



# POWERSPORTS

STREET • OFF ROAD • ATV/UTV • WATER & SNOW • V-TWIN

CATALOG VOL. 24



MADE IN THE USA



JEPISTONS.COM | 714-898-9763

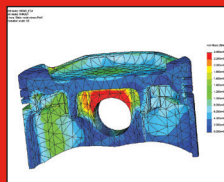


# OVER 7 DECADES OF RACING EXCELLENCE

*Today, JE Pistons is the largest manufacturer of custom forged and billet pistons tailored to your needs!*

In 1947, we opened our doors for one simple objective- to supply the racing community with the highest quality pistons and components in the market. Today, we continue to fulfill that promise and provide the shortest lead times and highest fill rates in the industry. JE is your resource for all your high performance piston needs!

JE uses the latest technology and partners with top race teams across the globe. But development doesn't stop there. From the latest manufacturing equipment to a fully staffed and monitored quality lab and R&D facility, you can be assured the product you receive is the best available.



JE Pistons is part of Race Winning Brands, a group of leading brands that develop the engine parts you want! With a major focus on R&D, our brands have dedicated R&D facilities and dynos so you know you are getting the best products for optimum performance in your car, dirt bike, ATV, v-twin or snowmobile. From pistons and connecting rods to electronics and gauges, RWB brands lead the way in the aftermarket!

## WARNING



This product contains chemicals known to the State of California to cause cancer and reproductive harm.  
[WWW.P65WARNINGS.CA.GOV](http://WWW.P65WARNINGS.CA.GOV)



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NOTICE: Due to the nature of performance applications, all JE Products are sold without any expressed warranty or any implied warranty of merchantability or fitness for a particular purpose. JE Pistons shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, damages or loss of other property or equipment, loss of profits or revenue, cost of purchased or replacement goods, or claims of customers of the purchaser which may arise and/or result from the sale, installation or use of these parts. JE Pistons reserves the right to make product improvements and changes without notice and without incurring liability with respect to similar products previously manufactured.

WARNING: Laws concerning this product vary from state to state. Your state may prohibit its use on public roads or restrict its use to novelty, show use, off-road areas, or race facility areas only. In some states off-road uses may also be prohibited. The manufacturer and retailer assume no responsibility for any use or application of this product in violation of any applicable law. Before installing this product on any vehicle that are fitted with emissions controls, please check your state, local laws and regulations.

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# JE PRO SERIES® PISTONS

## PRO SERIES® Pistons

JE "Pro Series®" Piston kits are available for demanding off-road applications and feature purpose-built forging designs that reduce overall piston weight without sacrificing strength or durability. Internal and external strut braces significantly reduce stress on critical areas while ultra-flat ring grooves improve ring seal for better, sustained performance. Get the performance of the top engine builders like Pro Circuit and Twisted Development with the durability required by weekend riders.

## JE Pistons

As the 4-stroke specialist, JE offers the original high performance forged piston for your 4-stroke engine. All JE Powersport Piston kits feature a high strength forging design, premium wrist pin, carbon steel wire locks and JE Pro Seal® Piston Rings. Like all JE Pistons, each one is designed, manufactured and inspected at our advanced manufacturing facility in the USA.

## COMPARE



FEATURES	JE PRO SERIES®	JE PISTONS
INTERNAL AND EXTERNAL BRACING	✓	
ULTRA-FLAT RING GROOVES	✓	
OPTIONAL 2 RING DESIGN	✓	
LOW FRICTION SKIRT	✓	
ULTRA LIGHT WEIGHT	✓	
PIN FIT	✓	✓
JE PRO SEAL RINGS INCLUDED	✓	✓
HAND DEBURRED	✓	✓
2618-T6 FORGING	✓	✓
FSR DESIGN	✓	✓
DLC PIN UPGRADE AVAILABLE	✓	✓

Easily find our Pro Series listings highlighted in YELLOW =



# JE ULTRA SERIES PISTONS



## THE STRONGEST PISTONS IN POWERSPORTS



### ← FEATURING ALIGNED GRAIN FLOW TECHNOLOGY

Ultra Series combines all our premium features and a revolutionary new forging technology into an off-the-shelf piston kit! This includes an Aligned Grain Flow Forging, a proprietary JE technology that aligns forging grain flow in critical areas to improve strength.

- Ultra Series technology has been expanded into Powersports with specially designed UTV, Sport Bike, and V-twin applications!
- Designed for Power: Every feature on Ultra Series Pistons are optimized to perform flawlessly in high horsepower racing engines. This includes lateral gas ports, thicker ring lands, and dual pin oiling.
- Aligned Grain Flow Forging: Exclusively available on JE Ultra Series, these optimized 2618 alloy forgings offer added strength over traditional 2618 forgings.
- "Perfect Skirt" Coating: This patented skirt coating reduces friction and provides a tighter clearance that eliminates cold-start slap and false knock on computer-controlled engines.
- Thermal Barrier Crown Coating: This ceramic-based coating reflects heat into the combustion chamber, therefore reducing piston crown temperatures and improving exhaust gas scavenging.
- 9310 Alloy Wrist Pins: These high strength, premium thick wall

Easily find our Ultra Series listings highlighted in gold =

NOTICE: Due to the nature of performance applications, all JE Products are sold without any expressed warranty or any implied warranty of merchantability or fitness for a particular purpose. JE Pistons shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, damages or loss of other property or equipment, loss of profits or revenue, cost of purchased or replacement goods, or claims of customers of the purchaser which may arise and/or result from the sale, installation or use of these parts. JE Pistons reserves the right to make product improvements and changes without notice and without incurring liability with respect to similar products previously manufactured.



*CUSTOM PISTONS*



# *CUSTOM FORGED PISTONS TAILORED TO YOUR BUILD*

JE has been at the forefront of custom forged racing piston technology for over **75 years** with experience in countless engine platforms and every aspect of racing. Whether it's a fun project or an all-out race engine, JE can make your piston dreams a reality.

- Forged or billet construction
- Designed specifically for you to achieve your power and durability goals
- Many coatings treatments are available – skirt coating, crown coatings, ring grooves, and pin bore anodizing and plating, and more
- Dozens of custom performance features available – 3D milling, gas porting, accumulator and contact reduction grooves, pin oiling, and more

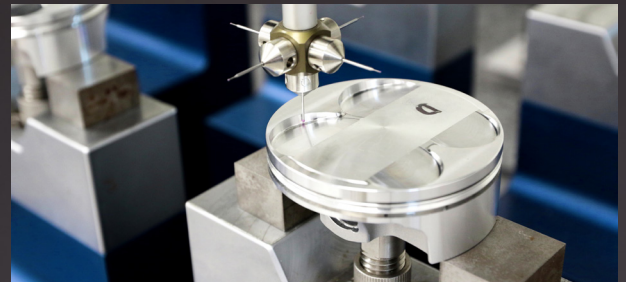




# CUSTOM PISTONS



For decades, JE Pistons has manufactured custom pistons for thousands of applications. JE Piston's in-house engineering and manufacturing centers can produce a custom piston for almost any 4-stroke engine. To order custom pistons, please use the Custom Piston Order Form located at the back of this catalog, or download one from our website. Custom pistons do not include pins, locks, or rings. Please see the components section of this catalog to select the proper components for your custom order.



[JEpistons.com/custom-pistons](http://JEpistons.com/custom-pistons)

MADE IN THE USA





# CUSTOM PISTONS

## APPLICATIONS INCLUDE:

NOTICE: All trademarks are property of their respective owners.

<b>Aprilia</b>	<b>CF Moto</b>	<b>Jawa</b>	<b>Radical</b>
<b>Arctic Cat</b>	<b>Ducati</b>	<b>Kawasaki</b>	<b>Royal Enfield</b>
<b>Beta</b>	<b>GasGas</b>	<b>KTM</b>	<b>Sherco</b>
<b>BMW</b>	<b>GM Speedway</b>	<b>Kymco</b>	<b>SSR</b>
<b>Bimota</b>	<b>Harley-Davidson</b>	<b>Moto Guzzi</b>	<b>Suzuki</b>
<b>BSA</b>	<b>Honda</b>	<b>MV Agusta</b>	<b>Triumph</b>
<b>Buell</b>	<b>Husqvarna</b>	<b>Norton</b>	<b>Yamaha</b>
<b>Can Am</b>	<b>Indian</b>	<b>Polaris</b>	<b>and more...</b>

## PISTON COATINGS

### THERMAL BARRIER CROWN COATING

Applied to the top of the piston and is designed to reflect heat into the combustion chamber, thereby increasing exhaust gas velocity and greatly improving scavenging potential. The .0015" thick coating can also assist in extending piston life by decreasing the rate of thermal transfer.

### TUFF SKIRT® COATING

JE Pistons' trademark coating that is a lubricating, anti-friction/anti-wear coating applied to the piston skirt only. Unlike our standard Skirt Coating, Tuff Skirt will not wear and is designed to withstand many different types of endurance applications, similar to those commonly found in NASCAR. Buildup is .0005" per surface and finished diameter of skirt should include the coating buildup.

### ANODIZED RING GROOVE COATING

Reduces wear and material transfer between the ring and groove. Shown to be very durable in maximum effort, high endurance applications. Appropriate manufacturing allowances apply.

### KOOLKOTE

Is an aerospace quality hard anodize applied to all surfaces of the piston with a buildup of .001. This coating is designed for use in nitro-methane engines such as Top Fuel Drag Racing to endure the corrosive effects of this type of fuel. It will withstand greater temperatures and will not flake, chip or peel. This coating does alter the heat transfer and expansion characteristics of the piston. Consult the JE Pistons technical department for specific applications. Manufacturing allowances are required on all surfaces.

### PERFECT SKIRT™

Perfect Skirt is a proprietary and patented skirt coating only offered by JE Pistons. Perfect Skirt is three-times thicker than traditional skirt coatings to allow racing pistons to have tighter piston-to-wall clearances similar to OEM applications. This decreases piston noise on startup and reduces cylinder bore wear. Additionally, this is beneficial for late-model engines, reducing the possibility of false knock sensor readings. Perfect Skirt will continuously conform to the shape of your cylinder's bore.

### EN PLATING

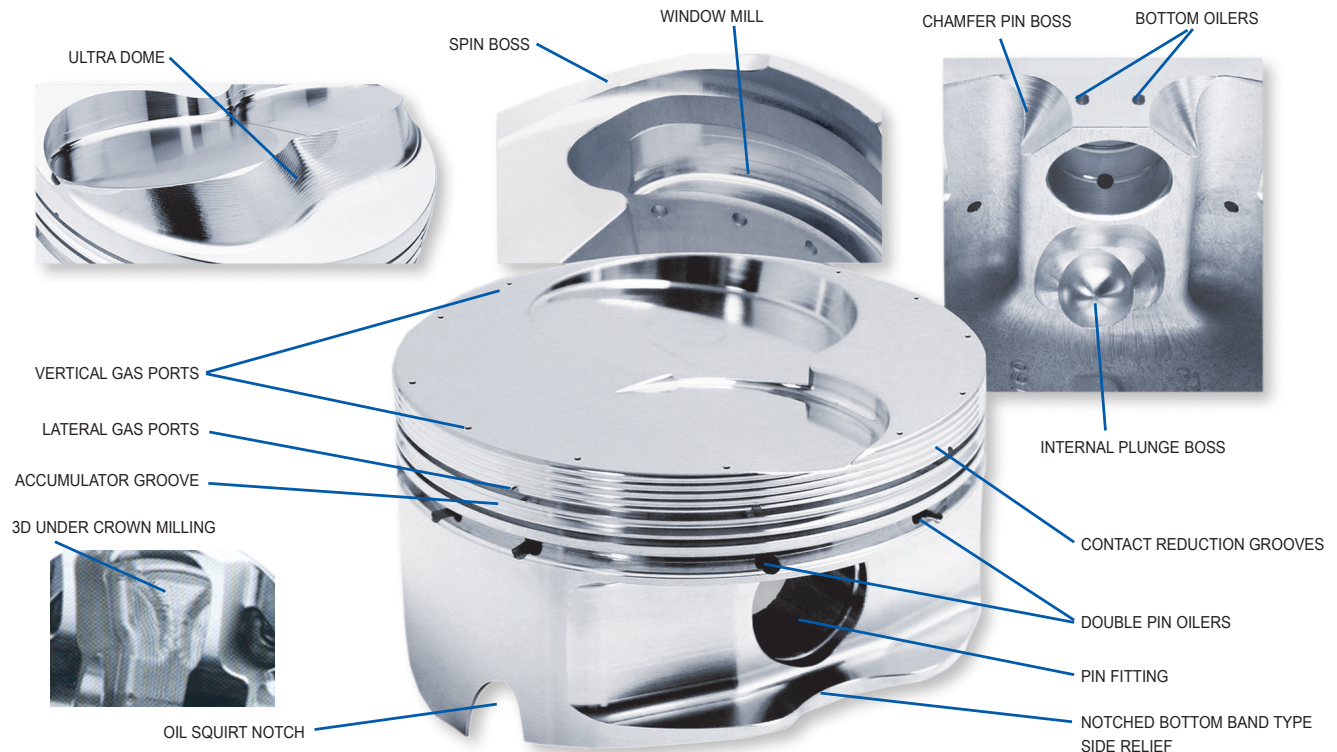
Help reduce pitting and piston ring micro welding caused by detonation with JE's Electroless Nickel plating. Unlike other metal plating that loses hardness and softens when exposed to heat, Electroless Nickel gets harder as it runs. The plating is applied to the piston domes, ring grooves, and wrist pin bore to provide a lower coefficient of friction, reduce ring blow-by, and increase detonation protection. In addition, Electroless Nickel reflects heat and allows domes to run up to 68 degrees cooler..





# STANDARD CUSTOM PISTON FEATURES

- Fully CNC Machined Piston
- Precision Machined CNC Ring Grooves
- 2618 Low-Silicon or optional 4032 High Silicon material available on some applications
- Diamond Turned Skirts
- Radiused Valve Reliefs
- Single Forced Pin Oilers
- Pick Lock Grooves (for use with wire locks)
- Machined Side Reliefs on full round forgings
- Lock Grooves Machined for Carbon Steel Spiro Locks (other options available)
- Engineered for your application!



**ULTRA CROWN DOME ULTRA CROWN INVERTED DOME:** The Ultra Crown machining process allows incredibly precise dome to cylinder head tolerances. By mapping the exact shape of a piston or cylinder head, optimum compression and quench characteristics can be achieved.

**3D UNDER CROWN MILLING:** The Under Crown machining process allows for uniform deck thickness, therefore creating a lighter and more durable piston.

**VERTICAL GAS PORTS:** Vertical holes in the deck of the piston, allows combustion pressure to directly enter behind the top ring on the power stroke, thus pressurizing the area behind the top ring for greater ring to cylinder wall seal. During the rest of the cycle, the ring has normal tension for reduced friction. (Most commonly used for drag race applications).

**LATERAL GAS PORTS:** This process mills slots into the top of the top ring groove and provides a pathway for combustion pressure to get behind the top ring. This process helps to increase ring seal and is most common in circle track applications.

**ULTRA GROOVE:** Ultra Groove is a special ring groove machining process that provides near perfect groove flatness and surface finish. Tolerances are held to millionths of an inch.

**PIN BOSS & WINDOW MILLING:** In certain applications window milling will remove a significant amount of weight from the skirt of the piston while maintaining its strength and integrity. Spin Boss refers to machining on the bottom of the pin boss, which removes weight where it is not needed for strength.

**PLUNGE BOSS & CHAMFER PIN BOSS:** Machining process that removes additional material for added weight savings.

**CONTACT REDUCTION GROOVES:** The purpose of machining these grooves is to reduce the amount of contact area against the cylinder wall when the piston "rocks over". Contact reduction also serves to disrupt the flame travel into the crevice area thus helping to reduce detonation.

**ACCUMULATOR GROOVES:** An accumulator groove is machined into the land between the top and second ring. It provides additional volume where residual combustion gases that have "blown by" the top ring can collect. This additional volume helps to reduce pressure between the top & second ring, thus aiding in top ring seal and minimizing ring flutter.

**DOUBLE PIN OILERS:** Double Pin Oilers deliver twice the amount of oil to the wrist pin as compared to the standard single pin oiler.

**PIN FITTING:** The pin bore is precision honed to attain an exact pin clearance. Clearances typically range from .0003 to .0010 between the wrist pin and pin bore.

**OIL SQUIRT NOTCH:** Notching can be done on pistons for motors with oil squirters, or to avoid contact between pistons and/or pistons and crankshaft.

**BOTTOM OILERS:** This process machines one or two holes into the bottom of the pin boss to assist in splash pin lubrication.

**TULIP VALVE POCKETS:** Most commonly used on Hemi and motorcycle engines, this process leaves a raised area on plunged valve pockets to achieve maximum compression.



THE #1 PISTON OF **TOP RACERS**



ROCKSTAR RACING

H.E.P. SUZUKI / PIPES MOTORSPORTS



MONSTER ENERGY/ PRO CIRCUIT KAWASAKI

**CHAMPIONS CHOOSE JE!**



KING RACING

CHIEF'S RACING TEAM





# STREET

Aprilia | Ducati | Honda | Kawasaki | Suzuki  
Triumph | Victory | Yamaha

As the leader in forged racing pistons, JE Pistons has applied over 75 years of experience to its wide range of premium forged pistons for sport bike and other motorcycle engines. Engineered, forged, and machined 100% in the USA, JE Pistons are designed for each specific engine and riding application to provide the ultimate combination of durability and performance. From the road course to the drag strip everything in between, JE Pistons' performance is proven with every handful of throttle and wave of the checkered flag.





Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>APRILIA</b>												
<b>2008-2013 APRILIA MANA</b>												
317220	839cc	88mm	STD	10.5:1	286	FSR	XC8800	866-2050-15-51C	866-063-MW	OEM	Deglaze Only	M
317221	839cc	88mm	STD	11.5:1	298	FSR	XC8800	866-2050-15-51C	866-063-MW	OEM	Deglaze Only	M
317222	878cc	90mm	+2mm	10.5:1	290	FSR	XC9000	866-2050-15-51C	866-063-MW	Call	Bore & Replate	M
317223	878cc	90mm	+2mm	11.5:1	302	FSR	XC9000	866-2050-15-51C	866-063-MW	Call	Bore & Replate	M
<b>BMW</b>												
<b>2014 S1000RR</b>												
371970	999cc	80mm	STD	13.5:1	217	FSR	XG8000	669-2050-15-93C	669-050-MW	OEM	Deglaze Only	
<b>DUCATI</b>												
<b>1991-2002 900SS</b>												
157597	900cc	92mm	STD	11.5:1	361	Round	XC9200	748-2250-14-95C	748-050-MW	OEM	Deglaze Only	
157598	944cc	94mm	+2mm	11.5:1	396	Round	XC9400	748-2250-14-95C	748-050-MW	Call	Bore & Replate	
<b>1994-1996 916 - 4V - 20MM PIN</b>												
130590	955cc	96mm	+2mm	12.0:1	327	Round	J62001-3780	787-2500-12-51C	787-050-MW	JC8564	Bore & Replate	M
<b>HONDA</b>												
<b>2011-2013 CBR 250R / 2013-2016 CRF 250L</b>												
308446	250cc	76mm	STD	10.7:1	184	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	M
308447	250cc	76mm	STD	11.0:1	188	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
308448	256cc	77mm	+1mm	11.0:1	195	FSR	XU7700	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	M
308449	262cc	78mm	+2mm	11.0:1	197	FSR	XG7800	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	M
308450	297cc	83mm	+7mm	11.0:1	222	FSR	XG8300	669-1650-14-TTC	669-050-MW	Call	Sleeve	M
<b>2013-2020 CBR 500R / 2017-2018 CMX 500 / 2013-2020 CB 500 / 2013-2019 CB 500F / 2013-2020 CB 500X</b>												
371971	500cc	67mm	STD	12.0:1	145	FSR	XA6700	630-1650-14-TTC	630-050-MW	OEM	Deglaze Only	
<b>1990-1998 CBR 600F2/F3</b>												
144537	600cc	66mm	+1mm			Round	XA6600	669-2050-11-52C		JC8265	Bore & Hone	M
144538	637cc	67mm	+2mm	13.5:1	150	Round	XA6700	669-2050-11-52C	669-050-MW	JC8265	Bore & Hone	M
<b>2003-2006 CBR 600RR</b>												
255735	600cc	67mm	STD	13.5:1	128	FSR	XA6700	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
222115	636cc	69mm	+2mm	13.5:1	138	FSR	XA6900	630-1650-12-93C	630-050-MW	JC8706	Bore & Replate	M
<b>2007-2020 CBR 600RR / 2009-2020 CBR 600 RA</b>												
262276	600cc	67mm	STD	12.6:1	135	FSR	XA6700	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
274099	618cc	68mm	+1mm	13.5:1	140	FSR	XA6800	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
262277	636cc	69mm	+2mm	13.5:1	143	FSR	XA6900	591-1650-14-TTC	591-040-MW	JC8706	Bore & Replate	

Footnotes | Q = Mini Sprint Kit, L = Limited Availability, T = Accepts Turbo and Nitrous, Y = Pro Mod, M = Made to Order, \* = Fits 1mm oversize valves  
 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA CONTINUED</b>												
<b>1988-1991 HAWK 650NT</b>												
157589	696cc	82mm	+3mm	11.0:1	276	Round	XC8200	787-2250-11-93C	787-050-MW	JC8207	Bore & Hone	M
<b>1969-1978 CB 750 - SINGLE CAM</b>												
144539	836cc	65mm	+3mm	10.5:1	151	Round	XC6500	591-2050-11-51C	591-040-MW	JC8397	Bore & Hone	
149295	836cc	65mm	+3mm	12.5:1	166	Round	XC6500	591-2050-10-52C	591-040-MW	JC8397	Bore & Hone	
<b>1992-1995 CBR 900RR</b>												
138979	945cc	72mm	+2mm	12.0:1	175	Round	XA7200	669-2050-11-52C	669-050-MW	JC8267	Bore & Hone	M
157587	997cc	74mm	+4mm	12.0:1	184	Round	XA7400	669-2050-11-52C	669-050-MW	JC8268	Call	M
<b>1996-1999 CBR 900RR</b>												
138979	945cc	72mm	+1mm	12.0:1	175	Round	XA7200	669-2050-11-52C	669-050-MW	JC8267	Bore & Hone	M
157587	997cc	74mm	+3mm	12.0:1	184	Round	XA7400	669-2050-11-52C	669-050-MW	JC8268	Call	M
<b>2000-2001 CBR 929RR</b>												
222114	954cc	75mm	+1mm	12.5:1	171	FSR	XG7500	669-1650-14-TTC	669-050-MW	JC8568	Bore & Replate	
<b>2002-2004 CBR 954RR</b>												
222114	954cc	75mm	STD	12.5:1	171	FSR	XG7500	669-1650-14-TTC	669-050-MW	JC8568	Deglaze Only	
<b>2000-2006 RC 51 (RVT1000R)</b>												
184333	999cc	100mm	STD	11.1:1	372	FSR	OEM NOT INCLUDED	905-2050-15-52C	905-073-MW	JC8569	Deglaze Only	
<b>1997-2001 VTR 1000</b>												
149139	996cc	98mm	STD	11.5:1	385	Round	13011-MBB-305	945-2500-14-51C	945-073-MW	OEM	Deglaze Only	
<b>2004-2007 CBR 1000RR</b>												
222118	998cc	75mm	STD	13.5:1	177	FSR	XG7500	669-1650-14-TTC	669-050-MW	JC8702	Deglaze Only	
222117	1053cc	77mm	+2mm	13.5:1	188	FSR	XU7700	669-1650-14-TTC	669-050-MW	JC8703	Bore & Replate	
<b>2008-2013 CBR 1000RR - AMA HOMOLOGATED SPEC PISTON - *HEAD MODIFICATION NEEDED</b>												
271426*	999cc	76mm	STD	13.5:1	179	Billet	OEM (NOT INCLUDED)	669-1650-14-TTC	669-050-MW		Deglaze Only	M
<b>2008-2016 CBR 1000RR / 2008-2016 CBR 1000RA</b>												
274082	999cc	76mm	STD	13.5:1	184	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
300214	1026cc	77mm	+1mm	13.5:1	189	FSR	XU7700	669-1650-14-TTC	669-050-MW	N/A	Bore & Replate	
274083	1052cc	78mm	+2mm	13.5:1	195	FSR	XG7800	669-1650-14-TTC	669-050-MW	N/A	Bore & Replate	
<b>2017-2020 CBR 1000RA / CBR 1000RR</b>												
378841	999cc	76mm	STD	13.0:1	176	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
<b>1997-2003 CBR 1100XX</b>												
153766	1195cc	81mm	+2mm	11.5:1	220	Round	XG8100	748-2250-12-TSC	748-050-MW	JC8499	Bore & Replate	

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA CONTINUED</b>												
<b>2003-2013 VTX 1300</b>												
321502	1312cc	89.5mm	STD	10.0:1	303	Round	XC8950	787-2250-12-51C	787-050-MW	OEM	Deglaze Only	M
321503	1312cc	89.5mm	STD	11.0:1	307	Round	XC8950	787-2250-12-51C	787-050-MW	OEM	Deglaze Only	M
321504	1327cc	90mm	+.5mm	10.0:1	305	Round	XC9000	787-2250-12-51C	787-050-MW	Call	Bore & Replate	M
321505	1327cc	90mm	+.5mm	11.0:1	309	Round	XC9000	787-2250-12-51C	787-050-MW	Call	Bore & Replate	M
<b>2002-2008 VTX 1800</b>												
317225	1795cc	101mm	STD	8.0:1	353	Round	XS10100	945-2500-14-51C	945-073-MW	Call	Deglaze Only	M
317226	1795cc	101mm	STD	11.0:1	392	Round	XS10100	945-2500-14-51C	945-073-MW	Call	Deglaze Only	M
<b>KAWASAKI</b>												
<b>1987-2007 NINJA 250R</b>												
317554	249cc	62mm	STD	12.0:1	136	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	M
317555	249cc	62mm	STD	12.5:1	138	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	M
317556	249cc	62mm	STD	13.0:1	139	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	M
317557	265cc	64mm	+2mm	12.5:1	150	Round	XA6400	630-1750-12-93C	630-050-MW	Call	Bore & Replate	M
317558	265cc	64mm	+2mm	13.5:1	152	Round	XA6400	630-1750-12-93C	630-050-MW	Call	Bore & Replate	M
317559	282cc	66mm	+4mm	12.5:1	140	FSR	XA6600	630-1750-12-93C	630-050-MW	Call	Sleeve	M
317561	282cc	66mm	+4mm	13.5:1	141	FSR	XA6600	630-1750-12-93C	630-050-MW	Call	Sleeve	M
<b>2008-2012 NINJA 250R (NORTH AMERICA) / 2008-2014 NINJA 250R (INTERNATIONAL)</b>												
284686	249cc	62mm	STD	12.0:1	134	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	
284687	249cc	62mm	STD	12.5:1	136	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	
284688	249cc	62mm	STD	13.0:1	137	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	
292754	265cc	64mm	+2mm	12.5:1	148	Round	XA6400	630-1750-12-93C	630-050-MW	Call	Bore & Replate	
300173	265cc	64mm	+2mm	13.5:1	150	Round	XA6400	630-1750-12-93C	630-050-MW	Call	Bore & Replate	
292755	282cc	66mm	+4mm	12.5:1	138	FSR	XA6600	630-1650-12-93C	630-050-MW	Call	Sleeve	
300174	282cc	66mm	+4mm	13.5:1	139	FSR	XA6600	630-1650-12-93C	630-050-MW	Call	Sleeve	
<b>2008-2012 NINJA 250R (NORTH AMERICA) / 2008-2014 NINJA 250R (INTERNATIONAL) - 2 RING</b>												
308452	249cc	62mm	STD	13.0:1	131	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	
308453	265cc	64mm	+2mm	13.5:1	139	Round	XA6400	630-1750-12-93C	630-050-MW	Call	Bore & Replate	
<b>2013-2017 NINJA 300 / 2013-2017 NINJA 300 ABS / 2017-2020 VERSYS-X 300</b>												
374023	300cc	62mm	STD	12.5:1	135	Round	XA6200	630-1750-12-93C	630-050-MW	OEM	Deglaze Only	
<b>2021-2023 NINJA 400</b>												
393421	400cc	70mm	STD	12.3:1		FSR	XA7000	669-1500-14-TTC	669-050-MW	OEM	Deglaze Only	
393422	421cc	72mm	+2mm	12.3:1		FSR	XA7200	669-1500-14-TTC	669-050-MW	Call	Bore & Replate	M

