

Performance RACING Pistons



**PROJECT**

**09**

Product  
GUIDE





CP PISTONS PROJECT



## THE X FACTOR FOR COMPETITIVE STREET BIKES / POWERSPORTS APPLICATIONS

After two years of development, CP has expanded its X-forging technology from its custom racing piston program and introduced Project X Pistons: Off-the-shelf fully boxed pistons for a variety of street bike and Powersports applications including Honda, Yamaha, Suzuki, Kawasaki, KTM and others. CP Piston's fully boxed forgings are designed to minimize friction and reduce weight without compromising piston strength. CP adjusts the weight balance between the high and low areas of the piston during the forging process, and incorporates bracing and ribs for near unbeatable strength. The inherent design of CP Piston's X forgings allow for the use of a shorter pin, which increases strength and overall lightness of the assembly.

### PROJECT X PISTON LINE FEATURES:

- *Leading edge racing piston technology available off-the-shelf*
- *Fully boxed-style forging for ultimate strength, durability and power*
- *Reconfigured piston skirt designs maximize power and reduce piston rocking*
- *Coated skirts limit the amount of friction on the skirt/acts as buffer between piston and cylinder wall*
- *Double-pin oilers engineered in conjunction with broached oilers to deliver twice the amount of oil to the pin*
- *Internal windows allow additional oil to flow to pin*
- *Wrist pins treated with proprietary coating to eliminate pin galling and overcome brittleness associated with hardened metals*

As with everything at CP, these pistons have been thoroughly developed and tested in extreme applications. The result is a state of the art piston using the latest in technology that was once only offered to the higher echelons of motorsports. All Project X pistons are available off the shelf and are listed throughout the catalog for your application.



- A- External bracing minimizes piston deformation to maintain maximum ring support to deliver more power.
- B- Internal bracing strengthens the part in the most critical area: the pin bore. This bracing maximizes durability while decreasing friction in the pin assembly.
- C- Internal windows allow excess oil to reach the wrist pin. These windows along with CP standard double pin oilers promote longer life and more useable horsepower.
- D- Wider skirt faces and redesigned profiles are engineered for stability, power and durability. All Project "X" pistons come standard with skirt coating which reduces friction, which in turn reduces heat. (Coating not shown)

“Back when Carmichael started racing the RMZ450Z (four stroke) we began working with CP to develop a new type of piston to meet our demands while being lightweight and durable. As time went on and new designs kept showing up, the pistons kept getting better, stronger and lighter to the point where even our Japanese engineers have been impressed with the performance and durability. Today, from Chad Reed to Ryan Dungey, the whole team relies on CP Pistons and their latest technology.”

**Roger Decoster**  
Team Manager  
Team Makita Suzuki

**THIS NEW TECHNOLOGY IS NOW  
KNOWN AS “PROJECT X”**





# About CP PISTONS

## WHY CHOOSE CP PISTONS?

In the high pressure world of motorsports, some of the top names rely on CP Pistons to meet their needs. Here are a few reasons why.

### RESEARCH AND DEVELOPMENT

CP Pistons is backed by some of the brightest minds in the industry. This core group allows us to explore angles not possible using conventional methods. By enlisting the latest in cutting edge software, CP packages together creativity, experience and proven technology to bring you the best parts for your application. Our commitment to excellence continues to advance as the industry changes. This commitment has resulted in more forgings specific to certain applications, proprietary treated tooling and fixturing manufactured only for CP. Each of these aspects has been put through stringent research and development stages to ensure that our product will exceed your standards.

### 3D MODELING

Each forging is designed using an advanced 3D modeling software package and is qualified through a rigorous Finite Element Analysis entity. 3D modeling enables CP to check thicknesses and weights before manufacturing allowing us to produce the strongest and lightest part for your application.

### QUALITY

CP has developed proprietary tooling, dedicated cutters and unconventional fixtures to ensure that each piston is produced to the highest quality. Our 5-axis machining techniques allow us to create any piston while our computerized electronic inspection equipment makes sure we manufacture parts to the tightest tolerances in the industry.

### CUSTOMER SERVICE

CP Pistons is backed by a staff with over 100 years of experience. Our staff is committed to your success through technical support and account maintenance. All of our sales staff are equipped with comprehensive information from piston specs to applications, and are committed to grow our business in a positive and professional manner so that your business can do the same.

### AT CP, ALL PISTONS ARE CREATED EQUAL

Whether you are a professional racer or a weekend warrior, CP prides itself to giving you the best part possible for your applications. All pistons at CP are put through a demanding quality control system and precise computerized machining, ensuring that your piston is the best piston available.

### EXPOSURE

Along with a variety of trade shows CP attends each year, we continually promote our product through magazine articles and advertisements featured in top industry publications. Furthermore, many of the top names in motorsports proudly run our products and display CP decals on their race vehicles. We will continue to promote our product in a positive way so that your business will thrive.



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# CP Standard FEATURES



## ANTI DETONATION GROOVES

Anti Detonation Grooves (Contact Reduction Grooves) are grooves that protect the top ring by disrupting detonation waves. Also known as contact reduction grooves, these grooves limit the piston/cylinder contact during high temperature and RPM.



## ACCUMULATOR GROOVE

Accumulator Groove is a V-shaped groove machined in the 2nd ring land to collect excess blow-by between the top and second ring. This groove collects residual gasses during combustion and alleviates top ring flutter while increasing ring seal.



## DOUBLE PIN OILERS

Double Pin Oilers in conjunction with our dual fed reservoir add twice the amount of oil from the cylinder wall to the wrist pin.



## X-FORGINGS

X-Forgings are designed to minimize friction and reduce weight without compromising strength. With the use of bracing and ribs, the forging is configured by adjusting the weight balance between high and low stress areas. This design enables the use of a shorter pin for added strength and weight savings.



## RADIUSED DOMES

Radiused Domes are used to maximize quench while eliminating possible hot spots that promote detonation.

## CAM AND BARREL

Extensive research and development has been done to find the optimum skirt shape for each piston. Having the correct cam and barrel on a part promotes the following:

1. Tighter clearances
2. Better ring seal
3. More power
4. Durability

Depending on the forging and application, different cam and barrel profiles are utilized for maximum performance.

## PROPRIETARY TREATED WRIST PINS

Based on extensive research and development, CP now offers treated wrist pins that eliminate pin galling. All of these pins are standard equipment with CP kits.

### FRICION REDUCTION

The fine grooves that are intrinsically engraved into the product surface at the time of machining are transformed into micro-dimple indentations by the impact of the ultra-fine media during treatment. These dimples then act as oil reservoirs and the oil that would normally drain away through the grooves on an untreated product is instead retained in the dimples of a treated product. This helps to keep the surface lubricated.



Untreated Pin



Treated Pin

### DURABILITY

The ultra-fine media, when projected at high velocity towards the product surface, creates compressive stress at the impact points. At the same time, a micro thermal reaction takes place and seals minor surface fractures. It also allows a condensed surface to form that has improved density due to compaction. This altered and highly compact surface condition overcomes the problem of brittleness that is usually encountered when metals are hardened.

## PREMIUM PINS (DLC - DIAMOND-LIKE COATING)

CP Diamond-Like Coated Premium Pins are manufactured from high quality 9310 steel. Our metal-free carbon coating is harder than steel ensuring a durability unsurpassed by any other pin on the market today. They are ISO9000 and QS9000 certified ensuring consistency, quality and performance. DLC pins offer a high resistance to abrasive wear which extends the service life and reliability under extreme conditions. These pins are offered as a lightweight high strength alternative that many of the top teams in motorsports rely on every weekend.

- *Enhanced surface hardness*
- *Improved surface quality*
- *Low friction coefficient*
- *1 micron surface finish*
- *Case hardened (computerized gas process)*
- *Gun drilled I.D.'s with 3 stages of honing*
- *Weight tolerance  $\pm 1$  gram*
- *Cryogenically treated (subzero heat-treating process) for improved material strength and grain structure*





# CPN / CPN2 / CP(C) Rings

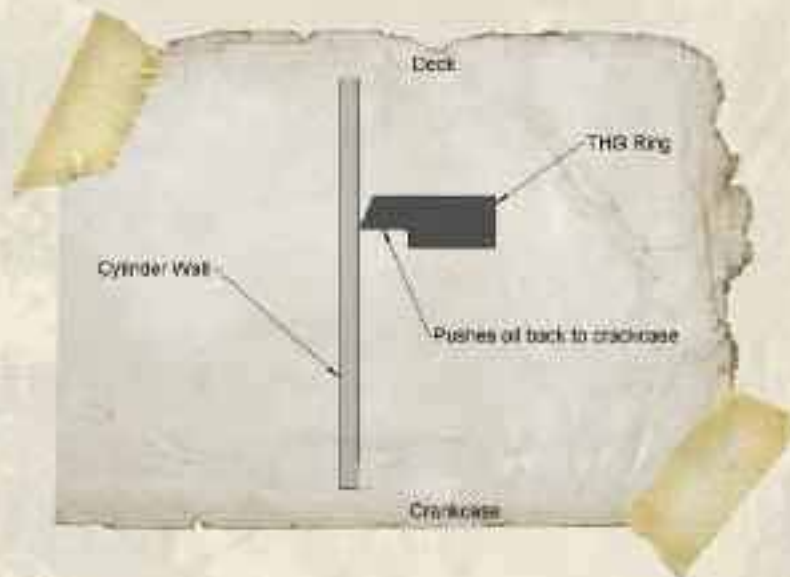
## CPN RINGS

### TOP RING

The top ring is a steel compression ring that has been gas nitrided so that it is compatible with Nikasil and cast iron bores. This scuff resistant gas nitrided ring allows it to operate at maximum efficiency without blemishing up the bore. The nitriding ensures extended life and protection under extreme conditions.

