

HYPERFORMANCE LONG BLOCKS™

Complete, assembled engines. (No carb or ignition)	
HyTorque™ 106"	9,900.00
HyHorse™ 120"	12,000.00
Raped Ape™ 131"	12,100.00
Raped Ape™ 139"	12,800.00
ProMotor™ 155" – 160"	17,800.00
ProMotor™ Street	20,000.00
Dux Big Block™ 156" – 225"	24,500.00
OPTIONS: carb, ignition, alternator, powder coated parts,	
H.P.C. coating, chroming	P.O.R.
Dual Carb Heads	P.O.R.

BILLET MEGA™ HEADS

Stage I -- Hot off the CNC Machine	3,250.00
Stage II -- Machined for bore, seats installed	3,815.00
Stage III -- Machined & ported for street	4,731.00
Stage IV -- Machined & ported for race to 7,000 RPM	5,715.00
Stage V -- Machined & ported for race to 8,000 RPM	6,255.00
Polished -- add:	265.00

BILLET ROCKER BOXES

CNC Billet Rocker Boxes for Mega Heads	1,042.00
Promotor	625.00
Polished -- add:	92.00

MEGA™ MANIFOLDS

Mega™ Intake System	285.00
Mega™ Manifold only	162.50
Mega™ Flanges (2)	74.00
Mega™ O-rings (2)	15.00
Polished -- add:	75.00

S & S OVAL PORT MANIFOLDS

Complete System	182.00
Manifold only	101.00
Hytech™ Flanges	74.00
Mega™ O-rings (2)	15.00
Polished -- add:	75.00

BIG JUGS™

Big Jugs™ are premium grade ductile iron billet for maximum tensile strength & optimum density. We precision machine for uniform wall thickness & offer any case-cylinder head combination. Street cylinders have machined fins.

Finless racing up to 4 1/4" bore	963.50
Finless racing 4-3/8" – 5.1/8" bore	1,078.50
Finned street up to 6-1/2" fin diameter	943.40
Finned street up to 7-1/2" & up fin diameter	1,040.65
Knucklehead street	1,087.40
Machine for oil drains (pair)	78.00
Machine finned cylinders for 8 bolt	148.50
Viton O rings (state size)	6.25
HPC coatn & polish (Aluminized coating)	489.00
3/8" Head bolts (each)	3.24
7/16" Head bolts (each)	3.45
Centerbore bolts (8)	5.65
EVO head washers (8)	13.00
Hytorque base nuts (8)	19.15
Base studs (8)	30.24
Special application cylinders may be subject to design charges.	

HYTECH™ CYLINDER TORQUE PLATES

HTTPEV-3500 FOR 3.5" Bore	220.00
HTTPEV-3625 for 3-5/8" Bore	230.00
HTTPTC-3750 for Twin Cam	230.00
(Larger Bore torque plates available)	

COMPLETE BIG JUG™ KITS

Kits include pair of Big Jugs™ (as described above) plus: Hytech™ pistons fitted to your bore, Hytech™ wrist pins, HyStrength™ piston rings, HyTorque™ bolts & studs, teflon buttons, & Viton O-ring or copper head gaskets. Most kits have external oil return lines from heads to cases. Piston dome machining may be required.

Street XL: #STXLIRN	1,278.50
#STXLEV	1,306.50
#STXLCT	1,326.50
Street FL: #STFLPS	1,306.50
#STFLEV	1,306.50
#STTC88	1,306.50
#STFL4STD	1,324.50
#STFL4KE	1,347.50
#STFL5DK	1,668.50
7-1/2" Fin diameter & up add:	108.00
Drag Kits (add)	45.50
Oil line kit	58.00
ARP Stud Kit- 1/2"	77.00

HYTECH™ PISTONS

J.E. Piston Kits	278.95
Wisco Piston Kits	217.95
Hypereutectic Piston Kits	128.00
Shelf stock street & drag (bare)	256.00
Custom racing (bare)	281.00
Some pistons have black top domes & require predision machining	
To custom match your combustion chamber. (Per hour)	74.00
Install skirt buttons for Nitro (pair)	206.80
Nylatron® O skirt buttons	1.70
HyStrength™ piston rings up to 4-1/4"	41.15
H-13 Tapered tool steel wrist pins (each)	25.40
.927" Nitro wrist pins (each)	26.40
Teflon buttons (each)	3.20

HYTECH™ CONNECTING RODS

All rod sets are fitted for wrist pin. Corrillo's and rebuilds are complete with crank pin, bearings & retainers.

