L.A. SLEEVE
Since 1945

ATV / UTV

CYLINDER SLEEVES & ACCESSORIES

VOLUME 18

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L.A. SLEEVE Since 1945

L.A. SLEEVE offers a complete engine and service department to handle your every need. Together with our cylinder sleeves and sleeve kits we proudly sell these fine products.

LAPC Los Angeles Piston Company · WISECO · NIKS Pro X Pistons • Rods • Clutch Kits · Wössner High Performance Pistons Manufacturing of forged pistons · COMETIC Gasket · CP Pistons · JE Pistons · Vertex Piston & Power · Cylinder Works Standard • Big Bore · The Original Hot Rods Cranks and Rods · Hot Cams Unleash the Power Within · Hinson Clutch Components · Kibblewhite Precision Machining Manufacturer of Valvetrain Components

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L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
ARCTIC CAT FOUR-STROKE																												
90 DVX, AUTO **Alterra 2006-17** 90cc 47mm 1.850"	CI	**FL-5615**																										
150 DVX 2009-17 149cc 62mm 2.440"		**FL-5409**																										
250 4x4,2x4 1999-05 246cc Single 66mm 2.598"	CI	**FL-5019**													Top End 35-0827 Complete w/oil seals 37-1827												
250 DVX, 2x4 2006-09 249cc Liquid Cooled 72.7mm 2.862"	AC	**FL-5613**																										
300 DVX 2009-16 **300 Alterra 2017-18** 270cc Liquid Cooled 72.7mm 2.862"	AC	**FL-5543**																										
300 4x4, 2x4 1998-05 280cc Single 68.5mm 2.697"	CI	**FL-5136**													Top End 35-0826 Complete w/oil seals 37-1826												
350 4X4 2011-12 **366 4x4 2008-11** **400 TRV 2009-14** **400 CORE 2013-15** **400 Alterra 2016-17** 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 90.00 92.00	Std. Std. .040 .080 Std. .080	**12.25:1 Comp.** 5220A 5220B 5224 **13.5:1 Comp.**	**12.25:1 Comp.** 65.2700A 65.2700B 65.2700.100	**12.25:1 Comp.** 4713M09000 4713M09200 **13.5:1 Comp.** 4714M09000 4714M09200	3543XR 3622XR 3543XR 3622XR	**12.5:1 Comp.** CPM4028	**12.25:1 Comp.** 8563DA 8563DB	**12:1 Comp.** 180297 199657		Top End C7978 (92mm) w/ seals C7978-EST	Top End 35-3402 Complete w/oil seals 37-3402	Cylinder Works **40001** (Std. 90mm) Cylinder Works Complete Kit **40001-K01** (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)	Pro-X 04921	6306RI **Bearing / Seal Kit** 49K049		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	

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

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ARCTIC CAT FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
		TOP END															VALVE TRAIN				BOTTOM END				CLUTCH			
400 DVX 2x4 2004-08 **Big Bore 434cc to 456cc** 94mm 3.700" **434cc 94.00mm** **440cc 94.50mm** **443cc 95.00mm** **453cc 96.00mm** *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**FL-5430B**		94.00 94.50 95.00 95.50 94.50	.160 .180 .200 .220 .180		**12.5:1 Comp.** 65.2700.400 65.2700.500 65.2700.550	**12.5:1 Comp.** 4795M09450 **13.5:1 Comp.** 4796M09450	3720XP 3720XP	**12.5:1 Comp.** CPM3003	**12.5:1 Comp.** 8563D400	**12:1 Comp.** 183051 **13:1 Comp.** 243651		Top End C7963 (95mm) Top End GS5430 (97mm)		L.A. SLEEVE Iron Bore **41001SL** (94mm) L.A. SLEEVE Complete Kit **LAS-41001** (434cc, 94mm) Cylinder Works Complete Kit **41001-K01** (434cc, 94mm)	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)	CC-3403	HR4059 Stroker HR4259 +4mm (460cc @94mm)	Pro-X 04921	6306RI Bearing / Seal Kit **49K049**		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	
Bearcat 1996-98 **454 4x4** **Bearcat 1997-98** **454 2x4** 454cc Liquid Cooled 84mm 3.307"	CI	**FL-5326**												Top End C7308	Complete w/oil seals 37-1800													
XC 450 2011-18 443cc Liquid Cooled 89mm 3.504"		**FL-5766**																										
450 Alterra 2016 **450 CORE 2013-15** **450i 2011-12** **450 TRV 2011-12** 443cc Liquid Cooled 89mm 3.504"		**FL-5766**																										
500 H1 2013-17 **500 XT 2013-17** **500 TRV 2013-17** **500 Alterra 2016-17** 443cc Liquid Cooled 89mm 3.504"		**FL-5766**																										
Prowler 500 2014-17 **500 HDX 2016-17** 443cc Liquid-Cooled 89mm 3.504"	AC	**FL-5766**																										
500 4x4 1998-09 **500 4x4 Auto 2000-09** 493cc Liquid Cooled 87.5mm 3.444"	AC	**FL-5370**													Top End 35-0828 Complete w/oil seals 37-1828 (manual) 37-1839 (auto)											

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: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
550 Prowler H1 2009-15 **550 H1 LE 2009-15** **550 TRV 2009-17** **550 LTD, XT 2012-14** 545cc Liquid Cooled 92mm 3.622"		AC	**FL-5328**		92.00	Std.			**Stock Comp.** 40107M09200																		
650 4x4 2004-06 **650 4x4 Auto 2004-06** 633cc Twin Liquid Cooled 80mm 3.150"		AC	**KA-5508**																	2031-1S (Mudblaster) 2036-1S (Stage 1)							
650 H1, 4x4 2007-11 **650 Prowler 2006-09** 641cc Single Liquid Cooled 98mm 3.858"		AC	**FL-5612**		98.00	Std.			**Stock Comp.** 40099M09800						Top End C7220												
700 EFI, 4x4 2006-13 **700 Mud Pro 2009-17** **700 Prowler XTX 2008-17** **700 HDX 2014-17** **700 Alterra 2016-17** **700 VLX 2017** **TRV Cruiser 2009-15** 695cc Single Liquid Cooled 102mm 4.015"		AC	**FL-5595**		102.00	Std.			**11.5:1 Comp.** 40080M10200	10200XS	**11.5:1 Comp.** CPM4013				Top End C3597-EST (Prowler)												
700 4x4, Mud Pro 2006-17 **700 Prowler 2008-17** **Big Bore to 750cc** 106mm 4.170"		BB	**FL-5595B**		106.00 106.00	.160 .160					**11.5:1 Comp.** CPM4014 **12.5:1 Comp.** CPM4022				Top End C3128-EST												
Wildcat 700 2014-17 700cc Twin Liquid Cooled 76.9mm 3.028"			**F-5792**																								
1000 H2 2009-17 **Prowler XTZ 2009-17** **Wildcat 2013-14** **Thundercat 2009-10** **Mud Pro 2009-17** **TRV Cruiser 2011-15** **Alterra 2016-17** **1000 XT 2013-17** 951cc Twin Liquid Cooled 92mm 3.622"		AC	**FL-5413**		92.00	Std.			**12.5:1 Comp.** 40081M09200 (Thru 2014)	9200XX																	

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
BOMBARDIER • CAN-AM FOUR-STROKE																													
DS90 **2002-05** 90cc 47mm 1.850"	CI	**FL-5615**																											
DS90 **2006-07** 90cc 50mm 1.968"	CI	**FL-5616**																											
DS90 **2008-17** 90cc 49.5mm 1.949"	CI	**FL-5696**																											
Rally 200 **2004-07** 176cc Single Liquid Cooled 62mm 2.440"	AC	**FL-5617**																											
DS250 **2006-17** 249cc Single Liquid Cooled 71mm 2.795"	CS	**FL-5618**																											
Outlander **2003-05** **330 H.O.** 325cc Single Liquid Cooled 82mm 3.228"	CS	**FL-5620**		82.00 82.50	Std. .020			**Stock Comp.** 40029M08200 40029M08250	8200XX 8250XX																				
Outlander **2005-15** **400 H.O. EFI** 400cc Single Liquid Cooled 91mm 3.582"	CS	**FL-5619**		91.00 92.00 93.00	Std. .040 .080			**11.5:1 Comp.** 40030M09100 40030M09200 40030M09300	9100XX 9200XX 9300XX			**11.5:1 Comp.** 292761 292762			Top End C3489-EST C3490-EST (93mm)	Top End 35-0957		Steel Intake 91-91162 Steel Exhaust 91-91166	Valve Guide Intake 91-91170 Exhaust 91-91180									
				91.00 92.00 93.00	Std. .040 .080			**13:1 Comp.** 40031M09100 40031M09200 40031M09300	9100XX 9200XX 9300XX			**12.5:1 Comp.** 300183			C3491-EST (94mm)			Valve Spring Kit 91-91156										
Outlander 450 HD5 **2015-17** **Defender 450 HD5** **2017** 427cc Single Liquid Cooled 94mm 3.700"	CS	**FL-5788**																											
DS450 **2008-15** 449cc Single Liquid Cooled 97mm 3.818"	AC	**FL-5672**		97.00 97.00 97.00 97.00	Std. Std. Std. Std.			**11.8:1 Comp,** 40026M09700 **13:1 Comp.** 40027M09700	3819XS 3819XS	**12.5:1 Comp.** CPM9013 **13:1 Comp.** CPM9014 **13.6:1 Comp.** CPM9015 (Race Piston Only)		**12.5:1 Comp.** 274185 (3 ring) 274187 (2 ring) **13:1 Comp.** 274186 (3 ring) 274188 (2 ring)			Top End C3266-EST			Steel Intake 91-91112 Steel Exhaust 91-91116 Valve Spring Kit 91-91000	Valve Guide Intake 91-91120 O/S+.001 91-91121 Exhaust 91-91130 O/S+.001 91-91131									
Outlander **2007-15** **500 H.O. EFI** **Renegade** **2008-15** **500 H.O. EFI** 500 cc V-Twin Liquid Cooled 82mm 3.228"	CS	**FL-5620**	5620K-1	82.00 82.50 83.00	Std. .020 .040			**Stock Comp.** 40028M08200 40028M08250 40028M08300								Top End 35-0954 Complete w/oil seals 37-1954		Steel Intake 91-91162 Steel Exhaust 91-91166 Valve Spring Kit 91-91150 (07-10)	Valve Guide Intake 91-91170 O/S+.001 91-91171 Exhaust 91-91180 O/S+.001 91-91181									

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
BOMBARDIER • CAN-AM FOUR-STROKE (CONTINUED)																												
Outlander 570 EFI 2016-17 **Renegade 570 EFI 2016-17** 570 cc V-Twin Liquid Cooled 84mm 3.307"	CS	**FL-5789**																										
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 (02-07) Complete w/oil seals 37-1853		Steel Intake 91-91015 Steel Exhaust 91-91017											
DS650 **Big Bore to 719cc** **105mm 4.134"**	BB	**FL-5467B**		105.00	.200							JE5467PS		Top End C7722														
Outlander 2006-17 **650 H.O. EFI** 650cc V-Twin Liquid Cooled 82mm 3.228"	CS	**FL-5620**	5620K-2	82.00 82.50 83.00	Std. .020 .040			**Stock Comp.** 40029M08200 40029M08250 40029M08300	8200XX 8250XX 8300XX						Top End 35-0954 Complete w/oil seals 37-1954		Steel Intake 91-91162 Steel Exhaust 91-91166 Valve Spring Kit 91-91150 (06-10)	Valve Guide Intake 91-91170 O/S+.001 91-91171 Exhaust 91-91180 O/S+.001 91-91181									
Outlander 2006-15 **800 H.O. EFI** **Renegade 2008-15** **800 H.O. EFI** **Commander 800 2011-17** 800cc V-Twin Liquid Cooled 91mm 3.582"	CS	**FL-5619**	5619K	91.00 92.00 93.00	Std. .040 .080			**11.5:1 Comp.** 40030M09100 40030M09200 40030M09300				**11.5:1 Comp.** 292761 292762			Top End 35-0956 Complete w/oil seals 37-1956 (06-11) 37-1957 800R (12-15)		Steel Intake 91-91162 Steel Exhaust 91-91166 Valve Spring Kit 91-91150	Valve Guide Intake 91-91170 O/S+.001 91-91171 Exhaust 91-91180 O/S+.001 91-91181									
				91.00 92.00 93.00	Std. .040 .080			**12.5:1 Comp.** 40031M09100 40031M09200 40031M09300				**12.5:1 Comp.** 300183 (843cc)																
				93.00	.080							**13.5:1 Comp.** 300184 (843cc)																
Defender 2016-17 **800 HD8** **Traxter 800 HD8 2016** 800 cc V-Twin Liquid Cooled 91mm 3.582"	CS	**FL-5619**																										
Outlander 2016-17 **850 EFI** **Renegade 2016-17** **850 EFI** 854cc V-Twin Liquid Cooled 91mm 3.582"	CS	**FL-5790**																										

BOMBARDIER • CAN-AM FOUR-STROKE (CONTINUED)

MODEL / Engine Description / Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
1000R 2011-17 **Commander 1000 2011-17** **Maverick 1000R 2013-17** **Outlander 1000 2012-17** **Renegade 1000 2012-17** **Defender HD10 2016-17** 976cc V-Twin Liquid Cooled 91mm 3.582"	CS	**FL-5775**		91.00	Std.							**9:1 Comp.** 308411		Top End (Commander Maverick) 2011-16 C3459-EST C3460-EST (93mm) C3461-EST (94mm)	Top End 35-0956 Complete w/oil seals 37-1957 (Commander) 37-1363 (11-16) (Maverick) 37-1363 (13-16)		Steel Intake 91-91162 Steel Exhaust 91-91166 Valve Spring Kit 91-91150 (Maverick Only) Steel Intake 91-91212 Steel Exhaust 91-91216 Valve Spring Kit 91-91200	Valve Guide Intake 91-91170 O/S+.001 91-91171 Exhaust 91-91180 O/S+.001 91-91181 (Maverick Only) Valve Guide IN/EX 91-91220 O/S+.001 91-91221								
				91.00	Std.							**10.2:1 Comp.** 308412															
				91.00 93.00	Std. .080			Commander **11:1 Comp** 40153M09100 40153M09300				Commander **12.5:1 Comp.** 308414 308415															
				91.00	Std.			Maverick **12:1 Comp** 40152M09100				Maverick **12.5:1 Comp** 324953															