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI CONTINUED</b>												
<b>2003-06 ZX6R</b>												
247622	636cc	68mm	STD	13.2:1	134	FSR	XA6800	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
317207	654cc	69mm	+1mm	13.5:1	139	FSR	XA6900	630-1650-14-TTC	630-050-MW	Call	Bore & Replate	M
317208	674cc	70mm	+2mm	13.5:1	144	FSR	XA7000	630-1650-12-93C	630-050-MW	Call	Bore & Replate	M
<b>2007-2008 ZX6R</b>												
299042	599cc	67mm	STD	13.5:1	129	FSR	XA6700	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
299043	635cc	69mm	+2mm	13.5:1	135	FSR	XA6900	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
<b>2009-2020 ZX6R / 2013-2020 ZX6R ABS</b>												
292756	599cc	67mm	STD	13.5:1	129	FSR	XA6700	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
292757	617cc	68mm	+1mm	13.5:1	134	FSR	XA6800	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
292758	635cc	69mm	+2mm	13.5:1	135	FSR	XA6900	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
<b>2006-2012 NINJA 650 R / ER6 / 2007-2012 VERSYS</b>												
284691	649cc	83mm	STD	12.5:1	223	FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
284692	649cc	83mm	STD	13.5:1	222	FSR	XG8300	748-2050-14-93C	748-050-MW	Call	Deglaze Only	
<b>2006-2012 NINJA 650 R / ER6 / 2007-2012 VERSYS - 2 RING</b>												
308454	649cc	83mm	STD	13.5:1	218	FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
308455	665cc	84mm	+1mm	13.5:1	226	FSR	JG1001-3307	748-2050-14-93C	748-050-MW	Call	Bore & Hone	M
<b>2013-2016 NINJA 650 / 2013-2014 VERSYS</b>												
378823	649cc	83mm	STD	10.8:1	Call	FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
378824	649cc	83mm	STD	12.0:1	Call	FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
<b>2017-2020 NINJA 650 / 2017-2020 Z650</b>												
378825	649cc	83mm	STD	10.8:1	223	FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
378826	649cc	83mm	STD	12.0:1		FSR	XG8300	748-2050-14-93C	748-050-MW	OEM	Deglaze Only	
<b>1991-1995 ZX7R</b>												
153764	770cc	72mm	+1mm	12.0:1	180	Round	XA7200	708-2050-10-93C	708-050-MW	JC8274	Bore & Hone	M
<b>1996-2003 ZX7R, 1996 750RR</b>												
149299	770cc	74mm	+1mm	13.0:1	188	Round	XA7400	708-2050-10-93C	708-050-MW	JC8428	Bore & Hone	
<b>1994-1997 ZX9R</b>												
156026	924cc	74mm	+1mm	13.0:1	188	Round	XA7400	708-2050-12-93C	708-050-MW	JC8272	Bore & Hone	M
<b>1998-2003 ZX9R (FLAT TOP)</b>												
157592	936cc	76.5mm	+1.5mm	12.0:1	208	Round	XG7650	708-2050-12-93C	708-050-MW	JC8515	Bore & Hone	M
<b>KZ 900/1000 ALL - EXCEPT "J" MODEL</b>												
137712	1015cc	70mm	STD	10.25:1	193	Round	XC7000	669-2050-12-51C	669-050-MW	OEM	Bore & Hone	
125083	1075cc	72mm	+2mm	8.5:1	195	Round	XC7200	669-2250-11-52C	669-050-MW	JC8154	Bore & Hone	M
125473	1075cc	72mm	+2mm	10.25:1	201	Round	XC7200	669-2050-12-51C	669-050-MW	JC8154	Bore & Hone	
132493	1200cc	76mm	+6mm	10.25:1	220	Round	XC7600	669-2250-12-51C	669-050-MW	JC8158	JE3200	M

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI CONTINUED</b>												
<b>1997-2001 ZRX 1100, 1990-2001 ZZR, 1995-1996 GPZ 1100</b>												
253283	1080cc	77mm	+1mm	12.0:1	215	Round	XG7700	708-2250-10-52C	708-050-MW	JC8603	Bore & Hone	
253284	1109cc	78mm	+2mm	12.0:1	215	Round	XG7800	708-2250-10-52C	708-050-MW	JC8273	Bore & Hone	
<b>2004-2007 ZX10R</b>												
222111	998cc	76mm	STD	13.5:1	175	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
222112	1051cc	78mm	+2mm	13.5:1	183	FSR	XG7800	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	
247931	1078cc	79mm	+3mm	13.5:1	185	FSR	XG7900	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	
<b>2008-2015 ZX10R</b>												
284718	998cc	76mm	STD	13.5:1	178	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
284719	1051cc	78mm	+2mm	13.5:1	186	FSR	XG7800	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	
284720	1078cc	79mm	+3mm	13.5:1	192	FSR	XG7900	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	
<b>2016-2018 ZX10R</b>												
378828	998cc	76mm	STD	13.5:1	Call	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
378829	1051cc	78mm	+2mm	13.5:1	Call	FSR	XG7800	669-1650-14-PTC	669-050-MW	Call	Bore & Replate	
378830	1078cc	79mm	+3mm	13.5:1	Call	FSR	XG7900	669-1650-14-PTC	669-050-MW	Call	Bore & Replate	
<b>2019-2020 ZX10R/ZX10RR</b>												
378831	998cc	76mm	STD	13.5:1	166	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
378832	1051cc	78mm	+2mm	13.5:1	Call	FSR	XG7800	669-1650-14-PTC	669-050-MW	Call	Bore & Replate	
378833	1078cc	79mm	+3mm	13.5:1	Call	FSR	XG7900	669-1650-14-PTC	669-050-MW	Call	Bore & Replate	
<b>1990-2000 ZX11</b>												
253283	1080cc	77mm	+1mm	12.0:1	215	Round	XG7700	708-2250-10-52C	708-050-MW	JC8603	Bore & Hone	
253284	1109cc	78mm	+2mm	12.0:1	215	Round	XG7800	708-2250-10-52C	708-050-MW	JC8358	Bore & Hone	
<b>2001-2006 ZRX1200</b>												
284694	1164cc	79mm	STD	8.5:1	234	Round	XG7900	748-2250-14-95C	748-050-MW	OEM	Deglaze Only	
284695	1164cc	79mm	STD	12.5:1	224	Round	XG7900	748-2250-14-95C	748-050-MW	OEM	Deglaze Only	
284696	1224cc	81mm	+2mm	12.5:1	236	Round	XG8100	748-2250-14-95C	748-050-MW	N/A	Bore & Hone	
<b>2000-2005 ZX12R</b>												
222108	1198cc	83mm	STD	9.8:1	229	Round	XG8300	827-2250-15-93C	827-063-MW	JC8642	Deglaze Only	
261533	1198cc	83mm	STD	13.0:1	234	FSR	XG8300	827-2050-12-93C	827-050-MW	JC8642	Deglaze Only	
192315	1287cc	86mm	+3mm	13.0:1	260	FSR	XC8600	827-2050-12-93C	827-063-MW	JC8641	Bore & Replate	
<b>2006-2011 ZX14</b>												
247619	1352cc	84mm	STD	13.5:1	232	FSR	OEM (Not Incl)	787-2050-14-93C	787-050-MW	OEM	Deglaze Only	
247620	1352cc	84mm	STD	9.5:1	248	Round	OEM (Not Incl)	787-2250-18-TTC	787-050-MW	OEM	Deglaze Only	

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI CONTINUED</b>												
325016	1352cc	84mm	STD	12.5:1	237	FSR	OEM (Not Incl)	787-2050-14-93C	787-050-MW	OEM	Deglaze Only	
247621	1417cc	86mm	+2mm	13.5:1	245	FSR	XR8600	787-2050-14-93C	787-050-MW	Call	Bore & Replate	
308401	1417cc	86mm	+2mm	14.0:1	247	FSR	XR8600	787-2050-14-93C	787-050-MW	Call	Bore & Replate	M
308400	1449cc	87mm	+3mm	14.0:1	248	FSR	JG1001-3425	787-2050-14-93C	787-050-MW	Call	Bore & Replate	M
<b>2006-2011 ZX14 ULTRA SERIES</b>												
379432	1352cc	84mm	STD	9.5:1	Call	FSR	JG1001-3307	787-2250-18-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379433	1352cc	84mm	STD	13.5:1	Call	FSR	JG1001-3307	787-2250-18-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379434	1417cc	86mm	+2mm	13.5:1	Call	FSR	XR8600	787-2250-18-93C	787-050-MW	Call	Bore & Replate	ULTRA
<b>2012-2023 ZX14</b>												
247619	1352cc	84mm	STD	14.1:1	232	FSR	OEM (Not Incl)	787-2050-14-93C	787-050-MW	OEM	Deglaze Only	
247620	1352cc	84mm	STD	10.1:1	248	Round	OEM (Not Incl)	787-2250-18-TTC	787-050-MW	OEM	Deglaze Only	
325016	1352cc	84mm	STD	13.1:1	237	FSR	OEM (Not Incl)	787-2050-14-93C	787-050-MW	OEM	Deglaze Only	
247621	1417cc	86mm	+2mm	14.1:1	245	FSR	XR8600	787-2050-14-93C	787-050-MW	Call	Bore & Replate	
308401	1417cc	86mm	+2mm	14.6:1	247	FSR	XR8600	787-2050-14-93C	787-050-MW	Call	Bore & Replate	M
308400	1449cc	87mm	+3mm	14.6:1	248	FSR	JG1001-3425	787-2050-14-93C	787-050-MW	Call	Bore & Replate	M
<b>2012-2023 ZX14 ULTRA SERIES</b>												
379432	1352cc	84mm	STD	10.1:1	Call	FSR	JG1001-3307	787-2250-18-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379433	1352cc	84mm	STD	14.1:1	Call	FSR	JG1001-3307	787-2250-18-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379434	1417cc	86mm	+2mm	14.1:1	Call	FSR	XR8600	787-2250-18-93C	787-050-MW	Call	Bore & Replate	ULTRA
<b>SUZUKI</b>												
<b>2001-2003 GSXR 600</b>												
222107	617cc	68mm	+1mm	12.5:1	137	FSR	XA6800	551-1650-12-93C	551-040-MW	JC8644	Bore & Replate	
222106	636cc	69mm	+2mm	13.0:1	141	FSR	XA6900	551-1650-12-93C	551-040-MW	JC8645	Bore & Replate	M
<b>2004-2005 GSXR 600</b>												
222386	636cc	69mm	+2mm	13.0:1	134	FSR	XA6900	551-1650-12-93C	551-040-MW	Call	Bore & Replate	M
<b>2006-2007 GSXR 600</b>												
255720	636cc	69mm	+2mm	13.0:1	143	FSR	XA6900	551-1650-12-93C	551-040-MW	Call	Bore & Replate	
<b>2008-2019 GSXR 600</b>												
308644	599cc	67mm	STD	13.0:1	136	FSR	XA6700	551-1650-12-93C	551-040-MW	OEM	Deglaze Only	M
308645	636cc	69mm	+2mm	13.2:1	141	FSR	XA6900	551-1650-12-93C	551-040-MW	Call	Bore & Replate	
<b>1999-2010 SV 650 / DL650 2007-2009 &amp; 2011</b>												
324924	650cc	81mm	STD	12.0:1	223	FSR	XC8100	787-2050-10-93C	787-050-MW	OEM	Deglaze Only	
324925	650cc	81mm	STD	13.0:1	225	FSR	XC8100	787-2050-10-93C	787-050-MW	OEM	Deglaze Only	
169253	677cc	83mm	+2mm	13.0:1	238	Round	XC8300	787-2250-11-93C	787-050-MW	JC8600	Bore and Hone	
284698	677cc	83mm	+2mm	13.0:1	224	FSR	XG8300	787-2050-10-93C	787-050-MW	JC8600	Bore and Hone	

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
<b>1990-1992 GSXR 750</b>												
157594	955cc	79mm	+9mm	12.0:1	218	Round	XC7900	708-2050-12-93C	708-050-MW	JC8463	JE3275*	M
<b>1993-1995 GSXR 750 (WATERCOOLED)</b>												
138983	907cc	77mm	+7mm	13.0:1	196	Round	XG7700	708-2250-10-52C	708-050-MW	JC8338	JE3200S	M
<b>2000-2003 GSXR 750</b>												
222103	812cc	75mm	+3mm	12.5:1	172	FSR	XG7500	591-1650-14-TTC	591-040-MW	JC8214	Bore & Replate	L
<b>1994-1997 RF 900</b>												
146197	990cc	75mm	+2mm	12.5:1	188	Round	XC7500	748-2050-14-93C	748-050-MW	JC8337	Bore & Hone	M
<b>2001-2004 GSXR 1000</b>												
222105*	988cc	73mm	STD	9.8:1	182	Round	XA7300	630-2050-14-95C	630-050-MW	JC0001	Deglaze Only	T,**
215817	988cc	73mm	STD	13.5:1	156	FSR	XA7300	630-1650-14-TTC	630-050-MW	JC8574	Deglaze Only	
213919	1042cc	75mm	+2mm	13.5:1	162	FSR	XG7500	630-1650-14-TTC	630-050-MW	JC8214	Bore & Replate	
325020	1070cc	76mm	+3mm	10.0:1	191	Round	XG7600	630-2050-14-95C	630-050-MW	JC8602	Bore & Replate	
192322	1070cc	76mm	+3mm	13.5:1	180	Round	XG7600	630-2050-14-95C	630-050-MW	JC8602	Bore & Replate	
221407	1070cc	76mm	+3mm	13.5:1	177	FSR	XG7600	630-1650-14-TTC	630-050-MW	JC8602	Bore & Replate	
<b>*MUST USE JC0001 GASKET</b>												
<b>2005-2008 GSXR 1000</b>												
254555*	998cc	73.4mm	STD	10.1:1	179	FSR	OEM - 12140-41G00	591-1650-14-TTC	591-040-MW	JC0001	Deglaze Only	T,**
317224	988cc	73.4mm	STD	12.5:1	158	FSR	OEM - 12140-41G00	591-1650-14-TTC	591-040-MW	OEM	Bore & Replate	M
247628	998cc	73.4mm	STD	13.8:1	158	FSR	OEM - 12140-41G00	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
247629	1043cc	75mm	+1.6mm	13.5:1	167	FSR	XG7500	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
247631	1070cc	76mm	+2.6mm	13.5:1	173	FSR	XG7600	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
<b>*MUST USE JC0001 GASKET</b>												
<b>2009-2011 GSXR 1000</b>												
284700	999cc	74.5mm	STD	10.1:1	180	FSR	XA7450	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	T
284701	999cc	74.5mm	STD	13.8:1	171	FSR	XA7450	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
284702	1053cc	76.5mm	+2mm	13.8:1	183	FSR	XG7650	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
<b>2012-2016 GSXR 1000</b>												
393230	999cc	74.5mm	STD	10.1:1	Call	FSR	XA7450	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
393231	999cc	74.5mm	STD	13.8:1	Call	FSR	XA7450	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
393232	1053cc	76.5mm	+2mm	13.8:1	Call	FSR	XG7650	591-1650-14-TTC	591-040-MW	Call	Bore replate	M
<b>2017-2020 GSXR 1000</b>												
378836	1000cc	76mm	STD	12.5:1	Call	FSR	XG7600	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	NITROUS
378837	1000cc	76mm	STD	13.5:1	Call	FSR	XG7600	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
378838	1000cc	76mm	STD	14.0:1	Call	FSR	XG7600	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
378839	1053cc	78mm	+2mm	14.5:1	Call	FSR	XG7800	630-1650-12-93C	630-050-MW	Call	Bore replate	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
<b>1998-2003 TL1000R</b>												
317204	996cc	98mm	STD	13.0:1	338	FSR	XS9800	866-2050-18-51C	866-063-MW	Call	Deglaze Only	M
317205	1036cc	100mm	+2mm	13.0:1	346	FSR	JG3701-3937	866-2050-18-51C	866-063-MW	Call	Bore and replate	M
<b>1981-1983 GS 1100</b>												
125491	1134cc	74mm	+2mm	10.25:1	210	Round	XC7400	708-2250-12-51C	708-050-MW	JC8164	Bore & Hone	M
125490	1170cc	75mm	+3mm	10.25:1	218	Round	XC7500	708-2250-12-51C	708-050-MW	JC8031	Bore & Hone	
128324	1260cc	78mm	+6mm	10.5:1	232	Round	XC7800	708-2250-12-51C	708-050-MW	JC8166	JE3275	M
130299	1260cc	78mm	+6mm	13.5:1	239	Round	XC7800	708-2250-12-TSC	708-050-MW	JC8166	JE3275	M
127402	1295cc	79mm	+7mm	13.5:1	227	Round	XC7900	708-2250-10-52C	708-050-MW	JC8167	JE3350	M
129310	1327cc	80mm	+8mm	11.0:1	237	Round	XC8000	708-2250-12-51C	708-050-MW	JC8168	JE3350	M
130301	1394cc	82mm	+10mm	13.5:1	247	Round	XC8200	708-2250-12-TSC	708-050-MW	JC8169	JE3450	M
129313	1428cc	83mm	+11mm	11.7:1	254	Round	XC8300	708-2250-12-51C	708-050-MW	JC8170	JE3450	M
135635	1428cc	83mm	+11mm	12.0:1	302	Round	XC8300	708-2350-18-PTC	708-050-MW	JC8170	JE3450	
130302	1428cc	83mm	+11mm	13.5:1	248	Round	XC8300	708-2250-12-TSC	708-050-MW	JC8170	JE3450	Y
129315	1500cc	85mm	+13mm	12.0:1	263	Round	XC8500	708-2250-12-TSC	708-050-MW	JC8187	JE3600	M
138271	1500cc	85mm	+13mm	14.0:1	272	Round	XC8500	708-2250-14-93C	708-050-MW	JC8187	JE3600	
190680	1500cc	85mm	+13mm	12.5:1	299	Round	XC8500	708-2250-18-TTC	708-050-MW	JC8187	JE3600	Y
146085	1570cc	87mm	+14mm	15.0:1	298	Round	XC8700	708-2250-14-93C	708-050-MW	JC8171	JE3600	
<b>1986-1988 GSXR 1100 / 1988-1992 GSXR 1100F KATANA / BANDIT</b>												
129855	1127cc	78mm	STD	13.0:1	232	Round	XC7800	787-2250-11-93C	787-050-MW	JC8322	Deglaze Only	
127641	1186cc	80mm	+2mm	13.0:1	234	Round	XC8000	787-2250-11-93C	787-050-MW	JC8368	Bore & Hone	M
155544	1201cc	80.5mm	+2.5mm	13.0:1	233	Round	XC8050	787-2250-11-93C	787-050-MW	JC8279	Bore & Hone	M
127642	1216cc	81mm	+3mm	13.0:1	234	Round	XC8100	787-2250-11-93C	787-050-MW	JC8279	Bore & Hone	
201165	1216cc	81mm	+3mm	11.0:1	235	Round	XC8100	787-2250-11-93C	787-050-MW	JC8279	Bore & Hone	
128885	1246cc	82mm	+4mm	13.0:1	238	Round	XC8200	787-2250-11-93C	787-050-MW	JC8391	JE3450	
127643	1277cc	83mm	+5mm	13.0:1	236	Round	XC8300	787-2250-11-93C	787-050-MW	JC8323	JE3450	M
127644	1340cc	85mm	+7mm	13.0:1	251	Round	XC8500	787-2250-11-93C	787-050-MW	JC8340	JE3550-4	M
130894	1340cc	85mm	+7mm	15.0:1	248	Round	XC8500	787-2250-11-93C	787-050-MW	JC8340	JE3550-4	M
127645	1371cc	86mm	+8mm	13.0:1	258	Round	XC8600	787-2250-11-93C	787-050-MW	JC8604	JE3550-4	
128490	1371cc	86mm	+8mm	13.5:1	266	Round	XC8600	787-2250-11-93C	787-050-MW	JC8604	JE3550-4	
<b>1993-1998 GSXR 1100W</b>												
131367	1117cc	77mm	+1.5mm	12.3:1	219	Round	XG7700	787-2250-11-93C	787-050-MW	JC8280	Bore & Hone	
155930	1146cc	78mm	+2.5mm	12.8:1	227	Round	XG7800	787-2250-11-93C	787-050-MW	JC8478	Bore & Hone	
129682	1195cc	79.5mm	+4mm	13.0:1	222	Round	XG7950	787-2250-11-93C	787-050-MW	JC8281	JE3290	M
<b>1984-1986 GS 1150</b>												
134355	1327cc	80mm	+6mm	11.0:1	232	Round	XC8000	787-2250-18-51C	787-050-MW	JC8168	JE3450	M

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
140457	1428cc	83mm	+9mm	12.0:1	296	Round	XC8300	787-2350-18-PTC	787-050-MW	JC8170	JE3450	Y,M
134360	1428cc	83mm	+9mm	13.5:1	256	Round	XC8300	787-2250-11-93C	787-050-MW	JC8170	JE3450	M
138329	1500cc	85mm	+11mm	14.0:1	263	Round	XC8500	787-2250-14-93C	787-050-MW	JC8187	JE3600	M
<b>1999-2007 GSX 1300R</b>												
262286	1299cc	81mm	STD	13.5:1	241	Round	JG1001-3189	787-2250-14-93C	787-050-MW	JC8656	Deglaze Only	
167679	1299cc	81mm	STD	12.3:1	234	Round	XG8100	787-2250-11-93C	787-050-MW	JC8656	Deglaze Only	
167680	1363cc	83mm	+2mm	12.5:1	248	Round	XG8300	787-2250-11-93C	787-050-MW	JC8497	Bore & Replate	
172945	1397cc	84mm	+3mm	12.8:1	244	Round	JG1001-3307	787-2250-11-93C	787-050-MW	JC8621	Bore & Replate	
262287	1397cc	84mm	+3mm	13.5:1	234	FSR	JG1001-3307	787-2050-14-93C	787-050-MW	JC8621	Bore & Replate	
222101	1429cc	85mm	+4mm	12.5:1	249	Round	JG1001-3346	787-2250-11-93C	787-050-MW	JC8622	Bore & Replate	
262288	1429cc	85mm	+4mm	13.5:1	241	FSR	JG1001-3346	787-2050-14-93C	787-050-MW	JC8622	Bore & Replate	
<b>1999-2007 GSX 1300R ULTRA SERIES</b>												
379435	1299cc	81mm	STD	13.5:1	256	FSR	JG1001-3189	787-2250-21-93C	787-050-MW	JC8656	Deglaze Only	ULTRA
379436	1330cc	82mm	+1mm	13.5:1	262	FSR	JG1001-3228	787-2250-21-93C	787-050-MW		Bore & Replate	ULTRA
379437	1363cc	83mm	+2mm	13.5:1	264	FSR	JG1001-3268	787-2250-21-93C	787-050-MW	JC8497	Bore & Replate	ULTRA
379438	1397cc	84mm	+3mm	13.5:1	266	FSR	JG1001-3307	787-2250-21-93C	787-050-MW	JC8621	Bore & Replate	ULTRA
379439	1429cc	85mm	+4mm	13.5:1	268	FSR	JG1001-3346	787-2250-21-93C	787-050-MW	JC8622	Bore & Replate	ULTRA
<b>1999-2007 GSX 1300R - TURBO TALL DECK - .080" BASE SPACER NEEDED</b>												
213918	1299cc	81mm	STD	8.7:1	222	Round	XG8100	787-2250-14-93C	787-050-MW	JC8656	Deglaze Only	M, T
222102	1363cc	83mm	+2mm	8.7:1	234	Round	JG1001-3268	787-2250-14-93C	787-050-MW	JC8497	Bore & Replate	M, T, 6
<b>1999-2007 GSX 1300R - TURBO TALL DECK - .080" BASE SPACER NEEDED / "BIG BOOST" APPLICATIONS</b>												
299834	1299cc	81mm	STD	8.7:1	246	FSR	XG8100	787-2050-18-TTC	787-050-MW	JC8656	Deglaze Only	T
300268	1363cc	83mm	+2mm	8.7:1	260	FSR	XG8300	787-2050-18-TTC	787-050-MW	JC8497	Bore & Replate	T
<b>2008-2019 GSX 1300R</b>												
284734	1340cc	81mm	STD	13.0:1	223	Round	JG1001-3189	708-2250-14-93C	708-050-MW	JC8656	Deglaze Only	
274085	1340cc	81mm	STD	13.5:1	225	Round	JG1001-3189	708-2250-12-TSC	708-050-MW	JC8656	Deglaze Only	
274086	1407cc	83mm	+2mm	13.5:1	225	FSR	JG1001-3268	708-2050-14-93C	708-050-MW	JC8497	Bore & Replate	
274087	1441cc	84mm	+3mm	13.5:1	234	FSR	JG1001-3307	708-2050-14-93C	708-050-MW	JC8621	Bore & Replate	
274088	1441cc	84mm	+3mm	14.5:1	228	FSR	JG1001-3307	708-2050-14-93C	708-050-MW	JC8621	Bore & Replate	
284735	1476cc	85mm	+4mm	13.5:1	237	FSR	JG1001-3346	708-2050-14-93C	708-050-MW	JC8622	Bore & Replate	
284736	1476cc	85mm	+4mm	14.5:1	237	FSR	JG1001-3346	708-2050-14-93C	708-050-MW	JC8622	Bore & Replate	
<b>2008-2019 GSX 1300R ULTRA SERIES</b>												
379441	1340cc	81mm	STD	13.5:1	240	FSR	JG1001-3189	708-2250-18-TTC	708-050-MW	JC8656	Deglaze Only	ULTRA
379442	1407cc	83mm	+2mm	13.5:1	Call	FSR	JG1001-3268	708-2250-18-TTC	708-050-MW	JC8497	Bore & Replate	ULTRA
379443	1441cc	84mm	+3mm	13.5:1	Call	FSR	JG1001-3307	708-2250-18-TTC	708-050-MW	JC8621	Bore & Replate	ULTRA
385153	1429cc	85mm	+4mm	13.5:1	Call	FSR	JG1001-3346	708-2250-18-TTC	708-050-MW	JC8622	Bore & Replate	ULTRA

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
<b>2021 GSX 1300R</b>												
395074	1340	81mm	STD	10.5:1	Call	FSR	JG1001-3189	Call	Call	Call	Deglaze Only	ULTRA
395075	1407	83mm	+2mm	10.5:1	Call	FSR	JG1001-3268	Call	Call	Call	Bore & Replate	ULTRA
395076	1441	84mm	+3mm	10.5:1	Call	FSR	JG1001-3307	Call	Call	Call	Bore & Replate	ULTRA
395077	1340	81mm	STD	12.5:1	Call	FSR	JG1001-3189	Call	Call	Call	Deglaze Only	ULTRA
395078	1407	83mm	+2mm	12.5:1	Call	FSR	JG1001-3268	Call	Call	Call	Bore & Replate	ULTRA
395079	1441	84mm	+3mm	12.5:1	Call	FSR	JG1001-3307	Call	Call	Call	Bore & Replate	ULTRA
395080	1340	81mm	STD	13.5:1	Call	FSR	JG1001-3189	Call	Call	Call	Deglaze Only	ULTRA
395081	1407	83mm	+2mm	13.5:1	Call	FSR	JG1001-3268	Call	Call	Call	Bore & Replate	ULTRA
395082	1441	84mm	+3mm	13.5:1	Call	FSR	JG1001-3307	Call	Call	Call	Bore & Replate	ULTRA
<b>2021 GSX 1300R ULTRA SERIES</b>												
395083	1340	81mm	STD	13.5:1	Call	FSR	JG1001-3189	Call	Call	Call	Deglaze Only	ULTRA
395084	1407	83mm	+2mm	13.5:1	Call	FSR	JG1001-3268	Call	Call	Call	Bore & Replate	ULTRA
395085	1441	84mm	+3mm	13.5:1	Call	FSR	JG1001-3307	Call	Call	Call	Bore & Replate	ULTRA
<b>2008-2019 GSX 1300R - TURBO TALL DECK - .080" BASE SPACER NEEDED</b>												
274089	1340cc	81mm	STD	9.0:1	238	Round	JG1001-3189	708-2250-18-TTC	708-050-MW	JC8656	Deglaze Only	T
274090	1407cc	83mm	+2mm	9.0:1	250	Round	JG1001-3268	708-2250-18-TTC	708-050-MW	JC8497	Bore & Replate	T
<b>2008-2019 GSX 1300R - TURBO TALL DECK - .080" BASE SPACER NEEDED / "BIG BOOST" APPLICATIONS</b>												
300270	1340cc	81mm	STD	9.0:1	247	FSR	JG1001-3189	708-2050-16-93C	708-050-MW	JC8656	Deglaze Only	T
300269	1407cc	83mm	+2mm	9.0:1	258	FSR	JG1001-3268	708-2050-16-93C	708-050-MW	JC8497	Bore & Replate	T
<b>TRIUMPH</b>												
<b>2004-2013 ROCKET 3</b>												
317209	2249cc	101.6mm	STD	10.5:1	361	FSR	JG3101-4000-7	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
317210	2249cc	101.6mm	STD	11.7:1	385	FSR	JG3101-4000-7	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
<b>VICTORY</b>												
<b>2002-2006 VICTORY V92</b>												
317189	1510cc	3.8188	STD	10.5:1	353	FSR	XS9700	866-2050-18-51C	866-063-MW	Call	Deglaze Only	M
<b>YAMAHA</b>												
<b>2016-2020 YZF-R3 / 2017 R3 / 2020 MT03</b>												
371974	321cc	68mm	STD	13.0:1	140	FSR	XA6800	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	M
<b>2001-2005 YZF-R6</b>												
247959	618cc	66.5mm	+1mm	12.5:1	129	FSR	XA6650	630-1650-12-93C	630-050-MW	Call	Bore & Replate	
221324	637cc	67.5mm	+2mm	12.5:1	127	FSR	XA6750	630-1650-12-93C	630-050-MW	JC8575	Bore & Replate	

