

## **SHOVELHEAD**

# Unmatched PERFORMANCE DURABILITY



Serving Harley-Davidson dealers and motorcycle shops since 1983

www.jprecislan.com



### **WORK SHEET**

Shipping Address 2191, De la Province, Longueuil, Qc, Canada, J4G 1R2

Phone: 450-647-6650 Fax: 450-647-1650

Dealer/Shop name	Date
Person to contact	Tel
HEAD MODEL	
M Twin Cam M EVO Sportster 883 to 1200 conversion M Milwaukee-Eight  M EVO Big Twin M EVO Sportster 1200 M Other (specifiy)	
ENGINE SIZE	
	Constant
Engine size Bore	Stroke
DESIRED	
M Stage II M Stage IIB M Stages IIIB M Stages IVB Stages IV+	M Stages V
M Other (specify):	
NOTE For all Stage IIB, IIIB and IVB, you must send us the two intake manifold flange to engrave them Because you need to interchange the flanges to match the raised ports.  Not required for 2007 and up manifold with identical flanges.	with a new in and "K.
PISTON MODEL With crankworks, we need the Piston weight in grams (inc. pin, clips and	rings)
M Flat top M Domed M Reverse Dome Specify	
DESIRED COMPRESSION	
Ex.: 9.8 to I cc's Specify	
CAMSHAFT USED	
Model Lift T[	OC lift
OUTSIDE ESTHETIC	
M The heads will be shipped back as received M Other (specifiy)	
HEAD WORK OPTIONS	
- J Precision Titanium logo installed on Stage IIB and UP (no extra charge)	M Yes M No
- Compression release valves installation: Machine heads for manual model & s heads for electric model (machining of	upply Machine M Yes M No
- Intake manifold supplied to be ported	M Yes M No
- Pistons supplied to be machined for valve clearance	M Yes M No
2	
3	



#### **MACHINING SERVICES FOR**

## **SHOVELHEAD Engines (1999-up)**

January 2024 2024/2025

		HEAD: PORTING	<b>Dealer</b>	Retail
		HEAD: PURTING	<b>P</b> rice	Price
667	STAGEIIB	(Stock casting & aftermarket heads) The Ultimate upgrade for your Shovelheads. We redesigned and	Call us	1150.00
		raised the intake port by welding to increase velocity, allowing for a crisperthrottle		
		response and more power. Not Included: Valve guides, valve seals, valve spring kit, valves.		

	. WORK OPTIONS	Dealer	Retail
	HEAD: WORK OPTIONS	Price	Price
650	Intake manifold porting (Carburator)	Call us	59.72
256	MACHINE (2) heads for compression release valves (includes 1 set of AV&V compression release valves)	Call us	235.72
607	PISTON valve pockets machined for valve clearance (2 pistons)	Call us	77.00
613	Check and adjust cc on Twin Cam / EVO / Sportster	Call us	73.85

## CYLINDER HEADS Dealer Retail Price Price

#### OVERALL REBUILD (2) HEADS

Includes -(4) new AV&V valve guides and valve seals

Not Included -(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
- -Ultrasonic washed

203	Overall rebuild (2) heads	Call us	411.72
222	Overall rebuild (2) heads + Glass bead	Call us	492.28

		. ECTUETIC	Dealer	Retail
		HEAD: ESTHETIC	Price	Price
103	DISASSEMBLE & degrease (2) heads		Call us	48.72
105	SODA BLAST carbon out of (2) heads		Call us	48.72
107	GLASS BEAD (2) previously painted heads		Call us	151.14
108	GLASS BEAD (2) unpainted heads		Call us	110.00
109	SAND BLAST, (2) painted heads (ready to paint)		Call us	70.72
110	SAND BLAST & paint (2) heads		Call us	176.00
111	SAND BLAST, paint & highlight (2) heads		Call us	213.72
114	HILITE fins (2) heads		Call us	72.28
115	WELD & rebuild cooling fins		Call us	45.00 & up
116	ULTRASONIC cleaning of (2) heads (ready for assembly)		Call us	56.57
113	GLASS READ (2) unnainted heads outside only		Callus	94.53

	· VALVE CEATE		Dealer	Retail
		<b>HEAD: VALVE SEATS</b>	Price	Price
204	CNC 3 ANGLE seat job (2 heads)		Call us	121.00
205	CNC HP seat job (2 heads)		Call us	143.50
210	MACHINE & install (1) valve seat (valve seat not included)		Call us	108.43
211	MACHINE & install (4) valve seats (valve seats not included)		Call us	271.85
213	WELD & repair valve seat receiver hole (valve seat not included)		Call us	115 & up
239	REMOVE & INSTALL (4) valve seats (valve seat not included)		Call us	271.85

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# MACHINING SERVICES FOR SHOVELHEAD Engines (1999-up)

	HEAD: VALVE GUIDES	Dealer Price	Retail Price
218	REMOVE, install & fit (1) valve guide (labor only)	Call us	36.15
219	REMOVE, install & fit (4) valve guides (labor only)	Call us	72.28
223	WELD & REPAIR valve guide receiver hole to std (includes 1 new valve guide & valve seat)	Call us	195.00 & up
224	BORE CLEAN damaged valve guide receiver hole	Call us	103.72
226	CUT valve guide seal section	Call us	34.57

		·VALVEC	Dealer	Retail
		HEAD: VALVES	Price	Price
231	CLEAN carbon out of (1) valve		Call us	12.57
228	RECONDITION (1) valve		Call us	12.57
229	RECONDITION (4) valves		Call us	38.00
227	CLEAN & RECONDITION (4) valves		Call us	75.50

