



Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

Date	Estimate #
4/1/2021	10635

Name / Address

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	181.475	362.95T
HP 3600 XL30D...	HP 3600 XL30D5FS 3.600 30 Degree .500 Dome Piston, Full Skirt, Thermal Barrier Coating	2	179.975	359.95T
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 \$875			915.00
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

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Sledge Head Se...				
AV1980-7TGB	1.980 Intake 7MM 4.455 TG	2	30.00	60.00T
AV1610-7TGB	1.610 Exhaust 7MM 4.555 TG	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	856.00	856.00T
	Sledge Head Porting Service 7mm			1,030.00
	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.			
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	302.00	75.50T
E12028	7MM Titanium Retainer, 600 Lift	4	17.875	71.50T
18260-02	7MM locks Triple Groove	8	0.75	6.00T
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 Triple Groove Locks			170.00
	This is the premium spring pack standard with the SLEDGE head service which can handle up to .600 lift and is safe to 8000+rpm.			
898562-00	XL 600 Lift Crush 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
CY25263-90DFM	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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0927-0015	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.	1	584.95	584.95T
90-4036	S&S Roller Rocker Arms, 1986-up XL, set of four S& S Rocker Shaft Set 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.	1	38.95	38.95T
BTX-11	Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring	1	164.95	164.95T
DS197026	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	70.00	70.00T
CY34955-04FM	Cyco 2004-up sportster primary gasket This is a high quality rubber-coated steel primary gasket	1	12.00	12.00T

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1009	Twin Tec Adjustable Ignition Module, 04-06 Sportster/Twin cam single 12 pin Because the the 1275 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	358.00	358.00T
TM45-2	Mikuni HSR 45 mm Carburetor	1	438.95	438.95T
34-0834	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 Provision	1	162.78	162.78T
42/45 Billet Mani...	42/45 Billet Manifold Finishing	1	22.22	22.22
DS173538	45MM/44MM Manifold Seal Ring	1	10.00	10.00T
	Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads, With MAP Sensor			195.00
2401-0869	12 MM Spark Plug Index Washers	1	22.19	22.19T
27794-08	10R12X Spark Plug	2	5.95	11.90T
80312	Red Line Assembly Lube, 4 OZ	1	9.95	9.95T
Shipping and Ha...	Shipping and Handling TBD		0.00	0.00T
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			Sales Tax (0.0%)	\$0.00
			Total	\$4,656.79