Hytech™ Titanium (all)	2,150.00
Carrillo™ 7.44"	697.00
Carrillo™ 8", 8.4" & 9"	762.00
8.4" Billet Aluminum side/side	P.O.R.
8.5" Promotor™ side/side	P.O.R.
Rebuilt rod sets	233.00

ROCK N' ROLLERS™

Roller tip rockers minimize friction & wear for increased longevity & improved performance. Ship your rockers to us for modification.

Rock n 'Rollers™ rollertip rockers (each)	105.00
Correct Geometry, install (each)	206.15
Geometry only, no rollers (each)	97.00

EXHAUST FLANGES

(State pipe size & bolt pattern)	7.75
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HYTECH™ NICKEL BRONZE VALVE GUIDES

Certified Ampco 45 valve guides with bore diameter .001" smaller than valve stem diameter.

74" 1948 - 1979 (Std. Outside Diameter .5653")	9.95
80" Mid-1979 on (Std. Outside Diameter .6253")	9.95
80" Evolution 1983 on (Std. Outside Diameter .562")	9.95
Custom – For Mega™ Heads	14.65

HYTECH™ CAST IRON VALVE GUIDES

The durability & self-lubricating characteristics of cast iron make these valve guides the perfect choice for hi-performance motors & no-lead conversions.

74" 1948 - 1979 (Std. Outside Diameter .5653")	6.95
80" Mid-1979 on (Std. Outside Diameter .6253")	6.95
SPORTSTER (Std. Outside Diameter is .565")	6.95
EVOLUTION (Std. outside Diameter is .562")	6.95

NICKEL CHROME VALVE SEATS

18.00

HYTECH™ VALVE STEM SEALS

K-Line (4)	8.35
PM (4)	

Solid teflon with double coil spring for tension on valve stem & steel band to secure seal to guide

Part No.	Description	
20-2001	Teflon Seal .530 x .374	12.50
20-2002	Teflon Seal .562 x .374	12.50
20-2003	Teflon Seal .420 x .311	12.50
20-2004	Teflon Seal .500 x .374	12.50
20-2005	Teflon Seal .500 x .432	12.50
20-2006	Teflon Seal .500 x .311	12.50

KIBBLEWHIT™ PRECISION MACHINING VALVES

These one piece, stellite tipped, stainless steel valves are impregnated by a special process for superior wear & corrosion resistance. Black Diamond™ valves are designed & engineered for light weight, minimum friction, & excellent flow characteristics.

BLACK DIAMOND

ONE PIECE S.S. *STELLITE TIPPED*IMPREGNATED VALVES
KPMI Black Diamond stainless steel valves are impregnated by a special German Process .002" deep and .0002" surface build up to improve wear properties and reduce friction and provides resistance to corrosion and wear..These valves are light and the profiles provide excellent flow characteristics. 24.50

DIAMONDBACK

ONE PIECE S.S. *HARD CHROME STEM VALVES
Diamondback valves are made from a one piece forging of either EV8 Stainless Steel or Inconel-751, two proven heat & corrosion resistant materials. Also these valves are fully CNC machined and hard chromed with a 360 degree anode which produces nearly perfect Hard Chrome. 21.75

TENSILITE**LINE OF TITANIUM VALVES**

All Precision Machining, Inc. Titanium Valves are manufactured from Solid U.S. Milled Titanium Bar. The Titanium Bar is cut, forged, and then the stem is pulled from the forging and cross sectionally reduced. After final grinding and machining the valves is incased in a hard Titanium Nitride Shell.92.80

