

# ATV • UTV





**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**ARCTIC CAT FOUR-STROKE**

		TOP END											VALVE TRAIN				BOTTOM END				CLUTCH								
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS
90 DVX, AUTO 2006-13 90cc 47mm 1.850"	CI FL-5615																												
150 DVX 2009-13 149cc 62mm 2.440"	FL-5409																												
250 1999-05 4x4, 2x4 246cc Single 66mm 2.598"	CI FL-5019														Top End 35-0827  Complete w/oil seals 37-1827														
250 DVX, 2006-09 2x4 249cc Liquid Cooled 72.7mm 2.862" Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.	AC FL-5613															Athena Complete Kit <b>ATH-K012</b> (Std. 72.7mm)  Complete Kit <b>ATH-K013</b> (290cc, 78mm)													
300 DVX 2009-13 270cc Liquid Cooled 72.7mm 2.862" Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.	AC FL-5543															Athena Complete Kit <b>ATH-K014</b> (Std. 72.7mm)  Complete Kit <b>ATH-K015</b> (310cc, 78mm)													
300 1998-05 4x4, 2x4 280cc Single 68.5mm 2.697"	CI FL-5136														Top End 35-0826  Complete w/oil seals 37-1826														
350 4X4 2012 366 4x4 2008-10 400 CORE 2013 366cc Single 81mm 3.188"	FL-5670																												
375 4x4, 2x4 2002 400 4x4, 2x4 2003-08 376cc Single 82mm 3.228"	CS FL-5512														Top End 35-0846														
400 4x4, 2x4 1998-02 371cc Liquid Cooled 84mm 3.307"	CI FL-5364																												
400 DVX 2x4 2004-08 398cc Liquid Cooled 90mm 3.543" Resleeving required for oversizes	AC FL-5430	5430K	90.00 90.01 91.00 92.00	Std. Std. .040 .080	12.25:1 Comp. 5220A 65.2700A 4713M09000 3543XR 12.25:1 Comp. 5220B 65.2700B 4713M09200 3622XR 12.25:1 Comp. 5224 65.2700.100 4713M09200 3622XR	12.25:1 Comp. 4713M09000 3543XR 12.25:1 Comp. 4714M09000 4714M09200	12.5:1 Comp. CPM4028 8563DA 900XSY 900XSY 12:1 Comp. 180297 199657	12.25:1 Comp. 8563DA 8563DB 900XSY 900XSY	13.5:1 Comp. 8567DA 900XSY	13.5:1 Comp. 900XSY				Top End C7978 (92mm)  w/ seals C7978-EST	Top End 35-3402  Complete w/oil seals 37-3402	Cylinder Works <b>40001</b> (Std. 90mm)  Cylinder Works Complete Kit <b>40001-K01</b> (Std. 90mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S Valve Springs 60-60045	Valve Guide IN / EX 60-60060 O/S +.001 60-60061 Valve Seat Intake 10-SB375 Exhaust 10-SB320	Hot Cams Camshaft 2249-1IN (Intake) 2250-1E (Exhaust)  Shim Kit HCSHIM02 (9.48mm)	CC-3403	HR4059  Stroker HR4259 (424cc)  Stroker +5mm HR4159 (must use stroker piston)	Pro-X 04921  Carillo CR04203 (H-Beam)	6306RI  Bearing / Seal Kit 49K049	Friction Kit 634028  Steel 634517  Basket 31-252  Clutch Spring Kit CSKP-019	K&N Filters Oil Filter KN-139  Air Filter KN-4002  Power Lid KN-4002T				

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**ARCTIC CAT FOUR-STROKE (CONTINUED)**

MODEL Engine Description Cylinder I.D. (mm/in.)	SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END										VALVE TRAIN				BOTTOM END				CLUTCH		FILTERS								
					PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET		CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE					
<b>400 DVX 2x4 2004-08</b> <b>Big Bore 434cc to 456cc</b> 94mm 3.700" 434cc 94.00mm 440cc 94.50mm 443cc 95.00mm 450cc 95.50mm 453cc 96.00mm 456cc 96.50mm  <i>Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.</i>	BB FL-5430B		94.00 94.50 95.00 95.50	.160 .180 .200 .220		12.5:1 Comp. 65.2700.400	12.5:1 Comp. 4795M09450	3720XP		12.5:1 Comp. CPM3003	12.5:1 Comp. 8563D400	940XSY	12:1 Comp. 183051		Top End C7963 (95mm)	Cylinder Works Plated Bore <b>41001</b> (434cc, 94mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S	Valve Guide IN / EX 60-60060	Hot Cams Camshaft 2249-1IN (Intake) 2250-1E (Exhaust)	CC-3403	HR4059	Pro-X 04921	6306RI	Bearing / Seal Kit <b>49K049</b>	Friction Kit 634028		K&N Filters Oil Filter KN-139						
			94.50 95.00 95.50	.180 .200 .220		65.2700.500 65.2700.550	13.5:1 Comp. 4796M09450	3720XP		CPM3004			13:1 Comp. 243651		Top End GS5430 (97mm)	Iron Bore <b>41001SL</b> (94mm)	Valve Springs 60-60045	O/S +.001 60-60061	Valve Seat Intake 10-SB375	2250-1E (Exhaust)		Stroker HR4259 +4mm (460cc @94mm)	Carillo CR04203 (H-Beam)		Steel 634517	Basket 31-252	Clutch Spring Kit CSKP-019	Air Filter KN-4002	Power Lid KN-4002T				
<b>Bearcat 1996-98 454 4x4</b> <b>Bearcat 1997-98 454 2x4</b> 454cc Liquid Cooled 84mm 3.307"	CI FL-5326														Top End C7308	Complete w/oil seals 37-1800																	
<b>XC 450 2011-13</b> 443cc Liquid Cooled 89mm 3.504"	FL-5766																																
<b>450 CORE 2013</b> <b>450i 2011-12</b> <b>450 TRV 2011-12</b> 443cc Liquid Cooled 89mm 3.504"	FL-5766																																
<b>500 H1 2013</b> <b>500 XT 2013</b> 443cc Liquid Cooled 89mm 3.504"	FL-5766																																
<b>500 4x4 1998-09</b> <b>500 4x4 Auto 2000-09</b> 493cc Liquid Cooled 87.5mm 3.444"	AC FL-5370														Top End 35-0828																		
<b>550 Prowler H1 2009-13</b> <b>550 H1 LE 2009-13</b> <b>550 TRV 2009-13</b> 545cc Liquid Cooled 92mm 3.622"	FL-5328														Complete w/oil seals 37-1828 (manual) 37-1839 (auto)																		

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MODEL  
Engine Description  
Cylinder I.D. (mm/in.)



**ARCTIC CAT FOUR-STROKE (CONTINUED)**

MODEL Engine Description Cylinder I.D. (mm/in.)	SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	TOP END											VALVE TRAIN				BOTTOM END				CLUTCH			FILTERS															
					PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB PRESSURE PLATE																
<b>650 4x4 2004-06</b> <b>650 4x4 Auto 2004-06</b> 633cc Twin Liquid Cooled 80mm 3.150"	AC	FL-5559																																			Top End 35-0879					2031-1S (Mudblaster) 2036-1S (Stage 1)
<b>650 H1, 4x4 2007-11</b> <b>650 Prowler 2006-09</b> 641cc Single Liquid Cooled 98mm 3.858"	AC	FL-5612																																				Top End C7220	Top End 35-1928			
<b>700 EF1, 4x4 2006-13</b> <b>700 Mud Pro 2009-13</b> <b>700 Prowler XTX 2008-13</b> <b>TRV Cruiser 2009-13</b> 695cc Single Liquid Cooled 102mm 4.015"	AC	FL-5595	102.00	Std.			11.5:1 Comp. 40080M10200	10200XS	11.5:1 Comp. CPM4013																																	
<b>700 4x4, Mud Pro 2006-13</b> <b>700 Prowler 2008-13</b> Big Bore to 750cc 106mm 4.170"	BB	FL-5595B	106.00	.160					11.5:1 Comp. CPM4014																												Top End C3128-EST					
<b>1000 H2 2009-13</b> <b>Prowler XTZ 2009-13</b> <b>Wildcat 2013</b> <b>Thundercat 2009-10</b> <b>Mud Pro 2009-13</b> <b>TRV Cruiser 2011-13</b> <b>1000 XT 2013</b> 951cc Twin Liquid Cooled 92mm 3.622"	AC	FL-5413	92.00	Std.			12.5:1 Comp. 40081M09200	9200XX																																		

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- TECH.





**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**BOMBARDIER • CAN-AM FOUR-STROKE (CONTINUED)**

TOP END													VALVE TRAIN				BOTTOM END				CLUTCH			FILTERS									
SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE							
DS650 through 2007 653cc Liquid Cooled 100mm 3.937"	AC	FL-5467		100.00	Std.						209283 (02-03)				Top End C7711 (01-04)	Top End 35-0853 (02-06)																	
DS650 Big Bore to 719cc 105mm 4.134"	BB	FL-5467B		105.00	.200						JE5467PS				Top End C7722																		
Outlander 2006-13 650 H.O. EFI 650cc V-Twin Liquid Cooled 82mm 3.228"	RS	FL-5620	5620K-2	82.00 82.50 83.00	Std. .020 .040										Top End 35-0954 Complete w/oil seals 37-1954								Steel Intake 91-91162 Valve Guide Intake 91-91170 Steel Exhaust 91-91166 O/S+.001 91-91171 Valve Spring Kit 91-91150 (06-10) Exhaust 91-91180 O/S+.001 91-91181										
Outlander 2006-13 800 H.O. EFI Renegade 2008-13 800 H.O. EFI Commander 2011-13 800 800cc V-Twin Liquid Cooled 91mm 3.582"	RS	FL-5619	5619K	91.00 92.00 93.00	Std. .040 .080										Top End 35-0956 Complete w/oil seals 37-1956 (06-11)								Steel Intake 91-91162 Valve Guide Intake 91-91170 Steel Exhaust 91-91166 O/S+.001 91-91171 Valve Spring Kit 91-91150 Exhaust 91-91180 O/S+.001 91-91181										
1000R 2011-13 Commander 1000 2011-13 Maverick 1000R 2013 Outlander 1000 2012-13 Renegade 1000 2012-13 976cc V-Twin Liquid Cooled 91mm 3.582"	RS	FL-5619		91.00 91.00 91.00 93.00	Std. Std. Std. .080										Top End (Outlander) 35-0956 Complete w/oil seals (Outlander) 37-1957																		

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**MODEL**  
Engine Description  
Cylinder Bore (mm/in.)



### HONDA TWO-STROKE

MODEL		SLEEVE	REBUILD KIT	BORE SIZE	PISTON SIZE	TOP END							BOTTOM END					CLUTCH			FILTERS				
Year	Engine Description	Sleeve	Sleeve • Piston Gasket • T.E. Bearing	mm	mm	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	WOSSNER RING	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE		
1981-84	ATC-250R 247cc Single 70mm	CI	H-106	106K	70.00 70.25 70.50 70.75			431M07000	2756CD	8154DA 8154D025 8154D050 8154D075	RDB7000 RDB7025 RDB7050 RDB7075	T.E. Bearing 01181	Top End C7021				Hot Rods HR8160			6328C3	094951				
	Special heavy O.D. to repair broken cylinder skirt	CS	H-106H		71.00 71.25 71.50 72.00			431M07100	2795CD	8154D100 8154D125 8154D150 8154D200	RDB7100 RDB7125 RDB7150 RDB7200									Bearing / Seal Kit 494951					
1985-86	ATC-250R 246cc Liquid Cooled 66mm	CI	H-845	845K	66.00 66.25 66.50 66.75 67.00	0280 0283 0284 0286		526M06600 526M06625 526M06650 526M06675 526M06700 526M06725 526M06750	2598CD 2608CD 2618CD 2628CD 2638CD 2648CD 2658CD	8156DA 8156D025 8156D050 8156D075 8156D100 8156D125 8156D150 8156D200	RDB6600 RDB6625 RDB6650 RDB6675 RDB6700 RDB6725 RDB6750 RDB6800	T.E. Bearing 01181	Top End C7349  C7350 (69.5mm)	Complete 36-8814  Complete w/oil seals 37-8814	HR4006	Pro-X 04980	39-4980X			6328C3	094971	Friction Kit 612027  Alloy (ATC '85) 612536  Steel (ATC '85) 612526  Basket 31-014	Clutch Spring Kit CSKP-007	K&N Filters Air Filters KN-2440 (ATC)  KN-4250H (TRX)	
	Special heavy O.D. to repair broken cylinder skirt	CS	H-845H		67.25 67.50 67.75 68.00 68.25 68.50 69.00 69.50			526M06800  526M06850 526M06900 526M06950	2677CD  2697CD 2717CD 2736CD																
1985-86	ATC-295R 295cc to 310cc 72mm		H-845B		72.00 72.25 72.50 73.00 73.50		Forged W845PS W845P1 W845P2 W845P4 W845P6		2835CD 2844CD 2854CD 2874CD 2894CD			T.E. Bearing 01181	Top End GS845			Pro-X 04980	39-4980X			6328C3	094971	Friction Kit 612027  Alloy (ATC '85) 612536  Steel (ATC '85) 612526  Basket 31-014	Clutch Spring Kit CSKP-007	K&N Filters Air Filters KN-2440 (ATC)  KN-4250H (TRX)	
	(Head modification required)				72.00 72.25 72.50		Cast PX845PS PX845P1 PX845P2		2835CD 2844CD 2854CD																
1987-89	Four Trax TRX-250R 246cc Liquid Cooled 66mm	CI	H-5032	5032K	66.00 66.50 67.00 67.50 68.00		4320	562M06600 562M06650 562M06700 562M06750 562M06800	2598CD 2618CD 2638CD 2658CD 2677CD	8189DA 8189D050 8189D100 8189D150 8189D200	RDB6600 RDB6650 RDB6700 RDB6750 RDB6800	T.E. Bearing 01181	Top End C7349	Complete 36-8814  Complete w/oil seals 37-8814	HR4007  Stroker Crank (260cc, +4mm) HR4107	Hot Rods HR8109	39-4971			6328C3	094971	Friction Kit 612027  Basket 31-014	Clutch Spring Kit CSKP-007	K&N Filters Air Filters KN-4250H	
	Special heavy O.D. to repair broken cylinder skirt	CS	H-5032H		68.00																				
1987-89	TRX-295R 295cc to 310cc 72mm		H-5032B		72.00 72.25 72.50 73.00 73.50		W845PS W845P1 W845P2 W845P4 W845P6		2835CD 2844CD 2854CD 2874CD 2894CD			T.E. Bearing 01181	Top End GS845  Base Plate BSP845			Hot Rods HR8109	39-4971			6328C3	094971	Friction Kit 612027  Basket 31-014	Clutch Spring Kit CSKP-007	K&N Filters Air Filters KN-4250H	
	(Head modification required)				72.00 72.25 72.50 73.00 73.50																				
	Must use Base Plate No. BSP845 with W845 Piston																								
1977-84	Odyssey 250 247cc 70mm	CI	H-91	91K	70.00 70.50 71.00 71.50 72.00			338M07000 338M07050 338M07100 338M07150 338M07200	2756CD 2776CD 2765CD 2815CD 2835CD			T.E. Bearing 01181	Top End C7140							6306C3					
1981-84	ATC-300 299cc 76mm	CS	H-115										Top End GS115												
1985-86	Odyssey 350 329cc 78.5mm	CS	H-896	896K	80.00 80.50 81.00 81.50 82.00	.060 .080 .100 .120 .140		533M08000 533M08050 533M08100	3150TD 3169TD 3189TD			T.E. Bearing 01181	Top End C7229							Left 6307N Right 6306C3					
1989-92	Pilot FL-400 397cc Liquid Cooled 80mm	CI	H-5088	5088K	80.00 81.00 82.00	.Std. .040 .080		577M08000 577M08100 577M08200	3150TD 3189TD 3228TD			T.E. Bearing 01320	Top End C7024							Left 6306C3					

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**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



TOP END													VALVE TRAIN				BOTTOM END				CLUTCH						
SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS

**HONDA FOUR-STROKE (CONTINUED)**

<b>TRX-200</b> 1990-91 <b>TRX-200D</b> 1991-97 199cc Single 65mm 2.559"	CS	H-989	989K-2	65.00 65.25 65.50 65.75 66.00 66.50	Std. .010 .020 .030 .040 .060	2450 2451 2452 2453 2454 2456									Top End C7222	Top End 35-1268										(IN / EX Set) 07-015				6328C3		Friction Kit 611055				
<b>ATC-250, SX, ES</b> 1985-87 <b>TRX-250</b> 1985-87 246cc Single 74mm 2.913"	RS	H-5028		74.00 74.25 74.75 75.00 75.50	Std. .010 .030 .040 .060	2480 2481 2483 2484 2486									Top End C7026	Complete w/oil seals 37-1802					Pro-X 01354						(IN / EX Set) 07-019				Friction Kit 615035					
<b>Four Trax 250X</b> 1987-88 <b>1991-92</b> 246cc Single 74mm 2.913"	RS	H-5028	5028K	74.00 74.50 75.00 75.50 76.00	Std. .020 .040 .060 .080		12:1 Comp. 4440M07400 4440M07450 4440M07500 4440M07600	2913XC 2933XC 2953XC 2973XC 2992XC							Top End C7143-EST						Pro-X 01354	6328C3				(IN / EX Set) 07-0162 (1987-92)	Valve Guide IN / EX 30-3030	Hot Cams Camshaft 1058-1				Friction Kit 612026				
<b>TRX-250D Recon</b> 1997-09 229cc Single 68.5mm 2.697"	RS	H-5366	5366K (97-01) 5366K-1 (02-09)	68.50 69.00 69.50	Std. .020 .040											Top End 35-0841 (97-01) 35-0888 (02-09)										(IN / EX Set) 07-021 (1997-01)			CC-1480			Friction Kit 611055				
<b>TRX-250EX, X, Sportrax</b> 2001-13 229cc Single 68.5mm 2.697"	CS	H-5560	5560K	68.50 69.00 69.50	Std. .020 .040		10.5:1 Comp. 2620 2622 2624	10.5:1 Comp. 4935M06850 4935M06900 4935M06950 (01-08)	2698XA 2717XC 2736XC						Top End C3153-EST	Top End 35-0888										(IN / EX Set) 07-026			CC-1480			Friction Kit 611055				
				68.50 69.00 69.50	Std. .020 .040		10:1 Comp. 40061M06850 40061M06900 40061M06950 (09-13)	2698XA 2717XA 2736XC								Complete w/oil seals 37-1888 (01-02) 37-1905 (03-13)										Valve Springs 299-H										
<b>TRX-300 TRX-300 FW 2 Valve</b> 1988-00 282CC Single 74mm 2.913"	RS	H-5062		74.00 74.25 74.50 74.75 75.00 75.50 76.00	Std. .010 .020 .030 .040 .060 .080		10.25:1 Comp. 2470 2471 2472 2473 2474 2476	10.5:1 Comp. 4629M07400 4629M07450	2913XC 2933XC							Top End 35-1400					Pro-X 01357	Left SC0693CS Right DG407618				(IN / EX Set) 07-020						Friction Kit 615036				
				74.50 74.75 75.00 75.50 76.00	.030 .040 .060 .080		4629M07500 4629M07550 4629M07600	2953XC 2973XC 2992XC							Complete w/oil seals 37-1400																					
<b>TRX-300 EX, X 4 Valve</b> 1993-09 282cc Single 74mm 2.913"	RS	H-5062	5062K	74.00 74.25 74.50 75.00 75.50 76.00	Std. .010 .020 .040 .060 .080		11:1 Comp. 65.1867A 65.1867.025 65.1867.050	11:1 Comp. 4574M07400 4574M07450 4574M07500 4574M07550 4574M07600	2913XC 2933XC 2953XC 2973XC 2992XC	11.5:1 CPM2039	11:1 Comp. 8675DA 8675D050 8675D100 8675D150 8675D200	740XDS 745XDS 750XDS 755XDS 760XDS			Top End C7143-EST (75mm)	Top End 35-1430					Pro-X 01357	Left SC0693CS Right DG407618				(IN / EX Set) 07-0162	Valve Guide IN / EX (93-97) 30-3030	Hot Cams Camshaft 1058-1	CC-1393			Friction Kit 612026				
				74.50 75.00 75.50 76.00	.020 .040 .060 .080	2496									C7906-EST (78mm)	Complete w/oil seals 37-1430										Valve Springs (93-97) 30-3041	O/S +.001 30-3031									
<b>TRX-300 EX, X</b> 1993-09 Big Bore to 330cc 80mm 3.150" (Case Modification Required)	BB	H-5062B		80.00	.240										Top End GS5062																					

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YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**HONDA FOUR-STROKE (CONTINUED)**