### SECOND RING

The second ring is a cast iron with a Taper Hook Groove face. The THG ring acts as a wiper and pushes the oil back away from combustion. This type of ring allows you to run a lower tension oil ring.



## OIL RING

The oil ring is made up of two gas nitrided rails with a low-tension expander. Because of the mini flex vent design, there is less friction on the cylinder wall, which increases the performance and efficiency of the engine.

These ring sets are high strength and low tension, resulting in maximum sealing with minimum drag.

### AVAILABLE SIZES:

CPN ring sets (1mm x 1.2mm x 2.8mm)  
75-76, 78.5 - 94mm

CPN2 ring sets (1mm x 1.2mm x 2.0mm)  
81-85, 89, 92 - 100mm

CP(C) ring sets (.8mm x 1.5mm)  
66, 68, 76 - 82mm



## HONDA® PISTON KITS

Honda® pistons are available in standard over sizes and big bore kits. These pistons are compatible with oversize valves, higher lift cams and incorporate an "X" style forging for additional strength, durability and weight reduction. Along with full radius dome designs, high performance rings and lightweight pins, these pistons represent the highest quality and are engineered for maximum power. Pistons can be ordered with or without skirt coating. Gaskets sold separately.



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### **MEETING YOUR EXPECTATIONS**

Consistent quality remains our number one goal and we pride ourselves on our extensive multi-level inspection process and quality control programs. Our climate controlled inspection department is one of the most advanced in the industry and is outfitted with computerized electronic equipment designed specifically for CP.





# HONDA Pistons

## HONDA

Dirt Bikes

### CRF 150R 2007 - 09

Stock Bore: 2.598 (66mm) Stock Stroke: 1.720 (43.7mm)

150cc liquid cooled, single cylinder four stroke

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER
M2043C	66mm Standard bore (149cc) <i>Honda CRF150R 13.0:1</i>	W551-1500-12CP1C	551-040SWL	CP6600C	C3187-EST	Deglaze
Designed for stock concave valves						
M2044C	66mm Standard bore (149cc) <i>Honda CRF150R 13.0:1</i>	W551-1500-12CP1C	551-040SWL	CP6600C	C3187-EST	Deglaze
Designed for flat valves						
OVERSIZE PISTONS						
M2056C	68mm +2mm oversize (158cc) <i>Honda CRF150R 13.0:1</i>	W551-1500-12CP1C	551-040SWL	CP6800C	C3171-EST	Bore and Replate

CRF 150R



XR 400R  
TRX 400EX



## HONDA

Dirt Bikes

Quads

### XR400R/TRX 400EX 1996 - 09

Stock Bore: 3.346 (85mm) Stock Stroke: 2.755 (70mm)

397cc air cooled, dry sump, single cylinder 4 stroke

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER
M2003	85mm Standard bore (397cc) <i>Honda XR400R 11:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3347	C7825	Deglaze
M2004	85mm Standard bore (397cc) <i>Honda XR400R 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3347	C7825	Deglaze
OVERSIZE PISTONS						
M2005	86mm +1mm oversize (407cc) <i>Honda XR400R 11:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3386	C7825	Bore and Hone
M2006	86mm +1mm oversize (407cc) <i>Honda XR400R 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3386	C7825	Bore and Hone
M2007	87mm +2mm oversize (416cc) <i>Honda XR400R 11:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3425	C7826	Bore and Hone
M2008	87mm +2mm oversize (416cc) <i>Honda XR400R 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3425	C7826	Bore and Hone
M2033	89mm +4mm oversize (435cc) <i>Honda XR400R 11.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN-3504	C7826	Bore and Hone

# HONDA Pistons



## HONDA



### CRF 250R 2004 - 08

Stock Bore: 3.071 (78mm) Stock Stroke: 2.055 (52.2mm)

250cc liquid cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M2042C	78mm standard bore (249cc) <i>Honda CRF250R 13.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
M2000C	78mm standard bore (256cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
MX2000C	78mm standard bore (256cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
<b>OVERSIZE PISTONS</b>						
MX2061C	79mm +1mm oversize bore (256cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	Call	Bore and Replate
MX2062C	79mm +1mm oversize bore (256cc) <i>Honda CRF250R 14.25:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	Call	Bore and Replate
M2050C	80mm +2mm oversize bore (262cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8000C	C7189-EST	Requires sleeve or cylinder(A)
M2051C	81mm +3mm oversize bore (268cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7189-EST	Requires sleeve or cylinder(A)

A - Nikasil Cylinder

### CRF 250R 2004 - 08 FULL RACE TRENCHED PISTONS

MX2100C	78mm Standard bore (249cc) <i>Honda CRF250R 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
Trenched Pistons with Bump Pockets (Setup for stock valves or stock type, concave valves)						
MX2108C	78mm Standard bore (249cc) <i>Honda CRF250R 14.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze

Project X Available Now

### CRF 250R 2009

Stock Bore: 3.071 (78mm) Stock Stroke: 2.055 (52.2mm)

250cc liquid cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M2060C	78mm standard bore (249cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
MX2060C	78mm standard bore (249cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
<b>OVERSIZE PISTONS</b>						
M2064C	79mm +1mm oversize bore (256cc) <i>Honda CRF250R 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	Call	Bore and Replate
MX2067C	79mm +1mm oversize bore (256cc) <i>Honda CRF250R 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	Call	Bore and Replate
MX2068C	81mm +3mm oversize bore (256cc) <i>Honda CRF250R 14.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7189-EST	Requires sleeve cylinder(A)

### CRF 250R 2009 FULL RACE TRENCHED PISTONS

MX2066C	78mm standard bore (249cc) <i>Honda CRF250R 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze
Trenched Pistons with Bump Pockets (Setup for stock valves or stock type, concave, valves)						
MX2065C	78mm standard bore (249cc) <i>Honda CRF250R 14.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7800C	C7185	Deglaze

Project X Available Now

A - Nikasil Cylinder



# HONDA Pistons



## HONDA

### CRF 450R 2002 - 08

Stock Bore: 3.780 (96mm) Stock Stroke: 2.441 (62mm)

450cc liquid cooled, single cylinder 4 stroke

PART #	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER	
M2009	96mm standard bore (449cc) <i>Honda CRF450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
M2029	96mm standard bore (449cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
MX2029	96mm standard bore (449cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
M2010	96mm standard bore (449cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
MX2010	96mm standard bore (449cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
<b>OVERSIZE PISTONS</b>							
M2011	97mm +1mm oversize (458cc) <i>Honda CRF450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	C3049-EST	Bore and Replate	
M2012	97mm +1mm oversize (458cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	C3049-EST	Bore and Replate	
M2013	98mm +2mm oversize (468cc) <i>Honda CRF450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPNZ-3858	C3049-EST	Bore and Replate	
M2031	98mm +2mm oversize (468cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3858	C3049-EST	Bore and Replate	
M2014	98mm +2mm oversize (468cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPNZ-3858	C3049-EST	Bore and Replate	
M2015	99mm +3mm oversize (477cc) <i>Honda CRF450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3897	C3049-EST	Requires sleeve or cylinder (A)	
M2016	99mm +3mm oversize (477cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPNZ-3897	C3049-EST	Requires sleeve or cylinder (A)	
M2032	100mm +4mm oversize (486cc) <i>Honda CRF450R 12.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3937	C3077-EST	Requires sleeve or cylinder (A)	
M2052	100mm +4mm oversize (486cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3937	C3077-EST	Requires sleeve or cylinder (A)	

A - Nikasil Cylinder

### CRF 450R 2002 - 08 FULL RACE PISTON

M2045	96mm standard bore (449cc) <i>Honda CRF450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	
MX2045	96mm standard bore (449cc) <i>Honda CRF450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3047-EST	Deglaze	

Project X Available April 2009



# HONDA Pistons



## HONDA

### CRF 450R 2009

Stock Bore: 3.780 (96mm) Stock Stroke: 2.441 (62mm)

