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Kawasaki KZ 900 / KZ 1000

YEARS	1973-1980
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8MM
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	17MM (CAN BE HONED TO 18MM)
VALVE SIZE	39MM IN, 33MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1075CC KZ 1000: 2mm oversize	72MM 2.834 In	KZ 900: Resleeving and bore crankcase KZ 1000: Cylinder boring	ROAD DRAG TURBO	10.5:1 12.5:1 9.0:1	MTC-K1075 MTC-K1075H MTC-K1075T
1135CC KZ 1000: 4mm oversize	74MM 2.913 In	Resleeving and bore crankcase	ROAD DRAG TURBO	10.5:1 12.5:1 7.8:1	MTC-K1135 MTC-K1135H MTC-K1135T
1197CC KZ 1000: 6 mm oversize	76MM 2.992 In	Resleeving and bore crankcase	ROAD DRAG TURBO	10.5:1 12.5:1 7.8:1	MTC-K1197 MTC-K1197H MTC-K1197T
1261CC KZ 1000: 8mm oversize	78MM 3.070 In	Resleeving and bore crankcase	ROAD DRAG TURBO	10.5:1 12.5:1 7.8:1	MTC-K1261 MTC-K1261H MTC-K1261T
1327CC KZ 1000: 10mm oversize	80MM 3.149 In	Big block required bore crankcase	ROAD DRAG TURBO	10.5:1 13.5:1 7.8:1	MTC-K1327 MTC-K1327H MTC-K1327T
1428CC KZ 1000: 13mm oversize	83MM 3.267 In	Big block required bore crankcase	ROAD DRAG TURBO	10.5:1 13.5:1 7.8:1	MTC-K1428 MTC-K1428H MTC-K1428T
1500CC KZ 1000: 15mm oversize	85MM 3.346 In	Big block required bore crankcase	DRAG TURBO	13.5:1 7.8:1	MTC-K1500H MTC-K1500T

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2009 AMA/Dragbike 3X Multi-Class Champion

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Kawasaki GPZ 1100

YEARS	1983-1984
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8MM
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	17MM (CAN BE HONED TO 18MM)
VALVE SIZE	39MM IN, 33MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1135CC	74MM	Cylinder boring only	ROAD	10.5:1	MTC-G1135-3
1.5mm oversize	2.913 In		DRAG	12.5:1	MTC-G1135H-3
1197CC	76MM	Resleeving and bore crankcase	ROAD	10.5:1	MTC-G1197-3
3.5mm oversize	2.992 In		DRAG	12.5:1	MTC-G1197H-3
			TURBO	7.8:1	MTC-G1197T-3
1261CC	78MM	Resleeving and bore crankcase	ROAD	10.5:1	MTC-G1261-3
5.5mm oversize	3.070 In		DRAG	12.5:1	MTC-G1261H-3
			TURBO	7.8:1	MTC-G1261T-3
1327CC	80MM	Big block required bore crankcase	ROAD	10.5:1	MTC-G1327-3
7.5mm oversize	3.149 In		DRAG	13.5:1	MTC-G1327H-3
			TURBO	7.8:1	MTC-G1327T-3
1394CC	82MM	Big block required bore crankcase	ROAD	10.5:1	MTC-G1394-3
9.5 mm oversize	3.229 In		DRAG	13.5:1	MTC-G1394H-3
1428CC	83MM	Big block required bore crankcase	ROAD	10.5:1	MTC-G1428-3
10.5 mm oversize	3.267 In		DRAG	13.5:1	MTC-G1428H-3
			TURBO	7.8:1	MTC-G1428T-3

