

Part Number	K2SX w/ 2 AXIS Machine S/N Includes CJ K3SX w/ 2 AXIS Machine S/N Includes CK K2SX-3 Machine S/N Includes CM K3SX-3 Machine S/N Includes CN	2020 List Price	Exchange Part#	2020 Exchange Price	NOTES
<b>General</b>					
21830-12-10PK	10 PACK-FUSE-TYPE 3AB-12A-SLO BLO	\$16	N/A	N/A	N/A
21824-5-10PK	10 PK-FUSE-3AG-TIME DELAY-.25x1.25L-5A	\$16	N/A	N/A	N/A
21824-8-10PK	10 PK-FUSE-3AG-TIME DELAY-.25x1.25L-8A	\$16	N/A	N/A	N/A
C19	ADAPTER LOCKING BOLT (8" BOLT)	\$8	N/A	N/A	N/A
20873	CHIP GUARD SET OF 3 - K2/K3	\$215	N/A	N/A	C59, C60, C61
9001	HAND OILER	\$120	N/A	N/A	N/A
20852	HANDLE - TABLE LOCK HANDLE	\$38	N/A	N/A	N/A
20854	KNEE CRANK HANDLE ASSY(K2/K3)	\$75	N/A	N/A	N/A
C114	LEVELING PAD-K2/K3	\$29	N/A	N/A	N/A
C112	LEVELING SCREW & NUT-K2/K3	\$9	N/A	N/A	N/A
27284	PAINT KIT - TOUCH UP	\$98	N/A	N/A	N/A
20874	WAY COVER BACK KNEE FLAT K2	\$83	N/A	N/A	N/A
20871	WAY COVER BACK KNEE FLAT K3 & K4	\$83	N/A	N/A	N/A
20875	WAY COVER FRONT KNEE ACCORD K2	\$83	N/A	N/A	N/A
20872	WAY COVER FRONT KNEE ACCORD K3 & K4	\$83	N/A	N/A	N/A
<b>CNC Control</b>					
22555-15	CABLE ASSY-LOGIC - 37 pin EB TO PENDANT	\$54	N/A	N/A	N/A
22608	CABLE ASSY-POWER 10 FT	\$16	N/A	N/A	N/A
24030-1	COMPUTER MODULE-SX-USA	\$5,081	24030-1R	\$947	Floppy drive, for s/n 114xxxxxxx and before
24030-4	COMPUTER MODULE-SX-USA	\$5,081	24030-4R	\$947	N/A
23394	FAN-PT4	\$33	N/A	N/A	N/A
25078-1	FLASH DISK REPL KIT-XP VER 2.0-6773	\$222	N/A	N/A	REV C PENDANT AND BEFORE
25078	FLASH DISK REPL KIT-XP VER3.X-6773 W/PER	\$222	N/A	N/A	REV D PENDANT TO REV H
24088-512	MEMORY CARD-COMPACT FLASH-FORMATTED	\$234	N/A	N/A	FOR REV I AND LATER PENDANT
24088-1	MEMORY CARD-COMPACT FLASH-FORMATTED PCA-	\$234	N/A	N/A	FOR 24000-7 AND 24000-9 PENDANTS
24000-1	PENDANT-SMX	\$8,709	24000-1R	\$1,224	N/A
24000-7	PENDANT-SMX	\$8,709	24000-7R	\$1,266	N/A
24008-1	PENDANT-SMX-USA-W/O COMPUTER MODULE	\$3,486	24008-1R	\$873	N/A
24671-512	Sell 24671-2GB Obsolete USB-FLASH DRIVE	\$37	N/A	N/A	REPLACED 24671-256
24671-2GB	USB-FLASH DRIVE-2GB	\$78	N/A	N/A	N/A
<b>Head Parts</b>					
24374	FAN SPINDLE MOTOR - 24163 / 24162	\$192	N/A	N/A	FOR SPINDLE CONTROL OPTION MOTOR, WAS 24198
20813	HEAD ASSY-K2/K3/KE-R8 GREEN	\$7,259	20813R	\$4,357	N/A
24581-3	HEAD ASSY-SPINDLE CONTROL-3 HP-GREEN-R8	\$7,259	N/A	N/A	N/A
27347-1	REBUILD KIT-UPPER HEAD-K2/K3/DPM2	\$1,323	N/A	N/A	N/A