450cc liquid cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M2057	96mm standard bore (449cc) <i>Honda CRF450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
M2058	96mm standard bore (449cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
MX2058	96mm standard bore (449cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
M2059	96mm standard bore (449cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
MX2059	96mm standard bore (449cc) <i>Honda CRF450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
OVERSIZE PISTONS						
M2069	98mm +2mm oversize (468cc) <i>Honda CRF450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3858	Call	Bore and Replate

### CRF 450R 2009 FULL RACE PISTON

M2063	96mm standard bore (449cc) <i>Honda CRF450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze
MX2063	96mm standard bore (449cc) <i>Honda CRF450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	Call	Deglaze

Project X Available April 2009





# HONDA Pistons

## HONDA

Quads

### TRX 300EX 1992 - 09

Stock Bore: 2.913 (74mm) Stock Stroke: 2.579 (65.5mm)

282cc air cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M2039	74mm standard bore (282cc) <i>Honda TRX 300EX 11.5:1</i>	W669-1810-12CP1C	669-050SWL	CPUA - 2913	C7143-EST	Deglaze
<b>OVERSIZE PISTONS</b>						
M2040	75mm +1mm oversize bore (289cc) <i>Honda TRX 300EX 11.5:1</i>	W669-1810-12CP1C	669-050SWL	CPUG - 2953	C7143-EST	Bore and Hone
M2041	76mm +2mm oversize bore (297cc) <i>Honda TRX 300EX 11.5:1</i>	W669-1810-12CP1C	669-050SWL	CPUG - 2992	C7906-EST	Bore and Hone

### TRX 450R 2004 - 05

Stock Bore: 3.701 (94mm) Stock Stroke: 2.551 (64.8mm)

450cc liquid cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M2021	94mm standard bore (450cc) <i>Honda TRX450R 11.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3701	C7877-EST	Deglaze
M2035	94mm standard bore (450cc) <i>Honda TRX450R 12.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3701	C7877-EST	Deglaze
M2017	94mm standard bore (450cc) <i>Honda TRX450R 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3701	C7877-EST	Deglaze
<b>OVERSIZE PISTONS</b>						
M2022	95mm +1mm oversize (459cc) <i>Honda TRX450R 11.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3740	C7199	Bore and Replate
M2018	95mm +1mm oversize (459cc) <i>Honda TRX450R 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3740	C7199	Bore and Replate
M2023	96mm +2 oversize (459cc) <i>Honda TRX450R 11.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3780	C7201-EST	Bore and Replate
M2019	96mm +2 oversize (459cc) <i>Honda TRX450R 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3780	C7201-EST	Bore and Replate
M2055	97mm +3 oversize (459cc) <i>Honda TRX450R 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3819	C7201-EST	Requires sleeve or cylinder (A)
M2024	98mm +4mm oversize (489cc) <i>Honda TRX450R 11.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-3858	C3044	Requires sleeve or cylinder (A)
M2020	98mm +4mm oversize (489cc) <i>Honda TRX450R 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPNZ-3858	C3044	Requires sleeve or cylinder (A)

A - Nikasil Cylinder

### TRX 450R 2004 - 05 FULL RACE PISTON

M2025	94mm standard bore (449cc) <i>Honda TRX450R 13.5:1 Full Race</i>	W827-2000-15CP1C	827-063SWL	CPN2-2-3701	C7877-EST	Deglaze
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# HONDA Pistons



## HONDA



Quads

### TRX 450R 2006 - 09

Stock Bore: 3.780 (96mm) Stock Stroke: 2.441 (62mm)

450cc liquid cooled, single cylinder 4 stroke

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER	
M2036	96mm standard bore (449cc) <i>Honda TRX450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3780	C3139-EST	Deglaze	
M2037	96mm standard bore (449cc) <i>Honda TRX450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3780	C3139-EST	Deglaze	
MX2037	96mm standard bore (449cc) <i>Honda TRX450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3780	C3139-EST	Deglaze	
M2053	96mm standard bore (449cc) <i>Honda TRX450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3780	C3139-EST	Deglaze	
MX2053	96mm standard bore (449cc) <i>Honda TRX450R 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3780	C3139-EST	Deglaze	
OVERSIZE PISTONS							
M2038	98mm +2mm oversize bore (468cc) <i>Honda TRX450R 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3858	C3141-EST	Bore and Replate	
M2054	100mm +4mm oversize bore (486cc) <i>Honda TRX450R 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-3937	C3156-EST	Requires sleeve or cylinder (A)	

A - Nikasil Cylinder

### TRX 450R 2006 - 09 FULL RACE PISTON

M2045	96mm standard bore (449cc) <i>Honda TRX450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3139-EST	Deglaze	
MX2045	96mm standard bore (449cc) <i>Honda TRX450R 14.0:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3139-EST	Deglaze	

Project X Available April 2009

TRX 450R  
RACE PISTON



TRX 300EX





# YAMAHA Pistons

## YAMAHA® PISTON KITS

Yamaha® pistons are available in standard and big bore kits. These kits are compatible with oversize valves, higher lift cams and incorporate an “X” style forging for additional strength, durability and weight reduction. Along with full radius dome designs, high performance ring sets and lightweight pins, these kits represent the highest quality and are engineered for maximum power.



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### SETTING US APART FROM THE COMPETITION

Our unique proprietary forging designs are created using advanced 3-dimensional software and enhanced using Finite Element Analysis. Along with extensive testing with some of the top names in motorsports, our dome and skirt profiles are continuously updated to give you the best piston available.





## YAMAHA

Dirt Bikes

### YZ250F 2001 - 04

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

250cc liquid cooled, single cylinder 4 stroke, 5 valve

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER
M1028C	77mm standard bore (250cc) <i>2001-04 YZ250F 13.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
M1029C	77mm standard bore (250cc) <i>2001-04 YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
<b>OVERSIZE PISTON</b>						
M1033C	79mm +2mm bore (263cc) <i>2001-04 YZ250F 13.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C3057	Bore and Replate

## YAMAHA








Dirt Bikes

### YZ250F 2005 - 09


Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

250cc liquid cooled, single cylinder 4 stroke, 5 valve

PART #	DESCRIPTION	PIN PART NUMBER	LOCKS	RINGS	GASKET KIT	CYLINDER
M1032C	77mm standard bore (250cc) <i>Yamaha YZ250F 12.8:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
MX1032C	77mm standard bore (250cc) <i>Yamaha YZ250F 12.8:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze 
M1034C	77mm standard bore (250cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
MX1034C	77mm standard bore (250cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze 
M1035C	77mm standard bore (250cc) <i>Yamaha YZ250F 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
MX1035C	77mm standard bore (250cc) <i>Yamaha YZ250F 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze 
<b>OVERSIZE PISTONS</b>						
M1036C	79mm +2mm bore (263cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C3057	Bore and Replate
MX1036C	79mm +2mm bore (263cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C3057	Bore and Replate 
M1050C	80mm +3mm bore (269cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8000C	C3059-EST	Requires sleeve or cylinder (A)
MX1050C	80mm +3mm bore (269cc) <i>Yamaha YZ250F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8000C	C3059-EST	Requires sleeve or cylinder (A) 

A - Nikasil Cylinder

### YZ250F 2005 - 09 FULL RACE PISTONS

M1135C	77mm standard bore (250cc) <i>Yamaha YZ250F 14.25:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze
MX1135C	77mm standard bore (250cc) <i>Yamaha YZ250F 14.25:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C7796	Deglaze 

Project X Available Now



# YAMAHA Pistons



## YAMAHA

### YZ450F 2003 - 09 (BIKE)

Stock Bore: 3.740 (95mm) Stock Stroke: 2.496 (63.4mm)

450cc liquid cooled, single cylinder 4 stroke, 5 valve

PART #	DESCRIPTION	PIN PART NUMBER	LOCKS	RINGS	GASKET KIT	CYLINDER	
M1010	95mm standard bore (449cc) <i>Yamaha (Bike) 13:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	
MX1010	95mm standard bore (449cc) <i>Yamaha (Bike) 13:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	
M1011	95mm standard bore (449cc) <i>Yamaha (Bike) 13.5:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	
MX1011	95mm standard bore (449cc) <i>Yamaha (Bike) 13.5:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	
<b>OVERSIZE PISTONS</b>							
M1030	97mm +2mm oversize (468cc) <i>Yamaha (Bike) 13:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3819	C3064 (03 - 05) C3178 (06 - 09)	Bore and Replate	
M1031	97mm +2mm oversize (468cc) <i>Yamaha (Bike) 13.5:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3819	C3064 (03 - 05) C3178 (06 - 09)	Bore and Replate	
MX1031	97mm +2mm oversize (468cc) <i>Yamaha (Bike) 13.5:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3819	C3064 (03 - 05) C3178 (06 - 09)	Bore and Replate	
M1051	98mm +3mm oversize (478cc) <i>Yamaha (Bike) 13.5:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-3858	C3064 (03 - 05) C3178 (06 - 09)	Requires sleeve or cylinder (A)	

