

TWIN CAM

Unmatched PERFORMANCE DURABILITY



Serving Harley-Davidson dealers and motorcycle shops since 1983



TWIN CAM Engines (1999 – up)

		PORTING	Dealer Price	Retail Price
		Piston to valve clearance must be checked with all performance head work. Cast piston usually require more clearance. Don't forget to send them to us with the heads.		
655	STAGE II	(For stock casting from 88" to 107") Upgraded intake and exhaust port design and	Call us	799.00
		CNC ported. Includes: valve guides, valve seals, High Performance BEEHIVE Spring kit,		
		1.900" intake valves and 1.585" exhaust valves		
656	STAGE IIB	(For stock & aftermarket castings) Same as Stage II, except for the intake port which is	Call us	1150.00
		redesigned and raised by welding to increase velocity; allowing for a crisper throttle		
		response. Includes: valve guides, valve seals, High Performance BEEHIVE Spring kit,		
		1.900" intake valves and 1.585" exhaust valves		
657	STAGE IIIB	(For stock castings): Same as Stage IIB. Includes: valve guides, valve seals,	Call us	1250.00
		High Performance BEEHIVE Spring kit, 1.940" intake valves and 1.585" exhaust valves,		
		intake valve seats.		
658	STAGE IVB	(For stock castings) Ultimate modification for your factory casting. Includes: valve guides,	Call us	1275.00
		valve seals, High Performance BEEHIVE Spring kit, 1.990" intake valves and 1.585"		
		exhaust valves, intake valve seats.		
654	STAGE V	(For stock castings) We install 2.150" intake, 1.650" exhaust valves and modify the ports	Call us	1495.00
		accordingly. Intake valve angle is modified and rocker arm geometry is corrected.		
653	STAGE V	(For 120R, JIMS 131) We install 2.150" intake, 1.650" exhaust valves and modify the	Call us	1275.00
		ports accordingly. Intake valve angle is modified and rocker arm geometry is corrected.		
652		Spring kit upgrades for Twin Cam. Maximum recommended lift .675", Titanium Retainers		137.50
		HEAD WORK OPTIONS	Dealer Price	Retail Price
650	Intake manifo	old porting (Carburator)	Call us	45.94
651	Screaming Ea	agle 50mm injection manifold porting (must be disassembled) except for the throttle plate	Call us	65.63
649	Intake manifo	old porting (Hurricane)	Call us	91.88
254	MACHINE 2	nead for compression release valves (machining only)	Call us	78.75

CYLI	NDED	HEA	ne

MACHINE 2 heads for electric compression release valves (machining only)

PISTON valve pockets machined for valve clearance (2 pistons)

Check and adjust cc on Twin Cam / EVO / Sportster

Dealer Price Retail Price

124.69

98.44

59.06

56.25

Call us

Call us

Call us

Call us

OVERALL REBUILD 2 HEADS

Includes

255

257

607

613

- -4 new AV&V valve guides and valve seals
- Head gasket faces resurfaced
- -Valves centerless grinded
- -Set-up spring pressure & reassembly
- -Soda blast combustion chambers & ports
- -CNC seat job

MACHINE 2 heads for compression release valves (includes 1 set of AV&V compression release valves) JCR10B-2

-Ultrasonic washed

200	Overall rebuild 2 heads	Call us	373.75
201	Overall rebuild 2 heads + High Flow seat job	Call us	398.75
202	Overall rebuild 2 heads without guides replacement	Call us	323.75