		TOP END												VALVE TRAIN				BOTTOM END				CLUTCH														
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB PRESSURE PLATE	FILTERS								
<b>ATC-350X 1985-86</b> <b>Four Trax 350 1986-89</b> 350cc Single 81mm 3.189"	RS	H-952	952K	81.00 81.50 82.00	Std. .020 .040			10.25:1 Comp. 4393M08100 4393M08150 4393M08200	3189XG 3208XG 3228XG			10.25:1 Comp. 8598DA 8598D050 8598D100	810XSY 815XSY 820XSY				Top End C7402 (ATC)													Friction Kit 615036 (TRX)						
				81.00 81.50 82.00	Std. .020 .040			12:1 Comp. 4396M08100 4396M08150 4396M08200	3189XG 3208XG 3228XG																											
<b>ATC-350X 1985-86</b> <b>Four Trax 350 1986-89</b> Big Bore to 425cc, 432cc, 452cc 89mm to 92mm  <i>(Case Modification Required)</i>	BB	H-952H		89.00 90.00 92.00													Top End GS952														Friction Kit 615036 (TRX)					
<b>TRX350TM 2000-06</b> <b>Rancher</b> <b>TRX350ES 2000-09</b> <b>Rancher</b> 329cc Single 78.5mm 3.090"	RS	H-5443	5443K	78.50 79.00 79.50	Std. .020 .040		65.1869A 65.1869.050 65.1869.100	4933M07850 4933M07900 4933M07950	3071XC 7900XX 7950XX								Top End 35-0867														Friction Kit 615036					
<b>TRX-400FW 4x4</b> <b>Foreman 400</b> 395cc Single 86mm 3.386"	RS	H-5286	5286K	86.00 86.50 87.00	Std. .020 .040		8.2:1 Comp. 2660 2662 2664	8.2:1 Comp. 4669M08600 4669M08700	3386XC 3425XC								Top End C7301	Top End 35-0858														Friction Kit 615036				
<b>TRX-400 EX 1999-09</b> <b>TRX-400 X 2009-13</b> <b>4 Valve</b> 397cc Single 85mm 3.346"	RS	H-5293	5293K	85.00 85.25 85.50 85.75 86.00 87.00	Std. .010 .020 .030 .040 .080	10:1 Comp. 2500 2501 2502 2503 2504	10:1 Comp. 65.1820A 65.1820.025 65.1820.050 65.1820.075 65.1820.100	10:1 Comp. 4606M08500 4606M08550 4606M08600 4606M08700	3347XC 8550XX 3386XC 3425XC								Top End C7825 (SS Head)	Top End 35-1496																		
				85.00 85.50 86.00 87.00	Std. .020 .040 .080		11:1 Comp. 65.1821A 65.1821.050	11:1 Comp. 4628M08500 4628M08550 4628M08600 4628M08700	3347XC 8550XX 3386XC 3425XC																											
				85.00 85.50 86.00 87.00	Std. .020 .040 .080			12.5:1 Comp. 8702DA 8702D050 8702D100 8702D200	12:1 Comp. 850XSY 855XSY 860XSY 870XSY	132697 132699 133889 199655 199656																										
				85.00 85.50 86.00 87.00	Std. .020 .040 .080																															
<b>TRX-400EX 1999-13</b> <b>Big Bore to 440cc</b> 88mm 3.464"	BB	H-5445		88.00 88.50 89.00 89.00	.120 .120 .140 .160		10:1 Comp. 4606M08800	10:1 Comp. 3465XC									Top End C7826 (SS Head)																			
				88.00 88.50 89.00	.120 .140 .160		11:1 Comp. 65.1821.300 65.1821.400	11:1 Comp. 4628M08800 4667M08900	3465XC 3504XC																											
				88.00 88.50 89.00	.120 .140 .160			12.5:1 Comp. 4794M08900	12:1 Comp. 8900XX																											
				88.00 88.50 89.00	.120 .140 .160																															
<b>FourTrax 400 2004-07</b> <b>Rancher AT</b> 397c Single 85mm 3.346"	RS	H-5630															Top End 35-0902																			
<b>FourTrax 420 2007-13</b> <b>Rancher AT 420</b> 420cc Liquid Cooled 86.5mm 3.406"  <i>Re-sleeving required for oversizes</i> 87.50, 88.00, 88.50mm	CI	H-5497	5497K (09-13)	86.50 87.00 87.50 88.00 88.50	Std. .020 .040 .060 .080	Stock Comp. 01.1487.000 01.1487.050 01.1487.100 01.1487.150 01.1487.200	Stock Comp. 40050M08650 40050M08700 40050M08750 40050M08800 40050M08850	8650XX 8700XX 8750XX 8800XX 8850XX									Top End 35-0943 (09-13)																			

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**HONDA FOUR-STROKE (CONTINUED)**

		TOP END												VALVE TRAIN				BOTTOM END				CLUTCH												
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE <small>Valve Spring Kit</small>	VALVE GUIDE <small>VALVE SEAT</small>	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS					
TRX-450, 1998-04 ES, S Foreman 433cc Single 90mm 3.543"	RS H-5365	5365K	90.00 90.50 91.00 91.50 92.00	Std. .020 .040 .060 .080		9:1 Comp. 2670 2672 2674	9.5:1 Comp. 4825M09000 4825M09050 4825M09100 4825M09150 4825M09200	3544XC 3563XC 3583XC 9150XX 3622XC								Top End 35-0859  Complete w/oil seals 37-1859															Friction Kit 615036			
TRX-450R 2004-05 450cc Liquid Cooled 94mm 3.700"  <i>Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets</i>  <i>Resleeving required for oversizes</i>	AC H-5561	5561K	94.00 94.01 96.00	Std. Std. .080	10.5:1 Comp. 2600A 2600B	10.5:1 Comp. 65.1850A 65.1850B	10.5:1 Comp. 4848M09400 4848M09600	3701XR 9600XS	11:1 Comp. CPM2021	10.5:1 8609DA	940XSY	11.5:1 Comp. 221771		Top End C7877-EST (94mm)	Top End 35-1494	Cylinder Works Plated Bore <b>10003</b> (Std. 94mm)	Intake 30-30750  Exhaust 30-30753	Valve Guide Intake 30-30730  O/S +.001 30-30731	Hot Cams Camshaft 1016-1 (Stage 1) 1024-2 (Stage 2) 1056-3 (Stage 3)	CC-1494	Stock HR4040	Hot Rods HR8632							Friction Kit 614948	Hinson Inner Hub 31-165 Pressure Plate 31-164002 Hub/Plate Kit 31-223	K&N Filters Oil Filter KN-116  Air Filter KN-4504  Power Lid KN-4504T			
			94.00 96.00	Std. .080			11.5:1 Comp. 4849M09400 4849M09600	3701XR 9600XS	12:1 Comp. CPM2035	11.5:1 Comp. 8719DA		12:1 Comp. 262285			C7199-EST (95mm)	Complete w/oil seals 37-1494	Cylinder Works Complete Kit <b>10003-K01</b> (Std. 94mm)	Valve Springs 30-30720	Exhaust 30-30740		Stroker HR4160 471cc +3mm	Carrillo CR04384 (A-Beam)							Bearing / Seal Kit <b>49K046</b>	Steel 613517	Hinson Basket 31-224			
			94.00 96.00	Std. .080			13.5:1 Comp. 4851M09400	3701XR	13:1 Comp. CPM2017 CPM2019			13:1 Comp. 221767 221770			C7878-EST (96mm)		Big Bore Complete Kit <b>11003-K01</b> (479cc, 97mm)		O/S +.001 30-30740	Shim Kit HCSHIM02 (9.48mm)											Hinson Basket 31-224	Clutch Spring Kit CSKP-006	Pro-X Pressure Plate 18-P1392	
			94.00	Std.			13.5:1 Comp. CPM2025				13.5:1 Comp. CPM2055 CPM2020	11:1 Comp. 8610DA	970XSY		12:1 Comp. 221834	C7201-EST (97mm)				O/S +.001 30-30741														
TRX-450R to 480cc 97mm 479cc 98mm 489cc 99mm 499cc 98mm 489cc  <i>Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, &amp; Top End Gasket Kit.</i>	BB H-5561B		97.00 98.00 99.00	.120 .160 .200					13:1 Comp. CPM2055 CPM2020	11:1 Comp. 8610DA	970XSY		12:1 Comp. 221834	C3079-EST (100mm)																				
TRX-450R 2006-13 450cc Liquid Cooled 96mm 3.780"  <i>Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets</i>  <i>Resleeving required for oversizes</i>	AC H-5537		96.00 98.00	Std. .080	12:1 Comp. 01.1496A	12.5:1 Comp. 65.1852A 65.1852.200	12:1 Comp. 4899M09600	9600XS	12.5:1 Comp. CPM2036 CPM2038	12.5:1 Comp. 8660DA	960XSY	13:1 Comp. 274189 274615		Top End C3139-EST (96mm)	Top End 35-1497	Cylinder Works Plated Bore <b>10005</b> (Std. 96mm)	Intake 30-30950  Exhaust 30-30953	Valve Guide Intake 30-30930  O/S +.001 30-30931	Hot Cams Camshaft 1016-1 (Stage 1) 1024-2 (Stage 2)	CC-1403	Stock HR4070	Hot Rods HR8660									Friction Kit 614948	Hinson Inner Hub 31-165 Pressure Plate 31-164002 Hub/Plate Kit 31-223	K&N Filters Oil Filter KN-116  Air Filter KN-6500  Power Lid KN4506T	
			96.00	Std.	13.5:1 Comp. 01.1497A	65.1853A	13.5:1 Comp. 4905M09600	9600XS	13:1 Comp. CPM2037	13.5:1 Comp. 8674DA	13.5:1 Comp. 960XSY	13.5:1 Comp. 274190			C3141-EST (98mm)	Complete w/oil seals 37-1497	Cylinder Works Complete Kit <b>10005-K01</b> (Std. 96mm)	Valve Springs 30-30920	Exhaust 30-30940	(08-13) 1105-1 (Stage 1) 1106-2 (Stage 2) 1107-3 (Stage 3)		Stroker HR4170 470cc +3mm	Carillo CR04156 (A-Beam)							Bearing / Seal Kit <b>49K047</b>	Steel 613517	Hinson Basket 31-224	Pro-X Pressure Plate 18-P1392	
			96.00	Std.			14:1 Comp. CPM2045 (Full Race)													O/S +.001 30-30941	Shim Kit HCSHIM02 (9.48mm)		Pro-X 03.1405											
			96.00	Std.																														
TRX-450R 2006-13 Big Bore to 477cc 99mm  <i>Repair Sleeve for Athena 490cc Big Bore Cylinder Reduces Bore to 98mm-99mm</i>  <i>Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.</i>	BB H-5537B		99.00 100.00	.120 .160	12:1 Comp. 4699				13:1 Comp. CPM2054				13:1 Comp. 247616	Top End C3272-EST (99mm)		Cylinder Works Plated Bore <b>11005</b> (477cc, 99mm)																		
	AC H-5581		98.00	.120									13:1 Comp. 247615	C3156-EST (101mm)		Complete Kit <b>11005-K01</b> (477cc, 99mm)																		

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



TOP END													VALVE TRAIN				BOTTOM END				CLUTCH						
SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS

**HONDA FOUR-STROKE (CONTINUED)**

<b>FourTrax 2005-11 Foreman 4x4</b> 475cc Air Cooled 92mm 3.622"	RS	H-5591												Top End 35-0896													Friction Kit 615037	
<b>FourTrax 2012-13 Foreman 4x4</b> 475cc Liquid Cooled 92mm 3.622"		H-5767																										
<b>TRX-500FA 2002-13 FourTrax Foreman Rubicon</b> 499cc Liquid Cooled 92mm 3.622"	CS	H-5504												Top End 35-0843  Complete w/oil seals 37-1843													Hot Cams Camshaft 1029-1 (02-08)  Friction Kit 615037	
<b>FourTrax 2003-05 Rincon</b> 649cc Single 100mm 3.937"	AC	H-5505	100.00	Std.		11:1 Comp. 40067M10000	3937XS				12.5:1 Comp. 222094				(IN / EX Set) 07-027												Hot Cams Camshaft 1030-1	
<b>FourTrax 2006-13 Rincon 680</b> <b>Big Red MUV 2009-13</b> 675cc Single Liquid Cooled 102mm 4.015"	CI	H-5621	102.00 103.00	Std. .040		10:1 Comp. 40066M10200 40066M10300	10200XS 10300XS								(IN / EX Set) 07-027												Hot Cams Camshaft 1030-1	
<b>TRX-700X 2008-12</b> 686cc Liquid Cooled 102mm 4.015"  <i>Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets</i>	CI	H-5689	102.00 103.00 104.00 105.00	Std. .040 .080 .120		11:1 Comp. 65.1854A	10:5:1 Comp. 40075M10200 40075M01300 40075M10400	10200XS 10300XS 10400XS	11:1 Comp. CPM2075		12:1 Comp. 308417  308418			Cylinder <b>10009</b> (Std. 102mm)  Cylinder Works Complete Kit <b>10009-K01</b> (Std. 102mm)  <b>Big Bore</b> Cylinder Works Complete Kit <b>11009-K01</b> (727cc, 105mm)	Intake 30-31362  Exhaust 30-31366  Valve Springs 30-31350	Valve Guide Intake 30-31370  O/S +.001 30-31371  Exhaust 30-31380  O/S +.001 30-31381	Hot Cams Camshaft <b>(08-09)</b> 1134-1 (Stage 1)  1135-2 (Stage)  1136-3 (Stage 3)	Stock HR4092 (08-09)  Stroker HR4192 710cc +3mm (08-09)	Hot Rods (08-09) HR8679			Bearing / Seal Kit <b>49K060</b>	Friction Kit 614948	Clutch Spring Kit CSKP-006	K&N Filters (08-09) Oil Filter KN-112  Air Filter KN-6808			
<b>TRX-700XX 2008-09 Big Bore</b> 106mm 4.170"	BB	H-5689B	106.00	.160		13:1 Comp. 65.1854.400								Cylinder <b>11009-106</b>														

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BIG BORE  
ACCESSORIES  
TECH.



MODEL  
Engine Description  
Cylinder Bore (mm/in.)



TOP END										BOTTOM END					CLUTCH					
SLEEVE	REBUILD KIT Sleeve • Piston Gasket • T.E. Bearing	BORE SIZE (mm)	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS

### KAWASAKI TWO-STROKE

<b>KFX-50</b> 49cc 41mm	<b>2003-06</b> 1.614"	CC	<b>FL-5492</b>	41.00 41.50 42.00 43.00	Std. .020 .040 .080	01.3001 01.3001.50 01.3001.100	826M04100 826M04150 826M04200 826M04300	1614CD 1634CD 1654CD 1693CD			Top End 35-0850										
<b>KFX-80</b> 82cc 50mm	<b>2003-06</b> 1.968"	RS	<b>FL-5369</b>	50.00 50.25 50.50 50.75 51.00 51.50 52.00	Std. .010 .020 .030 .040 .060 .080	5210 5212 5214 5216	673M05000 673M05025 673M05050 673M05100 673M05150 673M05200	1969CD 1979CD 1988CD 2008CD 2028CD 2047CD	T.E. Bearing 01215		Top End C7229	Top End 35-0849	Pro-X 04932	39-4932	6204C3 094397	Bearing / Seal Kit <b>494397</b>				K&N Filters Air Filter KN-8087	
<b>KFX-80</b> Big Bore to 105cc 54mm (Case & Head Modification Required)	<b>2003-06</b> 2.125"		<b>FL-5369B</b>	54.00 54.25 54.50	Std. .010 .020						Top End GS5369		Pro-X 04932	39-4932	6204C3 094397	Bearing / Seal Kit <b>494397</b>					
<b>KXT-250</b> Tecate 249cc Liquid Cooled 70mm	<b>1984-85</b> 2.756"	AC	<b>KA-795</b>	795K 70.00 70.50 71.00	Std. .020 .040		439M07000 439M07050 439M07100	2756CD 2776CD 2795CD	T.E. Bearing 01337		Top End C7049	Complete w/oil seals 37-1818	Pro-X 04967 Hot Rods HR8108	39-6305	6305C3 094488	Bearing / Seal Kit <b>496305</b>		Friction Kit 643047			
<b>KXT-250</b> Tecate KIPS 249cc Liquid Cooled 70mm	<b>1986-87</b> 2.756"	AC	<b>KA-949</b>	949K 70.00 70.50 71.00	Std. .020 .040		439M07000 439M07050 439M07100	2756CD 2776CD 2795CD	T.E. Bearing 01337		Top End C7038	Complete w/oil seals 37-1819	Pro-X 04967 Hot Rods HR8108	39-6305	6305C3 094488	Bearing / Seal Kit <b>496305</b>		Friction Kit 6430478			
<b>KFX-250</b> Tecate 4 249cc Liquid Cooled 67.4mm	<b>1987-88</b> 2.652"	AC	<b>KA-5007</b>	5007K 67.40 68.50 69.50	Std. .045 .084	4305C	556M06740 556M06850 556M06950	2652CD 2697CD 2736CD	T.E. Bearing 01337		Top End C7039	Complete w/oil seals 37-1820	Pro-X 04967 Hot Rods HR8108	39-4961	6328C3 094491	Bearing / Seal Kit <b>494488</b>		Friction Kit 643068			
<b>KXF-250</b> to 295cc Big Bore Tecate 4 73mm (Head Modification Required)	<b>1987-88</b> 2.874"		<b>KA-5007B</b>	73.00 73.50 74.00	Std. .020 .040		W5007PS W5007P2 W5007P4  Pistons No Longer In Production	2874CD 2894CD 2913CD	T.E. Bearing 01337		Top End GS5007		Pro-X 04967 Hot Rods HR8108	39-4961	6328C3 094491	Bearing / Seal Kit <b>494488</b>		Friction Kit 643068			

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



TOP END													VALVE TRAIN				BOTTOM END				CLUTCH						
SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER <small>AFTERMARKET KITS</small>	VALVE <small>Valve Spring Kit</small>	VALVE GUIDE <small>VALVE SEAT</small>	CAMSHAFT <small>SHIM KIT</small>	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS

**KAWASAKI FOUR-STROKE**

KFX-90 89cc 47mm	2007-13	CI	KA-5674											Top End 35-0952																	
KLT-110 KLF-110 Mojave 103cc 51mm	1984-86 1987-88	RS	KA-860												(IN / EX Set) 07-112														6304C3		
KLT-160 A1 153cc 61mm	1985	RS	KA-741												(IN / EX Set) 07-111														6305C3		
KLF-185 Bayou KLT-185 182cc 66mm	1985-88 1986-87	RS	KA-857												(IN / EX Set) 07-111														6305C3 Friction Kit 611055		
KLT-200 198cc 66mm	1977-84	RS	KA-673												(IN / EX Set) 07-101				Pro-X 01342										Friction Kit 611055		
KLF-220 Bayou 215cc 67mm	1988-02	RS	KA-5063	5063K										Top End 35-0803  Complete w/oil seals 37-1803	Cylinder <b>05021</b> (Std., 67mm)														(IN / EX Set) 07-109		
KLF-250 Bayou 228cc 69mm	2003-11	RS	KA-5506											Top End C7243-EST  Top End 35-0874  Complete w/oil seals 37-1874																	
KLT-250 249cc 70.5mm	1983-85	RS	KA-856																										(IN / EX Set) 07-101		
KSF-250 Mojave KFX-250 Mojave 249cc 74mm	1987-03 2004-05	RS	KA-5018	5018K										Top End C7244  Complete w/oil seals 37-1804																(IN / EX Set) 07-1102 (87-04)  Valve Springs 40-4158  Valve Guide 40-4390  O/S +.002 40-4392	
KLF-300 Bayou KEF-300 Lakota KVF-300 Prairie 290cc 76mm	1986-05 1995-03 1999-03	CI CS	KA-986 KA-986H											Top End C7245 (86-87)  C7248 (89-05)  Top End 35-0805  Complete 36-8805 (KEF, KLF) 36-8872 (KLF 4x4) 36-8873	Cylinder <b>05022</b> (88-03) (Std., 76mm)																(IN / EX Set) 07-101  Friction Kit 643045
KVF-360 Prairie 362cc 80mm	2003-13	AC	KA-5507											Top End 35-0845																(IN / EX Set) 07-4049	
KLF-400 Bayou KVF-400 Prairie 391cc 81mm	1993-99 1997-02	RS	KA-5167											Top End C7249  Top End 35-0831																(IN / EX Set) 07-1132  Valve Springs 339-K	

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**KAWASAKI FOUR-STROKE (CONTINUED)**