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Kawasaki J Model

YEARS	GPZ1100 1981-1982 KZ1000J 1981-1997
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	17MM (CAN BE HONED TO 18MM)
VALVE SIZE	39MM IN, 33MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1075CC	72MM	Cylinder boring	ROAD	10.5:1	MTC-J1075
2mm oversize	2.834 In		DRAG	12.5:1	MTC-J1075H
			TURBO	7.8:1	MTC-J1075T
1135CC	74MM	J-Model: Resleeve	ROAD	10.5:1	MTC-J1135
J-Model: 4mm oversize	2.913 In	GPZ: Cylinder bore	DRAG	12.5:1	MTC-J1135H
GPZ: 1.5mm oversize			TURBO	7.8:1	MTC-J1135T
1197CC	76MM	Resleeve bore crankcase	ROAD	10.5:1	MTC-J1197
J-Model: 6mm oversize	2.992 In		DRAG	12.5:1	MTC-J1197H
GPZ: 3.5mm oversize			TURBO	7.8:1	MTC-J1197T
1261CC	78MM	Resleeve bore crankcase	ROAD	10.5:1	MTC-J1261
J-Model: 8mm oversize	3.070 In		DRAG	12.5:1	MTC-J1261H
GPZ: 5.5mm oversize			TURBO	7.8:1	MTC-J1261T
1327CC	80MM	Big block required bore crankcase	ROAD	10.5:1	MTC-J1327
J-Model: 10mm oversize	3.149 In		DRAG	13.5:1	MTC-J1327H
GPZ: 7.5mm oversize			TURBO	7.8:1	MTC-J1327T
1394CC	82MM	Big block required bore crankcase	ROAD	10.5:1	MTC-J1394
J-Model: 12mm oversize	3.229 In		DRAG	13.5:1	MTC-J1394H
1428CC	83MM	Big block required bore crankcase	ROAD	10.5:1	MTC-J1428
J-Model: 13mm oversize	3.267 In		DRAG	13.5:1	MTC-J1428H
GPZ: 10.5mm oversize			TURBO	7.8:1	MTC-J1428T
1500CC	85MM	Big block required bore crankcase	TURBO	7.8:1	MTC-J1500T
J-Model: 15mm oversize	3.346 In				
GPZ: 12.5mm oversize					

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Funnybike Racer

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Kawasaki ZX-9

YEARS	1998-1999
STROKE	50.87MM
RING GROOVES	1.0, 1.0, 2.0
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND BUTTONS
WRIST PIN SIZE	18MM
VALVE SIZE	30.5MM IN, 26.5MM EX (POCKET 1 MM LARGER)

Kawasaki ZX-11

YEARS	1990-1999
STROKE	58MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND BUTTONS
WRIST PIN SIZE	18MM
VALVE SIZE	32MM IN, 27MM EX (POCKET 1 MM LARGER)

Kawasaki ZX-14

YEARS	2006-2009
STROKE	61MM
RING GROOVES	FLAT TOP: 1.0, 1.0, 2.0; TALL
DECK:	1.0, 1.2, 2.8;
STROKER:	1.0, 3.6 (2.8+SPACER)
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND CLIPS
WRIST PIN SIZE	20MM
MAX VALVE SIZE	"FLAT TOP/TALL DECK: 34MM IN, 29MM EX
STROKER:	35.5MM IN, 30.75MM EX (POCKET 1MM LARGER)"

Kawasaki ZX-10

YEARS	2004-2005
STROKE	55MM
RING GROOVES	0.8, 0.8, 1.5 (76MM) 1.0, 1.0, 2.0 (79MM)
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND CLIPS
WRIST PIN SIZE	17MM
VALVE SIZE	31.5MM IN, 26.5MM EX (POCKET 1 MM LARGER)