24162	SPINDLE MTR ASSY-3 HP-INVRTER DUTY-WHITE	\$1,383	N/A	N/A	BLACK MOTOR REPLACES WHITE MOTOR. 220V MOTOR FAN - 24374
23632	SPINDLE PULLEY-117MM	\$98	N/A	N/A	W/SPINDLE CONTROL OPTION
23968	SWITCH ASSY-PT5-LIMIT HI/LOW	\$317	N/A	N/A	USED W/SPINDLE CONTROL OPTION

24633-3R	UPR HD ASSY-SPINDLE CONTROL-3 HP-GREN-R8	\$2,895	N/A	N/A	N/A
<b>Head Parts</b>	<b>Upper Head</b>				
VS13-1	6206 WAVE WASHER	\$10	N/A	N/A	N/A
VS5	ADJ MOTOR VARIDISC ASS (w/VS6-1 KEY)	\$257	N/A	N/A	N/A
VS47	BALLSCREW LX X-AXIS METRIC	N/A	N/A	N/A	ORDER 24055 BRAKE SHOE ASSEMBLY
VS43	BEARING - (SEE 24564)	\$98	N/A	N/A	N/A
24564	BEARING HOUSING ASSY-K2/K3	\$126	N/A	N/A	INCLUDES VS42, VS43
VS15	BEARING-DEEP GROOVE	\$98	N/A	N/A	CHECK IF 6007 OR 6908
K-B131	BEARING-DEEP GROOVE	\$24	N/A	N/A	N/A
23954	BEARING-SET OF 2 EA (6203ZZ)	\$33	N/A	N/A	(2)FVS65 (OLD P/N AK118)
VS63	BELT - TIMING BELT	\$101	N/A	N/A	BACK GEAR TIMING BELT
VS4	BELT, SPINDLE DRIVE (875VC 38-28)	\$182	N/A	N/A	W/OUT SPINDLE CONTROL OPTION
33VS0046C	BRAKE BEARING CAP WITH BEARING-R8	\$147	N/A	N/A	Includes VS43-1
VS59	BRAKE BLOCK (SET OF 2)	\$32	N/A	N/A	N/A
24055	BRAKE SHOE ASSY ALL K MILLS & DPM5	\$171	N/A	N/A	(2)VS47 (2)VS49 (4)VS122, (4)VS120
VS49	BRAKE SPRING -see also 24055	\$10	N/A	N/A	ORDER 2, SEE ALSO 24055
VS6	BUSHING	\$72	N/A	N/A	REPLACES FVS6
VS13	CAP - TOP BEARING CAP	\$38	N/A	N/A	N/A
24975	CHAIN & STUD ASS'Y - SPEED CHANGE - R8	\$38	N/A	N/A	VS30, VS32, VS33, VS34, VS35
26987	DRAWBAR-K2/K3-R8 (INCLUDES SPACER)	\$205	N/A	N/A	N/A
VS109	DRAWBAR-R8-MANUAL	\$89	N/A	N/A	N/A
VS22	GEAR - SPEED CHANGER GEAR	\$25	N/A	N/A	N/A
VS21	GEAR - WORM GEAR	\$25	N/A	N/A	N/A
VS74	GEAR-SPINDLE BULL GEAR ASSY(see 20778-2)	\$292	N/A	N/A	N/A
24083	HI/LOW SHAFT ASSEMBLY	\$62	N/A	N/A	N/A
20778-2	HI-LOW SHIFT CLUTCH SUB-ASSY (3VK-A2)	\$599	N/A	N/A	N/A
20778-3	HI-LOW SHIFT SUB-ASSY (3VK-A3)	\$149	N/A	N/A	N/A
VS73	HUB - SPLINE GEAR HUB	\$112	N/A	N/A	N/A
VS3-1	KEY 6x6x44.5L	\$10	N/A	N/A	N/A
VS72	KEY 8X8X12L	\$10	N/A	N/A	N/A
20778-5	LOWER VARI-DISC DRIVE SUB-ASSY	\$657	N/A	N/A	N/A
VS46	OBS. SEE 33VS0046C	\$68	N/A	N/A	N/A
VS89	PLATE - HI-LOW DETENT PLATE	\$25	N/A	N/A	N/A
VS62	PULLEY - TIMING BELT PULLEY	\$88	N/A	N/A	N/A
20697-4	PULLEY PINION SUB-ASSY (4VK-A4)	\$149	N/A	N/A	N/A
K-B93	RING - OVERLOAD CLUTCH RING(same as FB93)	\$25	N/A	N/A	REPLACES FB93
K-B92	see 20779-3	\$49	N/A	N/A	N/A
VS42	SEE 24564	\$32	N/A	N/A	ORDER ASSY 24564. VS42 is part of this assembly.