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
<b>2006-2020 YZF-R6</b>												
262317	599cc	67mm	STD	13.1:1	130	FSR	XA6700	591-1650-14-TTC	591-040-MW	OEM	Deglaze Only	
262318	635cc	69mm	+2mm	13.1:1	142	FSR	XA6900	591-1650-14-TTC	591-040-MW	Call	Bore & Replate	
<b>2015-2017 FZ07/ 2018-2023 MT07/ 2018-2023 XSR/ 2021-2023 TENNERE 700/ 2022-2023 R7</b>												
393423	689cc	80mm	STD	12.5:1		FSR	XG8000	708-1800-16-93C	708-050-MW	OEM	Deglaze Only	T
393424	742cc	83mm	+3mm	12.5:1		FSR	XG8300	708-1800-16-93C	708-050-MW		Bore & Replate	T
<b>1989-1996 FZR 1000/YZF 1000</b>												
138328	1040cc	77mm	+1.5mm	12.0:1	194	Round	XG7700	748-2050-12-52C	748-050-MW	JC8283	Bore & Hone	
<b>1998-2003 YZF-R1/FZ1/RX1</b>												
262326	998cc	74mm	STD	9.0:1	191	Round	XA7400	669-2050-14-TSC	669-050-MW	JC8562*	Deglaze Only	T
247958	998cc	74mm	STD	10.0:1	182	Round	XA7400	669-2050-14-TSC	669-050-MW	JC8562*	Deglaze Only	T
174998	998cc	74mm	STD	13.0:1	177	Round	OEM (Not Incl)	669-2050-11-52C	669-050-MW	JC8562*	Deglaze Only	M
222096	998cc	74mm	STD	13.0:1	163	FSR	XA7400	669-1650-14-TTC	669-050-MW	JC8562*	Deglaze Only	M
221392	1029cc	75mm	+1mm	13.0:1	156	FSR	XG7500	669-1650-14-TTC	669-050-MW	JC8562*	Bore & Replate	M
222095	1052cc	76mm	+2mm	13.0:1	171	FSR	XG7600	669-1650-14-TTC	669-050-MW	JC8563*	Resleeve	
*Gasket does not fit RX1												
<b>2004-2006 YZF-R1</b>												
222099	998cc	77mm	STD	13.5:1	183	FSR	XU7700	669-1650-14-TTC	669-050-MW	JC8686	Deglaze Only	
222098	1051cc	79mm	+2mm	13.5:1	191	FSR	XG7900	669-1650-14-TTC	669-050-MW	JC8695	Bore & Replate	
<b>2007-2008 YZF-R1</b>												
262541	998cc	77mm	STD	13.8:1	196	FSR	XU7700	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
<b>2009-2014 YZF-R1</b>												
290126	998cc	78mm	STD	13.5:1	201	FSR	OEM (Not Incl)	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	



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POWERSPORTS

# STREET



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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>GASGAS</b>												
<b>2010-2015 EC250F</b>												
247937	249cc	77mm	STD	13.5:1	167	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
274182	249cc	77mm	STD	14.0:1	170	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
<b>2020-2022 MC250F PRO SERIES</b>												
366506	250cc	78mm	STD	14.5:1	Call	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2013-2015 EC450F</b>												
247944	449cc	95mm	STD	12.5:1	296	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
209289	449cc	95mm	STD	13.5:1	302	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
222087	478cc	98mm	+3mm	12.5:1	293	FSR	XS9800	708-2050-16-93C	708-050-MW	OEM	Bore & Replate	
<b>2017-2019 MC450 / MC450 - PRO SERIES</b>												
366507	449cc	95mm	STD	13.5:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
366508	449cc	95mm	STD	14.0:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2021-2022 MC450F - PRO SERIES</b>												
378846	449cc	95mm	STD	12.8:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
378847	449cc	95mm	STD	13.5:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2023 MC450F - PRO SERIES</b>												
393215	449cc	95mm	STD	13.5:1		FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
393216	449cc	95mm	STD	14.0:1		FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>HONDA</b>												
<b>2007-2012 CRF 150R</b>												
262278	149cc	66mm	STD	12.0:1	112	FSR	JC3801-2598	551-1650-12-93C	551-040-MW	OEM	Deglaze Only	
262279	149cc	66mm	STD	12.5:1	112	FSR	JC3801-2598	551-1650-12-93C	551-040-MW	OEM	Deglaze Only	
262281	159cc	68mm	+2mm	13.0:1	119	FSR	JC3801-2677	551-1650-12-93C	551-040-MW	Call	Bore & Replate	M
274177	170cc	70mm	+4mm	13.0:1	126	FSR	JC3801-2756	551-1650-12-93C	551-040-MW	Call	Call	
<b>2012-2021 CRF 150R</b>												
366509	149cc	66mm	STD	13.5:1	Call	FSR	JC3801-2598	551-1650-12-93C	551-040-MW	OEM	Deglaze Only	
<b>1986-2004 XR 250 / 1991-1996 XRL 250</b>												
127918	270cc	76mm	+3mm	10.5:1	208	Round	XC7600	669-2250-12-51C	669-050-MW	JC7146	Bore & Hone	
131243	277cc	77mm	+4mm	10.5:1	215	Round	XC7700	669-2250-12-51C	669-050-MW	JC7146	Bore & Hone	
<b>2004-2009 CRF 250R / 2004-2017 CRF250X - PRO SERIES</b>												
247607	249cc	78mm	STD	13.2:1	150	FSR	JG7001-3071	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
274178	249cc	78mm	STD	13.7:1	150	FSR	JG7001-3071	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
325013	256cc	79mm	+1mm	13.5:1	153	FSR	JC3401-3110	630-1500-14-93C	630-050-MW	Call	Sleeve	
221772	262cc	80mm	+2mm	13.5:1	164	FSR	JC3401-3150	630-1650-12-93C	630-050-MW	Call	Sleeve	
<b>2010-2015 CRF 250R - PRO SERIES</b>												
291515	249cc	76.8mm	STD	13.2:1	147	FSR	JG4801-3023	630-1650-12-93C	630-050-MW	Call	Deglaze Only	
291516	249cc	76.8mm	STD	13.8:1	149	FSR	JG4801-3023	630-1650-12-93C	630-050-MW	Call	Deglaze Only	
291517	249cc	76.8mm	STD	14.2:1	151	FSR	JG4801-3023	630-1650-12-93C	630-050-MW	Call	Deglaze Only	
315167	264cc	79mm	+2.2mm	13.5:1	158	FSR	JC3401-3110	630-1650-12-93C	630-050-MW	Call	Bore & Replate	M
315168	270cc	80mm	+3.2mm	13.5:1	163	FSR	JG7001-3150	630-1650-12-93C	630-050-MW	Call	Bore & Replate	M

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA CONTINUED</b>												
<b>2016-2017 CRF 250R - PRO SERIES</b>												
344512	249cc	76.8mm	STD	13.5:1	NEW	FSR	JG4801-3023	630-1500-14-9DC	630-050-MW	Call	Deglaze Only	
344513	249cc	76.8mm	STD	14.0:1	NEW	FSR	JG4801-3023	630-1500-14-9DC	630-050-MW	Call	Deglaze Only	
344514	249cc	76.8mm	STD	14.5:1	NEW	FSR	JG4801-3023	630-1500-14-9DC	630-050-MW	Call	Deglaze Only	
<b>2018-2019 CRF 250R / 2019 CRF 250RX - PRO SERIES</b>												
355531	249cc	79.0mm	STD	13.9:1	NEW	FSR	OEM	630-1500-14-9DC	630-050-MW	Call	Deglaze Only	
355532	249cc	79.0mm	STD	14.4:1	NEW	FSR	OEM	630-1500-14-9DC	630-050-MW	Call	Deglaze Only	
<b>2020-2024 CRF 250R - PRO SERIES - 2 RING</b>												
373034	249cc	79.0mm	STD	14.0:1	154	FSR	YBX7900	630-1500-14-9DC	630-050-MW	OEM	Deglaze Only	
373035	249cc	79.0mm	STD	14.4:1	154	FSR	YBX7900	630-1500-14-9DC	630-050-MW	OEM	Deglaze Only	
<b>2013-2016 CRF 250L DUAL SPORT</b>												
308446	250cc	76mm	STD	10.7:1	184	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	M
308447	250cc	76mm	STD	11.0:1	188	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
308448	256cc	77mm	+1mm	11.0:1	195	FSR	XU7700	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	M
308449	262cc	78mm	+2mm	11.0:1	197	FSR	XG7800	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	M
308450	297cc	83mm	+7mm	11.0:1	222	FSR	XG8300	669-1650-14-TTC	669-050-MW	Call	Sleeve	M
<b>2017-2020 CRF 250L DUAL SPORT</b>												
378844	250cc	76mm	STD	11.5:1	200	FSR	XG7600	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	
<b>1996-2004 XR 400</b>												
132697	397cc	85mm	STD	10.5:1	263	Round	XC8500	787-2250-18-51C	787-050-MW	JC7279	Deglaze Only	
199655	397cc	85mm	STD	12.0:1	263	Round	XC8500	787-2250-18-51C	787-050-MW	JC7825	Bore & Hone	
132699	406cc	86mm	+1mm	10.6:1	294	Round	XC8600	787-2350-14-51C	787-050-MW	JC7279	Bore & Hone	
133889	415cc	87mm	+2mm	10.8:1	294	Round	XC8700	787-2350-14-51C	787-050-MW	JC7296	Bore & Hone	
199656	415cc	87mm	+2mm	12.0:1	285	Round	XC8700	787-2350-14-51C	787-050-MW	JC7924	Bore & Hone	
177240	426cc	88mm	+3mm	11.0:1	298	Round	XC8800	787-2350-14-51C	787-050-MW	JC7826	Bore & Hone	
177239	426cc	88mm	+3mm	13.0:1	318	Round	XC8800	787-2350-14-51C	787-050-MW	JC7296	Bore & Hone	
247611	430cc	88.5mm	+3.5mm	10.8:1	269	Round	XC8850	787-2250-18-51C	787-050-MW	JC7826	JE3730M	
208552	435cc	89mm	+4mm	12.0:1	268	Round	XC8900	787-2250-18-51C	787-050-MW	JC7826	JE3730M	
247612	435cc	89mm	+4mm	10.8:1	273	Round	XC8900	787-2250-14-93C	787-050-MW	JC7826	JE3730M	
<b>2002-2008 CRF 450R / 2005-2017 CRF 450X</b>												
274755	449cc	96mm	STD	12.5:1	273	FSR	ZV9600	748-2050-16-93C	748-050-MW	JC7845	Deglaze Only	**
274756	449cc	96mm	STD	13.5:1	282	FSR	ZV9600	748-2050-16-93C	748-050-MW	JC7845	Deglaze Only	**
274757	459cc	97mm	+1mm	12.5:1	269	FSR	ZS9700	748-2050-16-93C	748-050-MW	JC7824	Bore & Replate	M,**
274760	468cc	98mm	+2mm	12.5:1	285	FSR	XS9800	748-2050-16-93C	748-050-MW	JC7824	Bore & Replate	**
274758	478cc	99mm	+3mm	12.5:1	293	FSR	ZV9900	748-2050-16-93C	748-050-MW	JC7849	Bore & Replate	**
274759	488cc	100mm	+4mm	12.5:1	303	FSR	ZV10000	748-2050-16-93C	748-050-MW	Call	Sleeve	**
<b>2002-2008 CRF 450R / 2005-2017 CRF 450X - PRO SERIES</b>												
261965	449cc	96mm	STD	12.5:1	247	FSR	ZV9600	748-2050-16-93C	748-050-MW	JC7845	Deglaze Only	**

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA CONTINUED</b>												
261966	449cc	96mm	STD	13.5:1	255	FSR	ZV9600	748-2050-16-93C	748-050-MW	JC7845	Deglaze Only	**
291514	449cc	96mm	STD	14.0:1	256	FSR	ZV9600	748-2050-16-93C	748-050-MW	JC7845	Deglaze Only	**
<b>2009-2012 CRF 450R - PRO SERIES</b>												
284666	449cc	96mm	STD	12.5:1	252	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	**
284667	449cc	96mm	STD	13.5:1	253	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	**
291513	449cc	96mm	STD	14.0:1	256	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	**
284668	468cc	98mm	+2mm	12.5:1	258	FSR	XS9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	**
284669	478cc	99mm	+3mm	12.5:1	264	FSR	ZV9900	748-2050-16-93C	748-050-MW	Call	Bore & Replate	**
284670	488cc	100mm	+4mm	12.5:1	268	FSR	ZV10000	748-2050-16-93C	748-050-MW	Call	Sleeve	**
<b>2013-2016 CRF450R - PRO SERIES</b>												
315158	449cc	96mm	STD	12.5:1	250	FSR	ZV9600	748-2050-16-93C	748-050-MW	Call	Deglaze Only	
315159	449cc	96mm	STD	13.0:1	255	FSR	ZV9600	748-2050-16-93C	748-050-MW	Call	Deglaze Only	
315160	449cc	96mm	STD	13.5:1	257	FSR	ZV9600	748-2050-16-93C	748-050-MW	Call	Deglaze Only	
315161	449cc	96mm	STD	14.0:1	262	FSR	ZV9600	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
315162	478cc	99mm	+3mm	12.5:1	260	FSR	ZV9900	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
315163	488cc	100mm	+4mm	12.5:1	263	FSR	ZV10000	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
315164	497cc	101mm	+5mm	12.5:1	268	FSR	ZS10100	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
<b>2017-2024 CRF450R, CRF450RX, 2019 CRF450R-WE - PRO SERIES</b>												
345054	449cc	96mm	STD	13.5:1	NEW	FSR	ZV9600	748-2050-16-9DC	748-050-MW	Call	Deglaze Only	
345055	449cc	96mm	STD	14.0:1	NEW	FSR	ZV9600	748-2050-16-9DC	748-050-MW	Call	Deglaze Only	
345056	449cc	96mm	STD	14.5:1	NEW	FSR	ZV9600	748-2050-16-9DC	748-050-MW	Call	Deglaze Only	
<b>1985-2001 XR 600R</b>												
128995	629cc	100mm	+3mm	10.5:1	380	Round	XH10000	945-2850-14-51C	945-073-MW	JC7212	Bore & Hone	
128996	640cc	101mm	+4mm	10.6:1	397	Round	XH10100	945-2850-14-51C	945-073-MW	JC7239	Bore & Hone	
128998	654cc	102mm	+5mm	10.8:1	395	Round	XH10200	945-2850-14-51C	945-073-MW	JC7239	Bore & Hone	
<b>1993-2016 XR 650L</b>												
292329	644cc	100mm	STD	9.0:1	390	Round	XS10000	945-2850-14-51C	945-073-MW	JC7959	Deglaze Only	
292330	650cc	101mm	+1mm	9.0:1	389	Round	XS10100	945-2850-14-51C	945-073-MW	JC7151	Bore & Hone	
292331	657cc	102mm	+2mm	9.0:1	396	Round	XS10200	945-2850-14-51C	945-073-MW	JC7151	Bore & Hone	
300275	644cc	100mm	STD	10.5:1	398	Round	XS10000	945-2850-14-51C	945-073-MW	JC7959	Deglaze Only	
300276	650cc	101mm	+1mm	10.5:1	396	Round	XS10100	945-2850-14-51C	945-073-MW	JC7151	Bore & Hone	
300277	657cc	102mm	+2mm	10.5:1	408	Round	XS10200	945-2850-14-51C	945-073-MW	JC7151	Bore & Hone	
130682	644cc	100mm	STD	11.25:1	399	Round	XH10000	945-2850-14-51C	945-073-MW	JC7959	Deglaze Only	
138978	650cc	101mm	+1mm	11.25:1	416	Round	XH10100	945-2850-14-51C	945-073-MW	JC7151	Bore & Hone	
139550	657cc	102mm	+2mm	11.25:1	406	Round	XH10200	945-2850-14-51c	945-073-MW	JC7151	Bore & Hone	
<b>2000-2007 XR 650R</b>												
190862	649cc	100mm	STD	11.0:1	394	Round	XH10000	905-2500-15-51C	905-073-MW	JC7681	Deglaze Only	

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# POWERSPORTS OFFROAD

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HUSABERG</b>												
<b>2013 FE 250</b>												
247623	249cc	76mm	STD	13.0:1	157	FSR	JC3401-2992	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
<b>2014 FE 250</b>												
323895	250cc	78mm	STD	13.5:1	152	FSR	JG7001-3071	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2013-2014 FE 350</b>												
300267	349cc	88mm	STD	13.6:1	203	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
327145	349cc	88mm	STD	14.5:1	NEW	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
<b>2013-2014 FE 450</b>												
323897	450cc	95mm	STD	12.6:1	249	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323898	450cc	95mm	STD	13.5:1	259	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
325287	450cc	95mm	STD	14.5:1	264	FSR	ZS9500	748-2050-16-93c	748-050-MW	OEM	Deglaze Only	
<b>2013-2014 FE 501</b>												
323900	510cc	95mm	STD	11.8:1	NEW	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323901	510cc	95mm	STD	12.5:1	NEW	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>HUSQVARNA</b>												
<b>2014-2015 FC 250 / 2014-2016 FE 250</b>												
323895	250cc	78mm	STD	13.5:1	152	FSR	JG7001-3071	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2016-2022 FC 250 - PRO SERIES</b>												
366506	250cc	78mm	STD	14.5:1	Call	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2014-2015 FC 350 / 2014-2016 FE 350 / 2020 FE 350</b>												
300267	349cc	88mm	STD	13.6:1	203	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
327145	349cc	88mm	STD	14.5:1	NEW	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
<b>2016-2022 FC 350 / 2017-2020 FX 350</b>												
300267	349cc	88mm	STD	14.0:1	203	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
327145	349cc	88mm	STD	15.0:1		FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
<b>2014-2015 FC 450 / 2014-2016 FE 450 / 2017 FX 450</b>												
323897	450cc	95mm	STD	12.6:1	249	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323898	450cc	95mm	STD	13.5:1	259	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
325287	450cc	95mm	STD	14.5:1	264	FSR	ZS9500	748-2050-16-93c	748-050-MW	OEM	Deglaze Only	
<b>2017-2019 FC 450 / FX 450 - PRO SERIES</b>												
366507	449cc	95mm	STD	13.5:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
366508	449cc	95mm	STD	14.0:1	Call	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2020-2022 FC 450 - PRO SERIES</b>												
378846	449cc	95mm	STD	12.8:1						OEM	Deglaze Only	
378847	449cc	95mm	STD	13.5:1						OEM	Deglaze Only	
<b>2014-2019 FE 501</b>												
323900	510cc	95mm	STD	11.8:1	NEW	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323901	510cc	95mm	STD	12.5:1	NEW	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2023-2024 FC 450 - PRO SERIES</b>												
393215	449cc	95mm	STD	13.5:1	NEW	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
393216	449cc	95mm	STD	14.0:1	NEW	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI</b>												
<b>2002-2020 KLX 110</b>												
221775	135cc	58mm	+5mm	10.5:1	117	Round	JC3601-2283	512-1535-10-5XC	512-040-AW	JC7749	Resleeve	M
<b>2004-2005 KX 250F - PRO SERIES</b>												
243642	249cc	77mm	STD	13.5:1	148	FSR	JC3301-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
<b>2006-2009 KX 250F - PRO SERIES</b>												
247596	249cc	77mm	STD	13.8:1	156	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
274179	249cc	77mm	STD	14.0:1	155	FSR	JC3401-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
264015	262cc	79mm	+2mm	13.0:1	161	FSR	JC3401-3110	630-1650-12-93C	630-050-MW	Call	Bore & Replate	
247598	270cc	80mm	+3mm	13.5:1	174	FSR	JG7001-3150	630-1650-12-93C	630-050-MW	Call	Sleeve	
<b>2010-2014 KX 250F - PRO SERIES</b>												
292759	249cc	77mm	STD	13.5:1	150	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
292760	249cc	77mm	STD	14.0:1	148	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
<b>2017 -2018 KX 250F / 2019 KX 250 - PRO SERIES</b>												
345199	249cc	77mm	STD	13.7:1	NEW	FSR	JC3501-3031	630-1500-14-9DC	630-050-MW	OEM	Deglaze Only	
345200	249cc	77mm	STD	14.0:1	NEW	FSR	JC3501-3031	630-1500-14-9DC	630-050-MW	OEM	Deglaze Only	
345201	270cc	80mm	STD	14.0:1	NEW	FSR	JG7001-3150	630-1500-14-9DC	630-050-MW	OEM	Deglaze Only	
<b>2020 KX 250 - PRO SERIES</b>												
371309	249cc	78mm	STD	14.4:1	152	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2021-2022 KX 250 - PRO SERIES</b>												
379029	249cc	78mm	STD	14.1:1	142	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
379030	249cc	78mm	STD	14.5:1	142	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2023-2024 KX 250 - PRO SERIES</b>												
391920	249cc	78mm	STD	14.5:1	Call	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2003 KLX 400</b>												
180297	398cc	90mm	STD	12.0:1	287	Round	XC9000	787-2350-10-93C	787-050-MW	JC7688	Deglaze Only	
208659	398cc	90mm	STD	13.5:1	288	Round	XC9000	787-2350-10-93C	787-050-MW	JC7688	Deglaze Only	
199657	416cc	92mm	+2mm	12.0:1	279	FSR	XC9200	787-2050-16-93C	787-050-MW	JC7688	Bore & Replate	M
183051	434cc	94mm	+4mm	12.0:1	303	FSR	XC9400	787-2050-16-93C	787-050-MW	JC7806	Bore & Replate	
243651	450cc	95.5mm	+5.5mm	13.0:1	311	FSR	JC2801-3760	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2003 KLX 400 - PRO SERIES</b>												
261539	450cc	95.5mm	+5.5mm	13.5:1	262	FSR	ZV9550	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
<b>2006-2014 &amp; 2016-2018 KX450F (DOES NOT FIT 2015)</b>												
284852	449cc	96mm	STD	12.8:1	272	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
284853	449cc	96mm	STD	13.5:1	275	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
284854	469cc	98mm	+2mm	12.8:1	279	FSR	ZV9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	M
<b>2006-2014 &amp; 2016-2018 KX450F (DOES NOT FIT 2015)</b>												
284855	449cc	96mm	STD	12.8:1	258	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series