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MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	BOTTOM END CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
HONDA TWO-STROKE																							
ATC-250R 1981-84 247cc Single 70mm 2.756” *Special heavy O.D. to repair broken cylinder skirt*	CI CS	**H-106** **H-106H**	106K	70.00 70.50 71.00 71.50 72.00	Std. .020 .040 .060 .080			431M07000 431M07050 431M07100 431M07150 431M07200	2756CD 2776CD 2795CD 2815CD 2835CD	8154DA 8154D050 8154D100 8154D150 8154D200	T.E. Bearing 01181		Top End C7021			Hot Rods HR8160		6328C3				
ATC-250R 1985-86 **Four Trax 250R 1986** 246cc Liquid Cooled 66mm 2.598” *Special heavy O.D. to repair broken cylinder skirt*	CI CS	**H-845** **H-845H**	845K	66.00 66.25 66.50 66.75 67.00 67.25 67.50 68.00 68.50 69.00 69.50	Std. .010 .020 .030 .040 .050 .060 .080 .100 .120 .140	0280 0283 0286 0641 0288		526M06600 526M06625 526M06650 526M06675 526M06700 526M06725 526M06750 526M06800 526M06850 526M06900 526M06950	2598CD 2608CD 2618CD 2628CD 2638CD 2648CD 2658CD 2677CD 2697CD 2717CD 2736CD	8156DA 8156D025 8156D050 8156D075 8156D100 8156D125 8156D150 8156D200	T.E. Bearing 01181		Top End C7349 C7350 (69.5mm)	Top End 35-0814 Complete w/oil seals 37-8814	**HR4006**	Pro-X 04980 Hot Rods HR8103	39-4980X	6328C3 Bearing / Seal Kit **494971**	094971	Basket 31-014 Clutch Spring Kit CSKP-007	
ATC-295R 1985-86 **Big Bore** **TRX-295R 1986** **Big Bore** 295cc to 310cc 72mm 2.835” *(Head modification required)*		**H-845B**		72.00 72.25 72.50 73.00 73.50 72.00 72.25 72.50	Std. .010 .020 .040 .060 Std. .010 .020		**Forged** W845PS W845P1 W845P2 W845P4 W845P6 **Cast** PX845PS PX845P1 PX845P2		2835CD 2844CD 2854CD 2874CD 2894CD 2835CD 2844CD 2854CD		T.E. Bearing 01181		Top End GS845			Pro-X 04980 Hot Rods HR8103	39-4980X	6328C3 Bearing / Seal Kit **494971**	094971	Basket 31-014 Clutch Spring Kit CSKP-007	
Four Trax 1987-89 **TRX-250R** 246cc Liquid Cooled 66mm 2.598” *Special heavy O.D. to repair broken cylinder skirt*	CI CS	**H-5032** **H-5032H**	5032K	66.00 66.50 67.00 67.50 68.00	Std. .020 .040 .060 .080			562M06600 562M06650 562M06700 562M06750 562M06800	2598CD 2618CD 2638CD 2658CD 2677CD	8189DA 8189D050 8189D100 8189D150 8189D200	T.E. Bearing 01181		Top End C7349	Top End 35-0814 Complete w/oil seals 37-8814	**HR4007** Stroker Crank (260cc, +4mm) **HR4107**	Hot Rods HR8109 Pro-X 04971	39-4971	6328C3 Bearing / Seal Kit **494971**	094971	Basket 31-014 Clutch Spring Kit CSKP-007	
TRX-295R 1987-89 **Big Bore** 295cc to 310cc 72mm 2.835” *(Head modification required)* Must use Base Plate No.BSP845 with W845 Piston		**H-5032B**		72.00 72.25 72.50 73.00 73.50	Std. .010 .020 .040 .060		W845PS W845P1 W845P2 W845P4 W845P6		2835CD 2844CD 2854CD 2874CD 2894CD		T.E. Bearing 01181		Top End GS845 Base Plate BSP845			Hot Rods HR8109 Pro-X 04971	39-4971	6328C3 Bearing / Seal Kit **494971**	094971	Basket 31-014 Clutch Spring Kit CSKP-007	
Odyssey 250 1977-84 247cc 70mm 2.756”	CI	**H-91**	91K	70.00 70.50 71.00 71.50 72.00	Std. .020 .040 .060 .080			338M07000 338M07050 338M07100 338M07150 338M07200	2756CD 2776CD 2765CD 2815CD 2835CD	8153DA 8153D050 8153D100	T.E. Bearing 01181		Top End C7140					6306C3				
ATC-300 1981-84 **Honda Kit Cylinder** 299cc 76mm 2.992”	CS	**H-115**											Top End GS115									
Odyssey 350 1985-86 329cc Single 78.5mm 3.090”	CS	**H-896**	896K	80.00 80.50 81.00 81.50 82.00	.060 .080 .100 .120 .140			533M08000 533M08050 533M08100 533M08200	3150TD 3169TD 3189TD 3228TD		T.E. Bearing 01181		Top End C7229					Left 6307N Right 6306C3				
Pilot FL-400 1989-92 397cc Liquid Cooled 80mm 3.150”	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				

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
HONDA FOUR-STROKE																												
ATC-70 1978-85 **TRX-70** 1986-87 72cc Single 47mm 1.850"	CC	**H-100**												Top End C7228 ATC C7227 TRX			(IN / EX Set) 07-001					Pro-X 31050	6304C3				
TRX-90R 1993-06 **TRX-90EX, X** 2007-17 86cc Single 47mm 1.850"	CC	**H-5229**												Top End C7226-EST	Top End 35-0842 (93-05) 35-0906 (06-16)		(IN / EX Set) 07-023						6304C3				
ATC-110 1979-85 105cc Single 52mm 2.047"	CS	**H-102**		52.00 52.25 52.50 52.75 53.00 53.25 53.50	Std. .010 .020 .030 .040 .050 .060	**(81-85)** 2410 2411 2412 2415 2416																						
ATC-125M 1984-85 124cc Single 55mm 2.165"	CS	**H-840**																										
ATC-125M 1986-87 125cc Single 54mm 2.126"	CS	**H-987**												Top End C7225									6328C3				
TRX-125 1985-86 124cc Single 55mm 2.165"	CS	**H-840**												Top End C7224													
TRX-125 1987-88 125cc Single 54mm 2.126"	CS	**H-987**												Top End C7223									6328C3				
ATC-185 1980-83 180cc Single 63mm 2.480"	CS	**H-3**		63.00 63.25 63.50 63.75 64.00 64.25 64.50 65.00 65.50 66.00 66.50	Std. .010 .020 .030 .040 .050 .060 .080 .100 .120 .140	 2421 2423 2424 2425 2426		**10.25:1 Comp.** 4362M06500 4156M06550 4156M06600 4156M06650	 2559XC 2579XC 2598XC 2618XC					Top End C7025	Top End 35-1270		(IN / EX Set) 07-004 Valve Springs 30-4021	Valve Guide IN / EX 30-4069 O/S +.001 30-4070				Pro-X 01351	6328C3			
ATC-200, E, ES, M 1981-86 **TRX-200** 1984 192cc Single 65mm 2.559"	CI	**H-103**	103K (10.25:1)	65.00 65.25 65.50 65.75 66.00 66.25 66.50 67.00 65.00 65.50 66.00	Std. .010 .020 .030 .040 .050 .060 .080 Std. .020 .040	**10.25:1 Comp.** 2430 2431 2432 2433 2434 2435 2436		**10.25:1 Comp.** 4362M06500 4156M06550 4156M06600 4156M06650 4156M06700 **12:1 Comp.** 4289M06500 4289M06550 4289M06600	 2559XC 2579XC 2598XC 2618XC 2638XC 2559XC 2579XC 2598XC					Top End C7025	Top End 35-1270		(IN / EX Set) 07-004 Valve Springs 30-4021	Valve Guide IN / EX 30-4069 O/S +.001 30-4070				Pro-X 01351	6328C3			
ATC-200X 1986-87 **TRX-200SX** 1986-88 **Fat Cat 200** 1986-87 199cc Single 65mm 2.559"	CS	**H-989**	989K (10.25:1)	65.00 65.25 65.50 65.75 66.00	Std. .010 .020 .030 .040	**10.25:1 Comp.** 2440 2441 2442 2443 2444		**10.25:1 Comp.** 4394M06500 4394M06550 4394M06600	 2559XC 2579XC 2598XC					Top End C7222	Top End 35-1268		(IN / EX Set) 07-015						6328C3				

L.A. SLEEVE Since 1945

HONDA FOUR-STROKE (CONTINUED)

MODEL / Engine Description / Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
TRX-200 1990-91 **TRX-200D 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			
ATC-250, SX, ES 1985-87 **TRX-250 1985-87** 246cc Single 74mm 2.913"	RS	**H-5028**		74.00	Std.									Top End C7026	Complete w/oil seals 37-1802							Pro-X 01354					
Four Trax 1987-88 **250X 1991-92** 246cc Single 74mm 2.913"	RS	**H-5028**	5028K	74.00 74.50 75.00 75.50 76.00	Std. .020 .040 .060 .080		2460 2464 2466	**12:1 Comp.** 4440M07400 4440M07450 4440M07500 4440M07550 4440M07600	2913XC 2933XC 2953XC 2973XC 2992XC					Top End C7143-EST	Top End 35-1430		(IN / EX Set) 07-0162 (1987-92) Valve Springs 30-3041	Valve Guide IN / EX 30-3030 O/S +.001 30-3031	Hot Cams Camshaft 1058-1	CC-021		Pro-X 01354	6328C3			
TRX-250D Recon 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		2610 2612 2614								Top End 35-0841 (97-01) 35-0888 (02-09) Complete w/oil seals 37-1905 (02-09)		(IN / EX Set) 07-026 (02-09)			CC-026			6207C3			
TRX-250EX, 2001-17 **X, Sportrax** 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			**11.5:1 Comp.** 221768		Top End C3153-EST	Top End 35-0888 Complete w/oil seals 37-1888 (01-02) 37-1905 (03-17)		(IN / EX Set) 07-026			CC-026			6207C3			
				68.50 69.00 69.50	Std. .020 .040			**10:1 Comp.** 40061M06850 40061M06900 40061M06950 **(09-14)**	2698XA 2717XA 2736XC																		
TRX-300 1988-00 **TRX-300, FW 2 Valve** 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 4629M07500 4629M07550 4629M07600	2913XC 2933XC 2953XC 2973XC 2992XC						Top End 35-1400 Complete w/oil seals 37-1400		(IN / EX Set) 07-020			CC-1393		Pro-X 01357			Friction Kit 615036	
TRX-300 EX, X 1993-09 **4 Valve** 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.** 2590 2591 2592 2496	**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 CPM2040 CPM2041	**11:1 Comp.** 8675DA 8675D050 8675D100 8675D150 8675D200			Top End C7143-EST (75mm) C7906-EST (78mm)	Top End 35-1430 Complete w/oil seals 37-1430		(IN / EX Set) 07-0162 Valve Springs (93-97) 30-3041	Valve Guide IN / EX (93-97) 30-3030 O/S +.001 30-3031	Hot Cams Camshaft 1058-1	CC-1393		Pro-X 01357				
TRX-300 EX, X 1993-09 Big Bore to 330cc 80mm 3.150" *(Case Modification Required)*	BB	**H-5062B**		80.00	.240							**11.5:1 Comp.** 221833		Top End GS5062					Hot Cams Camshaft 1058-1								

L.A. SLEEVE Since 1945

HONDA FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
ATC-350X 1985-86 **Four Trax 350 1986-89** 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			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																			
ATC-350X 1985-86 **Four Trax 1986-89** **350** **Big Bore to 425cc, 432cc, 452cc** **89mm to 92mm** *(Case Modification Required)*	BB	**H-952H**		89.00 90.00 92.00								A952PS A952P4 A952P12 (Special Order Only)		Top End GS952											Friction Kit 615036 (TRX)	
TRX350TM 2000-06 **Rancher** **TRX350ES 2000-09** **Rancher** 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	**8.8:1 Comp.** 4933M07850 4933M07900 4933M07950	3071XC 7900XX 7950XX		**8.8:1 Comp.** 8871DA 8871D050 8871D100				Top End 35-0867 Complete w/oil seals 37-1867						CC-1480 (00-06)	HR4409	Hot Rods HR8698	Bearing / Seal Kit **49K078**		Friction Kit 615036	
TRX-400FW 4x4 **Foreman 400 1995-04** 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 Complete w/oil seals 37-1858		(IN / EX Set) 07-024				CC-1485					Friction Kit 615036	
TRX-400 EX 1999-09 **TRX-400 X 2009-14** **4 Valve** 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		**11:1 Comp.** 8604DA 8604D050 8604D100 8604D200	**10.5:1 Comp.** 132697 132699 133889		Top End w/seals C7825-EST (SS Head) C7924-EST (87mm)	Top End 35-1496 Complete w/oil seals 37-1829 **(89-04)** 37-1894 **(05-14)**		Intake 28-14952 Exhaust 28-14951 Set 28-1495S Valve Springs 30-3111	Valve Guide IN / EX 30-3120 O/S +.001 30-3121	Hot Cams Camshaft 1007-1 (Stage 1) 1043-2 (Stage 2) 1051-3 (Stage 3)	CC-1496	HR4040	Hot Rods HR8609	Bearing / Seal Kit **49K014**		Hinson Basket 31-056 (99-04) 31-057 (05-14)	Inner Hub 18-1499 (99-05) (Pro-X) Clutch Spring Kit CSKP-009
				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		**12.5:1 Comp.** 8702DA 8702D050 8702D100 8702D200	**12:1 Comp.** 199655 199656																
TRX-400EX 1999-13 **Big Bore to 440cc** 88mm 3.464"	BB	**H-5445**		88.00	.120			**10:1 Comp.** 4606M08800	3465XC					Top End C7826 (SS Head) w/ seals C7826-EST			Intake 28-14952 Exhaust 28-14951 Set 28-1495S Valve Springs 30-3111	Valve Guide IN / EX 30-3120 O/S +.001 30-3121	Hot Cams Camshaft 1007-1 (Stage 1) 1043-2 (Stage 2)	CC-1496	HR4040		Bearing / Seal Kit **49K014**		Basket 31-056 (99-04) 31-057 (05-14)	Inner Hub 18-1499 (Pro-X) Clutch Spring Kit CSKP-009
				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		**11:1 Comp.** 8604D300 8604D400	**11:1 Comp.** 177240 247611 247612																
				89.00	.160			**12.5:1 Comp.** 4794M08900	8900XX		**12.5:1 Comp.** 8702D400	**12:1 Comp.** 208552																
FourTrax 400 2004-07 **Rancher AT/FA/FG** 397c Single 85mm 3.346"	RS	**H-5630**	5630K	85.00 85.50 86.00	Std. .020 .040		**Stock Comp.** 65.1870A 65.1870.050 65.1870.100								Top End 35-0902					CC-1480						
FourTrax 420 2007-13 **Rancher 2009-17** **AT 420** 420cc Liquid Cooled 86.5mm 3.406" *Re-sleeving required for oversizes* 87.50, 88.00, 88.50mm	CI	**H-5497**	5497K (09-16)	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.** 65.1872A 65.1872.050 65.1872.100	**Stock Comp.** 40050M08650 40050M08700 40050M08750 40050M08800 40050M08850	8650XX 8700XX 8750XX 8800XX 8850XX		**Stock Comp.** 8869DA 8869D050				Top End 35-0943 (09-16) Complete w/oil seals (FE, FM, TE, TM) 37-1943 **(FA, Auto)** 37-1947						CC-1487			Bearing / Seal Kit **49K086**		Friction Kit 615036	

