

# **Component Procedures: Piston**

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# Component Procedures: Piston

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Piston > Piston & Connecting?	L3Y911010	23 - Piston	238.32	
Piston > Piston & Connecting?	L3YD11010	23 - Piston	223.57	

### Mechanical (including Torque) (itype\_28)

#### Piston

##### Piston Diameter

(Standard) ..... 87.465-87.495 mm (3.4435-3.4446 in)

##### Piston-to-cylinder clearance

(Standard) ..... 0.025-0.045 mm (0.0010-0.0017 in)

(Maximum) ..... 0.11 mm (0.0043 in)

##### Piston ring

##### -to-ring groove clearance (Standard)

Top: ..... 0.03-0.08 mm (0.0012-0.0031 in)

Second: ..... 0.03-0.07 mm (0.0012-0.0027 in)

Oil: ..... 0.03-0.07 mm (0.0012-0.0027 in)

##### Piston ring-to-ring groove clearance (Maximum)

Top: ..... 0.17 mm (0.0067 in)

Second, Oil: ..... 0.15 mm (0.0059 in)

##### Piston end gap (Standard)

Top: ..... 0.16-0.31 mm (0.0063-0.0122 in)

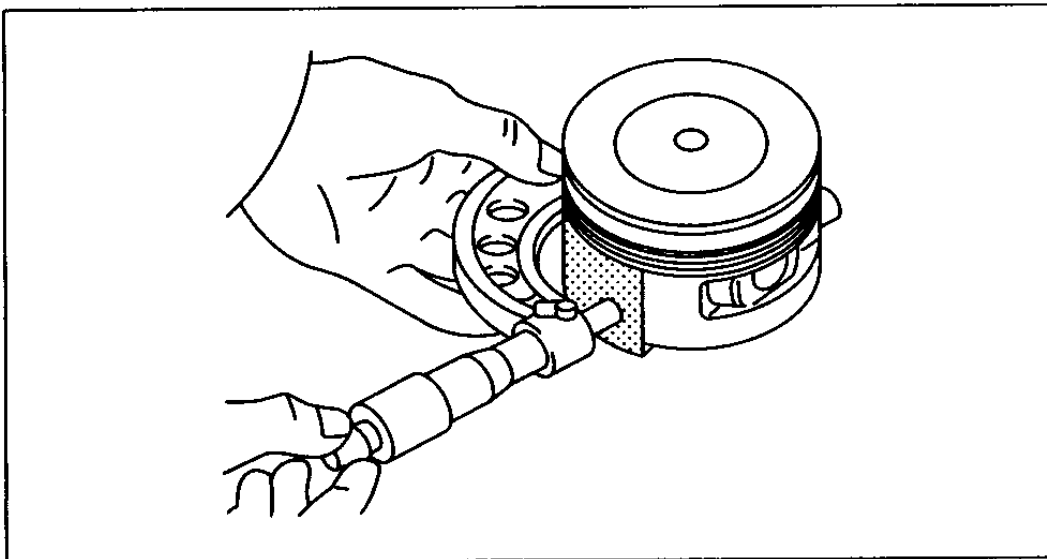
Second: ..... 0.33-0.48 mm (0.0130-0.0189 in)

Oil (rail): ..... 0.20-0.70 mm (0.0079--0.0275 in)

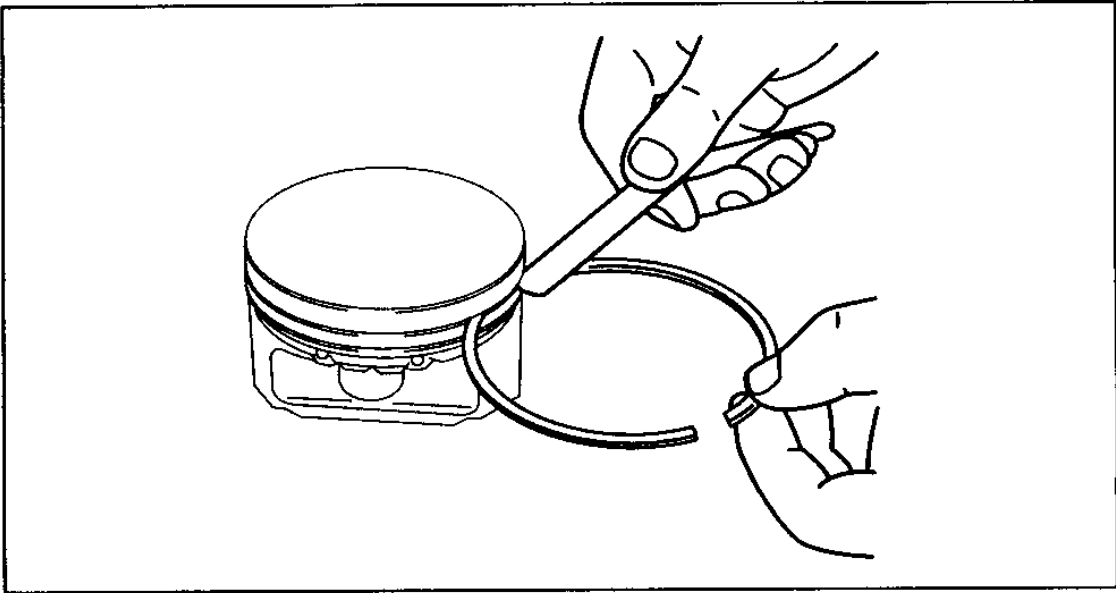
##### Piston end gap (Maximum)

All ..... 1.0 mm (0.0393 in)

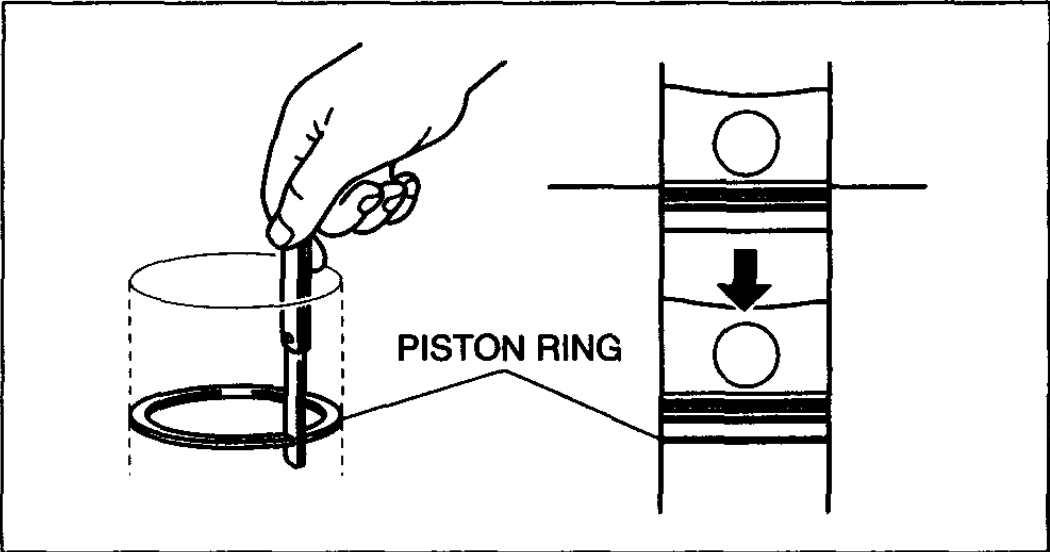
### Piston Inspection (Article 1416224)



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