



TWIN CAM

Unmatched  
PERFORMANCE  
& DURABILITY



Serving Harley-Davidson dealers and motorcycle shops since 1983

[www.jprecision.com](http://www.jprecision.com)









## MACHINING SERVICES FOR TWIN CAM Engines (1999-up)

January 2024 – 2024/2025

### HEAD: RESURFACING

		Dealer Price	Retail Price
234	RESURFACE 2 heads .005" or less	Call us	65.71
235	RESURFACE 2 heads .006" & up	Call us	78.57
242	ANGLE MACHINE 2 combustion chambers & resurface gasket faces	Call us	164.29

### HEAD: SPARK PLUGS

		Dealer Price	Retail Price
245	INSTALL 1 spark plug helicoil (helicoil included)	Call us	44.29
247	WELD & repair cracked spark plug hole (helicoil included) (2 heads)	Call us	197.14
250	MACHINE 2 heads dual plug	Call us	218.57
260	Remove broken exhaust bolt + install Helicoil	Call us	100.00

### CYLINDERS: BORING & HONING

		Dealer Price	Retail Price
303	BORE, HONE & fit 2 cylinders with stress plates	Call us	155.71
304	SAME AS ABOVE but for 4" to 4 1/8" bore	Call us	180.00
305	SAME AS ABOVE but for 4 1/8" bore & up	Call us	202.86
307	HONE & FIT only, 2 cylinders with stress plates	Call us	90.00
308	BORE, HONE & fit 2 cylinders from 3.875" to 3.927" with stress plates	Call us	202.86
309	BORE, HONE & fit 2 cylinders from 1450cc. to 1550cc. with stress plates	Call us	262.86
310	BORE, HONE & fit 2 cylinders from 1450cc to 107" with stress plates	Call us	304.29

### CYLINDERS: ESTHETIC

		Dealer Price	Retail Price
125	HILITE cooling fins on 2 cylinders	Call us	71.43
127	HILITE cooling fins & Paint on 2 cylinders	Call us	142.86

### CYLINDERS: MISCELLANEOUS

		Dealer Price	Retail Price
318	REFACE 2 cylinders - lower decks	Call us	60.00
319	REFACE 2 cylinders - upper decks	Call us	74.29
320	REFACE 2 S&S cylinders - upper decks w/2 steps	Call us	101.43



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### CRANK

		Dealer Price	Retail Price
404	CHECK alignment only & tig weld crank pin	Call us	114.29
405	DISASSEMBLE, inspect, reassemble & align crank & tig weld crank pin (for misaligned crank)	Call us	272.86
406	DISASSEMBLE, inspect, reassemble & align crank & tig weld crank pin (for misaligned crank) + Hone & Fit for new Rod Bearings (Sold separately)	Call us	392.86
407	SAME AS PREVIOUS + Dynamic balancing	Call us	577.14
408	SLEEVE damaged pinion shaft end (bushing section) (on already disassembled flywheels)	Call us	184.29
409	COMPLETE CRANK REBUILD (includes new H-Beam rods, crank pin & bearing)	Call us	642.86
410	"B" to "A" PINION SHAFT CONVERSION (on already disassembled flywheels)	Call us	197.14
411	STRAIGHTEN TC 96" sprocket shaft	Call us	45.71
412	Rebuild S/E ROD	Call us	144.29
413	Small end conn. rod	Call us	151.43
414	Replace and ream 2 W Pin Bush	Call us	65.71
422	Grind solder of the crankpin	Call us	37.14

### ENGINE CASES

		Dealer Price	Retail Price
505	BORE CASE for big bore cylinders (case must be assembled & torqued, unnecessary to remove cylinder studs)	Call us	234.29
506	TIMKEN RACE CONVERSION (Timken bearing not included)	Call us	177.14
508	SLEEVE one damaged cam bearing receiver hole	Call us	217.14
509	Crank case machining for cam clearance	Call us	84.29
532	Install Timken cups	Call us	44.29
517	Bore, Hone & fit 4 lifter holes	Call us	117.14
517-1	Bore, Hone & fit 1 lifter hole	Call us	74.29

### MISCELLANEOUS

		Dealer Price	Retail Price
606	REFACE & polish 4 rocker arms	Call us	91.43
608	TC CAM Support plate bushing replacement (labor only)	Call us	54.29