		TOP END											VALVE TRAIN				BOTTOM END				CLUTCH		FILTERS								
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS		
<b>KFX-400 2003-06</b> 398cc Liquid Cooled 90mm 3.543"  <i>Resleeving required for oversizes</i>	AC	FL-5430	5430K	90.00	Std.	12.25:1 Comp. 5220A	12.5:1 Comp. 65.2700A	12.25:1 Comp. 4713M09000	3543XR	12.5:1 Comp. CPM4028	12.25:1 Comp. 8563DA	900XSY	12:1 Comp. 180297	Top End C7978-EST (92mm)	Top End 35-3402	Cylinder Works <b>40001</b> (Std. 90mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S	Valve Guide IN / EX 60-60060 O/S +.001 60-60061	Hot Cams Camshaft 2249-11N (Intake) 2250-1E (Exhaust)	CC-3403	HR4059 Stroker HR4259 +4mm (424cc)	Pro-X 04921 Carillo CR04203 (H-Beam)	6306RI Bearing / Seal Kit <b>49K049</b>	Friction Kit 634028 Steel 634517 Basket 31-252 Clutch Spring Kit GSKP-019					K&N Filters Oil Filter KN-139 Air Filter KN-4002 Power Lid KN-4002T		
				90.01	Std.	5220B	65.2700B	4713M09200	3622XR		8563DB	900XSY	199657		Complete w/oil seals 37-3402	Intake O/S Valve +1mm 60-60051 Exhaust O/S Valve +1mm 60-60054 Valve Springs 60-60045	Valve Seat Intake 10-SB375 Exhaust 10-SB320			Stroker HR4159 +5mm (430cc) (Must use stroker piston)											
				92.00	.080	5220E	65.2701A	4714M09000	3543XR		8567DA	900XSY									Stroker HR4159 +5mm (430cc) (Must use stroker piston)										
<b>KFX-400 2003-06 Big Bore</b> 434cc to 456cc 94mm 3.700" 434cc 94.00mm 440cc 94.50mm 443cc 95.00mm 450cc 95.50mm 453cc 96.00mm 456cc 96.50mm  <i>Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.</i>	BB	FL-5430B		94.00	.160	12.5:1 Comp. 65.2700.400	12.5:1 Comp. 4795M09450	3720XP	12.5:1 Comp. CPM3003	12.5:1 Comp. 8563D400	940XSY	12:1 Comp. 183051	Top End C7963 (95mm)		Cylinder Works Plated Bore <b>41001</b> (434cc 94mm) Iron Bore <b>41001SL</b> (94mm) Iron Bore <b>41001-96SL</b> (453cc, 96mm) L.A. SLEEVE Complete Kit <b>LAS-41001</b> (434cc, 94mm) Cylinder Works Complete Kit <b>41001-K01</b> (434cc, 94mm) L.A. SLEEVE Complete Kit <b>LAS-5430K2</b> (453cc, 96mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S	Valve Guide IN / EX 60-60060 O/S +.001 60-60061	Hot Cams Camshaft 2249-11N (Intake) 2250-1E (Exhaust)	CC-3403	HR4059 Stroker HR4259 +4mm (460cc) @94mm	Pro-X 04921 Carillo CR04203 (H-Beam)	6306RI Bearing / Seal Kit <b>49K049</b>	Friction Kit 634028 Steel 634517 Basket 31-252 Clutch Spring Kit GSKP-019					K&N Filters Oil Filter KN-139 Air Filter KN-4002 Power Lid KN-4002T			
				94.50	.180			13.5:1 Comp. 4796M09450	3720XP	12.5:1 Comp. CPM3004			13:1 Comp. 243651	C3138-EST (96mm)		Intake O/S Valve +1mm 60-60051 Exhaust O/S Valve +1mm 60-60054 Valve Springs 60-60045	Valve Seat Intake 10-SB375 Exhaust 10-SB320			Stroker HR4159 +5mm (430cc) (Must use stroker piston)											
				95.00	.200		65.2700.500							Top End GS5430 (97mm)																	
				95.50	.220		65.2700.550																								
				96.50	.260								JE5430PS JE5430P2	12:1 Comp.																	
<b>KFX-450R 2008-13</b> 449cc Liquid Cooled 96mm 3.780"  <i>Resleeving required for oversizes</i>	AC	KA-5675	5675K	96.00	Std.	12.5:1 Comp. 65.2850A	12.5:1 Comp. 4973M09600	9600ZV	13:1 Comp. CPM4027	12:1 Comp. 8773DA		12.8:1 Comp. 261971	Top End (08) C3201-EST (96mm)	Top End 35-0920	Athena <b>ATH-1009</b> (Std. 96mm)	Steel Intake 40-40562 Steel Exhaust 40-40566 Titanium Exhaust 28-44061 Valve Springs 40-40550	Valve Guide IN / EX 40-40570 O/S +.001 40-40571	Hot Cams Camshaft (Stage 2) 2093-21N (Intake) 2094-2E (Exhaust) (Stage 3) 2095-31N (Intake) 2096-3E (Exhaust)	CC-2706	HR4086 Stroker +3mm HR4186 (470cc)	Carillo CR04213 (H-Beam) Hot Rods HR8671		Friction Kit 614229 Steel 634517 Basket 31-295 Clutch Spring Kit GSKP-020	Hinson Hub/Plate Kit 31-267		K&N Filters Oil Filter KN-112 Air Filter KN-4508					
				98.00	.080	13.5:1 Comp. 65.2850.200	13.5:1 Comp. 4974M09600	9600ZV	13.5:1 Comp. CPM4026	13.5:1 Comp. 8709DA	960XSY	13.5:1 Comp. 261972 261551	C3202-EST (98mm)	Complete w/oil seals 37-1920																	
				96.00	Std.	13.5:1 Comp. 65.2851A				13.8:1 Comp. CPM4025 (Full Race)			13.8:1 Comp. 261970 (Pro Series)	(09-13) C3268-EST (96mm) C3285-EST (98mm)																	

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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**KAWASAKI FOUR-STROKE (CONTINUED)**

MODEL Engine Description Cylinder I.D. (mm/in.)	SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END										VALVE TRAIN				BOTTOM END				CLUTCH		FILTERS								
					PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET		CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE					
<b>KFX-450R 2008-13</b> Big Bore to 480cc 99mm 3.898" 480cc 100mm 3.939" 488cc  Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.	BB	KA-5675B	99.00 100.00	.120 .160		13:1 Comp. 65.2850.300							13:1 Comp. 261975 261976	Top End GS5675		Athena Complete Kit <b>ATH-010</b> (490cc)										HR4086  Stoker HR4186 +3mm 511cc @100mm							
<b>KVF-650 2002-03</b> Prairie 633cc Liquid Cooled V-Twin 80mm 3.150"	RS	KA-5508	80.00 80.50 81.00 82.00	Std. .020 .040 .080			11:1 Comp. 4782M08000 4782M08050 4782M08100 4782M08200	3150XC 3169XC 3186XC 3228XC						Top End C7981-EST  C7982-EST (83mm)	Complete w/oil seals 37-1879		Intake 40-40412 Exhaust 40-40416  Valve Springs 345-K	Valve Guide IN / EX 40-40420  O/S +.001 40-40421	Hot Cams Camshaft 2031-1S (Mudbuster) 2036-1S (Stage 2)														
<b>KVF-650 2002-03</b> Prairie Big Bore to 750cc 87mm 3.425"	BB	KA-5526B	87.00	.275									11:1 Comp. 221786	Top End GS5526						Hot Cams Camshaft 2031-1S (Mudbuster) 2036-1S (Stage 2)													
<b>Brute Force 2005-13</b> 650 4x4i 633cc Liquid Cooled V-Twin 80mm 3.150"	AC	KA-5676	80.00	Std.			11:1 Comp. 4782M08000	3150XC						Top End C7981-EST	Top End 35-0879  35-0953 (4x4i)  Complete w/oil seals 37-1879  37-1953 (4x4i)		Intake 40-40412 Exhaust 40-40416  Valve Springs 40-40400	Valve Guide IN / EX 40-40420  O/S +.001 40-40421	Hot Cams Camshaft (Stage 1) 2031-1S <b>(05)</b>  2036-1S (Stage 1) <b>(06-13)</b>												K&N Filters Oil Filter KN-204  Air Filter KN-6503		
<b>KFX-700 2004-10</b> <b>Prairie 700 2004-06</b> 697cc Liquid Cooled Twin 82mm 3.228"	RS	KA-5526	82.00 82.50 83.00 83.50 84.00	Std. .020 .040 .060 .080			11.5:1 Comp. 4896M08200	3228XC	11:1 Comp. CPM3012 12:1 Comp. CPM3022	11:1 Comp. 8679DA 8679D050 8679D100 8679D150 8679D200	820XSY 825XSY 830XSY 835XSY 840XSY	11:1 Comp. 221787	Top End C7982-EST (83mm)  C3125-EST (84mm)	Complete w/oil seals 37-1880		Intake 40-40412 Exhaust 40-40416  Valve Springs 40-40400	Valve Guide IN / EX 40-40420  O/S +.001 40-40421	Hot Cams Camshaft 2036-1S (Stage 1)													K&N Filters Oil Filter KN-204  Air Filter KN-6503		
<b>KFX-700 2004-10</b> <b>Prairie 700 2004-06</b> Big Bore to 749cc, 784cc 85mm 3.346" 749cc 87mm 3.425" 797cc	BB	KA-5526B	85.00 87.00	.120 .275					12.5:1 Comp. CPM3013			11:1 Comp. 221786	Top End GS5526			Intake 40-40412 Exhaust 40-40416  Valve Springs 40-40400	Valve Guide IN / EX 40-40420  O/S +.001 40-40421																
<b>Brute Force 750 2005-13</b> <b>Teryx 750 4x4 2008-13</b> 749cc Liquid Cooled V-Twin 85mm 3.346"  Resleeving required for oversizes	AC	KA-5592	85.00 87.00	Std. .080		9:1 Comp. 65.2900A	11.5:1 Comp. 4897M08500 4897M08700	3347XC 3425XC	11:1 Comp. CPM3027			11.5:1 Comp. 274191	Top End C3284-EST	Top End 35-0881	Complete w/oil seals 37-1881		Intake 40-40412 Exhaust 40-40416 Valve Springs 40-40400	Valve Guide IN / EX 40-40420  O/S +.001 40-40421	Hot Cams Camshaft 2036-1S (Stage 1)												K&N Filters Teryx Oil Filter KN-204 Air Filter KN-7508		
<b>Brute Force 2005-13</b> 750 <b>Teryx 750 2008-13</b> 4x4 Big Bore to 840cc 90mm 3.543"	BB	KA-5592B	90.00	.200					11:1 Comp. CPM3060			11.5:1 Comp. 274192	Top End C3251-EST						Hot Cams Camshaft 2036-1S (Stage 1)														

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KYMCO  
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SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.







**MODEL**  
Engine Description  
Cylinder Bore (mm/in.)



**POLARIS TWO-STROKE**

		TOP END											BOTTOM END					CLUTCH						
		SLEEVE	REBUILD KIT Sleeve • Piston Gasket • T.E. Bearing	BORE SIZE (mm)	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	WOSSNER RING	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS
Sportsman 90 2001-06	FL-5596			52.00	Std.			839M05200	2047CD					Top End 35-0840										
Scrambler 90 2001-05				52.50	.020			839M05250	2067CD															
Predator 90 2001-06				53.00	.040			839M05300	2087CD															
89cc Single 52mm 2.047"				53.50	.060			839M05350	2106CD															
<b>244 1985</b>	CI FL-931	931K												Top End C7124	Top End 35-0806		Hot Rods HR8145							
244cc Single 72mm 2.834"				72.00	Std.			536M07200	2835CD	8094DA	RDB7200	T.E. Bearing 01251												
				72.50	.020			536M07250	2854CD	8094D050	RDB7250													
<b>250</b>	CI FL-5168	5168K						536M07300	2874CD	8094D100	RDB7300		Top End C7124	Top End 35-0806		Hot Rods HR8145								K&N Filters Air Filter KN-1004 (01-06)
Trail Boss 1986-99				73.00	.040			536M07350	2894CD	8094D150	RDB7350													
Trail Blazer 1990-06				73.50	.060			536M07400	2913CD	8094D200	RDB7400			Complete w/oil seals 37-1806										
Xplorer 4x4 2000-02				74.00	.080																			
244cc Air Cooled 72mm 2.834"																								
<b>300L 1994-99</b>	CI FL-5273	5273K						721M07450	2933TD	8095DA	RDC7450	T.E. Bearing 01251		Top End C7310	Top End 35-0807		Hot Rods HR8145							K&N Filters Air Filter KN-1001 (97-99)
Xplorer 300				74.50	Std.			721M07500	2953TD	8095D050	RDC7500													
Xpress 300				75.00	.040			721M07550	2973TD	8095D100	RDC7550													
283cc Single 74.5mm 2.933"				75.50	.060			721M07600	2992TD	8095D150	RDC7600			Complete w/oil seals 37-1807										
				76.00	.080			721M07650	3012TD	8095D200	RDC7650													
				76.50	.080																			
<b>350L 1990-94</b>	CI FL-5171	5171K						639M08000	3150TD			T.E. Bearing 01401		Top End C7144		Hot Rods HR8146		6232C3						
Trail Boss				80.00	Std.			639M08050	3169TD															
352cc Liquid Cooled				80.50	.020			639M08100	3189TD															
				81.00	.040			639M08150	3209TD															
				81.50	.060			639M08200	3228TD															
				82.00	.080																			
<b>400L 1994-03</b>	CI FL-5274	5274K						675M08300	3268TD	8097DA	RDC8300	T.E. Bearing 01401		Top End C7265	Top End 35-0808		Hot Rods HR8146		6232C3					K&N Filters Air Filter KN-1001 (94-98)
Xplorer 400,				83.00	Std.			675M08325	3278TD															
Scrambler 400				83.25	.010			675M08350	3287TD	8097D050	RDC8350													
Sport 400,				83.50	.020			675M08400	3307TD	8097D100	RDC8400													
Trail Blazer				84.00	.040			675M08450	3327TD	8097D150	RDC8450													
378cc Liquid Cooled 83mm 3.268"				84.50	.060			675M08500	3347TD	8097D200	RDC8500			Complete w/oil seals 37-1808										
				85.00	.080																			

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KYMCO  
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YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.





**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**POLARIS FOUR-STROKE (CONTINUED)**

		TOP END											VALVE TRAIN				BOTTOM END				CLUTCH										
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS		
<b>500 H.O. 1997-13</b> <b>Sportsman, Scrambler, Magnum, Ranger 4x4 2006-13</b> 499cc Liquid Cooled 92mm 3.622"	CI FL-5368			92.00 92.50 93.00	Std. .020 .040			10.2:1 Comp. 4677M09200 4677M09250 4677M09300	3622XC 3642XC 3661XC		8691DA 8691D050 8691D100	920XSY 925XSY 930XSY		Top End C7312 (thru 05)	Top End thru 2010 Sportsman Scrambler 35-0830  (06-12) H.O. EFI X2 35-0903		Intake 82-82005 Exhaust 82-82008  Valve Springs 82-82000		Hot Cams Camshaft 5426-1 (Stage 1)  5427-2 (Stage 2)												
<b>Predator 2003-07 500</b> <b>Outlaw 500 2006-07</b> <b>ATP 500 2005</b> 499cc Liquid Cooled 99.2mm 3.905"	AC FL-5564			99.20	Std.			12.5:1 Comp. 4807M09920	3905XK		12.5:1 Comp. 8692DA	992XSY	12.5:1 Comp. 221843	Top End C7971 (100mm)	Top End 35-0876		Intake 82-82052 Exhaust 82-82055  Valve Springs 82-82012	Valve Guide IN / EX 82-82030  O/S +.001 82-82031	Hot Cams Camshaft 5045-1IN (Intake) 5046-1E (Exhaust)  Shim Kit HCSHIM02 (9.48mm)						Basket 31-095 (Predator)		K&N Filters Oil Filter KN-112  Air Filter KN-5003				
<b>Big Bore to 560cc</b> 105mm 4.125"	BB FL-5564B			105.00	.230			4914M10483	4127GFX		8692D580	1050XSU	222388	C7996 (105mm)																	
<b>Outlaw 525 2007-09</b> <b>KTM Engine</b> 510cc Single Liquid Cooled 95mm 3.740"	AC FL-5437			95.00 97.00	Std. .080	11:1 Comp. 6520A		11:1 Comp. 4731M09500 4731M09700	9500ZS 9700ZS	12:1 Comp. CPM9011	11:1 Comp. 8547DA 8547D200	950XSY 970XSY	12.5:1 Comp. 274173	Top End C7944 (95mm) C7691 (97mm)	Top End 35-6528		Intake 28-65202 Exhaust 28-65201  Valve Springs 96-96000	Valve Guide Intake 96-96010  O/S +.001 96-96011  Exhaust 96-96020  O/S +.001 96-96021	Hot Cams Camshaft 3015-1		Pro-X 04925  Hot Rods HR8666	NJ206		Clutch Spring Kit CSKP-041	Hinson Inner Hub 31-254	K&N Filters Oil Filter KN-155 (1st) KN-157 (2nd)  Air Filter KN-5207					
<b>Outlaw 525 2007-09</b> <b>Big Bore to 565cc</b> 100mm 3.937"	BB FL-5437B			100.00	.200						8583DA	1000XSY																			
<b>XP 550 Sportsman 2009-13</b> 549cc Single Liquid Cooled 96.6mm 3.803"	CI FL-5381																														
<b>570 Ranger RZR 2012-13</b> 567cc Single Liquid Cooled 99mm 3.937"	CI FL-5768																														
<b>Sportsman 600 2003-05</b> 597cc V-Twin Liquid Cooled 76.5mm 3.012"	FL-5510																														
<b>Sportsman 700 2002-08</b> <b>Ranger 700 2007-09</b> 683cc Twin Liquid Cooled 80mm 3.150"	AC FL-5511														Top End (04-09) 35-0945																
<b>800 RZR Sportsman 2005-13</b> <b>Ranger 800 RZR 2008-13</b> 760cc Twin Liquid Cooled 80mm 3.150"	AC FL-5594			80.00 82.00	Std. .080					11:1 Comp. CPM9016 CPM9019			10.75:1 Comp. 274203 274206	Top End C3250	Top End 35-0945		(08-13) Intake 82-82212 Exhaust 82-82216 Valve Springs 82-82200	(08-13) Valve Guide Intake 82-82220  Exhaust 82-82230		HR4091	Hot Rods HR8678							K&N Filters Oil Filter KN-198  Air Filter KN-8007			
<b>Resleeving required for oversizes</b>				80.00	Std. .080					12:1 Comp. CPM9017			12:1 Comp. 274204 274207																		
<b>Resleeving required for oversizes</b>				80.00	Std.					12.5:1 Comp. CPM9018																					

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KYMCO  
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ACCESSORIES  
TECH.





**MODEL**  
Engine Description  
Cylinder Bore (mm/in.)



**SUZUKI TWO-STROKE**

		TOP END										BOTTOM END					CLUTCH							
		SLEEVE	REBUILD KIT Sleeve • Piston Gasket • T.E. Bearing	BORE SIZE (mm)	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	WOSSNER RING	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS
<b>LT-50</b> 49cc 41mm	<b>2002-05</b> 1.614"	CC	<b>FL-5492</b>	41.00 41.50 42.00 43.00	Std. .020 .040 .080	01.3001 01.3001.50 01.3001.100		826M04100 826M04150 826M04200 826M04300	1614CD 1634CD 1654CD 1693CD					Top End 35-0850										
<b>QuadSport LT-80</b> All Years 82cc 50mm	1.968"	RS	<b>FL-5369</b>	50.00 50.25 50.50 51.00 51.50 52.00	Std. .010 .020 .040 .060 .080	5210 5212 5214 5216	673M05000 673M05025 673M05050 673M05100 673M05150 673M05200	1969CD 1979CD 1988CD 2008CD 2028CD 2047CD				T.E. Bearing 01215		Top End C7259	Top End 35-0849	Pro-X 04932	39-4932	6204C3 094397	Bearing / Seal Kit <b>494397</b>					K&N Filters Air Filter KN-8087
<b>QuadSport LT-80</b> All Years Big Bore to 105cc 54mm	2.125" Case & Head Mod. Required		<b>FL-5369B</b>	54.00 54.25 54.50	Std. .010 .020		PX5369PS PX5369P1 PX5369P2							Top End GS5369	Pro-X 04932	39-4932	6204C3 094397	Bearing / Seal Kit <b>494397</b>						
<b>LT-250RF</b> 247cc Liquid Cooled 70mm	1985 2.756"	CI	<b>FL-942</b>	942K 70.00 70.50 71.00 71.50 72.00	Std. .020 .040 .060 .080		534M07000 534M07050 534M07100 534M07150 534M07200	2756CD 2776CD 2795CD 2815CD 2835CD				T.E. Bearing 01401		Top End C7070	Complete w/oil seals 37-1834				Left 6232C3 Right 6206C3	094130				K&N Filters Air Filter KN-4250S
	<i>Special Heavy O.D. to repair broken cylinder skirt.</i>	CS	<b>FL-942H</b>																Bearing / Seal Kit <b>494130</b>					
<b>LT-250RG</b> 247cc Liquid Cooled 70mm	1986 2.756"	CI	<b>FL-988</b>	988K 70.00 70.50 71.00 71.50 72.00	Std. .020 .040 .060 .080		534M07000 534M07050 534M07100 534M07150 534M07200	2756CD 2776CD 2795CD 2815CD 2835CD				T.E. Bearing 01401		Top End C7070	Complete w/oil seals 37-1834				Left 6232C3 Right 6206C3	094130				K&N Filters Air Filter KN-4250S
	<i>Special Heavy O.D. to repair broken cylinder skirt.</i>	CS	<b>FL-988H</b>																Bearing / Seal Kit <b>494130</b>					
<b>LT-250RH</b> 246cc Liquid Cooled 67mm	1987 2.637"	CS	<b>FL-5020</b>	5020K 67.00 68.00 69.00	Std. .040 .080		552M06700 552M06800 552M06900	2638CD 2677CD 2717CD				T.E. Bearing 01401		Top End C7071	Complete w/oil seals 37-1822				Left 6232C3 Right 6206C3	094131	Friction Kit 633046			K&N Filters Air Filter KN-4250S
	<i>(Also to allow Big Bore to 265cc)</i>																		Bearing / Seal Kit <b>494131</b>					
<b>LT-250RJ, K, L, M, N</b> 246cc Liquid Cooled 67mm	1988-92 2.637"	CS	<b>FL-5064</b>	5064K 67.00 67.50 68.00 68.50 69.00	Std. .020 .040 .060 .080		571M06700 571M06750 571M06800 571M06850 571M06900	2638CD 2658CD 2677CD 2697CD 2717CD				T.E. Bearing 01401		Top End C7071	Complete w/oil seals 37-1822	HR4027	Hot Rods HR8164		Left 6232C3 Right 6206C3	094131	Friction Kit 633046			K&N Filters Air Filter KN-4250S
	<i>(Also to allow Big Bore to 265cc)</i>																		Bearing / Seal Kit <b>494131</b>					
<b>LT-500RH</b> 499cc Single Liquid Cooled 6 Stud 86mm	1987 3.386"	CI	<b>FL-5021</b>	5021K 86.00 86.50 87.00 87.50 88.00	Std. .020 .040 .060 .080		561M08600 561M08650 561M08700 561M08750 561M08800	3386TD 3405TD 3425TD 3445TD 3465TD				T.E. Bearing 01401		Top End C7072 (88mm) C7273 (89.5mm)	Complete w/oil seals 37-1835	Hot Rods HR8155		6306C3 094131	Bearing / Seal Kit <b>494132</b>	Friction Kit 633048 Basket 31-104				
	<i>Special Heavy O.D. to repair broken cylinder, also to allow Big Bore to 550cc</i>	CS	<b>FL-5021H</b>	5021K-1 88.50 89.00 89.50	.100 .120 .140		561M08850* 561M08900* 561M08950*	3484TD 3504TD 3524TD						C7125 (91mm)										
<b>LT-500RJ, K, L</b> 499cc Single Liquid Cooled 7 Stud 86mm	1988-90 3.386"	CI	<b>FL-5073</b>	5073K 86.00 86.50 87.00 87.50 88.00 88.50 89.00 89.50	Std. .020 .040 .060 .080 .100 .120 .140		561M08600 561M08650 561M08700 561M08750 561M08800 561M08850* 561M08900* 561M08950*	3386TD 3405TD 3425TD 3445TD 3465TD 3484TD 3504TD 3524TD				T.E. Bearing 01401		Top End C7073 (88mm) C7274 (89.5mm) C7122 (91mm)	Complete w/oil seals 37-1823	Hot Rods HR8155		6306C3 094131	Bearing / Seal Kit <b>494132</b>					
	<i>Special Heavy O.D. to repair broken cylinder, also to allow Big Bore to 550cc</i>	CS	<b>FL-5073H</b>	5073K-1																				