Kawasaki ZX-12

YEARS	2000-2005
STROKE	55.40MM
RING GROOVES	1.0, 1.0, 2.0 (83MM) 1.0, 1.2, 2.8 (85-86MM)
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND CLIPS
WRIST PIN SIZE	21MM
VALVE SIZE	35.5MM IN, 30.75MM EX (POCKET 1 MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
Kawasaki ZX-9					
998CC	79MM	Bore block & replate	STREET	11.5:1	MTC-ZX09-0998
4mm oversize	3.110 In				
Kawasaki ZX-10					
998CC	76MM	Drop in (NO RINGS - use OEM rings)	TURBO	9.8:1	MTC-ZX10-998T
	2.992 In				
1137CC	79MM	Bore block & replate	STREET	12.5:1	MTC-ZX10-1137FT
3mm oversize	3.110 In		DRAG	14.5:1	MTC-ZX10-1137H
Kawasaki ZX-11					
1109CC	78MM	Bore block & replate	ROAD	12.5:1	MTC-ZX1109H
2mm oversize	3.070 In	+Requires .060 spacer plate, Turbo/Nitrous	TALL DECK	9.8:1	MTC-ZX1109-TD
1195CC	81MM	Resleeve - After-market block required	ROAD	12.5:1	MTC-ZX1195H-TD
5mm oversize	3.189 In	+Requires .060 spacer plate, Turbo/Nitrous	TURBO	9.8:1	MTC-ZX1195T-TD
Kawasaki ZX-12					
1199CC	83MM	Drop in	FLAT TOP	12.5:1	MTC-ZX1199
	3.267 In	Drop in	TURBO	11:1	MTC-ZX1199T
		Requires .060 spacer, Turbo/Nitrous	TALL DECK	11:1	MTC-Z1199T-TD
1256CC	85MM	Bore block & replate	DRAG	14.7:1	MTC-ZX1256H
	3.346In				
1256CC PRO LITE	85MM	Bore block & replate	DRAG	14.7:1	MTC-4VPL-85ZX
	3.346In				
1287CC PRO LITE	86MM	Bore block & replate	DRAG	14.7:1	MTC-4VPL-862X
	3.386 In				
Kawasaki ZX-14					
1352CC	84MM	Std Bore"3.307 In" Drop in	FLAT TOP	12.25:1	MTC-ZX14-1352H-FT
	3.307 In	Drop In + Requires 2mm Shorter Rod	TALL DECK	11:1	MTC-ZX14-1352-TD
		Drop In + Requires 4mm Stroker Crank	STROKER	12.25:1	MTC-ZX14-1352S

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Suzuki GS 1150

YEARS	ALL YEARS
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	20MM
VALVE SIZE	31MM IN, 26MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1134CC	74MM	Drop in	ROAD	10.5:1	MTC-1134-20
Std. Bore	2.913 In		DRAG	12.5:1	MTC-1134H-20
			TURBO	7.8:1	MTC-1134T-20
1166CC	75MM	Cylinder boring	ROAD	10.5:1	MTC-1166-20
1mm oversize	2.952 In		DRAG	12.5:1	MTC-1166H-20
			TURBO	7.8:1	MTC-1166T-20
1198CC	76MM	Cylinder boring	ROAD	10.5:1	MTC-1198-20
2mm oversize	2.992 In		DRAG	12.5:1	MTC-1198H-20
			TURBO	7.8:1	MTC-1198T-20
1230CC	77MM	Cylinder boring	ROAD	10.5:1	MTC-1230-20
3mm oversize	3.031 In		DRAG	12.5:1	MTC-1230H-20
			TURBO	7.8:1	MTC-1230T-20
1261CC	78MM	Resleeve	ROAD	10.5:1	MTC-1261-20
4mm oversize	3.070 In	Bore crankcase	DRAG	13.5:1	MTC-1261H-20
			TURBO	7.8:1	MTC-1261T-20
1327CC	80MM	Big block required	ROAD	10.5:1	MTC-1327-20
6mm oversize	3.149 In	Bore crankcase	DRAG	13.5:1	MTC-1327H-20
			TURBO	7.8:1	MTC-1327T-20
1395CC	82MM	Big block required	ROAD	10.5:1	MTC-1395-20
8mm oversize	3.228 In	Bore crankcase	DRAG	13.5:1	MTC-1395H-20
			TURBO	7.8:1	MTC-1395T-20
1428CC	83MM	Big block required	ROAD	10.5:1	MTC-1428-20
9mm oversize	3.267 In	Bore crankcase	DRAG	13.5:1	MTC-1428H-20
			TURBO	7.8:1	MTC-1428T-20
1464CC	84MM	Big block required	ROAD	10.5:1	MTC-1464-20
10mm oversize	3.307 In	Bore crankcase	DRAG	13.5:1	MTC-1464H-20
			TURBO	7.8:1	MTC-1464T-20
1500CC	85MM	Big block required	DRAG	13.5:1	MTC-1500H-20
11mm oversize	3.346 In	Bore crankcase	FLAT TOP	11:1	MTC-1500T-20
1500CC PRO LITE	85MM	Big block required	DRAG	15:1	MTC-4VPL-85-20
11mm oversize	3.346 in.	Bore crankcase	FLAT TOP	11:1	MTC-4VPL-85FT-20
1570CC PRO LITE	87MM	Big block required	DRAG	15:1	MTC-4VPL-87-20
13mm oversize	3.425 in.	Bore crankcase & add valve pockets	FLAT TOP	11:1	MTC-4VPL-87FT-20
1640CC PRO LITE	89MM	Big block required	DRAG	15:1	MTC-4VPL-89-20
15mm oversize	3.504 in.	Bore crankcase & add valve pockets	FLAT TOP	11:1	MTC-4VPL-89FT-20