A - Nikasil Cylinder

### YZ450F 2003 - 09 FULL RACE PISTON

M1043	95mm standard bore (449cc) <i>Yamaha (Bike) 13.75:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	
MX1043	95mm standard bore (449cc) <i>Yamaha (Bike) 13.75:1</i>	W708-2000-15-CP1C	708-050SWL	CPN2-2-3740	C7947 EST (03 - 05) C7908 EST (06 - 09)	Deglaze	

Project X Available April 2009



# YAMAHA Pistons



Quads

## YAMAHA

### YFZ450F 2003 - 06/2006 - 09\*\* (QUAD)

Stock Bore: 3.740 (95mm) Stock Stroke: 2.440 (62mm) 2.496 (63.4mm) 450cc liquid cooled, single cylinder 4 stroke, 5 valve

PART #	DESCRIPTION	PIN PART NUMBER	LOCKS	RINGS	GASKET KIT	CYLINDER
M1000	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>12.5:1 / 12.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3740	C3066	Deglaze
M1001	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.0:1 / 13.25:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3740	C3066	Deglaze
MX1001	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.0:1 / 13.25:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3740	C3066	Deglaze
M1002	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.5:1 / 13.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3740	C3066	Deglaze
MX1002	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.5:1 / 13.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3740	C3066	Deglaze
<b>OVERSIZE PISTONS</b>						
M1004	96mm +1mm oversize <i>449cc / 459cc</i> Yamaha YFZ 450 <i>13.0:1 / 13.25:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3780	C3066	Bore and Replate
M1005	96mm +1mm oversize <i>449cc / 459cc</i> Yamaha YFZ 450 <i>13.5:1 / 13.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3780	C3066	Bore and Replate
M1006	97mm +2mm oversize <i>458cc / 468cc</i> Yamaha YFZ 450 <i>12.5:1 / 12.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3819	C7502	Bore and Replate
M1007	97mm +2mm oversize <i>458cc / 468cc</i> Yamaha YFZ 450 <i>13.0:1 / 13.25:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3819	C7502	Bore and Replate
M1008	97mm +2mm oversize <i>458cc / 468cc</i> Yamaha YFZ 450 <i>13.5:1 / 13.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3819	C7502	Bore and Replate
MX1008	97mm +2mm oversize <i>458cc / 468cc</i> Yamaha YFZ 450 <i>13.5:1 / 13.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3819	C7502	Bore and Replate
M1009	98mm +3mm oversize <i>468cc / 478cc</i> Yamaha YFZ 450 <i>12.5:1 / 12.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3858	C7502	Bore and Replate
MX1009	98mm +3mm oversize <i>468cc / 478cc</i> Yamaha YFZ 450 <i>12.5:1 / 12.75:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-3858	C7502	Bore and Replate

### YFZ450F 2003 - 09 FULL RACE PISTONS

M1026	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.25:1 / 13.5:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-2-3740	C3066	Deglaze
MX1026	95mm standard bore <i>439cc / 449cc</i> Yamaha YFZ 450 <i>13.25:1 / 13.5:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2-2-3740	C3066	Deglaze

\*\* 2003 - 06 specs indicated in Blue / 2006 - 09 specs indicated in RED

Project X Available April 2009

## YAMAHA

Quads

### 2008 - 09 RAPTOR 250

Stock Bore: 2.913 (74mm) Stock Stroke: 2.283 (58mm) 249cc air/oil cooled 4 stroke; SOHC, 2 valve

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M1060	74mm standard bore (249cc) Raptor 250 <i>11:1</i>	W669-1810-12CP1C	669-050SWL	CPUA-2913	Call	Deglaze
M1061	74mm standard bore (249cc) Raptor 250 <i>12:1</i>	W669-1810-12CP1C	669-050SWL	CPUA-2913	Call	Deglaze
M1062	74mm standard bore (249cc) Raptor 250 <i>13:1</i>	W669-1810-12CP1C	669-050SWL	CPUA-2913	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M1063	77mm +3mm oversize (270cc) Raptor 250 <i>11:1</i>	W669-1810-12CP1C	669-050SWL	CP7700C CPUG Second	Call	Bore and Replate
M1065	77mm +3mm oversize (270cc) Raptor 250 <i>12.5:1</i>	W669-1810-12CP1C	669-050SWL	CP7700C CPUG Second	Call	Bore and Replate



## YAMAHA

Quads

### YFM 660 RAPTOR 2002 - 05 RHINO 660

Stock Bore: 3.937 (100mm) Stock Stroke: 3.307 (84mm)

660cc liquid cooled, single cylinder 4 stroke, 5 valve

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M1015A	100mm standard bore (660cc) <i>Yamaha Raptor/Rhino 11:1</i>	W866-2250-15-CP1C	866-063SWL	RS1610XHH-3937	C7044-EST	Deglaze
<b>OVERSIZE PISTONS</b>						
M1016A	102mm +2mm oversize (686cc) <i>Yamaha Raptor/Rhino 11:1</i>	W866-2250-15-CP1C	866-063SWL	RS1008-4010-5	C7798	Bore and Replate
M1017A	102mm +2mm oversize (686cc) <i>Yamaha Raptor/Rhino 12:1</i>	W866-2250-15-CP1C	866-063SWL	RS1008-4010-5	C7798	Bore and Replate
M1018A	102mm +2mm oversize (686cc) <i>Yamaha Raptor/Rhino 12.5:1</i>	W866-2250-15-CP1C	866-063SWL	RS1008-4010-5	C7798	Bore and Replate
M1019A	105mm +5mm oversize (727cc) <i>Yamaha Raptor/Rhino 12.0:1</i>	W866-2250-15-CP1C	866-063SWL	RS1000-4130-5	C7909	Requires Sleeve or Cylinder (A)

### 2006 - 09 RAPTOR 700R RHINO 700FI

Ring Sets for Nikasil Cylinder

Stock Bore: 4.016 (102mm) Stock Stroke: 3.307 (84mm)

686cc liquid cooled, single cylinder 4 stroke, 4 valve

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M1039	102mm standard bore (686cc) <i>Yamaha Raptor/Rhino 11.0:1</i>	W905-2250-15CP1C	905-063SWL	RS1610XHH NCR-4015-0	C3142-EST	Deglaze
M1040	102mm standard bore (686cc) <i>Yamaha Raptor/Rhino 12.0:1</i>	W905-2250-15CP1C	905-063SWL	RS1610XHH NCR-4015-0	C3142-EST	Deglaze
<b>OVERSIZE PISTONS</b>						
M1041	105mm +3mm oversize (727cc) <i>Yamaha Raptor/Rhino 10.75</i>	W905-2250-15CP1C	905-063SWL	RS1000 NCR-4130-5	C3144-EST	Bore and Replate
M1042	105mm +3mm oversize (727cc) <i>Yamaha Raptor/Rhino 12:1</i>	W905-2250-15CP1C	905-063SWL	RS1000 NCR-4130-5	C3144-EST	Bore and Replate
M1053	105mm +3mm oversize (727cc) <i>Yamaha Raptor/Rhino 13:1</i>	W905-2250-15CP1C	905-063SWL	RS1000 NCR-4130-5	C3144-EST	Bore and Replate
M1054	105.5mm +3.5mm oversize (734cc) <i>Yamaha Raptor/Rhino 12.5:1</i>	W905-2250-15CP1C	905-063SWL	RS1000 NCR-4150-5	Call	Bore and Replate

## YAMAHA

Street Bikes

### YFZ R1 2004 - 2006

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

998cc liquid cooled, 20 valve, DOHC, Inline 4 cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M1023	77mm standard bore (998cc) <i>Yamaha R1 13:1</i>	W669-1650-11CP1C	669-050SWL	CPUG-3032	C8686	Deglaze
<b>OVERSIZE PISTONS</b>						
M1025	78mm +1mm oversize (1025cc) <i>Yamaha R1 13:1</i>	W669-1650-11CP1C	669-050SWL	CPUG-3071	C8695	Bore and Replate
M1024	79mm +2mm oversize (1050cc) <i>Yamaha R1 13:1</i>	W669-1650-11CP1C	669-050SWL	CPUG-3110	C8695	Bore and Replate

### YFZ R1 2007 - 2009

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

998cc liquid cooled, 16 valve, DOHC, Inline 4 cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M1055C	77mm standard bore (998cc) <i>Yamaha R1 13:1</i>	W669-1650-11CP1C	669-050SWL	CP7700C Top and Oil CPUG Second	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M1056C	79mm +2mm oversize (998cc) <i>Yamaha R1 13:1</i>	W669-1650-11CP1C	669-050SWL	CP7900C Top and Oil CPUG Second	Call	Bore and Replate



## SUZUKI® PISTON KITS

Suzuki® pistons are available in standard and big bore kits. These kits are compatible with oversize valves, higher lift cams and incorporate an "X" style forging for additional strength, durability and weight reduction. Along with full radius dome designs, high performance ring sets and lightweight pins, these kits represent the highest quality and are engineered for maximum power.



