

Tightening Torque in kpm

Hex. bolt for attaching cylinder head cover	0.5
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Special Tools

Model	Removing and installing tool for rocker arms and valve springs with camshaft installed	116 589 00 61 00
M 116		
M 117		
	Magnetic lift for valve cone halves	108 589 09 63 00

Removal

- 1 Remove rocker arms (05.1–230).
 - 2 Set piston of pertinent cylinder to firing TDC and support valves by compressed air.
- Caution!** Valves should not seat on piston crown, since the angular arrangement of the valves in relation to the piston will distort or bend the valves.
- 3 Apply one hammer blow against valve spring retainer so that the valve cone halves become loose.
 - 4 Push valve spring retainer with removing and installing tool downwards until the valve cone halves (45) are free and can be removed with magnetic lift (Fig. 1).
 - 5 Remove valve spring retainer and valve spring.
 - 6 Check valve spring and replace according to findings (05.0–163).

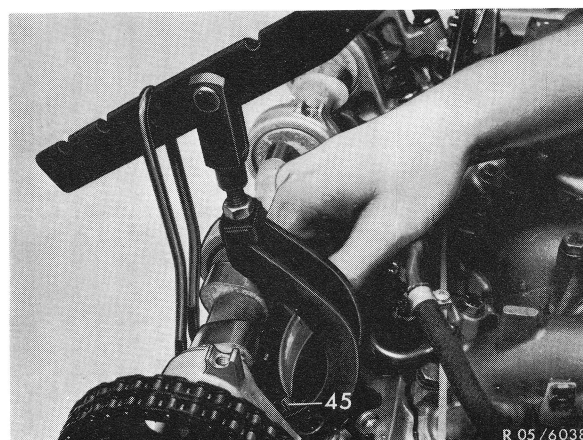


Fig. 1
45 Valve cone halves

Installation

For installation proceed vice versa. Mount outer valve spring in such a manner that the close windings are resting against cylinder head.