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
HONDA FOUR-STROKE (CONTINUED)																											
TRX-450, 1998-04 **ES, S Foreman** 433c 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	9000XX 9050XX 9100XX 9150XX 9200XX					Top End 35-0859 Complete w/oil seals 37-1859					CC-1485				Friction Kit 615036	
TRX-450R 2004-05 450cc Liquid Cooled 94mm 3.700" *Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets* ***Resleeving required for oversizes***	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 CPM2023	**10.5:1** 8609DA	**11.5:1 Comp.** 221771		Top End C7877-EST (94mm) C7199-EST (95mm) C7878-EST (96mm) C7201-EST (97mm) C3079-EST (100mm) C3076-EST (101mm)	Top End 35-1494 Complete w/oil seals 37-1494	Cylinder Works Plated Bore **10003** (Std. 94mm) Cylinder Works Complete Kit **10003-K01** (Std. 94mm) **Big Bore** Complete Kit **11003-K01** (479cc, 97mm) Cylinder **11003-SL98** (489cc, 98mm) Cylinder **11003-SL99** (499cc, 99mm)	Intake 30-30750 Exhaust 30-30753 Valve Springs 30-30720	Valve Guide Intake 30-30730 O/S +.001 30-30731 Exhaust 30-30740 O/S +.001 30-30741	Hot Cams Camshaft 1016-1 (Stage 1) 1024-2 (Stage 2) 1056-3 (Stage 3) Shim Kit HCSHIM02 (9.48mm)	CC-1494	Stock HR4060 Stroker HR4160 471cc +3mm	Hot Rods HR8632	Bearing / Seal Kit **49K046**		Friction Kit 614948 Hinson Basket 31-224 Clutch Spring Kit CSKP-006	Hinson Inner Hub 31-165 Pressure Plate 31-164002 Hub/Plate Kit 31-223
				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															
				94.00 96.00	Std. .080			**13.5:1 Comp.** 4851M09400	3701XR	**13:1 Comp.** CPM2017 CPM2019		**13:1 Comp.** 221767 221770															
				94.00	Std.					**13.5:1 Comp.** CPM2025															
TRX-450R to 480cc 97mm 479cc 98mm 489cc 99mm 499cc *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, & Top End Gasket Kit.*	BB	**H-5561**		97.00 98.00 99.00	.120 .160 .200					**13:1 Comp.** CPM2055	**11:1 Comp.** 8610DA	**12:1 Comp.** 221834															
TRX-450R 2006-14 **TRX-450ER 2006-14** 450cc Liquid Cooled 96mm 3.780" *Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets* ***Resleeving required for oversizes***	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	**12:1 Comp.** 8660DA	**13:1 Comp.** 274613 274615		Top End C3139-EST (96mm) C3141-EST (98mm)	Top End 35-1497 Complete w/oil seals 37-1497	Cylinder Works Plated Bore **10005** (Std. 96mm) Cylinder Works Complete Kit **10005-K01** (Std. 96mm)	Intake 30-30950 Exhaust 30-30953 Valve Springs 30-30920	Valve Guide Intake 30-30930 O/S +.001 30-30931 Exhaust 30-30940 O/S +.001 30-30941	Hot Cams Camshaft (06-07) 1016-1 (Stage 1) 1024-2 (Stage 2) (08-14) 1105-1 (Stage 1) 1106-2 (Stage 2) 1107-3 (Stage 3) Shim Kit HCSHIM02 (9.48mm)	CC-1403	Stock HR4070 Stroker HR4170 470cc +3mm	Hot Rods HR8660 Pro-X 03.1405	Bearing / Seal Kit **49K047**		Friction Kit 614948 Hinson Basket 31-224 Clutch Spring Kit CSKP-006	Hinson Inner Hub 31-165 Pressure Plate 31-164002 Hub/Plate Kit 31-223
				96.00	Std.	**13.5:1 Comp.** 01.1497A	**13.5:1 Comp.** 65.1853A	**13.5:1 Comp.** 4905M09600	9600XS	**13:1 Comp.** CPM2037	**13.5:1 Comp.** 8674DA	**13.5:1 Comp.** 274614															
				96.00	Std.					**13.5:1 Comp.** CPM2053															
				96.00	Std.					**14:1 Comp.** CPM2045 (Full Race)															
TRX-450R 2006-14 **Big Bore to 477cc** **99mm** *Repair Sleeve for Athena 490cc Big Bore Cylinder Reduces Bore to 98mm-99mm* *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**H-5537B**		99.00	.120							**12.5:1 Comp.** 325026		Top End C3272-EST (99mm) C3156-EST (101mm)		Complete Kit **11005-K01** (477cc, 99mm)										
	AC	**H-5581**		98.00	.120							**13:1 Comp.** 247615															

L.A. SLEEVE Since 1945

HONDA FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
TRX-500 FE, FM 2005-11 **FourTrax Foreman 4x4** 475cc Air Cooled 92mm 3.622"		RS	**H-5591**	5591K **(FE)** 5591K-1 **(FM)**	92.00 92.50 93.00	Std. .020 .040		**Stock Comp.** 65.1871A 65.1871.050 65.1871.100								TopEnd 37-0896 Complete w/oil seals **(FE)** 37-1896 **(FM)** 37-1897							HR4410	Hot Rods HR8699	Bearing / Seal Kit **49K079**		Friction Kit 615037	
TRX-500 FE, FM, FA 2012-17 **FourTrax Foreman 4x4** **Foreman Rubicon** **Pioneer 500 2015-17** 475cc Liquid Cooled 92mm 3.622"		CS	**H-5767**		92.00 92.50 93.00	Std. .020 .040		**Stock Comp.** 65.1873A 65.1873.050 65.1873.100																				
TRX-500FA 2002-14 **FourTrax** **Foreman Rubicon** 499cc Liquid Cooled 92mm 3.622"		CS	**H-5504**	5504K	92.00 92.50 93.00	Std. .020 .040					**Stock Comp.** 8902DA 8902D050 8902D100					Top End 35-0843 Complete w/oil seals 37-1843										Friction Kit 615037	
FourTrax Rincon 2003-05 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									
FourTrax 2006-17 **Rincon 680** **Big Red MUV 2009-13** **Pioneer 700 2014-17** 675cc Single Liquid Cooled 102mm 4.015"		CI	**H-5621**		102.00 103.00	Std. .040		**10.1 Comp.** 40066M10200 40066M10300	10200XS 10300XS					Top End C3475-EST			(IN / EX Set) 07-027		Hot Cams Camshaft 1030-1									
TRX-700X 2008-12 686cc Liquid Cooled 102mm 4.015" *Cylinder Works Cylinder Kits Include Cylinder, Piston Kit and Gaskets*		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 40075M10300 40075M10400	10200XS 10300XS 10400XS	**11:1 Comp.** CPM2075	**12:1 Comp.** 308417 308418				Top End C3475-EST (102mm) C3286-EST (104mm)		Cylinder **10009** (Std. 102mm) Cylinder Works Complete Kit **10009-K01** (Std. 102mm) **Big Bore** Cylinder Works Complete Kit **11009-K01** (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 **(08-09)** 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 **49K060**		Friction Kit 614948	Clutch Spring Kit CSKP-006
TRX-700XX 2008-09 **Big Bore** 106mm 4.170"		BB	**H-5689B**		106.00	.160		**13:1 Comp.** 65.1854.400								Cylinder **11009-106**												

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★		SLEEVE	REBUILD KIT Sleeve • Piston • Gasket T.E. Bearing	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	T.E. BEARING			COMETIC GASKET	L.A. SLEEVE GASKET	BOTTOM END CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
KAWASAKI TWO-STROKE																							
KFX-50 2003-06 49cc 41mm 1.614"	CC	**FL-5492**		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									
KFX-80 2003-06 82cc 50mm 1.968"	RS	**FL-5369**		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 Complete w/oil seals 37-1849		Pro-X 04932	39-4932	6204C3 Bearing / Seal Kit **494397**	094397				
KFX-80 2003-06 **Big Bore to 105cc** 54mm 2.125" *(Case & Head Modification Required)*		**FL-5369B**		54.00 54.50	Std. .020		PX5369P2						Top End GS5369			Pro-X 04932	39-4932	6204C3 Bearing / Seal Kit **494397**	094397				
KXT-250 Tecate 1984-85 249cc Liquid Cooled 70mm 2.756"	AC	**KA-795**	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 Bearing / Seal Kit **496305**	094488				
KXT-250 Tecate KIPS 1986-87 249cc Liquid Cooled 70mm 2.756"	AC	**KA-949**	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 Bearing / Seal Kit **496305**	094488				
KFX-250 Tecate 4 1987-88 249cc Liquid Cooled 67.4mm 2.652"	AC	**KA-5007**	5007K	67.40 68.50 69.50	Std. .045 .084			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 Bearing / Seal Kit **494488**	094491	Friction Kit 643068			
KXF-250 1987-88 **to 295cc Big Bore** **Tecate 4** 73mm 2.874" *(Head Modification Required)*		**KA-5007B**		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 Bearing / Seal Kit **494488**	094491	Friction Kit 643068			

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
KAWASAKI FOUR-STROKE																													
KFX-90 2007-17 89cc 47mm 1.850"	CI	**KA-5674**														Top End 35-0952													
KLT-110 1984-86 **KLF-110 Mojave** 1987-88 103cc Single 51mm 2.008"	RS	**KA-860**																						6304C3					
KLT-160 A1 1985 153cc Single 61mm 2.598"	RS	**KA-741**																						6305C3					
KLF-185 Bayou 1985-88 **KLT-185** 1986-87 182cc Single 66mm 2.598"	RS	**KA-857**																						6305C3					
KLT-200 1977-84 198cc Single 66mm 2.598"	RS	**KA-673**																(IN / EX Set) 07-101					Pro-X 01342						
KLF-220 Bayou 1988-02 215cc Single 67mm 2.637"	RS	**KA-5063**	5063K	67.00 67.50 68.00	Std. .020 .020		**9.3:1 Comp.** 2880 2882 2884	**9.3:1 Comp.** 4670M06700 4670M06750 4670M06800	2638XC 2658XC 2677XC							Top End 35-0803 Complete w/oil seals 37-1803	Cylinder **05021** (Std., 67mm)	(IN / EX Set) 07-109											
KLF-250 Bayou 2003-11 228cc Single 69mm 2.716"	RS	**KA-5506**	5506K	69.00 69.50 70.00	Std. .020 .040		**9:1 Comp.** 2890 2892 2894								Top End C7243-EST	Top End 35-0874 Complete w/oil seals 37-1874		(IN / EX Set) 07-109											
KLT-250 1983-85 249cc Single 70.5mm 2.775"	RS	**KA-856**																(IN / EX Set) 07-101											
KSF-250 Mojave 1987-03 **KFX-250 Mojave** 2004-05 249cc Single Liquid Cooled 74mm 2.913"	RS	**KA-5018**	5018K	74.00 74.50 75.00	Std. .020 .040			**11.5:1 Comp.** 4418M07400 4418M07450 4418M07500	2913XC 2933XC 2953XC		**11:1 Comp.** 8596DA 8596D050 8596D100				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 1986-05 **KEF-300 Lakota** 1995-03 **KVF-300 Prairie** 1999-03 290cc Single 76mm 2.992"	CI CS	**KA-986** **KA-986H**		76.00 76.50 77.00 77.50	Std. .020 .040 .060		**8.6:1 Comp.** 2710 2712 2714	**8.6:1 Comp.** 4671M07600 4671M07650 4671M07700 4671M07750	2992XC 3012XC 3032XC 3051XC		**8.6:1 Comp.** 8597DA 8597D050 8597D100				Top End C7245 (86-87) C7248 (89-05)	Top End 35-0805 Complete 36-8805 (KEF, KLF) 36-8872 (KLF 4x4) 36-8873	Cylinder **05022** (88-03) (Std., 76mm)	(IN / EX Set) 07-101											
KVF-360 Prairie 2003-13 362cc Single 80mm 3.150"	AC	**KA-5507**														Top End 35-0845													
KLF-400 Bayou 1993-99 **KVF-400 Prairie** 1997-02 391cc Single Liquid Cooled 81mm 3.188"	RS	**KA-5167**													Top End C7249	Top End 35-0831													

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KAWASAKI FOUR-STROKE (CONTINUED)

MODEL / Engine Description / Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
KFX-400 2003-06 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 5220B 5224	**12.5:1 Comp.** 65.2700A 65.2700B 65.2700.100	**12.25:1 Comp.** 4713M09000 4713M09200	3543XR 3622XR	**12.5:1 Comp.** CPM4028	**12.25:1 Comp.** 8563DA 8563DB	**12:1 Comp.** 180297 199657		Top End C7978-EST (92mm)	Top End 35-3402	Cylinder Works **40001** (Std. 90mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S Intake O/S Valve +1mm 60-60051 Exhaust O/S Valve +1mm 60-60054 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 +4mm (424cc)	Pro-X 04921	6306RI Bearing / Seal Kit **49K049**		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	
				90.00 92.00	Std. .080			**13.5:1 Comp.** 4714M09000	3543XR					Complete w/oil seals 37-3402												
KFX-400 2003-06 **Big Bore 434cc to 456cc** 94mm 3.700" **434cc 94.00mm** **440cc 94.50mm** **443cc 95.00mm** **450cc 95.50mm** *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**FL-5430B**		94.00 94.50 95.00 95.50	.160 .180 .200 .220		**12.5:1 Comp.** 65.2700.400 65.2700.500 65.2700.550	**12.5:1 Comp.** 4795M09450	3720XP	**12.5:1 Comp.** CPM3003	**12.5:1 Comp.** 8563D400	**12:1 Comp.** 183051 **13:1 Comp.** 243651		Top End C7963 (95mm) C3138-EST (96mm)		L.A. SLEEVE Iron Bore **41001SL** (94mm) L.A. SLEEVE Complete Kit **LAS-41001** (434cc, 94mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S Intake O/S Valve +1mm 60-60051 Exhaust O/S Valve +1mm 60-60054 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 +4mm (460cc) @94mm	Pro-X 04921	6306RI Bearing / Seal Kit **49K049**		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	
				94.50	.180			**13.5:1 Comp.** 4796M09450	3720XP					Top End GS5430 (97mm)		Cylinder Works Complete Kit **41001-K01** (434cc, 94mm)										
KFX-450R 2008-14 449cc Liquid Cooled 96mm 3.780" ***Resleeving required for oversizes***	AC	**KA-5675**	5675K	96.00 98.00	Std. .080		**12.5:1 Comp.** 65.2850A 65.2850.200	**12.5:1 Comp.** 4973M09600	9600XS	**13:1 Comp.** CPM4027 CPM4029	**12.5:1 Comp.** 8773DA 8773D200	**12.8:1 Comp.** 261971		Top End C3201-EST (96mm) C3202-EST (98mm)	Top End 35-0920 Complete w/oil seals 37-1920		Steel Intake 40-40562 Steel Exhaust 40-40566 Valve Springs 40-40550	Valve Guide IN / EX 40-40570 O/S +.001 40-40571 Valve Seat Intake 10-SB390 Exhaust 10-SB350	Hot Cams Camshaft (Stage 2) 2093-2IN (Intake) 2094-2E (Exhaust) (Stage 3) 2095-3IN (Intake) 2096-3E (Exhaust) Shim Kit HCSHIM02 (9.48mm)	CC-2706	HR4086 Stroker +3mm HR4186 (470cc)	Hot Rods HR8671	Bearing / Seal Kit **49K056**		Friction Kit 614229 Hinson Basket 31-295 Clutch Spring Kit CSKP-020	Hinson Hub/Plate Kit 31-267
				96.00 98.00	Std. .080		**13.5:1 Comp.** 65.2851A 65.2851.200	**13.5:1 Comp.** 4974M09600	9600XS	**13.5:1 Comp.** CPM4026		**13.5:1 Comp.** 261972 261551															
				96.00	Std.					**13.8:1 Comp.** CPM4025 (Full Race)	**14:1 Comp.** 8709DA	**13.8:1 Comp.** 261970 (Pro Series)														
KFX-450R 2008-14 **Big Bore to 480cc** 99mm 3.898" 480cc 100mm 3.939" 488cc	BB	**KA-5675B**		99.00 100.00	.120 .160		**13:1 Comp.** 65.2850.300					**13:1 Comp.** 261975 261976									HR4086 Stoker HR4186 +3mm 511cc							