ARCTIC CAT  
CAN-AM  
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KAWASAKI  
KTM  
KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



SLEEVE			TOP END										VALVE TRAIN				BOTTOM END				CLUTCH			FILTERS
REBUILD KIT <i>Sleeve • Piston • Gasket</i>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	

### SUZUKI FOUR-STROKE

QuadSport 2006-09 Z50 49cc 36mm	1.417"	FL-5624																										
QuadSport 2007-09 Z90 90cc 45.5mm	1.791"	FL-5677																										
LT, ALT-125 1982-87 124cc 57mm	Single 2.244"	CI FL-753																									Left 6207C3 Right (83-84) 6328C3 Right (85-87) 6228C3	Friction Kit 632023
LT-160, LT-F160 158cc 58mm	Single 2.283"	CI FL-5085												(IN / EX Set) 07-206														
LT, ALT-185 1984-87 178cc 63mm	Single 2.480"	CI FL-865																								Left 6207C3 Right 6328C3	Friction Kit 632023	
LT-230 1985-94 229cc 66mm	Single 2.598"	CI FL-866	866K	66.00 66.50 67.00 67.50 68.00	Std. .020 .040 .060 .080	9.2:1 Comp. 2720 2722 2724	10.25:1 Comp. 4382M06600 4382M06650 4382M06700 4382M06750 4382M06800	2598XD 2618XD 2638XD 2658XD 2677XD			Top End C7074 (thru 1993)	Complete w/oil seals 37-1809 (thru 1993)		(IN / EX Set) 07-204	Hot Cams Camshaft 2066-1			Hot Rods HR8154								Left 6207C3 Right 6328C3 (85-88)		
LT-230 1985-94 Big Bore to 260cc 70mm	2.756"	CS FL-866B		70.00 71.00	Std. .040		W866PS W866P4	2756XA 2795XA			GS866				Hot Cams Camshaft 2066-1											Left 6207C3 Right 6328C3 (85-88)		
LT-250, E, F, G 249cc 72mm	Single 2.834"	RS FL-754																										
LT-4WD 1987-13 Quadrunner 250 LTF-250, LT-F4WD, LT-F250F Ozark 250, Z250 246cc 66mm	Single 2.598"	CI FL-5019		66.00 66.50 67.00 67.50 68.00	Std. .020 .040 .060 .080	9.2:1 Comp. 2720 2722 2724	10.25:1 Comp. 4382M06600 4382M06650 4382M06700 4382M06750 4382M06800	2598XD 2618XD 2638XD 2658XD 2677XD			Top End C7260 (88-01)	Top End 35-0886 (02-12)		(IN / EX Set) 07-205 (87-98)	Hot Cams Camshaft 2066-1											Left 6207C3 Right 6328C3		
LT-4WD X300 LT-F300F King Quad 1991-02 280cc 68.5mm	Single 2.697"	CI FL-5136		68.50 69.00 69.50	Std. .020 .040	8.5:1 Comp. 2730 2732 2734	8.9:1 Comp. 4673M06900 4673M06950	2717XC 2736XC			Top End C7314 (91-00)	Top End 35-0832  Complete w/oil seals 37-1832														Left 6207C3 Right 6328C3		
LT-300E 1987-89 Quadrunner 293cc 72mm	Single 2.835"	CI FL-5065												Top End C7459														
Eiger 400 2002-13 King Quad 400 376cc 82mm	Single 3.228"	CS FL-5512												Top End 35-0846													(IN / EX Set) 07-207 (02-13)	

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KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



TOP END													VALVE TRAIN				BOTTOM END				CLUTCH						
SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS

**SUZUKI FOUR-STROKE (CONTINUED)**

<b>QuadSport 2002-13 Z400</b> 398cc Liquid Cooled 90mm 3.543"  <i>Resleeving required for oversizes</i>	AC FL-5430	5430K	90.00	Std.	12.25:1 Comp. 5220A	12.2:1 Comp. 65.4855A	12.25:1 Comp. 4713M09000	3543XR	12.5:1 Comp. CPM4028	12.25:1 Comp. 8563DA	900XSY	12:1 Comp. 180297		Top End C7978-EST (92mm)	Top End 35-3402	Cylinder Works <b>40001</b> (Std. 90mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S	Valve Guide IN / EX 60-60060	Hot Cams Camshaft Stage 1 2249-1IN (Intake)	CC-3403	HR4059	Pro-X 04921	6306RI	Bearing / Seal Kit <b>49K049</b>	Friction Kit 634028		K&N Filters Oil Filter KN-139		
			90.01	Std.	5220B	65.4855B	4713M09200	3622XR		8563DB	900XSY	199657		C7979-EST (94mm)	Complete w/oil seals 37-3402 (02-08)	Cylinder Works Complete Kit <b>40001-K01</b> (Std. 90mm)	Intake 28-3402S	Valve Seat 60-60061	2250-1E (Exhaust)	Stroker HR4259 424cc	Carillo CR04203 (H-Beam)			Steel 634517		Air Filter KN-4002			
			91.00	.040	5224	65.4855.100	4713M09200	3622XR			8563DB	900XSY				Intake O/S Valve + 1mm 60-60051	Valve Seat Intake 10-SB375	2250-1E (Exhaust)	Stroker +5mm HR4159 (must use stroker piston)						Basket 31-252		Clutch Spring Kit CSKP-019		Power Lid KN-4002T
92.00	.080	5224	65.4855.100	4713M09200	3622XR				8563DB	900XSY				37-1933 (09-13)		Exhaust O/S Valve + 1mm 60-60054	Exhaust 10-SB320	2252-2E (Exhaust)											
			90.00	Std.	13.5:1 Comp. 5220E	13.5:1 Comp. 65.4856A	4714M09000	3543XR		13.5:1 Comp. 8567DA	900XSY						Valve Springs 60-60060	Shim Kit HCSHIM02 (9.48mm)											
			90.00	Std.	Hot Rods Stroker Piston P5001 P6001																								
			92.00	.080																									
<b>QuadSport 2002-13 Z400 Big Bore</b> 434cc to 456cc 94mm 3.700" 434cc 94.00mm 440cc 94.50mm 443cc 95.00mm 450cc 95.50mm 453cc 96.00mm 456cc 96.50mm  <i>Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.</i>	BB FL-5430B		94.00	.160		12:1 Comp. 65.4855.400	12.5:1 Comp. 4795M09450	3720XP	12.5:1 Comp. CPM3003	12.5:1 Comp. 8563D400	940XSY	12:1 Comp. 183051		Top End C7963 (95mm)		Cylinder Works Plated Bore <b>41001</b> (434cc 94mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S	Valve Guide IN / EX 60-60060	Hot Cams Camshaft Stage 1 2249-1IN (Intake)	CC-3403	HR4059	Pro-X 04921	6306RI	Bearing / Seal Kit <b>49K049</b>	Friction Kit 634028		K&N Filters Oil Filter KN-139		
			94.50	.180			4795M09450	3720XP	12.5:1 Comp. CPM3004	12:1 Comp. 8563D550			13:1 Comp. 243651				Iron Bore <b>41001SL</b> (94mm)	Intake 28-3402S	Valve Seat 60-60061	2250-1E (Exhaust)	Stroker HR4259 +4mm, 460cc 94mm	Carillo CR04203 (H-Beam)			Steel 634517		Air Filter KN-4002		
			95.00	.200										12:1 Comp. 183051			Iron Bore <b>41001SL</b> (94mm)	Intake O/S Valve + 1mm 60-60051	Valve Seat Intake 10-SB375	2250-1E (Exhaust)					Basket 31-252		Power Lid KN-4002T		
			95.50	.220										12:1 Comp. 183051			Iron Bore <b>41001-96SL</b> (453cc, 96mm)	Exhaust O/S Valve + 1mm 60-60054	Exhaust 10-SB320	2252-2E (Exhaust)									
			94.50	.180		12:1 Comp. 65.4855.600	13.5:1 Comp. 4796M09450	3720XP						12:1 Comp. 183051			L.A. SLEEVE Complete Kit <b>LAS-41001</b> (434cc, 94mm)	Valve Springs 60-60060			Shim Kit HCSHIM02 (9.48mm)								
			96.00	.240								12:1 Comp. 183051			Cylinder Works Complete Kit <b>41001-K01</b> (434cc, 94mm)														
			96.50	.260								12:1 Comp. 183051			L.A. SLEEVE Complete Kit <b>LAS-5430K2</b> (453cc, 96mm)														
<b>King Quad 450 2007-09</b> 454cc Single Liquid Cooled 84mm 3.307"	AC FL-5678																												
<b>Quad Racer 2006-09 LT-R450</b> 449cc Single Liquid Cooled 95.5mm 3.760"  <i>Resleeving required for oversizes</i>	AC FL-5625	5625K	95.50	Std.	11.7:1 Comp. 01.3406A		11.7:1 Comp. 4911M09550		13:1 Comp. CPM4010A	11.7:1 Comp. 8667DA	955XSY	12.8:1 Comp. 252743		Top End C3208-EST (96mm)	Complete w/oil seals 37-1916 (06-08)	Cylinder Works Plated Bore <b>40002</b> (Std. 95.5mm)	Intake Titanium 28-34062	Valve Guide Intake 60-60290	Hot Cam Camshaft Intake 2072-1IN Exhaust 2073-1E	CC-2706	HR4076	Hot Rods HR8648	Bearing / Seal Kit <b>49K051</b>	Friction Kit 634058	Hinson Hub/Plate Kit 31-238 (06-07)	K&N Filters Oil Filter KN-139			
			98.00	.100			4911M09800		13.5:1 Comp. CPM4011A	12.5:1 Comp. 8699DA	955XSY	13.5:1 252742			C3157-EST (98mm)	Cylinder Works Complete Kit <b>40002-K01</b> (Std. 95.5mm)	Exhaust Titanium 28-34061 (06-07)	O/S +.001 60-60291	60-60291	Shim Kit HCSHIM02 (9.48mm)	Stroker +3mm HR4176 (471cc)	Carrillo CR04212 (A-Beam)			Basket 31-268	31-338 (08-09)	Air Filter KN-4506		
			95.50	Std.			4912M09550									C3158-EST (101mm)		Steel Intake 60-60310	Exhaust 60-60300	O/S +.001 60-60301									
			95.50	Std.					13.75:1 Comp. CPM4015A (Full Race)							Steel Exhaust 60-60313	Valve Springs 60-60280	Valve Seat Intake 10-SB375 Exhaust 10-SB320											

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KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.







**MODEL**  
Engine Description  
Cylinder Bore (mm/in.)



**YAMAHA TWO-STROKE**

SLEEVE		REBUILD KIT <small>Sleeve • Piston Gasket • T.E. Bearing</small>		BORE SIZE (mm)		PISTON SIZE		TOP END						BOTTOM END					CLUTCH				FILTERS		
PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	WOSSNER RING	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY <small>Rod Kit • Bearings • Seals</small>	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS							
<b>YFS-200 1988-06</b> Blaster 195cc Single 66mm 2.598"  <i>Special Heavy O.D. to repair broken cylinder skirt.</i>	CI	YA-5035	5035K	66.00	Std.	4170	65.5301A	573M06600	2598CD	8101DA	RDB6600	T.E. Bearing 01201		Top End C7093	Top End 35-2280	Stock <b>HR4005</b>	Pro-X 04963	39-4963	Left (Ignition) 83A915 Right (Drive) 6305RI	094963	Friction Kit 621047 Hinson Basket 31-113		K&N Filter Air Filter KN-2088		
				66.25	.010	4171	65.5301.025	573M06625	2608CD																
				66.50	.020	4172	65.5301.050	573M06650	2618CD																
				66.75	.030	4173		573M06675	2628CD																
<b>YFS-200 1988-06</b> Blaster Big Bore to 240cc 72mm 2.835"  <i>(Head Modification Required)</i>	CS	YA-5035H	5035K-1	67.00	.040	4174	65.5301.100	573M06700	2638CD	8101D100	RDB6700														
				67.25	.050	4176	65.5301.150	573M06725	2648CD																
				67.50	.060	4177		573M06750	2658CD																
				67.75	.070	4178	65.5301.200	573M06775	2668CD																
<b>Tri-Z 250N 1985-89</b> (No.38W) 246cc Liquid Cooled 68mm 2.677"  <i>(Head Modification Required)</i>	CS	YA-879	879K	68.00	Std.			515M06800	2677CD			T.E. Bearing 01251		Top End C7153			Pro-X 04981	39-4981			Friction Kit 623047 Hinson Basket 31-113				
				68.50	.020			515M06850	2697CD																
				69.00	.040			515M06900	2717CD																
				70.00	.080			515M07000	2756CD																
<b>YFZ-350 1987-06</b> Banshee 347cc Twin Liquid Cooled 64mm 2.520"  <i>Special Heavy O.D. to repair broken cylinder skirt.</i>	CI	YA-5023	5023K	64.00	Std.	4190	65.5305A	513M06400	2520CD	8075DA	RDB6400	T.E. Bearing 01201		Top End C7094	Top End 35-2019	Stock <b>HR4001</b>	Pro-X 04913	39-4958	Pinned Left, Center 83464A	094958	Friction Kit 620207 Hinson Basket 31-016		K&N Filter Air Filter KN-3502		
				64.25	.010	4191		513M06425	2530CD																
				64.50	.020	4192	65.5305.050	513M06450	2539CD		8075D050	RDB6450													
				64.75	.030	4193		513M06450	2549CD																
				65.00	.040	4194	65.5305.100	513M06475	2559CD		8075D100	RDB6500													
				65.25	.050	4195		513M06525	2569CD																
				65.50	.060	4196	65.5305.150	513M06550	2679CD		8075D150	RDB6550													
				65.75	.070	4197		513M06600	2698CD																
				66.00	.080	4198	65.5305.200	513M06625	2608CD		8075D200	RDB6600													
				66.25	.090			513M06650	2618CD																
<b>YFZ-350 1987-06</b> Banshee Big Bore to 409cc 68mm 2.677"  <i>(Head Modification required, alternate: PRO-DESIGN Head, Part No.CH5023)</i>	CS	YA-5023H		64.00	Std.	P1001																			
				64.50	.020	P1002																			
				65.00	.040	P1003																			
				65.50	.060	P1004																			
				66.00	.080	P1005																			
				66.50	.100	P1006																			
				64.00	Std.	P1001																			
				64.50	.020	P1002																			
				65.00	.040	P1003																			
				65.50	.060	P1004																			
<b>YFZ-350 1987-06</b> Banshee Big Bore to 409cc 68mm 2.677"  <i>(Head Modification required, alternate: PRO-DESIGN Head, Part No.CH5023)</i>	CS	YA-5023B		68.00	Std.		W5023PS					T.E. Bearing 01201		Top End GS5023			Pro-X 04913	39-4958	Pinned Left, Center 83464A	094958	Friction Kit 620207 Hinson Basket 31-016				
				68.25	.010		W5023P1																		
				68.50	.020		W5023P2																		
				69.00	.040		W5023P4																		
			69.50	.060		W5023P6																			

ARCTIC CAT CAN-AM HONDA KAWASAKI KTM KYMCO POLARIS SUZUKI YAMAHA BIG BORE ACCESSORIES TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**YAMAHA FOUR-STROKE**

		TOP END											VALVE TRAIN				BOTTOM END				CLUTCH											
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS			
<b>Raptor 50 2004-08</b> 49cc 39mm 1.535"	CI	YA-5563															Top End 35-0878															
<b>YFM-80, 1985-08</b> <b>Moto-4, Badger,</b> <b>Raptor 80, Grizzly</b> 79cc 47mm 1.850"	CI	YA-941		47.00 47.50 48.00 50.00	Std. .020 .040 .120		9.6:1 Comp. 2810 2812 2814	11:1 Comp. 4841M04700 4841M04750 4841M04800 4841M05000	1850XE 1870XE 1890XE 1969XE								Top End 35-0851  Complete w/oil seals 37-1851													K&N Filter Air Filter KN-8002		
<b>Raptor 90 2009-13</b> 88cc 47mm 1.850"	CI	YA-5691																														
<b>YFM-100 1987-91</b> <b>Champ</b> 98cc 49mm 1.929"	CI	YA-5022																												6304C3		
<b>YFA 125 2005-12</b> <b>Grizzly 125</b> <b>Breeze 125 1989-05</b> 124cc 49mm 1.929"	CI	YA-5230															Top End 35-0885  Complete w/oil seals 37-1885															
<b>Raptor 125 2012-13</b> 124cc 54mm 2.124"	RS	YA-5426		54.00 54.50 55.00	Std. .020 .040			11:1 Comp. 40068M05400 40068M05450 40068M05500	2126XE 2146XE 2165XE								Top End 35-0640															
<b>Raptor 125 2012-13</b> <b>Big Bore to 145cc</b> 58mm 2.283" <i>Complete Cylinder Kit Includes Cylinder, Piston Kit and T.E Gaskets</i>	BB	YA-5426B		58.00	.160	J5426PS											GS5426	L.A. SLEEVE Complete Kit <b>NIKS4144</b> 145cc, 58mm														
<b>Tri-Moto 200, 1984-91</b> <b>YTM-200L</b> <b>YFM-200</b> 196cc 67mm 2.638"	CI	YA-762	762K (85-89)	67.00 67.50 68.00	Std. .020 .040		9:1 Comp. 2820 2822 2824	10.25:1 Comp. 4292M06700 4292M06750 4292M06800	2638XC 2658XC 2677XC					Top End C7095 (85-89)																Pro-X 32320	Friction Kit 621035	
<b>BW-200N 1985-90</b> 196cc 67mm 2.638"	RS	YA-762																													Pro-X 32320	Friction Kit 621035
<b>Tri-Moto 225, 1984-89</b> <b>YTM-225, YFM-225</b> 223cc 70mm 2.756"	RS	YA-812	812K	70.00 70.50 71.00	Std. .020 .040		9.5:1 Comp. 2830 2832 2834	10.25:1 Comp. 4312M07000 4312M07050 4312M07100	2756XC 2776XC 2795XC					C7253 (YFM 86-88)																	Pro-X 32325	Friction Kit 621035
<b>YFB-250 1990-00</b> <b>Timberwolf</b> <b>YFM-250 1999-04</b> <b>Bear Tracker</b> <b>Big Bear 250 2007-09</b> <b>Bruin 250 2005-06</b> 229cc 71mm 2.795"	RS	YA-5101		71.00 71.50 72.00 72.50 73.00	Std. .020 .040 .060 .080			8.7:1 Comp. 4675M07100 4675M07150 4675M07200 (thru 2002)	2795XC 2815XC 2835XC		8.7:1 Comp. 8659DA 8659D050 8659D100 8659D150 8659D200 (thru 2002)	710XDS 715XDS 720XDS 725XDS 730XDS		Top End C7254	Top End 35-0824	L.A. SLEEVE Rebuilt Cyl. <b>5101RC</b> (Exchange)																Friction Kit 621035

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KTM  
KYMCO  
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ACCESSORIES  
TECH.



