

Piston/Connecting Rod Assemblies



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 17 mm (0.67 in) from the bottom of the skirt.

NOTE: There are two standard-size pistons (A = no letter and B). The letter is stamped on the top of the piston. These letters are also stamped on the block as cylinder bore sizes.

M/T:

Piston A (no letter) Diameter

Standard (New): 92.990 - 93.003 mm
(3.6610-3.6615 in)

Service Limit: 92.97 mm (3.6602 in)

Piston B Diameter

Standard (New): 92.980 - 92.993 mm
(3.6606-3.6611 in)

Service Limit: 92.96 mm (3.6598 in)

A/T:

Piston A (no letter) Diameter

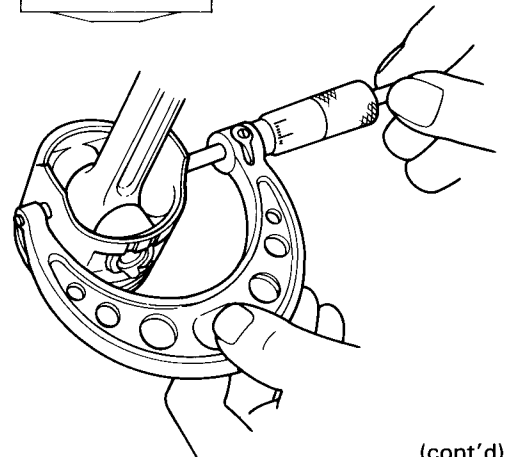
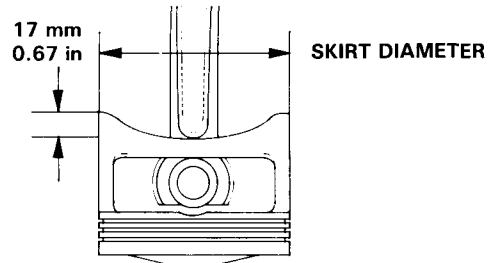
Standard (New): 89.986 - 90.004 mm
(3.5427 - 3.5435 in)

Service Limit: 89.97 mm (3.5421 in)

Piston B Diameter

Standard (New): 89.976 - 89.994 mm
(3.5424 - 3.5431 in)

Service Limit: 89.96 mm (3.5417 in)



(cont'd)

Piston/Connecting Rod Assemblies

Inspection (cont'd)

3. Calculate the difference between cylinder bore diameter on page 7-12 and piston diameter.

Piston-to-Block Clearance

M/T:

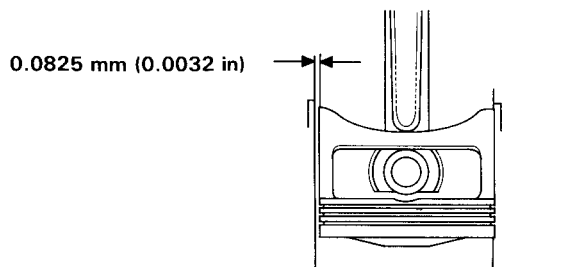
Standard (New): 0.007 – 0.030 mm
(0.0002 – 0.0012 in)

Service Limit: 0.0785 mm (0.0031 in)

A/T:

Standard (New): 0.006 – 0.034 mm
(0.0002 – 0.0014 in)

Service Limit: 0.0825 mm (0.0032 in)



Oversize Piston Diameter (A/T)

0.25: 90.226 – 90.244 mm (3.5522 – 3.5529 in)

0.50: 90.476 – 90.494 mm (3.5620 – 3.5627 in)