KAWASAKI FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
KVF-650 2002-10 **Prairie 2002-03** **Brute Force 2005-10** 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)	Top End 35-0879 Complete w/oil seals 37-1879		Intake 40-40412 Exhaust 40-40416	Valve Guide IN / EX 40-40420 O/S +.001 40-40421	Hot Cams Camshaft 2031-1S							
KVF-650 2002-10 **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							
Brute Force 2005-16 **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 **(05)** 2036-1S (Stage 1) **(06-13)**							
KFX-700 2004-10 **Prairie 700 2004-06** 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 4896M08400	3228XC 3307XC		**11:1 Comp.** 8679DA 8679D050 8679D100			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)							
KFX-700 2004-10 **Prairie 700 2004-06** **Big Bore to 749cc, 784cc** 85mm 3.346” 749cc 87mm 3.425” 797cc	BB	**KA-5526B**		85.00 87.00	.120 .275						**11:1 Comp.** 8679D300	**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								
Brute Force 750 2005-17 **Teryx 750 4x4 2008-13** 749cc Liquid Cooled V-Twin 85mm 3.346” ***Resleeving required for oversizes***	AC	**KA-5592**		85.00 87.00 85.00	Std. .080 Std.		**9:1 Comp.** 65.2900A	**11.5:1 Comp.** 4897M08500 4897M08700 Armor Glide 40146M08500	3347XC 3425XC	**11:1 Comp.** CPM3027 **12:1 Comp.** CPM3028		**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)		HR4089	HR8675	Bearing / Seal Kit **49K075**			
Brute Force 750 2005-17 **Teryx 750 4x4 2008-13** **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)							
Teryx 800 4x4 2014-18 784cc V-Twin Liquid Cooled 85mm 3.346”	AC	**KA-5781**																										

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET / CLUTCH BASKET	CLUTCH INNER HUB / PRESSURE PLATE
KTM FOUR-STROKE																									
450 XC 2008-12 448cc Liquid Cooled 89mm 3.504" ***Resleeving required for oversizes***	AC	**FL-5442**		89.00 89.00 91.00 89.00	Std. Std. .080 Std.			11:1 Comp. 4941M08900 12:1 Comp. 4942M08900 4942M09100 13.5:1 Comp. 4959M08900	8900ZC 8900ZC 9160ZC 8900ZC	12:1 Comp. CPM9008 13:1 Comp. CPM9009 13.5:1 Comp. CPM9010 (Full Race)	11:1 Comp. 8581DA	12.5:1 Comp. 274221 13:1 Comp. 274219		Top End C3263-EST C3264-EST (91mm)	Top End 35-0317		Intake 28-65202 Exhaust 28-65201 Valve Springs 96-96000					Pro-X 04925 (08-09)	NJ206		Clutch Spring Kit CSKP-041	Hinson Inner Hub 31-254
450 SX 2009-11 449cc Liquid Cooled 97mm 3.818" ***Resleeving required for oversizes***	AC	**FL-5638**	5638K	97.00 97.01	Std. Std.		12.5:1 Comp. 65.3611A 65.3611B	12.5:1 Comp. 4937M09700	9700ZS	13:1 Comp. CPM9006	12.5:1 Comp. 8665DA 8665DB				Top End 35-0331		Intake Titanium 28-64272 Exhaust Titanium 28-64271			CC-6427		Pro-X 03.6427	NJ206		Clutch Spring Kit CSKP-042	
505 SX 2009-12 477cc Liquid Cooled 100mm 3.937" ***Resleeving required for oversizes***	AC	**FL-5584**		100.00 100.00	Std. Std.			12.5:1 Comp. 4947M10000 13.5:1 Comp. 4948M10000	10000ZV 10000ZV		12.5:1 Comp. 8705DA 13.5:1 Comp. 8725DA			Top End C3413-EST	Top End 35-0942		Intake Titanium 28-64272 Exhaust Titanium 28-64271			CC-6427		Pro-X 03.6508	NJ206		Clutch Spring Kit CSKP-042	
525 XC 2008-12 510cc Liquid Cooled 95mm 3.740" ***Resleeving required for oversizes***	AC	**FL-5437**	5437K	95.00 97.00 95.00 97.00	Std. .080 Std. .080	11:1 Comp. 6520A 12.5:1 Comp. 6522A	11:1 Comp. 65.3804A	11:1 Comp. 4731M09500 4731M09700 12.5:1 Comp. 4732M09500 4732M09700	9500ZS 9700ZS 9500ZS 9700ZS	12:1 Comp. CPM9011 13:1 Comp. CPM9012	11:1 Comp. 8547DA 8547D200 12.5:1 Comp. 8637DA 8637D200	12.5:1 Comp. 274173 13:1 Comp. 274174		Top End C7944-EST (95mm) C7691 (97mm) Top End GS5437 (100mm)	Top End 35-6528 Complete w/oil seals 37-6528		Intake 28-65202 Exhaust 28-65201 Valve Springs 96-96000	Valve Guides Intake 96-96010 O/S +.001 96-96011 Exhaust 96-96020 O/S +.001 96-96021	Hot Cams Camshaft 3015-1 Shim Kit HCSHIM00 (8.90mm)			Pro-X 04925 Hot Rods HR8666	NJ206		Clutch Spring Kit CSKP-041	Hinson Inner Hub 31-254
525 XC 2008-12 **Big Bore to 565cc** 100mm 3.937"	BB	**FL-5437B**		100.00	.200																				
KYMCO FOUR-STROKE																									
MXU-250 2004-09 249cc Liquid Cooled 72.7mm 2.862"	AC	**FL-5613**																							
MXU-300 2009-15 **Mongoose 300 2009-15** 270cc Liquid Cooled 72.7mm 2.862"	AC	**FL-5543**																							
MXU-500 2008-17 **UXV-500 2009-17** 501cc Liquid Cooled 92mm 3.622"		**FL-5392**																							
MXU-700i 2014-17 **UXV-700i 2014-17** 695cc Single Liquid Cooled 102mm 4.016"	RS	**FL-5787**																							

POLARIS TWO-STROKE

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	T.E. BEARING	COMETIC GASKET	L.A. SLEEVE GASKET	BOTTOM END CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
Sportsman 90 2001-06 **Scrambler 90 2001-05** **Predator 90 2001-06** 89cc Single 52mm 2.047”		**FL-5596**		52.00 52.50 53.00 53.50	Std. .020 .040 .060			839M05200 839M05250 839M05300 839M05350	2047CD 2067CD 2087CD 2106CD				Top End C3514	Top End 35-0840								
244 1985 244cc Single 72mm 2.834”	CI	**FL-931**	931K	72.00 72.50 73.00 73.50 74.00	Std. .020 .040 .060 .080			536M07200 536M07250 536M07300 536M07350 536M07400	2835CD 2854CD 2874CD 2894CD 2913CD	8094DA 8094D050 8094D100 8094D150 8094D200	T.E. Bearing 01251		Top End C7124	Top End 35-0806		Hot Rods HR8145						
250 **Trail Boss 1986-99** **Trail Blazer 1990-06** **Xplorer 4x4 2000-02** 244cc Air Cooled 72mm 2.834”	CI	**FL-5168**	5168K										Top End C7124	Top End 35-0806 Complete w/oil seals 37-1806		Hot Rods HR8145						
300L 1994-99 **Xplorer 300** **Xpress 300** 283cc Single 74.5mm 2.933”	CI	**FL-5273**	5273K	74.50 75.00 75.50 76.00 76.50	Std. .020 .040 .060 .080			721M07450 721M07500 721M07550 721M07600 721M07650	2933TD 2953TD 2973TD 2992TD 3012TD	8095DA 8095D050 8095D100 8095D150 8095D200	T.E. Bearing 01251		Top End C7310	Top End 35-0807 Complete w/oil seals 37-1807		Hot Rods HR8145						
350L Trail Boss 1990-94 352cc Liquid Cooled	CI	**FL-5171**	5171K	80.00 80.50 81.00 81.50 82.00	Std. .020 .040 .060 .080			639M08000 639M08050 639M08100 639M08150 639M08200	3150TD 3169TD 3189TD 3209TD 3228TD		T.E. Bearing 01401		Top End C7144			Hot Rods HR8146		6232C3				
400L 1994-03 **Xplorer 400,** **Scrambler 400** **Sport 400, Trail Blazer** 378cc Liquid Cooled 83mm 3.268”	CI	**FL-5274**	5274K	83.00 83.25 83.50 84.00 84.50 85.00	Std. .010 .020 .040 .060 .080			675M08300 675M08325 675M08350 675M08400 675M08450 675M08500	3268TD 3278TD 3287TD 3307TD 3327TD 3347TD	8097DA 8097D050 8097D100 8097D150 8097D200	T.E. Bearing 01401		Top End C7265	Top End 35-0808 Complete w/oil seals 37-1808		Hot Rods HR8146		6232C3				

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON	COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
POLARIS FOUR-STROKE																											
Phoenix 200 **2005-17** 196cc Single 65mm 2.562”			**FL-5593**																								
300 Hawkeye **2006-10** **300 Sportsman** **2008-10** 299cc Single 78.5mm 3.090”		CI	**FL-5623**																								
325 Trail Boss **2000-02** **325 Magnum** **2000-02** **325 Xpedition** **2001-02** 325cc Single 78mm 3.070”		CI	**FL-5367**												Top End 35-0836												
330 Magnum **2003-06** **330 Trail Boss** **2003-13** **330 Trail Blazer** **2008-13** **ATP 330** **2005** 329cc Single 78.5mm 3.090”		CI	**FL-5509**												Top End 35-0836												
335 Sportsman 4x4 1999-00 334cc Single 78mm 3.070”		CI	**FL-5367**												Top End 35-0837												
ACE 325 **Sportsman 325** **2014-16** 325cc Single Liquid Cooled 78mm 3.070”		AC	**FL-5791**																								
400 H.O. **2008-14** **400 Sportsman** **2004-14** **400 Ranger** **2010-13** 455cc Single Liquid Cooled 87.9mm 3.460”		CI	**FL-5260**												Top End 35-0821		Intake 82-82005 Exhaust 82-82008 Valve Springs 82-82000		Hot Cams Camshaft 5246-1 (Stage 1) 5247-2 (Stage 2)								
425 Magnum **1995-98** **425 Xpedition** **2000-02** **400 Sportsman 4x4** **2001-05** 425cc Liquid Cooled 87.9mm 3.460”		CI	**FL-5260**											Top End C7311	Top End 35-0821		Intake 82-82005 Exhaust 82-82008 Valve Springs 82-82000										
450 H.O. Sportsman **2006-07** 455cc Single Liquid Cooled 87.9mm 3.460”		CI	**FL-5260**												Top End 35-0821		Intake 82-82005 Exhaust 82-82008 Valve Springs 82-82000		Hot Cams Camshaft 5246-1 (Stage 1) 5247-2 (Stage 2)								

POLARIS FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
Outlaw 450 2008-11 **MXR** **KTM Engine** 448cc Single Liquid Cooled 89mm 3.504" ***Resleeving required for oversizes***	AC	**FL-5442**		89.00 91.00	Std. .080			4941M08900 4941M09100	8900ZC 9100ZC	CPM9008	8581DA	274221				Intake 28-65202 Exhaust 28-65201 Valve Springs 96-96000					Pro-X 04925	NJ206		Clutch Spring Kit CSKP-041	Hinson Inner Hub 31-254
				89.00 91.00	Std. .080			**13:1 Comp.** 4942M08900 4942M09100	8900ZC 9160ZC	**13:1 Comp.** CPM9009		**13:1 Comp.** 274219														
				89.00	Std.			**13.5:1 Comp.** 4959M08900	8900ZC	**13.5:1 Comp.** CPM9010 (Full Race)																
500 H.O. 1997-13 **Sportsman,** **Scrambler** **Magnum** **Ranger 4x4 2006-13** 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			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 5246-1 (Stage 1) 5247-2 (Stage 2)							
Sportsman 450 H.O. 2017 **ACE 500 2017** **Ranger 500 2017** 500cc Single Liquid-Cooled 93mm 3.661"																											
Predator 500 2003-07 **Outlaw 500 2006-07** **ATP 500 2005** 499cc Liquid Cooled 99.2mm 3.905"	AC	**FL-5564**		99.20	Std.			**12.5:1 Comp.** 4807M09920	3905XK		**12.5:1 Comp.** 8692DA	**12.5:1 Comp.** 221843		Top End C7995-EST (100mm) C7996 (105mm)	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)	
Big Bore to 560cc 105mm 4.125"	BB	**FL-5564B**		105.00	.230			4914M10483	4127GFX		8692D580	222388															
Outlaw 525 2007-09 **KTM Engine** 510cc Single Liquid Cooled 95mm 3.740" ***Resleeving required for oversizes***	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	**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
				95.00 97.00	Std. .080	**12.5:1 Comp.** 6522A		**12.5:1 Comp.** 4732M09500 4732M09700	9500ZS 9700ZS	**13:1 Comp.** CPM9012	**12.5:1 Comp.** 8637DA 8637D200	**13:1 Comp.** 274174															
Outlaw 525 2007-09 **Big Bore to 565cc** 100mm 3.937"	BB	**FL-5437B**		100.00	.200																						
XP 550 Sportsman 2009-14 549cc Single Liquid Cooled 96.6mm 3.803"	CI	**FL-5381**																									
RZR 570 2012-17 **Ranger 570 2012-17** **Sportsman 570** **2014-17** **ACE 570 2016-17** 567cc Single Liquid Cooled 99mm 3.937"		**FL-5768**												Top End C3258-EST													

POLARIS FOUR-STROKE (CONTINUED)

MODEL / Engine Description / Cylinder I.D. (mm/in.)	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
Sportsman 600 2003-05 597cc V-Twin Liquid Cooled 76.5mm 3.012”		**FL-5510**																									
Sportsman 700 2002-08 **Ranger 700 2007-09** 683cc Twin Liquid Cooled 80mm 3.150”	AC	**FL-5511**												Top End (04-09) 35-0945	Cylinder Works **60002** (Std. 80mm)			Hot Cams Camshaft 5033-1 (02-04)		HR4422						
800 Sportsman 2005-14 **Ranger 800** **RZR 800 2008-16** 760cc Twin Liquid Cooled 80mm 3.150” ***Resleeving required for oversizes***	AC	**FL-5594**		80.00	Std.				**11:1 Comp.** CPM9016		**10.75:1 Comp.** 274203		Top End C3250 (08-10) C3506 (11-13)	Top End 35-0945	Cylinder Works **60002** (Std. 80mm) Complete Kit (05-10) **60002-K01** (Std. 80mm)	**Sportsman** **(05-14)** Intake 82-82065 Exhaust 82-82068 Valve Springs 82-82060 **RZR** **(08-10)** Intake 82-82212 Exhaust 82-82216 Valve Springs 82-82200 **(11-16)** Intake 82-82312 Exhaust 82-82316 Valve Springs 82-82300	**Sportsman** Valve Guide Intake 82-82070 Exhaust 82-82080 **RZR** **(08-10)** Intake 82-82220 Exhaust 82-82230 **(11-16)** IN/EX 82-82320			HR4091	Hot Rods HR8678				
				80.00	Std.				**12:1 Comp.** CPM9017		**12:1 Comp.** 274204																
				80.00	Std.				**12.5:1 Comp.** CPM9018																		
XP 850 Sportsman 2009-17 **Scrambler XP 2013-17** **850 H.O.** 850cc Twin Liquid Cooled 87mm 3.425”	CI AC	**FL-5395**																									
900 RZR XP EFI **Ranger XP 900 2011-17** **ACE 900 2016-17** 875cc Liquid Cooled Mono-Block Twin 93mm 3.661”	AC	**FL-5769**		93.00	Std.			**10.6:1 Comp.** 40045M09300	9300XX	**11.5:1 Comp.** CPM9036		**9:1 Comp.** 305443		Top End C3446-EST (93.5mm)		Cylinder Works (11-15) **60001** (Std. 93mm) Complete Kit **60001-K01** (Std. 93mm)	Intake 82-82155 Exhaust 82-82158 Valve Springs 82-82160 Turbo Kit 82-82190	Valve Guide IN / EX 82-82170 O/S +.001 82-82171	Hot Cams Camshaft 5257-2IN (Intake) 5258-2E (Exhaust)								
				93.00	Std.			**12.5:1 Comp.** 40046M09300		**12.5:1 Comp.** CPM9037		**11:1 Comp.** 305445															
900 RZR 2011-17 **Big Bore** **932cc** ***Sleeves sold as set of 2***		**FL-5769BX2**		96.00	.120							**11:1 Comp.** 306372		C3447-EST (96mm)													