**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**YAMAHA FOUR-STROKE (CONTINUED)**

MODEL Engine Description Cylinder I.D. (mm/in.)	SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END										VALVE TRAIN				BOTTOM END				CLUTCH			FILTERS				
					PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET		CLUTCH INNER HUB	PRESSURE PLATE		
<b>Raptor 250 2008-13</b> 249cc Single 74mm 2.913"	AC	YA-5679	5679K	74.00 76.00	Std. .080	10.5:1 Comp. 65.6800A 65.6800.200	10.5:1 Comp. 4951M07400	2913XA	11:1 Comp. CPM1060			10.5:1 Comp. 274194 274195	Top End C3223-EST (74mm)	Top End 35-0924	L.A. SLEEVE Rebuilt Cyl. <b>5679RC</b> (Exchange)	Intake 80-80562 Exhaust 80-80566	Valve Guide Intake 80-80570 Exhaust 80-80572	Hot Cams Camshaft 4137-1 (Stage 1)	CC-1323	HR4090 Stroker +4mm HR4190 (266cc)	Hot Rods HR8676			Bearing / Seal Kit <b>49K059</b>	Friction Kit 622086			K&N Filter Oil Filter KN-140		
<i>Resleeving required for oversizes</i>				74.00 76.00	Std. .080	12:1 Comp. 65.6801A 65.6801.200		2913XA 2992XA	12:1 Comp. CPM1061				C3224-EST (76mm)	Complete w/oil seals 37-1924		Valve Springs 80-80550	80-80572 4118-2 (Stage 2)								Steel Kit 622515			Air Filter KN-2088		
				74.00 76.00	Std. .080		13:1 Comp. 40078M07400 40078M07600		13:1 Comp. CPM1062								O/S +.002 80-80580								Clutch Spring Kit CSKP-031					
<b>Raptor 250 Big Bore</b> 270cc 77mm 277cc 78mm 283cc 80mm 300cc 81mm	BB	YA-5679B	77mm-78mm	77.00 78.00 80.00 81.00	.120 .160 .240 .280	13:1 Comp. 65.6801.400 65.6801.600	11:1 Comp. 4958M08100		11:1 Comp. CPM1063				Top End C3225-EST (78mm) C3226-EST (80mm) C3236-EST (81mm)					Hot Cams Camshaft 4138-1A (Stage1)		Stock HR4090  Stroker HR4190 296cc @78mm										
<b>Grizzly 300 2012-13</b> 287cc Liquid Cooled 75mm 2.952"																														
<b>YFM-350</b> <b>Grizzly 350 2007-13</b> <b>Raptor 350 2005-13</b> <b>Bruin 350 2004-06</b> <b>Wolverine 1995-09</b> <b>Warrior 1987-05</b> <b>Big Bear 1987-99</b> <b>BW-350 1987-88</b>  349cc Single 83mm 3.268"	RS	YA-5024	5024K	83.00 83.25 83.50 83.75 84.00 84.50 85.00	Std. .010 .020 .030 .040 .060 .080	9.2:1 Comp. 65.6810A 65.6810.025 65.6810.050 65.6810.075 65.6810.100	10.25:1 Comp. 4419M08300	3268XC				10.5:1 Comp. 222085 12:1 Comp. 209292	Top End C7096-EST (84mm)  C3159-EST (85mm)	Top End 35-2160		Intake 28-24872 Exhaust 28-24871  Valve Springs 80-8000	Valve Guide IN / EX 80-8010  O/S +.002 80-8012	Hot Cams Camshaft 4017-1 (Stage 1)  Raptor (07-13) 4114-1 (Stage 1)	CC-2487 (Raptor, Warrior)	HR4043	Hot Rods HR8605			Bearing / Seal Kit <b>49K239</b>	Friction Kit 620207 [Wolverine] 620197 [All Others]  Spring Kit CSKP-031 [Raptor]			K&N Filter Oil Filter Raptor Warrior KN-142  Air Filter Raptor KN-6602  Warrior KN-4350		
<b>Big Bore to 385cc</b> <b>Grizzly 350 2007-13</b> <b>Raptor 350 2005-13</b> <b>Bruin 350 2004-06</b> <b>Wolverine 1995-09</b> <b>Warrior 1987-05</b> <b>Big Bear 1987-99</b> <b>BW-350 1987-88</b> 87mm 3.425"	BB	YA-5024B		87.00	.157	10.5:1 Comp. J5024PS							GS5024					Hot Cams Camshaft 4017-1 (Stage 1)  Raptor (07-13) 4114-1 (Stage 1)												
<b>Kodiak 400 1993-99</b> <b>Big Bear 400 2000-12</b> 387cc Single 83mm 3.268"	RS	YA-5231	5231K	83.00 83.25 83.50 83.75 84.00 84.50	Std. .010 .020 .030 .040 .060	8.6:1 Comp. 65.6815A 65.6815.025 65.6815.050 65.6815.075 65.6815.100 65.6815.150	8.6:1 Comp. 4674M08300	3268XC					Top End C7096-EST (84mm)  C3159-EST (85mm)	Top End 35-2160  35-0898 (93-98)	L.A. SLEEVE Rebuilt Cyl. <b>5231RC</b> (Exchange)			Hot Cams Camshaft 4017-1 (Stage 1) (93-06)								Friction Kit 620207				
<b>Kodiak 400 1993-99</b> <b>Big Bear 400 2000-12</b> <b>Big Bore to 425cc</b> 87mm 3.425"	BB	YA-5231B		87.00	.157	10.5:1 Comp. J5231PS								GS5024																

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MODEL  
Engine Description  
Cylinder I.D. (mm/in.)

TOP END												VALVE TRAIN				BOTTOM END				CLUTCH			FILTERS			
SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB PRESSURE PLATE	FILTERS

**YAMAHA FOUR-STROKE (CONTINUED)**

<b>Kodiak 400 2000-06</b> <b>Grizzly 400 2007-08</b> 401cc Liquid Cooled 84.5mm 3.327" (No. 5GH)	RS	YA-5425		84.50 85.00 85.50	Std. .020 .040										Top End 35-0875														Top End 35-0875	L.A. SLEEVE Rebuilt Cyl. <b>5425RC</b> (Exchange)																											
															Complete w/oil seals 37-1875																																										
<b>Grizzly 450 2007-13</b> <b>Kodiak 450 2003-06</b> <b>Wolverine 450 2006-09</b> 421cc Liquid Cooled 84.5mm 3.327" (No. 5ND)	RS	YA-5513	5513K	84.50 85.00 85.50 86.50	Std. .020 .040 .080										Top End 35-0875																																										
															Complete w/oil seals 37-1875																																										
<b>Rhino 450 2006-09</b> 421cc Liquid Cooled 84.5mm 3.327"	RS	YA-5513	5513K	84.50 85.00 85.50 86.50	Std. .020 .040 .080										Top End 35-0875																																										
															Complete w/oil seals 37-1875																																										
<b>YFZ-450 2004-13</b> <b>(Cylinder No. 5TA)</b> 439cc, 449cc Liquid Cooled 95mm 3.740"  <i>Resleeving required for oversizes</i>  <i>Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.</i>	AC	YA-5495	5495K (04-05)  5495K-3 (06-09)	95.00 95.01 95.02	Std. Std. Std.	(04-05) 12:1 COMP. (06-13) 11.4:1 COMP.	(04-05) 12:1 COMP. (06-13) 11.4:1 COMP.	(04-05) 12.5:1 (06-13) 12.75:1	(04-05) 12:1 COMP. ** (06-13) 11.4:1 COMP.	*8601DA **8784DA	950XS 950XDS	247957		Top End C3066-EST (96mm)  C3445-EST (97mm)  GS5495 (98mm)	Top End 35-2434	Cylinder Works <b>20001</b> (Std. 95mm)	Intake 1X Titanium 28-24232 Steel	Valve Guides Intake 80-80220	Hot Cams Camshaft <b>(04-09)</b> 4023-1IN (Intake)	CC-2423	Hot Rods <b>(04-05)</b> HR4062	SX06C42	Bearing / Seal Kit <b>49K022</b>	Friction Kit 624358  Steel 623517	Hinson Inner Hub 31-198  Plate 31-212	K&N Filter Oil Filter KN-141  Air Filter KN-4504  Power Lid KN-4504T																															
															Complete w/oil seals 37-2434	Cylinder Works Complete Kit <b>20001-K01</b> (Std. 95mm)	Intake 2X Titanium 28-24233 Steel	O/S +.001 80-80221	4044-1E (Exhaust)	Stroker +1.4mm HR4073 (450cc)	Carrillo CR04035 (A-Beam)				Hinson Basket 31-213 <b>(04-06)</b>																																
																	<b>Big Bore</b> Cylinder Works Complete Kit <b>22001-K01</b> (468cc, 97mm)	Intake 2X Titanium 28-24233 Steel	O/S +.001 80-80230	Shim Kit HCSHIM02 (9.48mm)	Stroker +4.4mm HR4173 (471cc)	<b>(06-13)</b> Pro-X 04909			Hinson Basket 31-313 <b>(07-13)</b>																																
																	<b>Big Bore</b> Cylinder Works Complete Kit <b>23001-K01</b> (478cc, 98mm)	Exhaust 2X Titanium 28-24231 Steel	Valve Seat Intake 10-SB285	80-80231	Hot Rods HR8641																																				
																			Exhaust 28-24231 Steel	Valve Seat Intake 10-SB285	80-80231																																				
																			80-80217H Exhaust 10-SB305	Valve Springs 80-80206																																					
<b>YFZ-450 2004-13</b> <b>Big Bore to 480cc</b> 98mm 3.858"																																																									
<b>YFZ-450R 2009-13</b> <b>(Cylinder No. 2S2)</b> 449cc Liquid Cooled 95mm 3.740"  <i>Resleeving required for oversizes</i>  <i>Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.</i>	AC	YA-5627		95.00 95.01 95.02 96.00 97.00	Std. Std. Std. .040 .080	11.6:1 Comp. 11.6:1 Comp.	11.4:1 Comp.	12.75:1 Comp.	11.6:1 Comp.	950XDS	247957		Top End C7908-EST (95mm)  C3178-EST (98mm)  C3279-EST (99mm)	Top End 35-0944	Cylinder Works <b>20003</b> (Std. 95mm)	Intake 1X Titanium 28-24232 Steel	Valve Guides Intake 80-80220	Hot Cams Camshaft 4235-2IN (Intake)	CC-2429				Friction Kit 16.S24056  Steel 623517	Hinson Inner Hub 31-198  Plate 31-212																																	
															Complete w/oil seals 37-1944	Cylinder Works Complete Kit <b>20003-K02</b> (Std. 95mm)	Intake 2X Titanium 28-24233 Steel	O/S +.001 80-80221	4236-2E (Exhaust)	Shim Kit HCSHIM02 (9.48mm)				Hinson Basket 31-216 <b>(09-10)</b>																																	

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**MODEL**  
Engine Description  
Cylinder I.D. (mm/in.)



**YAMAHA FOUR-STROKE (CONTINUED)**

		TOP END												VALVE TRAIN				BOTTOM END				CLUTCH								
		SLEEVE	REBUILD KIT <small>Sleeve • Piston • Gasket</small>	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	WOSSNER RING	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE	FILTERS	
YFM-660 Raptor 2001-06 Grizzly 660 2002-08 Big Bore to 727cc 105mm 4.134"	BB YA-7018B			105.00	.196		12:1 Comp. 65.6821.500							Top End C7909-EST			Intake 28-26612 Exhaust 28-26611 Valve Springs 80-80030	Valve Guide Intake 80-80040 O/S +.001 80-80041 Exhaust 80-80050 O/S +.001 80-80051	Hot Cams Camshaft 4011-1 [Raptor] 4005-2 [Raptor] 4034-1 [Grizzly]		Pro-X 04938 (01) 04939 (02-08) Carrillo CR05374 (02-08) (H-Beam)	6307C3		Hinson Basket 31-069 Clutch Spring Kit CSKP-031	Hinson Plate 31-162					
Rhino 660 2005-08 660cc Single Liquid Cooled 100mm 3.937"	RS YA-7018			100.00 100.50 101.00 102.00	Std. .020 .040 .080	9.1:1 Comp. 4670 4672 4674	9.9:1 Comp. 65.6820A 65.6820.050 65.6820.100 65.6820.200				9.9:1 Comp. 8507DA 8507D100 8507D200	1000XSY 1010XSY 1020XSU	10:1 Comp. 261524 261527	Top End C7044-EST (100mm) C7798-EST (102mm)	Top End 35-0865 Complete w/oil seals 37-1865		Intake 28-26612 Exhaust 28-26611 Valve Springs 80-80030	Valve Guide Intake 80-80040 O/S +.001 80-80041 Exhaust 80-80050 O/S +.001 80-80051	Hot Cams Camshaft 4034-1 Mudbuster 4100-1 (Stage 1)	HR4080 Stroker +4mm HR4180 (691 cc)	Pro-X 04939 Carrillo CR05374 (05-08) (H-Beam)	6307C3	Clutch Spring Kit CSKP-031		K&N Filter Oil Filter KN-303 Air Filter KN-6504					
Rhino 660 2005-08 Big Bore to 727cc 105mm 4.134"	BB YA-7018B			105.00	.196								12:1 Comp. 261532	Top End C7909-EST																
Rhino 700 FI 2008-13 Raptor 700R 2006-13 Grizzly 700 2007-13 686cc Liquid Cooled 102mm 4.016"	AC YA-5609	5609K		102.00 103.00	Std. .040	9.2:1 Comp. 0.2706A	9.2:1 Comp. 4902M10200 4902M10300	10200XS 10300XS						Top End C3142-EST (103mm) C3143-EST (104mm)	Top End 35-0923 Complete w/oil seals Raptor 37-1923 Grizzly, Rhino 37-1941	Cylinder Works Raptor 20004 (Std. 102mm) Complete Kit 20004-K01 (Std. 102mm) Rhino Grizzly 20104 (Std. 102mm) Complete Kit 20104-K01 (Std. 102mm) Big Bore Complete Kit Raptor 21004-K01 (727cc) Rhino Grizzly 21104-K01 (727cc)	Intake 80-80430 O/S +1mm 80-80431 Exhaust 80-80433 O/S +1mm 80-80434 Valve Springs 80-80410	Valve Guide IN / EX 80-80420 O/S +.001 80-80421 Valve Seat Intake 10-SB415 Exhaust 10-SB345	Hot Cams Camshaft [Raptor] (06-08) 4064-1 (Stage 1) 4065-2 (Stage 2) 4091-3 (Stage 3) (09-13) 4131-1 (Stage 1) 4132-2 (Stage 2) 4133-3 (Stage 3) [Grizzly] 4126-M (Mudbuster) 4127-1 (Stage 1) 4128-2 (Stage 2) [Rhino] 4129-2 (Stage 2)	CC-2706 Raptor HR4078 Stroker +5mm HR4178 (727cc) Rhino Grizzly HR4079 Stroker +5mm HR4179 (727cc)	Carrillo CR05315 (H-Beam) Hot Rods HR8651		Hinson Basket 31-313 (Raptor) Clutch Spring Kit CSKP-036	Hinson Plate 31-256 [Raptor] Rhino KN-204 Air Filter Raptor KN-7006 Rhino KN-7008	K&N Filter Oil Filter Raptor KN-145 Rhino KN-204 Air Filter Raptor KN-7006 Rhino KN-7008					
Rhino 700 FI 2008-13 Raptor 700R 2006-13 Grizzly 700 2007-13 Big Bore to 740cc 727cc 105mm 735cc 105.50mm 741cc 106mm	BB YA-5609			105.00 105.50 106.00	.120 .140 .160	11:1 Comp. 65.6825.350 65.6825.400	11:1 Comp. 65.6825.350 65.6825.400			11:1 Comp. CPM1039 8673DA	10200XS 10300XS	11:1 Comp. 300176 300179 300177 284761 300180	12:5:1 Comp. 284767 300182	Top End C3144-EST (105.5mm)																

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# BIG BORE



## THERE IS NO REPLACEMENT FOR DISPLACEMENT

The best thing you can do for your two-stroke or four-stroke motor is to install a L.A. Sleeve Big Bore Kit. Big Bore kits are designed and developed to provide riders with additional torque and horsepower, while maintaining engine reliability. Kit configurations vary depending upon model and it's specific needs. The one constant factor in all our Big Bore kits is performance. You'll notice huge power gains from bottom end to the top end of the powerband.

While the four-stroke revolution is in full swing, L.A. Sleeve is still the industry's leading manufacturer of two-stroke Big Bore kits. L.A. Sleeve is more than just a parts warehouse. We have a complete engine service department just in case you need help getting your motor back together.

## USING THE LETTER CODE CHART

To determine the requirements for your Big Bore kit, check the letter codes charted with your model. The following explanations will help you to determine what components need to be modified or any special requirements.

**A. L.A. SLEEVE INSTALLATION REQUIRED.** L.A. SLEEVE Power Products will need to install a Big Bore sleeve, modify all other components to required specifications. Send the cylinder and other parts if required to L.A.SLEEVE.

**B. DEALER INSTALLATION REQUIRED.** Qualified dealers or engine builders are needed to complete the engine re-installation. See your dealer before starting any engine mods. Your dealer will ship the necessary parts to L.A.SLEEVE for modification.

**C. HEAD MODIFICATION REQUIRED.** Most two stroke Big Bores require that the head be re-chambered to larger cc's. Send the head with your cylinder.

**D. CASE MODIFICATION REQUIRED.** Some Big Bore engines require the crankcase to be bored in order to accept the large cylinder skirt. Disassemble and split the case before sending. L.A. SLEEVE service department provides this service. Call for price quote.

**E. POWER VALVE MODIFICATION REQUIRED.** Some two stroke Big Bores using power valves require the valves to be machined and modified to clear the piston/bore. Send the power valve still assembled in the cylinder. Power Products will modify the valves to the proper clearance and re-assemble.

**F. PORT AND POLISH RECOMMENDED (STAGE II).** Big Bore motors produce low-end torque and horsepower. Adding Stage II port and polish to the cylinder will increase RPM's at the mid and top end, giving the motor a smooth powerband.



# ATV BIG BORE KITS

## HONDA ATV 2-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	KIT PRICE	KIT+INSTALL	LETTER CODE
ATC250R-265	85-86			526M06850	C7272	224.50	289.50	A/F
ATC250R-270	85-86			526M06900	C7272	224.50	289.50	A/F
ATC250R-295	85-86		H-845B	W845PS	GS845	395.00	665.00	A/B/C
TRX250R-265	87-89			526M06850	GS845BP	279.00	345.00	A/F
TRX250R-270	87-89			526M06900	GS845BP	279.00	345.00	A/F
TRX250R-295	1986		H-845B	W845PS	GS845	395.00	665.00	A/B/C
TRX250R-295	87-89		H-5032B	W845PS	GS845-W/BSP845	440.00	699.00	A/B/C

## HONDA ATV 4-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
ATC350X-425	82-85		H-952H	A952PS (10.5:1)	GS952		440.00	570.00*	A/B/D
TRX400EX-430	99-12	LAS-5445B1	H-5445	65.1821.300 (11:1)	C7826-EST		358.50	490.00	A/B
TRX400EX-440	99-12	LAS-5445B2	H-5445	65.1821.400 (11:1)	C7826-EST		358.50	490.00	A/B
TRX400EX-440	99-12	LAS-5445	H-5445	8604D400 (11:1)	C7826-EST	1043-2	565.00	698.00	A/B
TRX400EX-440	99-12	LAS-5445B	H-5445	4794M08900 (12:1)	C7826-EST	1043-2	565.00	698.00	A/B
TRX400EX-445	99-12		H-5445NS	J5293P4 (11:1)	C7826-EST		499.50	635.00*	A/B/D
TRX450R-480	04-05		H-5561	8610DA (11:1)	C7201-EST		380.00	510.00	A/B
TRX450R-490	04-05	LAS-5561B	H-5561	CPM2020 (13:1)	C3079-EST	1024-2	670.00	799.00	A/B
TRX450R-470	06-13		H-5537	CPM2038 (12.5:1)	C3141-EST		399.50	529.50	A/B
TRX450R-480	06-13	LAS-5537B1	H-5537B	4699 (12:1)	C3272-EST	1024-2	670.00	799.00	A/B

\*Case boring not included in price

## KAWASAKI ATV 2-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	KIT PRICE	KIT+INSTALL	LETTER CODE
KFX80-105	03-05	LAS-5369B*	FL5369B	PX5369PS	GS5369	465.00	635.00*	A/B/C/D/F

\* Includes head.

## KAWASAKI ATV 4-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
KFX400-440	03-06	LAS-5430B	FL-5430B	4795M09450 (12.5:1)	C7963-EST	2249-1IN, 2250-1E	790.00	925.00	A/B
KFX400-440	03-06	LAS-5430B1	FL-5430B	4796M09450 (13.5:1)	C7963-EST	2249-1IN, 2250-1E	790.00	925.00	A/B
KFX400-453	03-06	LAS-5430B2	FL-5430B	65.2700.550 (13:1)	GS5430	2249-1IN, 2250-1E	810.00	945.00	A/B
KFX450R-480	08-13	LAS-5675B	KA-5675B	65.2850.300 (13:1)	GS5675	2093-2IN, 2094-2E	775.00	910.00	A/B
KFX450R-490	08-13	LAS-5675B1	KA-5675B	261976 (13:1)	GS5675	2093-2IN, 2094-2E	775.00	910.00	A/B
KVF650-785	02-03	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1020.00	1265.00	A/B
KFX700-750	04-10	LAS-5526B1	KA-5526B 2X	CPM3013 (12.5:1) 2X	GS5526	2036-1S	1020.00	1265.00	A/B
700 4X4-797	04-06	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1020.00	1265.00	A/B
KFX700-797	04-10	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1020.00	1265.00	A/B
Brute Force 750-840	05-13	LAS-5592B	KA-5592B 2X	274192 (11.5:1) 2X	C3251-EST	2036-1S	1090.00	1350.00	A/B
Teryx 750-840	08-13	LAS-5592B	KA-5592B 2X	274192 (11.5:1) 2X	C3251-EST	2036-1S	1090.00	1350.00	A/B

## ATV BIG BORE KITS [CONTINUED]

### SUZUKI ATV 2-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	KIT PRICE	KIT+INSTALL	LETTER CODE
LT80-105	ALL YEARS	LAS-5369B*	FL-5369B	PX-5369PS	GS5369	465.00	635.00*	A/B/C/D
LT500-530	1987		FL5021H	561M08900	C7125	374.00	645.00	A/B/C/F
LT500-530	88-90		FL-5073H	561M08900	C7122	374.00	645.00	A/B/C/F

\* Includes head.

