

Hammer Performance

355 McGhee Road
Sandpoint, ID. 83864

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

Estimate

Date	Estimate #
2/26/2017	5717

Name / Address

			Project
Description	Qty	Rate	Total
1998-2003 XL883 110+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 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			689.95
The above engine kit has silver small fin cylinders included. 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			
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
1.980 Intake 7MM 4.455 TG	2	30.00	60.00T
1.615 Exhaust 7MM 4.651 SG	2	26.00	52.00T
7 MM +.001 Intake Valve Guide	2	13.00	26.00T
7 MM +.001 Exhaust Valve Guide	2	13.00	26.00T
		Subtotal	
		Sales Tax (0.0%)	
		Total	

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7MM Valve Guide Seal, for larger springs and lower collar, pack of 100	0.04	250.00	10.00T
7MM Sledge Head Porting	1	756.00	756.00T
Sledge Head Porting Service 7mm 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.			930.00
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	4	4.25	17.00T
Striker Performance 7MM Valve Spring Kit 600 Lift Triple Groove Locks This is the premium spring pack which is standard with the SLEDGE head service and 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 600 Lift Crush Hammer Performance Cam Set, 00-Later Note that 91-99 models use a different version of these cams. The price is the same however. We will include the correct version based on the year of your bike.	1	325.00	325.00T
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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. 91-99 models use a different version of this tool. It's the same price however. 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) Pushrod	2	14.875	29.75T
91-03 XL Exhaust 10.750x.065x3/8 (-.050) Pushrod	2	14.875	29.75T
<p>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.</p>			
S&S Roller Rocker Arms	1	479.95	479.95T
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Rocker Shaft Set 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.	1	33.95	33.95T
Energy One Extra Plate Clutch Kit, 1991 - Later Sportster, with 15% Stronger Diaphragm Spring	1	145.95	145.95T
Clutch Compression Tool, Motion Pro, 90-97 Big Twin and 91+ XL	1	70.00	70.00T
Cyco 91-03 sportster primary gasket This is a high quality rubber-coated steel primary gasket	1	12.00	12.00T
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
Single Fire Coil, Drag Specialties, 2.4 ohm	1	85.95	85.95T
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
Subtotal			
Sales Tax (0.0%)			
Total			

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Billet Intake Manifold, HSR45/CV44, 88-06 XL, for Carb type heads			175.00
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	\$4,147.44
		Sales Tax (0.0%)	\$0.00
		Total	\$4,147.44