VS43-1	SEE 33VS0046C	\$98	N/A	N/A	N/A
VS52	SHAFT - BRAKE LOCK SHAFT	\$10	N/A	N/A	N/A
VS87	SHAFT - HI-LOW GEAR SHAFT	\$16	N/A	N/A	N/A
VS25	SHAFT - SPEED CHANGE SHAFT	\$25	N/A	N/A	N/A
VS70	SHAFT - TIMING PULLEY CLUTCH	\$222	N/A	N/A	N/A
VS75	SLEEVE - BEARING SLIDING HOUSING	\$38	N/A	N/A	N/A

VS76	SNAP RING	\$10	N/A	N/A	N/A
VS97	SNAP RING	\$10	N/A	N/A	N/A
VS80	SNAP RING	\$10	N/A	N/A	N/A
22604	SPACER - Use w/orig drawbar - 22605 only	\$10	N/A	N/A	
27007	SPACER-DRAWBAR	\$10	N/A	N/A	INCLUDED WITH 26987 DRAWBAR
20819	SPINDLE MOTOR-K2-K3-KI-3HP-GREEN	\$1,383	N/A	N/A	N/A
VS8	SPRING FOR VARIDISC MOTOR SHAFT	\$25	N/A	N/A	N/A
24679	UPPER HEAD ASSY-K2/K3/KE	\$4,065	24679R	\$2,903	N/A
VS44	VARIDISC - ADJ-DRIVEN VARIDISC W/KEY	\$257	N/A	N/A	N/A
VS2	VARIDISC - STATIONARY	\$257	N/A	N/A	Recommend replacing entire spindle motor, replaces FVS2
VS45	VARIDISC - STATIONARY DRIVEN DISC	\$257	N/A	N/A	N/A
24054	VARIDISC-ADJ MOTOR VARIDISC ASSY(W/KEY)	\$320	N/A	N/A	CONSIST OF VS5,VS6, AND VS6-1, REPLACES 23953
VS115	WASHER - EXTERNAL TOOTH WASHER 40(AW-08)	\$10	N/A	N/A	N/A
VS108	WASHER-DRAWBAR-R8	\$10	N/A	N/A	N/A
<b>Head Parts</b>					
<b>Lower Head</b>					
20838	BEARING-ANG CT-U/SET(2)-7207P4	\$512	N/A	N/A	N/A
23970	BEARING-BB SET 6908ZZ OR VV (VS77 X 2)	\$149	N/A	N/A	REPLACES VS77, USED ON 20778-2
K-B178	CLOCK SPRING - K2/K3	\$76	N/A	N/A	CLOCK SPRING ONLY - NO HOUSING
24051	CLOCK SPRING ASSY-K2/K3	\$149	N/A	N/A	SPRING & COVER
20779-5	FEED REVERSE CLUTCH SUB-ASSY (3VK-B5)	\$179	N/A	N/A	N/A
20832	FEED TRIP ASSY-K2/K3	\$149	N/A	N/A	K-B102, K-B103, K-B104, K-B105, KB106, K-B117, K-B118, K-B119, K-B120, K-B121
K-B08	GEAR - FEED DRIVEWORM GEAR	\$32	N/A	N/A	REPLACES FB8
K-B186	GEAR - WORM GEAR	\$25	N/A	N/A	REPLACES FB186
VS81	LOCK NUT	\$8	N/A	N/A	N/A
20847	MICRO SCREW, MICRO-STOP NUT & MICROMETER	\$149	N/A	N/A	N/A
K-B133	NOSE PIECE	\$54	N/A	N/A	N/A
K-B163	OBSOLETE-SEE 27350	\$32	N/A	N/A	N/A
20779-4	OVERLOAD CLUTCH TRIP SUB-ASSY (3VK-B4)	\$162	N/A	N/A	N/A