### SUZUKI ATV 4-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
LT230-260	85-94	LAS-866B	FL-866B	W866PS (10:1)	GS866		290.00	410.00	A/B
LTZ400-440	02-13	LAS-5430B	FL-5430B	4795M09450 (12.5:1)	C7963-EST	2249-1IN, 2250-1E	790.00	925.00	A/B
LTZ400-440	02-13	LAS-5430B1	FL-5430B	4796M09450 (13.5:1)	C7963-EST	2249-1IN, 2250-1E	790.00	925.00	A/B
LTZ400-453	02-13	LAS-5430B2	FL-5430B	65.2700.550 (13:1)	GS5430	2249-1IN, 2250-1E	810.00	945.00	A/B
LTR450-473	06-09	LAS-5625B	FL-5625B	CPM4012 (12.5:1)	C3157-EST	2072-1IN, 2073-1E	790.00	920.00	A/B
LTR450-493	06-09	LAS-5625B1	FL-5625B	252747 (12.8:1)	C3158-EST	2072-1IN, 2073-1E	790.00	920.00	A/B
King Quad 700-750	05-07	LAS-5595B	FL-5595B	CPM4014 (11.5:1)	C3128-EST		425.00	555.00	A/B

### YAMAHA ATV 2-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
Blaster 200-240	88-06	LAS-5035B	YA-5035B	W240PS	GS5035		335.00	605.00	A/B/C/F
Banshee 350-409	87-06	LAS-5023B	YA-5023B(2)	PX409PS(2)	Cool Head CH5023	830.00	1170.00	A/B/F	

### YAMAHA ATV 4-STROKE

MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
Raptor 250-270	08-13	LAS-5679B	YA-5679B	CPM1063 (11:1)	C3225-EST	4118-2	595.00	725.00	A/B
Raptor 250-277	08-13	LAS-5679B1	YA-5679B	65.6801.400 (13:1)	C3225-EST	4118-2	595.00	725.00	A/B
Raptor 250-283	08-13	LAS-5726B	YA-5726	65.6801.600 (13:1)	C3226-EST	4118-2	595.00	725.00	A/B
YFM350-385	87-13	LAS-5024B	YA-5024B	J5024PS (10.5:1)	GS5024	4017-1	595.00	715.00	A/B
Kodiak 400-425	93-99	LAS-5231B	YA-5231B	J5231PS (10.5:1)	GS5024		395.00	515.00	A/B
Big Bear 400-425	00-12	LAS-5231B	YA-5231B	J5231PS (10.5:1)	GS5024		395.00	515.00	A/B
YFZ450-460	04-05	LAS-5495B1	YA-5495	4688 (12:1)	GS5495	4023-1IN, 4044-1E	765.00	899.00	A/B
YFZ450-470	04-05	LAS-5495B2	YA-5495	CPM1009 (12.5:1)	GS5495	4023-1IN, 4044-1E	780.00	910.00	A/B
YFZ450-470	06-13	LAS-5495B1	YA-5495	4688 (11.5:1)	GS5495	4023-1IN, 4044-1E	765.00	899.00	A/B
YFZ450-480	06-13	LAS-5495B2	YA-5495	CPM1009 (12:1)	GS5495	4023-1IN, 4044-1E	780.00	910.00	A/B
YZF450R-480	09-13	LAS-5627B3	YA-5627	CPM1009 (12.75:1)	C3178-EST	4023-1IN, 4044-1E	790.00	920.00	A/B
Grizzly 600-635	98-01	LAS-814BB	YA-814BB	4607M09800 (10:1)	C7276		360.00	495.00	A/B
Grizzly 600-675	98-01	LAS-7028	YA-7028	8501D600 (10.5:1)	C7277		360.00	495.00*	A/B/D
YFM660R-686	01-06	LAS-7018	YA-7018	65.6821.200 (12:1)	C7798-EST		419.50	549.00	A/B
Raptor 660-727	01-06	LAS-7018B	YA-7018B	65.6821.500 (12:1)	C7909	4011-1	625.00	755.00*	A/B/D
Grizzly 660-727	02-08	LAS-7018B1	YA-7018B	65.6821.500 (12:1)	C7909	4034-1	625.00	755.00*	A/B/D
Rhino 660-727	05-08	LAS-7018B1	YA-7018B	65.6821.500 (12:1)	C7909	4034-1	625.00	755.00*	A/B/D
Rhino 700-735	08-13	LAS-5609B	YA-5609	65.6826.350 (12.5:1)	C3144-EST	4129-2	620.00	750.00	A/B
Raptor 700-735	06-08	LAS-5609B1	YA-5609	65.6826.350 (12.5:1)	C3144-EST	4065-2	620.00	750.00	A/B
Raptor 700-735	09-13	LAS-5609B2	YA-5609	65.6826.350 (12.5:1)	C3144-EST	4132-2	620.00	750.00	A/B
Grizzly 700-735	07-13	LAS-5609B3	YA-5609	65.6826.350 (12.5:1)	C3144-EST	4128-2	620.00	750.00	A/B

INDIVIDUAL KIT PARTS MAY BE SOLD SEPARATELY

\*Case Boring Not Included In Price. Call for quote.



## BIG BORE COMPLETE CYLINDER KITS

### FOUR-STROKE CYLINDER KITS

L.A. Sleeve complete 4-stroke big bore cylinder kits include big bore cylinder, forged piston kit, and top end gaskets. Big bores provide great torque and increased overall horsepower. Additional top end performance and horsepower are increased by adding Stage 2 camshafts, DRD pipes and carbs to the big bore kit.

#### ARCTIC CAT FOUR-STROKE

MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
DVX400-434	94	04-08	LAS-41001	499.95
DVX400-434 with Cams	94	04-08	LAS-41001K	775.00
DVX400-453	96	04-08	LAS-5430K2	799.00
DVX400-453 with Cams	96	04-08	LAS-5430K3	1125.00

#### HONDA FOUR-STROKE

MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
TRX450R-480	97	06-09	11005-K01	549.95
TRX450R-480 with Cam	97	06-09	11005-K02	759.00



**BANSHEE COMPLETE KIT:** The Banshee big bore kit features a new ProCross reed valve cylinder which is a mono-block style as used on high performance road race bikes. The ProCross head features changeable domes. Dome sizes are available in various cc's and compressions are adjustable to suit your riding or racing needs. The coated pistons are available in oversizes through 1.50mm. The Banshee kit package produces over 55HP and up to 80HP. Accessories package includes Stage 2 porting, CT exhaust systems, Keihin 34/35 carbs and RadValves.

#### YAMAHA TWO-STROKE

MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
Banshee 350-409	68	87-06	NIKS 409	1299.00



#### KAWASAKI FOUR-STROKE

MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
KFX400-434	94	03-06	LAS-41001	499.95
KFX400-434 with Cams	94	03-06	LAS-41001K	775.00
KFX400-453	96	03-06	LAS-5430K2	799.00
KFX400-453 with Cams	96	03-06	LAS-5430K3	1125.00

#### SUZUKI FOUR-STROKE

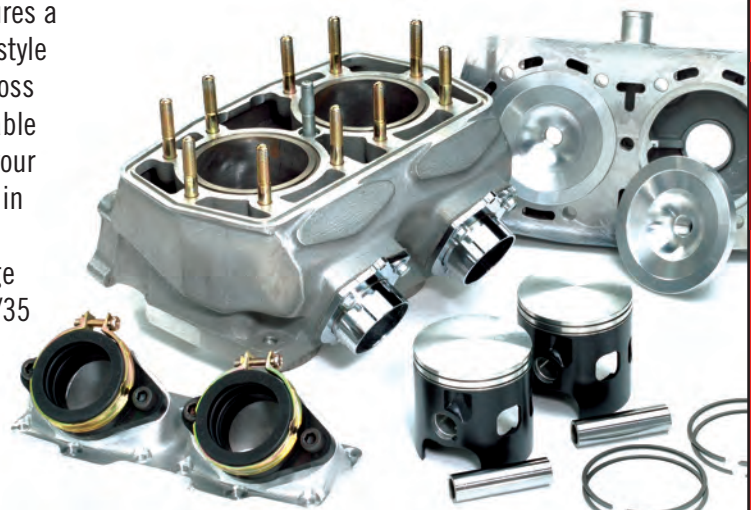
MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
LTZ400-434	94	02-13	LAS-41001	499.95
LTZ400-434 with Cams	94	02-13	LAS-41001K	775.00
LTZ400-453	96	02-13	LAS-5430K2	799.00
LTZ400-453 with Cams	96	02-13	LAS-5430K3	1125.00

### TWO-STROKE CYLINDER KITS

**TRX310 TO 330 BIG BORE KIT:** The original complete two-stroke big bore cylinder kit is going as strong as ever because it is still the best on the market. Supplied in many various packages and displacements, these are the most popular packages. The kit is supplied with the new cylinder, head with changeable dome, gaskets, and coated piston kit. Accessories such as CT pipes, carbs, manifolds, and RadValves are also available.

#### HONDA TWO-STROKE

MODEL	BORE SIZE (mm)	YEAR	KIT NO.	KIT PRICE
ATC250R-302	72	85-86	NIKS 307	799.00
TRX250R-265	69	85-89	NIKS 260	675.00
TRX250R-302	72	85-89	NIKS 307	799.00
TRX250R-330	76	85-89	NIKS 306	899.00



ARCTIC CAT  
CAN-AM  
HONDA  
KAWASAKI  
KTM  
KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.

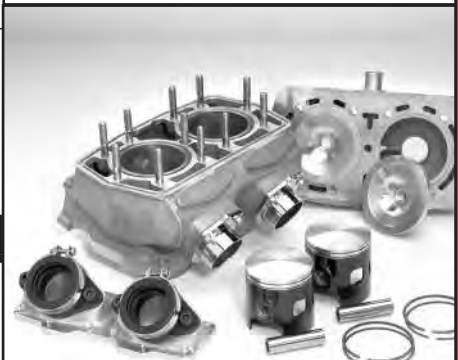
**MODEL**  
Engine Description  
Cylinder I.D. (mm / in.)

**NIKS CYLINDER KITS**

**RACE & BIG BORE BOLT-ON CYLINDER KITS FOR**

**HONDA TRX-250R**

<b>NIKS-251 TRX-250R</b> 1985-89	Cylinder <b>N250</b>	<b>4420A</b> 0284	Std. .030	<b>4420R</b> 0800	66.40 66.75				T.E. Bearing <b>01181</b>	<b>GS300</b> Base Plate <b>BSP845</b>	<b>04980</b> (85-86) <b>HR4007</b> (87-89)	<b>39-4980X</b> (85-86) <b>39-4971</b> (87-89)	<b>6328C3</b> <b>094971</b> <b>494971</b> Bearing/Seal Kit	Friction Kit <b>612027</b> Basket <b>31-014</b> Hinson	<b>36PWK</b> <b>JK-036</b> <b>38PWK</b> <b>JK-038</b>
<b>NIKS-251PV TRX-250R</b> 1985-89 Power Valve Cylinder Kit	Cylinder <b>N250PV</b> (Power Valve)	0286 0641	.040 .060	0801 0912	67.00 67.50										
<b>NIKS-254 TRX-250R</b> 1985-89 Nikasil Plated Bore	Cylinder <b>N254</b> (Nikasil)	0288	.070 .080 .090	0288R	67.75 68.00 68.25										
<i>All come with base plate</i>		Head <b>NH250</b>													
<b>NIKS-302 ATC-310</b> 1985-86	Cylinder <b>N303</b>	<b>PX845PS</b>	Std. .010		72.00 72.25	<b>2835CD</b> 2844CD			T.E. Bearing <b>01181</b>	<b>GS300</b> Base Plate <b>BSP845</b>	<b>04980</b>	<b>39-4980X</b>	<b>6328C3</b> <b>094971</b> <b>494971</b> Bearing/Seal Kit	Friction Kit <b>612027</b> Basket <b>31-014</b> Hinson	<b>36PWK</b> <b>JK-036</b> <b>38PWK</b> <b>JK-038</b>
<b>NIKS-302P ATC-310</b> 1985-86 National MX Porting Specs	Head <b>NH300</b>	PX845P2 PX845P4	.020 .040 .060		72.50 73.00 73.50	2854CD 2874CD 2894CD									
<b>NIKS-307 TRX-310R</b> 1985-89															
<b>NIKS-307P TRX-310R</b> 1985-89 National MX Porting Specs															
<i>307 Kits come with base plate</i>															
<b>NIKS-306 TRX-330</b> 1985-89	Cylinder <b>N306</b>		Std. .020		76.00 76.50	<b>2992TD</b> 3012TD			T.E. Bearing <b>01181</b>	<b>GS330</b> Base Plate <b>BSP330</b>	<b>04980</b> (85-86) <b>HR4007</b> (87-89)	<b>39-4980X</b> (85-86) <b>39-4971</b> (87-89)	<b>6328C3</b> <b>094971</b> <b>494971</b> Bearing/Seal Kit	Friction Kit <b>612027</b> Basket <b>31-014</b> Hinson	<b>36PWK</b> <b>JK-036</b> <b>38PWK</b> <b>JK-038</b>
<b>NIKS-306 TRX-330</b> 1985-89	Head <b>NH306</b>		.040 .060		77.00 77.50	3032TD 3051TD									
<i>All come with base plate</i>															
<i>Case boring required.</i>															



**NIKS CYLINDER KITS**

**RACE & BIG BORE BOLT-ON CYLINDER KITS FOR**

**YAMAHA BANSHEE AND BLASTER**

<b>NIKS-409 Banshee</b> 1987-06 68mm			Std. .010 .020 .040 .060		68.00 68.25 68.50 69.00 69.50	<b>2648R</b> 2650R 2651R 2653R 2655R			T.E. Bearing <b>01201</b>	<b>GS409</b>	<b>04913</b> Hi Performance Long Rod Kit <b>HR 8158</b>	<b>39-4958</b>	Left, Center <b>83464A</b> Right <b>83406</b> <b>494958</b> Bearing/Seal Kit	Friction Kit <b>620207</b> Basket <b>31-016</b> Hinson	<b>35PWK</b> <b>JK-035</b>
<b>NIKS-240 Blaster</b> 1988-06			Std. .010 .020 .040		72.00 72.25 72.50 73.00	<b>W240PS</b> W240P1 W240P2 W240P4			T.E. Bearing <b>01201</b>	<b>GS409</b>	<b>04963</b>	<b>39-4963</b>	Left, Center <b>83A915</b> Right <b>6305RI</b> <b>494963</b> Bearing/Seal Kit	Friction Kit <b>621047</b> Basket <b>31-113</b> Hinson	<b>36PWK</b>
<b>NIKS-240P Blaster</b> 1988-06 72mm															





## CYLINDER WORKS BIG BORE CYLINDERS

Cylinder Works produces drop-in four-stroke big bore cylinders that appear virtually the same as stock. The cylinders are supplied with nickel silicon carbon plated bores. L.A. SLEEVE additionally installs big bore sleeves into some models to increase big bore availability. Sleeved cylinders are boreable to oversize pistons. Cylinders are sold individually. Order pistons and gaskets separately.



### ARCTIC CAT FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	BORE STYLE	PART NO.	RETAIL PRICE
DVX400-434	04-08	94.00	Plated	41001	299.95
DVX400 to 434/44004-08		94.00	Sleeved	41001SL	429.95
DVX400-453	04-08	96.00	Sleeved	41001-96SL	429.95

### HONDA FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	BORE STYLE	PART NO.	RETAIL PRICE
TRX450R-480	04-05	97.00	Plated	11003	299.95
TRX450R-490	04-05	98.00	Sleeved	11003-SL98	429.95
TRX450R-499	04-05	99.00	Sleeved	11003-SL99	429.95
TRX450R/ER-480	06-12	99.00	Plated	11005	299.95
TRX700XX-727	08-09	105.00	Plated	11009	299.95
TRX700XX-740	08-09	106.00	Sleeved	11009-106	449.95

### KAWASAKI FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	BORE STYLE	PART NO.	RETAIL PRICE
KFX400-434	03-06	94.00	Plated	41001	299.95
KFX440-434/440	03-06	94.00	Sleeved	41001SL	429.95
KFX440-453	03-06	96.00	Sleeved	41001-96SL	429.95

### SUZUKI FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	BORE STYLE	PART NO.	RETAIL PRICE
LTZ400-434	02-13	94.00	Plated	41001	299.95
LTZ400-434/440	02-13	94.00	Sleeved	41001SL	429.95
LTZ400-453	02-13	96.00	Sleeved	41001-96SL	429.95
LT-R450-475	06-09	98.00	Plated	41002	299.95

### YAMAHA FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	BORE STYLE	PART NO.	RETAIL PRICE
YFZ450-470	04-05	98.00	Plated	21001	279.95
YFZ450-480	06-12	98.00	Plated	21001	279.95
YFZ450R-480	09-13	98.00	Plated	21003	279.95
YFZ450R-498	09-13	100.00	Sleeved	21003-100SL	429.95
Raptor 700-727	06-13	105.00	Plated	21004	299.95
Grizzly 700-727	07-13	105.00	Plated	21104	299.95
Rhino 700-727	08-13	105.00	Plated	21104	299.95

## CYLINDER WORKS BIG BORE KITS

Cylinder Works Complete Big Bore Cylinder kits provide everything you need to transform your bike or ATV from stock to a big bore brute. In addition to the stock appearing, plated and precision honed cylinder, each kit contains a complete top end gasket kit and forged piston with rings, pin and clips.



### ARCTIC CAT FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	COMP.	KIT NO.	KIT PRICE
DVX-400 to 434cc	04-08	94.00	11.3:1	41001-K01	649.95

### HONDA FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	COMP.	KIT NO.	KIT PRICE
TRX-450R to 480cc	04-05	97.00	10.5:1	11003-K01	649.95
TRX-450R to 480cc	06-12	99.00	12:1	11005-K01	649.95
TRX-450ER to 480cc	06-12	99.00	12:1	11005-K01	649.95
TRX-700XX to 727cc	08-09	105.00	10:1	11009-K01	749.95

### KAWASAKI FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	COMP.	KIT NO.	KIT PRICE
KFX-400 to 434cc	03-06	94.00	11.3:1	41001-K01	649.95

### SUZUKI FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	COMP.	KIT NO.	KIT PRICE
LTZ-400 to 434cc	03-12	94.00	11.3:1	41001-K01	649.95
LT-R450 to 475cc	06.09	98.00	11.7:1	41002-K01	649.95

### YAMAHA FOUR-STROKE

MODEL	YEAR	BORE SIZE (mm)	COMP.	KIT NO.	KIT PRICE
YFZ-450 to 470cc	04-05	98.00	12:1	23001-K01	649.95
YFZ-450 to 480cc	06-12	98.00	12:1	23001-K01	649.95
YFZ-450R to 480cc	09-13	98.00	12.5:1	21003-K02	649.95
Grizzly 700 to 727cc	07-13	105.00	9.2:1	21104-K01	799.95
Raptor 700 to 727cc	06-13	105.00	9.2:1	21004-K01	799.95
Rhino 700 to 727cc	08-13	105.00	9.2:1	21104-K01	799.95



# SILICON HOSE KITS



## ARCTIC CAT ATV

MODEL	YEAR	PART NO.	COLOR
DVX400	03-08	50-H14R	RED
DVX400	03-08	50-H14B	BLUE
DVX400	03-08	50-H14G	GREEN
DVX400	03-08	50-H14Y	YELLOW
DVX400	03-08	50-H14O	ORANGE



## CAN-AM ATV

MODEL	YEAR	PART NO.	COLOR
DS450	08-09	50-HSP821Y	YELLOW

## HONDA ATV

MODEL	YEAR	PART NO.	COLOR
TRX250R	87-89	50-H42R	RED
TRX250R	87-89	50-H42B	BLUE
TRX250R	87-89	50-H42BL	BLACK
TRX450R	04-05	50-H28R	RED
TRX450R	04-05	50-H28B	BLUE
TRX450R	04-05	50-H28O	ORANGE
TRX450R	04-05	50-H28BL	BLACK
TRX450R	04-05	50-H28G	GREEN
TRX450R	04-05	50-H28W	WHITE
TRX450R	04-05	50-H28Y	YELLOW
TRX450R	04-05	50-H28P	PURPLE
TRX450R	06-10	50-H71AR	RED
TRX450R	06-10	50-H71AB	BLUE
TRX450R	06-10	50-H71AY	YELLOW
TRX450R	06-10	50-H71AG	GREEN
TRX450R	06-10	50-H71AO	ORANGE
TRX450R	06-10	50-H71AP	PURPLE
TRX450R	06-10	50-H71AW	WHITE
TRX700XX	08-09	50-H139B	BLUE
TRX700XX	08-09	50-H139R	RED

## KAWASAKI ATV

MODEL	YEAR	PART NO.	COLOR
KXF400	03-07	50-H14R	RED
KXF400	03-07	50-H14B	BLUE
KXF400	03-07	50-H14G	GREEN
KXF400	03-07	50-H14Y	YELLOW
KXF400	03-07	50-H14O	ORANGE
KXF450R	08-10	50-H85B	BLUE
KXF450R	08-10	50-H85G	GREEN
KXF450R	08-10	50-H85BL	BLACK
KXF450R	08-10	50-H85R	RED
KXF450R	08-10	50-H85W	WHITE

## KTM ATV

MODEL	YEAR	PART NO.	COLOR
450XC	08-09	50-H131O	ORANGE
450XC	08-09	50-H130O	ORANGE
525XC	08-09	50-H131O	ORANGE
525XC	08-09	50-H130O	ORANGE

## POLARIS ATV

MODEL	YEAR	PART NO.	COLOR
Predator	03-07	50-H32R	RED
Predator	03-07	50-H32B	BLUE
Predator	03-07	50-H32Y	YELLOW
Predator	03-07	50-H32O	ORANGE
Predator	03-07	50-H69R	RED
Outlaw	08-09	50-H134R	RED
Outlaw	08-09	50-H133R	RED
Outlaw	08-09	50-H134R	RED
Outlaw	08-09	50-H133R	RED
Outlaw	08-09	50-H134R	RED
Outlaw	08-09	50-H133R	RED
RZR	07-10	50-H135R	RED



## SUZUKI ATV

MODEL	YEAR	PART NO.	COLOR
LTZ400	03-08	50-H14R	RED
LTZ400	03-08	50-H14B	BLUE
LTZ400	03-08	50-H14G	GREEN
LTZ400	03-08	50-H14Y	YELLOW
LTZ400	03-08	50-H14O	ORANGE
LTZ400	09-10	50-H155R	RED
LTZ400	09-10	50-H155B	BLUE
LTZ400	09-10	50-H155Y	YELLOW
LTR450	06-10	50-H55R	RED
LTR450	06-10	50-H55B	BLUE
LTR450	06-10	50-H55P	PURPLE
LTR450	06-10	50-H55Y	YELLOW
LTR450	06-10	50-H55O	ORANGE
LTR450	06-10	50-H55G	GREEN
LTR450	06-10	50-H55W	WHITE

## YAMAHA ATV

MODEL	YEAR	PART NO.	COLOR
YFZ450	04-08	50-H29R	RED
YFZ450	04-08	50-H29B	BLUE
YFZ450	04-08	50-H29BL	BLACK
YFZ450	04-08	50-H29Y	YELLOW
YFZ450	04-08	50-H29O	ORANGE
YFZ450	04-08	50-H29P	PURPLE
YFZ450	04-08	50-H29W	WHITE
YFZ450R	09-10	50-H154R	RED
YFZ450R	09-10	50-H154B	BLUE
Banshee	87-07	50-H31BL	BLACK
Banshee	87-07	50-H31R	RED
Banshee	87-07	50-H31B	BLUE
Banshee	87-07	50-H31Y	YELLOW
Banshee	87-07	50-H31O	ORANGE
Banshee	87-07	50-H31P	PURPLE
Raptor 700	06-10	50-H33R	RED
Raptor 700	06-10	50-H33B	BLUE
Raptor 700	06-10	50-H33Y	YELLOW
Raptor 700	06-10	50-H33O	ORANGE
Raptor 700	06-10	50-H33P	PURPLE
Raptor 700	06-10	50-H33W	WHITE
Raptor 700	06-10	50-H33BL	BLACK
Raptor 660	01-05	50-H34R	RED
Raptor 660	01-05	50-H34B	BLUE
Raptor 660	01-05	50-H34Y	YELLOW
Raptor 660	01-05	50-H34BL	BLACK
Raptor 660	01-05	50-H34O	ORANGE
Rhino 660	04-07	50-H79B	BLUE
Rhino 660	04-07	50-H79G	GREEN
Rhino 660	04-07	50-H79R	RED
Rhino 660	04-07	50-H79Y	YELLOW
Rhino 660	04-07	50-H79O	ORANGE
Rhino 660	04-07	50-H79P	PURPLE
Rhino 700	08-10	50-H129B	BLUE
Rhino 700	08-10	50-H129G	GREEN
Rhino 700	08-10	50-H129R	RED
Rhino 700	08-10	50-H129Y	YELLOW
Rhino 700	08-10	50-H129O	ORANGE
Rhino 700	08-10	50-H129P	PURPLE



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KAWASAKI  
KTM  
KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
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ACCESSORIES  
TECH.

