

Pistons



Inspection

1. Check the piston for distortion or cracks.

NOTE: If cylinder is bored, an oversized piston must be used.

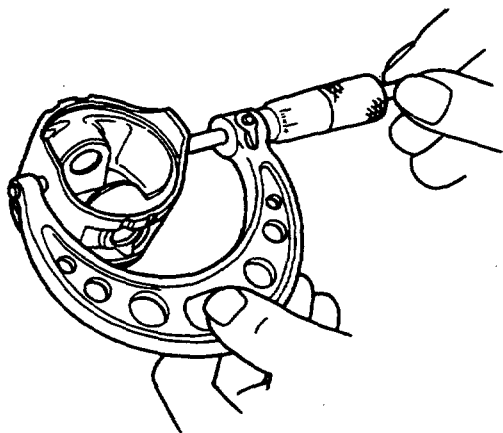
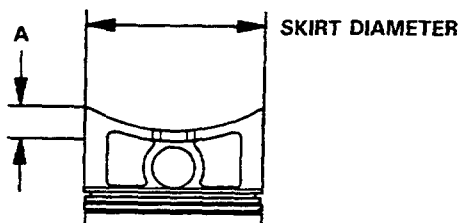
2. Measure piston diameter at a point A from bottom of skirt.

A: 15 mm (0.6 in)

Piston Diameter:

Standard (New): 74.980–74.990 mm
(2.9520–2.9524 in)

Service Limit: 74.970 mm (2.9516 in)

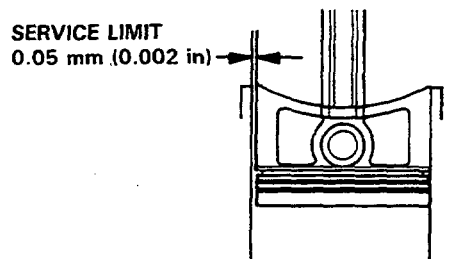


3. Calculate difference between cylinder bore diameter (see page 7-12) and piston diameter.

Piston-to-Cylinder Clearance

Standard (New): 0.010–0.040 mm
(0.0004–0.0016 in)

Service Limit: 0.05 mm (0.002 in)



If the clearance is near or exceeds the service limit, inspect the piston and cylinder block for excessive wear.

Oversize Piston Diameter

0.25: 75.23–75.24 mm (2.9618–2.9622 in)

0.50: 75.48–75.49 mm (2.9716–2.9720 in)