

Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

Phone # (208)696-1250 <http://www.hammerperf.com>

Estimate

Date	Estimate #
5/3/2024	13036

Name / Address

Project

Item	Description	Qty	Rate	Total
	1988-1990 XL883 120+hp 1275 Conversion, sans air cleaner and exhaust			
XL/Buell 1275 Ki...				
3.596 Silver 86-...	Silver 3.596 Cylinder, 86-03	2	153.155	306.31T
HP 3600 XL30D...	HP 3600 XL30D5FS 3.600 30 Degree .500 Dome Piston, Full Skirt, Thermal Barrier Coating	2	199.975	399.95T
C9907-3625	Cometic 1986-90 Top End Gasket Kit, .030 3.625 Head/.020 Base	1	113.74	113.74T
Cylinder Honing	Hone cylinder (each)	2	45.00	90.00
	XL/Buell 1275 kit, Silver, 86-03			910.00
	The above engine kit has silver small fin cylinders included (correct fin style for 86-03 bikes). The cylinders are also available in straight black (same price) or black with highlighted fins (\$50 additional). The above also includes the optional upgrade to a Cometic EST full top end gasket set, which is recommended. Without this upgrade, the kit comes with head and base gaskets only and sells for \$850			
Ring Gap and Pi...	Gap Rings and Assemble Pistons and Rings into Cylinders (pair)	1	50.00	50.00
	This is our optional preassembly service. We precision gap your rings using our high-end gapping machine which does a perfect job every time, and then we assemble the pistons and rings into the cylinders and ship them in sealed plastic bags, ready for installation. This service greatly simplifies installation and eliminates the need for any special tools on your end.			

Subtotal		
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BFH Head Servi...		1		
F0078	2.020 intake 7MM 4.400 SG	2	50.00	100.00T
F0077	1.630 Exhaust 7MM 4.440 SG	2	50.00	100.00T
VG6625	7 MM +.025 Intake Valve Guide	2	13.00	26.00T
VG6725	7 MM +.025 Exhaust Valve Guide	2	13.00	26.00T
V7MM-100	7MM Valve Guide Seal, for larger springs and lower collar, pack of 100	0.04	250.00	10.00T
Sledge Head Po...	7MM Sledge Head Porting	1	756.00	756.00T
Alter Valve Angles	Alter valve angles on XL heads	1	180.00	180.00T
Welding Intake ...	Weld Intake Port Floors (pair)	1	75.00	75.00
Hand Form Floors	Hand Form Intake Port Floors (pair)	1	125.00	125.00T
	BFH Head Porting Service 7mm			1,398.00
	As part of the BFH porting service, we set up the valves to work properly with the cams below, and we also size your chambers to work with the pistons in the above 1275 kit.			
7MM Spring Kit ...				
7256-16	Conical Valve Springs, 1.060x.660 top, 1.390x.990 bottom, 184lbs@1.850, 1.160 coil bind, set of 16	0.25	381.04	95.26T
E12028	7MM Titanium Retainer, 600 Lift	4	23.03	92.12T
K10090	7MM Locks Single Groove, each	8	6.22	49.76T
LSC6000-4	AV&V Seat Locator, 600 Lift Beehive Spring, pack of 4	1	17.00	17.00T
	Striker Performance 7MM Valve Spring Kit 600 Lift Single Groove Locks			254.14
	This conical spring pack represents the latest in high performance spring development. The valvetrain is stable to at least 8000rpm.			

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33-5125	S&S 600 Cam Set, 1986-90 XL	1	597.95	597.95T
HP45PG	Bronze Oil Pump Gear, Sportster/Buell	1	128.99	128.99T
Grindlock-9199	Pinion Gear Locking Tool, 1991-1999 XL, With Mounting Bolts	1	50.00	50.00T
	XL's use a steel oil pump drive gear that becomes failure prone at higher power levels, and when it fails, it's really ugly. This was an especially bad problem with Buells due to their higher power levels, and HD finally came out with this bronze drive gear in 2006 to solve the problem, but they never put it in XL's. It's a nice upgrade when hopping up an XL, especially if you're in the cam box for a cam swap anyway, and it's cheap insurance against a catastrophic failure. The locking tool listed is necessary for proper installation.			
2011-1501	Cometic Cam Cover gasket 86-90 XL, pkg of 5 (C9311F5)	0.2	89.75	17.95T
HPFLXL 10.300...	XL Intake Pushrod 10.300x.065x3/8 (-.053)	2	14.875	29.75T
HPFLXL 10.373...	XL Exhaust Pushrod 10.373x.065x3/8 (-.047)	2	14.875	29.75T
	Corrections to the valvetrain geometry that we'll make as a part of setting up your heads for the cams above, in combination with the thinner gaskets used to create a tighter squish clearance, create the need for somewhat shorter pushrods. These are high quality .065" wall heat treated chrome moly pushrods with Mae West ends. You cannot buy a finer pushrod.			

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0927-0028	S&S 1.725 ratio Roller Rocker Arms, set of 4	1	693.95	693.95T
90-4036	S& S Rocker Shaft Set	1	50.95	50.95T
	Roller rockers are normally used at this valve lift to reduce side loading on the valve. We also use high ratio rockers to get more lift without creating additional cam box clearance issues. Rocker shafts are recommended because they are a high wear item.			
SPX-9	Energy One Extra Plate Clutch Kit, 1984 - 1990 Sportster	1	209.95	209.95T
DS223743	Clutch Spring, 20% stronger, Barnett, 86-90 XL	1	32.50	32.50T
DS199221	Barnett Clutch Spring Compression Tool, 86-90 XL	1	63.04	63.04T
0934-4806	Cometic Primary Gasket, Seal, and O-Ring Kit, 86-90 XL (C9210)	1	53.95	53.95T
48-2X	Mikuni HSR48 Carburetor, Standard Finish	1	459.95	459.95T
34-0834	Mikuni to CV carb air box adapter	1	33.71	33.71T
HPXL4803C	Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads	1	190.28	190.28T
NMXL 4803C				
48 Billet Manifold...	48 Billet manifold Finishing	1	37.72	37.72
29539-99Yv	48 MM Manifold Seal Ring	1	17.00	17.00T
	Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads			245.00
2101-0027	Dyna 2000I PC Programmable Ignition Module	1	264.43	264.43T

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2102-0226	Single Fire Coil, Drag Specialties, 2.4 ohm	1	61.95	61.95T
2401-0869	12 MM Spark Plug Index Washers	1	24.95	24.95T
27794-08	10R12X Spark Plug	2	6.95	13.90T
80312	Red Line Assembly Lube, 4 OZ	1	13.95	13.95T
Shipping and Ha...	Shipping and Handling TBD		0.00	0.00T

This estimate represents a proposal by HAMMER PERFORMANCE. Please verify all items are correct before proceeding with your order.	Subtotal	\$5,688.71
	Sales Tax (0.0%)	\$0.00
	Total	\$5,688.71