# CT

## Racing

# EXHAUST PIPES



### HONDA

MODEL	YEAR	DESCRIPTION	PART NO.	LIST PRICE
ATC-250R	85-86	Midrange Pipe / Silencer	CTH-1	349.95
TRX-250R	86-89	Midrange Pipe / Silencer	CT-03M4	349.95
TRX-250R	86-89	Silencer / SA	CTH-02	161.95
TRX-400EX	All Years	Slip-On / SA	CT-3004	315.95
TRX-400EX	All Years	Complete / SA Hi-Output	CT-30R4	507.95
TRX-450R	04-07	Complete	CTH-450R	507.95
TRX-450R	06-13	Complete	CTH-450RZ	507.95
TRX-700XX	08-09	Complete	CTH-700XX	534.95

### KAWASAKI

MODEL	YEAR	DESCRIPTION	PART NO.	LIST PRICE
KFX-50	02-05	Pipe /SA	CT-11M1	300.95
KFX-80	03-06	Pipe	CT-11M3	249.95
KFX-400	03-06	Complete	CT-400Z	507.95
KFX-450	08-12	Complete	CT-450K	507.95

### SUZUKI

MODEL	YEAR	DESCRIPTION	PART NO.	LIST PRICE
LT-Z50	06-08	Complete	CTS-Z50	329.95
LT-50	02-05	Pipe / SA	CT-11M1	300.95
LT-80	All Years	Pipe	CT-11M3	249.95
LT-Z90	07-12	Complete/SA	CTS-Z90	329.95
LT-250R	87-90	Midrange Pipe / Silencer	CTS-13	350.95
LT-250R	91-92	Midrange Pipe / Silencer	CTS-14	350.95
LT-Z400	02-09	Complete	CT-400Z	507.95
LT-R450	06-12	Complete	CT-450Z	507.95
LT-500R	All Years	Midrange Pipe / Silencer	CTS-16	365.00
LT-500R	All Years	Outlaw Pipe / Silencer	CTS-15	350.95

### YAMAHA

MODEL	YEAR	DESCRIPTION	PART NO.	LIST PRICE
BLASTER	All Years	MX Pipe / Silencer	CT-23M4	329.95
BLASTER	All Years	Silencer / SA	CTY-017	164.95
RAPTOR 250	08-12	Complete / SA	CTY-25	449.95
BANSHEE	All Years	MX Pipe / Silencer	CT-25X3	589.95
YFZ-450	04-09	Complete	CT-450Y	507.95
YFZ-450R	09-13	Complete	CT-450YR	507.95
RAPTOR 660	01-06	Complete	CT-2603	545.00
RAPTOR 700	06-13	Complete / SA	CT-2604	510.00



# DR.D EXHAUST

## HONDA

MODEL	STYLE	YEAR	PART NO.
TRX250	Slip-On	01-12	DRD1150
TRX400	Slip-On	99-12	DRD7443
TRX450	Complete	06-12	DRD7439
TRX450	Complete	04-05	DRD1101
TRX450	Slip-On	04-05	DRD1013
Rincon	Slip-On	03-06	DRD1011
Big Red	Slip-On	08-09	DRD8040

## KAWASAKI

MODEL	STYLE	YEAR	PART NO.
KFX400	Slip-On	03-07	DRD7444
KFX450	Slip-On	08-12	DRD7445
KFX450	Head Pipe	08-12	DRD8027
Teryx	Slip-On	08-09	DRD8035

## SUZUKI

MODEL	STYLE	YEAR	PART NO.
Z400	Slip-On	03-12	DRD7444
LT-R450	Complete	06-09	DRD1327

## YAMAHA

MODEL	STYLE	YEAR	PART NO.
YFZ450	Slip-On	04-12	DRD7437
YFZ450	Head Pipe	04-12	DRD1209
YFZ450R	Slip-On	09-12	DRD7438
YFZ450R	Head Pipe	09-12	DRD1215
Raptor 125	Slip-On	11-12	DRD2577
Raptor 125	Complete	11-12	DRD2576
Raptor 250	Complete	08-12	DRD7442
Raptor 250	Slip-On	08-12	DRD7441
Raptor 250	Head Pipe	08-11	DRD8013
Raptor 350	Slip-On	05-12	DRD1201
Raptor 660	Slip-On	01-06	DRD1009
Grizzly 660	Slip-On	02-06	DRD1005
Raptor 700	Slip-On	06-12	DRD7440
Raptor 700	Head Pipe	06-12	DRD1212
Rhino 660	Dual Complete	05-07	DRD1252
Rhino 660	Slip-On	05-07	DRD1250
Rhino 700	Dual Complete	08-12	DRD1253



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## OFFROAD, MOTOCROSS AND ATV HIGH-FLOW AIR FILTERS

K&N XStream and High Flow Air Filters are designed to provide high capacity with low restriction, resulting in increased horsepower and torque. Multi layers of woven cotton gauze media offers excellent filtration. Deep pleats provide high air flow and long service intervals. Two-Piece design allows for easy installation directly into your OE air box. Washable, re-useable, pre-oiled and ready to race!

## OFFROAD, MOTOCROSS & ATV OIL FILTERS

K&N Premium Oil Filters are built with synthetic media designed to withstand the high concentrates of synthetic oils. Special media provides high flow rates and outstanding filtration.

### HONDA ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
ATC250R	85-86	KN-2440		
TRX250R	86-89	KN-4250H		
TRX400EX	99-13	KN-4099	KN-4099T	KN-113
TRX450R	04-05	KN-4504	KN-4504T	KN-116
TRX450R	06-12	KN-6500BD	KN-4506T	KN-116
TRX700XX	08-09	KN6508		KN-112

### KAWASAKI ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
KFX80	03-06	KN-8087		
KFX400	03-06	KN-4002	KN-4002T	KN-139
KFX450R	08-13	KN-4508		KN-112
KVF650 Brute Force	05-13	KN-6503		KN-204
KFX700	04-10	KN-6503		KN-204
Teryx 750	08-12	KN-7508		KN-204

### KTM ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
450 XC	08-09			KN-155/KN-157
525 XC	08-10			KN-155/KN-157

### POLARIS ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
Trail Blazer 250	01-06	KN-1004		
Xplorer 300 4x4	97-99	KN-1001		
Xplorer 400L	94-98	KN-1001		
Outlaw 525	07-11	KN-5207		KN-155/KN-157
Predator 500	03-07	KN-5003		KN-112
Ranger 800 XP	08-13	KN-8007		KN-198
RZR 900 XP	11-13	KN-9011		

### SUZUKI ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
LT80 QuadSport	87-06	KN-8087		
LT250R QuadRacer	85-92	KN-4250S		
LTZ400	03-12	KN-4002	KN-4002T	KN-139
LTR450	06-13	KN-4506		KN-139
LTA700 King Quad	05-07	KN-7005		KN-138
LTA750 King Quad	09-13	KN-7005		KN-138

### YAMAHA ATV/UTV

MODEL	YEAR	AIR FILTER	POWER LID FILTER	OIL FILTER
YFM80 Raptor	85-08	KN-8002		
YFS200 Blaster	88-06	KN-2088		
Raptor 250R	08-13	KN-2088		KN-140
YFM350R Raptor	04-13	KN-6602		KN-142
YFM350X Warrior	87-05	KN-4350		KN-142
YFZ350 Banshee	87-06	KN-3502		
YFZ450	04-13	KN-4504	KN-4504T	KN-141
Raptor 660R	01-05	KN-6601	KN-6601T	KN-147
Rhino 660R	04-07	KN-6504		KN-303
Raptor 700R	06-13	KN-7006		KN-145
Rhino 700	08-13	KN-7008		KN-204

# ATV CARBURETORS

Carburetors inject your ATV with raw horsepower while maintaining reliable performance. Each carburetor is pre-jetted for a hassle-free, quick and easy bolt on, unparalleled performance.

## HONDA

MODEL	YEAR	CARB	PART NO.	RETAIL
TRX-250R	86-88	38PWK-AS	KE2272	269.00
TRX-250R	86-88	38PWK-AS w/cable	KE2268	295.00
TRX-250R	86-88	39PWK	KE2214	259.00
TRX-250R	86-88	39PWK w/cable	KE2215	295.00
TRX-400EX	99-12	39FCR	KE2262	490.00
TRX-400EX	99-12	39FCR w/cable	KE2274	579.00
TRX-400EX	99-12	41FCR	KE2266	520.00
TRX-400EX	99-12	41FCR w/cable	KE2210	599.00

## KAWASAKI

MODEL	YEAR	CARB	PART NO.	RETAIL
KFX400 to 440/453		41FCR	KE8214	614.95
KXF250	87-88	39PWK	KE8209	259.00

## SUZUKI

MODEL	YEAR	CARB	PART NO.	RETAIL
LT230	85-94	VM28	MK6210	165.00
LT-Z400 to 440/453	02-12	41FCR	KE8214	614.95
LT250 / LT500	87-90	38PWK-AS	KE6251	269.00
LT250 / LT500	87-90	38PWK-AS w/cable	KE6522	295.95
LT250 / LT500	87-90	41PWK w/cable	KE6523	295.95

## YAMAHA

MODEL	YEAR	CARB	PART NO.	RETAIL
BLASTER	All Years	28PWK	KE4409	215.00
BLASTER	All Years	28PWK kit w/cable	KE4411	245.00
BLASTER	All Years	33PWK kit	KE4210	289.95
BLASTER	All Years	33PWK kit w/cable	KE4413	334.95
BLASTER	All Years	35PWK kitw/cable	KE4215	289.95
RAPTOR 250	08-12	30FS w/cable	MK1296	299.95
RAPTOR 250	08-12	30FCR w/cable	MK1295	499.95
RAPTOR 250	08-12	33FCR w/cable	MK1296	499.95
YFM350 WARRIOR	87-07	TM36 kit w/cable	MK1297	489.95
BANSHEE	All Years	28PWK kit w/cable	KE4308	455.00
BANSHEE	All Years	34PJ kit w/cable	KE4309	455.00
BANSHEE	All Years	35PWK kit w/cable	KE4311	480.00



# KEIHIN

## KEIHIN CARBURETOR & JET KITS

SIZE/MODEL	RETAIL	JET KIT	RETAIL
28PWK	215.00	JK028	53.75
33PWK	215.00	JK034	53.75
34PJ	175.00	JK035	53.75
35PWK	225.00	JK036	53.75
35PWK-AS	245.00	JK038	53.75
36PWK	265.00		
38PWK	259.00		
38PWK-AS	269.00		
38PWM	269.00		
39PWK	259.00		
41PWK Pro	349.95		
20PE	98.00		
22PE	105.00		
24PE	110.00		
28PE	124.95		
38PE	179.95		





## PERFORMANCE HOSE CLAMPS

Gator Brand Clamps are produced using a stainless steel continuous band with extruded, asymmetrical threads for reliable performance. The edges of the band are rolled to prevent any sharp edges from damaging the hose. This is especially important on silicone hoses that have a soft, vulnerable cover. An offset gear box is employed to reduce clamp twist when tightening. The gear box housing is designed to remain stationary as the clamp is tightened to prevent movement over the hose.



PART NUMBER	DESCRIPTION	RANGE
50-HC3912	12mm - 20mm	1/2" - 7/8"
50-HC31216	16mm - 25mm	5/8" - 1"
50-HC31220	20mm - 32mm	3/4" - 1 1/4"



## VENT TUBING KITS

- Made from pure silicone rubber and available in three colors
- Designed for vent lines on carburetors, gas cap over flow, radiator overflow, water pump bypass, oil cooler, and various other applications
- Working operating temperature up to 420 degrees Fahrenheit
- NOT designed as a fuel delivery line of fuel tank or to the carburetor, or any other line that is under continuous fuel immersion

SIZE	COLOR	1 METER PACKAGED	1 FOOT BULK
3mm	BLUE	51-VT31B	51-VT330B
3mm	RED	51-VT31R	51-VT330R
3mm	YELLOW	51-VT31Y	51-VT330Y
4mm	BLUE	51-VT41B	51-VT430B
4mm	RED	51-VT41R	51-VT430R
4mm	YELLOW	51-VT41Y	51-VT430Y
5mm	BLUE	51-VT51B	51-VT530B
5mm	RED	51-VT51R	51-VT530R
5mm	YELLOW	51-VT51Y	51-VT530Y
6mm	BLUE	51-VT61B	51-VT630B
6mm	RED	51-VT61R	51-VT630R
6mm	YELLOW	51-VT61Y	51-VT630Y
7mm	BLUE	51-VT71B	51-VT730B
7mm	RED	51-VT71R	51-VT730R
7mm	YELLOW	51-VT71Y	51-VT730Y



## TEMPERATURE STRIPS

- Illuminates with Temperature Changes
- Self-Adhesive
- 149° - 249° Fahrenheit
- Sold in Packs of 3

PART NO. 52-TS100  
PRICE \$16.95





# HOT CAMS CAMSHAFTS

## ARCTIC CAT

MODEL	YEAR	PART NO.	STAGE
DVX 400	04-08	2249-1IN	This cam replaces the 2047-1IN. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2050-1E exhaust cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
DVX 400	04-08	2250-1E	This cam replaces the 2048-1E. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2049-1IN intake cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
650 4 X 4	04-06	2031-1S	Mudbuster: Dual cam engine. Intake and exhaust cams sold as a set. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
650 4 X 4	04-06	2036-1S	Stage 1: Dual cam engine. Intake and exhaust sold as a set. More midrange and top-end than the MUDBUSTER. Improved power through entire RPM range over stock. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.

## HONDA

MODEL	YEAR	PART NO.	STAGE
TRX 250X	87-92	1058-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
TRX 300EX	93-09	1058-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
TRX 400EX, X	99-13	1007-1	Stage 1: single-cam motor. Excellent midrange and top-end power increase. Not recommended for big bore applications over 426cc. Uses stock valve springs and rockers. *Does not use auto-decompression mechanism. Stock starter sufficient.
TRX 400EX, X	99-13	1043-2	TRX 400EX Stage 2: single-cam motor. More top-end power than Stage 1 with midrange gain. Uses stock valve springs and rockers. *Does not use auto-decompression mechanism. Stock starter sufficient.
TRX 400EX, X	99-13	1051-3	TRX 400EX Stage 3: single-cam motor. More top-end power. Designed specifically for Hot Rods big bore stroker kit. Uses stock valve springs and rockers. *Does not use auto-decompression mechanism. Stock starter sufficient.
TRX 450R	04-09	1016-1	Stage 1: single-cam motor. Excellent bottom-end and midrange increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450R	04-09	1024-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450R	04-09	1056-3	Stage 3: single-cam motor. Significantly more top-end power than Stage 2. Will work well for Supermoto and big bore/strokers. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450R	12-13	1105-1	Stage 1: single-cam motor. Excellent bottom-end and midrange increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450R	12-13	1106-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450R	12-13	1107-3	Stage 3: single-cam motor. Significantly more top-end power than Stage 2. Will work well for Supermoto and big bore/strokers. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	06-07	1016-1	Stage 1: single-cam motor. Excellent bottom-end and midrange increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	06-07	1024-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	06-07	1056-3	Stage 3: single-cam motor. Significantly more top-end power than Stage 2. Will work well for Supermoto and big bore/strokers. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	08-09	1105-1	Stage 1: single-cam motor. Excellent bottom-end and midrange increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	08-09	1106-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Improved throttle response. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 450ER	08-09	1107-3	Stage 3: single-cam motor. Significantly more top-end power than Stage 2. Will work well for Supermoto and big bore/strokers. Uses stock auto-decompression mechanism. Uses stock valve springs.
TRX 500FA, FE, FM	01-08	1029-1	Single-cam motor. Better throttle response. Increased acceleration and pulling power. Uses stock valve springs, rockers, and followers. Uses stock auto-decompression mechanism.
TRX 650FA	03-05	1030-1	Single-cam motor. Better throttle response. Increased acceleration and pulling power. Uses stock valve springs, rockers, and followers. Uses stock auto-decompression mechanism.
TRX 680FA	06-10	1030-1	Single-cam motor. Better throttle response. Increased acceleration and pulling power. Uses stock valve springs, rockers, and followers. Uses stock auto-decompression mechanism.
TRX 700XX	08-09	1134-1	"Stage 1: single-cam motor. Stage 1 has improved power at all RPM's over OEM. Performs well with stock air box lid and exhaust. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
TRX 700XX	08-09	1135-2	Stage 2: single-cam motor. Stage 2 similar low end power to OEM cam and increased power above 5,000 RPM. Better suited for engines that have intake and exhaust modifications as well as mild engine modifications. Uses stock valve springs and rockers.
TRX 700XX	08-09	1136-3	Stage 3: single-cam motor. Stage 3 specifically designed to utilize the extra breathing required by an engine that has an aftermarket exhaust system, air box modification, and possibly some engine modifications.

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HONDA  
KAWASAKI  
KTM  
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SUZUKI  
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## HOT CAMS CAMSHAFTS (CONTINUED)

### KAWASAKI

MODEL	YEAR	PART NO.	STAGE
KFX 400	03-06	2249-1IN	This cam replaces the 2047-1IN. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2050-1E exhaust cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
KFX 400	03-06	2250-1E	This cam replaces the 2048-1E. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2049-1IN intake cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
KFX 400	03-06	2251-2IN	The #2251-2IN and #2252-2E are designed to be used as a set. These cams will provide improved full throttle torque and horsepower at all RPM 4000 and up. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
KFX 400	03-06	2252-2E	The #2251-2IN and #2252-2E are designed to be used as a set. These cams will provide improved full throttle torque and horsepower at all RPM 4000 and up. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
KFX 450R	08-13	2093-2IN	Stage 2: Dual-cam engine. Intake and exhaust cams sold separately. Good midrange and top-end increase. Uses stock valve springs.
KFX 450R	08-13	2094-2E	Stage 2: Dual cam engine. Intake and exhaust cams sold separately. Good midrange and top-end increase. Cam uses stock auto-decompression mechanism. Uses stock valve springs.
KFX 450R	08-13	2095-3IN	Stage 3: Dual-cam engine. Intake and exhaust cams sold separately. Good top-end increase and great over-rev. Uses stock valve springs.
KFX 450R	03-13	2096-3E	Stage 3: Dual cam engine. Intake and exhaust cams sold separately. Good top-end increase and great over-rev. Cam uses stock auto-decompression mechanism. Uses stock valve springs.
Brute Force 650	05	2031-1S	Mudbuster: Dual cam engine. Intake and exhaust cams sold as a set. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
Brute Force 650	06-13	2036-1S	Stage 1: Dual cam engine. Intake and exhaust sold as a set. More midrange and top-end than the MUDBUSTER. Improved power through entire RPM range over stock. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.
Prairie 650	02-03	2031-1S	Mudbuster: Dual cam engine. Intake and exhaust cams sold as a set. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
Prairie 700	04-06	2031-1S	Mudbuster: Dual cam engine. Intake and exhaust cams sold as a set. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
KFX 700	04-09	2036-1S	Stage 1: Dual cam engine. Intake and exhaust sold as a set. More midrange and top-end than the MUDBUSTER. Improved power through entire RPM range over stock. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.
Brute Force 750	05-13	2036-1S	Stage 1: Dual cam engine. Intake and exhaust sold as a set. More midrange and top-end than the MUDBUSTER. Improved power through entire RPM range over stock. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.

### POLARIS

MODEL	YEAR	PART NO.	STAGE
Hawkeye 400	11-12	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Hawkeye 400	11-12	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Ranger 400 4X4	10-12	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Ranger 400 4X4	10-12	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Sportsman 400	08-12	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Sportsman 400	08-12	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Sportsman 450 HO	06-07	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Sportsman 450 HO	06-07	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Outlaw 500	06-07	5045-1IN	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Excellent mid-range to top-end power increase. Uses stock valve springs.
Outlaw 500	06-07	5046-1E	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Excellent mid-range to top-end power increase. Cam uses stock auto-decompression mechanism. Uses stock valve springs.
Predator 500	03-07	5045-1IN	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Excellent mid-range to top-end power increase. Uses stock valve springs.

## HOT CAMS CAMSHAFTS [CONTINUED]

### POLARIS (Continued)

Predator 500	03-07	5046-1E	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Excellent mid-range to top-end power increase. Cam uses stock auto-decompression mechanism. Uses stock valve springs.
Ranger 500 4X4	06-07, 10-12		5426-1: Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Ranger 500 4X4	06-07, 10-12		5427-2: Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Scrambler 500	98-12	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Scrambler 500	98-12	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Sportsman 500	01-12	5426-1	Improved torque in the bottom 1/2 of the RPM range. Almost no loss in high RPM power. Stock valve springs are OK. Supplied with decompression mechanism
Sportsman 500	01-12	5427-2	Improved peak torque and upper 1/2 RPM horsepower. Same low RPM torque as the stock cam. Stock valve springs are OK. Supplied with decompression mechanism.
Sportsman 700	02-04	5033-1	Stage 1: single-cam motor. Better throttle response. Improved low-end snap and power through entire RPM range. Cam specs taken at lifter. Uses stock valve springs.