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Suzuki GS 1100

YEARS	ALL YEARS
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	18MM
VALVE SIZE	31MM IN, 26MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1104CC	73MM	Cylinder boring	ROAD	10.5:1	MTC-S1104
1mm oversize	2.874 in.		DRAG	12.5:1	MTC-S1104H
			TURBO	7.8:1	MTC-S1104T
1134CC	74MM	Cylinder boring	ROAD	10.5:1	MTC-S1134
2mm oversize	2.913 in.		DRAG	12.5:1	MTC-S1134H
			TURBO	7.8:1	MTC-S1134T
1166CC	75MM	Cylinder boring	ROAD	10.5:1	MTC-S1166
3mm oversize	2.952 in.		DRAG	12.5:1	MTC-S1166H
			TURBO	7.8:1	MTC-S1166T
1198CC	76MM	Resleeve and	ROAD	10.5:1	MTC-S1198
4mm oversize	2.992 in.	Bore crankcase	DRAG	12.5:1	MTC-S1198H
			TURBO	7.8:1	MTC-S1198T
1230CC	77MM	Resleeve and	ROAD	10.5:1	MTC-S1230
5mm oversize	3.031 in.	Bore crankcase	DRAG	12.5:1	MTC-S1230H
			TURBO	7.8:1	MTC-S1230T
1261CC	78MM	Resleeve and	ROAD	10.5:1	MTC-S1261
6mm oversize	3.070 in.	Bore crankcase	DRAG	13.5:1	MTC-S1261H
			TURBO	7.8:1	MTC-S1261T
1327CC	80MM	Big block required	ROAD	10.5:1	MTC-S1327
8mm oversize	3.149 in.	Bore crankcase	DRAG	13.5:1	MTC-S1327H
			TURBO	7.8:1	MTC-S1327T
1395CC	82MM	Big block required	ROAD	10.5:1	MTC-S1395
10mm oversize	3.228 in.	Bore crankcase	DRAG	13.5:1	MTC-S1395H
			TURBO	7.8:1	MTC-S1395T
1428CC	83MM	Big block required	ROAD	10.5:1	MTC-S1428
11mm oversize	3.267 in.	Bore crankcase	DRAG	13.5:1	MTC-S1428H
			TURBO	7.8:1	MTC-S1428T
1464CC	84MM	Big block required	ROAD	10.5:1	MTC-S1464
12mm oversize	3.307 in.	Bore crankcase	DRAG	13.5:1	MTC-S1464H
			TURBO	7.8:1	MTC-S1464T
1500CC	85MM	Big Block Required	DRAG	13.5:1	MTC-S1500H
13mm oversize	3.346 in.	Bore crankcase	FLAT TOP	11:1	MTC-S1500T
1500CC PRO LITE	85MM	Big block required	DRAG	15:1	MTC-4VPL-85
13mm oversize	3.346 in.	Bore crankcase	FLAT TOP	11:1	MTC-4VPL-85FT
1570CC PRO LITE	87MM	Big block required	DRAG	15:1	MTC-4VPL-87
15mm oversize	3.425 in.	Bore crankcase & add valve pockets	FLAT TOP	11:1	MTC-4VPL-87FT
1605CC PRO LITE	88MM	Big block required	DRAG	15:1	MTC-4VPL-88
16mm oversize	3.465 in.	Bore crankcase & add valve pockets	FLAT TOP	11:1	MTC-4VPL-88FT
1640CC PRO LITE	89MM	Big Block Required	DRAG	15:1	MTC-4VPL-89
17mm oversize	3.504 in.	Bore crankcase & add valve pockets	FLAT TOP	11:1	MTC-4VPL-89FT

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Suzuki GSXR 750 Watercooled High Compression

YEARS	1996-1999
STROKE	46MM
RING GROOVES	STOCK OEM
KIT CONTAINS	4 PISTONS, PINS, AND BUTTONS
WRIST PIN SIZE	16MM
VALVE SIZE	28.5MM IN, 26MM EX (POCKET 1MM LARGER)