20779-3	PINION - QUILL PINION SUB-ASSY (3VK-B3)	\$149	N/A	N/A	N/A
K-B142	QUILL	\$512	N/A	N/A	N/A
20850	QUILL FEED HANDLE ASSY (K2/K3/K4)	\$149	N/A	N/A	QUILL HANDLE
20845	QUILL LOCK HANDLE ASSY - K2/3	\$38	N/A	N/A	N/A
K-B128	QUILL SKIRT	\$23	N/A	N/A	N/A
K-B189	SHAFT - ADJ WORM SHAFT	\$38	N/A	N/A	N/A
K-B166	SHAFT - QUILL PINION SHAFT (W/K-B168)	\$54	N/A	N/A	N/A
20779-1	WORM GEAR CRADLE SUB ASSY	\$202	N/A	N/A	N/A
20817	SPACER-BEARING	\$75	N/A	N/A	N/A
20836	SPINDLE ASSY W/NOSE PIECE (K2/K3) R8	\$2,035	20836R	\$1,237	N/A
K-B127	SPINDLE R8	\$636	N/A	N/A	N/A
K-B155	T-BOLT	\$38	N/A	N/A	ORDER QTY 4
24052	TRIP HANDLE ASSEMBLY	\$38	N/A	N/A	INCLUDES PLASTIC BALL

<b>Drive Train X-</b>		<b>Drawing 20255-2</b>				
<b>Axis</b>						
15622	BACK COVER	\$10	N/A	N/A	N/A	
15612	BEARING HOUSING ASSY - X AXIS left side	\$98	N/A	N/A		
23930	BEARING SET (2) ANGULAR CONTACT 7204 BEC	\$222	N/A	N/A	Set of 2 for X axis	
22008	BEARING-204KTT	\$91	N/A	N/A	Used on right side of the table.	
400-5M-15	BELT - TIMING 5MM POWERGRIP	\$101	N/A	N/A	Z AXIS	
15621	BRACKET - X DRIVE HOUSING	\$185	N/A	N/A	X AXIS	
20623	BRACKET-SPORT 40 DEGR-X AXIS	\$185	N/A	N/A	N/A	
22007	END CAP - X AXIS right side (FC006)	\$149	N/A	N/A	N/A	
16350	FERRULE-SPROCKET	\$10	N/A	N/A	N/A	
25729	HANDLE REPLACEMENT KIT, FOLD AWAY	\$113	N/A	N/A	REPLACES 30922	
15616	HANDWHEEL ASSY (X & Y AXIS)	\$259	N/A	N/A	X & Y AXIS	
20296	MOTOR ASSY-4020	\$1,383	20296R	\$1,127	X, Y and Z Motor	
24489	MOTOR W/OUT SERVO - 4020-20296	\$836	24489R	\$764	PART OF 20296 Y-AXIS	
16452	NUT CLAMP Z-AXIS	\$32	N/A	N/A	X & Y AXIS	
16983-1	PULLEY-SOLID 44 TEETH -5M HTD	\$149	N/A	N/A	X & Z AXIS	
15626	SEAL	\$10	N/A	N/A	USED WITH 15980 AND 15612	
24101-4	SERVO DRIVER SERIES 3-4020	\$801	24101-4R	\$693	X & Y AXIS, replaces 20201 and 20201R	
<b>Drive Train Y-</b>		<b>Drawing 23083-3</b>				
<b>Axis</b>						
15609-12	BALLSCREW MX 12" ENGLISH	\$1,020	N/A	N/A	K2, Y AXIS	
15609-16	BALLSCREW MX 16" ENGLISH	\$1,020	N/A	N/A	N/A	
15980	BEARING HOUSING ASSY-LARGE FLANGE-Y AXIS	\$98	N/A	N/A	Y AXIS	