# POWERSPORTS OFFROAD

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI CONTINUED</b>												
362955	449cc	96mm	STD	12.5:1		FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
362956	449cc	96mm	STD	13.5:1		FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2021-2023 KX450</b>												
379937	449cc	96mm	STD	12.5:1	246	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
379938	449cc	96mm	STD	13.5:1	248	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>KTM</b>												
<b>2005-2012 250 SX-F / 2007-2013 250 XC-F / 2007-2013 250 XCF-W</b>												
247623	249cc	76mm	STD	13.0:1	157	FSR	JC3401-2992	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
312479	276cc	80mm	+4mm	13.5:1	161	FSR	JG7001-3150	630-1650-12-93C	630-050-MW	Call	Bore & Replate	
<b>2013-2015 KTM 250 SX-F</b>												
323895	250cc	78mm	STD	13.5:1	152	FSR	JG7001-3071	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2016-2022 250 SX-F - PRO SERIES</b>												
366506	250cc	78mm	STD	14.5:1	Call	FSR	7800MC	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2011-2015 350 SX-F / 2012-2016 350 EXC / 2012-2016 350 XCF-W / 2012-2015 350 FREERIDE</b>												
300267	349cc	88mm	STD	13.6:1	203	FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
327145	349cc	88mm	STD	14.5:1		FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
<b>2016-2022 350 SX-F / 2020-2021 350 EXC</b>												
378848	349cc	88mm	STD	14.0:1		FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
378849	349cc	88mm	STD	14.5:1		FSR	YD8800	708-1750-14-PTC	708-050-MW	OEM	Deglaze Only	
<b>2003-2007 450 EXC / MXC / XC-W</b>												
274221	449cc	89mm	STD	12.5:1	261	FSR	JG4301-3504	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274219	449cc	89mm	STD	13.0:1	261	FSR	JG4301-3504	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
<b>2003-2006 450 SX / 2003-2006 450 XC</b>												
221781	449cc	95mm	STD	12.5:1	280	FSR	ZS9500	787-2050-16-93C	787-050-MW	JC7454	Deglaze Only	
221780	449cc	95mm	STD	13.5:1	277	FSR	ZS9500	787-2050-16-93C	787-050-MW	JC7454	Deglaze Only	
<b>2007-2012 450 SX-F / 2007-2010 XC-F - PRO SERIES</b>												
260955	449cc	97mm	STD	12.5:1	256	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
260956	449cc	97mm	STD	13.0:1	257	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
260957	449cc	97mm	STD	13.5:1	261	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
308474	449cc	97mm	STD	12.5:1	260	FSR	ZS9700	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
308475	449cc	97mm	STD	13.0:1	262	FSR	ZS9700	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
308476	449cc	97mm	STD	13.5:1	265	FSR	ZS9700	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
<b>2013-2015 KTM 450 SX-F / 2012-2016 450 EXC / XC-F / XC-W</b>												
323897	450cc	95mm	STD	12.6:1	249	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323898	450cc	95mm	STD	13.5:1	259	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
325287	450cc	95mm	STD	14.5:1	264	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KTM CONTINUED</b>												
<b>2016-2018 450 SX-F - PRO SERIES</b>												
366507	449cc	95mm	STD	13.5:1	253	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
366508	449cc	95mm	STD	14.0:1	253	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2019-2022 450 SX-F - PRO SERIES</b>												
378846	449cc	95mm	STD	12.8:1	255	FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
378847	449cc	95mm	STD	13.5:1		FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2023-2024 450SX-F PRO SERIES</b>												
393215	449cc	95mm	STD	13.5:1		FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
393216	449cc	95mm	STD	14.0:1		FSR	ZS9500	748-1800-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2012-2019 KTM 500 EXC / XC-W</b>												
323900	510cc	95mm	STD	11.8:1	256	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
323901	510cc	95mm	STD	12.5:1	259	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2020-2022 KTM 500 EXC-F</b>												
378850	510cc	95mm	STD	12.75:1	246	FSR	ZS9500	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2000-2002 520 SX / EXC 2003-2010 525 SX / EXC</b>												
221777	511cc	95mm	STD	13.0:1	259	FSR	ZS9500	787-2050-16-93C	787-050-MW	JC7454	Deglaze Only	
221776	543cc	98mm	+3mm	13.0:1	297	FSR	XS9800	787-2050-16-93C	787-050-MW	JC7461	Sleeve	M
<b>2000-2002 520 SX / EXC 2003-2010 525 SX / EXC - PRO SERIES</b>												
274173	511cc	95mm	STD	12.5:1	270	FSR	ZS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
274174	511cc	95mm	STD	13.0:1	275	FSR	ZS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
274175	511cc	95mm	STD	13.5:1	279	FSR	ZS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>SUZUKI</b>												
<b>2003-2005 DRZ 110</b>												
221775	135cc	58mm	+5mm	10.5:1	117	Round	JC3601-2283	512-1535-10-5XC	512-040-AW	JC7749	Deglaze Only	M
<b>2004-2006 RMZ 250 - PRO SERIES</b>												
243642	249cc	77mm	STD	13.5:1	161	FSR	JC3301-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
<b>2007-2009 RMZ 250 - PRO SERIES</b>												
261540	249cc	77mm	STD	13.5:1	153	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
261541	249cc	77mm	STD	14.0:1	153	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
261542	262cc	79mm	+2mm	13.0:1	164	FSR	JC3401-3110	630-1650-12-93C	630-050-MW	JC7221	Bore & Replate	
261543	270cc	80mm	+3mm	13.0:1	170	FSR	JG7001-3150	630-1650-12-93C	630-050-MW	JC7221	Sleeve	
<b>2010-2018 RMZ 250 - PRO SERIES</b>												
299244	249cc	77mm	STD	13.5:1	150	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
299245	249cc	77mm	STD	14.2:1	151	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	JC7211	Deglaze Only	
<b>2019-2024 RMZ 250 - PRO SERIES</b>												
366827	249cc	77mm	STD	14.5:1	161	FSR	JC3501-3031	630-1500-14-93C	630-050-MW	JC7211	Deglaze Only	
<b>1990-1999 DR 350R/S</b>												
130928	441cc	89mm	+10mm	10.5:1	278	Round	XC8900	787-2350-14-51C	787-050-MW	JC7264	Sleeve	
<b>2000-2020 DR-Z 400</b>												
180297	398cc	90mm	STD	12.0:1	287	Round	XC9000	787-2350-10-93C	787-050-MW	JC7688	Deglaze Only	
208659	398cc	90mm	STD	13.5:1	288	Round	XC9000	787-2350-10-93C	787-050-MW	JC7688	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
<b>2000-2020 DR-Z 400 (CONTINUED)</b>												
199657	416cc	92mm	+2mm	12.0:1	279	FSR	XC9200	787-2050-16-93C	787-050-MW	JC7688	Bore & Replate	M
183051	434cc	94mm	+4mm	12.0:1	303	FSR	XC9400	787-2050-16-93C	787-050-MW	JC7806*	Bore & Replate	
243651	450cc	95.5mm	+5.5mm	13.0:1	311	FSR	JC2801-3760	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2000-2020 DR-Z 400 - PRO SERIES - 2 RING</b>												
261539	450cc	95.5mm	+5.5mm	13.5:1	262	FSR	ZV9550	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2005-2007 RM-Z 450</b>												
247591	450cc	95.5mm	STD	12.8:1	269	FSR	ZV9550	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
255627	450cc	95.5mm	STD	13.5:1	275	FSR	ZV9550	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
247594	474cc	98mm	+2.5mm	12.8:1	272	FSR	ZV9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	M
247593	493cc	100mm	+4.5mm	12.8:1	279	FSR	ZV10000	748-2050-16-93C	748-050-MW	Call	Sleeve	M
<b>2005-2007 RM-Z 450 - PRO SERIES</b>												
261534	450cc	95.5mm	STD	12.8:1	253	FSR	ZV9550	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
261535	450cc	95.5mm	STD	13.5:1	256	FSR	ZV9550	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2008-2012 RM-Z 450 - PRO SERIES</b>												
274180	449cc	96.0mm	STD	13.0:1	264	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
274181	449cc	96.0mm	STD	13.5:1	258	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
306332	449cc	96.0mm	STD	14.5:1	271	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
<b>2010-2019 RM-X 450Z - PRO SERIES</b>												
274180	449cc	96.0mm	STD	13.0:1	264	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
274181	449cc	96.0mm	STD	13.5:1	258	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
306332	449cc	96.0mm	STD	14.5:1	271	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
<b>2013-2024 RM-Z 450 - PRO SERIES</b>												
317238	449cc	96.0mm	STD	13.0:1	260	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
317239	449cc	96.0mm	STD	13.5:1	258	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
317240	449cc	96.0mm	STD	14.5:1	266	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
<b>1996-2011 DR 650</b>												
136633	650cc	100mm	STD	10.5:1	375	Round	XH10000	905-2500-15-51C	905-073-MW	OEM	Deglaze Only	
<b>YAMAHA</b>												
<b>2001-2004 YZ 250F / WR250F - 5 VALVE</b>												
221798	249cc	77mm	STD	13.5:1	169	FSR	JC3301-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
221797	270cc	80mm	+3mm	13.0:1	184	FSR	JC3401-3150	630-1650-12-93C	630-050-MW	JC7904	Sleeve	M
<b>2005-2013 YZ 250 / WR 250F - 5 VALVE</b>												
247937	249cc	77mm	STD	13.5:1	167	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
274182	249cc	77mm	STD	14.0:1	170	FSR	JC3501-3031	630-1650-12-93C	630-050-MW	OEM	Deglaze Only	
247939	262cc	79mm	+2mm	13.0:1	175	FSR	JC3401-3110	630-1650-12-93C	630-050-MW	Call	Bore & Replate	
247940	270cc	80mm	+3mm	13.0:1	178	FSR	JG7001-3150	630-1650-12-93C	630-050-MW	JC7904	Sleeve	M

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
<b>2014-2018 YAMAHA YZ 250F / 2015-2019 YZ250FX / 2015-2017 WR250F - PRO SERIES - 2 RING</b>												
323556	250cc	77mm	STD	13.5:1	149	FSR	JG4801-3031	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
323557	250cc	77mm	STD	14.0:1	152	FSR	JG4801-3031	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
323558	250cc	77mm	STD	14.5:1	154	FSR	JG4801-3031	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>2019-2024 YZ 250F</b>												
362953	250cc	77mm	STD	14.0:1		FSR	JG4801-3031	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
362954	250cc	77mm	STD	14.5:1		FSR	JG4801-3031	630-1500-14-93C	630-050-MW	OEM	Deglaze Only	
<b>1998-2000 YZ 400F / 1998-2000 WR 400F</b>												
157595	399cc	92mm	STD	13.5:1	252	FSR	XC9200	708-2050-16-93C	708-050-MW	JC7400	Deglaze Only	
<b>2000-2002 YZ 426 / 2000-2002 WR 426F</b>												
175000	426cc	95mm	STD	13.5:1	275	FSR	XS9500	748-2050-14-93C	748-050-MW	JC7689	Deglaze Only	
175001	446cc	97mm	+2mm	13.5:1	278	FSR	XS9700	748-2050-14-93C	748-050-MW	JC7470	Bore & Replate	M
<b>2003-2004 YZ 450F / 2003-2004 WR 450F</b>												
247944	449cc	95mm	STD	12.5:1	296	FSR	XS9500	708-2050-16-93C	708-050-MW	JC7947	Deglaze Only	
209289	449cc	95mm	STD	13.5:1	302	FSR	XS9500	708-2050-16-93C	708-050-MW	JC7947	Deglaze Only	
222087	478cc	98mm	+3mm	12.5:1	293	FSR	XS9800	708-2050-16-93C	708-050-MW	JC7787	Bore & Replate	
<b>2005-2009 YZ450F / 2005-2015 WR450F</b>												
247625	449cc	95mm	STD	12.8:1	287	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	**
247626	449cc	95mm	STD	13.5:1	288	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	**
247627	468cc	97mm	+2mm	13.0:1	299	FSR	XS9700	708-2050-16-93C	708-050-MW	JC3064	Bore & Replate	M,**
247942	478cc	98mm	+3mm	13.0:1	288	FSR	XS9800	708-2050-16-93C	708-050-MW	JC3068	Bore & Replate	**
262519	498cc	100mm	+5mm	12.5:1	315	FSR	XS10000	708-2050-16-93C	708-050-MW	Call	Sleeve	M,**
<b>2005-2009 YZ450F / 2005-2015 WR450F - PRO SERIES - 3 RING</b>												
274183	449cc	95mm	STD	12.8:1	250	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
274184	449cc	95mm	STD	13.5:1	254	FSR	XS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
<b>2005-2009 YZ450F / 2005-2015 WR450F - PRO SERIES - 2 RING</b>												
261544	449cc	95mm	STD	12.8:1	246	FSR	ZS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	M,**
261545	449cc	95mm	STD	13.5:1	248	FSR	ZS9500	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	**
<b>2010-2013 YAMAHA YZ450F - PRO-SERIES - 3 RING</b>												
291507	449cc	97mm	STD	12.8:1	268	FSR	XS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
291508	449cc	97mm	STD	13.5:1	273	FSR	XS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
291509	449cc	97mm	STD	14.0:1	275	FSR	XS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
<b>2010-2013 YAMAHA YZ450F - PRO-SERIES - 2 RING</b>												
291510	449cc	97mm	STD	12.8:1	260	FSR	ZS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
291511	449cc	97mm	STD	13.5:1	267	FSR	ZS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
291512	449cc	97mm	STD	14.0:1	268	FSR	ZS9700	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS OFFROAD

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
<b>2014-2017 YAMAHA YZ 450F / 2016-2017 YZ 450FX / 2016-2017 WR450F - PRO-SERIES - 3 RING</b>												
324910	450cc	97mm	STD	12.8:1	268	FSR	XS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
324911	450cc	97mm	STD	13.5:1	273	FSR	XS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
324912	450cc	97mm	STD	14.0:1	275	FSR	XS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2014-2017 YAMAHA YZ 450F / 2016-2017 YZ 450FX / 2016-2017 WR450F - PRO SERIES - 2 RING</b>												
324913	450cc	97mm	STD	12.8:1	260	FSR	ZS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
324914	450cc	97mm	STD	13.5:1	267	FSR	ZS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
324915	450cc	97mm	STD	14.0:1	268	FSR	ZS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2018-2019 YAMAHA YZ 450F - PRO SERIES - 2 RING</b>												
366510	450cc	97mm	STD	13.5:1	Call	FSR	ZS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
366511	450cc	97mm	STD	14.0:1	Call	FSR	ZS9700	708-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2020-2022 YAMAHA YZ 450F - PRO SERIES - 2 RING</b>												
366828	450cc	97mm	STD	13.8:1	Call	FSR	ZS9700	708-1925-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2023-2024 YAMAHA YZ 450F - PRO SERIES - 2 RING</b>												
393217	450cc	97mm	STD	14.0:1	Call	FSR	ZS9700	708-1925-93C	787-050-MW	OEM	Deglaze Only	
<b>1976-81 TT/XT/SR 500</b>												
130798	540cc	90mm	+3mm	11.0:1	342	Round	XC9000	787-2350-14-51C	787-050-MW	C7252	Bore & Hone	
<b>1984-1996 TT/XT 600</b>												
138330	621cc	97mm	+2mm	11.5:1	372	Round	XH9700	866-2500-15-51C	866-063-MW	JC7213	Bore & Hone	



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KEN ROCZEN

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Suzuki RM-Z450



POWERSPORTS

OFFROAD



“ We trust JE Pistons with the most critical moving parts in the engine. We have to make serious horsepower and reliability to keep riders both winning and safe, which is why JE is our clear choice. ”

JAMIE ELLIS, TWISTED DEVELOPMENT,  
H.E.P. SUZUKI ENGINE BUILDER & TUNER



# ATV / UTV

Arctic Cat | Bombardier/Can Am | Honda  
John Deere | Kawasaki | KTM | Polaris | Suzuki | Yamaha

JE Pistons' extensive experience in automotive and motorcycle performance has undoubtedly translated to providing a winning edge in four-wheeled powersports machines, too. JE is prepared to serve everything from strong and reliable workhorse replacements to overbore, turbocharged high-performance race machines. If you're building maximum horsepower for your UTV engine, keep an eye out for our Ultra Series parts highlighted in gold!





## ATV

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>ARCTIC CAT</b>												
<b>2004-2008 400DVX</b>												
180297	398cc	90mm	STD	12.0:1	287	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
208659	398cc	90mm	STD	13.5:1	288	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
199657	416cc	92mm	+2mm	12.0:1	279	FSR	XC9200	787-2050-16-93C	787-050-MW	JC7688	Bore & Replate	M
183051	434cc	94mm	+4mm	12.0:1	303	FSR	XC9400	787-2050-16-93C	787-050-MW	JC7806	Bore & Replate	
243651	450cc	95.5mm	+5.5mm	13.0:1	311	FSR	JC2801-3760	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2004-2008 400DVX - PRO SERIES</b>												
261539	450cc	95.5mm	+5.5mm	13.5:1	266	FSR	ZV9550	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
<b>BOMBARDIER / CAN AM</b>												
<b>2008-2014 DS 450 - PRO SERIES - 3 RING</b>												
274185	449cc	97mm	STD	12.5:1	320	FSR	XS9700	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
274186	449cc	97mm	STD	13.0:1	324	FSR	XS9700	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2008-2014 DS 450 - PRO SERIES - 2 RING</b>												
274187	449cc	97mm	STD	12.5:1	297	FSR	XS9700	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
274188	449cc	97mm	STD	13.0:1	301	FSR	XS9700	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
300213	449cc	97mm	STD	13.7:1	305	FSR	ZS9700	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	M
<b>2002-2003 DS 650</b>												
209283	651cc	100mm	STD	11.5:1	373	FSR	XS10000	866-2050-15-51C	866-063-MW	OEM	Deglaze Only	
221844	720cc	105mm	+5mm	11.5:1	422	FSR	J70001-4130-5	866-2250-15-51C	866-063-MW	Call	JE4325B	
<b>2003-2013 OUTLANDER 400 / RENEGADE 400</b>												
317810	400cc	91mm	STD	11.5:1	330	Round	JG1001-3583	787-2350-14-51C	787-050-MW	OEM	Deglaze Only	
317811	421cc	93mm	+2mm	11.5:1	338	Round	JG1001-3661	787-2350-14-51C	787-050-MW	Call	Bore & Hone	
317812	421cc	93mm	+2mm	13.0:1	NEW	FSR	JG1001-3661	787-2050-14-93C	787-050-MW	Call	Bore & Hone	**
<b>2006-2015 OUTLANDER 800 / RENEGADE 800</b>												
292761	800cc	91mm	STD	11.5:1	330	Round	JG1001-3583	787-2350-14-51C	787-050-MW	OEM	Deglaze Only	
292762	843cc	93mm	+2mm	11.5:1	338	Round	JG1001-3661	787-2350-14-51C	787-050-MW	Call	Bore & Hone	
300183	843cc	93mm	+2mm	13.0:1	NEW	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	Call	Bore & Hone	**
<b>2012-2020 OUTLANDER 1000 / RENEGADE 1000</b>												
308411	976cc	91mm	STD	9.0:1	315	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** M
308412	976cc	91mm	STD	10.2:1	320	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** M
308413	976cc	91mm	STD	11.0:1	324	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** M
308414	976cc	91mm	STD	12.5:1	333	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	**
308415	1018cc	93mm	+2mm	12.5:1	377	FSR	JG1001-3661	866-2050-15-93C	866-063-MW	Call	Bore & Hone	**

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA</b>												
<b>2001-2008 TRX 250EX</b>												
221768	229cc	69mm	+.5mm	11.5:1	173	Round	XA6900	591-2050-11-51C	591-040-MW	Call	Bore & Hone	M
<b>1992-2008 TRX 300EX</b>												
275073	297cc	76mm	+2mm	11.5:1	219	Round	XC7600	669-2050-12-51C	669-050-MW	Call	Bore & Hone	
221833	330cc	80mm	+6mm	11.5:1	235	Round	XC8000	669-2250-12-51C	669-050-MW	JC7525	Sleeve & Machine Case	
<b>1999-2008 TRX 400EX / 2009-2014 TRX 400X</b>												
379165	397cc	85mm	STD	10.5:1	263	Round	JG1001-3346	787-2250-18-51C	787-050-MW	JC7279	Deglaze Only	
379166	397cc	85mm	STD	12.0:1	263	Round	JG1001-3346	787-2250-18-51C	787-050-MW	JC7825	Bore & Hone	
132699	406cc	86mm	+1mm	10.6:1	294	Round	XC8600	787-2350-14-51C	787-050-MW	JC7279	Bore & Hone	
133889	415cc	87mm	+2mm	10.8:1	294	Round	XC8700	787-2350-14-51C	787-050-MW	JC7296	Bore & Hone	
199656	415cc	87mm	+2mm	12.0:1	285	Round	XC8700	787-2350-14-51C	787-050-MW	JC7924	Bore & Hone	
177240	426cc	88mm	+3mm	11.0:1	298	Round	XC8800	787-2350-14-51C	787-050-MW	C7826	Bore & Hone	
177239	426cc	88mm	+3mm	13.0:1	318	Round	XC8800	787-2350-14-51C	787-050-MW	JC7296	Bore & Hone	
247611	430cc	88.5mm	+3.5mm	10.8:1	269	Round	XC8850	787-2250-18-51C	787-050-MW	JC7826	JE3730M	
247612	435cc	89mm	+4mm	10.8:1	273	Round	XC8900	787-2250-14-93C	787-050-MW	JC7826	JE3730M	
208552	435cc	89mm	+4mm	12.0:1	268	Round	XC8900	787-2250-18-51C	787-050-MW	JC7826	JE3730M	
<b>2004-2005 TRX 450R</b>												
221767	449cc	94mm	STD	13.0:1	317	FSR	JG1101-3701	827-2050-15-93C	827-063-MW	JC3043	Deglaze Only	
262285	449cc	94mm	STD	12.0:1	300	FSR	JG1101-3701	827-2050-15-93C	827-063-MW	JC3043	Deglaze Only	
221771	449cc	94mm	STD	11.5:1	311	FSR	JG1101-3701	827-2050-15-93C	827-063-MW	JC3043	Deglaze Only	
221770	469cc	96mm	+2mm	13.0:1	334	FSR	JG5001-3780	827-2050-15-93C	827-063-MW	JC3080	Bore & Replate	
221834	500cc	99mm	+5mm	12.0:1	305	FSR	JG5001-3898	827-2050-15-93C	827-063-MW	JC3079	Replate or Sleeve	
<b>2004-2005 TRX 450R - PRO SERIES - 3 RING</b>												
284679	449cc	94mm	STD	12.5:1	279	FSR	JG1101-3701	827-2050-15-93C	827-050-MW	JC3043	Deglaze Only	
284680	449cc	94mm	STD	13.0:1	290	FSR	JG1101-3701	827-2050-15-93C	827-050-MW	JC3043	Deglaze Only	
284681	449cc	94mm	STD	13.8:1	297	FSR	JG1101-3701	827-2050-15-93C	827-050-MW	JC3043	Deglaze Only	
<b>2004-2005 TRX 450R - PRO SERIES - 2 RING</b>												
261546	449cc	94mm	STD	12.5:1	269	FSR	JG4201-3701	827-2050-15-93C	827-050-MW	JC3043	Deglaze Only	
261547	449cc	94mm	STD	13.8:1	279	FSR	JG4201-3701	827-2050-15-93C	827-050-MW	JC3043	Deglaze Only	
<b>2006-2014 TRX 450R</b>												
247613	449cc	96mm	STD	12.8:1	291	FSR	JG5001-3780	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
247614	449cc	96mm	STD	13.5:1	295	FSR	JG5001-3780	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
247615	468cc	98mm	+2mm	13.0:1	300	FSR	XS9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
247616	487cc	100mm	+4mm	13.0:1	312	FSR	XS10000	748-2050-16-93C	748-050-MW	Call	Sleeve	
<b>2006-2014 TRX 450R - PRO SERIES - 3 RING</b>												
274189	449cc	96mm	STD	12.8:1	274	FSR	JG5001-3780	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
274190	449cc	96mm	STD	13.5:1	276	FSR	JG5001-3780	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA CONTINUED</b>												
325026	477cc	99mm	+3mm	12.5:1	289	FSR	JG5001-3898	748-2050-16-93C	748-050-MW		Bore & Replate	M
325027	477cc	99mm	+3mm	13.5:1	294	FSR	JG5001-3898	748-2050-16-93C	748-050-MW		Bore & Replate	M
<b>2006-2014 TRX 450R - PRO SERIES - 2 RING</b>												
262283	449cc	96mm	STD	12.8:1	254	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
262284	449cc	96mm	STD	13.5:1	260	FSR	ZV9600	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
325028	477cc	99mm	+3mm	12.5:1	274	FSR	ZV9900	748-2050-16-93C	748-050-MW		Bore & Replate	M
325029	477cc	99mm	+3mm	13.5:1	279	FSR	ZV9900	748-2050-16-93C	748-050-MW		Bore & Replate	M
<b>2003-2005 TRX 650, RINCON</b>												
222094	650cc	100mm	STD	12.5:1	413	FSR	XS10000	905-2050-15-52C	905-073-MW	OEM	Deglaze Only	
<b>2008-2012 TRX 700XX</b>												
308416	686cc	102mm	STD	11.0:1	372	FSR	XS10200	945-2250-15-51C	945-073-MW	OEM	Deglaze Only	M
308417	686cc	102mm	STD	12.0:1	384	FSR	XS10200	945-2250-15-51C	945-073-MW	OEM	Deglaze Only	M
308418	713cc	104mm	+2mm	12.0:1	398	FSR	J99001-4090-5	945-2250-15-51C	945-073-MW	Call	Call	M
<b>KAWASAKI</b>												
<b>2003-2006 KFX 400</b>												
180297	398cc	90mm	STD	12.0:1	287	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
208659	398cc	90mm	STD	13.5:1	288	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
199657	416cc	92mm	+2mm	12.0:1	279	FSR	XC9200	787-2050-16-93C	787-050-MW	JC7978	Bore & Replate	M
183051	434cc	94mm	+4mm	12.0:1	303	FSR	XC9400	787-2050-16-93C	787-050-MW	JC7979	Bore & Replate	
243651	450cc	95.5mm	+5.5mm	12.0:1	311	FSR	JC2801-3760	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2003-2006 KFX 400 - PRO SERIES - 2 RING</b>												
261539	450cc	95.5mm	+5.5mm	13.5:1	266	FSR	ZV9550	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
<b>2008-2014 KFX 450</b>												
261971	449cc	96mm	STD	12.8:1	298	FSR	JG5001-3780	827-2050-15-93C	827-050-MW	Call	Deglaze Only	
261972	449cc	96mm	STD	13.5:1	304	FSR	JG5001-3780	827-2050-15-93C	827-050-MW	Call	Deglaze Only	
261973	470cc	98mm	+2mm	12.8:1	309	FSR	XS9800	827-2050-15-93C	827-050-MW	Call	Bore & Replate	
261551	470cc	98mm	+2mm	13.5:1	314	FSR	XS9800	827-2050-15-93C	827-050-MW	Call	Bore & Replate	
261975	480cc	99mm	+3mm	13.0:1	319	FSR	JG5001-3898	827-2050-15-93C	827-050-MW	Call	Call	
261976	488cc	100mm	+4mm	13.0:1	326	FSR	JG3701-3937	827-2050-15-93C	827-050-MW	Call	Call	M
<b>2008-2014 KFX 450 - PRO SERIES - 3 RING</b>												
284682	449cc	96mm	STD	12.8:1	284	FSR	JG5001-3780	827-2050-15-93C	827-050-MW	Call	Deglaze Only	
284684	449cc	96mm	STD	13.8:1	290	FSR	JG5001-3780	827-2050-15-93C	827-050-MW	Call	Deglaze Only	
<b>2008-2014 KFX 450 - PRO SERIES - 2 RING</b>												
284683	449cc	96mm	STD	12.8:1	269	FSR	ZV9600	827-2050-15-93C	827-050-MW	OEM	Deglaze Only	
261970	449cc	96mm	STD	13.8:1	283	FSR	ZV9600	827-2050-15-93C	827-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI CONTINUED</b>												
<b>2004-2010 KFX 700 / PRAIRIE 700 2004-2006</b>												
221786	797cc	87mm	+5mm	11.0:1	265	FSR	XC8700	787-2050-14-93C	787-050-MW	Call	Sleeve	M
<b>2005-2011 KVF BRUTE FORCE 750</b>												
300273	749cc	85mm	STD	9.0:1	251	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
300274	749cc	85mm	STD	10.0:1	255	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274191	749cc	85mm	STD	11.5:1	254	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274192	840cc	90mm	+5mm	11.5:1	297	Round	JG1001-3543	787-2350-14-51C	787-050-MW	Call	Sleeve	
<b>2012-2023 KVF BRUTE FORCE 750</b>												
317180	749cc	85mm	STD	9.0:1	269	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317181	749cc	85mm	STD	10.0:1	265	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317182	749cc	85mm	STD	11.5:1	270	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317183	749cc	85mm	STD	12.0:1	270	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317184	749cc	85mm	STD	12.5:1	271	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317230	840cc	90mm	+5mm	10.0:1	296	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317231	840cc	90mm	+5mm	11.5:1	297	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317232	840cc	90mm	+5mm	12.0:1	305	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317233	840cc	90mm	+5mm	12.5:1	302	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
<b>KTM</b>												
<b>2008-2009 450 XC</b>												
274221	448cc	89mm	STD	12.5:1	261	Round	JG4301-3504	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274219	448cc	89mm	STD	13.0:1	261	Round	JG4301-3504	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
<b>2009-2011 450 SX - PRO SERIES</b>												
260955	449cc	97mm	STD	12.5:1	256	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
260956	449cc	97mm	STD	13.0:1	257	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	M
260957	449cc	97mm	STD	13.5:1	261	FSR	OEM	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2008-2012 525 XC - PRO SERIES</b>												
274173	511cc	95mm	STD	12.5:1	270	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
274174	511cc	95mm	STD	13.0:1	275	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
274175	511cc	95mm	STD	13.5:1	279	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
<b>POLARIS</b>												
<b>2003-2007 PREDATOR 500 / 2006-2007 OUTLAW 500</b>												
209286	500cc	99.2mm	STD	11.0:1	363	FSR	J68001-3910-3	905-2050-15-52C	905-073-MW	JC7995	Deglaze Only	
221843	500cc	99.2mm	STD	12.5:1	375	FSR	J68001-3910-3	905-2050-15-51C	905-073-MW	JC7995	Deglaze Only	
222388	560cc	105mm	+5.8mm	12.5:1	399	FSR	J70001-4130-5	905-2250-15-51C	905-073-MW	Call	Call	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series





# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>POLARIS CONTINUED</b>												
<b>2007-2011 OUTLAW 525 - PRO SERIES</b>												
274173	511cc	95mm	STD	12.5:1	270	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
274174	511cc	95mm	STD	13.0:1	275	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
274175	511cc	95mm	STD	13.5:1	279	FSR	ZS9500	787-2050-16-93C	787-050-MW	Call	Deglaze Only	
<b>2005-2014 SPORTSMAN 800 / 2011-2017 RANGER 800</b>												
292801	760cc	80mm	STD	9.0:1	236	Round	XG8000	708-2250-18-TTC	708-050-MW	Call	Deglaze Only	
281815	760cc	80mm	STD	10.75:1	231	Round	XG8000	708-2250-14-93C	708-050-MW	Call	Deglaze Only	
324921	760cc	80mm	STD	11.5:1	236	Round	XG8000	708-2250-14-93C	708-050-MW	Call	Deglaze Only	
281816	760cc	80mm	STD	12.0:1	235	Round	XG8000	708-2250-14-93C	708-050-MW	Call	Deglaze Only	
281814	800cc	82mm	+2mm	10.75:1	243	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
324922	800cc	82mm	+2mm	11.5:1	244	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281813	800cc	82mm	+2mm	12.0:1	248	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281818	820cc	83mm	+3mm	10.75:1	247	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
324923	820cc	83mm	+3mm	11.5:1	247	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281817	820cc	83mm	+3mm	12.0:1	250	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
<b>2009-2017 XP 850 SPORTSMAN / 2013-2020 SCRAMBLER</b>												
308408	850cc	87mm	STD	11.5:1	269	Round	XC8700	787-2250-18-51C	787-050-MW	Call	Deglaze Only	M
308409	909cc	90mm	+3mm	11.5:1	289	Round	XC9000	787-2350-14-51C	787-050-MW	Call	Bore & Replate	M
308410	971cc	93mm	+6mm	11.5:1	306	Round	XC9300	787-2350-14-51C	787-050-MW	Call	Bore & Replate	M
<b>SUZUKI</b>												
<b>2003-2017 LT-Z 400</b>												
180297	398cc	90mm	STD	12.0:1	287	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
208659	398cc	90mm	STD	13.5:1	288	Round	XC9000	787-2350-10-93C	787-050-MW	OEM	Deglaze Only	
199657	416cc	92mm	+2mm	12.0:1	279	FSR	XC9200	787-2050-16-93C	787-050-MW	JC7978	Bore & Replate	M
183051	434cc	94mm	+4mm	12.0:1	303	FSR	XC9400	787-2050-16-93C	787-050-MW	JC7979	Bore & Replate	
243651	450cc	95.5mm	+5.5mm	12.0:1	311	FSR	JC2801-3760	787-2050-16-93C	787-050-MW	C7963	Bore & Replate	
<b>2003-2017 LT-Z 400 - PRO SERIES - 2 RING</b>												
261539	450cc	95.5mm	+5.5mm	13.5:1	266	FSR	ZV9550	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
<b>2006-2013 LT-R 450 / 2006-2009 LT-R 450Z</b>												
252742	450cc	95.5mm	STD	13.5:1	299	FSR	JG3701-3760	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
252743	450cc	95.5mm	STD	12.8:1	297	FSR	JG3701-3760	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
252744	474cc	98mm	+2.5mm	12.8:1	311	FSR	XS9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
252746	474cc	98mm	+2.5mm	13.9:1	317	FSR	XS9800	748-2050-16-93C	748-050-MW	Call	Bore & Replate	
252747	493cc	100mm	+4.5mm	12.8:1	322	FSR	JG3701-3937	748-2050-16-93C	748-050-MW	Call	Sleeve	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,   = Pro Series®,   = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>SUZUKI CONTINUED</b>												
<b>2006-2013 LT-R 450 / 2006-2009 LT-R 450Z - PRO SERIES - 3 RING</b>												
284753	450cc	95.5mm	STD	12.8:1	273	FSR	JG3701-3760	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
274541	450cc	95.5mm	STD	13.5:1	276	FSR	JG3701-3760	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
<b>2006-2013 LT-R 450 / 2006-2009 LT-R 450Z - PRO SERIES - 2 RING</b>												
261967	450cc	95.5mm	STD	13.5:1	271	FSR	ZV9550	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
300112	493cc	100mm	+4.5mm	13.5:1	297	FSR	ZV1000	748-2050-16-93C	748-050-MW	Call	Sleeve	
<b>YAMAHA</b>												
<b>2008-2013 YFM250R RAPTOR / 2013-2020 XT250</b>												
274194	249cc	74mm	STD	10.5:1	184	FSR	XA7400	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	**
274195	249cc	74mm	STD	12.0:1	192	FSR	XA7400	669-1650-14-TTC	669-050-MW	OEM	Deglaze Only	**
274197	263cc	76mm	+2mm	10.5:1	185	FSR	XG7600	669-1650-14-TTC	669-050-MW	Call	Call	**
274198	263cc	76mm	+2mm	12.0:1	198	FSR	XG7600	669-1650-14-TTC	669-050-MW	Call	Call	**
<b>1987-2004 YFM 350 WARRIOR/ 2005-2013 RAPTOR 350 / 2007-2014 GRIZZLY 350 / 1995-2005 WOLVERINE 350</b>												
209291	348cc	83mm	STD	12.0:1	272	Round	XG8300	748-2250-12-51C	748-050-MW	OEM	Deglaze Only	
209292	366cc	85mm	+2mm	12.0:1	289	Round	XC8500	748-2250-12-51C	748-050-MW	Call	Bore & Hone	
222085	366cc	85mm	+2mm	10.5:1	279	Round	XC8500	748-2250-12-51C	748-050-MW	Call	Bore & Hone	
<b>2007-2014 GRIZZLY 450 / 2003-2006; 2018-2020 KODIAK 450 / 2006-2010 WOLVERINE</b>												
261962	425cc	85mm	+5mm	10.5:1	262	Round	JG1001-3346	787-2250-12-51C	787-050-MW	Call	Call	
261963	430cc	85.5mm	+1mm	10.5:1	265	Round	JG1001-3366	787-2250-12-51C	787-050-MW	Call	Call	M
261964	440cc	86.5mm	+2mm	10.5:1	273	Round	JG1001-3405	787-2250-12-51C	787-050-MW	Call	Call	
<b>2004-2005 YFZ 450</b>												
221796	439cc	95mm	STD	12.5:1	288	FSR	XS9500	787-2050-16-93C	787-050-MW	JC7479	Deglaze Only	
221795	439cc	95mm	STD	13.5:1	282	FSR	XS9500	787-2050-16-93C	787-050-MW	JC7479	Deglaze Only	
221794	450cc	96mm	+1mm	13.0:1	287	FSR	JG5001-3780	787-2050-16-93C	787-050-MW	JC7479	Bore & Replate	
221793	460cc	97mm	+2mm	13.0:1	286	FSR	XS9700	787-2050-16-93C	787-050-MW	JC7502	Bore & Replate	
222086	470cc	98mm	+3mm	13.0:1	310	FSR	XS9800	787-2050-16-93C	787-050-MW	JC7502	Bore & Replate	
<b>2006-2013 YFZ 450 / 2009-2020 YFZ 450R</b>												
247957	449cc	95mm	STD	12.5:1	293	FSR	XS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
247956	449cc	95mm	STD	13.5:1	299	FSR	XS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
247953	470cc	97mm	+2mm	13.0:1	308	FSR	XS9700	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
247952	480cc	98mm	+3mm	13.0:1	316	FSR	XS9800	787-2050-16-93C	787-050-MW	Call	Bore & Replate	
<b>2006-2013 YFZ 450 / 2009-2020 YFZ 450R - PRO SERIES - 2 RING</b>												
261555	449cc	95mm	STD	13.5:1	250	FSR	ZS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2006-2013 YFZ 450 / 2009-2020 YFZ 450R - PRO SERIES - 3 RING</b>												
284685	449cc	95mm	STD	12.5:1	266	FSR	XS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
274209	449cc	95mm	STD	13.5:1	260	FSR	XS9500	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
325022	468cc	97mm	+2mm	12.5:1	283	FSR	XS9700	787-2050-16-93C	787-050-MW		Bore & Replate	M
325023	468cc	97mm	+2mm	13.5:1	285	FSR	XS9700	787-2050-16-93C	787-050-MW		Bore & Replate	M
325024	478cc	98mm	+3mm	12.5:1	285	FSR	XS9800	787-2050-16-93C	787-050-MW		Bore & Replate	M
325025	478cc	98mm	+3mm	13.5:1	287	FSR	XS9800	787-2050-16-93C	787-050-MW		Bore & Replate	M
<b>2001-2005 YFM RAPTOR 660, 2002-2007 GRIZZLY</b>												
272144	660cc	100mm	STD	10.75:1	400	Round	XH10000	866-2500-15-51C	866-063-MW	OEM	Deglaze Only	
272145	660cc	100mm	STD	12.0:1	419	Round	XH10000	866-2500-15-51C	866-063-MW	OEM	Deglaze Only	
272146	673cc	101mm	+1mm	10.75:1	384	Round	XH10100	866-2500-15-51C	866-063-MW	JC7277	Bore & Hone	
272147	673cc	101mm	+1mm	12.0:1	404	Round	XH10100	866-2500-15-51C	866-063-MW	JC7277	Bore & Hone	
272148	686cc	102mm	+2mm	10.75:1	399	Round	XH10200	866-2500-15-51C	866-063-MW	JC7920	Bore & Hone	
272149	686cc	102mm	+2mm	12.0:1	411	Round	XH10200	866-2500-15-51C	866-063-MW	JC7920	Bore & Hone	
314758	727cc	105mm	+5mm	12.0:1	454	Round	J75001-4130-5	866-2850-15-51C	866-063-MW	JC7909	JE4325B	3, *
<b>2001-2005 YFM RAPTOR 660, 2002-2007 GRIZZLY - PRO SERIES</b>												
261524	660cc	100mm	STD	10.0:1	361	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	
261525	660cc	100mm	STD	11.0:1	367	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	
261526	673cc	100mm	STD	12.0:1	380	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Bore & Hone	
261527	673cc	102mm	+2mm	10.0:1	380	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	
261528	686cc	102mm	+2mm	11.0:1	382	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	
261529	686cc	102mm	+2mm	12.0:1	402	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	
261530	727cc	105mm	+5mm	10.0:1	417	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
261531	727cc	105mm	+5mm	11.0:1	412	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
261532	727cc	105mm	+5mm	12.0:1	417	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
<b>2001-2005 RAPTOR 660, 2002-2007 GRIZZLY - PRO SERIES (4MM STROKER)</b>												
262289	719cc	102mm	+2mm	11.0:1	353	FSR	JC3401-4016	866-2050-15-93C	866-063-MW		Bore & Hone	
300111	762cc	105mm	+5mm	11.0:1	401	FSR	JG4401-4135-2	866-2250-15-93C	866-063-MW		JE4325B	3, *
<b>2006-2014 RAPTOR 700 / 2007-2013 GRIZZLY</b>												
300175	686cc	102mm	STD	10.0:1	319	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
300176	686cc	102mm	STD	11.0:1	336	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
300177	686cc	102mm	STD	12.5:1	358	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
284761	700cc	103mm	+1mm	12.5:1	368	FSR	J99001-4050-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	M
247949	714cc	104mm	+2mm	11.4:1	368	FSR	J99001-4090-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
284765	735cc	105.5mm	+3.5mm	10.0:1	346	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	
284766	735cc	105.5mm	+3.5mm	11.0:1	366	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	
284767	735cc	105.5mm	+3.5mm	12.5:1	385	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	

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# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
300181	741cc	106mm	+4mm	11.0:1	366	FSR	J75001-4165-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
300182	741cc	106mm	+4mm	12.5:1	390	FSR	J75001-4165-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
<b>2014-2015 &amp; 2019-2023 YAMAHA GRIZZLY 700 / 2015-2023 YAMAHA YFM700R RAPTOR / 2019-2023 KODIAK</b>												
324101	686cc	102mm	STD	10.0:1	379	FSR	JG1001-4016	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	M
324102	686cc	102mm	STD	11.0:1	383	FSR	JG1001-4016	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	M
324104	700cc	103mm	+1mm	10.0:1	382	FSR	J91501-4050-5	905-2250-15-TSC	905-073-MW	OEM	Bore & Replate	M
324105	700cc	103mm	+1mm	11.0:1	385	FSR	J91501-4050-5	905-2250-15-TSC	905-073-MW	OEM	Bore & Replate	M

## UTV

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>ARCTIC CAT</b>												
<b>2012-2014 ARCTIC CAT 1000I WILD CAT / 2009-2017 PROWLER 1000 / 2009-2017 TRV 1000</b>												
317191	951cc	92mm	STD	8.5:1	289	FSR	JG1001-3622	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	M
317192	951cc	92mm	STD	9.5:1	291	FSR	JG1001-3622	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
317193	951cc	92mm	STD	10.5:1	293	FSR	JG1001-3622	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	M
317194	951cc	92mm	STD	11.5:1	305	FSR	JG1001-3622	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
317195	951cc	92mm	STD	12.5:1	315	FSR	JG1001-3622	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
317196	994cc	94mm	+2mm	9.5:1	295	FSR	JG1001-3701	787-2050-16-93C	787-050-MW	Call	Bore & Replate	M
317197	994cc	94mm	+2mm	10.5:1	297	FSR	JG1001-3701	787-2050-16-93C	787-050-MW	Call	Bore & Replate	M
317198	994cc	94mm	+2mm	11.5:1	310	FSR	JG1001-3701	787-2050-16-93C	787-050-MW	Call	Bore & Replate	M
317199	994cc	94mm	+2mm	12.5:1	321	FSR	JG1001-3701	787-2050-16-93C	787-050-MW	Call	Bore & Replate	M
<b>BOMBARDIER / CAN-AM</b>												
<b>2017-2019 CAN-AM MAVERICK X3 TURBO</b>												
366830	900cc	74mm	STD	9.5:1	Call	FSR	XC7400	708-2050-16-93C	708-050-MW	OEM	Deglaze Only	
<b>2011-2017 COMMANDER 1000 X / 2016-2018 DEFENDER / 2018 TRAXTER</b>												
308411	976cc	91mm	STD	9.0:1	315	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** , M
308412	976cc	91mm	STD	10.2:1	320	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** , M
308413	976cc	91mm	STD	11.0:1	324	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	** , M
308414	976cc	91mm	STD	12.5:1	333	FSR	JG1001-3583	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	**
308415	1018cc	93mm	+2mm	12.5:1	377	FSR	JG1001-3661	866-2050-15-93C	866-063-MW	Call	Bore & Hone	**
<b>2014-2015 CAN-AM MAVERICK 1000 X RS DPS</b>												
324951	976cc	91mm	STD	9.0:1	316	FSR	JG1001-3583	866-2250-15-93C	866-063-MW	OEM	Deglaze Only	
324952	976cc	91mm	STD	12.0:1	317	FSR	JG1001-3583	866-2250-15-93C	866-063-MW	OEM	Deglaze Only	
324953	976cc	91mm	STD	12.5:1	314	FSR	JG1001-3583	866-2250-15-93C	866-063-MW	OEM	Deglaze Only	
324954	976cc	91mm	STD	13.0:1	313	FSR	JG1001-3583	866-2250-15-93C	866-063-MW	OEM	Deglaze Only	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HONDA</b>												
<b>2020-2021 PIONEER 1000 / 2019 TALON 1000R / 1000X</b>												
366833	999cc	92mm	STD	9.0:1	Call	FSR	JG1001-3622	866-2250-23-93C	866-063-MW	OEM	Deglaze Only	
366831	999cc	92mm	STD	11.0:1	Call	FSR	JG1001-3622	866-2500-15-93C	866-063-MW	OEM	Deglaze Only	
<b>2020-2021 PIONEER 1000 / 2019 TALON 1000R / 1000X ULTRA SERIES</b>												
379446	999cc	92mm	STD	9.0:1	Call	FSR	JG1001-3622	866-2250-23-93C	866-063-MW	OEM	Deglaze Only	ULTRA
379447	999cc	92mm	STD	11.0:1	Call	FSR	JG1001-3622	866-2250-23-93C	866-063-MW	OEM	Deglaze Only	ULTRA
<b>JOHN DEERE</b>												
<b>2013 JOHN DEERE RSX850I</b>												
317220	839cc	88mm	STD	10.5:1	286	FSR	XC8800	866-2050-15-51C	866-063-MW	OEM	Deglaze Only	M
317221	839cc	88mm	STD	11.5:1	298	FSR	XC8800	866-2050-15-51C	866-063-MW	OEM	Deglaze Only	M
317222	878cc	90mm	2mm	10.5:1	290	FSR	XC9000	866-2050-15-51C	866-063-MW	Call	Bore and Replate	M
317223	878cc	90mm	2mm	11.5:1	302	FSR	XC9000	866-2050-15-51C	866-063-MW	Call	Bore and Replate	M
<b>KAWASAKI</b>												
<b>2011 KRF TERYX 750</b>												
300273	749cc	85mm	STD	9.0:1	251	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
300274	749cc	85mm	STD	10.0:1	255	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274191	749cc	85mm	STD	11.5:1	254	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
274192	840cc	90mm	+5mm	11.5:1	297	Round	JG1001-3543	787-2350-14-51C	787-050-MW	Call	Sleeve	
<b>2012-2013 KRF TERYX 750</b>												
317180	749cc	85mm	STD	9.0:1	269	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317181	749cc	85mm	STD	10.0:1	265	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317182	749cc	85mm	STD	11.5:1	270	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317183	749cc	85mm	STD	12.0:1	270	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317184	749cc	85mm	STD	12.5:1	271	Round	JG1001-3346	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	M
317230	840cc	90mm	+5mm	10.0:1	296	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317231	840cc	90mm	+5mm	11.5:1	297	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317232	840cc	90mm	+5mm	12.0:1	305	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
317233	840cc	90mm	+5mm	12.5:1	302	Round	JG1001-3543	787-2250-14-93C	787-050-MW	Call	Bore & Replate	M
<b>2020 TERYX KRX 1000</b>												
378851	999cc	92mm	STD	9.5:1	312	FSR	JG1001-3622	827-2250-21-93C	787-050-MW	OEM	Deglaze Only	
378852	999cc	92mm	STD	11.5:1	317	FSR	JG1001-3622	827-2250-21-93C	787-050-MW	OEM	Deglaze Only	
<b>2020 TERYX KRX 1000 ULTRA SERIES</b>												
379448	999cc	92mm	STD	9.5:1	315	FSR	JG1001-3622	827-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379449	999cc	92mm	STD	11.5:1	319	FSR	JG1001-3622	827-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>POLARIS</b>												
<b>2007-2014 RZR 800 / 2009-2014 RZR S 800</b>												
292801	760cc	80mm	STD	9.0:1	236	Round	XG8000	708-2250-18-TTC	708-050-MW	OEM	Deglaze Only	
281815	760cc	80mm	STD	10.75:1	231	Round	XG8000	708-2250-14-93C	708-050-MW	OEM	Deglaze Only	
324921	760cc	80mm	STD	11.5:1	236	Round	XG8000	708-2250-14-93C	708-050-MW	OEM	Deglaze Only	
281816	760cc	80mm	STD	12.0:1	235	Round	XG8000	708-2250-14-93C	708-050-MW	OEM	Deglaze Only	
281814	800cc	82mm	+2mm	10.75:1	243	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
324922	800cc	82mm	+2mm	11.5:1	244	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281813	800cc	82mm	+2mm	12.0:1	248	Round	XG8200	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281818	820cc	83mm	+3mm	10.75:1	247	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
324923	820cc	83mm	+3mm	11.5:1	247	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
281817	820cc	83mm	+3mm	12.0:1	250	Round	XG8300	708-2250-14-93C	708-050-MW	Call	Bore & Replate	
<b>2011-2014 RZR XP 900</b>												
363679	900cc	93mm	STD	9.0:1	283	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363680	900cc	93mm	STD	10.5:1	264	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363681	900cc	93mm	STD	11.0:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363682	900cc	93mm	STD	11.5:1	273	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363683	900cc	93mm	STD	12.0:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
306363	912cc	95mm	+2mm	8.0:1	295	FSR	XS9500	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*, M
306364	912cc	95mm	+2mm	9.0:1	297	FSR	XS9500	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*, M
306365	912cc	95mm	+2mm	10.5:1	277	FSR	XS9500	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306366	912cc	95mm	+2mm	11.0:1	282	FSR	XS9500	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306367	912cc	95mm	+2mm	11.5:1	288	FSR	XS9500	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306368	912cc	95mm	+2mm	12.0:1	290	FSR	XS9500	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306369	932cc	96mm	+3mm	8.0:1	299	FSR	JG5001-3780	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*, M
306370	932cc	96mm	+3mm	9.0:1	303	FSR	JG5001-3780	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*, M
306371	932cc	96mm	+3mm	10.5:1	284	FSR	JG5001-3780	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306372	932cc	96mm	+3mm	11.0:1	288	FSR	JG5001-3780	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*
306373	932cc	96mm	+3mm	11.5:1	293	FSR	JG5001-3780	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*
306374	932cc	96mm	+3mm	12.0:1	299	FSR	JG5001-3780	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306375	971cc	98mm	+5mm	8.0:1	311	FSR	XS9800	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*, M
306376	971cc	98mm	+5mm	9.0:1	316	FSR	XS9800	787-2050-18-TTC	787-050-MW	Call	Bore & Hone	*
306377	971cc	98mm	+5mm	10.5:1	298	FSR	XS9800	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306378	971cc	98mm	+5mm	11.0:1	299	FSR	XS9800	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*
306379	971cc	98mm	+5mm	11.5:1	304	FSR	XS9800	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*, M
306380	971cc	98mm	+5mm	12.0:1	310	FSR	XS9800	787-2050-16-93C	787-050-MW	Call	Bore & Hone	*

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>POLARIS CONTINUED</b>												
<b>2011-2014 RZR XP 900 ULTRA SERIES</b>												
379450	900cc	93mm	STD	9.0:1	283	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379451	900cc	93mm	STD	10.5:1	264	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
<b>2014-2023 POLARIS RZR XP 1000 / 2016-2023 GENERAL 1000 XP / 2018-2020 RS1</b>												
363684	999cc	93mm	STD	9.5:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363685	999cc	93mm	STD	10.5:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363686	999cc	93mm	STD	11.0:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363687	999cc	93mm	STD	11.5:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
363688	999cc	93mm	STD	12.0:1	Call	FSR	JG1001-3661	787-2050-16-93C	787-050-MW	OEM	Deglaze Only	
<b>2014-2023 POLARIS RZR XP 1000 / 2016-2023 GENERAL 1000 XP / 2018-2020 RS1 ULTRA SERIES</b>												
379454	999cc	93mm	STD	9.5:1	Call	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379455	999cc	93mm	STD	10.5:1	Call	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
<b>2016-2020 POLARIS RZR XP TURBO</b>												
378853	925cc	93mm	STD	9.0:1	Call	FSR	JG1001-3661	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
378854	925cc	93mm	STD	9.5:1	Call	FSR	JG1001-3661	787-2250-14-93C	787-050-MW	OEM	Deglaze Only	
<b>2016-2020 POLARIS RZR XP TURBO ULTRA SERIES</b>												
379457	925cc	93mm	STD	9.0:1	Call	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
379458	925cc	93mm	STD	9.5:1	Call	FSR	JG1001-3661	787-2250-21-93C	787-050-MW	OEM	Deglaze Only	ULTRA
<b>YAMAHA</b>												
<b>2006-2009 RHINO 450</b>												
261962	425cc	85mm	+ .5mm	10.5:1	262	Round	JG1001-3346	787-2250-12-51C	787-050-MW	Call	Call	
261963	430cc	85.5mm	+1mm	10.5:1	265	Round	JG1001-3366	787-2250-12-51C	787-050-MW	Call	Call	M
261964	440cc	86.5mm	+2mm	10.5:1	273	Round	JG1001-3405	787-2250-12-51C	787-050-MW	Call	Call	
<b>2006-2008 RHINO</b>												
272144	660cc	100mm	STD	10.75:1	400	Round	XH10000	866-2500-15-51C	866-063-MW	OEM	Deglaze Only	
272145	660cc	100mm	STD	12.0:1	419	Round	XH10000	866-2500-15-51C	866-063-MW	OEM	Deglaze Only	
272146	673cc	101mm	+1mm	10.75:1	384	Round	XH10100	866-2500-15-51C	866-063-MW	JC7277	Bore & Hone	
272147	673cc	101mm	+1mm	12.0:1	404	Round	XH10100	866-2500-15-51C	866-063-MW	JC7277	Bore & Hone	
272148	686cc	102mm	+2mm	10.75:1	399	Round	XH10200	866-2500-15-51C	866-063-MW	JC7920	Bore & Hone	
272149	686cc	102mm	+2mm	12.0:1	411	Round	XH10200	866-2500-15-51C	866-063-MW	JC7920	Bore & Hone	
314758	727cc	105mm	+5mm	12.0:1	454	Round	J75001-4130-5	866-2850-15-51C	866-063-MW	JC7909	JE4325B	3, *
<b>2006-2007 RHINO - PRO SERIES</b>												
261524	660cc	100mm	STD	10.0:1	361	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	
261525	660cc	100mm	STD	11.0:1	367	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Deglaze Only	
261526	673cc	100mm	STD	12.0:1	380	FSR	JG3701-3937	866-2050-15-93C	866-063-MW	OEM	Bore & Hone	
261527	673cc	102mm	+2mm	10.0:1	380	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	



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# POWERSPORTS *ATV/UTV*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA CONTINUED</b>												
<b>2006-2007 RHINO - PRO SERIES CONTINUED</b>												
261528	686cc	102mm	+2mm	11.0:1	382	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	
261529	686cc	102mm	+2mm	12.0:1	402	FSR	XS10200	866-2050-15-93C	866-063-MW	JC7920	Bore & Hone	
261530	727cc	105mm	+5mm	10.0:1	417	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
261531	727cc	105mm	+5mm	11.0:1	412	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
261532	727cc	105mm	+5mm	12.0:1	417	FSR	J70001-4130-5	866-2250-15-93C	866-063-MW	JC7909	JE4325B	3,**
<b>2006-2007 RHINO - PRO SERIES (4MM STROKER)</b>												
262289	719cc	102mm	+2mm	11.0:1	353	FSR	JC3401-4016	866-2050-15-93C	866-063-MW		Bore & Hone	
300111	762cc	105mm	+5mm	11.0:1	401	FSR	JG4401-4135-2	866-2250-15-93C	866-063-MW		JE4325B	3,*
<b>2008-2014 RHINO 700</b>												
300175	686cc	102mm	STD	10.0:1	319	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
300176	686cc	102mm	STD	11.0:1	336	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
300177	686cc	102mm	STD	12.5:1	358	FSR	J99001-4010-5	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	
284761	700cc	103mm	+1mm	12.5:1	368	FSR	J99001-4050-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	M
247949	714cc	104mm	+2mm	11.4:1	368	FSR	J99001-4090-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
284765	735cc	105.5mm	+3.5mm	10.0:1	346	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	
284766	735cc	105.5mm	+3.5mm	11.0:1	366	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	
284767	735cc	105.5mm	+3.5mm	12.5:1	385	FSR	J790U1-4150-5	905-2250-15-TSC	905-073-MW	Call	Bore & Replate	
300181	741cc	106mm	+4mm	11.0:1	366	FSR	J75001-4170-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
300182	741cc	106mm	+4mm	12.5:1	390	FSR	J75001-4170-5	905-2250-15-52C	905-073-MW	Call	Bore & Replate	
<b>2014-2024 YAMAHA VIKING</b>												
324101	686cc	102mm	STD	10.0:1	379	FSR	JG1001-4016	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	M
324102	686cc	102mm	STD	11.0:1	383	FSR	JG1001-4016	905-2250-15-TSC	905-073-MW	OEM	Deglaze Only	M
324104	700cc	103mm	+1mm	10.0:1	382	FSR	J91501-4050-5	905-2250-15-TSC	905-073-MW	OEM	Bore & Replate	M
324105	700cc	103mm	+1mm	11.0:1	385	FSR	J91501-4050-5	905-2250-15-TSC	905-073-MW	OEM	Bore & Replate	M
<b>2016-2024 YAMAHA YXZ1000</b>												
345192	998cc	80mm	STD	9.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345193	998cc	80mm	STD	11.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345194	998cc	80mm	STD	12.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345195	998cc	80mm	STD	13.0:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	



Footnotes | Q = Mini Sprint Kit, L = Limited Availability, T = Accepts Turbo and Nitrous, Y = Pro Mod, M = Made to Order, \* = Fits 1mm oversize valves  
 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121,  = Pro Series®,  = Ultra Series



# THE BEURRIER FAMILY

## ROCKSTAR CUSTOM MOTORSPORTS RACING

Ultra Series Pistons for Polaris RZR Turbo



POWERSPORTS

UTV



“ We have been using JE Pistons in our off-road race UTVs for several years now. We have not had any engine failures since we switched to JE. We highly recommend them to everyone for race or play! ”



# WATER & SNOW

*Kawasaki | Sea Doo | Ski Doo | Yamaha*

Four-stroke engines have made a noticeable impact in the world of snowmobiles and personal watercraft with manufacturers being able to offer a balance of fuel efficiency, quiet operation, and performance thanks to ECU tuning and fuel injection. True adrenaline junkies and horsepower enthusiasts always see the extra power potential, which is where the high-compression and turbo-motivated engine builds come into play. With applications covering a wide variety of popular engines, JE offers pistons tailored to the performance you're looking for. Forged and engineered for use in extreme conditions, JE Pistons can provide a competitive edge for your four-stroke sled or PWC.





Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>KAWASAKI - WATER</b>												
<b>2007-2008 ULTRA 250X / 2009-2011 ULTRA 260X</b>												
274213	1498cc	83mm	STD	9.5:1	279	Round	JG1001-3268	827-2250-15-93C	827-050-MW	OEM	Deglaze Only	T
290051	1498cc	83mm	STD	10.5:1	279	Round	JG1001-3268	827-2250-15-93C	827-050-MW	OEM	Deglaze Only	T
<b>2011-2013 ULTRA 300X</b>												
300271	1498cc	83mm	STD	9.5:1	281	Round	JG1001-3268	827-2250-15-93C	827-050-MW	OEM	Deglaze Only	T, M
300272	1498cc	83mm	STD	10.5:1	284	Round	JG1001-3268	827-2250-15-93C	827-050-MW	OEM	Deglaze Only	T, M
<b>SEA DOO - WATER</b>												
<b>2004-2015 SEA DOO RXP/RXP-X/RXT/RXT-X</b>												
308432	1493cc	100mm	STD	8.4:1	418	FSR	JG3701-3937	905-2250-18-93C	905-073-MW	OEM	Deglaze Only	T
308433	1493cc	100mm	STD	9.5:1	409	FSR	JG3701-3937	905-2250-18-93C	905-073-MW	OEM	Deglaze Only	T
308434	1493cc	100mm	STD	10.0:1	415	FSR	JG3701-3937	905-2250-18-93C	905-073-MW	OEM	Deglaze Only	T
308438	1508cc	100.5mm	+.5mm	8.4:1	420	FSR	JG1001-3957	905-2250-18-93C	905-073-MW	Call	Bore & Hone	M, T
308439	1508cc	100.5mm	+.5mm	9.5:1	413	FSR	JG1001-3957	905-2250-18-93C	905-073-MW	Call	Bore & Hone	M, T
308440	1508cc	100.5mm	+.5mm	10.0:1	421	FSR	JG1001-3957	905-2250-18-93C	905-073-MW	Call	Bore & Hone	M, T
<b>SKI DOO - SNOW</b>												
<b>2009-2019 SKI DOO 1200 4-TEC</b>												
292323*	1170cc	91mm	STD	10.0:1	341	Round	JG1001-3583	866-2500-17-93C	866-063-MH	OEM	Call	
*Oil squirter must be modified for installation												
<b>YAMAHA - WATER</b>												
<b>2009-2013 FX SHO 1800</b>												
289959	1812cc	86mm	STD	8.6:1	319	Round	JG1004-3386	866-2250-17-TSC	866-063-MW	OEM	Deglaze Only	T
292314	1812cc	86mm	STD	9.5:1	321	Round	JG1004-3386	866-2250-17-TSC	866-063-MW	OEM	Deglaze Only	T
308631	1812cc	86mm	STD	10.5:1	330	Round	JG1004-3386	866-2250-17-TSC	866-063-MW	OEM	Deglaze Only	M, T
308632	1812cc	86mm	STD	11.0:1	336	Round	JG1004-3386	866-2250-17-TSC	866-063-MW	OEM	Deglaze Only	M, T
308633	1832cc	86.5mm	+.5mm	8.6:1	323	Round	JG1004-3405	866-2250-17-TSC	866-063-MW	Call	Bore & Hone	M, T
308634	1832cc	86.5mm	+.5mm	9.5:1	328	Round	JG1004-3405	866-2250-17-TSC	866-063-MW	Call	Bore & Hone	M, T
308635	1832cc	86.5mm	+.5mm	10.5:1	334	Round	JG1004-3405	866-2250-17-TSC	866-063-MW	Call	Bore & Hone	M, T
308636	1832cc	86.5mm	+.5mm	11.0:1	342	Round	JG1004-3405	866-2250-17-TSC	866-063-MW	Call	Bore & Hone	M, T
<b>YAMAHA - SNOW</b>												
<b>2008-2015 FX / RTX NYTRO</b>												
317206	1049cc	82mm	STD	9.5:1	230	Round	XG8200	748-2250-14-95C	748-050-MW	OEM	Deglaze Only	M

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS *WATER & SNOW*

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>YAMAHA - SNOW CONTINUED</b>												
<b>2005-2009 RS VECTOR / RAGE 2006-2007 NYTRO / 2005-2018 RS VENTURE</b>												
247936	973cc	79mm	STD	13.0:1	196	FSR	XG7900	748-1650-14-93C	748-050-MW	OEM	Deglaze Only	
<b>2003-07 RX1-WARRIOR / 06-10 APEX / 2006-07 ATTACK</b>												
262326	998cc	74mm	STD	9.0:1	191	Round	XA7400	669-2050-14-TSC	669-050-MW	OEM	Deglaze Only	T
247958	998cc	74mm	STD	10.0:1	182	Round	XA7400	669-2050-14-TSC	669-050-MW	OEM	Deglaze Only	T
174998	998cc	74mm	STD	13.0:1	177	Round	OEM	669-2050-11-52C	669-050-MW	OEM	Deglaze Only	M
222096	998cc	74mm	STD	13.0:1	163	FSR	XA7400	669-1650-14-TTC	669-050-MW	Call	Deglaze Only	M
221392	1029cc	75mm	+1mm	13.0:1	156	FSR	XG7500	669-1650-14-TTC	669-050-MW	Call	Bore & Replate	M
222095	1052cc	76mm	+2mm	13.0:1	171	FSR	XG7600	669-1650-14-TTC	669-050-MW	Call	Resleeve	
<b>2017-2020 SIDEWINDER R-TX TURBO</b>												
371844	998cc	80mm	STD	8.5:1	229	FSR	XG8000	827-2050-15-93C	827-050-MW	OEM	Deglaze Only	
<b>2017-2024 YAMAHA SR VIPER</b>												
345192	998cc	80mm	STD	9.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345193	998cc	80mm	STD	11.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345194	998cc	80mm	STD	12.5:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	
345195	998cc	80mm	STD	13.0:1	NEW	FSR	XG8000	748-2050-16-93C	748-050-MW	OEM	Deglaze Only	



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STEVE CIERVO  
KAWI PERFORMANCE



## POWERSPORTS WATER



“ JE Pistons has the highest quality and highest craftsmanship in the industry. Our JE-KP pistons are sold to racers all over the world, adding unbeatable reliability to engines that see serious boost and RPM. ”



# V-TWIN

The JE Pistons legacy rings true with a rich history in V-Twin performance. From riders just looking for a reliable rebuild or more power to high-level Pro Stock and Top Fuel V-Twin racing, JE Pistons has molded its experience into stout, high-performance pistons available off-the-shelf. Whether you're bumping up the displacement on a Twin Cam or Sportster or looking for more juice out of your new Milwaukee 8, JE's forged pistons for Harley Davidson and other V-Twin engine platforms are available in a variety of overbore and compression ratio options. Plus, JE's Ultra Series are now available for extreme performance M8 builds! Look for the part numbers highlighted in gold.





Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HARLEY-DAVIDSON®</b>												
<b>1978-1984 SHOVELHEAD® 80"</b>												
135846	1342cc	3.503"	+.005"	9.5:1	424	Round	J140F1-3503	791-2500-14-51C	787-050-MW	JC9799	Bore & Hone	M
135848	1353cc	3.518"	+.020"	9.5:1	432	Round	J140F1-3518	791-2500-14-51C	787-050-MW	JC9799	Bore & Hone	M
135849	1361cc	3.528"	+.030"	9.5:1	434	Round	J140F1-3528	791-2500-14-51C	787-050-MW	JC9799	Bore & Hone	M
133443	1342cc	3.503"	+.005"	10.5:1	448	Round	J140F1-3503	791-2500-14-51C	787-050-MW	JC9799	Bore & Hone	M
133446	1361cc	3.528"	+.030"	10.5:1	461	Round	J140F1-3528	791-2500-14-51C	787-050-MW	JC9799	Bore & Hone	M
<b>1978-1984 SHOVELHEAD® 89"</b>												
138673	1438cc	3.625"	STD	10.5:1	456	Round	J150F1-3625	791-2500-14-51C	787-050-MW	JC9713	Deglaze Only	
138675	1453cc	3.635"	+.010"	10.5:1	454	Round	J160F1-3635	791-2500-14-51C	787-050-MW	JC9713	Bore & Hone	M
<b>1984-2001 1200 SPORTSTER®</b>												
133736	1200cc	3.498"	STD	9.0:1	343	Round	J140F1-3498	791-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
133738	1208cc	3.508"	+.010"	9.0:1	352	Round	J140F1-3508	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133739	1214cc	3.518"	+.020"	9.0:1	350	Round	J140F1-3518	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133740	1222cc	3.528"	+.030"	9.0:1	358	Round	J140F1-3528	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
132985	1200cc	3.498"	STD	10.5:1	355	Round	J140F1-3498	791-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
132986	1205cc	3.503"	+.005"	10.5:1	359	Round	J140F1-3503	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
132987	1208cc	3.508"	+.010"	10.5:1	358	Round	J140F1-3508	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
132989	1222cc	3.528"	+.030"	10.5:1	367	Round	J140F1-3528	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
<b>1985-2004 883 / 1200 SPORTSTER® - CONVERSION KIT</b>												
129856*	1200cc	3.498"	STD	9.5:1	332	Round	J140F1-3498	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	
129587*	1205cc	3.503"	+.005"	9.5:1	333	Round	J140F1-3503	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
136335*	1214cc	3.518"	+.020"	9.5:1	342	Round	J140F1-3518	791-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
<b>*Fits 1mm Oversize Valves</b>												
<b>BUELL® S1, WHITE LIGHTNING - S3/S3T, THUNDERBOLT - 101HP W/ THUNDERSTORM HEADS</b>												
161949	1200cc	3.498"	STD	10.0:1	334	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	L
161950	1207cc	3.508"	+.010"	10.0:1	337	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
161951	1214cc	3.518"	+.020"	10.0:1	340	Round	J140F1-3518	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
161952	1221cc	3.528"	+.030"	10.0:1	341	Round	J140F1-3528	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
<b>1985-1999 EVO 80"</b>												
125329	1340cc	3.498"	STD	8.5:1	358	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
124962	1342cc	3.503"	+.005"	8.5:1	361	Round	J140F1-3503	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
126943	1345cc	3.508"	+.010"	8.5:1	364	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
125330	1340cc	3.498"	STD	9.5:1	378	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
124846	1342cc	3.503"	+.005"	9.5:1	379	Round	J140F1-3503	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
124847	1345cc	3.508"	+.010"	9.5:1	379	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
124848	1353cc	3.518"	+.020"	9.5:1	381	Round	J140F1-3518	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M

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Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HARLEY-DAVIDSON® CONTINUED</b>												
<b>1985-1999 EVO 80" (CONTINUED)</b>												
124849	1361cc	3.528"	+ .030"	9.5:1	383	Round	J140F1-3528	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133731	1340cc	3.498"	STD	10.0:1	393	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
133732	1342cc	3.503"	+ .005"	10.0:1	392	Round	J140F1-3503	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133733	1345cc	3.508"	+ .010"	10.0:1	396	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133734	1353cc	3.518"	+ .020"	10.0:1	391	Round	J140F1-3518	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
133735	1361cc	3.528"	+ .030"	10.0:1	404	Round	J140F1-3528	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
134092	1340cc	3.498"	STD	10.5:1	399	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
134093	1342cc	3.503"	+ .005"	10.5:1	404	Round	J140F1-3503	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
134094	1345cc	3.508"	+ .010"	10.5:1	403	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
134095	1353cc	3.518"	+ .020"	10.5:1	408	Round	J140F1-3518	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
<b>1985-1999 EVO 87" - BIG BORE</b>												
161939	1437cc	3.625"	STD	9.25:1	367	Round	J150F1-3625	792-2500-14-51C	787-050-MW	JC9691	Bore & Hone	M
161941	1446cc	3.635"	+ .010"	9.25:1	368	Round	J160F1-3635	792-2500-14-51C	787-050-MW	JC9691	Bore & Hone	M
161946	1453cc	3.645"	+ .020"	10.25:1	404	Round	J120F1-3645	792-2500-14-51C	787-050-MW	JC9691	Bore & Hone	L
<b>1985-1999 EVO 96" - BIG BORE (4 5/8 STROKER)</b>												
161947	1564cc	3.625"	STD	9.5:1	345	Round	J150F1-3625	792-2500-14-51C	787-050-MW	JC9691	Deglaze Only	M
161948	1572cc	3.635"	+ .010"	9.5:1	348	Round	J160F1-3635	792-2500-14-51C	787-050-MW	JC9691	Bore & Hone	M
<b>1340 EVO EDELBROCK</b>												
309878	1340cc	3.498"	STD	9.0:1	345	Round	J140F1-3498	792-2500-14-51C	787-050-MW	JC9689	Deglaze Only	M
309879	1342cc	3.503"	+ .005"	9.0:1	346	Round	J140F1-3503	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
309880	1345cc	3.508"	+ .010"	9.0:1	347	Round	J140F1-3508	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
309881	1353cc	3.518"	+ .020"	9.0:1	350	Round	J140F1-3518	792-2500-14-51C	787-050-MW	JC9689	Bore & Hone	M
<b>1999-2006 TWIN CAM® 88"</b>												
161933	1455cc	3.760"	+ .010"	10.25:1	390	Round	JG100F1-3756-5	927-2500-15-51C	927-073-MW	JC9745	Bore & Hone	M
161934	1463cc	3.770"	+ .020"	10.25:1	390	Round	J100F1-3766-5	927-2500-15-51C	927-073-MW	JC9745	Bore & Hone	M
<b>1996-2014 TWIN CAM® 95"</b>												
324712	1545cc	3.875	STD	9.25:1	369	FSR	VM3875	927-2250-15-51C	927-073-MW		Deglaze Only	
324713	1549cc	3.880	0.005	9.25:1	369	FSR	VM3880	927-2250-15-51C	927-073-MW		Bore & Hone	
324714	1553cc	3.885	0.01	9.25:1	370	FSR	VM3885	927-2250-15-51C	927-073-MW		Bore & Hone	M
324715	1561cc	3.895	0.02	9.25:1	373	FSR	VM3895	927-2250-15-51C	927-073-MW		Bore & Hone	M
324716	1545cc	3.875	STD	10.5:1	401	FSR	VM3875	927-2250-15-51C	927-073-MW		Deglaze Only	
324717	1549cc	3.880	0.005	10.5:1	397	FSR	VM3880	927-2250-15-51C	927-073-MW		Bore & Hone	
324718	1553cc	3.885	0.01	10.5:1	395	FSR	VM3885	927-2250-15-51C	927-073-MW		Bore & Hone	M
324719	1561cc	3.895	0.02	10.5:1	397	FSR	VM3895	927-2250-15-51C	927-073-MW		Bore & Hone	M
<b>2007-2014 TWIN CAM® 96" - FLAT TOP</b>												
262381	1584cc	3.750"	STD	9.3:1	332	Round	XK3750	927-2500-15-51C	927-073-MW		Deglaze Only	
262383	1589cc	3.755"	+ .005"	9.3:1	336	Round	XK3755	927-2500-15-51C	927-073-MW		Bore & Hone	
262385	1594cc	3.760"	+ .010"	9.3:1	337	Round	XK3760	927-2500-15-51C	927-073-MW		Bore & Hone	

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series





Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HARLEY-DAVIDSON® CONTINUED</b>												
<b>2007-2014 TWIN CAM® 96" - DOME</b>												
262382	1584cc	3.750"	STD	10.25:1	337	Round	XK3750	927-2500-15-51C	927-073-MW		Deglaze Only	
262384	1589cc	3.755"	+ .005"	10.25:1	339	Round	XK3755	927-2500-15-51C	927-073-MW		Bore & Hone	
262386	1594cc	3.760"	+ .010"	10.25:1	338	Round	XK3760	927-2500-15-51C	927-073-MW		Bore & Hone	
<b>1996-2014 TWIN CAM® 98"</b>												
324720	1595cc	3.937	STD	9.5:1	385	FSR	JG1001-3937	927-2250-15-51C	927-073-MW		Deglaze Only	M
324721	1595cc	3.937	STD	10.0:1	395	FSR	JG1001-3937	927-2250-15-51C	927-073-MW		Deglaze Only	M
324722	1595cc	3.937	STD	10.5:1	403	FSR	JG1001-3937	927-2250-15-51C	927-073-MW		Deglaze Only	M
<b>1996-2015 TWIN CAM® 103" - DOES NOT FIT RUSHMORE LIQUID COOLED HEADS</b>												
324723	1691cc	3.875	STD	9.0:1	345	FSR	VM3875	927-2250-15-51C	927-073-MW		Deglaze Only	
324724	1695cc	3.880	0.005	9.0:1	347	FSR	VM3880	927-2250-15-51C	927-073-MW		Bore & Hone	
324725	1700cc	3.885	0.01	9.0:1	349	FSR	VM3885	927-2250-15-51C	927-073-MW		Bore & Hone	M
324726	1691cc	3.875	STD	10.0:1/FT	349	FSR	VM3875	927-2250-15-51C	927-073-MW		Deglaze Only	
324727	1695cc	3.880	0.005	10.0:1/FT	351	FSR	VM3880	927-2250-15-51C	927-073-MW		Bore & Hone	
324728	1700cc	3.885	0.01	10.0:1/FT	353	FSR	VM3885	927-2250-15-51C	927-073-MW		Bore & Hone	M
324729	1691cc	3.875	STD	10.5:1	359	FSR	VM3875	927-2250-15-51C	927-073-MW		Deglaze Only	
324730	1695cc	3.880	0.005	10.5:1	361	FSR	VM3880	927-2250-15-51C	927-073-MW		Bore & Hone	
324731	1700cc	3.885	0.01	10.5:1	363	FSR	VM3885	927-2250-15-51C	927-073-MW		Bore & Hone	M
<b>2007-2015 TWIN CAM® 107" - DOES NOT FIT RUSHMORE LIQUID COOLED HEADS</b>												
317211	1745cc	3.937"	STD	10.25:1	350	Round	JG1001-3937	927-2500-15-51C	927-073-MW	Call	Deglaze Only	M
317212	1745cc	3.937"	STD	10.75:1	355	Round	JG1001-3937	927-2500-15-51C	927-073-MW	Call	Deglaze Only	M
<b>1996-2015 TWIN CAM® 110" - DOES NOT FIT RUSHMORE LIQUID COOLED HEADS</b>												
317213	1802CC	4.000	STD	9.25:1	356	R	J71201-4000-5	927-2500-15-51C	927-073-MW	Call	Deglaze Only	M
317214	1807cc	4.005	0.005	9.25:1	362	R	J71201-4000-5	927-2500-15-51C	927-073-MW	Call	Bore & Hone	M
324732	1802cc	4.000	STD	10.5:1	370	FSR	JG3101-4000-7	927-2250-15-51C	927-073-MW	Call	Deglaze Only	M
324733	1807cc	4.005	0.005	10.5:1	371	FSR	JG3101-4000-7	927-2250-15-51C	927-073-MW	Call	Bore & Hone	M
<b>V-ROD</b>												
317227	1178cc	3.937"	STD	8.5:1	376	FSR	JG1001-3937	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
317228	1178cc	3.937"	STD	9.5:1	381	FSR	JG1001-3937	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
317229	1178cc	3.937"	STD	12.0:1	383	FSR	JG1001-3937	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
<b>2017 + MILWAUKEE 8™</b>												
370243	107	3.937"	STD	11.0:1			JG4901-3937	927-2500-15-51C	927-073-MW	OEM	Deglaze Only	4.375 Stroke
370244	114	4.080"	0.143	11.0:1			JG3101-4075-5	927-2500-15-51C	927-073-MW			4.375 Stroke
370245	117	4.125"	0.188	11.0:1			JG3101-4125-2	927-2500-15-51C	927-073-MW			4.375 Stroke
370246	124	4.250"	0.313	11.0:1			VQ4250	927-2500-15-51C	927-073-MW			4.375 Stroke

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>HARLEY-DAVIDSON® CONTINUED</b>												
<b>2017 + MILWAUKEE 8™ (CONTINUED)</b>												
370247	114	4.016"	STD	11.0:1			JG3101-4020-2	927-2500-15-51C	927-073-MW	OEM	Deglaze Only	4.500 Stroke
370248	114	4.020"	0.004	11.0:1			JG3101-4020-2	927-2500-15-51C	927-073-MW			4.500 Stroke
370249	117	4.075"	STD	11.0:1			JG3101-4075-5	927-2500-15-51C	927-073-MW	OEM	Deglaze Only	4.500 Stroke
370250	118	4.080"	0.005	11.0:1			JG3101-4075-5	927-2500-15-51C	927-073-MW			4.500 Stroke
370251	120	4.125"	0.050	11.0:1			JG3101-4125-2	927-2500-15-51C	927-073-MW			4.500 Stroke
370252	128	4.250"	0.175	11.0:1			VQ4250	927-2500-15-51C	927-073-MW			4.500 Stroke
<b>2017 + MILWAUKEE 8™ ULTRA SERIES PISTONS</b>												
391731	128	4.250"	.175					927-2500-15-51C	927-073-MW			4.500 Stroke
391730	131	4.310"	0.235				JG80F1-4310-5	927-2500-15-51C	927-073-MW			4.500 Stroke
391729	139	4.500"	0.425				JG7701-4500-5	927-2500-15-51C	927-073-MW			4.500 Stroke
<b>HONDA</b>												
<b>2003-2013 HONDA VTX 1300</b>												
321502	1312cc	89.5mm	STD	10.0:1	303	Round	XC8950	787-2250-12-51C	787-050-MW	Call	Deglaze Only	M
321503	1312cc	89.5mm	STD	11.0:1	307	Round	XC8950	787-2250-12-51C	787-050-MW	Call	Deglaze Only	M
321504	1327cc	90mm	+ .5mm	10.0:1	305	Round	XC9000	787-2250-12-51C	787-050-MW	Call	Bore & Replate	M
321505	1327cc	90mm	+ .5mm	11.0:1	309	Round	XC9000	787-2250-12-51C	787-050-MW	Call	Bore & Replate	M
<b>2002-2008 HONDA VTX 1800</b>												
317225	1795cc	101mm	STD	8.0:1	353	Round	XS10100	945-2500-14-51C	945-073-MW	Call	Deglaze Only	M
317226	1795cc	101mm	STD	11.0:1	392	Round	XS10100	945-2500-14-51C	945-073-MW	Call	Deglaze Only	M
<b>REV TECH</b>												
<b>REV TECH INVERTED DOME 100" * VERIFY STD BORE DUE TO CYLINDER VARIATION</b>												
308419*	1637cc	3.8126"	STD-R	9.5:1	417	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
308420*	1637cc	3.8130"	STD-B	9.5:1	417	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
<b>REV TECH INVERTED DOME 100" * VERIFY STD BORE DUE TO CYLINDER VARIATION (CONTINUED)</b>												
308421*	1637cc	3.8134"	STD-Y	9.5:1	417	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
308422	1646cc	3.8225"	+ .010"	9.5:1	405	Round	J190F1-3823	792-2500-14-51C	787-050-MW		Bore & Hone	M
308423	1655cc	3.8326"	+ .020"	9.5:1	407	Round	J190F1-3833	792-2500-14-51C	787-050-MW		Bore & Hone	M
308424	1663cc	3.8427"	+ .030"	9.5:1	409	Round	J190F1-3843	792-2500-14-51C	787-050-MW		Bore & Hone	M
<b>*Fits 1mm Oversize Valves</b>												
<b>REV TECH FLAT TOP 100" * VERIFY STD BORE DUE TO CYLINDER VARIATION</b>												
308425*	1637cc	3.8126"	STD-R	10.0:1	394	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
308426*	1637cc	3.8130"	STD-B	10.0:1	394	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
308427*	1637cc	3.8134"	STD-Y	10.0:1	394	Round	J190F1-3818	792-2500-14-51C	787-050-MW		Deglaze Only	M
308428	1646cc	3.8225"	+ .010"	10.0:1	405	Round	J190F1-3823	792-2500-14-51C	787-050-MW		Bore & Hone	M
308429	1655cc	3.8326"	+ .020"	10.0:1	407	Round	J190F1-3833	792-2500-14-51C	787-050-MW		Bore & Hone	M
308430	1663cc	3.8427"	+ .030"	10.0:1	408	Round	J190F1-3843	792-2500-14-51C	787-050-MW		Bore & Hone	M
<b>*Fits 1mm Oversize Valves</b>												

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



# POWERSPORTS V-TWIN

Piston Kit #	Disp.	Bore Size	Over Size	Comp. Ratio	Gram Wt (G)	Skirt Style	Ring Set #	Pin #	Lock #	Gasket #	Sleeve #	FN
<b>TRIUMPH</b>												
<b>2004-2013 ROCKET 3</b>												
317209	2249cc	101.6mm	STD	10.5:1	361	FSR	JG3101-4000-7	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
317210	2249cc	101.6mm	STD	11.7:1	385	FSR	JG3101-4000-7	866-2250-15-51C	866-063-MW	Call	Deglaze Only	M
<b>VICTORY</b>												
<b>VICTORY V92</b>												
317189	1510cc	3.8188"	STD	10.5:1	353	FSR	XS9700	866-2050-18-51C	866-063-MW	Call	Deglaze Only	M

## ULTRA SERIES FOR HIGH-HP M8 ENGINES

It's no secret - Big Twin riders like Big Time horsepower. JE has applied proprietary, Ultra Series piston technology to the Milwaukee-Eight engine platform from Harley-Davidson, designed to withstand the extreme demands of 400+ HP, boost hungry V-twin builds



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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series

# ***ENGINEERED, FORGED, AND MACHINED 100% IN THE USA***



# SHAWN "LONGHORN" BELL

## PRO MOTORCYCLE TECH AND STUNT RIDER

JE V-Twin Forged Pistons  
for Harley-Davidson Sportster



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POWERSPORTS

# V-TWIN



“ As a professional motorcycle mechanic and stunt rider I trust JE Pistons for my V-Twin Harley-Davidson® applications. They provide peace of mind because they are quality products that I have used for many years. ”



# COMPONENTS

RINGS | WRIST PINS | CLIPS

JE Pistons' warehouse holds an extensive inventory of piston accessories and components. Whether you need piston rings, wrist pins, or clips, JE is prepared to help you get your build done right.





# SPORTS COMPONENTS RINGS

All JE rings listed can be used in cast iron, nickel ceramic platings (Nikasil), boron composite, and Electrofusion bores. CAUTION: With the exception of the XJ rings, JE's 4-stroke Chrome rings should NOT be used in chrome plated bores. Engine damage may occur. \*XJ rings are designed to be used in chrome bores.