Suzuki GSXR 1000 Watercooled

YEARS	2001-2004
STROKE	59MM
RING GROOVES	1.0, 1.0, 2.0
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND CLIPS
WRIST PIN SIZE	16MM
VALVE SIZE	30.5MM IN, 25MM EX (POCKET 1MM LARGER)

Suzuki GSXR 1100 Watercooled

YEARS	1993-1998
STROKE	60MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	20MM

Suzuki GSXR 750 Watercooled High Compression

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
748CC Std Bore	72MM 2.835 In	Drop in	DRAG	14:1	MTC-S748HW

Suzuki GSXR 1000 Watercooled

1043CC 2mm oversize	75MM 2.952 In	Bore block & replate	DRAG	14.5:1	MTC-R1043H
1070CC 3mm oversize	76MM 2.992 In	Bore block & replate	DRAG	14.5:1	MTC-R1070H

Suzuki GSXR 1100 Watercooled

1117CC 1mm oversize	77MM 3.032 In	Cylinder boring	ROAD TURBO	11:1 9.8:1	MTC-R1117W MTC-R1117TW
1191CC 3.5mm oversize	79.5MM 3.129 In	Resleeving & bore crankcase	DRAG	12:1	MTC-R1191HW

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Suzuki GSXR 1100
58mm Stroke

YEARS	1986-88
STROKE	58MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	20MM
VALVE SIZE	29.5 IN 26MM EX (POCKET 1 MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1107CC	78MM	Cylinder boring	ROAD	12.0:1	MTC-R1107
2mm oversize	3.070 in.		DRAG	13.5:1	MTC-R1107H
			TURBO	10.0:1	MTC-R1107T
1165CC	80MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1165
4mm oversize	3.149 in.		DRAG	13.5:1	MTC-R1165H
			TURBO	10.0:1	MTC-R1165T
1195CC	81MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1195
5mm oversize	3.189 in.		DRAG	13.5:1	MTC-R1195H
			TURBO	10.0:1	MTC-R1195T
1224CC	82MM	Big block required bore crankcase	ROAD	12.0:1	MTC-R1224
6mm oversize	3.228 in.		DRAG	13.5:1	MTC-R1224H
			TURBO	10.0:1	MTC-R1224T
1254CC	83MM	Big block required bore crankcase	ROAD	12.0:1	MTC-R1254
7mm oversize	3.267 in.		DRAG	13.5:1	MTC-R1254H
			TURBO	10.0:1	MTC-R1254T
1285CC	84MM	Big block required bore crankcase	ROAD	12.0:1	MTC-R1285
8mm oversize	3.307 in.		DRAG	13.5:1	MTC-R1285H
			TURBO	10.0:1	MTC-R1285T
1315CC	85MM	Big block required bore crankcase	ROAD	12.0:1	MTC-R1315
9mm oversize	3.346 in.		DRAG	13.5:1	MTC-R1315H
			TURBO	10.0:1	MTC-R1315T

Rikard Gustafsson
Swedish Funnybike Racer

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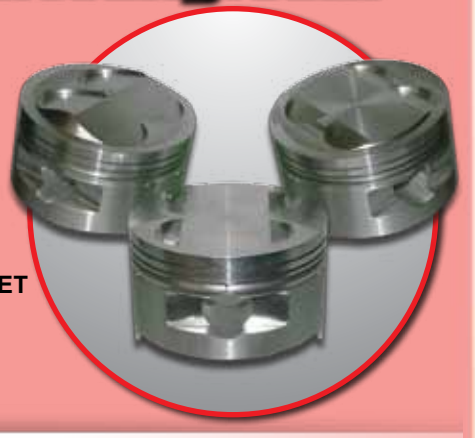
Suzuki GSXR 1100
59 mm Stroke