- 74" & 80" 74SHOVELHEAD -- 1966 on
- 74" PANHEAD -- 1948 -1965
- SPORTSTER -- 1958 -1969
- SPORTSTER -- 1970 on
- 74" & 80" High-Performance BIG TWIN - Thin Stem
- EVOLUTION 80" -- 1983 on
- EVOLUTION 1100cc SPORTSTER 86
- 883cc-1200cc CONVERSION VALVES (.060" longer)
- BLANK VALVES -- Extra Long Stem & Oversize Heads

HYTECH™ TITANIUM COLLAR KIT

Includes titanium collars, keepers & lash caps	101.25
Individual titanium collars (4)	49.00
10° Keepers (8)	36.85
Lash caps (4)	18.50
Triple valve spring kit with titanium top retainer collars, 10° lash	
Cap keeper, & lash caps (state valve stem diameter)	238.90

COMPRESSION RELEASES

10mm Releases (2)	114.00
Installation to:	
S.T.D. Heads (2)	88.20
Other heads requiring welding (2)	248.00
Complete Job -- S.T.D.	198.00
Complete Job -- Welding	359.00

MISC. SHOP SERVICES

Machine head for new seats (each)	29.40
Remove valve seats (each)	6.50
Valve guide holes welded & machined to Std. diameter (each)	160.15
with new guide & seat (each)	229.50
Machine for new seats - FL or XL (set)	69.90
EVO (set)	34.95
Install Helicoilss	
Helicoils (each)	7.75
Helicoil spark plug hole	29.55
Plug, weld & machine spark plug hole	160.15
Balance flywheels	145.00
Assemble & true flywheels	125.00
Bore 883 cylinder to 1200	188.70
T.P & Hone cylinders (+.005")	87.50
Bore & T.P. Hone cylinders	102.00
Machine cylinders (stock Evo) for o-rings	98.70
Requires new dowels (4)	9.30
Match machine piston domes	69.40
Match machine valve pockets	69.40
Crank case boring	112.50
Custom machine work (per hour)	74.00
Other work	58.00

CNC PORTED CYLINDER HEADS

TC 88 stock ported (includes springs)	1,150.00
80" stock ported (includes springs)	1,150.00
xl stock ported (includes springs)	1,150.00
Parts extra	
80" Billet	2,595.00
106" Billet HyTorque™	2,695.00
(add 50.00 for Raped Ape)	
106" Billet round fin	2,895.00
102" 132" 139" Billet round fin	2,895.00
Promotor™ Racing	6,500.00

SPECIALTIES:

3-angle seat cutting, per seat	24.65
5-angle seat cutting, per seat	31.80
Install & cut hard seat, per seat	62.60
Install & fit valve guide, per guide	12.80
Assemble heads (pair)	25.00
Disassemble heads	12.00
Clean & beadblast head (each)	30.00

NO-LEAD CONVERSION (including 3-angle valve job, hard seats, guides, stainless valves, seals, & assembly)

Shovelhead & EVO -- with standard seat diameter (pair)	516.00
Shovelhead & EVO big seat, Panhead & Sportster (pair)	563.00
Head reconditioning w/o guides	205.00
W/guides	290.00
Surface one head	38.00
Surface two heads	70.00
Bore head -- FX, XL -- add:	37.50
Blend combustion chambers, per head	42.00
Grind valves (each)	2.75
Backcut valves (each)	1.80
Beadblast valves (each)	1.20
Face rockerarms (each)	1 st -- 13.30, 2+ (9.00 each)
Spring packing, per valve	12.50
Porting for street (pair)	532.00
Porting for racing (pair)	862.00
Flow testing only (pair)	98.00
Install new exhaust flanges on Panhead (pair)	145.50
Dual plug heads (pair)	180.00
30° chamber (pair)	75.00
Fuel injection nozzles (pair)	112.50
dual nozzles (pair)	186.00
Machine for outside returns oil drain fittings (pair)	112.50