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### 40,000 SQUARE FEET OF SERVICE

With a dedicated sales staff of 100+ years of motorcycle industry experience, we will continue to dedicate our efforts as the leader of high performance racing piston development and technology. Our Southern California facility boasts a large stocking inventory to provide you with the best delivery in the industry.





# SUZUKI Pistons



## SUZUKI

### RM-Z 250 2004 - 06

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

250cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3000C	77mm Standard Bore (250cc) <i>Suzuki RMZ 250 - 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054	Deglaze
MX3000C	77mm Standard Bore (250cc) <i>Suzuki RMZ 250 - 14.0:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054	Deglaze
OVERSIZE PISTONS						
M3001C	79mm +2mm oversize (263cc) <i>Suzuki RMZ 250 - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST	Bore and Replate
M3002C	79mm +2mm oversize (263cc) <i>Suzuki RMZ 250 - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST	Bore and Replate
MX3002C	79mm +2mm oversize (263cc) <i>Suzuki RMZ 250 - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST	Bore and Replate
M3007C	81mm +4mm oversize (276cc) <i>Suzuki RMZ 250 - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7221-EST	Requires Sleeve or Cylinder (A)
MX3007C	81mm +4mm oversize (276cc) <i>Suzuki RMZ 250 - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7221-EST	Requires Sleeve or Cylinder (A)

### RM-Z 250 2007 - 09

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

250cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3017C	77mm Standard Bore (249cc) <i>2007 Suzuki RM-Z250 - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700A	C3175-EST	Deglaze
MX3017C	77mm Standard Bore (249cc) <i>2007 Suzuki RM-Z250 - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700A	C3175-EST	Deglaze
M3016C	77mm Standard Bore (249cc) <i>2007 Suzuki RM-Z250 - 14.2:1</i>	W630-1650-13CP1C	630-050SWL	CP7700A	C3175-EST	Deglaze
MX3016C	77mm Standard Bore (249cc) <i>2007 Suzuki RM-Z250 - 14.2:1</i>	W630-1650-13CP1C	630-050SWL	CP7700A	C3175-EST	Deglaze
OVERSIZE PISTONS						
MX3002C	79mm +2mm oversize (263cc) <i>2008 Suzuki RM-Z250 - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C3177-EST	Bore and Replate

Project X Available Now

A - Nikasil Cylinder

## SUZUKI

Dirt Bikes

### DRZ 400

Stock Bore: 3.543 (90mm) Stock Stroke: 2.464 (62.4mm)

400cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4028	90mm standard bore (398cc) <i>Suzuki DRZ 400 - 12.5:1</i>	W787-1875-15CP1C	787-050SWL	CPN2-3543	Call	Deglaze
OVERSIZE PISTONS						
M3003	94mm +4mm oversize (434cc) <i>Suzuki DRZ 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3701	C7806	Bore and Replate
M3004	95mm +5mm oversize (450cc) <i>Suzuki DRZ 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3740	C7963	Requires Sleeve or Cylinder (A)

A - Nikasil Cylinder

# SUZUKI Pistons



## SUZUKI



Dirt Bikes

### RM-Z 450 2005 - 07

Stock Bore: 3.759 (95.5mm) Stock Stroke: 2.472 (62.8mm)

449cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER	
M3006A	95.5mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3102	Deglaze	
MX3006A	95.5mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3102	Deglaze	
M4009A	95.5mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3102	Deglaze	
MX4009A	95.5mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3102	Deglaze	
OVERSIZE PISTONS							
M3005	98mm +2.5mm oversize (473cc) <i>Suzuki RM-Z - 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPNZ-3858	C3127	Bore and Replate	
MX3005	98mm +2.5mm oversize (473cc) <i>Suzuki RM-Z - 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPNZ-3858	C3127	Bore and Replate	

### RM-Z 450 2008 - 09

Stock Bore: 3.780 (96mm) Stock Stroke: 2.445(62.1mm)

449cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER	
M3020	96mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3233 EST	Deglaze	
MX3020	96mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3233 EST	Deglaze	
M3021	96mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3233 EST	Deglaze	
MX3021	96mm Standard Bore (449cc) <i>Suzuki RM-Z450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3233 EST	Deglaze	

Project X Available April 2009

M4015A





# SUZUKI Pistons

## SUZUKI

Quads

### LTZ 400

Stock Bore: 3.543 (90mm) Stock Stroke: 2.464 (62.4mm)

400cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4028	90mm standard bore (398cc) <i>Suzuki LTZ 400 - 12.5:1</i>	W787-1875-15CP1C	787-050SWL	CPN2 - 3543	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M3003	94mm +4mm oversize (434cc) <i>Suzuki LTZ 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2 - 3701	C7979	Bore and Replate
M3004	95mm +5mm oversize (450cc) <i>Suzuki LTZ 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2 - 3740	C7980	Requires Sleeve or Cylinder

## SUZUKI






Quads


### LTR 450 2006 - 09

Stock Bore: 3.759 (95.5mm) Stock Stroke: 2.472 (62.8mm)

449cc, 4 stroke, single cylinder, liquid cooled DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4010A	95.5mm Standard Bore (449cc) <i>Suzuki LTR450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3208-EST	Deglaze
MX4010A	95.5mm Standard Bore (449cc) <i>Suzuki LTR450 - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3208-EST	Deglaze 
M4011A	95.5mm Standard Bore (449cc) <i>Suzuki LTR 450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3208-EST	Deglaze
MX4011A	95.5mm Standard Bore (449cc) <i>Suzuki LTR 450 - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3759	C3208-EST	Deglaze 
<b>OVERSIZE PISTONS</b>						
M4012	98mm +2.5mm oversize (473cc) <i>Suzuki LTR450 - 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2 - 3858	C3157-EST	Bore and Replate
MX4012	98mm +2.5mm oversize (473cc) <i>Suzuki LTR450 - 12.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2 - 3858	C3157-EST	Bore and Replate 

### LTR 450 2006 - 09 FULL RACE PISTONS

M4015A	95.5mm Standard Bore (449cc) <i>Suzuki LTR450 - 13.75:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2 - 2 - 3759	C3208-EST	Deglaze
MX4015A	95.5mm Standard Bore (449cc) <i>Suzuki LTR450 - 13.75:1 Full Race</i>	W748-2000-15CP1C	748-050SWL	CPN2 - 2 - 3759	C3208-EST	Deglaze 

Project X Available April 2009



# SUZUKI Pistons



## SUZUKI

Quads

### 700CC KING QUAD

Stock Bore: 4.015 (102mm) Stock Stroke: 3.346 (85mm)

400cc, 4 stroke, single cylinder DOHC

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER
M4013	102mm standard bore <i>Suzuki KingQuad 700 - 11.5:1</i>	W905-2250-15CP1C	905-073SWL	RS1618XHH-4015-0	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M4014	106mm +4mm oversize <i>Suzuki KingQuad 700 - 11.5:1</i>	W905-2250-15CP1C	905-073SWL	RS1000-4170-5	C3128	Bore and Replate
M4022	106mm +4mm oversize <i>Suzuki KingQuad 700 - 12.5:1</i>	W905-2250-15CP1C	905-073SWL	RS1000-4170-5	C3128	Bore and Replate

## SUZUKI



Street Bikes

### GSXR 1000 2001 - 04

Stock Bore: 2.875 (73.4mm) Stock Stroke: 2.323 (59mm)

1000cc liquid cooled, 16 valve 4 stroke

PART #	DESCRIPTION	PIN PART #	LOCKS	RINGS	GASKET KIT	CYLINDER
<b>OVERSIZE PISTONS</b>						
M4000	75mm +2mm oversize (1043cc) <i>Suzuki GSXR 1000- 13.5:1</i>	630-1810-12-CP1C	630-050SWL	CPUG 2952	C8214	Bore and Replate
M4001	76mm +3mm oversize (1078cc) <i>Suzuki GSXR 1000- 13.5:1</i>	630-1810-12-CP1C	630-050SWL	CPUG 2952	C8602	Bore and Replate
MX4001C	76mm +3mm oversize (1078cc) <i>Suzuki GSXR 1000- 13.5:1</i>	W630-1650-13-CP1C	630-050SWL	CP7600C CPUG Second	C8602	Bore and Replate

Project X Available Now





# SUZUKI Pistons



Street Bikes

## SUZUKI

### GSXR 1000 2005 - 08

Stock Bore: 2.875 (73.4mm) Stock Stroke: 2.323 (59mm)