YEARS	1989-92, KATANA 1988-93
STROKE	59MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS,BUTTONS, AND HEAD GASKET
WRIST PIN SIZE	20MM
VALVE SIZE	29.5MM IN 26MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1127CC	78MM	Drop in	ROAD	12.0:1	MTC-R1127
Std. Bore	3.070 In		DRAG	13.5:1	MTC-R1127H
			TURBO	10.0:1	MTC-R1127T
1185CC	80MM	Cylinder boring	ROAD	12.0:1	MTC-R1185
2mm oversize	3.149 In		DRAG	13.5:1	MTC-R1185T
			TURBO	10.0:1	MTC-R1185H
1216CC	81MM	Cylinder boring	ROAD	12.0:1	MTC-R1216
3mm oversize	3.189 In		DRAG	13.5:1	MTC-R1216T
			TURBO	10.0:1	MTC-R1216H
1246CC	82MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1246
4mm oversize	3.228 In		DRAG	13.5:1	MTC-R1246H
			TURBO	10.0:1	MTC-R1246T
1276CC	83MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1276
5mm oversize	3.267 In		DRAG	13.5:1	MTC-R1276H
			TURBO	10.0:1	MTC-R1276T
1307CC	84MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1307
6mm oversize	3.307 In		DRAG	13.5:1	MTC-R1307H
			TURBO	10.0:1	MTC-R1307T
1338CC	85MM	Resleeving bore crankcase	ROAD	12.0:1	MTC-R1338
7mm oversize	3.346 In		DRAG	13.5:1	MTC-R1338H
			TURBO	10.0:1	MTC-R1338T

Leslie Porterfield
Land Speed Record Holder

Suzuki Piston Kits

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MTC ENGINEERING LLC

Suzuki GSX1300R HAYABUSA

YEARS	1999-2007
STROKE	63MM
RING GROOVES	1.0, 1.0, 2.0 (81-83MM) 1.0, 1.2, 2.8 (84-86MM)
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND BUTTONS OR CLIPS
WRIST PIN SIZE	20MM
VALVE SIZE	34.5MM IN, 29.5MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1300CC	81MM	Drop In	STREET	13:1	MTC-RH1300HFT
Std. Bore	3.188 in.		TURBO	10.5:1	MTC-RH1300T
		+Requires .060 spacer, Turbo/Nitrous	TALL DECK	13:1	MTC-RH1300-TD
1363CC	83MM	Bore block & replate	STREET	13:1	MTC-RH1363
2mm oversize	3.267 in.		DRAG	14.7:1	MTC-RH1363H
			TURBO	10.5:1	MTC-RH1363T
		+Requires .060 spacer, Turbo/Nitrous	TALL DECK	13:1	MTC-RH1363-TD
1363CC PRO LITE	83MM	Bore block & replate	STREET	13:1	MTC-4VPL-83HFT
2mm oversize	3.267 in.		DRAG	14.7:1	MTC-4VPL-83H
1394CC	84MM	Bore block & replate	STREET	13:1	MTC-RH1394
3mm oversize	3.307 in.		DRAG	14.7:1	MTC-RH1394H
1394CC PRO LITE	84MM	Bore block & replate	STREET	13:1	MTC-4VPL-84HFT
3mm oversize	3.307 in.		DRAG	14.7:1	MTC-4VPL-84H
1429CC	85MM	Bore block & replate	STREET	13:1	MTC-RH1429
4mm oversize	3.346 in.		DRAG	14.7:1	MTC-RH1429H
1429CC PRO LITE	85MM	Bore block & replate	STREET	13:1	MTC-4VPL-85HFT
4mm oversize	3.346 in.		DRAG	14.7:1	MTC-4VPL-85H
1463CC PRO LITE	86MM	Bore block & replate	STREET	13:1	MTC-4VPL-86HFT
5mm oversize	3.386 in.		DRAG	14.7:1	MTC-4VPL-86H

YEARS	2008-Present
STROKE	65MM
RING GROOVES	1.0, 1.0, 2.0 (81-83MM) 1.0, 1.2, 2.8 (84-86MM)
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND CLIPS
WRIST PIN SIZE	18MM
VALVE SIZE	34.5MM IN, 29.5MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1340CC	81MM	Drop In	STREET	13:1	MTC-RH08-1340
Std. Bore	3.188 in.		TURBO	10.5:1	MTC-RH08-1340T
		+Requires OEM Base Gasket plus .060 Spacer Plate	TALL DECK	13:1	MTC-RH08-1340-TD
1407CC	83MM	Bore block & replate	STREET	13:1	MTC-RH08-1407
2mm oversize	3.267 In		DRAG	14.7:1	MTC-RH08-1407H
			TURBO	10.5:1	MTC-RH08-1407T
		+Requires OEM Base Gasket plus .060 Spacer Plate	TALL DECK	13:1	MTC-RH08-1407-TD
1441CC	84MM	Bore block & replate	STREET	13:1	MTC-RH08-1441
3mm oversize	3.307 In		DRAG	14.7:1	MTC-RH08-1441H

