



PANHEAD

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PERFORMANCE
& DURABILITY



Serving Harley-Davidson dealers and motorcycle shops since 1983

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MACHINING SERVICES FOR
PANHEAD Engines (1999-up)

January 2026 – 2026/2027

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	482.50
216-GB	Overall rebuild (2) heads + Glass bead	556.00
Add	Parts: 4x valve guides + 4x valve seals	90.44

HEAD: ESTHETIC

Dealer Price Retail Price

103	DISASSEMBLE & degrease (2) heads	50.50
105	SODA BLAST carbon out of (2) heads	50.50
107	GLASS BEAD (2) previously painted heads	156.00
108	GLASS BEAD (2) unpainted heads	113.50
109	SAND BLAST, (2) painted heads (ready to paint)	73.00
115	WELD & rebuild cooling fins	45.00 & up
116	ULTRASONIC cleaning of (2) heads (ready for assembly)	58.50

HEAD: VALVE SEATS

Dealer Price Retail Price

204	CNC 3 ANGLE seat job (2 heads)	125.00
214	MACHINE & install (1) valve seat (valve seat not included)	112.00
Add	Parts: 1x valve seat	14.90
215	MACHINE & install (4) valve seats (valve seats not included) & blend with chambers (seat job not included)	402.00
Add	Parts: 4x valve seats	59.60

HEAD: VALVE GUIDES

Dealer Price Retail Price

218	REMOVE, install & fit (1) valve guide (labor only)	37.50
Add	Parts: 1x valve guide	20.12
219	REMOVE, install & fit (4) valve guides (labor only)	74.50
Add	Parts: 4x valve guides	80.48
224	BORE CLEAN DAMAGED VALVE GUIDE RECEIVER HOLE	107.00
223	WELD & REPAIR VALVE GUIDE RECEIVER HOLE TO STD	197.50



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HEAD: VALVES

		Dealer Price	Retail Price
231	CLEAN carbon out of (1) valve		13.00
228	RECONDITION (1) valve		13.00
229	RECONDITION (4) valves		39.50
227	CLEAN & RECONDITION (4) valves		78.00

HEAD: RESURFACING

		Dealer Price	Retail Price
236	RESURFACE (2) heads + bolt inserts machined deeper		105.50
240	RESURFACE & counter bore (2 heads)		121.50

HEAD: MISCELLANEOUS

		Dealer Price	Retail Price
245	INSTALL (1) spark plug helicoil		50.50
247	WELD & repair cracked spark plug hole (helicoil included) (2 heads)		223.50
250	MACHINE (2) heads dual plug		248.00
262	WELD & REPAIR damaged combustion chamber		42.50
265	WELD & REPAIR (1) intake flange lip		58.50
267	INSTALL (1) Helicoil for rocker box stud		40.50
270	WELD new exhaust flange (flange not included)		154.00
Add	Parts: Flange P32009		36.00

CYLINDERS: BORING & HONING

		Dealer Price	Retail Price
312	BORE, HONE & fit (2) cylinders with stress plates		176.50

CYLINDERS: ESTHETIC

		Dealer Price	Retail Price
122	SAND BLAST (2) cylinders (ready to paint)		73.00
123	SAND BLAST & PAINT (2) cylinders black (paint included)		181.50

CYLINDERS: MISCELLANEOUS

		Dealer Price	Retail Price
318	REFACE (2) cylinders - lower decks		73.00
319	REFACE (2) cylinder upper decks & flange		89.50



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CRANKS

		Dealer Price	Retail Price
415	OVERALL REBUILD (1) CRANK, ALIGN & REASSEMBLE(LABOR ONLY)		515.00
Add	Parts cost will be confirmed after crank inspection.		
416	SAME as previous + Dynamic balancing		731.50
418	RECONDITION, glass bead & fit 2 connecting rods		163.50
420	REPLACE Rod races (labor only)		73.00
Add	Parts cost will be confirmed after crank inspection.		
426	MACHINE 1 S&S flywheel for thrust washer		73.00
414	REPLACE AND REAM (2) W PIN BUSH (labor only)		74.50
Add	Parts cost will be confirmed after crank inspection.		
427	REAR ROD CLEARANCING		
424	REPLACE THRUST WASHERS (labor only)		112.50
Add	Parts cost will be confirmed after crank inspection.		
400	REMOVE STEEL PLUG DURING DISASSEMBLY FOR S&S CRANK		41.50

ENGINE CASES

		Dealer Price	Retail Price
512	RESURFACE engine case deck (cylinder studs must be removed)		141.00
514	REMOVE cylinder studs (helicoils extra if required)		49.00
516	WELD & repair timing plug hole (helicoil included)		121.50
515	HELICOIL timing plug hole		60.00
518	OVERSIZE bore, breather gear hole .030"		96.00
519	SLEEVE breather gear hole (welding extra if required)		306.00
521	REMOVE & reinstall new case pinion bearing race + HONE & FIT (race not included)		173.50
523	HONE & FIT pinion bearing race		94.00
524	SLEEVE cam bearing hole		259.00
526	MACHINE left case for oversize bearing race insert		759.50
527	MACHINE engine case supports		139.50
137	Flywheels CLEARANCING for bobweight install.		58.50
513	Weld & repair left case primary o'ring lip		219.00

ENGINE CASES : ESTHETIC

		Dealer Price	Retail Price
130	GLASS BEAD unpainted engine case (oil galleries masked)		107.00
131	GLASS BEAD painted engine case (oil galleries masked)		146.00
133	SAND BLAST engine case ready to paint (oil galleries masked)		79.50
134	MASK & PAINT engine case		146.00
135	OIL GALLERY spot weld removal & installation of 1/8 NPT plug (allows better oil gallery clean up)		68.00
136	Ultrasonic cleaning engine cases		76.50

MISCELLANEOUS

		Dealer Price	Retail Price
612	HONE & FIT Rocker Holder		32.50

Prices may change without notice • Phone: 450-647-6650
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