The compensating elements must be filled with engine oil for checking.