RING TYPE	BORE RANGE	TOP RING	SECOND RING	OIL RING
XA	59mm-74.5mm (2.323"-2.933")	0.8mm (.031") Alloy steel, ferrox coated, chrome faced	0.8mm (.031") Cast iron, phosphate coated, taper faced	1.5mm (.059") 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails
XC	64mm-94mm (2.520"-3.701")	1mm (.039") Alloy steel, ferrox coated, chrome faced	1.2mm (.047") Cast iron, phosphate coated, taper faced	2.8mm (.110") 3 piece oil assembly: Stainless steel spacer, chrome faced rails
XG	75mm-83mm (2.953"-3.268")	1mm (.039") Alloy steel, ferrox coated, chrome faced	1mm (.039") Cast iron, phosphate coated, taper faced	2mm (.079") 3 piece oil assembly: Stainless steel spacer, chrome faced rails
XH	95mm-102mm (3.740"-4.016")	1.2mm (.047") Alloy steel, ferrox coated, chrome faced	1.5mm (.057") Cast iron, phosphate coated, taper faced	4mm (.158") 3 piece oil assembly: Stainless steel spacer, chrome faced rails
XJ*	95mm (3.740")	1.2mm (.047") Soft nitrided, nodular cast iron	1.5mm (.057") Cast iron, phosphate coated, taper faced	4mm (.158") 3 piece oil assembly: Stainless steel spacer, soft nitrided rails
XS ZS same except no second ring	95mm-102mm (3.740"-4.016")	1.2mm (.047") Alloy steel, ferrox coated, chrome faced	1.5mm (.057") Cast iron, phosphate coated, taper faced	2mm (.079") 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails
XU	77mm (3.031")	0.9mm (.035") Alloy steel, ferrox coated, chrome faced	0.8mm (.031") Alloy steel, ferrox coated, taper faced	1.5mm (.059") 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails
ZV	95.5mm-100mm (3.760"-3.937")	0.95mm (.037") Alloy steel, gas nitrided flat faced	No Second Ring	2mm (.079") 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails
J100F	4.000"-4.625"	1/16" Plasma Moly Barrel Faced Torsional	1/16" Phosphate Coated Taper Faced Reverse Torsional	3/16" Standard Tension 3 piece oil assembly: Stainless steel spacer
J10001	4.000"-4.625"	1/16" Plasma Moly Barrel Faced Torsional	1/16" Phosphate Coated Taper Faced Reverse Torsional	3/16" Low Tension 3 piece oil assembly: Stainless steel spacer
JG1001	65mm-94mm (2.559"-3.701")	1.0mm (.039") Steel Gas Nitrided Barrel Faced	1.2mm (.047") Premium Iron Napier	2.8mm (.110") 3 piece oil assembly: flex-vent spacer chrome faced rails
JG1101	94mm (3.701")	1.0mm (.039") Steel Gas Nitrided Barrel Faced	1.2mm (.047") Premium Iron Napier	2.0mm (.079") 3 piece oil assembly: flex-vent spacer chrome faced rails
J140F1	3.188" - 3.655"	1/16" Ductile Iron, Barrel Faced	1/16" Cast iron, Taper Faced Reverse Torsional	5/32" 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails
JC2801 JC3201 same except no second ring	95.5mm (3.760")	1.2mm (.047") Alloy Steel Ferrox Coated Chrome Faced	1.2mm (.047") Cast Iron Phosphate Coated Taper Face	2.5mm (.098") 3 piece oil assembly: Stainless steel spacer
JC3301	77mm (3.031")	0.9mm (.035") Alloy Steel ferrox coated Chrome Faced	No Second Ring	1.5mm (.059") 3 piece oil assembly: flex-vent spacer chrome faced rails
JG3401	76mm-80mm (2.992"-3.150")	1.0mm (.039") Alloy Steel ferrox coated Chrome Faced	No Second Ring	2.0mm (.079") 3 piece oil assembly: flex-vent spacer chrome faced rails
JC3501	77mm (3.031")	0.8mm (.031") Alloy Steel Phosphate coated Gas Nitrided Torsional	No Second Ring	1.5mm (.059") 3 piece oil assembly: flex-vent spacer Chrome faced rails
JC3601	58mm-59mm (2.283"-2.323")	1.0mm (.039") Alloy Steel Ferrox Coated Chrome Faced	1.2mm (.047") Cast Iron Phosphate Coated Taper Faced	2.5mm (.098") 3 piece oil assembly: flex-vent spacer chrome faced rails

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 \*\* = Fits 2mm oversize valves, 3 = Must Sleeve Bore and Machine Case, 6 = Must run base spacer plate #JC7121, = Pro Series®, = Ultra Series



## Hook Lock (MH), Spiro Lock (CS), Stainless / Alloy Spiro Lock (SS & AS), Tru Arc (CT), Wire Lock (MW)



Chrome Silicon



Carbon Steel



Alloy Steel



Carbon Steel



Chrome Silicon

### LOCK LETTER CODES

CS = Carbon Steel, Spiro Lock  
AS = Alloy Steel, Spiro Lock

CT = Carbon Steel, Tru Arc Lock  
MW = Chrome Silicon Wire Lock

SS = Stainless Steel, Spiro Lock  
MH = Chrome Silicon Hook Wire Lock

### HOOKE WIRE LOCK

PART #	DIAMETER	THICKNESS	MATERIAL
748-063-MH	.748"	.063"	CHROME SILICON
866-063-MH	.866"	.063"	CHROME SILICON
927-073-MH	.927"	.073"	CHROME SILICON

### SPIRO LOCK

PART #	DIAMETER	THICKNESS	MATERIAL
490-035-CS	.490"	.035"	CARBON STEEL
728-035-CS	.748"	.035"	CARBON STEEL
748-042-CS	.748"	.042"	CARBON STEEL
812-042-CS	.812"	.042"	CARBON STEEL
866-042-CS	.866"	.042"	CARBON STEEL
866-073-SS	.866"	.073"	STAINLESS STEEL
927-042-AS	.927"	.042"	ALLOY
927-042-CS	.927"	.042"	CARBON STEEL
927-073-AS	.927"	.073"	ALLOY
927-042-SS	.927"	.042"	STAINLESS STEEL

### TRU ARC LOCK

PART #	DIAMETER	THICKNESS	MATERIAL
490-035-CT	.490"	.035"	CARBON STEEL
748-035-CT	.748"	.035"	CARBON STEEL
812-042-CT	.812"	.042"	CARBON STEEL
866-042-CT	.866"	.042"	CARBON STEEL
905-042-CT	.905"	.042"	CARBON STEEL
927-042-CT	.927"	.042"	CARBON STEEL

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# POWERSPORTS COMPONENTS **LOCKS**

## WIRE LOCK

PART #	DIAMETER	THICKNESS	MATERIAL
512-040-AW	.512"	.040"	ALLOY
551-040-MW	.551"	.040"	CHROME SILICON
591-040-MW	.591"	.040"	CHROME SILICON
630-050-MW	.630"	.050"	CHROME SILICON
669-050-MW	.669"	.050"	CHROME SILICON
708-050-MW	.708"	.050"	CHROME SILICON
708-063-MW	.708"	.063"	CHROME SILICON
728-050-MW	.728"	.050"	CHROME SILICON
748-050-MW	.748"	.050"	CHROME SILICON
748-063-MW	.748"	.063"	CHROME SILICON
767-050-MW	.767"	.050"	CHROME SILICON
787-050-MW	.787"	.050"	CHROME SILICON
787-063-MW	.787"	.063"	CHROME SILICON
827-050-MW	.827"	.050"	CHROME SILICON
827-063-MW	.827"	.063"	CHROME SILICON
866-063-MW	.866"	.063"	CHROME SILICON
866-073-MW	.866"	.073"	CHROME SILICON
905-073-MW	.905"	.073"	CHROME SILICON
927-073-MW	.927"	.073"	CHROME SILICON
927-073-MW	.927"	.073"	CHROME SILICON

## WIRE LOCK - CRITICAL TOLERANCE

PART #	DIAMETER	THICKNESS	MATERIAL
728-050-UW	.728"	.050"	CHROME SILICON
748-063-UW	.748"	.063"	CHROME SILICON
787-050-UW	.787"	.050"	CHROME SILICON
787-063-UW	.787"	.063"	CHROME SILICON
827-063-UW	.827"	.063"	CHROME SILICON
866-063-UW	.866"	.063"	CHROME SILICON
866-073-UW	.866"	.073"	CHROME SILICON
927-073-UW	.927"	.073"	CHROME SILICON
945-073-UW	.945"	.073"	CHROME SILICON

## BUTTONS



In the past, pin buttons were most often found in blown engine applications using gas, alcohol, and nitro methane. Due to their reputation for durability under the most severe operating conditions, pin buttons have found their way into many endurance and high performance engine applications of all types. Pin buttons work well at any horsepower level; and can be used on anything from a mild street engine to a top fuel drag bike.

Due to certain or specific piston designs or applications, the use of an aluminum pin button may be necessary. The primary use of a pin button is to support the oil ring in instances where the oil ring intersects the wrist pin hole. JE can manufacture pin buttons for most any piston combination. Please note; pistons must be specifically designed to use pin buttons. The installation of pin buttons into pistons originally designed to use wire locks or spiro locks will result in severe engine damage.

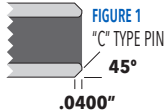
For ordering or technical questions, regarding pin buttons please call your JE sales representative at 714-898-9763.



# POWERSPORTS COMPONENTS **WRIST PINS**

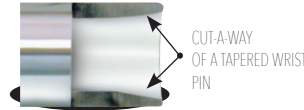
## Lock Types "C or S"

All pin part numbers that end with "C" have a 45° chamfer on the ends of the pin (see figure 1) and are designed to be used with wire locks only. Wire locks help to distribute side loading over the entire piston pin boss area thereby increasing piston strength. It is important to note that JE "C" type pins have a deeper chamfer groove (.040" as shown) than many other manufacturers. "S" type wrist pins have a sharp edge (see figure 2) and are designed for use with spiro type and Tru Arc locks.



## 95 & P6 Series Tapered Pins

Tapered wall pins are designed for the highest strength to weight ratio possible while the length of the taper has been optimized for the piston pin boss span. JE tapered wall pins are hand lapped to the finest I.D. finish available in the industry.



# 927-2500-15-93C

**DIAMETER**  
.927" - Overall length of wrist pin in inches.

**LENGTH**  
2.500" - Overall length of wrist pin in inches

**WALL THICKNESS**  
.150" - Number indicates first two decimal places

**SERIES**  
Material Type

**LOCK TYPE**  
"C" or "S"

## Upgrade to DLC Coated Pins!

Need more wear protection? JE now offers upgraded DLC wrist pins for most shelf and custom pistons!

Don't be fooled by other "coated" or "treated" wrist pins; JE's DLC coated pins offer superior wear resistance and enhance life.

DLC (Diamond Like Carbon) is an extremely hard, wear resistant coating with a very low friction coefficient of 0.1-0.2. Excellent adhesion to steel and Titanium is achieved via a plasma assisted chemical vapor deposition (PACVD) process. During this process sp2 and sp3 carbon atoms form diamond shaped bonds with the base material thereby earning the name Diamond Like Carbon. The wear resistance and non-stick performance of DLC make it an excellent addition to wrist pins for the prevention of pin bore galling.



## Series Legend

- 51 SERIES - 5115 LOW CARBON STEEL, CASE HARDENED, STRAIGHT WALL

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- 52 SERIES - 52100 HIGH CARBON STEEL, THROUGH HARDENED, STRAIGHT WALL

---

- 93 SERIES - 9310 NICKEL CARBON STEEL ALLOY, STRAIGHT WALL

---

- 95 SERIES - 9310 NICKEL CARBON STEEL ALLOY, TAPERED WALL

---

- CT SERIES - S7 THROUGH HARDENED TAPERED WALL

---

- PS SERIES - 9310 NICKEL CARBON STEEL ALLOY PRECISION STRAIGHT WALL

---

- PT SERIES - 9310 NICKEL CARBON STEEL ALLOY PRECISION TAPERED WALL

---

- P6 SERIES - 9310 NICKEL CARBON STEEL ALLOY PRECISION TAPERED WALL DLC COATED

---

- 34 SERIES - DLC CASIDIAM COATED STRAIGHT WALL

---

- 38 SERIES - C350 CASIDIAM COATED STRAIGHT WALL

---

- 46 SERIES - TITANIUM DLC COATED STRAIGHT WALL

---

- 64 SERIES - GKHW DLC COATED STRAIGHT WALL

---

- 66 SERIES - GKHW DLC COATED TAPERED WALL

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- 72 SERIES - 300M STRAIGHT WALL

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- 94 SERIES - 9310 NICKEL CARBON STEEL ALLOY WITH DLC COATING

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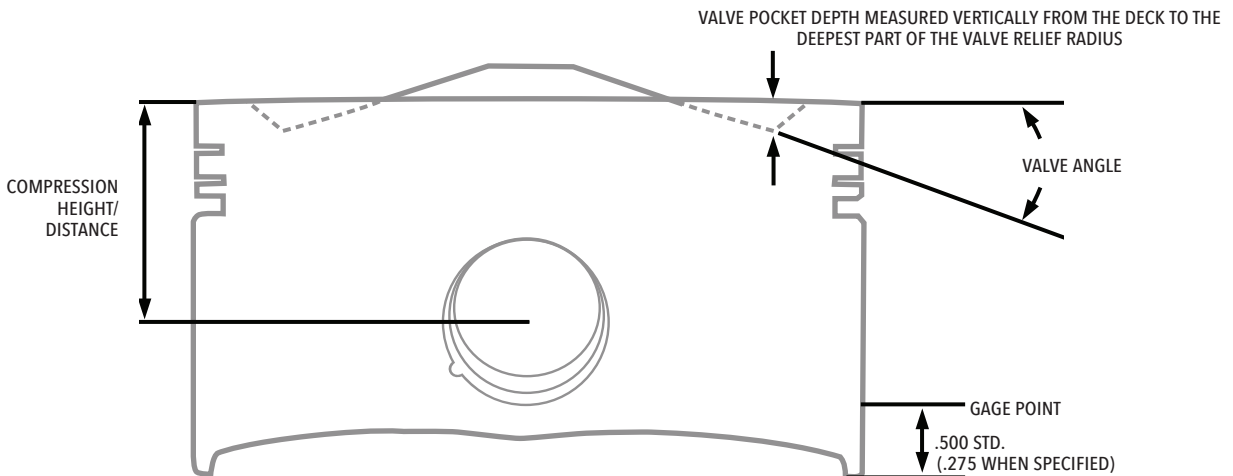
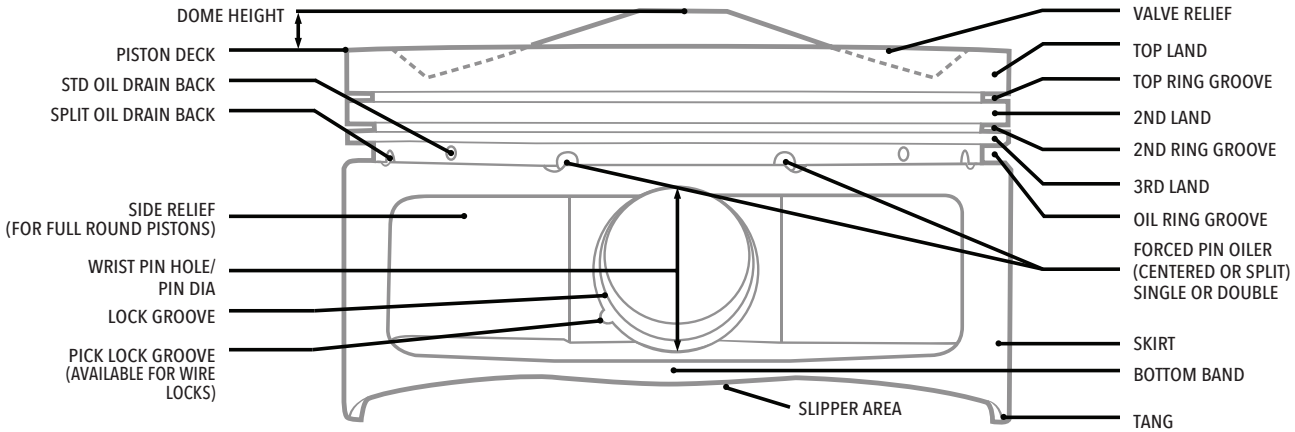


# POWERSPORTS COMPONENTS *WRIST PINS*

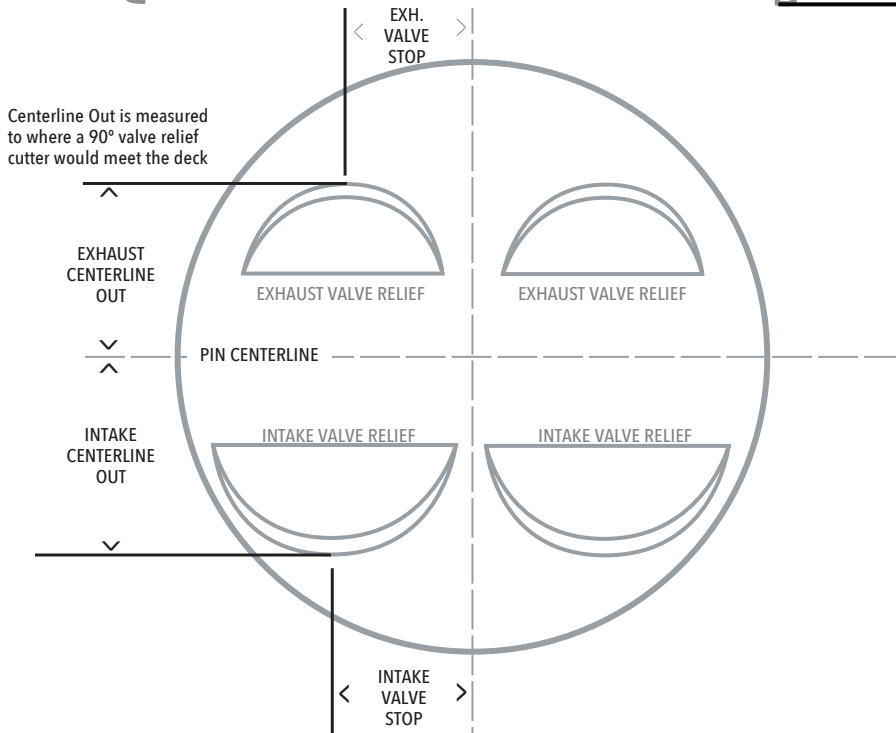
PART #	WEIGHT (g)	PART #	WEIGHT (g)	PART #	WEIGHT (g)	PART #	WEIGHT (g)	PART #	WEIGHT (g)
490-1908-06-51S	22	787-2350-14-51C	87	866-2500-15-51S	109	927-2250-17-51C	116	928-2500-15-52S	118
551-1650-12-93C	34	787-2500-12-51C	77	866-2500-18-51C	125	927-2350-15-51C	111	928-2750-13-52C	115
551-1650-12-94C	34	787-2500-12-51S	77	866-2750-12-51S	99	927-2400-13-51C	103	928-2750-13-52S	115
591-2050-11-51C	43	787-2500-14-51C	93	866-2750-15-51C	121	927-2500-13-51S	108	928-2750-15-93C	125
591-2250-11-51S	48	787-2500-14-51S	93	866-2750-15-51S	121	927-2500-15-51C	118	928-2750-15-93S	125
591-2050-10-52C	42	787-2050-14-93C	74	866-2850-15-51C	125	927-2500-15-51S	118	928-2950-15-93C	136
591-1750-10-93C	35	787-2050-16-93C	82	866-2050-12-52C	74	927-2750-15-51C	130	928-2950-17-93C	154
591-1650-14-P6C	40	787-2250-11-93C	69	866-2050-15-52C	89	927-2750-15-51S	130	928-2950-13-72C	123
591-1650-14-PTC	40	787-2250-14-93C	83	866-2250-12-52C	81	927-2850-15-51S	134	928-2950-13-72S	123
630-1650-12-93C	40	787-2250-21-93C	110	866-2250-17-52C	106	927-2950-15-51C	140	928-2750-15-94C	129
630-1750-12-93C	43	787-2350-10-93C	66	866-2500-10-52C	77	927-2950-15-51S	139	929-2500-11-52S	95
630-2050-14-95C	53	787-2350-14-93C	87	866-2500-12-52C	90	927-2250-17-52C	113	929-2500-13-52S	107
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630-1650-14-PTC	42	787-2050-18-PTC	81	866-2500-15-52C	109	927-2500-13-52C	104	929-2750-13-52C	113
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687-2250-12-P5C	61	791-2795-14-51C	105	866-2500-17-93S	119	927-2250-15-93C	102	930-2500-13-52S	106
708-2050-12-51C	58	791-2795-14-51S	105	866-2500-21-93C	138	927-2250-18-93C	123	930-2500-15-52C	119
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748-2250-12-52C	68	827-2050-15-93C	83	905-2250-18-93S	118	927-2750-12-PTS	103		
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748-2050-14-93C	70	827-2250-21-93C	116	905-2500-18-93S	130	927-2500-15-94C	117		
748-2050-16-93C	77	827-2500-17-93C	113	905-2500-21-93C	147	927-2750-15-94C	127		
748-2250-14-95C	72	827-2050-15-94C	81	905-2250-21-94C	132	927-2750-17-94C	141		
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750-2500-14-51S	86	866-2050-12-51C	74	912-2500-12-52S	97	928-2750-15-51S	131		
750-2500-14-51C	86	866-2050-15-51C	89	912-2750-12-52S	108	928-2950-15-51C	140		
750-2250-13-52C	72	866-2050-18-51C	103	912-2750-15-52S	127	928-2950-15-51S	140		
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787-2250-18-51C	97	866-2500-15-51C	109	927-2250-15-51C	106	928-2500-15-52C	117		



# PISTON TERMINOLOGY



## VALVE LOCATION





# SHELF PISTON FEATURES

SMOOTH RADIUS DOME AND DISH DESIGNS

SOME PART NUMBERS ARE AVAILABLE WITH FORGED SIDE RELIEF WITH INTERNAL AND EXTERNAL BRACING FOR ADDITIONAL STRENGTH

ALL JE SHELF PISTONS INCLUDE FULL FLOATING WRIST PINS AND LOCKS. ALL PISTONS ARE PIN FIT TO SIZE. RING SETS ARE ALSO INCLUDED UNLESS NOTED.

RADIUSED VALVE RELIEFS

PRECISION CNC MACHINED RING GROOVES

MACHINED OIL DRAIN BACK HOLES ENGINEERED FOR SPECIFIC OIL CONTROL

DIAMOND TURNED SKIRTS

FACTORY HONED PIN BORES, WRIST PINS AND LOCKS

(FSR PISTON SHOWN)

# SHELF PISTON FORGING FEATURES

2618 LOW-SILICON MATERIAL

JE FORGINGS FEATURE ENLARGED PIN BOSS AND RING BELT RADII TO ENSURE OPTIMUM STRENGTH IN CRITICAL STRESS AREAS

JE HAS THE LARGEST SELECTION OF APPLICATION-SPECIFIC FORGINGS IN THE INDUSTRY

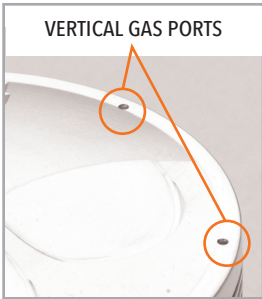
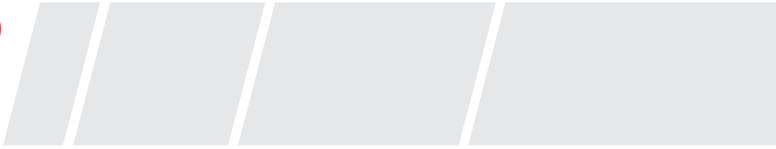
SPECIFICALLY DESIGNED FORGINGS ALLOW PRECISE VALVE RELIEF LOCATIONS FURTHER REDUCING WEIGHT WHILE MAINTAINING SUPERIOR STRENGTH AND UNIFORM CROWN THICKNESS

WITH OVER 300 INDIVIDUAL FORGINGS TO CHOOSE FROM, JE IS ABLE TO ACHIEVE SPECIFIC COMPRESSION RATIO REQUIREMENTS WHILE REDUCING OVERALL WEIGHT.

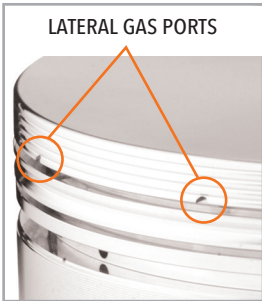
FSR FORGINGS FEATURE EXTERNAL CAVITIES TO OPTIMIZE PISTON WEIGHT AND STRENGTH



# CUSTOM PISTON OPTIONS



VERTICAL GAS PORTS



LATERAL GAS PORTS



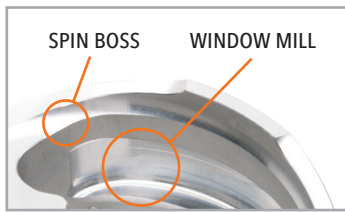
CONTACT REDUCTION GROOVES

ACCUMULATOR GROOVE

PIN FITTING

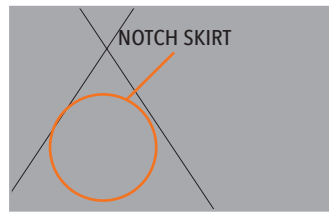


ULTRA DOME

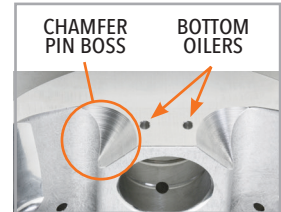


SPIN BOSS

WINDOW MILL



NOTCH SKIRT



CHAMFER PIN BOSS

BOTTOM OILERS

**(CD) Contact Reduction Grooves:**

The purpose of machining these grooves is to reduce the amount of contact area against the cylinder wall when the piston "rocks over". Contact reduction also serves to disrupt the flame travel into the crevice area thus helping to reduce detonation.

**(AG) Accumulator Grooves:**

An accumulator groove is machined into the land between the top and second ring. It provides additional volume where residual combustion gases that have "blown by" the top ring can collect. This additional volume helps to reduce pressure between the top & second ring, thus aiding in top ring seal and minimizing ring flutter.

**(DP) Double Pin Oilers:**

Double Pin Oilers deliver twice the amount of oil to the wrist pin as compared to the standard single pin oiler.

**(PF) Pin Fitting:**

The pin bore is precision honed to attain an exact pin clearance. Clearances typically range from .0003 to .0010 between the wrist pin and pin bore.

**(NS) Notch Skirt:**

Notching can be done on pistons for motors with oil squirters, or to avoid contact between pistons and/or pistons and crankshaft.

**(BO) Bottom Oilers:**

This process machines one or two holes into the bottom of the pin boss to assist in splash pin lubrication.

**(TV) Tulip Valve Pockets:**

Most commonly used on Hemi and motorcycle engines, this process leaves a raised area on plunged valve pockets to achieve maximum compression.



# CUSTOM PISTON FEATURES

## CUSTOM FEATURE CODES

CODE	DESCRIPTION	CODE	DESCRIPTION
PF	Honed Pin Bore (Pin Fitting)	<b>MILLING OPTIONS</b>	
CD	Contact Reduction Grooves	PB	Plunge Bosses (Interior or Exterior)
KK	Kool Kote (Hard Anodizing)	SB	Spin Boss
SC	Skirt Coating	CB	Chamfer Pin Boss
AG	Accumulator Groove	MC	Mill Under Crown
LG	Lateral Gas Ports (10*)	MB	Mill Pin Boss Width
VG	Vertical Gas Ports	WM	Mill Skirt or Window Mill
VL	Vertical & Lateral Gas Ports	FM	Cavity Milling
UG	Ultra Groove	SE	Skirt Register
UP	Ultra Groove with Lateral Gas Ports (10*)	<b>ULTRA CROWN</b>	
UV	Ultra Groove with Vertical Gas Ports	US	One-Time Engineering Fee
DP	Double Pin Oilers	UD	Machining per Piston Dome
BO	4 Bottom Pin Oilers	UC	Machining per Piston Inverted Dome
PV	Plunged Valve Reliefs	<b>FORGED SIDE RELIEF</b>	
TV	Tulip Valve Pockets	FS	FSR - Forged Side Relief
NS	Notch Skirt	FE	FSR - external bracing and cavities
OP	Offset Pin	FC	FSR - external and internal bracing and cavities

\*10 Gas Ports Standard, Additional Gas Ports Incur an Extra Charge

## CUSTOM PISTON STANDARD FEATURES

- Fully CNC Machined Piston
- Precision Machined CNC Ring Grooves
- 2618 Low-Silicon Alloy
- Diamond Turned Skirts
- Radiused Valve Reliefs
- Single Forced Pin Oilers
- Pick Lock Grooves (for use with wire locks)
- Machined Side Reliefs on full round forgings

To order custom pistons, please use the CUSTOM PISTON ORDER FORM located in the back of this catalog or visit [jepistons.com](http://jepistons.com) and click on ORDER at the top of the page.



# POWERSPORTS **APPAREL**



**JE 1947 HOODIE**  
PART# W1536



**JE LOGO TEE**  
PART# J505



**JE PREMIUM ZIP-UP**  
PART# W1538







# POWERSPORTS APPAREL



**JE 75TH ANNIVERSARY LOGO TEE**  
PART# J501A-F



**JE RETRO LOGO TEE**  
PART# J502A-F



## JE LOGO HATS

- J324X** - FLAT BILL, BLACK, L/XL
- J325X** - FLAT BILL, BLACK, S/M
- J326X** - CURVED BILL, RED, L/XL

- J327X** - CURVED BILL, RED, S/M
- J328X** - CURVED BILL, BLACK, L/XL
- J329X** - CURVED BILL, BLACK, S/M



**JE BANNER 3FT X 5FT**  
PART# 904X







## TERMS & CONDITIONS

**1. Governing Provisions; Order Acceptance.** These terms and conditions ("Terms") govern the sale of products (the "Products") by Race Winning Brands, and its portfolio of companies (Boostline Products, Corsa Performance, Dart Machinery, Diamond Pistons, Haltech, JE Pistons, Manley Performance, MGP, PAC Racing Springs, ProX Racing Parts, Rekluse, RevMax, Transmission Specialties, Trend Performance, Victory 1, Volant and Wiseco Performance Products), herein referred to as "RWB" to the buyer of the Products ("Buyer"). The quote, order acknowledgment and/or invoice of RWB attached to these Terms, together with these Terms, other specifications for the Products and any packing slip of RWB comprise the entire agreement between the parties with respect to the Products (the "Contract"). In the event of conflict between a provision in the Terms and any other component of the Contract, these Terms shall prevail. This Contract supersedes all prior or contemporaneous understandings, agreements, negotiations, representations and warranties, and communications, both written and oral between the parties with respect to the purchase of Products. No additional or different terms will be binding upon RWB unless specifically agreed to in writing by an authorized representative of RWB. Any additional or different terms proposed by Buyer, either previously or in the future, whether in a purchase order, other communication or otherwise, are hereby rejected and shall not apply. RWB's failure to object to provisions contained in any purchase order or other communication from Buyer shall not be construed as a waiver of these Terms nor an acceptance of any such provisions. RWB is not bound by any order until it is either accepted in writing by an authorized representative of RWB or RWB ships the Products, whichever occurs first.

