

Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

| Date | Estimate # |
|----------|------------|
| 5/3/2024 | 13035 |

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

| Project |
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| Item | Description | Qty | Rate | Total |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|---------|
| | 1988-1990 XL883 110+hp 1275 Conversion, sans air cleaner and exhaust | | | |
| XL/Buell 1275 Ki... | | | | |
| 3.596 Silver 86-... | Silver 3.596 Cylinder, 86-03 | 2 | 153.155 | 306.31T |
| HP 3600 XL30D... | HP 3600 XL30D5FS 3.600 30 Degree .500 Dome Piston, Full Skirt, Thermal Barrier Coating | 2 | 199.975 | 399.95T |
| C9907-3625 | Cometic 1986-90 Top End Gasket Kit, .030 3.625 Head/.020 Base | 1 | 113.74 | 113.74T |
| Cylinder Honing | Hone cylinder (each) | 2 | 45.00 | 90.00 |
| | XL/Buell 1275 kit, Silver, 86-03 | | | 910.00 |
| | 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 (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 \$850 | | | |
| Ring Gap and Pi... | Gap Rings and Assemble Pistons and Rings into Cylinders (pair) | 1 | 50.00 | 50.00 |
| | 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. | | | |

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| Subtotal | | |
| Sales Tax (0.0%) | | |
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| Sledge Head Se... | | 1 | | |
| AV1980-7TGB | 1.980 Intake 7MM 4.455 TG | 2 | 30.00 | 60.00T |
| F0318 | 1.615 Exhaust 7MM 4.651 SG | 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 SLEDGE 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. | | | |
| VSK6500S-7SG | Beehive Valve Spring Kit, 7MM Valves, 650 Lift, With Locks, Lower Collars, and Retainers This is the premium spring pack which is standard with the SLEDGE head service and can handle up to .650 lift and is safe to 8000+rpm. | 1 | 138.45 | 138.45T |
| Angled Squish B... | 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 |
| 33-5125 | S&S 600 Cam Set, 1986-90 XL | 1 | 597.95 | 597.95T |
| HP45PG | Bronze Oil Pump Gear, Sportster/Buell | 1 | 128.99 | 128.99T |

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| Grindlock-9199 | Pinion Gear Locking Tool, 1988-1999 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 |
| 2011-1501 | Cometic Cam Cover gasket 86-90 XL, pkg of 5 (C9311F5) | 0.2 | 89.75 | 17.95T |
| HPFLXL 10.300... | XL Intake Pushrod 10.300x.065x3/8 (-.053) | 2 | 14.875 | 29.75T |
| HPFLXL 10.373... | XL Exhaust Pushrod 10.373x.065x3/8 (-.047) | 2 | 14.875 | 29.75T |
| | 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. | | | |
| 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. | | | |
| SPX-9 | Energy One Extra Plate Clutch Kit, 1984 - 1990 Sportster | 1 | 209.95 | 209.95T |
| DS223743 | Clutch Spring, 20% stronger, Barnett, 86-90 XL | | 32.50 | 32.50T |
| DS199221 | Barnett Clutch Spring Compression Tool, 86-90 XL | 1 | 63.04 | 63.04T |
| 0934-4806 | Cometic Primary Gasket, Seal, and O-Ring Kit, 86-90 XL (C9210) | 1 | 53.95 | 53.95T |
| 2101-0027 | 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 | 264.43 | 264.43T |
| 2102-0226 | Single Fire Coil, Drag Specialties, 2.4 ohm | 1 | 61.95 | 61.95T |
| TM45-2 | Mikuni HSR 45 mm Carburetor | 1 | 438.95 | 438.95T |
| 34-0834 | Mikuni to CV carb air box adapter | 1 | 33.71 | 33.71T |
| HPXL4503C | | | | |
| NMXL 4503C | Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads | 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 |

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| | Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads | | | 220.00 |
| 2401-0869 | 12 MM Spark Plug Index Washers | 1 | 24.95 | 24.95T |
| 27794-08 | 10R12X Spark Plug | 2 | 6.95 | 13.90T |
| 80312 | Red Line Assembly Lube, 4 OZ | 1 | 13.95 | 13.95T |
| Shipping and Ha... | Shipping and Handling TBD | | 0.00 | 0.00T |

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| This estimate represents a proposal by HAMMER PERFORMANCE. Please verify all items are correct before proceeding with your order. | Subtotal | \$5,149.57 |
| | Sales Tax (0.0%) | \$0.00 |
| | Total | \$5,149.57 |