

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: 0.115 mm (0.0045 in)
Second: 0.085 mm (0.0033 in)



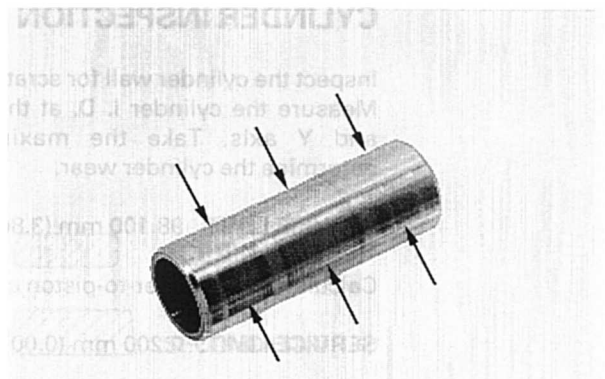
Insert each piston ring into the bottom of the cylinder squarely using the piston. Measure the ring end gap.

SERVICE LIMITS: Top: 0.55 mm (0.022 in)
Second: 0.70 mm (0.028 in)
Oil (side rail) : 0.90 mm (0.035 in)



Measure the piston pin O. D. at piston and connecting rod sliding areas.

SERVICE LIMIT: 23.984 mm (0.9443 in)



Measure the piston pin hole I. D.

SERVICE LIMIT: 24.03 mm (0.946 in)

Calculate the piston-to-piston pin clearance.

SERVICE LIMIT: 0.046 mm (0.0018 in)