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
POLARIS FOUR-STROKE (CONTINUED)																												
General 1000 2016-17 999cc Liquid Cooled Mono-Block Twin 93mm 3.661"	AC	**FL-5777**		93.00	Std.					**9.5:1 Comp.** CPM9054		**10.5:1 Comp.** 325031																
RZR 1000 XP EPS 2014-17 **Ranger 1000 XP 2017** 999cc Liquid Cooled Mono-Block Twin 93mm 3.661" ***Cylinder Works Complete Kit Includes Cylinder, Piston Kit and Top End Gaskets***	AC	**FL-5777**		93.00	Std.			**11:1 Comp.** 40128M09300		**9.5:1 Comp.** CPM9054		**10.5:1 Comp.** 325031		Top End C3546-EST (14-15)		Cylinder Works (14-16) **RZR** **60003** (Std. 93mm) Complete Kit **60003-K01** (Std. 93mm)	**RZR** Intake 82-82362 O/S+1mm 82-82363 Exhaust 82-82366 O/S+1mm 82-82367 Valve Springs 82-82400	**RZR** Valve Guide Intake 82-82370 O/S+1mm 82-82371 Exhaust 82-82380 O/S+1mm 82-82381	**RZR** 2014 Hot Cams Camshaft Stage 1 5274-1IN (Intake) 5275-1E (Exhaust) Stage 2 5276-2IN (Intake) 5277-2E (Exhaust)		**RZR** HR4424 RZR Crankshaft Without Rods HR4424-1 Special Order	**RZR** Hot Rods HR8708	**RZR** Bearing / Seal Kit **49K088**			
				93.00	Std.					**11.5:1 Comp.** CPM9055		**12:1 Comp.** 325034																
RZR 1000 Big Bore Big Bore to 1035cc 96mm 3.780" ***Sold in set of 2 sleeves Special custom machining required***		**FL-5777CDSF**		96.00	.120					**11.5:1 Comp.** CPM9057				Top End C3563-EST (14-15)														

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★		SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	T.E. BEARING		COMETIC GASKET	L.A. SLEEVE GASKET	BOTTOM END CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
SUZUKI TWO-STROKE																							
LT-50 2002-05 49cc 41mm 1.614"	CC	**FL-5492**		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									
Quadsport LT-80 All Years 82cc 50mm 1.968"	RS	**FL-5369**		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 Complete w/oil seals 37-1849		Pro-X 04932	39-4932	6204C3 Bearing / Seal Kit **494397**	094397				
Quadsport LT-80 All Years **Big Bore to 105cc** 54mm 2.125" *Case & Head Mod. Required*		**FL-5369B**		54.00 54.50	Std. .020		PX5369P2						Top End GS5369			Pro-X 04932	39-4932	6204C3 Bearing / Seal Kit **494397**	094397				
LT-250RF 1985 247cc Liquid Cooled 70mm 2.756" *Special Heavy O.D. to repair broken cylinder skirt.*	CI CS	**FL-942** **FL-942H**	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 Bearing / Seal Kit **494130**	094130				
LT-250RG 1986 247cc Liquid Cooled 70mm 2.756" *Special Heavy O.D. to repair broken cylinder skirt.*	CI CS	**FL-988** **FL-988H**	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 Bearing / Seal Kit **494130**	094130				
LT-250RH 1987 246cc Liquid Cooled 67mm 2.637" *(Also to allow Big Bore to 265cc)*	CS	**FL-5020**	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 Bearing / Seal Kit **494131**	094131				
LT-250RJ, 1988-92 **K, L, M, N Quadracer** 246cc Liquid Cooled 67mm 2.637" *(Also to allow Big Bore to 265cc)*	CS	**FL-5064**	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 Bearing / Seal Kit **494131**	094131				
LT-500RH 1987 **Quadracer** 499cc Single Liquid Cooled 6 Stud 86mm 3.386" *Special Heavy O.D. to repair broken cylinder, also to allow Big Bore to 550cc*	CI CS	**FL-5021** **FL-5021H**	5021K 5021K-1	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 C7072 (88mm) C7273 (89.5mm) C7125 (91mm)	Complete w/oil seals 37-1835		Hot Rods HR8155		6306C3 Bearing / Seal Kit **494132**	094131				
LT-500RJ, 1988-90 **K, L Quadracer** 499cc Single Liquid Cooled 7 Stud 86mm 3.386" *Special Heavy O.D. to repair broken cylinder, also to allow Big Bore to 550cc*	CI CS	**FL-5073** **FL-5073H**	5073K 5073K-1	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 Bearing / Seal Kit **494132**	094131				

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
SUZUKI FOUR-STROKE																												
QuadSport Z50 **2006-09, 2017** 49cc 36mm 1.417"		**FL-5624**																										
QuadSport Z90 2007-09 **2014-17** 90cc 45.5mm 1.791"		**FL-5677**																										
LT, ALT-125 1982-87 124cc Single 57mm 2.244"	CI	**FL-753**																					Left 6207C3 Right (83-84) 6328C3 Right (85-87) 6228C3					
LT-160, LT-F160 1989-04 158cc Single 58mm 2.283"	CI	**FL-5085**																										
LT, ALT-185 1984-87 178cc Single 63mm 2.480"	CI	**FL-865**																					Left 6207C3 Right 6328C3					
LT-230 1985-94 229cc Single 66mm 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)				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	Std.			W866PS	2756XA					GS866					Hot Cams Camshaft 2066-1				Left 6207C3 Right 6328C3 (85-88)			
LT-250, E, F, G 1985-94 249cc Single 72mm 2.834"	RS	**FL-754**																										
LT-4WD 1987-14 **Quadrunner 250** **LTF-250, LT-F4WD,** **LT-F250F** **Ozark 250, Z250** 246cc Single 66mm 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 (87-95)	2598XD 2618XD 2638XD 2658XD 2677XD					Top End C7260 (88-14)	Top End 35-0886 (02-14)				Hot Cams Camshaft 2066-1				Left 6207C3 Right 6328C3			
LT-4WD X300 LT-F300F **King Quad 1991-02** 280cc Single 68.5mm 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 Single 72mm 2.835"	CI	**FL-5065**												Top End C7459														
Eiger 400 2002-17 **King Quad 400** 376cc Single 82mm 3.228"	CS	**FL-5512**		82.00 82.50 83.00	Std. .020 .040		**9:1 Comp.** 2740 2742 2744								Top End 35-0846 (LTF-02-09) 35-0870 (LT-A 02-09) 35-0932 (King Quad 4WD) (08-17)												

L.A. SLEEVE Since 1945

SUZUKI FOUR-STROKE (CONTINUED)

MODEL / Engine Description / Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	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
Quadsport Z400 2002-14 398cc Liquid Cooled 90mm 3.543" ***Resleeving required for oversizes*** *Cylinder Works Complete Kit Includes Cylinder, Piston Kit, and Top End Gaskets.*	AC	**FL-5430**	5430K	90.00 90.01 91.00 92.00	Std. Std. .040 .080	12.25:1 Comp. 5220A 5220B 5224	12.2:1 Comp. 65.4855A 65.4855B 65.4855.100	12.25:1 Comp. 4713M09000 4713M09200	3543XR 3622XR	12.5:1 Comp. CPM4028	12.25:1 Comp. 8563DA 8563DB	12:1 Comp. 180297 199657		Top End C7978-EST (92mm) C7979-EST (94mm)	Top End 35-3402 Complete w/oil seals 37-3402 **(02-08)** 37-1933 **(09-14)**	Cylinder Works **40001** (Std. 90mm) Cylinder Works Complete Kit **40001-K01** (Std. 90mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S Intake O/S Valve + 1mm 60-60051 Exhaust O/S Valve + 1mm 60-60054 Valve Springs 60-60060	Valve Guide IN / EX 60-60060 O/S +.001 60-60061 Valve Seat Intake 10-SB375 Exhaust 10-SB320	Hot Cams Camshaft Stage 1 2249-1IN (Intake) 2250-1E (Exhaust) Stage 2 2251-2IN (Intake) 2252-2E (Exhaust) Shim Kit HCSHIM02 (9.48mm)	CC-3403	HR4059 Stroker HR4259 424cc	Pro-X 04921	6306RI Bearing / Seal Kit **49K049**		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	
Quadsport Z400 2002-14 **Big Bore** **434cc to 456cc** 94mm 3.700" **434cc 94.00mm** **440cc 94.50mm** **443cc 95.00mm** **450cc 95.50mm** *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**FL-5430B**		94.00 94.50 95.00 95.50	.160 .180 .200 .220		12:1 Comp. 65.4855.400	12.5:1 Comp. 4795M09450	3720XP	12.5:1 Comp. CPM3003 12.5:1 Comp. CPM3004	12.5:1 Comp. 8563D400 12:1 Comp. 8563D550	12:1 Comp. 183051 13:1 Comp. 243651		Top End C7963 (95mm) Top End GS5430 (97mm)		L.A. SLEEVE Iron Bore **41001SL** (94mm) L.A. SLEEVE Complete Kit **LAS-41001** (434cc, 94mm) Cylinder Works Complete Kit **41001-K01** (434cc, 94mm)	Intake 28-34022 Exhaust 28-34021 Set 28-3402S Intake O/S Valve + 1mm 60-60051 Exhaust O/S Valve + 1mm 60-60054 Valve Springs 60-60060	Valve Guide IN / EX 60-60060 O/S +.001 60-60061 Valve Seat Intake 10-SB375 Exhaust 10-SB320	Hot Cams Camshaft Stage 1 2249-1IN (Intake) 2250-1E (Exhaust) Stage 2 2251-2IN (Intake) 2252-2E (Exhaust) Shim Kit HCSHIM02 (9.48mm)	CC-3403	HR4059 Stroker HR4259 +4mm, 460cc 94mm	Pro-X 04921	6306RI Bearing / Seal Kit **49K049**		Friction Kit 634028 Basket 31-252 Clutch Spring Kit CSKP-019	
King Quad 450 2007-10 454cc Single Liquid Cooled 84mm 3.307"	AC	**FL-5678**																									
Quad Racer LT-R450 2006-11 449cc Single Liquid Cooled 95.5mm 3.760" ***Resleeving required for oversizes*** *Cylinder Works Complete Kit Includes Cylinder, Piston Kit, and Top End Gaskets.*	AC	**FL-5625**	5625K	95.50 98.00 95.50 95.50	Std. .100 Std. Std.	11.7:1 Comp. 01.3406A		11.7:1 Comp. 4911M09550 4911M09800 13:1 Comp. 4912M09550		13:1 Comp. CPM4010A 13.5:1 Comp. CPM4011A 13.75:1 Comp. CPMX4015A (Full Race)	11.7:1 Comp. 8667DA 13.3:1 Comp. 8699DA	12.8:1 Comp. 252743 252744 13.5:1 252742		Top End C3208-EST (96mm) C3157-EST (98mm) C3158-EST (101mm)	Complete w/oil seals 37-1916 **(06-08)** 37-1935 **(09)**	Cylinder Works Plated Bore **40002** (Std. 95.5mm) Cylinder Works Complete Kit **40002-K01** (Std. 95.5mm)	Intake Titanium 28-34062 Exhaust Titanium 28-34061 (06-07) Steel Intake 60-60310 Steel Exhaust 60-60313 Valve Springs 60-60280	Valve Guide Intake 60-60290 O/S +.001 60-60291 Exhaust 60-60300 O/S +.001 60-60301 Valve Seat Intake 10-SB375 Exhaust 10-SB320	Hot Cam Camshaft Intake 2072-1IN Exhaust 2073-1E Shim Kit HCSHIM02 (9.48mm)	CC-2706	HR4076 Stroker +3mm HR4176 (471cc)	Hot Rods HR8648	Bearing / Seal Kit **49K051**		Hinson Basket 31-268	Hinson Hub/Plate Kit 31-238 **(06-07)** 31-338 **(08-09)**

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★		SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
SUZUKI FOUR-STROKE (CONTINUED)																												
Quad Racer 2006-11 **LT-R450** **Big Bore to 493cc** **98mm to 100mm** *Complete Cylinder Kit Includes Big Bore Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**FL-5625B**		98.00 100.00	.100 .180					**12.5:1 Comp.** CPM4012		**12.8:1 Comp.** 252747		Top End C3157-EST (98mm) C3158-EST (101mm)		Cylinder Works Complete Kit **41002-K01** (474cc 98mm)					Stroker HR4176 +3mm, 516cc 100mm					
LT-F500F 1998-06 **LT-A500F 2000-17** **Vinson 500, 2002-08** **King Quad 500 2008-17** 493cc Single Liquid Cooled 87.5mm 3.444"	AC	**FL-5370**													Top End 35-0828												
Twin Peaks 700 **2004-05** 697cc V-Twin Liquid Cooled 82mm 3.228"	CI	**KA-5526**		82.00 84.00	Std. .080			**11.5:1 Comp.** 4896M08200 4896M08400	3228XC 3307XC						Top End 35-0880					Hot Cam Camshaft 2031-1S (Mudblaster) 2036-1S (Stage 2)								
Twin Peaks 700 2004-05 **Big Bore to 749cc, 784cc** **85mm 3.346" 749cc** **87mm 3.425" 784cc**	BB	**KA-5526B**		85.00 87.00	.120 .275						**11:1 Comp.** 8679D300	**11:1 Comp.** 221786		Top End GS5526						Hot Cam Camshaft 2031-1S (Mudblaster) 2036-1S (Stage 2)								
King Quad 700 2005-07 695cc Single Liquid Cooled 102mm 4.015"	AC	**FL-5595**		102.00	Std.		**11.5:1 Comp.** 65.4870A			**11.5:1 Comp.** CPM4013A																		
King Quad 700 2005-07 Big Bore to 750cc 106mm 4.170"	BB	**FL-5595B**		106.00 106.00	.160 .160		**11.5:1 Comp.** 65.4870.400			**11.5:1 Comp.** CPM4014 **12.5:1 Comp.** CPM4022				Top End C3128-EST (106mm)														
King Quad 750 AXI **2009-17** 722cc Single Liquid Cooled 104mm 4.094"	AC	**FL-5374**		104.00 106.00	Std. .080					**11.5:1 Comp.** CPM4051 CPM4014																		

