



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...	Silver 3.596 Cylinder, 04 Later	2	143.95	287.90T
3.596 Silver 04 ...	HP 3600 30DD61 3.600 30 Degree 10.5-1 Piston	2	179.975	359.95T
HP 3600 30DD61	With Reverse Dome, 61 CC Chamber			
Cylinder Honing	Hone cylinder and fit piston (each)	2	45.00	90.00T
C10095-3625	Cometic 04-06 Top End Gasket Kit .030 3.625 Head Gasket	1	102.10	102.10T
	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 straight 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 \$799.95			839.95
Ring Gap and Pi...	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
			Subtotal	
			Sales Tax (0.0%)	
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Smash Head Se...	7MM Head Porting Service	1	498.00	498.00T
Head Porting 7MM	1.770 7MM Intake 4.520 TG Conversion	2	30.00	60.00T
F0300M1770	1.530 Exhaust 7MM 4.610 TG Conversion	2	30.00	60.00T
F0302M	7 MM +.001 Intake Valve Guide	2	13.00	26.00T
HVG-6601	7 MM +.001 Exhaust Valve Guide	2	13.00	26.00T
HVG-6701	7MM Valve Guide Seal, for larger springs and lower collar, pack of 100	0.04	250.00	10.00T
V7MM-100	Smash Head Porting Service 7MM 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.			680.00
7MM Spring 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
7256-16	7MM Titanium Retainer, 600 Lift	4	17.875	71.50T
E12028	7MM locks Triple Groove	8	0.75	6.00T
18260-02	AV&V Seat Locator, 600 Lift Beehive Spring - pack of 4	1	17.00	17.00T
LSC6000-4	Striker Performance 7MM Valve Spring Kit 600 Lift Triple Groove Locks This is the optional premium spring pack for the SMASH head service which can handle up to .600 lift and is safe to 7500+rpm.			170.00
898560-00	XL 560 lift Impact Hammer Performance Cam Set, 00-Later	1	350.00	350.00T
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HP45PG Grindlock-2000	This advanced cam set has a special lobe design to minimize valvetrain noise while still producing impressive power gains. Bronze Oil Pump Gear, Sportster/Buell 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	98.00	98.00T
		1	50.00	50.00T
CY-25263-90FM	Cyco sportster cam cover gasket This high quality gasket is rubber-coated steel construction	1	5.50	5.50T
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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BTX-11	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.			
DS-197026	Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring 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.	1	145.95	145.95T
CY-34955-04FM	Cyco 2004-up sportster primary gasket This is a high quality rubber-coated steel primary gasket	1	12.00	12.00T
2101-0034	Twin Tec Adjustable Ignition Module, 04-06 Sportster/Twin cam single 12 pin	1	331.00	331.00T

Subtotal
Sales Tax (0.0%)
Total



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	Because the the 1250 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
HS42/001-k	Mikuni to CV carb air box adapter	1	21.95	21.95T
HPXL4504C ASWXL 4504C	Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads, With MAP Sensor	1	144.78	144.78T
42/45 Billet Mani... 29639-99	42/45 Billet Manifold Finishing 45MM/44MM Manifold Seal Ring (Grey)	1 1	22.22 8.00	22.22T 8.00T
	Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads, With MAP Sensor			175.00
IXU24	IXU24 Denso Iridium Spark Plug, Cold	2	10.95	21.90T
80312	Red Line Assembly Lube, 4 OZ	1	9.95	9.95T
Shipping and Ha...	Box 1, engine kit and parts, Shipping and Handling with insurance		0.00	0.00T
Shipping and Ha...	Box 2, heads, Shipping and Handling with insurance		0.00	0.00T
			Subtotal	\$3,519.65
			Sales Tax (0.0%)	\$0.00
			Total	\$3,519.65