

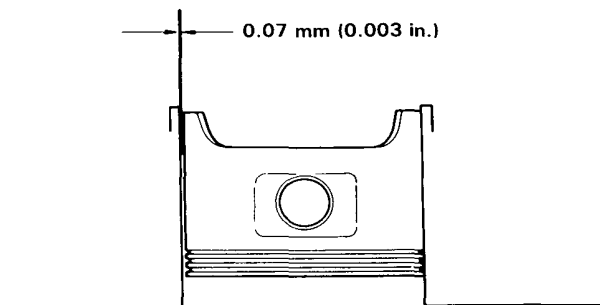
Piston



Piston-to-Block Clearance

1. Make a preliminary piston-to-block clearance check with a feeler gauge:

Service Limit: 0.07 mm (0.003 in.)



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

To confirm the feeler gauge check, further measurement with a micrometer will be necessary.

2. Calculate difference between cylinder bore diameter on page 7-10 and piston diameter.

Piston-to-Cylinder Clearance:

Standard (New): 0.01—0.05 mm
(0.0004—0.0020 in.)

Service Limit: 0.07 mm (0.003 in.)

Inspection

1. Check the piston for distortion or cracks.

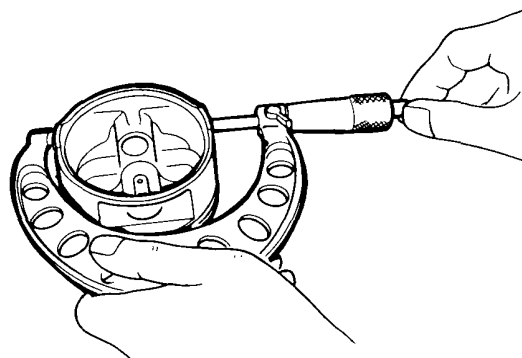
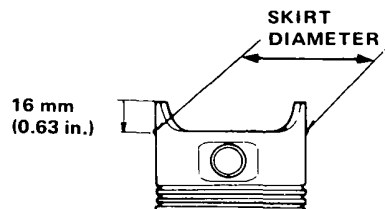
NOTE: If cylinder is bored, an oversized piston must be used.

2. Measure piston diameter at a point 16 mm (0.63 in.) from bottom of skirt.

Piston Diameter

Standard (New): 74.98—74.99 mm
(2.9520—2.9524 in.)

Service Limit: 74.97 mm (2.9516 in.)



Oversize Piston Diameter

Standard 0.25: 75.23—75.24 mm
(2.9618—2.9622 in.)

Standard 0.5: 75.48—75.49 mm
(2.9716—2.9720 in.)

3. Check the piston pin-to-piston clearance. Coat the piston pin with engine oil. It should then be possible to push the piston pin into the piston hole with thumb pressure.

Piston Pin-to-Piston Clearance:

Standard (New): 0.010—0.040 mm
(0.0004—0.0016 in.)