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve • Piston • Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	WOSSNER PISTON	T.E. BEARING		COMETIC GASKET	L.A. SLEEVE GASKET	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CON-ROD ASSEMBLY Rod Kit • Bearings • Seals	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA TWO-STROKE																								
YFS-200 Blaster 1988-06 195cc Single 66mm 2.598" *Special Heavy O.D. to repair broken cylinder skirt.*	CI CS	**YA-5035** **YA-5035H**	5035K 5035K-1	66.00 66.25 66.50 66.75 67.00 67.25 67.50 67.75 68.00 68.25	Std. .010 .020 .030 .040 .050 .060 .070 .080 .100	4170 4171 4172 4173 4174 4176 4177 4178	65.5301A 65.5301.025 65.5301.050 65.5301.100 65.5301.150 65.5301.200	573M06600 573M06625 573M06650 573M06675 573M06700 573M06725 573M06750 573M06775 573M06800 573M06825	2598CD 2608CD 2618CD 2628CD 2638CD 2648CD 2658CD 2668CD 2677CD 2687CD	8101DA 8101D050 8101D100 8101D150 8101D200	T.E. Bearing 01201		Top End C7093	Top End 35-2280 Complete w/oil seals 37-2280	Stock **HR4005** Stroker +4mm **HR4105** (209cc)	Pro-X 04963 Hot Rods HR8144	39-4963	Left (Ignition) 83A915 Right (Drive) 6305RI Bearing / Seal Kit 494963	094963	Friction Kit 621047 Hinson Basket 31-113 Clutch Spring Kit CSKP-040				
YFS-200 Blaster 1988-06 **Big Bore to 240cc** 72mm 2.835" *(Head Modification Required)*	CS	**YA-5035B**		72.00 72.25 72.50 73.00	Std. .010 .020 .040		W240PS W240P1 W240P2 W240P4		2835CD 2844CD 2854CD 2874CD		T.E. Bearing 01201			Top End GS5035		**HR4005**	Pro-X 04963 Hot Rods HR8144	39-4963	Left (Ignition) 83A915 Right (Drive) 6305RI Bearing / Seal Kit 494963	094963	Friction Kit 621047 Hinson Basket 31-113				
Tri-Z 250N 1985-89 **(No.38W)** 246cc Liquid Cooled 68mm 2.677"	CS	**YA-879**	879K	68.00 68.50 69.00 70.00	Std. .020 .040 .080			515M06800 515M06850 515M06900 515M07000	2677CD 2697CD 2717CD 2756CD	8175DA 8175D050 8175D100 8175D200	T.E. Bearing 01251			Top End C7153			Pro-X 04981	39-4981	6206C3 Bearing / Seal Kit 494284A	094284	Friction Kit 623047 (1985-86)				
YFZ-350 Banshee 1987-06 347cc Twin Liquid Cooled 64mm 2.520" *Special Heavy O.D. to repair broken cylinder skirt.*	CI CS	**YA-5023** **YA-5023H**	5023K	64.00 64.25 64.50 64.75 65.00 65.25 65.50 65.75 66.00 66.25 66.50	Std. .010 .020 .030 .040 .050 .060 .070 .080 .090 .100	4190 4191 4192 4193 4194 4195 4196 4197 4198	65.5305A 65.5305.050 65.5305.100 65.5305.150 65.5305.200	513M06400 513M06425 513M06450 513M06475 513M06500 513M06525 513M06550 513M06600 513M06625 513M06650	2520CD 2530CD 2539CD 2549CD 2559CD 2569CD 2679CD 2698CD 2608CD 2618CD	8075DA 8075D050 8075D100 8075D150 8075D200	T.E. Bearing 01201		Top End C7094 C7275 (66.50mm) GS5023 (68mm)	Top End 35-2019 Complete w/oil seals 37-2019	Stock **HR4001**	Pro-X 04913 Hot Rods Hi Performance Long rod Kit H8158	39-4958	Pinned Left, Center 83464A Grooved Right 83406 Bearing / Seal Kit 494958	094958	Hinson Basket 31-016 Clutch Spring Kit CSKP-037				
YFZ-350 1987-06 **Banshee** **Big Bore to 409cc** 68mm 2.677" *(Head Modification required, alternate: PRO-DESIGN Head, Part No.CH5023)*	CS	**YA-5023B**		68.00 68.50 69.00 69.50	Std. .020 .040 .060		W5023PS W5023P2 W5023P4 W5023P6				T.E. Bearing 01201			Top End GS5023			Pro-X 04913 Hi Performance Long rod Kit H8158	39-4958	Pinned Left, Center 83464A Grooved Right 83406 Bearing / Seal Kit 494958	094958	Hinson Basket 31-016				

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★			SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END: PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN: VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END: CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH: CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA FOUR-STROKE																													
YFZ-50 **2017-18** 49cc 39mm 1.535"	CI	**YA-5563**														Top End 35-0878													
YFM-80, **1985-08** **Moto-4, Badger,** **Raptor 80, Grizzly** 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		(IN / EX Set) 07-309										
Raptor 90 **2016-18** 90cc Single 47mm 1.850"	CI	**YA-5691**																											
YFM-100 Champ **1987-91** 98cc Single 49mm 1.929"	CI	**YA-5022**																(IN / EX Set) 07-309						6304C3					
YFA 125 **2005-13** **Grizzly 125** **Breeze 125** **1989-05** 124cc Single 49mm 1.929"	CI	**YA-5230**														Top End 35-0885 Complete w/oil seals 37-1885		(IN / EX Set) 07-310											
Raptor 125 **2012-13** 124cc Single 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													
Tri-Moto 200, **1984-91** **YTM-200L** **YFM-200** 196cc Single 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)										Friction Kit 621035	
BW-200N **1985-90** 196cc Single 67mm 2.638"	RS	**YA-762**																								Friction Kit 621035	
Tri-Moto 225, **1984-89** **YTM-225, YFM-225** 223cc Single 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)										Friction Kit 621035	
YFB-250 **1990-00** **Timberwolf** **YFM-250** **1999-04** **Bear Tracker** **Big Bear 250** **2007-09** **Bruin 250** **2005-06** 229cc Single 71mm 2.795"	RS	**YA-5101**	5101K	71.00 71.50 72.00 72.50 73.00	Std. .020 .040 .060 .080		Stock Comp. 2840 2842 2844	8.7:1 Comp. 4675M07100 4675M07150 4675M07200	2795XC 2815XC 2835XC							Top End C7254	Top End 35-0824										Friction Kit 621035	

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA FOUR-STROKE (CONTINUED)																											
Raptor 250 2008-13 249c Single 74mm 2.913" ***Resleeving required for oversizes***	AC **YA-5679**	5679K	74.00 76.00	Std. .080			**10.5:1 Comp.** 4951M07400	2913XA	**11:1 Comp.** CPM1060		**10.5:1 Comp.** 274194		Top End C3223-EST (74mm)	Top End 35-0924		Intake 80-80562 Exhaust 80-80566	Valve Guide Intake 80-80570		CC-1323	HR4090	Hot Rods HR8676	Bearing / Seal Kit **49K059**		Friction Kit 622086		
			74.00 76.00	Std. .080					**12:1 Comp.** CPM1061		**12:1 Comp.** 274195		C3224-EST (76mm)	Complete w/oil seals 37-1924		Valve Springs 80-80550	O/S +.002 80-80572			Stroker +4mm HR4190 (266cc)				Clutch Spring Kit CSKP-031		
			74.00 76.00	Std. .080			**13:1 Comp.** 40078M07400 40078M07600	2913XA 2992XA	**13:1 Comp.** CPM1062								Exhaust 80-80580 O/S +.002 80-80582									
Raptor 250 **Big Bore** **270cc 77mm** **277cc 78mm** **283cc 80mm** **300cc 81mm**	BB **YA-5679B** **77mm-78mm** BB **YA-5726** **80mm-81mm**		77.00 78.00 80.00 81.00	.120 .160 .240 .280			**11:1 Comp.** 4958M08100						Top End C3225-EST (78mm) C3226-EST (80mm) C3236-EST (81mm)							Stock HR4090						
Grizzly 300 2012-13 287cc Liquid Cooled 75mm 2.952"																											
YFM-350 **Grizzly 350 2007-14** **Raptor 350 2005-13** **Bruin 350 2004-06** **Wolverine 1995-09** **Warrior 1987-05** **Big Bear 1987-99** **BW-350 1987-88** 349cc Single 83mm 3.268"	RS **YA-5024**	5024K	83.00 83.25 83.50 83.75 84.00	Std. .010 .020 .030 .040		**9.2:1 Comp.** 65.6810A 65.6810.025 65.6810.050 65.6810.075 65.6810.100	**10.25:1 Comp.** 4419M08300 4419M08350 4419M08400	3268XC 3287XC 3307XC					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)	CC-2487 (Raptor, Warrior)	HR4043	Hot Rods HR8605	Bearing / Seal Kit **49K239**				
			85.00	.080							**10.5:1 Comp.** 222085							Raptor (07-13) 4114-1 (Stage 1)									
			85.00	.080							**12:1 Comp.** 209292																
Kodiak 400 1993-99 **Big Bear 400 2000-12** 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.** 4676M08300 4676M08350 4676M08400	3268XC 3287XC 3307XC					Top End C7096-EST (84mm) C3159-EST (85mm)	Top End 35-2160 35-0898 (93-98)				Hot Cams Camshaft 4017-1 (Stage 1) (93-06)								
Kodiak 400 2000-06 **Grizzly 400 2007-08** 401cc Liquid Cooled 84.5mm 3.327" (No. 5GH)	RS **YA-5425**	5425K	84.50 85.00 85.50	Std. .020 .040		**Stock Comp.** 4720 4722 4724	**10.5:1 Comp.** 40076M08450 40076M08500 40076M08550	8450XX 8500XX 8550XX		**10.5:1 Comp.** 8901DA 8901D050 8901D100				Top End 35-0875 Complete w/oil seals 37-1875													
Grizzly 450 2007-14 **Kodiak 450 2003-06** **Wolverine 450 2006-10** 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		**Stock Comp.** 4710 4712 4714	**11:1 Comp.** 4939M08450 4939M08500 4939M08550	8450XX 8500XX 8550XX		**10:1 Comp.** 8904DA 8904D050 8904D100	**10.5:1 Comp.** 261962 261963 261964			Top End 35-0875 Complete w/oil seals 37-1875												

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA FOUR-STROKE (CONTINUED)																												
Kodiak 450 2018 421cc Liquid Cooled 84.5mm 3.327"	RS	**YA-5513**																										
Rhino 450 2006-09 421cc Liquid Cooled 84.5mm 3.327"	RS	**YA-5513**	5513K	84.50 85.00 85.50 86.50	Std. .020 .040 .080		Stock Comp. 4710 4712 4714	**11:1 Comp.** 4939M08450 4939M08500 4939M08550	8450XX 8500XX 8550XX		**10:1 Comp.** 8904DA 8904D050 8904D100	**10.5:1 Comp.** 261962 261963 261964			Top End 35-0875 Complete w/oil seals 37-1875												
YFZ-450 2004-13 **(Cylinder No. 5TA)** 439cc, 449cc Liquid Cooled 95mm 3.740" ***Resleeving required for oversizes*** *Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.*	AC	**YA-5495**	5495K (04-05) 5495K-3 (06-09)	95.00 95.01 95.02 96.00 97.00 98.00 95.00 96.00 97.00	Std. Std. Std. .040 .080 .120 Std. .040 .080	**(04-05) 12:1 COMP.** **(06-13) 11.4:1 COMP.** 4680A 4680B 4680C 4688	65.6805A 65.6805B 65.6805C 65.6805.200	**(04-05) 12:1 COMP.** **(06-13) 11.4:1 COMP.** 4865M09500 4865M09600 4906M09800 **(04-05) 13:1 COMP.** **(06-13) 12.4:1 COMP.** 4835M09500 4835M09600	3741XS 9600XS 3858XS 3741XS 9600XS	**(04-05) 12.5:1** **(06-13) 12.75:1** CPM1000 CPM1006 CPM1009 **(04-05) 13:1** **(06-13) 13.25:1** CPM1001 CPM1004 CPM1007	*(04-05) 12:1 COMP. **(06-13) 11.4:1 COMP. *8601DA **8784DA	**(06-13)** **12.5:1 COMP.** 247957 **13:1 COMP.** 247953 247952 **(04-05)** **13:1 COMP.** 221794 221793			Top End C3066-EST (96mm) C3445-EST (97mm) GS5495 (98mm)	Top End 35-2434 Complete w/oil seals 37-2434	Cylinder Works **20001** (Std. 95mm) Cylinder Works Complete Kit **20001-K01** (Std. 95mm) **Big Bore** Cylinder Works Complete Kit **23001-K01** (478cc, 98mm)	Intake 1X Titanium 28-24232 Steel 80-80215H Intake 2X Titanium 28-24233 Steel 80-80213H Exhaust 2X Titanium 28-24231 Steel 80-80217H Valve Springs 80-80206	Valve Guides Intake 80-80220 O/S +.001 80-80221 Exhaust 80-80230 O/S +.001 80-80231 Valve Seat Intake 10-SB285 Exhaust 10-SB305	Hot Cams Camshaft **(04-09)** 4023-1IN (Intake) 4044-1E (Exhaust) Shim Kit HCSHIM02 (9.48mm)	CC-2423	Hot Rods **(04-05)** HR4062 Stroker +1.4mm HR4073 (450cc) Stroker +4.4mm HR4173 (471cc) **(06-13)** HR4073 Stroker +3mm HR4173 (471cc)	**(04-05)** Pro-X 04922 **(06-13)** Pro-X 04909 Hot Rods HR8641	SX06C42 Bearing / Seal Kit **49K022**		Friction Kit 624358 Hinson Basket 31-213 **(04-06)** Basket 31-313 **(07-13)**	Hinson Inner Hub 31-198 Plate 31-212 Spring Kit CSKP-038 **(04-06)** CSKP-039 **(07-09)** CSKP-033 **(12-13)**
YFZ-450 2004-13 **Big Bore to 480cc** 98mm 3.858"		**YA-5495**		95.00 96.00 97.00	Std. .040 .080			**(06-13) 14:1 COMP.** 4929M09500	3741XS	**(04-05) 13.5:1** **(06-13) 13.75:1** CPM1002 CPM1005 CPM1008	**(06-13)** **13.5:1 Comp.** 8657DA	**(06-13)** **13.5:1 Comp.** 247956																
YFZ-450R 2009-18 **(Cylinder No. 2S2)** 449cc Liquid Cooled 95mm 3.740" ***Resleeving required for oversizes*** *Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.*	AC	**YA-5627**		95.00 95.01 95.02 96.00 97.00 95.00 96.00 97.00 95.00 96.00 97.00	Std. Std. Std. .040 .080 Std. .040 .080 Std. .040 .080	**11.6:1 Comp.** 4680A 4680B 4680C 4688	**11.6:1 Comp.** 65.6807A 65.6807.200 **13:1 Comp.** 65.6808A 65.6808.200	**11.4:1 Comp.** 4865M09500 4865M09600 **12.4:1 Comp.** 4835M09500 4835M09600 **14:1 Comp.** 4929M09500	3741XS 9600XS 3741XS 9600XS 3741XS	**12.75:1 Comp.** CPM1000 CPM1006 **13.25:1 Comp.** CPM1001 CPM1004 CPM1007 **13.75:1 Comp.** CPM1002 CPM1005 CPM1008	**11.6:1 Comp.** 8784DA **13.5:1 Comp.** 8657DA	**12.5:1 Comp.** 247957 **13:1 Comp.** 247953 **13.5:1 Comp.** 247956			Top End C7908-EST (95mm) C3178-EST (98mm) C3279-EST (99mm)	Top End 35-0944 Complete w/oil seals 37-1944	Cylinder Works **20003** (Std. 95mm) Cylinder Works Complete Kit **20003-K02** (Std. 95mm)	Intake 1X Titanium 28-24232 Steel 80-80215H Intake 2X Titanium 28-24233 Steel 80-80213H Exhaust 2X Titanium 28-24231 Steel 80-80217H Valve Springs 80-80206	Valve Guides Intake 80-80220 O/S +.001 80-80221 Exhaust 80-80230 O/S +.001 80-80231 Valve Seat Intake 10-SB285 Exhaust 10-SB305	Hot Cams Camshaft 4288-2IN (Intake) 4289-2E (Exhaust) Shim Kit HCSHIM02 (9.48mm)	CC-2429	Hot Cams **(09-13)** HR4406	**(09-13)** Hot Rods HR8688	Bearing / Seal Kit **49K070**		Friction Kit 16.S24056 Hinson Basket 31-216 **(09-10)** Basket 31-413 **(2011-13)** Spring Kit CSKP-039	Hinson Inner Hub 31-198 Plate 31-212
YFZ-450R 2009-18 **Big Bore to 480cc** 98mm 3.858" *Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gasket Kit.*	BB	**YA-5627**		98.00	.120					**12.75:1 Comp.** CPM1009		**13:1 Comp.** 247952			Top End C3178-EST		**Big Bore** Cylinder Works Complete Kit **21003-K02** (478cc, 98mm)			Hot Cams Camshaft 4302-3IN (Intake) 4303-3E (Exhaust)								