Yamaha Piston Kits

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Yamaha V MAX

YEARS	ALL YEARS
STROKE	66MM
RING GROOVES	1.0, 1.2, 2.8
KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND BUTTONS
WRIST PIN SIZE	19MM
VALVE SIZE	30MM IN, 26.5MM EX (POCKET 1MM LARGER)

Displacement	Bore Size	Installation Requirements	Usage	Comp Ratio	Part Number
1260CC 2mm oversize	78MM 3.070 in.	Cylinder boring only	DRAG	14:1	MTC-YV1260
1327CC 4mm oversize	80MM 3.149 in.	Resleeve	DRAG	14:1	MTC-YV1327

Bill Warner
Land Speed Record Holder

Racing Piston Kits

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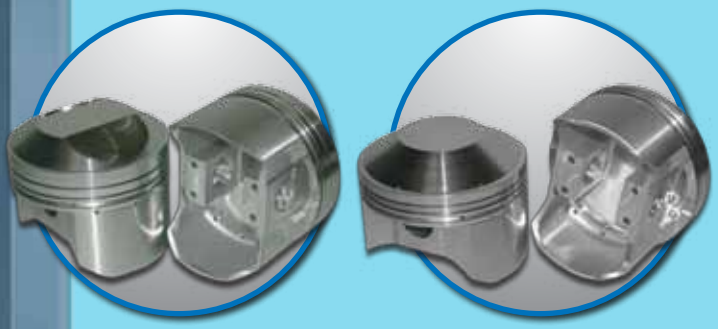

Racing Piston Kits

KIT CONTAINS	4 PISTONS, RINGS, WRIST PINS, AND BUTTONS OR CLIPS

Pro Mod

Bore Size	Style	Deck Height	Valve Size	Pin Size	Part Number
83MM	2 Valve	.775 w/18MM	42 in. 36 ex.	17 or 18 MM	MTC-2VPM-83
85MM	2 Valve	.775 w/18MM	42 in. 36 ex.	17 or 18 MM	MTC-2VPM-85
87MM	2 Valve	.775 w/18MM	42 in. 36 ex.	18 MM	MTC-2VPM-87
89MM	2 Valve	.775 w/18MM	42 in. 36 ex.	18 MM	MTC-2VPM-89
83MM	4 Valve Suzuki	.835 w/18MM	31 in. 28.5 ex.	18 or 20 MM	MTC-4VPM-83
85MM	4 Valve Suzuki	.835 w/18MM	31 in. 28.5 ex.	18 or 20 MM	MTC-4VPM-85

Pro Stock

85MM	2 Valve	.635 w/17MM	No Pockets	17MM	MTC-2VPS-85-17
		.615 w/18MM		18MM	MTC-2VPS-85
87MM	2 Valve	.615 w/18MM	No Pockets	18MM	MTC-2VPS-87
89MM	2 Valve	.615 w/18MM	No Pockets	18MM	MTC-2VPS-

45 Degree Dome

KIT CONTAINS BUTTONS INSTEAD OF CLIPS					
83MM	2 Valve Kawasaki	.645 w/17MM	37 in. 32 ex.	17 or 18MM	MTC-2V45-83
85MM	2 Valve Kawasaki	.645 w/17MM	37 in. 32 ex.	17 or 18MM	MTC-2V45-85

Top Fuel

KIT CONTAINS BUTTONS INSTEAD OF CLIPS					
80MM	2 Valve	.735 w/17MM	36 in. 31 ex.	17, 18, or 20MM	MTC-TF2V-80
83MM	2 Valve	.676 w/20MM	36 in. 31 ex.	20MM	MTC-TF2V-83
83MM	4 Valve	.900 w/18MM	31 in. 31 ex.	18 or 20MM	MTC-TF4V-83