890-5M-15	BELT - TIMING 5MM POWERGRIP (Y AXIS)	\$75	N/A	N/A	Y-AXIS	
20621	COVER-SPORT 40 DEGREE	\$38	N/A	N/A	N/A	
16350	FERRULE-SPROCKET	\$10	N/A	N/A	N/A	
25729	HANDLE REPLACEMENT KIT, FOLD AWAY	\$113	N/A	N/A	REPLACES 30922	
15616	HANDWHEEL ASSY (X & Y AXIS)	\$259	N/A	N/A	X & Y AXIS	
20296	MOTOR ASSY-4020	\$1,383	20296R	\$1,127	X, Y and Z Motor	
24489	MOTOR W/OUT SERVO - 4020-20296	\$836	24489R	\$764	PART OF 20296 Y-AXIS	
16452	NUT CLAMP Z-AXIS	\$32	N/A	N/A	X & Y AXIS	
15626	SEAL	\$10	N/A	N/A	USED WITH 15980 AND 15612	
24101-4	SERVO DRIVER SERIES 3-4020	\$801	24101-4R	\$693	X & Y AXIS, replaces 20201 and 20201R	
23141	SHEET METAL-PT4-COOLANT MOTOR COVER ASSY	\$54	N/A	N/A	REPLACES 20675	
<b>Drive Train Z-</b>		<b>Drawing 25000-XXX</b>				
<b>Axis</b>						
22585	ADAPTER DB15 TO COMP	\$75	N/A	N/A	N/A	
24250	BALLSCREW MODULE Z-AXIS	\$1,743	24250R	\$1,382	N/A	
16224	BALLSCREW Z-AXIS - (3RD AXIS	\$801	N/A	N/A	N/A	
20372	BEARING-ANGULAR CONTACT 7202 BECBP	\$112	N/A	N/A	Z AXIS	
710-5M-15	BELT - TIMING	\$75	N/A	N/A	Z-AXIS	
21774	HANDWHEEL - ELECTRONIC Z-AXIS	\$729	21774R	\$576	Z-AXIS	

24251	LIMIT SWITCH ASSY	\$309	N/A	N/A	N/A
20296	MOTOR ASSY-4020	\$1,383	20296R	\$1,127	X, Y and Z Motor
24489	MOTOR W/OUT SERVO - 4020-20296	\$836	24489R	\$764	PART OF 20296 Y-AXIS
24101-4	SERVO DRIVER SERIES 3-4020	\$801	24101-4R	\$693	X & Y AXIS, replaces 20201 and 20201R
<b>Electric Box Drawing 24060-1</b>					
25105-K2/K3SX	AC DRIVE PROGRAMMED-3 HP W/CABLE V1000	\$1,111	N/A	N/A	N/A
23436	CONTACTOR-4 POLE	\$193	N/A	N/A	N/A
20676	ELECTRICAL ENCLOSURE	\$730	20676R	\$437	USED FOR 220/440 VOLTS
24999-1	ENCLOSURE ASSY-CABLE BREAKOUT	\$729	24999-1R	\$437	REPLACES 23050-1
24999	ENCLOSURE ASSY-SMX-CABLE BREAKOUT	\$729	24999R	\$437	REPLACES 23050
24060-1	ENCLOSURE ASSY-SPINDLE CONTROL-3 HP	\$1,937	N/A	N/A	N/A
24063-3	PCB ASSY-SMX-SPINDLE CONTROL	\$512	24063-3R	\$437	N/A
23438-3	RELAY-OVERLOAD- CONV- 3.2-16 A	\$159	N/A	N/A	REPLACES 23438-1, RATED 12-30A
