

# Hammer Performance

355 McGhee Road  
Sandpoint, ID. 83864

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

# Estimate

Date	Estimate #
2/26/2017	5725

Name / Address

Project

Item	Description	Qty	Rate	Total
	2004-2006 XL883 100+hp 1275 Conversion, sans air cleaner and exhaust			
XL/Buell 1275 Ki...				
3.596 Silver 04 ...	Silver 3.596 Cylinder, 04 Later	2	203.155	406.31T
HP 3600 30DD6...	HP 3600 30DD61FS 3.600 30 Degree 10.5-1 Piston With Reverse Dome, 61 CC Chamber, Full Skirt, Thermal Barrier Coating	2	199.975	399.95T
Cylinder Honing	Hone cylinder (each)	2	45.00	90.00
C10095-3625	Cometic 04-06 Top End Gasket Kit .030 3.625 Head Gasket	1	113.74	113.74T
	XL/Buell 1275 kit, Silver, 04- Later XL/ Buell The above engine kit has silver big fin cylinders included (correct fin style for 2004-up bikes). The cylinders are also available in 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 \$950			1,010.00
Ring Gap and Pi...	Gap Rings and Assemble Pistons and Rings into Cylinders (pair)	1	50.00	50.00

<b>Subtotal</b>		
<b>Sales Tax (0.0%)</b>		
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	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.			
Smash Head Se...				
Head Porting 7MM	7MM Head Porting Service	1	629.55	629.55T
F0300M1770	1.770 7MM Intake 4.520 TG Conversion	2	30.00	60.00T
F0302M1530	1.530 Exhaust 7MM 4.610 TG Conversion	2	30.00	60.00T
VG6601	7 MM +.001 Intake Valve Guide	2	13.00	26.00T
VG6701	7 MM +.001 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
	Smash Head Porting Service 7MM			811.55
	As part of the SMASH porting service, we set up the valves to work properly with the IMPACT 560 cams, and we also size your chambers to work with the pistons in the above 1275 kit.			
VSK6500S-7SG	Beehive Valve Spring Kit, 7MM Valves, 650 Lift, With Locks, Lower Collars, and Retainers	1	138.45	138.45T
	This is the optional premium spring pack for the SMASH head service which can handle up to .650 lift and is safe to 7500+rpm.			
898560-00	XL 560 lift Impact Hammer Performance Cam Set, 00-Later	1	495.00	495.00T

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	This advanced cam set has a special lobe design to minimize valvetrain noise while still producing impressive power gains.			
HP45PG	Bronze Oil Pump Gear, Sportster/Buell	1	128.99	128.99T
Grindlock-2000	Pinion Gear Locking Tool, 2000- Later 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.			
CY25263-90DFM	Cyco sportster cam cover gasket, 91-present This high quality gasket is rubber-coated steel construction	1	7.50	7.50T
HPFLXL 10.676...	04/Buell XB Intake Pushrod 10.676x.065x3/8 (-.050)	2	14.875	29.75T
HPFLXL 10.730...	04/Buell XB Exhaust Pushrod 10.730x.065x3/8 (-.050)	2	14.875	29.75T

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	Corrections to the valvetrain geometry that we'll make as a part of setting up your heads for the IMPACT 560 cams, 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.			
BTX-11	Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring	1	209.95	209.95T
DS197026	Clutch Compression Tool, Motion Pro, 90-97 Big Twin and 91+ XL	1	71.99	71.99T
	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.			
CY34955-04FM	Cyco 2004-up sportster primary gasket This is a high quality rubber-coated steel primary gasket	1	18.00	18.00T
1009	Twin Tec TC88A Adjustable Ignition Module, 04-06 Sportster/Twin cam single 12 pin (2101-0034)	1	377.95	377.95T

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	Because the 1275 kit brings more compression and a more efficient chamber, the burn speeds considerably, necessitating less timing advance than stock. However, the timing is not adjustable on an 04-06 model. The solution is an aftermarket ignition module. The above is the best one we've come across. Set it on initial 2, slope 0, and your motor will be happy.			
TM45-2	Mikuni HSR 45 mm Carburetor	1	438.95	438.95T
34-0834	Mikuni to CV carb air box adapter	1	33.71	33.71T
HPXL4504C NMXL 4504C	Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads, With MAP Sensor Provision	1	187.38	187.38T
42/45 Billet Mani...	42/45 Billet Manifold Finishing	1	22.22	22.22
DS173538	45MM/44MM Manifold Seal Ring	1	10.40	10.40T
	Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads, With MAP Sensor			220.00
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.	<b>Subtotal</b>	\$4,149.39
	<b>Sales Tax (0.0%)</b>	\$0.00
	<b>Total</b>	\$4,149.39