



PANHEAD

Unmatched
PERFORMANCE
& DURABILITY



Serving Harley-Davidson dealers and motorcycle shops since 1983

www.jprecision.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 (specify) _____

ENGINE SIZE

Engine size _____ Bore _____ Stroke _____

DESIRED

M Stage II M Stage IIB M Stages IIB M Stages IVB Stages IV+ M Stages V
M Other (specify): _____

NOTE For all Stage IIB, IIB and IVB, you must send us the two intake manifold flange to engrave them with a new "F" and "R".
Because you need to interchange the flanges to match the raised ports.
Not required for 2007 and up manifold with identical flanges.

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 1 _____ cc's Specify _____

CAMSHAFT USED

Model _____ Lift _____ TDC lift _____

OUTSIDE ESTHETIC

M The heads will be shipped back as received M Other (specify) _____

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 & supply Machine.....	M Yes	M No
heads for electric model (machining only).....	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

Extra(s) to repair (Ex.: Fix damage threads, weld crack, etc)

1 _____
2 _____
3 _____

WE MAKE YOU GO FASTER!



MACHINING SERVICES FOR PANHEAD Engines (1999-up)

January 2024 – 2024/2025

HEAD: WORK OPTIONS

		Dealer Price	Retail Price
650	Intake manifold porting (Carburator)	Call us	59.72
254	MACHINE (2) heads for compression release valves (machining only)	Call us	104.00
255	MACHINE (2) heads for compression release valves (includes 1 set of AV&V compression release valves)	Call us	182.28
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 Price
Retail Price

OVERALL REBUILD (2) HEADS

Includes

- Head gasket faces resurfaced
- Valves centerless grinded
- Set-up spring pressure & reassembly
- Soda blast combustion chambers & ports
- CNC seat job
- Ultrasonic washed

Not included - (4) new AV&V valve guides and valve seals

216	Overall rebuild (2) heads	Call us	468.00
216-GB	Overall rebuild (2) heads + Glass bead	Call us	539.43

HEAD: ESTHETIC

Dealer Price
Retail 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
115	WELD & rebuild cooling fins	Call us	45.00 & up
116	ULTRASONIC cleaning of (2) heads (ready for assembly)	Call us	56.57

HEAD: VALVE SEATS

Dealer Price
Retail Price

204	CNC 3 ANGLE seat job (2 heads)	Call us	121.00
214	MACHINE & install (1) valve seat (valve seat not included)	Call us	108.43
215	MACHINE & install (4) valve seats (valve seats not included) & blend with chambers (seat job not included)	Call us	325.29

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
224	BORE CLEAN damaged valve guide receiver hole	Call us	103.72
223	WELD & REPAIR valve guide receiver hole to std (includes 1 new valve guide & valve seat)	Call us	191.72



MACHINING SERVICES FOR PANHEAD Engines (1999-up)

HEAD: VALVES		Dealer Price	Retail 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

HEAD: MISCELLANEOUS		Dealer Price	Retail Price
245	INSTALL (1) spark plug helicoil	Call us	48.72
247	WELD & repair cracked spark plug hole (helicoil included) (2 heads)	Call us	216.85
250	MACHINE (2) heads dual plug	Call us	240.43
262	WELD & REPAIR damaged combustion chamber	Call us	40.85
265	WELD & REPAIR (1) intake flange lip	Call us	56.57
267	INSTALL (1) Helicoil for rocker box stud	Call us	39.28
270	WELD new exhaust flange (flange included)	Call us	149.28

CYLINDERS: BORING & HONING		Dealer Price	Retail Price
312	BORE, HONE & fit (2) cylinders with stress plates	Call us	171.28

CYLINDERS: ESTHETIC		Dealer Price	Retail Price
122	SAND BLAST (2) cylinders (ready to paint)	Call us	70.72
123	SAND BLAST & PAINT (2) cylinders black (paint included)	Call us	176.00

CYLINDERS: MISCELLANEOUS		Dealer Price	Retail Price
318	REFACE (2) cylinders - lower decks	Call us	70.72
319	REFACE (2) cylinder upper decks & flange	Call us	86.43



MACHINING SERVICES FOR PANHEAD Engines (1999-up)

CRANKS

		Dealer Price	Retail Price
415	RECONDITION, assemble & true 1 crank & connecting rods (complete job, labor only) Rod races replacement	Call us	580.00
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

ENGINE CASES

		Dealer Price	Retail Price
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
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
137	Flywheels CLEARANCING for bobweight install.	Call us	56.57
513	Weld & repair left case primary o'ring lip	Call us	212.15

ENGINE CASES : ESTHETIC

		Dealer Price	Retail 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
136	Ultrasonic cleaning engine cases	Call us	73.85

MISCELLANEOUS

		Dealer Price	Retail Price
612	HONE & FIT Rocker Holder	Call us	31.43