1000cc liquid cooled, 16 valve 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
<b>OVERSIZE PISTONS</b>						
M4018	75mm +1.6mm oversize (1043cc) <i>Suzuki GSXR 1000- 13.5:1</i>	591-1810-11CP3C	591-040SWL	CPUG 2952	C8214	Bore and Replate
M4019	76mm +2.6mm oversize (1078cc) <i>Suzuki GSXR 1000- 13.5:1</i>	591-1810-11CP3C	591-040SWL	CPUG 2992	C8602	Bore and Replate
MX4019C	76mm +2.6mm oversize (1078cc) <i>Suzuki GSXR 1000- 13.5:1</i>	591-1650-11CP3C	591-040SWL	CP7600C CPUG Second	C8602	Bore and Replate

Project X Available Now

## SUZUKI

Street Bikes

### GSXR 1300R HAYABUSA 1999 - 07

Stock Bore: 3.189 (81mm) Stock Stroke: 2.480 (63mm)

1300cc liquid cooled, 16 valve 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4008	81mm Standard Bore (1300cc) <i>Suzuki Hayabusa - 9.5:1 Turbo</i>	787-2250-16CP1C	787-050SWL	CPUG 3189 Rail 3189	C8656	Deglaze
M4034	81mm Standard Bore (1300cc) <i>Suzuki Hayabusa - 12.5:1</i>	787-2000-12-CP1C	787-050SWL	CPUG 3189	C8656	Deglaze
<b>OVERSIZE PISTONS</b>						
M4002	83mm +2mm oversize (1363cc) <i>Suzuki Hayabusa - 12.75:1</i>	787-2000-12-CP1C	787-050SWL	CPUG 3267	C8657	Bore and Replate
M4003	83mm +2mm oversize (1363cc) <i>Suzuki Hayabusa - 14:1 - with gas ports</i>	787-2000-12-CP1C	787-050SWL	CPUG 3267	C8657	Bore and Replate
M4004	84mm +3mm oversize (1396cc) <i>Suzuki Hayabusa - 13.25:1</i>	787-2000-12-CP1C	787-050SWL	CPN 3307	C8658	Bore and Replate
M4005	84mm +3mm oversize (1396cc) <i>Suzuki Hayabusa - 14:1 with gas ports</i>	787-2000-12-CP1C	787-050SWL	CPN 3307	C8658	Bore and Replate
M4006	85mm +4mm oversize (1429cc) <i>Suzuki Hayabusa - 13.5:1</i>	787-2000-12-CP1C	787-050SWL	CPN 3347	C8659	Bore and Replate
M4007	85mm +4mm oversize (1429cc) <i>Suzuki Hayabusa - 14:1 with gas ports</i>	787-2000-12-CP1C	787-050SWL	CPN 3347	C8659	Bore and Replate

### 2008 - 09 HAYABUSA

Stock Bore: 3.189 (81mm) Stock Stroke: 2.559 (65mm)

1340cc liquid cooled, 16 valve 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4030	81mm Standard Bore (1340cc) <i>Suzuki Hayabusa - 9.5:1 Turbo</i>	708-2250-15CP1C	708-050SWL	CPNG-2-3189 Rail 3189	Call	Deglaze
M4031	81mm Standard Bore (1340cc) <i>Suzuki Hayabusa - 13.5:1</i>	708-2000-12CP1C	708-050SWL	CPNG-2-3189	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M4032	84mm +3mm oversize (1440cc) <i>Suzuki Hayabusa - 13.25:1</i>	708-2000-12CP1C	708-050SWL	CPN 3307	Call	Bore and Replate
M4035	84mm +3mm oversize (1440cc) <i>Suzuki Hayabusa - 14.0:1 with gas ports</i>	708-2000-12CP1C	708-050SWL	CPN 3307	Call	Bore and Replate
M4034	85mm +4mm oversize (1475cc) <i>Suzuki Hayabusa - 13.25:1</i>	708-2000-12CP1C	708-050SWL	CPN 3347	Call	Bore and Replate
M4033	85mm +4mm oversize (1475cc) <i>Suzuki Hayabusa - 14.0:1 with gas ports</i>	708-2000-12CP1C	708-050SWL	CPN 3347	Call	Bore and Replate



## KAWASAKI® PISTON KITS

Kawasaki® pistons are available in standard and big bore kits. These kits are compatible with oversize valves, higher lift cams and incorporate an "X" style forging for additional strength, durability and weight reduction. Along with full radius dome designs, high performance ring sets and lightweight pins, these kits represent the highest quality and are engineered for maximum power.



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# KAWASAKI Pistons



Dirt Bikes

## KAWASAKI

### KX 250F 2005 - 09

Stock Bore: 3.031 (77mm) Stock Stroke: 2.110 (53.6mm)

250cc liquid cooled, single cylinder 4 stroke

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER	
M3023C	77mm Standard bore (250cc) <i>Kawasaki KX 250F - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054 (05-08) C3267HB (09)	Deglaze	
MX3023C	77mm Standard bore (250cc) <i>Kawasaki KX 250F - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054 (05-08) C3267HB (09)	Deglaze	
M3000C	77mm Standar bore (250cc) <i>Kawasaki KX 250F - 14.2:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054 (05-08) C3267HB (09)	Deglaze	
MX3000C	77mm Standard bore (250cc) <i>Kawasaki KX 250F - 14.2:1</i>	W630-1650-13CP1C	630-050SWL	CP7700C	C3054 (05-08) C3267HB (09)	Deglaze	
OVERSIZE PISTONS							
M3001C	79mm +2mm oversize (263cc) <i>Kawasaki KX 250F - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST (05-08) Call (2009)	Bore and Replate	
M3002C	79mm +2mm oversize (263cc) <i>Kawasaki KX 250F - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST (05-08) Call (2009)	Bore and Replate	
MX3002C	79mm +2mm oversize (263cc) <i>Kawasaki KX 250F - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7900C	C7221-EST (05-08) Call (2009)	Bore and Replate	
M3024C	80mm +3mm oversize (269cc) <i>Kawasaki KX 250F - 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8000C	C7221-EST (05-08) Call (2009)		
M3007C	81mm +4mm oversize (276cc) <i>Kawasaki KX 250F - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7221 EST	Requires sleeve or cylinder (A)	
MX3007C	81mm +4mm oversize (276cc) <i>Kawasaki KX 250F - 12.5:1</i>	W630-1650-13CP1C	630-050SWL	CP8100C	C7221 EST	Requires sleeve or cylinder (A)	

A - Nikasil Cylinder

Project X Available Now

## KAWASAKI

### KLX 400F 2003 - 05

Stock Bore: 3.543 (90mm) Stock Stroke: 2.464 (62.4mm)

400cc single cylinder 4 stroke DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER	
M4028	90mm standard bore (398cc) <i>Kawasaki KLX 400 - 12.5:1</i>	W787-1875-15CP1C	787-050SWL	CPN2-3543	Call	Deglaze	
OVERSIZE PISTONS							
M3003	94mm +4mm oversize (434cc) <i>Kawasaki KLX 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3701	C7806	Bore and Replate	
M3004	95mm +5mm oversize (450cc) <i>Kawasaki KLX 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3740	C7980	Requires sleeve or cylinder (A)	

Dirt Bikes



## KAWASAKI



Dirt Bikes

### KX 450F 2004 - 08 (BIKE)

Stock Bore: 3.780 (96mm) Stock Stroke: 2.445 (62.1mm)

450cc liquid cooled, single cylinder 4 stroke DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3009	96mm standard bore <i>Kawasaki KX 450F - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3136-EST	Deglaze
MX3009	96mm standard bore <i>Kawasaki KX 450F - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3136-EST	Deglaze
M3010	96mm standard bore <i>Kawasaki KX 450F - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3136-EST	Deglaze
MX3010	96mm standard bore <i>Kawasaki KX 450F - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3136-EST	Deglaze

#### OVERSIZE PISTONS

M3011	98mm +2mm oversize <i>Kawasaki KX 450F - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3858	C3146-EST	Bore and Replate
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### KX 450F 2009 (BIKE)

Stock Bore: 3.780 (96mm) Stock Stroke: 2.445 (62.1mm)

450cc liquid cooled, single cylinder 4 stroke DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3035	96mm standard bore <i>Kawasaki KX 450F - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3268HB	Deglaze
MX3035	96mm standard bore <i>Kawasaki KX 450F - 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3268HB	Deglaze
M3036	96mm standard bore <i>Kawasaki KX 450F - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3268HB	Deglaze
MX3036	96mm standard bore <i>Kawasaki KX 450F - 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3780	C3268HB	Deglaze

Project X Available April 2009

## KAWASAKI

Quad

### KFX 400F 2003 - 05

Stock Bore: 3.543 (90mm) Stock Stroke: 2.464 (62.4mm)

