

WISECO Forged Piston Kit



BIG TWIN

2007-up TC-96 Piston Kits fits 2007-up FXST, FLST, FXD and 2007-16 FLT						
1691cc 9:1 Compression 3.875" Bore						
	Standard	.005	.010			
Piston Kit	11-1011	—	—			
Wiseco Rings	11-9923	11-9924	11-9925			
1691cc 9:6:1 Compression 3.875" Bore						
	Standard	.005	.010			
Piston Kit	11-1214	11-1215	11-1216			
Wiseco Rings	11-9923	11-9924	11-9925			
1691cc 10.5:1 Compression 3.875" Bore						
	Standard	.005	.010			
Piston Kit	11-1012	11-1261	—			
Wiseco Rings	11-9923	11-9924	11-9925			
1999-up TC-88 Piston Kits fits 1999-06 FXST, FLST, FXD, FLT						
1448 cc 10.5:1 Compression 3 3/4" Bore						
	Standard	.005	.010	.020	.030	
Piston Kit	11-9928	—	—	—	11-9932	
Wiseco Rings	11-9933	11-9934	11-9935	11-9936	11-9937	
1550cc Big Bore Kit 9:1 Compression 3.875" Bore, 4" stroke						
Piston Kits include Hastings X Ring Pack						
	Standard	.005	.010	.020		
Piston Kit	11-9938	—	11-9940	11-9944		
Wiseco Rings	11-9923	11-9924	11-9925	11-9926		
1550cc Big Bore Kit 10.5:1 Compression 3.875" Bore, 4" stroke						
Piston Kits include Hastings X Ring Pack						
	Standard	.005	.010	.020	.030	
Piston Kit	11-9918	11-9919	11-9920	11-9921	11-9922	
Wiseco Rings	11-9923	11-9924	11-9925	11-9926	11-9927	
1984-99 Evolution Piston Kits						
1340cc 8.5:1 Stock Compression 3 1/2" Bore. Piston Kits include Hastings X Ring Pack.						
	Standard	.010	.020	.030	.040	
Piston Kit	11-9830	11-9831	11-9832	11-9833	11-9834	
Wiseco Rings	11-9759	11-9762	11-9760	11-9764	11-9765	
1340cc 10:1 Compression 3 1/2" Bore. Piston Kits include Hastings X Ring Pack.						
	Standard	.005	.010	.020	.030	.040
Piston Kit	11-9895	11-9896	11-9897	11-9898	11-9899	11-9900
Wiseco Rings	11-9759	11-9901	11-9762	—	11-9764	11-9765
1340cc 11:1 Compression 3 1/2" Bore Piston Kits include Hastings X Ring Pack.						
	Standard	.005	.010	.020	.030	.040
Piston Kit	11-9840					11-9845
Wiseco Rings	11-9759	11-9901	11-9762	11-9760	11-9764	11-9765
1340cc 9.25:1 Compression 3 3/4" Bore Stock Stroke. Includes head and base gasket. Achieves 88 cubic inch. Piston Kits include Hastings X Ring Pack.						
	Standard	.005	.010	.020	.030	
Piston Kit	11-9903	—	—	—	—	—
Wiseco Rings	11-9908	11-9909	11-9910	11-9911	11-9912	
1340cc 3.75" Bore, 93.4"						
1340cc 9.5:1 Compression 3 3/4" Bore Stock Stroke achieves 93.4 cubic inch. Piston kits include Hastings X Ring Pack.						
	Standard	.005	.010	.020	.030	
Piston Kit	11-1699	—	—	—	—	—
Wiseco Rings	11-9971	—	—	—	—	—



Note: All Wiseco Rings are sold per piston.



Wiseco Replacement Circlips fit all Wiseco pistons, available in pairs.

VT No. Bore
11-9773 3 7/16" & 3 1/2"
11-9774 3 3/4"

Wiseco Replacement Wrist Pins are sold each.

VT No. Bore
11-9778 3 1/2"
11-9981 3 3/4"



KB PERFORMANCE PISTONS

The Keith Black 390 Hypereutectic alloy is cast in a permanent steel mold which makes it possible to build a light weight piston that makes more power and uses less fuel and lasts longer than any other type of piston being made today. We can now forget about running loose, noisy, oil-burning pistons. The low heat transfer of the alloy keeps the skirts cool so piston expansion is minimal. Test engines have run with as little as .0005" (1/2 thousandth) piston-to-wall clearance. The combination of a low heat transfer piston alloy and high compression ring placement increases power and economy. The high ring placement alone reduces detonation and increases the top ring temperature. It is important to see our ring end gap instructions to avoid ring butting.

The KB piston will make maximum power at 2 to 4 degrees less total timing than conventional pistons. All KB piston sets are supplied with Hastings Moly Ring sets. Safe top ring end gaps can be found by multiplying the bore diameter by the appropriate ring end gap factor from the adjoining chart.

Example: 3.5" bore "Street Normally Aspirated" = 3.5" bore x .0065" = .023" top ring end gap.

Note: Second ring end gaps do not need extra clearance

Engine Model	1340cc Evolution FLH-FX	1340cc Evolution FL-FX	1340cc Evolution FL-FX	TC-88 FL-FX 1999-06	TC-88 FL-FX 88"	TC-88 FL-FX 2007-up
Years	1984-up	1984-up	1984-up	1999-06	88"	2007-up
C.I.D.	80"	80"	80"	88"	3.750"	FXST, FLST, FXD, 2007-16 FLT
Bore	3.498	3.498	3.498	3.750"	4.00"	95"
Stroke	4.250"	4.250"	4.250"	4.00"	4.938"	3.875"
Cylinder	5.550"	5.550"	5.550"	4.938"	10.6:1	4.00"
Height	8.6:1	9.6:1	10.5:1	8.8:1		9.3:1
Comp. Ratio						
Standard	11-2216	11-2257	11-2222	11-2264	11-2269	11-2274
.005	11-2217	11-2258	11-2223	11-2265	11-2270	11-2275
.010	11-2218	11-2259	11-2224	11-2266	11-2271	11-2276
.020	11-2219	11-2260	11-2225	11-2267	11-2272	11-2277
.030	11-2220	11-2261	11-2226	11-2268	11-2273	11-2278
.040	11-2221	11-2262	11-2227	—	—	—

APPLICATION	RING END GAP FACTOR	PISTON TO WALL CLEARANCE
Street Normally Aspirated	.0065"	.00075"-.0015"
Street Nitrous or Supercharged	.0080"	.0015"-.0025"
Flat Track Gasoline	.0080"	.0010"-.0030"
Flat Track Alcohol	.0060"	.0010"-.0030"
Drag Gasoline	.0075"	.0010"-.0030"
Drag Alcohol	.0065"	.0010"-.0030"
Drag Supercharged or Nitrous Gas	.0095"	.0015"-.0030"
Drag Supercharged Alcohol	.0085"	.0010"-.0030"
Drag Supercharged Fuel	.0115"	.0020"-.0040"