**2. Delivery; Title.** RWB does not guarantee delivery on any specific date and RWB will not be liable for any damages caused by a delay in a projected or estimated delivery date. The Products are delivered FOB shipping point, using RWB's standard methods for packaging and shipping any Products. Acceptance of a shipment by a common carrier constitutes delivery to Buyer, at which time all risk of loss transfers to Buyer. RWB may choose the means of transportation and the route of shipments unless otherwise agreed in writing prior to acceptance of an order. The Buyer must make any claim for shortages and other errors in delivery in writing to RWB within 5 days after receipt of the Products. Failure to give such notice constitutes an unqualified acceptance of the Products and a waiver of any claim Buyer may have regarding the delivery. RWB reserves the right to make delivery in installments. Any installments will be separately invoiced and paid for when due, as set forth on the invoice, without regard to subsequent deliveries.

**3. Cancellation.** The Buyer may not cancel an order after it is accepted by RWB, unless RWB agrees in writing. Any reduction in quantities ordered constitutes a cancellation. In the event RWB agrees to a cancellation, Buyer shall pay all costs and expenses (including indirect expenses) directly or indirectly caused by Buyer's cancellation.

**4. Default.** Each of the following are an "Event of Default": (i) Buyer fails to pay RWB for any amount owed to RWB under the Contract when due; (ii) Buyer breaches any provision of the Contract; (iii) Buyer files a petition, answer or consent to a petition seeking relief under Title 11 of the United States Code, as now constituted or hereafter amended, or any other applicable federal, state or foreign bankruptcy law; (iv) Buyer consents to proceedings or actions instituting a receiver, liquidator, assignee, trustee, custodian or similar official of the Buyer; (v) the insolvency of Buyer. Upon an Event of Default, RWB may, in addition to exercising any or all other rights and remedies that RWB may have, (i) demand full or partial payment in advance before proceeding or continuing with performance of the Contract, (ii) defer delivery of the Products and/or (iii) without notice to Buyer, cancel any or all of RWB's unperformed obligations under the Contract or with any other agreement to which Buyer and RWB are parties. Upon any cancellation pursuant to this Section, Buyer shall pay RWB for any Products delivered and for the full Price of any accepted order at the time this Contract is terminated.

**5. Quotations; Prices.** Any written quotations automatically expire 30 calendar days from the date issued unless sooner terminated by notice. Verbal quotations expire, unless accepted in writing, the same day they are made. Buyer shall pay the purchase price for the Products specified in the quotation or invoice, as applicable, and shall at all times be subject to any then applicable pricing policy of RWB, including any modifications or adjustments to the pricing policy (the "Price"). The Price will include ordinary pre-delivery packing only. Prices are subject to escalation in future quotations or orders.

**6. Payment.** Unless otherwise stated in the Contract, net invoice amounts are due upon receipt of the invoice. RWB may issue invoices as it makes partial shipments. Prices do not include taxes or other charges. The Buyer shall pay any manufacturer's tax, retailer's occupation tax, use tax, sales tax, excise tax, inspection or testing fee, or any other like tax, fee or charge of any nature whatsoever, imposed by any governmental authority, on or measured by any transaction between RWB and Buyer, in addition to the Price. In the event RWB is required to pay any tax, fee or charge and/or any associated penalties and interest, Buyer shall promptly reimburse RWB. If Buyer is exempt from any applicable tax or fee, then Buyer shall provide RWB at the time the order is submitted with an exemption certificate or other document acceptable to the authority imposing the tax, fee or charge. All payments shall be made in United States currency. If shipment is delayed beyond the scheduled date for the convenience of Buyer, payment shall be due in full when RWB is prepared to make the shipment. Interest shall be payable by Buyer on any amount not paid when due at the rate of 1.5% per month, or the maximum rate allowable by law, whichever is less, calculated daily and compounded monthly. Buyer shall reimburse RWB for all collection costs, court costs, administration costs, investigation costs, attorneys' fees and all other incidental costs, charges or expenses incurred in the collection of past due amounts or otherwise resulting or arising from any breach by Buyer of the Contract.

**7. Limited Warranty and Limitation of Liability.** RWB warrants that any Product manufactured by RWB will be free from defects in material and workmanship for 30 days following date of original purchase ("RWB Warranty"). The RWB Warranty extends to the End-User of such Product. The End-User is defined as the person purchasing the Products directly from RWB or an authorized dealer of RWB. RWB specifically disclaims all warranties on any Product (express or implied) not manufactured by RWB. No warranty is transferable by the End-User. As a condition to granting the RWB Warranty, Buyer covenants to use the Product with due care and consistently with the Product's specifications. Any failure of Buyer to adhere to this covenant voids the RWB Warranty. Such failure includes, without limitation, misuse, mishandling, misapplication, neglect (including but not limited to improper maintenance), accident, improper installation, modification (including but not limited to use of unauthorized parts or attachments), or adjustment or repair performed by anyone other than RWB. **THE RWB WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES (EXCEPT OF TITLE), ARISING FROM OPERATION OF LAW, OR ARISING FROM TRADE USAGE OR COURSE OF DEALING, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE.** RWB shall not be subject to any other obligations or liabilities whatsoever, with respect to the Products manufactured or furnished by it, or any undertakings, acts or omissions relating thereto. If Buyer believes a Product is defective and therefore covered by the RWB Warranty, the original buyer shall initiate an RMA as set forth in Section 8 of this Contract. If RWB determines that such Product is covered under the RWB Warranty, then RWB, at its option may, (i) repair the Product, (ii) replace the Product, or (iii) refund the Price of the Product.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THE CONTRACT, RWB SHALL NOT BE LIABLE FOR ANY OF THE FOLLOWING TYPES OF LOSS OR DAMAGE ARISING UNDER OR IN RELATION TO THE CONTRACT (WHETHER ARISING BY TORT (INCLUDING NEGLIGENCE), BREACH OF CONTRACT OR OTHERWISE AND WHETHER OR NOT SUCH LOSS OR DAMAGE IS FORESEEABLE, FORESEEN OR KNOWN): (I) ANY LOSS OF PROFITS, BUSINESS, CONTRACTS, ANTICIPATED SAVINGS, GOODWILL OR REVENUE, ANY WASTED EXPENDITURE, OR ANY LOSS OR CORRUPTION OF DATA (REGARDLESS OF WHETHER ANY OF THESE TYPES OF LOSS OR DAMAGE ARE DIRECT, INDIRECT OR CONSEQUENTIAL); OR (II) ANY SPECIAL, INDIRECT, PUNITIVE OR CONSEQUENTIAL LOSS OR DAMAGE OF ANY KIND HOWSOEVER ARISING, EVEN IF ANY OF THE LIMITED REMEDIES OF THIS CONTRACT FAIL TO FULFILL THEIR ESSENTIAL PURPOSE. IN NO EVENT SHALL RWB'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THE PRODUCTS, ANY ANCILLARY SERVICES PROVIDED BY RWB, OR THE CONTRACT, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, EXCEED THE TOTAL OF THE AMOUNTS PAID TO RWB WITH RESPECT TO THE PRICE PAID FOR SUCH PRODUCT OR PRODUCTS GIVING RISE TO RWB'S LIABILITY.**

**8. Return of Products for Credit Consideration.** RWB's Companies are not required to accept any returns but may accept returns from time to time in its sole discretion. **Request for returns must be made within 30 days of purchase date. Only Products that are new, unused, have never been installed, and remain undamaged are eligible for returns.** All Products returned must have an authorized RMA (Returned Materials Authorization) number issued by a RWB Company. Buyer shall apply for an RMA number by contacting RWB Company (phone or email). When applying for the RMA number, Buyer must provide the article/Product serial number, date of original shipment, invoice and any other details requested by a RWB company. Products returned for the convenience of Buyer, or any reason beyond the control of RWB company, will be subject to a minimum service charge of 20% of the invoiced Price for such Products. The Buyer shall prepay all transportation costs associated with a return. The return of any nonstandard Products may be



## TERMS & CONDITIONS – CONTINUED

subject to higher restocking fees at RWB's Companies sole discretion. Should a claim be found to be a valid RWB Warranty claim, Buyer shall receive pre-paid freight reimbursement from RWB's Companies plant of origin to the original shipping destination. No obsolete or customized Products or parts may be returned. All items returned to RWB Companies must be shipped freight prepaid, properly protected and intact to the respective RWB brand facility, contact RWB brand for destination address. **This policy ONLY applies to Products purchased directly through a RWB Company.** For any other purchases, please contact your authorized retailer directly. Arrangements must be made in advance - before item is returned to RWB Company. Products shipped prior to cancellation or refused upon delivery may be charged published shipping cost rates for both outbound and returned shipping. In ALL cases shipping costs will not be refunded. Returns must be initiated by the original purchaser. There are NO returns or refunds awarded on used or installed Products. In order to begin a return, please call us directly at to speak with a representative regarding all returns. (See a RWB Company Website for Contact Info.)

**9. Confidentiality.** All non-public, confidential or proprietary information of RWB, including but not limited to specifications, samples, patterns, designs, plans, drawings, documents, data, pricing, discounts or rebates, disclosed by RWB (or any of its subcontractors or sub suppliers) to Buyer, whether disclosed orally or disclosed or accessed in written, electronic or other form or media, and whether or not marked, designated or otherwise identified as "confidential" in connection with this Contract is confidential, solely for the use of performing this Contract and may not be disclosed, used or copied unless authorized in advance by RWB in writing or unless expressly permitted in the Contract. Upon RWB's request, Buyer shall promptly return all documents and other materials received from RWB. RWB shall be entitled to injunctive relief for any violation of this Section. This Section does not apply to information that is: (a) in the public domain; (b) known to Buyer at the time of disclosure; or (c) rightfully obtained by Buyer on a non-confidential basis from a third party not under an obligation of confidentiality with a RWB Company. Neither Buyer itself shall, nor shall Buyer permit any party to, reverse engineer RWB's Products and or Product components.

**10. Security Interest.** As collateral security for the payment of the Price of the Products, Buyer hereby grants to RWB a lien on and security interest in and to all of the right, title and interest of Buyer in, to and under the Products, wherever located, and whether now existing or hereafter arising or acquired from time to time, and in all accessions thereto and replacements or modifications thereof, as well as all proceeds (including insurance proceeds) of the foregoing. The security interest granted under this provision constitutes a purchase money security interest under the Uniform Commercial Code.

**11. Indemnity.** BUYER SHALL INDEMNIFY AND DEFEND RWB AND ITS AFFILIATES AGAINST ANY AND ALL LOSSES, DAMAGES AND EXPENSES (INCLUDING ATTORNEY'S FEES AND OTHER COSTS OF DEFENDING ANY ACTION) THAT IT MAY SUSTAIN OR INCUR AS A RESULT OF: (I) THE USE, OPERATION OR POSSESSION OF THE PRODUCTS BY BUYER, (II) THE ALTERATION OR MODIFICATION OF THE PRODUCTS OR THE USE OR COMBINATION OF THE PRODUCTS WITH OTHER PRODUCTS OR DEVICES BY BUYER, (III) A NEGLIGENT OR WILLFUL ACT OR OMISSION OF BUYER, (IV) THE BREACH BY BUYER OF THIS CONTRACT, OR (V) THE FAILURE OF BUYER TO COMPLY WITH ANY APPLICABLE LAW OR REGULATION.

**12. Governing Law; Venue.** The Contract and all claims arising from the relationship between RWB and Buyer will be interpreted, governed and enforced by the laws of the State of Ohio, without regard to any conflict of laws principles and to the exclusion of the provisions of the United Nations Convention on the International Sale of Goods. The parties agree that all litigation between RWB and Buyer which may arise out of or in connection with the Contract or any transaction between them shall be subject to the exclusive jurisdiction of the federal and state courts in the State of Ohio, and each hereby consents to the exclusive jurisdiction of such courts. Buyer agrees that any and all processes directed to it in any such litigation may be served upon it outside of the State of Ohio with the same force and effect as if such service had been made within the State of Ohio.

**13. Assignment.** The Contract shall be binding upon the respective permitted assignees, successors, executors, administrators and heirs of the parties.

**14. No Waiver/Severability.** Any waiver by either party of any breach of any provision of the Contract shall not be construed as a waiver of any continuing or succeeding breach of such provision, a waiver or modification of the provision itself, or a waiver or modification of any right under the Contract. If any part of the Contract is void, voidable, invalid, or unenforceable, for any reason, the other provisions in the Contract shall then be considered divisible as to such part, with the remainder of the Contract remaining as valid and binding as though such part were not included in the Contract.

**15. Export.** Buyer represents and warrants that it will not directly or indirectly arrange for or participate in the export or sale of Products, in whole or in part, outside of the territory agreed to by Buyer and RWB or, if none, the country to which RWB shipped the Products (the "Territory"), without RWB's prior written consent. Buyer agrees that Buyer will take all reasonable and adequate steps to prevent the export or sale of the Products outside of the Territory by others who purchase or lease from Buyer who might reasonably be expected to export or sell them outside the Territory. It shall be Buyer's responsibility to investigate and determine whether any sale or lease by Buyer would be in violation of this Section 15. In the event that Buyer is in violation of this Section 15, any and all warranties provided by RWB for the Products involved in such violation shall immediately become null and void and Buyer shall indemnify and hold RWB harmless from any liability arising out of such prohibited export or sale.

**16. Intellectual Property.** All intellectual property rights in, or relating to, the Products are owned by or licensed to RWB, and nothing herein shall have the effect of transferring the ownership of such intellectual property rights to Buyer. In the event of any third party demand, claim or action alleging that the proper use of the Products by Buyer in accordance with any instructions and directions issued with or in relation to such Products by RWB infringes any patent or other intellectual property right belonging to a third party, Buyer shall: (i) promptly notify RWB in writing of such claim; (ii) not make any admission in relation to or attempt to settle or compromise the claim; (iii) give RWB express authority to conduct all negotiations and litigation, and to settle all litigation, arising from such claim; and (iv) provide RWB with all available information, documents and assistance as RWB may reasonably require, including without limitation ceasing to use the Products if deemed reasonably necessary by RWB until the infringement claim is resolved. RWB may also, at any time, at its option: (i) procure for Buyer the right to continue to use the Products and/or Services in question, free of any liability for such infringement; or (ii) direct Buyer to cease use of and not market or sell such Products and/or Services and (a) modify the Products and/or Services in question so that they become non-infringing; (b) substitute the Products and/or Services in question with functionally equivalent non-infringing Products and/or Services; or (c) refund the price paid by Buyer for the infringing Products and/or Services. This section states the entire liability of RWB for any infringement of third-party intellectual property rights. Buyer shall indemnify RWB from and against all losses, damages, costs, liabilities and expenses (including legal expenses) arising out of or in connection with any third party demand, claim or action alleging that any Product manufactured or Service provided by RWB in accordance with designs and/or specifications provided to RWB by Buyer infringes any patent or other intellectual property right belonging to a third party.

**17. Force Majeure.** RWB shall not be liable for damages under the Contract for a delay or failure in its performance under the Contract as a result of causes beyond its reasonable control, including any law, order, regulation, direction, or request of any government having or claiming to have jurisdiction over RWB, its subcontractors and/or its suppliers; failure or delay of transportation; insurrection, riots, national emergencies, war, acts of public enemies, strikes or inability to obtain necessary labor, manufacturing facilities, material or components from RWB's usual sources; fires, floods or other catastrophes; acts of God, acts of omissions of Buyer or any causes beyond the reasonable control of RWB and/or of its suppliers. Upon the giving of prompt written notice to Buyer of any such causes of a delay or failure in its performance of any obligation under the Contract, the time of performance by RWB shall be extended to the extent and for the period that its performance of said obligations is prevented by such cause.

**18. Anti-Bribery Compliance.** Buyer hereby certifies that Buyer and its directors, officers, employees, agents, sub-contractors and/or consultants: (i) are familiar with, and shall comply in all respects with, all applicable laws in force from time to time regarding bribery, fraudulent acts, corrupt practices and/or money laundering, including the U.S. Foreign Corrupt Practices Act, as amended, and the U.K. Bribery Act 2010, as amended; (ii) have not and shall not authorize or make any payments or gifts or any offers or promises of payments or gifts of any kind, directly or indirectly, in connection with the Contract to any "foreign official," including (a) any official, agent, or employee of any government or governmental agency; (b) any political party or officer, employee or agent thereof; or (c) any holder of public office or candidate for political office; and (iii) are not officials or employees of any government, an official of a political party, or a candidate for political office, or a director, officer, employee, or affiliate of a government instrumentality. Buyer understands that for purposes of this section, a "foreign official" may include an employee or official of a commercial entity in which a government body has an ownership interest or exerts control over the activities of such entity, as well as officials and employees of public international organizations.

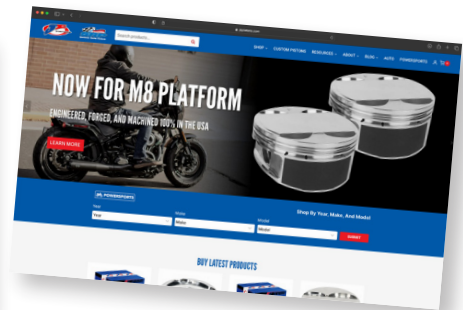
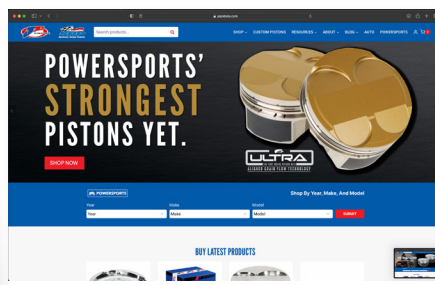
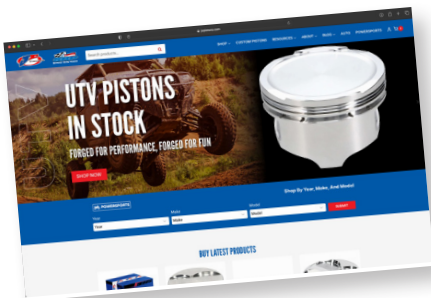
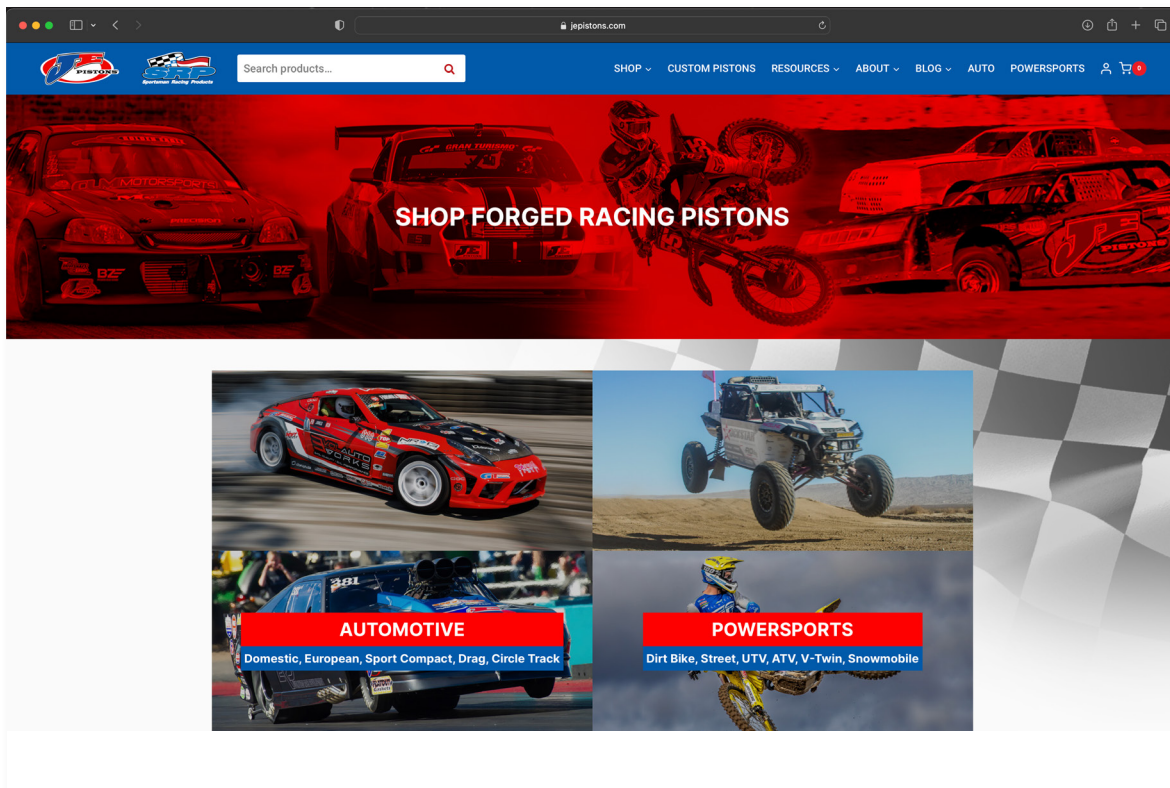


# POWERSPORTS DIGITAL

JE Pistons has created a complete online resource with easy access to product search and ordering, technical resources, how-to articles, and much more. If you haven't already, visit the all-new JE pistons website, and be sure to sign up for our email newsletter to receive exclusive offers, product announcements, racing news, and more!

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## WWW.JEPISTONS.COM





# Custom Piston Order Form

10800 Valley View St. Cypress CA 90630, USA • TEL (714) 898-9763 • FAX (714) 893-8297 • www.jepistons.com

Enigne Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_

Number of Cylinders: \_\_\_\_\_ Order Quantity of Pistons: \_\_\_\_\_

Cubic Inch Displacement: \_\_\_\_\_ Max RPM: \_\_\_\_\_ Approx. HP: \_\_\_\_\_

Block Material:  
 Aluminum  Iron

Bore Material:  
 Aluminum  Iron  Steel  Niksail Max Torque: \_\_\_\_\_

Bore Size: \_\_\_\_\_ Stroke: \_\_\_\_\_

Rod Length: \_\_\_\_\_  
 Steel  Aluminum  Titanium

Brand: \_\_\_\_\_

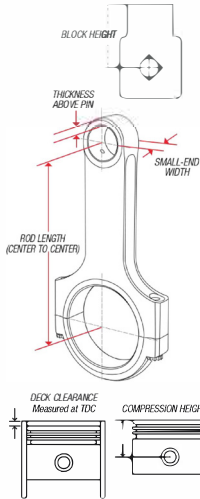
Rod Small-End Width: \_\_\_\_\_

Thickness Above Pin: \_\_\_\_\_

Piston Guided Rod:  Yes  No

### Compression Height Calculation Table

Block Height: _____
- 1/2 of Stroke: _____
Rod Length: _____
Deck Clearance +/-: _____
Compression Height: _____



Head Gasket Thickness: \_\_\_\_\_

Head Gasket ID: \_\_\_\_\_

Compression Ratio: \_\_\_\_\_

**CAMSHAFT SPECS:**  Hydraulic  Solid  Roller

Gross Valve Lift: In: \_\_\_\_\_ Ex: \_\_\_\_\_

Lobe Separation (°): \_\_\_\_\_ Duration @ .050: In: \_\_\_\_\_ Ex: \_\_\_\_\_

Degree in Std. °: + \_\_\_\_\_ ° - \_\_\_\_\_ °

Valve Lift @ TDC: In: \_\_\_\_\_ Ex: \_\_\_\_\_

Rocker Arm Ratio: \_\_\_\_\_

**CYLINDER HEAD** Type: \_\_\_\_\_ Pt. #: \_\_\_\_\_

Combustion Chamber Size: \_\_\_\_\_ cc's

Valve Diameter: In: \_\_\_\_\_ Ex: \_\_\_\_\_

Free Drop (If Known): \_\_\_\_\_

Was Cylinder Head Milled?:  Yes  No

If Cylinder Head Milled, How much?: Flat: \_\_\_\_\_ Angled: \_\_\_\_\_

### FORGING TYPE

Full Round  FSR  FSR with External Bracing

FSR with Internal and External Bracing  Ultra Series FSR  Billet FSR

**Piston Type: (Check One If Known)**

Dome  Flat Top  Dish  Inverted Dome

Conical  Spherical  Round  3D

**Pistons Designed For:**  Circle Track  Asphalt  Dirt

Drag Race  Road Race  Marine  Street/Strip

Other (Please Specify): \_\_\_\_\_

**Is Your Motor:**  Carbureted  Injected

Turbo Charged: Lbs. Boost: \_\_\_\_\_  Blown: Lbs. Boost: \_\_\_\_\_

Nitrous - How much HP:  100  250  350  400+

Other (Please Specify): \_\_\_\_\_

REV NC

**Fuel Type:**  Pump Gas  Race Gas  Alcohol  Nitro

### PISTON RINGS

Purchasing Rings with Order:  Yes  No Cylinder Qty: \_\_\_\_\_

If **NOT** Purchasing Rings, Please Provide Set Brand and Part Number: \_\_\_\_\_

Axial Ring Height: **AXIAL RING HEIGHT**  
Top: \_\_\_\_\_ 2nd: \_\_\_\_\_ Oil: \_\_\_\_\_

Axial Ring Widths: **RADIAL RING WIDTH**  
Top: \_\_\_\_\_ 2nd: \_\_\_\_\_ Oil: \_\_\_\_\_

Rail Supports  
 Ring Tension  L  S  H

### OPTIONAL FEATURES

Gas Ports; Vertical \_\_\_\_\_

Gas Ports; Lateral \_\_\_\_\_

Accumulator Grooves \_\_\_\_\_

Contact Reduction \_\_\_\_\_

3D Undercrown Milling \_\_\_\_\_

Gold Thermal Barrier Crown Coating \_\_\_\_\_

Tuff Skirt Coating \_\_\_\_\_

Kool Kote \_\_\_\_\_

Kool Kote Top \_\_\_\_\_

Ultra Groove  With Gas Porting  Without Gas Porting

EN Plating \_\_\_\_\_

Anodized Ring Groove \_\_\_\_\_

### PIN SPECS

Pin Diameter: \_\_\_\_\_ Length: \_\_\_\_\_ Wall Thickness: \_\_\_\_\_ Qty: \_\_\_\_\_

Pins With Order:  Yes  No Pin Fit:  Yes  No

Pin Series:  51  52  93  94  95  H13  H13 DLC

Locks:  Double Spiro Locks  Wire Lock  True Arc  HookWire

Single Spiro Locks  Single True Arc  Buttons

**JE Pistons reserves the right to choose appropriate pin length if supplying pins per each piston design.**

**Expedite Services:**

Blue Expedite (14-20 Days) \$25 per piston

Red Expedite (7-14 Days) \$50 per piston

\*\*\*All Expedites Are Subject To Availability\*\*\*

**RETURN POLICY:** Custom Pistons are returnable only for defects in workmanship or materials in the as received condition. Under no circumstances will parts be returnable after 90 days. Please check packaging for complete details regarding return policy. All returns require "Return Materials Authorization" (RMA) number, available from the JE sales department.

Customer Name: \_\_\_\_\_

Customer Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Customer's Email Address: \_\_\_\_\_



# *THE INDUSTRY LEADER IN FORGED RACING PISTONS*

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10800 Valley View St,  
Cypress, California, 90630, USA  
JEPISTONS.COM

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