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L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.) ★		SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA FOUR-STROKE (CONTINUED)																												
Grizzly 550 2009-14 558cc Liquid Cooled 92mm 3.622"	RS **YA-5690**			92.00	Std.			**10:25 Comp.** 40104M09200	9200XX						Top End 35-0946												
Grizzly 600 1998-01 595cc Single 95mm 3.740"	RS **YA-814**			95.00 95.50 95.75 96.00 96.25 96.50 96.75 97.00	Std. .020 .030 .040 .050 .060 .070 .080	7052 7053 7054 7055 7056 7057 7058		4797M09500 4797M09600 4797M09700	3740XH 3780XH 3819XH		8501DA			Top End C7213	Complete w/oil seals 37-1833											
Grizzly 600 to 635cc 98mm 3.858"	BB **YA-814BB**			98.00	.120			**10:1 Comp.** 4607M09800	3858XH		**10:1 Comp.** 8501D300			Top End C7276													
YFM-660 2001-06 **Raptor** **Grizzly 660 2002-08** 660cc Liquid Cooled 100mm 3.937"	RS **YA-7018**	7018K (Raptor) 7018K-1 (Grizzly)		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	**11:1 Comp.** 4737M10000 4737M10050 4737M10100 4811M10200	3937XS 10050XS 10100XS 4014GFX	**11:1 Comp.** CPM1015A CPM1016A	**9.9:1 Comp.** 8507DA 8507D100 8507D200	**10.75:1 Comp.** 272144 272146 272148		Top End C7044-EST (100mm) C7798-EST (102mm)	**Raptor** Top End 35-2660 Complete w/oil seals 37-2660		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 Valve Seat Intake 10-SB325 Exhaust 10-SB345	Hot Cams Camshaft 4011-1 (Stage 1) **[Raptor]** 4005-2 (Stage 2) **[Raptor]** 4034-1 **[Grizzly]** Mudbuster 4100-1 **[Grizzly]** (Stage 1)	CC2661 (01-05)	**Raptor** HR4044 **Grizzly** HR4080 Stroker +4mm HR4180 (691cc) **Raptor** (719cc) Stroker +4mm HR4144 *Must use Stroker Piston VT23624A	04939 (02-08)	6307C3	Bearing / Seal Kit **49K240** Used when Rebuilding Crankshaft Bearing / Seal Kit **49K024** Used with New Crankshaft		Hinson Basket 31-069 Clutch Spring Kit CSKP-031	
YFM-660 2001-06 **Raptor** **Grizzly 660 2002-08** **Big Bore to 727cc** 105mm 4.134" *Case Modification Required*	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 (Stage 1) **[Raptor]** 4005-2 (Stage 2) **[Raptor]** 4034-1 (Stage 1) **[Grizzly]**			04939 (02-08)	6307C3		Hinson Basket 31-069 Clutch Spring Kit CSKP-031	

L.A. SLEEVE Since 1945

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
YAMAHA FOUR-STROKE (CONTINUED)																												
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				**9.9:1 Comp.** 8507DA 8507D100 8507D200	**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 (691cc)	Pro-X 04939	Bearing / Seal Kit **49K240** Used when Rebuilding Crankshaft		Clutch Spring Kit CSKP-031	
				100.00 102.00	Std. .080							**11:1 Comp.** 261525 261528																
				100.00 102.00	Std. .080							**12:1 Comp.** 261526 261529												Bearing / Seal Kit **49K024** Used with New Crankshaft			
Rhino 660 2005-08 **Big Bore to 727cc** 105mm 4.134" *Case Modification Required*	BB	**YA-7018B**		105.00	.196							**12:1 Comp.** 261532		Top End C7909-EST														
Raptor 700R 2006-18 **(Cylinder No. 1S3)** 686cc Liquid Cooled 102mm 4.016" ***Resleeving required for oversizes*** *Cylinder Works Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gaskets.*	AC	**YA-5609**	5609K (06-14) 5609K-1 (15-18)	102.00 103.00	Std. Std.	**(06-14)** **9.2:1 Comp.** 01.2706A		**(06-14)** **9.2:1 Comp.** 4902M10200 4902M10300		**(06-14)**		**(06-14)** **10:1 Comp.** 300175		Top End C3142-EST (103mm) C3143-EST (104mm)	Top End 35-0923 Complete w/ Oil Seals 37-1923	Cylinder Works **(06-18)** **20004** (Std. 102mm) Complete Kit **(06-14)** **20004-K01** (Std. 102mm) **(15-18)** **20004-K02** (Std. 102mm)	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 **(06-08)** Stage 1 4064-1 Stage 2 4065-2 Stage 3 4091-3 **(09-14)** Stage 1 4131-1 Stage 2 4132-2 Stage 3 4133-3	CC-2706	**(06-14)** HR4078 Stroker +5mm HR4178 (727cc)	Hot Rods **(06-14)** HR8651	Bearing / Seal Kit Used with HR4078 **49K053**			
				102.00 103.00	Std. Std.	**11:1 Comp.** 01.2707A	**11:1 Comp.** 65.6825A	**11:1 Comp.** 4903M10200 4903M10300		**11:1 Comp.** CPM1039A	**11:1 Comp.** 8673DA	**11:1 Comp.** 300176																
				102.00 103.00	Std. Std.	**(15-18)** **10:1 Comp.** 01.2714A		**(15-18)** **10:1 Comp.** 40119M10200 40119M10300		**(15-18)** **11:1 Comp.** CPM1093		**(15-18)**												Bearing / Seal Kit For rebuilding crank **49K054**			
Grizzly 700 2007-15 **Rhino 700 2008-13** **Viking 700 2014-18** **(Cylinder No. 3B4)** 686cc Liquid Cooled 102mm 4.016" ***Resleeving required for oversizes*** *Cylinder Works Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gaskets.*	AC	**YA-5609**	5609K-3	102.00 103.00	Std. Std.	**(07-13)** **9.2:1 Comp.** 01.2706A	**(07-13)**	**(07-13)** **9.2:1 Comp.** 4902M10200 4902M10300		**(07-13)**	**(07-13)**	**(07-13)** **10:1 Comp.** 300175		Top End C3142-EST (103mm) C3143-EST (104mm)	Top End 35-0941 Complete w/ Oil Seals 37-1941	Cylinder Works **20104** (Std. 102mm) Complete Kit **Grizzly** **(07-13)** **Rhino** **20104-K01** (Std. 102mm) **Grizzly** **Viking** **(14-18)** **20104-K02** (Std. 102mm)	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 **Grizzly** **(07-13)** Mudbuster 4126-M Stage 1 4127-1 Stage 2 4128-2 **Rhino** Stage 2 4129-2 Stage 3 4130-3	CC-2706	**Grizzly** **(07-13)** **Rhino** HR4079 Stroker +5mm HR4179 (727cc)	**Grizzly** **(07-13)** **Rhino** HR8651	Bearing / Seal Kit Used with HR4079 **49K053**			
				102.00 103.00	Std. Std.	**11:1 Comp.** 01.2707A		**11:1 Comp.** 4903M10200 4903M10300		**11:1 Comp.** CPM1039A	**11:1 Comp.** 8673DA	**11:1 Comp.** 300176																
				102.00 103.00	Std. Std.	**(14-18)** **10:1 Comp.** 01.2714A		**(14-18)** **10:1 Comp.** 40119M10200 40119M10300		**(14-18)** **11:1 Comp.** CPM1093														Bearing / Seal Kit For rebuilding crank **49K054**			

L.A. SLEEVE Since 1945

YAMAHA FOUR-STROKE (CONTINUED)

MODEL Engine Description Cylinder I.D. (mm/in.)	★	SLEEVE	REBUILD KIT Sleeve - Piston - Gasket	BORE SIZE	PISTON SIZE	TOP END PRO-X PISTON	LAPC PISTON	WISECO PISTON	WISECO RING	CP PISTON	WOSSNER PISTON	JE PISTON		COMETIC GASKET	L.A. SLEEVE GASKET	CYLINDER AFTERMARKET KITS	VALVE TRAIN VALVE Valve Spring Kit	VALVE GUIDE VALVE SEAT	CAMSHAFT SHIM KIT	CAM CHAIN	BOTTOM END CRANKSHAFT	CON-ROD KIT	CRANK BEARING	CRANK SEAL KIT	CLUTCH CLUTCH PLATE SET	CLUTCH BASKET	CLUTCH INNER HUB	PRESSURE PLATE
Raptor 700R 2006-18 **Grizzly 700 2007-15** **Rhino 700 2008-13** **Viking 700 2014-18** **Big Bore To:** 727cc 105mm 735cc 105.5mm *Cylinder Works Complete Cylinder Kit Includes Cylinder, Piston Kit, and Top End Gaskets.*		AC	**YA-5609**		105.00	.120					**(06-13)** **11:1 Comp.** CPM1041A		**(06-13)**		Top End C3144-EST (105.5mm)		Complete Kit **Raptor** **(06-14)** **21004-K01** (105mm, 727cc) **Grizzly** **(07-13)** **Rhino** **21104-K01** (105mm, 727cc) **Grizzly** **Viking** **(14-18)** **21104-K02** (105mm, 727cc)										
				105.00	.120					**12:1 Comp.** CPM1042A																
				105.50	.140					**12.5:1 Comp.** CPM1054		**12.5:1 Comp.** 284767														
				105.50	.120		**(14-18)** **10:1 Comp.** VT23967A																			
Grizzly 700 2016-18 **Kodiak 700 2016-18** **Wolverine 700 2016-17** **(Cylinder No. 2MB)** 708cc Single Liquid Cooled 103mm 4.055"		AC	**YA-5784**												Top End C3599-EST												
YXR1000R 2016-17 998cc Triple Liquid Cooled 80mm 3.150"																											

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	CYLINDER	PISTON KIT	BORE SIZE	GASKET	KIT PRICE	KIT+INSTALL	LETTER CODE
ATC250R-295	85-86		H-845B		W845PS		GS845	410.00	690.00	A/B/C
TRX250R-295	1986		H-845B		W845PS		GS845	410.00	690.00	A/B/C
TRX250R-295	87-89		H-5032B		W845PS		GS845-W/BSP845	440.00	720.00	A/B/C

NIKS PROCROSS CYLINDER KITS

MODEL	YEAR	KIT NO.	SLEEVE	CYLINDER	PISTON KIT	BORE SIZE	GASKET	KIT PRICE	KIT+INSTALL	LETTER CODE
ATC250R - 295	85-86	NIKS-302		N303	W845PS	72.00MM	TOP END			
TRX250R - 295	86				W845P1	72.25MM	GS300			
				HEAD	W845P2	72.50MM				
				NH300	W845P4	73.00MM				
					W845P6	73.50MM				
TRX250R - 295	87-89	NIKS-307		N303	W845PS	72.00MM	TOP END			
					W845P1	72.25MM	GS300			
				HEAD	W845P2	72.50MM				
				NH300	W845P4	73.00MM	BASE PLATE			
					W845P6	73.50MM	BSP845			
ATC250R -330	85-86	NIKS-306		N306	W330PS	76.00MM	TOP END			
TRX250R - 330	86-89				W330P2	76.50MM	GS330			
				HEAD	W330P4	77.00MM				
				NH306	W330P6	77.50MM	BASE PLATE			
							BSP330			
TRX250R - 350	86-89				W330P8	78.00MM	TOP END			
					W330P10	78.50MM	GS350			

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		460.00	625.00*	A/B/D
TRX400EX-430	99-12	LAS-5445B1	H-5445	65.1821.300 (11:1)	C7826-EST		376.00	540.00	A/B
TRX400EX-440	99-12	LAS-5445B2	H-5445	65.1821.400 (11:1)	C7826-EST		376.00	540.00	A/B
TRX400EX-440	99-12	LAS-5445	H-5445	8604D400 (11:1)	C7826-EST	1043-2	610.00	775.00	A/B
TRX400EX-440	99-12	LAS-5445B	H-5445	4794M08900 (12:1)	C7826-EST	1043-2	620.00	785.00	A/B
TRX450R-480	04-05		H-5561	8610DA (11:1)	C7201-EST		388.00	535.00	A/B
TRX450R-470	06-14		H-5537	CPM2038 (12.5:1)	C3141-EST		430.00	579.00	A/B
TRX450R-480	06-14	LAS-5537B1	H-5537B	325026 (12:1)	C3272-EST		430.00	579.00	A/B

**Case boring not included in price*

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	810.00	975.00	A/B
KFX400-440	03-06	LAS-5430B1	FL-5430B	4796M09450 (13.5:1)	C7963-EST	2249-1IN, 2250-1E	810.00	975.00	A/B
KFX400-453	03-06	LAS-5430B2	FL-5430B	65.2700.550 (13:1)	GS5430	2249-1IN, 2250-1E	820.00	985.00	A/B
KVF650-785	02-03	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1045.00	1295.00	A/B
KFX700-750	04-10	LAS-5526B1	KA-5526B 2X	8679D300 (11:1) 2X	GS5526	2036-1S	1045.00	1295.00	A/B
700 4X4-797	04-06	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1045.00	1295.00	A/B
KFX700-797	04-10	LAS-5526B	KA-5526B 2X	221786 (11:1) 2X	GS5526	2036-1S	1045.00	1390.00	A/B
Brute Force 750-840	05-17	LAS-5592B	KA-5592B 2X	274192 (11.5:1) 2X	C3251-EST	2036-1S	1090.00	1390.00	A/B
Teryx 750-840	08-13	LAS-5592B	KA-5592B 2X	274192 (11.5:1) 2X	C3251-EST	2036-1S	1090.00	1390.00	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
LT500-530	1987		FL5021H	561M08900	C7273		380.00	660.00	A/B/C/F
LT500-530	88-90		FL-5073H	561M08900	C7274		380.00	660.00	A/B/C/F

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		320.00	480.00	A/B
LTZ400-440	02-14	LAS-5430B	FL-5430B	4795M09450 (12.5:1)	C7963-EST	2249-1IN, 2250-1E	810.00	975.00	A/B
LTZ400-440	02-14	LAS-5430B1	FL-5430B	4796M09450 (13.5:1)	C7963-EST	2249-1IN, 2250-1E	810.00	975.00	A/B
LTZ400-453	02-14	LAS-5430B2	FL-5430B	65.2700.550 (13:1)	GS5430	2249-1IN, 2250-1E	820.00	985.00	A/B
LTR450-473	06-11	LAS-5625B	FL-5625B	CPM4012 (12.5:1)	C3157-EST	2072-1IN, 2073-1E	810.00	975.00	A/B
LTR450-493	06-11	LAS-5625B1	FL-5625B	252747 (12.8:1)	C3158-EST	2072-1IN, 2073-1E	810.00	975.00	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		KIT PRICE	KIT+INSTALL	LETTER CODE
Blaster 200-240	88-06	LAS-5035B	YA-5035B	W240PS	GS5035		385.00	665.00	A/B/C/F
Banshee 350-409	87-06	LAS-5023B	YA-5023B(2)	W5023PS(2)	Cool Head CH5023	830.00	890.00	1250.00	

