

ENGINE REBUILDING SPECIFICATIONS

Component	US	Metric	
Piston-to-Bore or Liner Clearance (cont.)			
3.0L	0.0014-0.0022 in.	0.0356-0.0559 mm	
3.0L/3.2L SHO	0.0012-0.0020 in.	0.0305-0.0508 mm	
3.8L	0.0014-0.0032 in.	0.0356-0.0813 mm	
Piston Pin Diameter			
2.5L	0.9124-0.9127 in.		
3.0L	0.9119-0.9124 in.		
3.0L SHO	0.8267-0.8271 in.		
3.2L SHO	0.8660-0.8665 in.		
3.8L	0.9122-0.9128 in.		
Piston Pin-to-Bore Clearance			
2.5L	0.0002-0.0005 in.	0.0050-0.0127 mm	
3.0L	0.0002-0.0005 in.	0.0050-0.0127 mm	
3.0L/3.2L SHO	-0.0002-0.00004 in.	-0.0050-0.0010 mm	
3.8L	0.0002-0.0005 in.	0.0002-0.0005 mm	
Piston Ring End Gap			
2.5L			
	Top	0.008-0.016 in.	0.203-0.406 mm
	Bottom	0.008-0.016 in.	0.203-0.406 mm
	Oil	0.015-0.055 in.	0.381-1.397 mm
3.0L			
	Top	0.010-0.020 in.	0.254-0.508 mm
	Bottom	0.010-0.020 in.	0.254-0.508 mm
	Oil	0.010-0.049 in.	0.254-1.245 mm
3.0L SHO			
	Top	0.012-0.018 in.	0.305-0.457 mm
	Bottom	0.012-0.018 in.	0.305-0.457 mm
	Oil	0.008-0.020 in.	0.203-0.508 mm
3.2L SHO			
	Top	0.012-0.018 in.	0.305-0.457 mm
	Bottom	0.018-0.024 in.	0.457-0.609 mm
	Oil	0.008-0.020 in.	0.203-0.508 mm
3.8L			
	Top	0.011-0.012 in.	0.279-0.305 mm
	Bottom	0.010-0.020 in.	0.254-0.508 mm
	Oil	0.015-0.058 in.	0.381-1.473 mm
Piston Ring Side Clearance			
2.5L			
	Top	0.0020-0.0040 in.	0.0508-0.1016 mm
	Bottom	0.0020-0.0040 in.	0.0508-0.1016 mm
3.0L			
	Top	0.0012-0.0031 in.	0.0305-0.0787 mm
	Bottom	0.0012-0.0031 in.	0.0305-0.0787 mm
3.0L SHO			
	Top	0.0008-0.0024 in.	0.0203-0.0609 mm
	Bottom	0.0006-0.0022 in.	0.0152-0.0559 mm
	Oil	0.0024-0.0059 in.	0.0609-0.1499 mm
3.2L SHO			
	Top	0.0016-0.0031 in.	0.0406-0.0787 mm
	Bottom	0.0008-0.0024 in.	0.0203-0.0609 mm