



Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

| Date | Estimate # |
|-----------|------------|
| 7/19/2017 | 6211 |

| Name / Address |
|----------------|
| |

| | | | | Project |
|---------------------|--|-----|-------------------------|---------|
| Item | Description | Qty | Rate | Total |
| | 1991-1993 XL883 120+hp 1275 Conversion, sans air cleaner and exhaust | | | |
| XL/Buell 1275 Ki... | | | | |
| 3.596 Silver 86-... | Silver 3.596 Cylinder, 86-03 | 2 | 93.95 | 187.90T |
| HP 3600 XL30D5 | HP 3600 XL30D5 3.600 30 Degree .500 Dome Piston | 2 | 179.975 | 359.95T |
| C10096-3625 | Cometic 91-03 Top End Gasket Kit .030 3.625 Head Gasket | 1 | 102.10 | 102.10T |
| Cylinder Honing | Hone cylinder and fit piston (each) XL/Buell 1275 kit, Silver, 86-03 | 2 | 45.00 | 90.00T |
| | 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 \$699.95 | | | 739.95 |
| 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%) | |
| | | | Total | |



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| BFH Head Servi... | | | | |
| F0078 | 2.020 intake 7MM 4.400 SG | 2 | 50.00 | 100.00T |
| F0077 | 1.630 Exhaust 7MM 4.440 SG | 2 | 50.00 | 100.00T |
| 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 | 756.00 | 756.00T |
| Alter Valve Angles | Alter valve angles on XL heads | 1 | 180.00 | 180.00T |
| Welding Intake ... | Weld Intake Port Floors (pair) | 1 | 75.00 | 75.00T |
| Hand Form Floors | 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. | | | |
| 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 | 336.00 | 84.00T |
| E12028 | 7MM Titanium Retainer, 600 Lift | 4 | 20.00 | 80.00T |
| K10090 | 7MM Locks Single Groove (2 each) | 4 | 4.25 | 17.00T |
| 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 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. | | | |
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| 898562 | XL 600 Lift Crush Hammer Performance Cam Set, 91-99 This advanced cam set has a special lobe design to minimize valvetrain noise while still producing impressive power gains. | 1 | 350.00 | 350.00T |
| HP45PG | Bronze Oil Pump Gear, Sportster/Buell | 1 | 98.00 | 98.00T |
| Grindlock-9199 | Pinion Gear Locking Tool, 1991-1999 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 | 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 10.696... | 91-03 XL Intake Pushrod 10.696x.065x3/8 (-.050) | 2 | 14.875 | 29.75T |
| HPFLXL 10.750... | 91-03 XL Exhaust Pushrod 10.750x.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 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. | | | |
| 900-4098A | S&S 1.725 ratio Roller Rocker Arms, set of 4 | 1 | 534.95 | 534.95T |
| 90-4036 | Rocker Shaft Set 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. | 1 | 33.95 | 33.95T |
| BTX-11 | Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring | 1 | 145.95 | 145.95T |
| DS-197026 | Clutch Compression Tool, Motion Pro, 90-97 Big Twin and 91+ XL | | 70.00 | 70.00T |
| CY-34955-89FM | Cyco 91-03 sportster primary gasket This is a high quality rubber-coated steel primary gasket | 1 | 12.00 | 12.00T |
| 48-2X | Mikuni 48mm Carburetor, Standard Finish | 1 | 459.95 | 459.95T |
| HS42/001-k | Mikuni to CV carb air box adapter | 1 | 21.95 | 21.95T |

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| HPXL4803C ASWXL 4803C | Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads | 1 | 144.78 | 144.78T |
| 48 Billet Manifold... | 48 Billet manifold Finishing | 1 | 37.72 | 37.72T |
| 29539-99Y | 48 MM Manifold Seal Ring | 1 | 12.50 | 12.50T |
| | Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads | | | 195.00 |
| 2101-0043 | Dyna 2000 Digital Ignition Module, Single or Dual Fire, W/ 7 Pin, 90-93 XL | 1 | 265.95 | 265.95T |
| 2102-0226 | Single Fire Coil, Drag Specialties, 2.4 ohm | 1 | 85.95 | 85.95T |
| 372-029 | 12 MM Spark Plug Index Washers | 1 | 17.99 | 17.99T |
| 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 | \$4,814.44 |
| Sales Tax (0.0%) | \$0.00 |
| Total | \$4,814.44 |