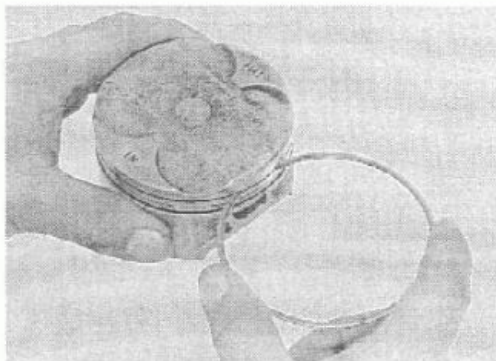


Remove any carbon deposits from the piston ring grooves, using an old piston ring as shown.



PISTON INSPECTION

Temporarily install the piston rings to their proper position with the mark facing up.

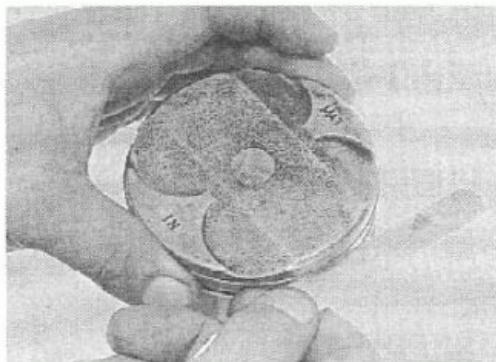
Measure the piston ring-to-ring groove clearance with the rings pushed into the grooves.

SERVICE LIMITS:

Top: 0.08 mm (0.003 in)

Second: 0.06 mm (0.002 in)

Inspect the piston for wear or damage.



Insert the piston ring squarely into the bottom of the cylinder and measure the ring end gap.

NOTE:

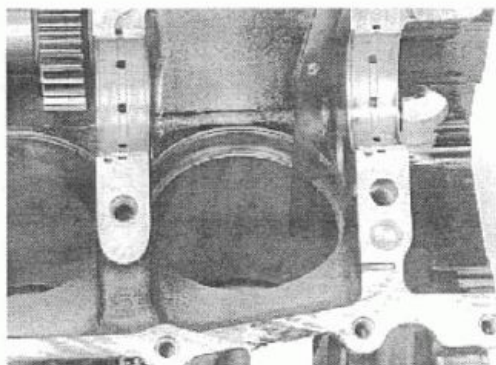
Push the rings into the cylinder with the top of the piston to be sure they are squarely in the cylinder.

SERVICE LIMITS:

Top: 0.5 mm (0.02 in)

Second: 0.7 mm (0.03 in)

Oil (side rail): 1.0 mm (0.04 in)



Measure the diameter of the piston at 15 mm (0.6 in) from the bottom and 90 degrees to the piston pin hole.

SERVICE LIMIT: 78.90 mm (3.106 in)