ESTHETIC

103	DISASSEMBLE & degrease 2 heads	Call us	37.50
105	SODA BLAST carbon out of 2 heads	Call us	36.88



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	CYLINDER HEADS (con't)	Dealer Price	Retail Price
EST	HETIC (con't)		
114	HILITE fins (2 heads)	Call us	50.00
115	WELD & rebuild cooling fins	Call us	31.25 & u
116	ULTRASONIC cleaning of 2 heads (ready for assembly)	Call us	43,75
\/ \ \	VE SEATS		
204	CNC 3 ANGLE seat job (2 heads)	Call us	65.63
205	CNC HP seat job (2 heads)	Call us	91.88
210	MACHINE & install 1 valve seat (valve seat included)	Call us	87.50
211	MACHINE & install 4 valve seats (valve seats included)	Call us	196.88
213	WELD & repair valve seat receiver hole (valve seat included)	Call us	87.50 & up
	·	oun do	07.00 a a
	VE GUIDES		
218	REMOVE, install & fit 1 valve guide (labor only)	Call us	25.00
219	REMOVE, install & fit 4 valve guides (labor only)	Call us	52.50
223	WELD & REPAIR valve guide receiver hole to std (includes 1 new valve guide & valve seat)	Call us	150.00 & u
224	BORE CLEAN damaged valve guide receiver hole	Call us	78.75
VAL	VES		
231	CLEAN carbon out of 1 valve	Call us	5.00
228	RECONDITION 1 valve	Call us	8.75
229	RECONDITION 4 valves	Call us	26.25
227	CLEAN & RECONDITION 4 valves	Call us	39.38
RES	URFACING		
234	RESURFACE 2 heads .005" or less	Call us	55.13
235	RESURFACE 2 heads .006" & up	Call us	65.63
242	ANGLE MACHINE 2 combustion chambers & resurface gasket faces	Call us	131.25
SPA	RK PLUGS		
245	INSTALL 1 spark plug helicoil	Call us	36.25
247	WELD & repair cracked spark plug hole (helicoil included) (2 heads)	Call us	160.00
250	MACHINE 2 heads dual plug	Call us	184.75
	CYLINDERS	Dealer Price	Retail Pric
EST	HETIC		
125	HILITE cooling fins on 2 cylinders	Call us	60.00
127	HILITE cooling fins & Paint on 2 cylinders	Call us	156.25
DO-	NING & LIGNING		
	RING & HONING	2 "	404.05
303	BORE, HONE & fit 2 cylinders with stress plates	Call us	131,25
304	SAME AS ABOVE but for 4" to 4 1/8" bore	Call us	150.94
305	SAME AS ABOVE but for 4 1/8" bore & up	Call us	170.63
307	HONE & FIT only, 2 cylinders with stress plates	Call us	76.13



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	CYLINDERS (con't)	Dealer Price	Retail Price
308	BORE, HONE & fit 2 cylinders from 3.875" to 3.927" with stress plates	Call us	170.63
309	BORE, HONE & fit 2 cylinders from 1450cc. to 1550cc. with stress plates	Call us	223.13
310	BORE, HONE & fit 2 cylinders from 1450cc to 107" with stress plates	Call us	255.94
MISC	ELLANEOUS		
318	REFACE 2 cylinders - lower decks	Call us	49.88
319	REFACE 2 cylinders - upper decks	Call us	63.00
320	REFACE 2 S&S cylinders - upper decks w/2 steps	Call us	85.31
	CRANKS	Dealer Price	Retail Price
404	CHECK alignment only & tig weld crank pin	Call us	95.63
405	DISASSEMBLE, inspect, reassemble & align crank & tig weld crank pin (for misaligned crank)	Call us	229.50
406	DISASSEMBLE, inspect, reassemble & align crank & tig weld crank pin (for misaligned crank)	Call us	267.75
	+ Hone & Fit for new Rod Bearings (Sold separately)		
407	SAME AS PREVIOUS + Dynamic balancing	Call us	369.75
408	SLEEVE damaged pinion shaft end (bushing section) (on already disassembled flywheels)	Call us	162.50
409	COMPLETE CRANK REBUILD (includes new H-Beam rods, crank pin & bearing)	Call us	809.63
410	"B" to ''A" PINION SHAFT CONVERSION (on already disassembled flywheels)	Call us	161.25
411	STRAIGHTEN TC 96" sprocket shaft	Call us	31.88
412	Rebuild S/E ROD	Call us	183.75
413	Small end conn. rod	Call us	106.25
414	Replace and ream 2 W Pin Bush	Call us	35.70
422	Grind solder of the crankpin	Call us	31.25
	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	196.88
506	TIMKEN RACE CONVERSION (Timken bearing not included)	Call us	328.13
508	SLEEVE one damaged cam bearing receiver hole	Call us	196.88
509	Crank case machining for cam clearance	Call us	72.19
532	Install Timken cups	Call us	36.75
517	Bore, Hone & fit 4 lifter holes	Call us	98.44
517-1	Bore, Hone & fit 1 lifter hole	Call us	63.00
	MISCELLANEOUS	Dealer Price	Retail Price
606	REFACE & polish 4 rocker arms	Call us	63.00
608	TC CAM Support plate bushing replacement (labor only)	Call us	45.94