

## Hammer Performance

355 McGhee Road  
Sandpoint, ID. 83864

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

## Estimate

Date	Estimate #
2/26/2017	5714

<b>Name / Address</b>

				Project
Item	Description	Qty	Rate	Total
	2004-2006 XL883 110+hp 1275 Conversion, sans air cleaner and exhaust			
XL/Buell 1275 Ki...				
3.596 Silver 04 ...	Silver 3.596 Cylinder, 04 Later	2	207.525	415.05T
HP 3600 XL30D...	HP 3600 XL30D5FS 3.600 30 Degree .500 Dome Piston, Full Skirt, Thermal Barrier Coating	2	207.50	415.00T
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	124.95	124.95T
	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			1,045.00
Ring Gap and Pi...	Gap Rings and Assemble Pistons and Rings into Cylinders (pair) 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	50.00	50.00
			<b>Subtotal</b>	
			<b>Sales Tax (0.0%)</b>	
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Sledge Head Se...		1		
AV1980-7TGB	1.980 Intake 7MM 4.455 TG	2	30.00	60.00T
AV1610-7TGB	1.610 Exhaust 7MM 4.545 TG, Black	2	26.00	52.00T
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
Sledge Head Po...	7MM Sledge Head Porting	1	887.55	887.55T
	Sledge Head Porting Service 7mm			1,061.55
	As part of the CRUSH porting service, we set up the valves to work properly with the CRUSH 600 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 premium spring pack standard with the SLEDGE head service which can handle up to .650 lift and is safe to 8000+rpm.			
898562-00	XL 600 Lift Crush Hammer Performance Cam Set, 00-Later	1	495.00	495.00T
	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
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	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	10.50	10.50T
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
	Corrections to the valvetrain geometry that we'll make as a part of setting up your heads for the CRUSH 600 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.			
0927-0015	S&S Roller Rocker Arms, 1986-up XL, set of four	1	652.95	652.95T
90-4036	S&S Rocker Shaft Set	1	50.95	50.95T
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	Roller rockers are normally used at this valve lift to reduce side loading on the valve. You can use your stock rockers however you'll get somewhat shorter valve guide life. Rocker shafts are recommended because they are a high wear item.			
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	21.00	21.00T
1020-0027	Twin Tec TC88A Adjustable Ignition Module, 04-06 Sportster/Twin cam single 12 pin (2101-0034) 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.	1	377.95	377.95T
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TM45-2	Mikuni HSR 45 mm Carburetor	1	438.95	438.95T
34-0834	Mikuni to CV carb air box adapter	1	39.89	39.89T
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
2401-0869	12 MM Spark Plug Index Washers	1	24.95	24.95T
27794-08	10R12X Spark Plug	2	9.95	19.90T
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>		
		\$5,181.42		
		<b>Sales Tax (0.0%)</b>		
		\$0.00		
		<b>Total</b>		
		\$5,181.42		