NIKS PROCROSS CYLINDER KITS

MODEL	YEAR	KIT NO.	CYLINDER	PISTON KIT	BORE SIZE	GASKET
Banshee 350 - 409	87-06	NIKS-409	N409	W5023PS	68.00MM	TOP END
				W5023P1	68.25MM	GS409
			HEAD	W5023P2	68.50MM	
			NH409			

YAMAHA ATV 4-STROKE

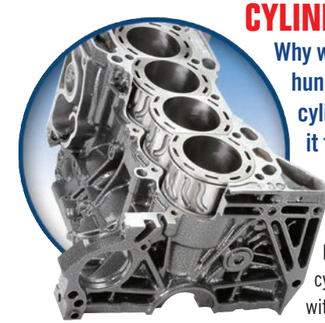
MODEL	YEAR	KIT NO.	SLEEVE	PISTON KIT	GASKET	CAM	KIT PRICE	KIT+INSTALL	LETTER CODE
YFZ450-460	04-05	LAS-5495B1	YA-5495	4688 (12:1)	C3445-EST	4023-1IN, 4044-1E	765.00	910.00	A/B
YFZ450-470	06-13	LAS-5495B1	YA-5495	4688 (11.5:1)	C3445-EST	4023-1IN, 4044-1E	765.00	910.00	A/B
YZF450R-480	09-13	LAS-5627B3	YA-5627	CPM1009 (12.75:1)	C3178-EST	4302-3IN, 4303-3E	810.00	940.00	A/B
Grizzly 600-635	98-01	LAS-814BB	YA-814BB	4607M09800 (10:1)	C7276		360.00	505.00	A/B
Grizzly 600-675	98-01	LAS-7028	YA-7028	8501D600 (10.5:1)	C7277		360.00	505.00*	A/B/D
YFM660R-686	01-06	LAS-7018	YA-7018	65.6821.200 (12:1)	C7798-EST		420.00	570.00	A/B
Raptor 660-727	01-06	LAS-7018B	YA-7018B	65.6821.500 (12:1)	C7909	4011-1	675.00	840.00*	A/B/D
Grizzly 660-727	02-08	LAS-7018B1	YA-7018B	65.6821.500 (12:1)	C7909	4034-1	675.00	840.00*	A/B/D
Rhino 660-727	05-08	LAS-7018B1	YA-7018B	65.6821.500 (12:1)	C7909	4034-1	675.00	840.00*	A/B/D
Rhino 700-735	08-13	LAS-5609B	YA-5609	284767 (12.5:1)	C3144-EST	4129-2	630.00	780.00	A/B
Raptor 700-735	06-08	LAS-5609B1	YA-5609	284767 (12.5:1)	C3144-EST	4065-2	630.00	780.00	A/B
Raptor 700-735	09-14	LAS-5609B2	YA-5609	284767 (12.5:1)	C3144-EST	4132-2	630.00	780.00	A/B
Grizzly 700-735	07-15	LAS-5609B3	YA-5609	284767 (12.5:1)	C3144-EST	4128-2	630.00	780.00	A/B

INDIVIDUAL KIT PARTS MAY BE ORDERED SEPARATELY

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

ENGINE & SHOP SERVICES

CYLINDER REPAIR

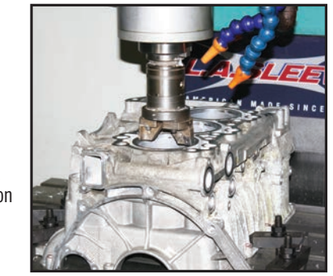


Why would you spend several hundred dollars to buy a new cylinder when we can repair it for a fraction of the cost?

Sleeving... Still The Solution!

Re-sleeving worn or seized cylinders and cylinder blocks with cylinder sleeve liners manufactured by L.A. Sleeve Co. continues to be the solution for riders, racer, and engine builders everywhere. Our top quality cylinder sleeves, four-stroke and two-stroke, have proven to be durable and economical with the added advantage of being boreable. Re-sleeved cylinders will never flake or peel.

L.A. Sleeve offers re-sleeving services for automotive, small engine, motorcycle, ATV, snowmobile, marine and watercraft.



Four-stroke cylinders receive a newly installed cylinder sleeve, are bored, honed to fit the piston and the top is surfaced when required.

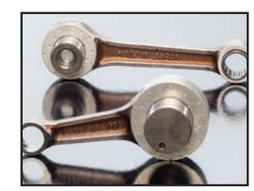
Two-stroke cylinders receive a newly installed sleeve. All of the ports are matched, blended and chamfered. The sleeved cylinder is bored and honed to fit the piston. The top deck is surfaced to be as new. A properly installed two-stroke sleeve renews the cylinder and retains the original performance of the engine.

Send us your cylinder or cylinder block along with instructions. Our sleeving department will install a new sleeve or multiple sleeves into your cylinder and return it ready to install and run.

CYLINDER RE-PLATING

L.A. Sleeve offers a full cylinder re-plating service for the rider who desires to maintain the original plated bore. We will strip, weld and repair the damaged bore, then re-plate the cylinder bore with Nickel-Silicon-Carbide plating. L.A. Sleeve will supply you with a new piston and gasket kit and size the piston to the freshly plated bore.

CRANKSHAFT REBUILDING



We provide complete crank rebuilding to you. No need to buy an OEM crankshaft, when we can install a new aftermarket connecting rod kit. Our service comes complete with pressing crank apart, inspecting web journals, reinstalling new aftermarket rod kit and truing crank to exact tolerances.

4-STROKE HEAD SERVICE, REPAIR AND CNC PORTING

L.A. Sleeve is a leader in four-stroke development technology. Our years of experience will assure you receive the proper service required.

We will disassemble, inspect, rebuild and re-assemble your head. L.A. Sleeve uses state of the art CNC machinery to do head porting and valve work. We are able to perform a standard 3-angle valve job or a performance 5-angle radius valve job. We can replace worn valve guides or install high performance guides. Let us replace your iron valve seats with our copper/beryllium seats to insure reliability and longevity of your steel or titanium valves.

2017-18 CYLINDER DEPARTMENT BASIC SERVICE FEES

Rates shown are for labor only, parts are additional.

	RETAIL PRICE
Sleeve Installation - two stroke single cylinder	$165.00
(Includes installing sleeve, matching ports, chamfering port edges, boring and honing to size piston, milling top deck)	
Sleeve Installation - four stroke single cylinder	$148.00
(Includes installing sleeve, boring and honing to size piston, milling top deck)	
Sleeve Installation - Big Bore two stroke sleeve	$180.00
Sleeve Installation - Big Bore four stroke sleeve	$165.00
Cylinder Re-plating	$275.00
Head Mod - two stroke	$100.00
Boring / Honing - single	$70.00
Porting / Polish - two stroke single	$350.00
Porting/Polish Cylinder with Head Mod 2-stroke	$425.00
Head Flow Port & Polish - four stroke 2-valve	begins @ $355.00
4-valve	begins @ $500.00
5-valve	begins @ $560.00
Valve Job - 2 valve	begins @ $127.50
Valve Job - 4 valve	begins @ $180.00
Valve Job – 5 valve	begins @ $210.00
Valve Guide Replacement	without guide $34.00
Valve Seat Replacement	without seat $72.00
Race Performance Valve Seats	Call for Quote
Valve and Spring Kits	Call for Quote
Crankshaft Rebuilding – Single	$87.00
Twin	$185.00
Triple	$270.00
4-Stroke Crank with oilers	$100.00

Additional Charges for:

Stud Removal	$28.00
Power Valve - mod, removal, cleanse, re-install	$65.00

SPECIAL applications have additional charges and will be quoted before any work begins. Prices subject to change without notice..

Sleeve Installation

The ★ column, next to the sleeve part number, will help the rebuilder identify the cylinder that is to be sleeved.
The ★ column designation will also help the rebuilder to determine the proper installation procedure.

★ Column Code Explanations:

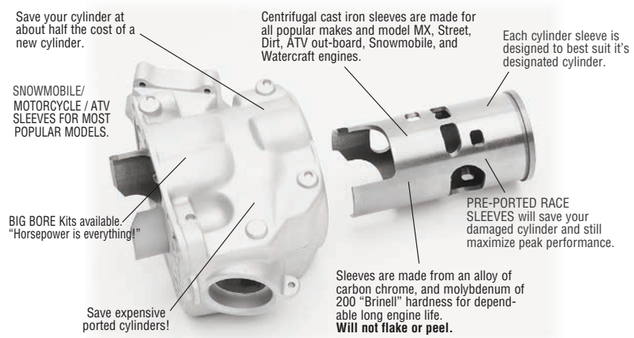
AC - *Original cylinder bore is alloy-chrome plated, Nikasil, or electrofused. The cylinder must be bored to accept the new cylinder sleeve.*

CS - *Original block has a cast-in sleeve liner in the cylinder. The cylinder must be bored out to accept the new cylinder sleeve. The cast-in liner will be bored completely out of the cylinder. Do not try to push out the cast-in liner, cylinder damage may be the result.*

CI - *Original block has a cast-in liner in the cylinder. The cylinder must be bored to accept the new cylinder sleeve. When using a CI style sleeve the cast-in liner will not be completely removed. The sleeve is designed to insert into the iron lined cylinder.*

RS - *Original block has a replacement sleeve. Heat the cylinder to remove the sleeve. Reheat the cylinder to install the new cylinder sleeve.*

CC - *Original barrel is cast-iron. The cylinder must be bored to accept the new cylinder sleeve.*



General Rules for Sleeve Installation:

These tips are intended to be a guide for installing sleeves into cylinders. There are always exceptions to the rule and care must be taken on special applications.

ALWAYS WAIT UNTIL THE SLEEVE ARRIVES BEFORE BEGINNING ANY MACHINE WORK. NEVER ASSUME THAT THE STATED MODEL AND YEAR OF THE CYLINDER IS CORRECT. ALWAYS CHECK TO SEE IF THE SLEEVE PORTS MATCH THE CYLINDER PORTS.

1. *Interference fit for cylinder sleeve to aluminum bore is .004.*
2. *Interference fit for cylinder sleeve to a cast iron bore is .002 to .003.*
3. *Installation of flanged type sleeves follow the same rules, but the top of the cylinder must have a counter-sink to the correct depth to accept the flanged sleeve. .000 to .001 interference fit on the flange diameter is recommended.*
4. *Heating the cylinder for 45 minutes to one hour at 350 degrees to 450 degrees is preferable.*
5. *The sleeve should slide in very easily when the cylinder is properly heated. Freeze shrinking the sleeve is not necessary. (Some machinists believe this assists installation of the sleeve.)*
6. *REMEMBER: Rap or press the sleeve down while the cylinder is cooling down. Use a hydraulic press for this procedure.*
7. *Milling the top deck of the cylinder always adds a quality touch. A caution here, some cylinders may not be able to have the top surface decked.*
8. *For two-stroke cylinders, blending or matching the aluminum cylinder to the sleeve ports is recommended for proper fuel flow.*

CRANKSHAFT BEARINGS

L.A. SLEEVE CO. supplies genuine O.E.M. quality replacement crankshaft bearings. Manufactured in Japan using all O.E.M. specifications.

CRANKSHAFT MAIN BEARINGS DIMENSIONS CHART

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

Los Angeles Sleeve Co., Inc. Limited Warranty

Los Angeles Sleeve Co. warrants this product will be free from defects in material and workmanship for thirty (30) days following date of original purchase. If the product is found by LOS ANGELES SLEEVE CO. to be defective, such products will, at LOS ANGELES SLEEVE CO.'s option , be replaced or repaired at cost to LOS ANGELES SLEEVE CO. All products alleged by Purchaser to be defective must be returned to LOS ANGELES SLEEVE CO., postage prepaid , within the thirty (30) days warranty period.

THIS LIMITED WARRANTY DOES NOT COVER LABOR OR OTHER COSTS OR EXPENSES INCIDENTAL TO THE REPAIR AND/OR REPLACEMENT OF PRODUCTS OR PARTS.

This limited warranty does not apply to any products which has been subject to misuse, mishandling, misapplication, neglect (including but not limited to improper maintenance) , accident, improper installation, modification (including but not limited to use of unauthorized parts or attachments), or adjustment or repair performed by anyone other than LOS ANGELES SLEEVE CO.

The parties hereto expressly agree that the Purchaser's sole and exclusive remedy against LOS ANGELES SLEEVE CO. shall be for the repair or replacement of the defective product as provided in this limited warranty. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as LOS ANGELES SLEEVE CO. is willing and able to repair or replace defective goods.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOT EXPRESSLY SET FORTH HEREIN. ANY PRODUCT WHICH MAY BE SOLD BY LOS ANGELES SLEEVE CO. BUT WHICH IS NOT MANUFACTURED BY LOS ANGELES SLEEVE CO. IS NOTWARRANTEED BY LOS ANGELES SLEEVE CO. BUT IS SOLD ONLY WITH THE WARRANTIES, IF ANY, OF THE MANUFACTURERS THEREOF.

LOS ANGELES SLEEVE CO.'S LIABILITY (WHETHER UNDER THE THEORIES OF BREACH OF CONTRACT OR WARRANTY, NEGLIGENCE OR STRICT LIABILITY) FOR ITS PRODUCTS SHALL BE LIMITED TO REPAIRING OR REPLACING PARTS FOUND BY LOS ANGELES SLEEVE CO. TO BE DEFECTIVE, OR AT LOS ANGELES SLEEVE CO.'S OPTION, TO REFUND THE PURCHASE PRICE OF SUCH PRODUCT. IN NO EVENT SHALL LOS ANGELES SLEEVE CO. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT. CONSEQUENTIAL DAMAGES SHALL INCLUDE, WITHOUT LIMITATION , LOSS OF USE, INCOME OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY (INCLUDING DEATH) TO ANY PERSON, OR LOSS OF OR DAMAGE TO PROPERTY.

Any claim by Purchaser regarding this product shall be deemed waived by the Purchaser unless submitted to LOS ANGELES SLEEVE CO. within the earlier of (i) fifteen (15) days following the date Purchaser discovered, or by reasonable inspection should have discovered , any claimed breach of this limited warranty, or (ii) thirty (30) days following the date of original purchase. Any cause of action for breach of this limited warranty shall be brought within six months from the date the alleged breach was discovered or should have been discovered, whichever occurs first.

Some states do not allow limitations on how long an implicit warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

LOS ANGELES SLEEVE CO.

Weather Treated

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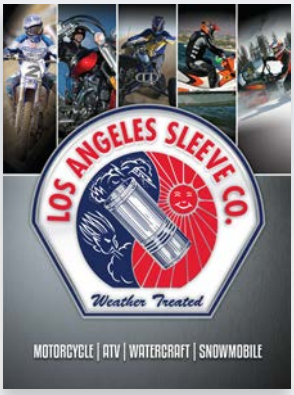
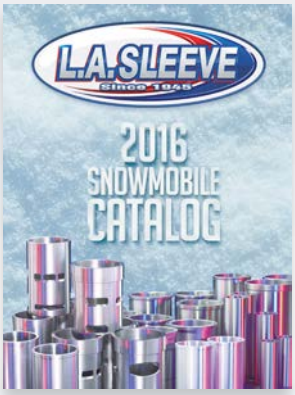
Performance Sleeve Catalog



Powersports Catalog



Snowmobile Catalog