

If there is uneven contact, the valve seat should be cut by first using the valve seat interior cutter followed by the top cutter and then finished with the 90° seat cutter. (Fig. 52)

#### 4) Valve lapping

Finally, lap the valve into the seat using a fine valve grinding compound. A uniform lap ring on the face of the valve indicates a good seating.

#### 5) Valve spring

Item	Standard value		Serviceable limit	
Free length	CB100 CL100 SL100	Outer	40.4mm (1.591 in.)	39.0mm (1.535 in. min.)
		Inner	35.7mm (1.406 in.)	34.5mm (1.358 in. min.)
	CB125S CD125S SL125	Outer	40.9mm (1.610 in.)	39.5mm (1.555 in. min.)
		Inner	33.5mm (1.318 in.)	32.0mm (1.259 in. min.)

### C. Reassembly

- 1) Clean all parts with solvent or kerosene and perform the reassembly in the reverse order of disassembly.
- 2) Reassemble the cylinder head in accordance with paragraph 3.C.

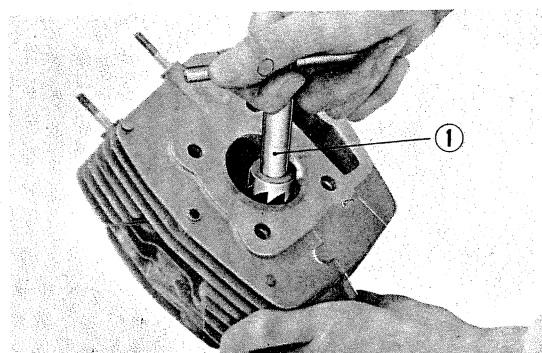


Fig. 52 Valve seat dressing  
① Valve seat 90° cutter (Tool No. 07001-10701)

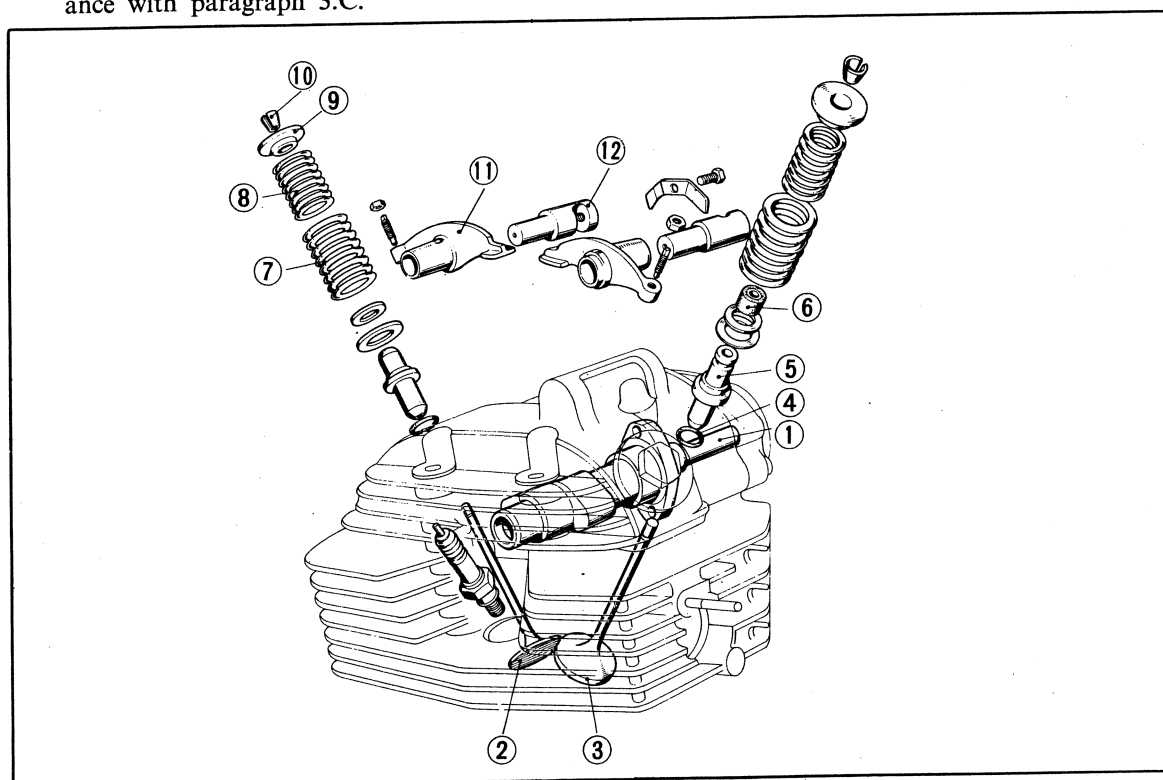


Fig. 53 ① Camshaft ② Inlet valve ③ Exhaust valve ④ O ring ⑤ Valve guide ⑥ Valve stem seal ⑦ Valve outer spring  
⑧ Valve inner spring ⑨ Valve spring retainer ⑩ Valve cutter ⑪ Valve rocker arm ⑫ Valve rocker arm shaft