### SUZUKI

MODEL	YEAR	PART NO.	STAGE
LT 230E, F, S	87-93	2066-1	Stage 1: Single-cam motor. Excellent top-end increase with great mid-range gain. Uses stock valve springs.
LT 4WD Quadrunner	88-97	2066-1	Stage 1: single-cam motor. Excellent top-end increase with great mid-range gain. Uses stock valve springs.
LT-F 250	88-05	2066-1	Stage 1: Single-cam motor. Excellent top-end increase with great mid-range gain. Uses stock valve springs.
LTZ 250	04-09	2066-1	Stage 1: Single-cam motor. Excellent top-end increase with great mid-range gain. Uses stock valve springs.
Ozark 250	02-05	2066-1	Stage 1: Single-cam motor. Excellent top-end increase with great mid-range gain. Uses stock valve springs.
LTZ 400	00-12	2249-11N	This cam replaces the 2047-11N. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2050-1E exhaust cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
LTZ 400	00-12	2250-1E	This cam replaces the 2048-1E. It has better low RPM torque, pulling power, and throttle response. For best results it should be used with the #2049-11N intake cam. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
LTZ 400	00-12	2251-21N	The #2251-21N and #2252-2E are designed to be used as a set. These cams will provide improved full throttle torque and horsepower at all RPM 4000 and up. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
LTZ 400	00-12	2252-2E	The #2251-21N and #2252-2E are designed to be used as a set. These cams will provide improved full throttle torque and horsepower at all RPM 4000 and up. Uses stock DRZ400 valve springs, if installed in LTZ400 you must install DRZ400 valve springs.
LT-R 450	06-09	2072-11N	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Improved mid range gain with great top end gain and over rev. OE fuel mapping is acceptable, but could be fine tuned. Uses stock valve springs.
LT-R 450	06-09	2073-1E	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Improved mid range gain with great top end gain and over rev. Uses stock valve springs. OE fuel mapping is acceptable, but could be fine tuned. Cam uses stock auto decompression mechanism.
Twin Peaks 700	04-05	2031-1S	Mudbuster: Dual cam engine. Intake and exhaust cams sold as a set. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
Twin Peaks 700	04-05	2036-1S	Stage 1: Dual cam engine. Intake and exhaust sold as a set. More midrange and top-end than the MUDBUSTER. Improved power through entire RPM range over stock. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.

### YAMAHA

MODEL	YEAR	PART NO.	STAGE
Raptor 250	08-13	4137-1	"Stage 1: single-cam motor. Stage 1 intended for stock engines without air box or exhaust modifications. Power is improved at all RPM's especially at high RPM. Uses stock valve springs and rockers.
Raptor 250	08-13	4138-1A	Stage 1A: single-cam motor. Stage 1A cam recommended for engines with air box and exhaust modifications. Power improvement at all RPM's depending on engine specifications. Uses stock valve springs and rockers.
Raptor 250	08-13	4118-2	Stage 2: single-cam motor. Stage 2 recommended for engines with air box and exhaust modifications or other internal engine modifications. Power improvement at all RPM's depending on engine specifications. Uses stock valve springs and rockers.
Big Bear 350	00-06	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Bruin 350	04-04	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Raptor 350	04-06	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Raptor 350	04-06	4049-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Designed specifically for the Hot Rods stroker crank and piston kit 4143 and P3001. Uses stock valve springs and rockers.
Raptor 350	07-13	4114-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.

## HOT CAMS CAMSHAFTS (CONTINUED)

### YAMAHA (Continued)

Raptor 350	07-13	4115-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Designed specifically for the Hot Rods stroker crank and piston kit 4143 and P3001. Uses stock valve springs and rockers.
Warrior 350	87-04	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Warrior 350	87-04	4049-2	Stage 2: single-cam motor. Excellent midrange and top-end increase. Designed specifically for the Hot Rods stroker crank and piston kit 4143 and P3001. Uses stock valve springs and rockers.
Wolverine 350	95-06	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Big Bear 400	00-06	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
Kodiak 400	93-99	4017-1	Stage 1: single-cam motor. Excellent midrange and top-end increase. Uses stock valve springs and rockers.
YZF 450	04-09	4023-1IN	Stage 1: Dual cam engine. Intake and exhaust cams sold separately. Excellent midrange and top-end increase. Uses stock valve springs.
YZF 450	04-09	4044-1E	Dual-cam motor: intake and exhaust cams sold separately. Excellent midrange and top-end increase. Exhaust cam includes auto-decompression mechanism. Uses stock valve springs.
YZF 450	04-09	4097-3IN	Stage 3: Dual cam engine. Intake and exhaust cams sold separately. Excellent top-end increase. Uses stock valve springs.
YZF 450	04-09	4098-3E	Stage 3 exhaust: Dual cam motor. Excellent top-end increase. Uses stock valve springs. Includes auto decompression mechanism
YZF 450R	09-13	4233-1INGS	Used as a set the 4233-1INGS and 4234-1EXGS provide improved part throttle torque and low RPM torque. Valve Spring Kit #VSK4003 is required.
YZF 450R	09-13	4234-1EXGS	Used as a set the 4233-1INGS and 4234-1EXGS provide improved part throttle torque and low RPM torque. Valve Spring Kit #VSK4003 is required. Decompression mechanism is included.
YZF 450R	09-13	4235-2IN	Used as a set 4235-2IN and 4236-2E provide the best peak torque and a good overall power band. Stock valve springs are OK.
YZF 450R	09-13	4236-2E	Used as a set 4235-2IN and 4236-2E provide the best peak torque and a good overall power band. Stock valve springs are OK. Decompression mechanism is included.
YZF 450R	09-13	4237-3IN	Used as a set the 4237-3IN and 4238-3E provide the most high RPM power. These cams are best suited for higher speed riding applications and oversize engines. Stock valve springs are OK.
YZF 450R	09-13	4238-3E	Used as a set the 4237-3IN and 4238-3E provide the most high RPM power. These cams are best suited for higher speed riding applications and oversize engines. Stock valve springs are OK. Decompression mechanism included.
Grizzly 660	02-08	4100-1	Single cam moto: True drop-in cam. No valve spring change needed. Improved acceleration, more bottom end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto decompression mechanism.
Grizzly 660	02-08	4034-1	Mudbuster: Single cam engine. Improved acceleration, more bottom-end, and no top-end loss. Must use Raptor 660 center intake valve spring, NOT included. All other valve springs stock. Uses stock auto-decompression mechanism.
Raptor 660	01-05	4011-1	Stage 1: single-cam motor. Excellent midrange and top-end power increase. Uses stock auto-decompression mechanism. Uses stock valve springs.
Raptor 660	01-05	4005-2	Stage 2: single-cam motor. More top-end than Stage 1. Requires Hot Cams spring kit part number SKYFM660S2. Uses stock auto-decompression mechanism.
Raptor 660	01-05	4050-3	Stage 3: single-cam motor. Specifically designed for Hot Rods big bore/stroker kit. Not for stock displacement. Requires Hot Cams valve spring kit part number SKYFM660S2. Uses stock auto-decompression mechanism.
Rhino 660	04-07	4100-1	Single cam moto: True drop-in cam. No valve spring change needed. Improved acceleration, more bottom end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto decompression mechanism.
Rhino 660	04-07	4034-1	Mudbuster: Single cam engine. Improved acceleration, more bottom-end, and no top-end loss. Must use Raptor 660 center intake valve spring, NOT included. All other valve springs stock. Uses stock auto-decompression mechanism.
Grizzly 700	07-13	4126-M	Mudbuster: single cam motor. Improved acceleration, more bottom-end, and no top-end loss. Uses stock valve springs and rockers. Uses stock auto-decompression mechanism.
Grizzly 700	07-13	4127-1	Stage 1: single-cam motor. Excellent midrange power increase. Uses stock valve springs and rockers.
Grizzly 700	07-13	4128-2	Stage 2: single-cam motor. More mid range and great top-end power gains over Stage 1. Uses stock valve springs and rockers.
Raptor 700	06-08	4064-1	Stage 1: single-cam motor. Good midrange and top-end. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.
Raptor 700	06-08	4065-2	Stage 2: single-cam motor. Excellent top-end and great over rev. Uses stock auto-decompression mechanism. Uses stock valve springs and rockers.
Raptor 700	06-08	4091-3	Stage 3: Single cam engine. Drastically improves top-end with over rev. Uses stock auto-decompression mechanism. Uses stock valve springs.
Raptor 700	09-13	4131-1	Stage 1 cam. Single cam engine. Good midrange and top end gains. Uses stock auto decompression mechanism. Uses stock valve springs and rockers.
Raptor 700	09-13	4132-2	Stage 2 cam. Single cam engine. Excellent top end and great over rev. Uses stock auto decompression mechanism. Uses stock valve springs and rockers.
Raptor 700	09-13	4133-3	Stage 3: Single cam engine. Drastically improves top-end with over rev. Uses stock auto-decompression mechanism. Uses stock valve springs.
Rhino 700	08-13	4129-2	Stage 2 cam. Single cam engine. Good low-end torque gains across entire rpm range. Uses stock auto decompression mechanism. Uses stock valve springs and rockers.
Rhino 700	08-13	4130-3	Stage 3 cam. Single cam engine. Good midrange and top end gains. Performs well with modified exhaust and airbox. Uses stock auto decompression mechanism. Uses stock valve springs and rockers.



# PISTONS & RINGS CHART



## PISTONS

CP PISTON	RING PART NO.
CPM1000	CPN2-3740
CPM1001	CPN2-3740
CPM1002	CPN2-3740
CPM1004	CPN2-3780
CPM1005	CPN2-3780
CPM1006	CPN2-3819
CPM1007	CPN2-3819
CPM1009	CPN2-3858
CPM1015A	RS1610XHH-3937
CPM1016A	RS1008-4010-5
CPM1017A	RS1008-4010-5
CPM1018A	RS1008-4010-5
CPM1060	CPUA-2913
CPM2003	CPN-3347
CPM2004	CPN-3347
CPM2005	CPN-3386
CPM2006	CPN-3386
CPM2007	CPN-3425
CPM2008	CPN-3425
CPM2017	CPN2-3701
CPM2019	CPN2-3780
CPM2020	CPNZ-3858
CPM2021	CPN2-3701
CPM2023	CPN2-3780
CPM2024	CPN2-3858
CPM2025	CPN2-2-3701
CPM2033	CPN-3504
CPM2035	CPN2-3701
CPM2036	CPN2-3780
CPM2037	CPN2-3780
CPM2038	CPN2-3858
CPM2039	CPUA-2913
CPM2040	CPUG-2953
CPM2041	CPUG-2992
CPM2045	CPN2-2-3780
CPM2053	CPN2-3780
CPM2054	CPN2-3937
CPM2055	CPN2-3819
CPM3003	CPN2-3701
CPM3004	CPN2-3740
CPM3012	CPN-3228
CPM3013	CPN2-3347
CPM3022	CPN-3267
CPM4010A	CPN2-2-3759
CPM4011A	CPN2-2-3759

CPM4012	CPN2-3858
CP PISTON	RING PART NO.
CPM4013	RS1618XHH-4015-0
CPM4014	RS1000-4170-5
CPM4015A	CPN2-2-3759
CPM4022	RS1000-4170-5
CPM4025	CPN2-2-3780
CPM4026	CPN2-3780
CPM4027	CPN2-3780
CPM4028	CPN2-3543
CPM4029	CPN2-3858
CPM9006	CPN2-2-3819
CPM9008	CPN2-2-3504
CPM9009	CPN2-2-3504
CPM9010	CPN2-2-3504
CPM9011	CPN2-2-3740
CPM9012	CPN2-2-3740
CPM9016	CPNG-3150
CPM9017	CPNG-3150
CPM9018	CPNG-3150
CPM9019	CPNG-3228

JE PISTON	RING PART NO.
132697	XC8500
132699	XC8600
133889	XC8700
177240	XC8800
180297	XC9000
183051	XC9400
190253	JG3701-3937
199655	XC8500
199656	XC8700
199657	XC9200
201158	XS10200
208552	XC8900
209292	XC8500
221767	JG1101-3701
221768	XA6900
221770	JG5001-3780
221771	JG1101-3701
221787	XC8200
221793	XS9700
221795	XS9500
221796	XS9500
221833	XC8000
221834	JG5001-3898
221843	J68001-3910-3
222085	XC8500
222094	XS10000
222388	J70001-4130-5
241658	J99001-4050-5
241660	J99001-4050-5
243651	JC2801-3760
247611	XC8850
247612	XC8900
247616	XS10000
247945	J99001-4010-5
247946	J99001-4010-5
247947	J99001-4090-5
247949	J99001-4090-5
247950	J79061-4150-5
247952	XS9800
247953	XS9700
247956	XS9500
247957	XS9500
252742	JG3701-3760
252743	JG3701-3760
252744	XS9800

252747	JG3701-3937
JE PISTON	RING PART NO.
261524	JG3701-3937
261525	JG3701-3937
261526	JG3701-3937
261527	XS10200
261528	XS10200
261529	XS10200
261532	J70001-4130-5
261551	XS9800
261962	JG1001-3346
261963	JG1001-3366
261964	JG1001-3405
261970	ZV9600
261971	JG5001-3780
261972	JG5001-3780
261975	JG5001-3898
261976	JG3701-3937
262285	JG1101-3701
272145	XH10000
272146	XH10100
272148	XH10200
274173	ZS9500
274174	ZS9500
274189	JG5001-3780
274190	JG5001-3780
274191	JG1001-3346
274192	JG1001-3543
274194	XA7400
274195	XA7400
274203	XG8000
274204	XG8200
274206	XG8000
274207	XG8200
274219	JG4301-3504
274221	JG4301-3504
274615	X59800
A952P12	XC9200
A952P4	XC9000
A952PS	XC8900
J5024PS	XC8700
J5231PS	XC8700
J5526P8700	XC8700
J5679P7800	XC7800
J7018PS	J91001-4130-5
JE5430P2	XQ9650
JE5430PS	XQ9600

ARCTIC CAT  
CAN-AM  
HONDA  
KAWASAKI  
KTM  
KYMCO  
POLARIS  
SUZUKI  
YAMAHA  
BIG BORE  
ACCESSORIES  
TECH.





# CRANKSHAFT BEARINGS

## CRANKSHAFT MAIN BEARINGS DIMENSIONS CHART

SIZE	DESCRIPTION	PART NO.	SIZE	DESCRIPTION	PART NO.	SIZE	DESCRIPTION	PART NO.
17 x 47 x 14		6303C3	30 x 62 x 16	8 Bearings	6206RI	35 x 72 x 17	Grvd, W/Ring C4 fit	6207NRC4
20 x 47 x 14		6204C3	30 x 62 x 16	9 Bearings	6206C3	35 x 72 x 17	4mm Pinhole	6207YR
20 x 47 x 14	Grooved, With Ring	6204NR	30 x 62 x 16	Grooved	6206N	35 x 72 x 17	Pinned	6207JRC4
20 x 52 x 15		6304C3	30 x 62 x 16	Grooved, With Ring	6206NR	35 x 72 x 17	Pinned, 3mm	83A844A
22 x 50 x 14		6222C4	30 x 62 x 16	Grvd, W/Ring, C4 Fit	6206NRC4	35 x 72 x 17	Pinned,	
22 x 56 x 16		6322C4	30 x 62 x 16	Roller Bearing	NJ206	35 x 72 x 17	3mm Grooved W/Ring	6207NLT
22 x 56 x 16		6322X	30 x 64 x 16	O.D. Step	830046	35 x 72 x 27	Pinned, 3mm	5207-1LT
25 x 52 x 15		6205C3	30 x 72 x 16	O.D. Step	SX06C62	35 x 80 x 18		6307X
25 x 52 x 15	Grooved	6205N	30 x 72 x 18		6306RI	35 x 80 x 18.5		6307A
25 x 52 x 15	Grooved, With Ring	6205NR	30 x 72 x 19		6306C3	35 x 80 x 21		6307C3
25 x 55 x 15		83A915	30 x 72 x 19	Grooved	6306N	35 x 80 x 21	Grooved	6307N
25 x 62 x 16		6305RI	30 x 72 x 19	Grooved, With Ring	6306NR	35 x 80 x 21	Grooved, 5mm Pinhole	83B727
25 x 62 x 17		6305C3	30 x 72 x 19	O.D. Step	SX06C42	35 x 80 x 21	Grooved, With Ring	6307NR
25 x 62 x 17	Grooved	6305N	30 x 76 x 17.5		692C3	35 x 80 x 21	Pinned	6307JRC4
25 x 62 x 17	Grooved, With Ring	6305NR	32 x 65 x 17		6232C3	35 x 80 x 21	Pinned, 3mm	83A948
25 x 62 x 17	Grooved, Pinned	83406	32 x 72 x 30	Phenalic, 4mm Pinhole	83B207	39 x 58 x 16	Needle Bearings	8ENK16
25 x 62 x 17	Pinned	83464A	32 x 76 x 17.5		SC093CS	39 x 65 x 18	Needle Bearings	2MEB671
28 x 58 x 16		6228C3	35 x 72 x 17		6207C3	40 x 76 x 17.5		DG407618
28 x 68 x 18		6328C3	35 x 72 x 17	C4 Fit	6207C4	40 x 80 x 18	Grooved, With Ring	6208NC4
28 x 68 x 18	Shield	6328LBA	35 x 72 x 17	Grooved	6207N	40 x 90 x 23		6308C3
28 x 72 x 18		B32872	35 X 72 X 17	Grooved, C4 Fit	6207NC4	40 x 90 x 20		
30 x 62 x 16	Grooved, C4 Fit	6206NC4	35 x 72 x 17	Grooved, With Ring	6207NR			



# BEARINGS, WRIST PINS

### WRIST PIN BEARINGS (O.E.M. REPLACEMENT TOP END BEARINGS)

DETERMINE PART NUMBER BY SIZE

SIZE (MM)	PART NO.
12 x 16 x 15	01215
12 x 17 x 14.7	01203
14 x 18 x 15.7	01154
14 x 18 x 15.7	01403
14 x 18 x 17.2	01303
14 x 18 x 18.2	01257
14 x 18 x 19.6	01151
14 x 19 x 17	01419
15 x 19 x 17.2	01152
15 x 19 x 19.75	01153
15 x 19 x 20	01318
15 x 20 x 17.75	01205
16 x 20 x 19.5	01202
16 x 20 x 22.6	01312
16 x 21 x 19.5	01204
16 x 21 x 19.5	01310
16 x 21 x 22.4	01201
18 x 22 x 19.75	01298
18 x 22 x 22	01209
18 x 22 x 22.6	01181
18 x 22 x 23.6	01337
18 x 23 x 21.5	01251
18 x 23 x 23	01338
18 x 23 x 24	01401
20 x 24 x 23	01328

SIZE (MM)	PART NO.
20 x 25 x 21.7	01322
20 x 25 x 23	01339
20 x 25 x 24	01252
20 x 25 x 25	01320
20 x 25 x 29	01161
21 x 25 x 23.75	01242
22 x 27 x 23	01343
22 x 27 x 24.7	01326

### WRIST PINS (O.E.M. REPLACEMENT PINS)

DETERMINE PART NUMBER BY SIZE

SIZE (MM)	PART NO.
12mm x 40mm	1078
14mm x 39mm	1439
14mm x 39.5mm	1440
14mm x 41mm	1147
14mm x 41mm (Tapered I.D.)	1147A
14mm x 41mm (Heavy I.D.)	1441
14mm x 42mm	1442
14mm x 44.5mm	1148
14mm x 45.75mm	0913
15mm x 44.5mm	1544
15mm x 46mm	1545
15mm x 46.5mm	1546
15mm x 47mm	1547
15mm x 50mm	1550
16mm x 44.5mm	1644

SIZE (MM)	PART NO.
16mm x 46.5mm	1166
16mm x 47mm	1087
16mm x 53mm	1653
16mm x 57mm	1657
16mm x 59mm	1659
18mm x 55.5mm	1855
18mm x 56mm	1149
18mm x 58mm	1159
18mm x 59mm	1146
19mm x 58mm	1958
20mm x 56mm	2056
20mm x 58.5mm	2058
20mm x 69mm	2069
22mm x 64.5mm	2265

### CRANK PINS (O.E.M. REPLACEMENT PINS)

DETERMINE PART NUMBER BY SIZE

SIZE (MM)	PART NO.
22mm x 51mm	1169
22mm x 53mm	1170
22mm x 54mm	1175
22mm x 54.5mm	1168
22mm x 56.5mm	1160
24mm x 45mm	1173
24mm x 48mm	1171
24mm x 52mm	1167
24mm x 56.5mm	1161

SIZE (MM)	PART NO.
24mm x 57mm	1174
24mm x 58mm	2458
24mm x 58.5mm	1163
24mm x 59mm	1179
24mm x 60mm	1162
24.3mm x 51mm	1177
24.3mm x 54mm	1178
25mm x 60.5mm	1165
26mm x 58mm	1164
28mm x 58mm	1172

### THRUST WASHERS (O.E.M. REPLACEMENT WASHERS)

DETERMINE PART NUMBER BY SIZE

SIZE (MM)	PART NO.
22mm x .5mm	TW4953
22mm x 1mm	TW4957
22mm x 1.5mm	TW4966
24mm x 1mm	TW4956
24mm x 1mm (Coated)	TW4942
24mm x 1.5mm	TW4320
25mm x 1mm	TW4968
25mm x 2.5mm	TW2539
26mm x 1mm	TW1574
34mm x .5mm	01565TW
36mm x 1mm	01564TW
38mm x 1mm	01563TW