		HEAD: RESURFACING	Dealer Price	Retail Price
236	RESURFACE (2) heads + bolt inserts machined deeper		Call us	102.15
240	RESURFACE & counter bore (2 heads)		Call us	117.85

	- NAICCELL ANIFOLIC	Dealer	Retail
	HEAD: MISCELLANEOUS	Price	Price
245	INSTALL (1) spark plug helicoil	Call us	48.72
248	WELD & repair (1) spark plug hole (helicoil included)	Call us	136.00 & up
250	MACHINE (2) heads dual plug	Call us	240.43
253	DUAL PLUG modification & welding for long plug (2 heads)	Call us	285.00 & up
259	CONVERT early short plug to long plug & helicoil (2 heads)	Call us	282.85
265	WELD & REPAIR (1) intake flange lip	Call us	56.00 & up
266	WELD & REPAIR exhaust bolt hole + helicoil	Call us	75.00 & up
267	INSTALL (1) Helicoil for rocker box stud	Call us	39.28
268	INSTALL (1) Helicoil on exhaust flange	Call us	39.28
269	WELD & REPAIR 1 exhaust flange	Call us	145.00 & up
264	MACHINE spring seat faces on early Shovels to install late style lower collars (2 heads)	Call us	49.50
262	WELD and REPAIR damaged combustion chamber	Call us	45.00 7 up
261	MODIFY early lower collars for valve seals installation	Call us	36.15



# MACHINING SERVICES FOR SHOVELHEAD Engines (1999-up)

	CYLINDERS	S: BORING & HONING	Dealer Price	Retail Price
	•	ase gaskets still adhered (late H-D gaskets are very difficult to chining the lower deck. This operation also trues the cylinder		
307	HONE & FIT only, (2) cylinders with stress plates		Call us	103.72
312	BORE, HONE & fit (2) cylinders with stress plates		Call us	171.28
313	SAME for 3 5/8" bore		Call us	187.00
		CYLINDERS: <b>ESTHETIC</b>	Dealer	Retail
		CYLINDERS: ESTHETIC	Dealer Price	Retail Price
	SAND BLAST (2) cylinders (ready to paint) SAND BLAST & PAINT (2) cylinders black (paint included)	CYLINDERS: ESTHETIC		
122 123	· , , · , · , · ,		Price Call us Call us	72.72 176.00
	· , , · , · , · ,	CYLINDERS: ESTHETIC  CYLINDERS: MISCELLANEOUS	Price Call us	<b>Price</b> 72.72
	· , , · , · , · ,		Price Call us Call us Dealer	72.72 176.00 Retail



# MACHINING SERVICES FOR SHOVELHEAD Engines (1999-up)

	CRANKS		Dealer Price	Retail Price
415	RECONDITION, assemble & true 1 crank & connecting rods (complete job, labor only)		Call us	580.00
	Rod races replacement	add 31.00		
416	SAME as previous + Dynamic balancing		Call us	777.87
418	RECONDITION, glass bead & fit (2) connecting rods		Call us	158.72
426	MACHINE (1) S&S flywheel for thrust washer		Call us	70.72
420	REPLACE Rod races (Labor only)		Call us	70.72

	ENCINE CACEC	Dealer Price	Retail Price
	ENGINE CASES		
510	BORE case for Big bore cylinders (case must be assembled & torque, unnecessary to remove cylinder studs)	Call us	253.00
512	RESURFACE engine case deck (cylinder studs must be removed)	Call us	136.72
514	REMOVE cylinder studs (helicoils extra if required)	Call us	47.15
513	WELD & repair left case primary O ring lip (studs must be removed)	Call us	212.15
516	WELD & repair timing plug hole (helicoil included)	Call us	117.85
515	HELICOIL timing plug hole	Call us	58.15
518	OVERSIZE bore, breather gear hole .030"	Call us	92.72
519	SLEEVE breather gear hole (welding extra if required)	Call us	297.00
521	REMOVE & reinstall new case pinion bearing race + HONE & FIT (race not included)	Call us	168.15
523	HONE & FIT pinion bearing race	Call us	91.15
524	SLEEVE cam bearing hole	Call us	251.43
526	MACHINE left case for oversize bearing race insert	Call us	737.00
527	MACHINE engine case supports	Call us	135.15
529	CONVERT SHOVEL case to EVO style (includes 8 long helicoils)	Call us	427.43
530	Replace & Fit cam bushing (labor only)	Call us	64.43
531	Replace & Fit pinion bushing (labor only)	Call us	48.72
532	Replace TIMKEN cups + "C" clip	Call us	48.72

	. EC	Dealer Dealer	Retail
	ENGINE CASES : ES	IHEIIC Price	Price
130	GLASS BEAD unpainted engine case (oil galleries masked)	Call us	103.72
131	GLASS BEAD painted engine case (oil galleries masked)	Call us	141.43
133	SAND BLAST engine case ready to paint (oil galleries masked)	Call us	77.00
134	MASK & PAINT engine case	Call us	141.43
135	OIL GALLERY spot weld removal & installation of 1/8 NPT plug (allows better oil gallery clean up)	Call us	66.00

	MISCELLANEOUS	Dealer Price	Retail Price
606	REFACE & polish (4) rocker arms	Call us	100.90
609	REBUSH & align hone (4) rocker arms (labor only)	Call us	108.43
610	HONE & fit (4) oversize tappets	Call us	103.72
611	REPLACE, HONE & FIT transmission main shaft bushing (labor only)	Call us	106.07