

- Assemble the valve so that the smaller pitch side of the valve springs is toward the cylinder head, using the valve spring compressor (Tool No. 07957-3290000).

CAUTION:

Compress the springs with careful attention paid not to break the valve stem seal.

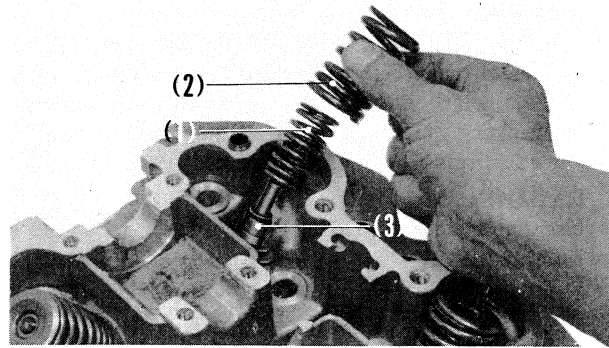


Fig. 4-29 (1) Inner valve spring
(2) Outer valve spring
(3) Valve stem seal

- Use the piston rings of the same brand in a set. Face the markings on the rings upward when installing them in the grooves in the piston.

CAUTION:

Do not install the top and second rings conversely.

- * When using new piston rings, install them in the grooves in the piston and check for proper fit.
- Each ring gap must be staggered 120° and must not be at right angles to the piston pin.
 - Install the piston with the arrow, if marked, on the head facing front (exhaust side).
- * Apply a coat of oil to the piston rings first.

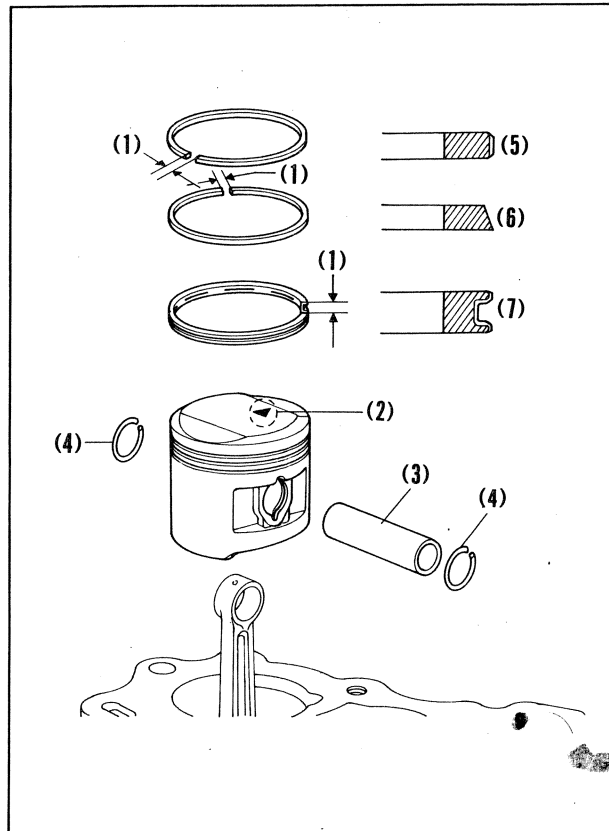


Fig. 4-30 (1) Piston ring gaps (5) Top ring
(2) Mark (6) Second ring
(3) Piston pin (7) Oil ring
(4) Piston pin clips

- While holding the piston rings with the piston ring compressor (Tool No. 07954-3670000 for 250 model, Tool No. 07954-3690000 for 360 model), carefully install the cylinder.
- Upon noting that pistons are properly positioned in the cylinder, route the cam chain into the cylinder and install the cylinder securely.

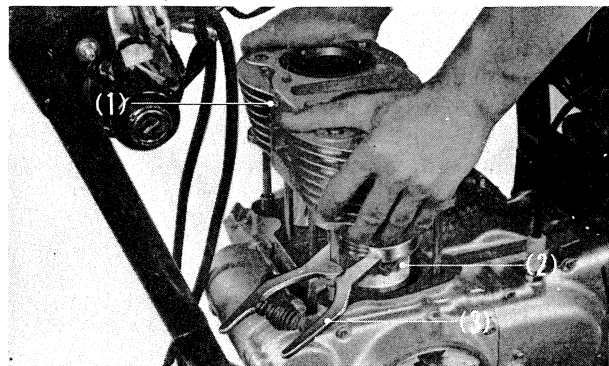


Fig. 4-31 (1) Cylinder
(2) Piston
(3) Piston ring compressor