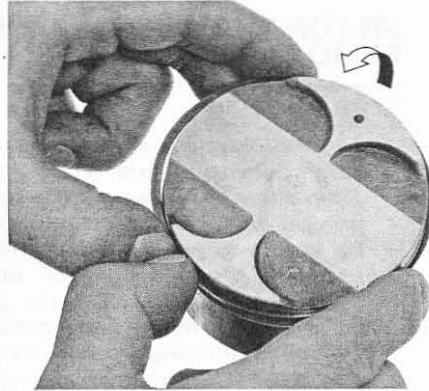


CRANKCASE/CRANKSHAFT/BALANCER/PISTON/CYLINDER

PISTON DISASSEMBLY

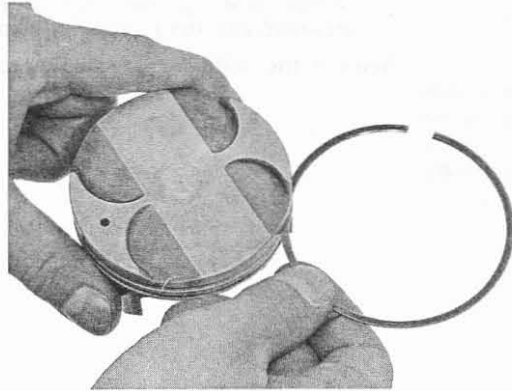
Be careful not to damage the piston ring by spreading the ends too far.

Spread each piston ring end and remove them by lifting up at a point opposite the gap.



Never use a wire brush; it will scratch the groove.

Clean carbon deposits from the piston ring grooves with a ring that will be discarded.



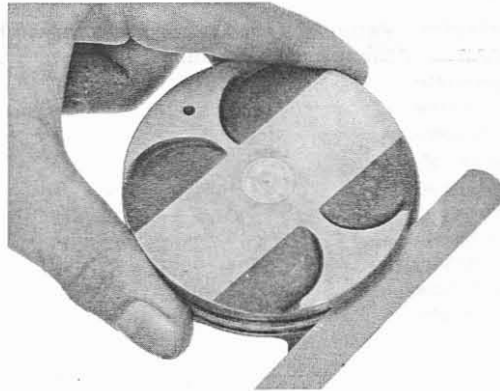
PISTON INSPECTION

Inspect the piston rings for movement by rotating the rings. The rings should be able to move in their grooves without catching.

Push the ring until the outer surface of the piston ring is nearly flush with the piston and measure the ring-to-ring groove clearance.

SERVICE LIMITS:

Top: 0.125 mm (0.0049 in)
Second: 0.075 mm (0.0030 in)



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

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

SERVICE LIMITS:

Top: 0.52 mm (0.020 in)
Second: 0.82 mm (0.032 in)
Oil (side rail): 1.0 mm (0.04 in)

