

Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

| Date | Estimate # |
|-----------|------------|
| 2/26/2017 | 5736 |

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

| | | | Project |
|---|-----|-------------------------|---------|
| Description | Qty | Rate | Total |
| 1998-2003 XL883 100+hp 1275 Conversion, sans air cleaner and exhaust | | | |
| Silver 3.596 Cylinder, 86-03 | 2 | 93.95 | 187.90T |
| HP 3600 30DD61 3.600 30 Degree 10.5-1 Piston With Reverse Dome, 61 CC Chamber | 2 | 154.975 | 309.95T |
| Cometic 91-03 Top End Gasket Kit .030 3.625 Head Gasket | 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 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 \$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 |
| 7MM Head Porting Service | 1 | 498.00 | 498.00T |
| 1.770 7MM Intake 4.520 TG Conversion | 2 | 30.00 | 60.00T |
| | | Subtotal | |
| | | Sales Tax (0.0%) | |
| | | Total | |

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| Description | Qty | Rate | Total |
| 1.530 Exhaust 7MM 4.610 TG Conversion | 2 | 30.00 | 60.00T |
| 7 MM +.001 Intake Valve Guide | 2 | 13.00 | 26.00T |
| 7 MM +.001 Exhaust Valve Guide | 2 | 13.00 | 26.00T |
| 7MM Valve Guide Seal, for larger springs and lower collar, pack of 100 | 0.04 | 250.00 | 10.00T |
| Smash Head Porting Service 7MM As part of the SMASH porting service, we set up the valves to work properly with the cams below, and we also size your chambers to work with the 30 degree pistons in the above 1275 kit. | | | 680.00 |
| 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 |
| 7MM Titanium Retainer, 600 Lift | 4 | 17.875 | 71.50T |
| 7MM locks Triple Groove | 8 | 0.75 | 6.00T |
| 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 This is the premium spring pack for the SMASH head service which can handle up to .600 lift and is safe to 8000+rpm. | | | 170.00 |
| Cut Angled Squish Band (each) This is the machining operation that makes the chambers match the trick 30 degree reverse dome pistons in the above engine kit. We throw this in for free when someone buys both an engine kit and head work. | 2 | 0.00 | 0.00T |
| XL 560 lift Impact Hammer Performance Cam Set, 00-Later | 1 | 325.00 | 325.00T |
| | | Subtotal | |
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| <p>Note that a different version of these cams is needed for 91-99 bikes. We'll include the correct version based on the year of your bike.</p> | | | |
| Bronze Oil Pump Gear, Sportster/Buell | 1 | 98.00 | 98.00T |
| Pinion Gear Locking Tool, 2000- Later XL, With Mounting Bolts | 1 | 50.00 | 50.00T |
| <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.</p> | | | |
| <p>The locking tool listed is necessary for proper installation. Note that a different version of this tool is needed for 91-99 bikes. We'll include the correct version based on the year of your bike.</p> | | | |
| Cyco sportster cam cover gasket | 1 | 5.50 | 5.50T |
| 91-03 XL Intake 10.696x.065x3/8 (-.050) | 2 | 14.875 | 29.75T |
| 91-03 XL Exhaust 10.750x.065x3/8 (-.050) | 2 | 14.875 | 29.75T |
| | | Subtotal | |
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| Corrections to the valvetrain geometry that we'll make as a part of setting up your heads for the 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. | | | |
| Dyna 2000i PC Programmable Ignition Module This ignition module will let you select an appropriate ignition curve for your bike. Static time it per the instructions, set it on curve 4, and it'll be perfect. | 1 | 265.95 | 265.95T |
| Mikuni HSR 45 mm Carburetor | 1 | 438.95 | 438.95T |
| Mikuni to CV carb air box adapter | 1 | 21.95 | 21.95T |
| Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads | 1 | 144.78 | 144.78T |
| 42/45 Billet Manifold Finishing | 1 | 22.22 | 22.22T |
| 45MM/44MM Manifold Seal Ring (Grey) | 1 | 8.00 | 8.00T |
| Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads | | | 175.00 |
| 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 |
| | | Subtotal | |
| | | Sales Tax (0.0%) | |
| | | Total | |

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| Description | Qty | Rate | Total |
| 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 | \$3,051.65 |
| | | Sales Tax (0.0%) | \$0.00 |
| | | Total | \$3,051.65 |