400cc single cylinder 4 stroke DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4028	90mm standard bore (398cc) <i>Kawasaki KFX 400 - 12.5:1</i>	W787-1875-15CP1C	787-050SWL	CPN2-3543	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M3003	94mm +4mm oversize (434cc) <i>Kawasaki KFX 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3701	C7979	Bore and Replate
M3004	95mm +5mm oversize (450cc) <i>Kawasaki KFX 400 - 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3740	C3138	Requires sleeve or cylinder (A)



# KAWASAKI Pistons

## KAWASAKI

Quads

### KFX 450 2007 - 09 (QUAD)

Stock Bore: 3.748 (96mm) Stock Stroke: 2.445 (62.1mm) 450cc single cylinder 4 stroke DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4027	96mm standard bore <i>Kawasaki KFX 450 - 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2 - 3780	C3201-EST	Deglaze
M4026	96mm standard bore <i>Kawasaki KFX 450 - 13.5:1</i>	W827-2000-15CP1C	827-063SWL	CPN2 - 3780	C3201-EST	Deglaze
<b>OVERSIZE PISTONS</b>						
M4029	98mm +2mm oversize (468cc) <i>Kawasaki KFX 450 - 13.0:1</i>	W827-2000-15CP1C	827-063SWL	CPN2 - 3858	C3202-EST	Bore and Replate

### KFX 450 2007 - 09 FULL RACE PISTONS

M4025	96mm standard bore <i>Kawasaki KFX 450 - 13.8:1</i>	W827-2000-15CP1C	827-063SWL	CPN2-2- 3780	C3201-EST	Deglaze
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### KFX 700/PRARIE 700 2003 - 06

Stock Bore: 3.228 (82mm) Stock Stroke: 2.598 (66mm) 700cc liquid cooled 4 stroke, V-Twin SOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3012	82mm standard bore (697cc) <i>Kawasaki KXF 700 - 11.0:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3228	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M3022	83mm +1mm oversize (714cc) <i>Kawasaki KXF 450 - 12.0:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3267	Call	Bore and Hone
M3013	85mm standard bore (749cc) <i>Kawasaki KXF 450 - 12.5:1</i>	W787-2000-15-CP1C	787-050SWL	CPN2 - 3347	Call	Bore and Hone

### TEYRX 750 2008 - 09

Stock Bore: 3.346 (85mm) Stock Stroke: 2.598 (66mm) 750cc liquid cooled 4 stroke, V-Twin 4 valve

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3027	85mm standard bore (750cc) <i>Kawasaki Teyrx - 11.0:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3346	Call	Deglaze
M3028	85mm standard bore (750cc) <i>Kawasaki Teyrx - 12.0:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3346	Call	Deglaze
M3029	85mm standard bore (750cc) <i>Kawasaki Teyrx - 12.5:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3346	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M3030	87mm +2mm oversize (785cc) <i>Kawasaki Teyrx - 11.0:1</i>	W787-2000-15-CP1C	787-050SWL	CPN 3425	Call	Bore and Replate

## KAWASAKI

Street Bikes

### ZX12R 2000 - 2005

Stock Bore: 3.268 (83mm) Stock Stroke: 2.181 (55.4mm)

1200cc 4 stroke, DOHC inline 4 cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M3014	83mm standard bore (1200cc) <i>Kawasaki ZX12R - 13.5:1</i>	W827-2000-12CP1C	827-063SWL	CPN-2-3268	C8642	Deglaze
<b>OVERSIZE PISTONS</b>						
M3015	85mm +2mm oversize (1257cc) <i>Kawasaki ZX12R - 12.5:1</i>	W827-2000-12CP1C	827-063SWL	CPN-2-3347	C8643	Bore and Replate

### 2008 - 09 NINJA ZX14

Stock Bore: 3.307 (84mm) Stock Stroke: 2.402 (61mm)

1352cc 4 stroke, DOHC inline 4 cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M4035	84mm standard bore (1352cc) <i>Kawasaki ZX14 - 9.5:1 Turbo</i>	787-2250-16CP1C	787-050SWL	CPN 3307 Rail 3307	Call	Deglaze
M4036	84mm standard bore (1352cc) <i>Kawasaki ZX14 - 13.5:1</i>	787-2000-12CP1C	787-050SWL	CPN 3307	Call	Deglaze
<b>OVERSIZE PISTONS</b>						
M4037	86mm +2mm oversize (1418cc) <i>Kawasaki ZX14 - 13.25:1</i>	787-2000-12CP1C	787-050SWL	CPN 3386	Call	Bore and Replate
M4038	87mm +3mm oversize (1450cc) <i>Kawasaki ZX14 - 14.0:1 with gas ports</i>	787-2000-12CP1C	787-050SWL	CPN 3425	Call	Bore and Replate

M3015



M4025





# KTM / CAN AM / POLARIS Pistons

## KTM® CAN AM® POLARIS® PISTON KITS

These pistons are available in standard and big bore kits. These kits are compatible with oversize valves, higher lift cams and incorporate an "X" style forging for additional strength, durability and weight reduction. Along with full radius dome designs, high performance ring sets and lightweight pins, these kits represent the highest quality and are engineered for maximum power.



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### WINNING PHILOSOPHY

From the very beginning, CP's goal was to create an environment to build high performance pistons. This environment utilizes the latest technology along with proprietary tooling, dedicated cutters, unique fixtures and state of the art equipment.



# KTM / CANAM / POLARIS Pistons



Dirt Bikes

## KTM

### 250SX-F 2006 - 09

Stock Bore: 2.992 (76mm) Stock Stroke: 2.165 (55mm)

250cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9003C	76mm standard bore (250cc) <i>KTM 250 SX-F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7600C	C3164 EST	Deglaze
MX9003C	76mm standard bore (250cc) <i>KTM 250 SX-F 13.5:1</i>	W630-1650-13CP1C	630-050SWL	CP7600C	C3164 EST	Deglaze

Project X Available Now

### 2006 450 XC-G RACING

Stock Bore: 3.740 (95mm) Stock Stroke: 2.496 (63.4mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9004	95mm standard bore (450cc) <i>KTM 450XC-G 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
MX9004	95mm standard bore (450cc) <i>KTM 450XC-G 12.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
M9005	95mm standard bore (450cc) <i>KTM 450 XG-C 13.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
MX9005	95mm standard bore (450cc) <i>KTM 450 XG-C 13.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze

### 450 SX-F 2007 - 09

Stock Bore: 3.819 (97mm) Stock Stroke: 2.390 (60.8mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9006	97mm standard bore (450cc) <i>KTM 450SX-F 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	Call	Deglaze
MX9006	97mm standard bore (450cc) <i>KTM 450SX-F 13.0:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	Call	Deglaze
M9007	97mm standard bore (450cc) <i>KTM 450 SX-F 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	Call	Deglaze
MX9007	97mm standard bore (450cc) <i>KTM 450 SX-F 13.5:1</i>	W748-2000-15CP1C	748-050SWL	CPN2-2-3819	Call	Deglaze

Project X Available April 2009

### 450 EXC, MXC, XC-W 2003 - 07

Stock Bore: 3.504 (89mm) Stock Stroke: 2.835 (72mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9008	89mm standard bore (450cc) <i>KTM 450XC 12.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
M9009	89mm standard bore (450cc) <i>KTM 450XC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze

### 450 EXC, MXC, XC-W 2003 - 07 FULL RACE PISTONS

M9010	89mm standard bore (450cc) <i>KTM 450XC 13.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
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# KTM / CAN AM / POLARIS Pistons

## KTM



Dirt Bikes

### 520 EXC 2000 - 02 / 525 EXC 2003 - 07

Stock Bore: 3.740 (95mm) Stock Stroke: 2.835 (72mm)

525cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9011	95mm standard bore (525cc) <i>KTM 525EXC 12.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
M9012	95mm standard bore (525cc) <i>KTM 525EXC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
MX9012	95mm standard bore (525cc) <i>KTM 525EXC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze

Project X Available April 2009

## KTM

Quads

### 450 XC 2008 - 09

Stock Bore: 3.504 (89mm) Stock Stroke: 2.835 (72mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9008	89mm standard bore (450cc) <i>KTM 450XC 12.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
M9009	89mm standard bore (450cc) <i>KTM 450XC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze

### 450 XC 2008 - 09 FULL RACE PISTONS

M9010	89mm standard bore (450cc) <i>KTM 450XC 13.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
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## KTM



Quads

### 525 XC 2008 - 09

Stock Bore: 3.740 (95mm) Stock Stroke: 2.835 (72mm)

525cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9011	95mm standard bore (525cc) <i>KTM 525XC 12.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
M9012	95mm standard bore (525cc) <i>KTM 525XC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze
MX9012	95mm standard bore (525cc) <i>KTM 525XC 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3740	Call	Deglaze