23435	RELAY-POWER-100-120VAC-DPDT (latch in gr	\$27	N/A	N/A	N/A
27246	REPLACEMENT KIT-DISCONNECT SWITCH	\$163	N/A	N/A	N/A
22890-500-120	RESISTOR-BRAKING-500 WATT-120 OHM	\$112	N/A	N/A	N/A
<b>Options</b>					
20924	HI-LOW SHIFT CLUTCH SUB-ASSY (4VK-A2)	N/A	N/A	N/A	K2/K3
22581-1	AIR GUN ASSY ONLY -TORQUE RITE POWER DRA	\$801	22581-1R	\$474	N/A
22551	CABLE ASSY ASSY-PT4-LIMIT SWITCH	\$75	N/A	N/A	N/A
22607	FILTER/REGULATOR-PT4	\$126	N/A	N/A	N/A
24475	GEAR-PLASTIC-POWER KNEE FEED	\$49	N/A	N/A	N/A
20870	HALOGEN LIGHT BULB 12V ( MILLS)	\$16	N/A	N/A	N/A
21946	HANDWHEEL - ELECTRONIC X & Y AXIS	\$729	21946R	\$576	X & Y AXIS
20667	LAMP - WORK LAMP KIT	\$382	N/A	N/A	N/A
22551-2	LIMIT SWITCH ASSY-LEFT	\$222	N/A	N/A	Y AXIS
22551-1	LIMIT SWITCH ASSY-RIGHT	\$222	N/A	N/A	X AND Z AXIS
21157-1	LUBRICATION PUMP ASSY 110V	\$512	21157-1R	\$419	N/A
31653	OIL SHIELD KIT-KMILL	\$85	N/A	N/A	N/A
22581-5	OILER FOR POWER DRAWBAR (replaces 22773)	\$57	N/A	N/A	REPLACES 22773
23265	PUMP COOLANT 1/8 HP	\$437	N/A	N/A	N/A
20142	RSG HOLDER, KIT	\$38	N/A	N/A	N/A
25701	SHIELD-SPLASH-3 PACK	\$117	N/A	N/A	N/A
25701	SHIELD-SPLASH-3 PACK	\$117	N/A	N/A	N/A
TR-220	SOCKET-TORQUE RITE AIR GUN	\$77	N/A	N/A	N/A
22772	SOLENOID ASSY-AIR REGULATOR	\$134	N/A	N/A	N/A
SHIELD/BASE	SPLASH SHIELD AND MAGNETIC BASE	\$95	N/A	N/A	N/A
16117	SWITCH - LIMIT SWITCH KIT	\$309	N/A	N/A	ONE SWITCH ONLY
P-TRAK RSG	TRAK REMOTE STOP/GO SWITCH	\$237	N/A	N/A	SEE 20142 FOR HOLDER
20599-3	SWITCH ASSY-FDW/RVS-HIGH VOLTAGE (600)	\$236	20599-3R	\$179	FOR MACHINES WITHOUT SPINDLE CONTROL, CABLE INCLUDED
20599-2	SWITCH ASSY-K2/K3/K4 FOR/REV	\$236	20599-2R	\$179	CABLE INCLUDED
22581-2	SWITCH-CONTROL HEAD-TORQUE RITE	\$366	N/A	N/A	N/A
23440-220	TRANSFORMER OPTION PT3	\$2,035	N/A	N/A	PT4-SM TRANSFORMER OPTION

23440-440	TRANSFORMER OPTION PT3	\$2,035	N/A	N/A	PT4-SM TRANSFORMER OPTION
<b>Manuals</b>		<b>CD</b>	<b>Print</b>		
24319	STOCK MANUAL-SMX-K2, K3, K4 & RETROFIT,	\$50	\$77		N/A
24493	STOCK MANUAL-TRAK KNEE MILL &PT SMX CNC	\$50	\$77		N/A