

Component Procedures: Piston Ring

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Component Procedures: Piston Ring

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Piston Rings > Federal	L3Y611SC0	22 - Piston Rings	197.59	Includes: Standard Ring Se?
Piston Rings > California	LPY711SC0A	22 - Piston Ring Set	155.82	Includes: Standard Ring Se?

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	One Cylinder	A	16.9	0.0
Replace	One Cylinder > NOTE > To R&R Connecting Rod B?	A	0.1	0.0
Replace	One Cylinder > NOTE > To R&R Piston, Pin or C?	A	0.2	0.0
Replace	One Cylinder > NOTE > To R&R Piston, Pin or C?	A	0.1	0.0
Replace	One Cylinder > NOTE > To R&R Piston, Pin or C?	A	0.5	0.0
Replace	Each Additional	A	0.3	0.0
Replace	Each Additional > NOTE > To R&R Connecting Ro?	A	0.1	0.0
Replace	Each Additional > NOTE > To R&R Piston, Pin o?	A	0.2	0.0
Replace	Each Additional > NOTE > To R&R Piston, Pin o?	A	0.1	0.0
Replace	Each Additional > NOTE > To R&R Piston, Pin o?	A	0.5	0.0

Mechanical (including Torque) (itype_28)

Piston Ring

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) 1.0 mm (0.0393 in)