

Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

Date	Estimate #
2/26/2017	5731

Name / Address

			Project
Description	Qty	Rate	Total
1988-1990 XL883 120+hp 1275 Conversion, sans air cleaner and exhaust			
Silver 3.596 Cylinder, 86-03	2	93.95	187.90T
HP 3600 XL30D5 3.600 30 Degree .500 Dome Piston	2	154.975	309.95T
Cometic 1986-90 Top End Gasket Kit, .030 3.600 Head/.020 Base	1	102.10	102.10T
Hone cylinder and fit piston (each)	2	45.00	90.00T
XL/Buell 1275 kit, Silver, 86-03 The above engine kit has silver small fin cylinders included (correct fin style for 86-03-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 \$649.95			689.95
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
		Subtotal	
		Sales Tax (0.0%)	
		Total	

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7 MM +.001 Exhaust Valve Guide	2	13.00	26.00T
7 MM Valve Guide Seal, Viton, 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	336.00	84.00T
7MM Titanium Retainer	4	20.00	80.00T
7MM Locks Single Groove (2 each)	4	4.25	17.00T
AV&V Seat Locator, Beehive Spring - pack of 4	1	17.00	17.00T
Striker Performance 7MM Valve Spring Kit 600 Lift Single Groove Locks			198.00
This conical spring pack represents the latest in high performance spring development. The valvetrain is stable to at least 8000rpm.			
S&S 600 Cam Set, 1986-90 XL	1	384.25	384.25T
Bronze Oil Pump Gear, Sportster/Buell	1	98.00	98.00T
Pinion Gear Locking Tool, 1991-1999 XL, With Mounting Bolts	1	50.00	50.00T
		Subtotal	
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<p>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.</p> <p>Cometic Cam Cover gasket 86-90 XL</p> <p>XL Intake Pushrod 10.333x.065x3/8 (-.020)</p> <p>XL Exhaust Pushrod 10.400x.065x3/8 (-.020)</p> <p>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.</p> <p>S&S 1.725 ratio Roller Rocker Arms, set of 4</p> <p>Rocker Shaft Set</p> <p>Roller rockers are normally used at this valve lift to reduce side loading on the valve. We also use high ratio rockers to get more lift without creating additional cam box clearance issues. Rocker shafts are recommended because they are a high wear item.</p> <p>Energy One Extra Plate Clutch Kit, 1984 - 1990 Sportster</p>	<p>1</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p>	<p>13.00</p> <p>14.875</p> <p>14.875</p> <p>534.95</p> <p>33.95</p> <p>135.50</p>	<p>13.00T</p> <p>29.75T</p> <p>29.75T</p> <p>534.95T</p> <p>33.95T</p> <p>135.50T</p>
		Subtotal	
		Sales Tax (0.0%)	
		Total	

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Clutch Spring, 20% stronger, Barnett, 86-90 XL	1	25.95	25.95T
Clutch Spring Compression Tool, 86-90 XL	1	56.95	56.95T
Cometic Primary Gasket, Seal, and O-Ring Kit, 86-90 XL	1	39.31	39.31T
Mikuni 48mm Carburetor, Standard Finish	1	459.95	459.95T
Mikuni to CV carb air box adapter	1	21.95	21.95T
Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads	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			195.00
Dyna 2000I PC Programmable Ignition Module	1	265.95	265.95T
Single Fire Coil, Drag Specialties, 2.4 ohm	1	85.95	85.95T
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
		Subtotal	\$4,835.95
		Sales Tax (0.0%)	\$0.00
		Total	\$4,835.95