Project X Available April 2009

# KTM / CANAM / POLARIS Pistons



Dirt Bikes

## CAN AM

### DS450/X 2008 - 09

Stock Bore: 3.740 (95mm) Stock Stroke: 2.394 (60.8mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9013	97mm standard bore (450cc) <i>Can Am DS450 12.5</i>	W787-2000-15CP1C	787-050SWL	CPN2-3819	Call	Deglaze
MX9013	97mm standard bore (450cc) <i>Can Am DS450 12.5</i>	W787-2000-15CP1C	787-050SWL	CPN2-3819	Call	Deglaze
M9014	97mm standard bore (450cc) <i>Can Am DS450 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3819	Call	Deglaze
MX9014	97mm standard bore (450cc) <i>Can Am DS450 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-3819	Call	Deglaze

### DS450/X 2008 - 09 FULL RACE PISTONS Project X Available April 2009

M9015	97mm standard bore (450cc) <i>Can Am DS450 13.6:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3819	Call	Deglaze
MX9015	97mm standard bore (450cc) <i>Can Am DS450 13.6:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3819	Call	Deglaze

## POLARIS

Quads

### OUTLAW 450 2008 - 09

Stock Bore: 3.504 (89mm) Stock Stroke: 2.835 (72mm)

450cc, 4 stroke, single cylinder DOHC

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9008	89mm standard bore (450cc) <i>Outlaw 450 12.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
M9009	89mm standard bore (450cc) <i>Outlaw 450 13.0:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze

### OUTLAW 450 FULL RACE PISTONS

M9010	89mm standard bore (450cc) <i>Outlaw 450 13.5:1</i>	W787-2000-15CP1C	787-050SWL	CPN2-2-3504	Call	Deglaze
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### RZR 2008 - 09

Stock Bore: 3.149 (80mm) Stock Stroke: 2.976 (75.6mm)

800cc, 4 stroke, liquid cooled twin cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9016	80mm standard bore (760cc) <i>Polaris RZR 11.0:1</i>	W708-1850-15CP1C	708-050SWL	CPNG-3150	C3250	Deglaze
M9017	80mm standard bore (760cc) <i>Polaris RZR 12.0:1</i>	W708-1850-15CP1C	708-050SWL	CPNG-3150	C3250	Deglaze
M9018	80mm standard bore (760cc) <i>Polaris RZR 12.5:1</i>	W708-1850-15CP1C	708-050SWL	CPNG-3150	C3250	Deglaze

#### OVERSIZE PISTONS

M9019	82mm standard bore (798cc) <i>Polaris RZR 11.5:1</i>	W708-1850-15CP1C	708-050SWL	CPNG-3228	Call	Bore and Replate
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### RANGER 2008 - 09

Stock Bore: 3.149 (80mm) Stock Stroke: 2.976 (75.6mm)

800cc, 4 stroke, liquid cooled twin cylinder

PART#	DESCRIPTION	PIN PART#	LOCKS	RINGS	GASKET KIT	CYLINDER
M9020	80mm standard bore (760cc) <i>Polaris RZR 11.0:1</i>	787-2250-15CP1C	787-050SWL	CPNG-3150	Call	Deglaze
M9021	80mm standard bore (760cc) <i>Polaris RZR 12.0:1</i>	787-2250-15CP1C	787-050SWL	CPNG-3150	Call	Deglaze



# CUSTOM Pistons

## CUSTOM PISTONS

Everyone wants the optimum performance and durability from their engine. Custom pistons assure that you get all the unique performance advantages from your engine while being engineered to last. Despite carrying one of the most comprehensive inventories of off-the-shelf pistons in the industry, CP Pistons' foundation has been designing and manufacturing some of today's most sophisticated custom racing pistons. We maintain a custom piston department that can take specialized piston requirements from initial design and engineering complete through the manufacturing and finishing process. Using cutting edge technology and precise machining, we endeavor to provide our customers with the best forged pistons in the racing industry.

Our sales staff is versatile and knowledgeable, coming from all areas of motorsports to provide you with the best possible service. They apply this experience to your benefit when you place your

order. By asking the right questions and understanding your needs, we make sure that the pistons you receive are customized to your combination and application. Our engineering and design staff utilize the best design software. Choosing from CP's extensive line of versatile forgings to optimize both weight and strength, we design a piston to suit your unique requirements.

Contact us today and we will design, develop and manufacture a set of custom pistons that will allow you to increase horsepower and performance for your specific application. With CP Pistons, you can be assured of receiving the best possible service and state of the art products with every order.

## CUSTOM PISTONS OPTIONS



**LATERAL GAS PORTS** are channels drilled at the bottom of the top ring land that assist in ring seal. These channels allow combustion gasses to enter behind the top ring and improve ring seal by forcing the ring against the cylinder wall during combustion.

**SKIRT COATING** offers additional lubricant in times of extreme heat or heavy wear situations. Coating can help by limiting the amount of friction on the skirt by providing a buffer between the piston and the cylinder.



**MIL MAXIMUM INTERNAL LIGHTENING** is CP Pistons' proprietary technology that creates a very lightweight piston, cutting away the excess material along the inside of a piston to match the contour of the external features. Our engineers use their knowledge of piston design, our in-house computer modeling software which

can utilize FEA, and the performance needs of each individual customer to decide precisely how much inner material can be removed without decreasing reliability. Each internal profile design is perfected then machined on four and five axis CNC mills.



BEFORE MIL™



AFTER MIL™

# CUSTOM Pistons



## CUSTOMER INFO

Customer Name		Customer ID#	New:
Suite or C/O		Phone	Fax
Address		E-mail	
City		Contact	
State	Zip Code	PO#	
Credit Card#	Exp Date	Name	CC Zip

## ORDER INFO

Custom Piston Info				Shelf Part#	Qty	Price	Total
Date Required		Ship Method		RTS    LTS    All Same			
Ref. Job#		Ref Part#		Pins Part#			
Custom Piston	Qty	RTS	LTS	All Same			
Motor Type		Displacement		Locks Part#			
Carb	Fuel Inj	Blown/Turbo	NOS	Spacer Rails Part#			
Usage	Approx HP	RPM		Pinfit    Y    N			
Bore (Cl/Alum)	Stroke	Rod Width	Rod S/A	Ring Set Part#			
Pin Diameter		Pin Length		Ring Cyl Set			
Head Type		Head CC		Int Milling			
Flat/Angle Mill	How Much	Comp Ratio		Plunge V/R			
Block Height		Comp Dist		Gas Ports			
Gasket Thickness	CC Vol	Deck Clear		Pin Buttons Part#			
Int Valve		Exh Valve		Misc			
Lift/Lift at Overlap	Int	Exh		Notes:			Subtotal
Lobe Separation		Installed @					Tax
Free Drop	Int	Exh	Dur @ .050				Shipping Total
Top Ring	2nd Ring	Oil Ring					Total

**RETURN POLICY:** Custom pistons are returnable only for defects in workmanship or materials. Under no circumstances will parts be returnable after 90 days. Please check packaging for complete details regarding return policy.

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# COMETIC Gaskets



**COMETIC**  
GASKET  
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EST (Extreme Sealing Technology) kits are available for four-stroke applications complete with all the components required for a total top end rebuild or total engine rebuild depending on the application.

All EST kits come with Cometic MLS (Multi-layered Steel) head gaskets. The Cometic MLS gasket is comprised of three layers of stainless steel for increased strength, its ability to rebound and for corrosion resistance. The outer layers of the gasket are embossed and coated on both sides with a fluoroelastomer rubber based material (Viton) designed to meet the demands of a variety of harsh sealing environments, load conditions and surface finishes. The Viton coating is heat resistant to 250° C or 482° F.

The center or shim layer of the gasket is comprised of an uncoated stainless steel layer, which can be varied to accommodate multiple thickness requirements. The MLS gasket is ideal for both aluminum heads to cast iron blocks and aluminum heads to aluminum blocks.

The composition of MLS will also withstand the shearing forces created by aluminum heads on cast iron blocks. No re-torque is necessary. By design the MLS gasket promotes an even torque load across the sealing surface allowing for measurable reduced bore distortion.

The kit required for each application is located next to the piston kit part number. If your application is not listed, then it can be special ordered. For more information, please contact CP Pistons at 949-567-9000 or Cometic Gasket at 1-800-752-9850, also available on the web at [www.cometic.com](http://www.cometic.com).



CP PISTONS STICKERS



CP PISTONS BANNERS



SHORT/LONG SLEEVE HD T-SHIRT (S-3XL)



SHORT SLEEVE HD T-SHIRT (S-3XL)



SHORT SLEEVE CP LOGO T-SHIRT BLACK OR WHITE (S-3XL)



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FLEX-FIT HAT



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\$ 5.00

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