

II. CONSTRUCTION

1. CAMSHAFT AND VALVE MECHANISM

Cylinder head

The cylinder head is so designed that the rocker arm shafts and rocker arms are incorporated into the cylinder head cover.

It can be removed or installed with the engine mounted on the frame to enable the cylinder and pistons to be replaced easily.

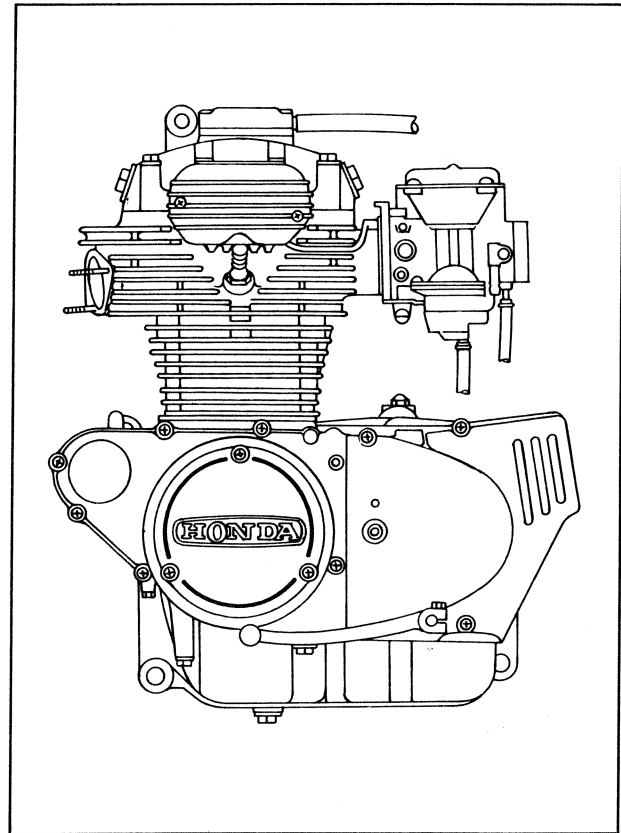


Fig. 2-1

Valve guides

Each valve guide is securely supported by the spring seats as shown at right. It is also provided with the stem seals to prevent oil from leaking into the combustion chamber.

When disassembling the valve guide, take care not to compress the valve compressor (Tool No. 07957-3290000) more than necessary; otherwise the stem seals may be damaged.

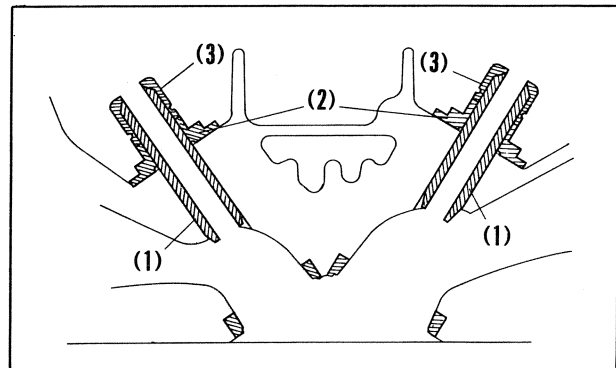


Fig. 2-2 (1) Valve guide
(2) Spring seat
(3) Stem seal

Cylinder

The cylinder is an aluminum die casting which is light-weight and has great cooling efficiency. Two special cast iron sleeves are pressed into the cylinder.

Eight stud bolt holes are provided in the cylinder and the two holes at the rear outside act as oil passages to the cylinder head. In the two holes O-rings are inserted to prevent oil leakage.

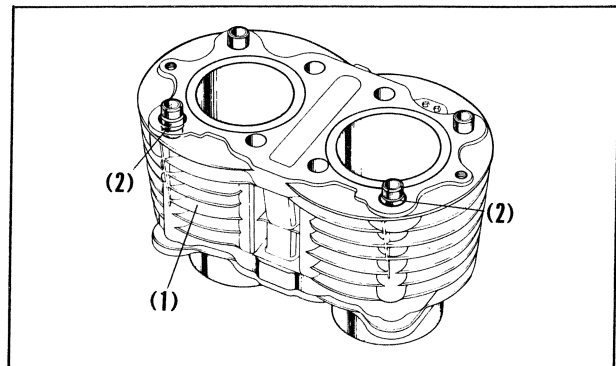


Fig. 2-3 (1) Cylinder
(2) Cylinder stud bolt gasket