Note: Valve pocket is cut 1MM larger than valve size listed

Hector Arana
2009 NHRA Pro-Stock Champion

Harley Davidson Piston Kits

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80" Evolution Big Twin

YEARS	1984-PRESENT
STROKE	4.25 IN
KIT CONTAINS	2 PISTONS, RINGS, CLIPS, AND WRIST PINS
WRIST PIN SIZE	0.792
VALVE SIZE	2.140 IN, 1.740 EX

Displacement	Bore Size	Installation Requirements	Comp Ratio	Part Number
80CI	3 1/2	Drop in	10:1	MTC-HD3500
80CI	3 1/2	Hone cylinders to +.005	10:1	MTC-HD350005
80CI	3 1/2	Bore and hone cylinders to +.010	10:1	MTC-HD350010
80CI	3 1/2	Bore and hone cylinders to +.020	10:1	MTC-HD350020
80CI	3 1/2	Bore and hone cylinders to +.030	10:1	MTC-HD350030
88CI	3 5/8	After-market cylinder required	10:1	MTC-HD3625
88CI	3 5/8	After-market cylinder required	10:1	MTC-HD362505
88CI	3 5/8	After-market cylinder required	10:1	MTC-HD362510

Twin Cam 88

YEARS	1999-2006
STROKE	4 IN
KIT CONTAINS	2 PISTONS, RINGS, CLIPS, AND WRIST PINS
WRIST PIN SIZE	0.927
VALVE SIZE	2.040 IN, 1.790 EX (95CI); 2.100 IN, 1.790 EX (107CI - 131CI)

Displacement	Bore Size	Installation Requirements	Comp Ratio	Part Number
95CI	3 7/8	Bore and hone cylinders	10.5:1	MTC-HD3875
95CI	3 7/8	Bore and hone cylinders	15:1	MTC-HD3875H
95CI	3 7/8	Bore and hone cylinders to +.005	10.5:1	MTC-HD387505
95CI	3 7/8	Bore and hone cylinders to +.005	15:1	MTC-HD387505H
95CI	3 7/8	Bore and hone cylinders to +.010	10.5:1	MTC-HD387510
95CI	3 7/8	Bore and hone cylinders to +.010	15:1	MTC-HD387510H
95CI	3 7/8	Bore and hone cylinders to +.020	10.5:1	MTC-HD387520
95CI	3 7/8	Bore and hone cylinders to +.020	15:1	MTC-HD387520H
107CI	4 1/8 *	Resleeve, bore, and hone	9.8:1	MTC-HD4125
107CI	4 1/8 *	Resleeve, bore, and hone to +.010	10.5:1	MTC-HD412510
107CI	4 1/8 *	Resleeve, bore, and hone to +.020	10.5:1	MTC-HD412520
117CI, 4 3/8 STROKE	4 1/8 *	Resleeve, bore, and hone	9.8:1	MTC-HD4125-4375
117CI, 4 3/8 STROKE	4 1/8 *	Resleeve, bore, and hone to +.010	9.8:1	MTC-HD412510-4375
117CI, 4 3/8 STROKE	4 1/8 *	Resleeve, bore, and hone to +.020	9.8:1	MTC-HD412520-4375
124CI, 4 5/8 STROKE	4 1/8 *	Resleeve, bore, hone, and fly-wheels	9.8:1	MTC-HD4125-4625
124CI, 4 5/8 STROKE	4 1/8 *	Resleeve, bore, hone to +.010, and fly-wheels	9.8:1	MTC-HD412510-4625
124CI, 4 5/8 STROKE	4 1/8 *	Resleeve, bore, hone to +.020, and fly-wheels	9.8:1	MTC-HD412520-4625
131CI, 4 5/8 STROKE	4 1/4	After-market motor required	9.8:1	MTC-HD4250
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.005)	9.8:1	MTC-HD425005
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.010)	9.8:1	MTC-HD425010
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.020)	9.8:1	MTC-HD425020
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.030)	9.8:1	MTC-HD425030
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.005)	9.8:1	MTC-HD425005
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.010)	9.8:1	MTC-HD425010
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.020)	9.8:1	MTC-HD425020
131CI, 4 5/8 STROKE	4 1/4	After-market motor required (hone +.030)	9.8:1	MTC-HD425030

* These pistons will fit into stock cylinders that have been resleeved. MTC has sleeves for this application and torque plates for this and many other V-Twin applications.