

# Hammer Performance

355 McGhee Road  
Sandpoint, ID. 83864

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

# Estimate

Date	Estimate #
5/25/2016	4740

Name / Address

			Project
Description	Qty	Rate	Total
2004-2006 XL883 120+hp 1275 Conversion, sans air cleaner and exhaust			
Silver 3.596 Cylinder, 04 Later	2	143.95	287.90T
HP 3600 30D 3.600 30 Degree .500 Dome Piston	2	154.975	309.95T
Hone cylinder and fit piston (each)	2	45.00	90.00T
Cometic 04-06 Top End Gasket Kit .030 3.625 Head Gasket XL/Buell 1275 kit, Silver, 04- Later XL/ Buell	1	102.10	102.10T
The above engine kit has silver big fin cylinders included (correct fin style for 2004-up bikes). The cylinders are also available in black or black with highlighted fins, same price. 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 \$749.95			789.95
Gap Rings and Assemble into Pistons 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.	1	40.00	40.00T
2.020 intake 7MM 4.400 SG	2	50.00	100.00T
1.630 Exhaust 7MM 4.440 SG	2	50.00	100.00T
7 MM +.001 Intake Valve Guide	2	13.00	26.00T
7 MM +.001 Exhaust Valve Guide	2	13.00	26.00T
		<b>Subtotal</b>	
		<b>Sales Tax (0.0%)</b>	
		<b>Total</b>	

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7MM Valve Guide Seal, for larger springs and lower collar, pack of 100	0.04	250.00	10.00T
7MM Sledge Head Porting	1	756.00	756.00T
Alter valve angles on XL heads	1	180.00	180.00T
Weld Intake Port Floors (pair)	1	75.00	75.00T
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.			
Conical Valve Springs, 1.060x.660 top, 1.390x.990 bottom, 184lbs@1.850, 1.160 coil bind, set of 16	0.25	302.00	75.50T
7MM Titanium Retainer, 600 Lift	4	17.875	71.50T
7MM Locks Single Groove (2 each)	4	4.25	17.00T
AV&V Seat Locator, 600 Lift Beehive Spring	4	4.25	17.00T
Striker Performance 7MM Valve Spring Kit 600 Lift Single Groove Locks			181.00
This conical spring pack represents the latest in high performance spring development. The valvetrain is stable to at least 8000rpm.			
Cut Angled Squish Band (each)	1	0.00	0.00T
XL 600 Lift Crush Hammer Performance Cam Set, 00-Later This advanced cam set has a special lobe design to minimize valvetrain noise while still producing impressive power gains.	1	325.00	325.00T
Bronze Oil Pump Gear, Sportster/Buell	1	98.00	98.00T
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Pinion Gear Locking Tool, 2000- Later XL, With Mounting Bolts 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.	1	50.00	50.00T
Cyco sportster cam cover gasket This high quality gasket is rubber-coated steel construction	1	5.50	5.50T
04/Buell XB Intake Pushrod 10.676x.065x3/8 (-.050)	2	14.875	29.75T
04/Buell XB Exhaust Pushrod 10.730x.065x3/8 (-.050) 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.	2	14.875	29.75T
S&S 1.725 ratio Roller Rocker Arms, set of 4	1	534.95	534.95T
Rocker Shaft Set	1	33.95	33.95T
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Roller rockers are normally used at this valve lift to reduce side loading on the valve We also use high ratio rocker arms to get more lift without causing additional cam box clearance issues. Rocker shafts are recommended because they are a high wear item.			
Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring	1	145.95	145.95T
Clutch Compression Tool, Motion Pro, 90-97 Big Twin and 91+ XL This is the complete clutch upgrade package, which not only upgrades the 883's weak clutch spring to handle the conversion, but also replaces the entire clutch pack and eliminates the embedded compensator plate that's so prone to failure.		70.00	70.00T
Cyco 2004-up sportster primary gasket This is a high quality rubber-coated steel primary gasket	1	12.00	12.00T
Mikuni 48mm Carburetor, Standard Finish	1	459.95	459.95T
Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads, With MAP Sensor	1	144.78	144.78T
48 Billet manifold Finishing	1	37.72	37.72T
48 MM Manifold Seal Ring	1	12.50	12.50T
Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads, With MAP Sensor			195.00
Mikuni to CV carb air box adapter	1	21.95	21.95T
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Twin Tec Adjustable Ignition Module, 04-06 Sportster/Twin cam single 12 pin	1	331.00	331.00T
12 MM Spark Plug Index Washers	1	17.99	17.99T
IXU24 Denso Iridium Spark Plug, Cold	2	10.95	21.90T
Red Line Assembly Lube, 4 OZ	1	9.95	9.95T
Box 1, engine kit and parts, Shipping and Handling with insurance		0.00	0.00T
Box 2, heads, Shipping and Handling with insurance We'll add the actual ship charges above based on your location		0.00	0.00T
		<b>Subtotal</b>	\$4,801.54
		<b>Sales Tax (0.0%)</b>	\$0.00
		<b>Total</b>	\$4,801.54