

## Hammer Performance

355 McGhee Road  
Sandpoint, ID. 83864

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

# Estimate

| Date      | Estimate # |
|-----------|------------|
| 7/20/2025 | 14100      |

|                                          |
|------------------------------------------|
| <b>Name / Address</b>                    |
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|                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                  | Project |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------|---------|
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                  |         |
| Item                | Description                                                                                                                                                                                                                                                                                                                                                                                                              | Qty | Rate             | Total   |
|                     | 1988-1990 XL883<br>120+hp 1275 Conversion, sans air cleaner and exhaust                                                                                                                                                                                                                                                                                                                                                  |     |                  |         |
| XL/Buell 1275 Ki... |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                  |         |
| 3.596 Silver 86-... | Silver 3.596 Cylinder, 86-03                                                                                                                                                                                                                                                                                                                                                                                             | 2   | 157.525          | 315.05T |
| HP 3600 XL30D...    | HP 3600 XL30D5FS 3.600 30 Degree .500 Dome Piston, Full Skirt, Thermal Barrier Coating                                                                                                                                                                                                                                                                                                                                   | 2   | 207.50           | 415.00T |
| C9907-3625          | Cometic 1986-90 Top End Gasket Kit, .030 3.625 Head/.020 Base                                                                                                                                                                                                                                                                                                                                                            | 1   | 124.95           | 124.95T |
| Cylinder Honing     | Hone cylinder (each)                                                                                                                                                                                                                                                                                                                                                                                                     | 2   | 45.00            | 90.00   |
|                     | XL/Buell 1275 kit, Silver, 86-03                                                                                                                                                                                                                                                                                                                                                                                         |     |                  | 945.00  |
|                     | 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.                                        |     |                  |         |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |     | Subtotal         |         |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |     | Sales Tax (0.0%) |         |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |     | Total            |         |

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|                    |                                                                                                                                                                               |      |                         |          |
| Item               | Description                                                                                                                                                                   | Qty  | Rate                    | Total    |
| BFH Head Servi...  |                                                                                                                                                                               | 1    |                         |          |
| 11226-2.020        | 2.020 Intake, Manley 7MM/4.440 SG                                                                                                                                             | 2    | 58.00                   | 116.00T  |
| 11267-1.630        | 1.630 Exhaust, Manley 7MM/.2755, 4.445 SG                                                                                                                                     | 2    | 56.52                   | 113.04T  |
| VG6625             | 7 MM +.025 Intake Valve Guide                                                                                                                                                 | 2    | 13.00                   | 26.00T   |
| VG6725             | 7 MM +.025 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                   | 75.00    |
| Hand Form Floors   | Hand Form Intake Port Floors (pair)                                                                                                                                           | 1    | 125.00                  | 125.00T  |
|                    | BFH Head Porting Service 7mm                                                                                                                                                  |      |                         | 1,427.04 |
|                    | 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. |      |                         |          |
| BFH Spring Pac...  |                                                                                                                                                                               |      |                         |          |
| PAC-1427           | Beehive Spring, 200lbs @ 1.850, 500lbs @ 1.250, Spring Rate – 500lbs/in, Max Coil Bind – 1.175” – However our Nominal is 1.155”                                               | 4    | 26.43                   | 105.72T  |
| E12028             | 7MM Titanium Retainer, 600 Lift                                                                                                                                               | 4    | 23.03                   | 92.12T   |
| K10090             | 7MM Locks Single Groove, each                                                                                                                                                 | 8    | 6.22                    | 49.76T   |
| LSC6000-4          | AV&V Seat Locator, 600 Lift Beehive Spring, pack of 4                                                                                                                         | 1    | 17.00                   | 17.00T   |
|                    | BFH Performance 7MM Valve Spring Kit Single Groove Locks                                                                                                                      |      |                         | 264.60   |
|                    | This conical spring pack represents the latest in high performance spring development. The valvetrain is stable to at least 8000rpm.                                          |      |                         |          |
|                    |                                                                                                                                                                               |      | <b>Subtotal</b>         |          |
|                    |                                                                                                                                                                               |      | <b>Sales Tax (0.0%)</b> |          |
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|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                         |         |
| Item             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Qty | Rate                    | Total   |
| 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 |
| Grindlock-9199   | Pinion Gear Locking Tool, 1991-1999 XL, With Mounting Bolts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1   | 50.00                   | 50.00T  |
|                  | 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. |     |                         |         |
| 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 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.                                                                                                                                                                                     |     |                         |         |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     | <b>Subtotal</b>         |         |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     | <b>Sales Tax (0.0%)</b> |         |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     | <b>Total</b>            |         |

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|                       |                                                                                                                                                                                                                                                                 |     |                         |         |
| Item                  | Description                                                                                                                                                                                                                                                     | Qty | Rate                    | Total   |
| 0927-0028             | S&S 1.725 ratio Roller Rocker Arms, set of 4                                                                                                                                                                                                                    | 1   | 693.95                  | 693.95T |
| 90-4036               | S& S Rocker Shaft Set                                                                                                                                                                                                                                           | 1   | 50.95                   | 50.95T  |
|                       | 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. |     |                         |         |
| 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                                                                                                                                                                                                                  | 1   | 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  |
| 48-2X                 | Mikuni HSR48 Carburetor, Standard Finish                                                                                                                                                                                                                        | 1   | 459.95                  | 459.95T |
| 34-0834               | Mikuni to CV carb air box adapter                                                                                                                                                                                                                               | 1   | 39.89                   | 39.89T  |
| HPXL4803C             | Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads                                                                                                                                                                                                    | 1   | 190.28                  | 190.28T |
| NMXL 4803C            |                                                                                                                                                                                                                                                                 |     |                         |         |
| 48 Billet Manifold... |                                                                                                                                                                                                                                                                 | 1   | 37.72                   | 37.72   |
| 29539-99Yv            |                                                                                                                                                                                                                                                                 | 1   | 17.00                   | 17.00T  |
|                       | Billet Intake Manifold, HSR48, 88-06 XL, for Carb type heads                                                                                                                                                                                                    |     |                         | 245.00  |
| 2101-0027             | Dyna 2000I PC Programmable Ignition Module                                                                                                                                                                                                                      | 1   | 269.72                  | 269.72T |
|                       |                                                                                                                                                                                                                                                                 |     | <b>Subtotal</b>         |         |
|                       |                                                                                                                                                                                                                                                                 |     | <b>Sales Tax (0.0%)</b> |         |
|                       |                                                                                                                                                                                                                                                                 |     | <b>Total</b>            |         |

