

Part Number	K4SX with 2 Axis Mach S/N Includes CL, K4SX-3 Mach S/N Includes CP	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	
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
9001	HAND OILER	\$120	N/A	N/A	N/A
20852	HANDLE - TABLE LOCK HANDLE	\$38	N/A	N/A	N/A
20854	KNEE CRNK HDLE ASSY(K2/K3)	\$75	N/A	N/A	N/A
27284	PAINT KIT - TOUCH UP	\$98	N/A	N/A	N/A
20855	SEE 20854	\$75	N/A	N/A	N/A
20871	WAY COVER BACK KNEE FLAT K3 & K4	\$83	N/A	N/A	K3, K4 MILL
20872	WAY COVER FRONT KNEE ACCORD K3 & K4	\$83	N/A	N/A	K3,K4 MILL
25404	WAY WIPER KIT-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	USB, for S/N 122xx and later, for s/n 121 check P/N on back of pendant
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>					
20877	HEAD ASSY-SK4-(GREEN)	\$7,985	20877R	\$5,081	N/A
20698	K4, LOWER HEAD HOUSING ASSY (GREEN) 40 T	N/A	20698R	\$4,190	GREEN – K4 TYPE HEAD
27347-2	REBUILD KIT-UPPER HEAD-DPM3/DPM5/K4	\$1,327	N/A	N/A	N/A
20820-1	SPINDLE MOTOR - 5 HP - WHITE	\$1,383	N/A	N/A	N/A
24163	SPINDLE MTR ASSY-5 HP-INVTRER DUTY-WHITE	\$1,383	N/A	N/A	FOR SPINDLE CONTROL OPTION, 220V MOTOR FAN - 24198
23968	SWITCH ASSY-PT5-LIMIT HI/LOW	\$317	N/A	N/A	USED W/SPINDLE CONTROL OPTION
24688	UPPER HEAD ASSY-K4-40 TAPER	\$4,357	24688R	\$2,905	N/A
24633-4	UPPER HEAD ASSY-SPINDLE CONTROL-5 HP-GRE	\$3,606	N/A	N/A	N/A
<b>Head Parts Upper Head</b>					
FVS15	BEARING	\$98	N/A	N/A	SOME UNITS USE 6909ZZ
FVS43	BEARING	\$98	N/A	N/A	ORDER ASSY 24599

AK048	BEARING - BALL BEARING	\$98	N/A	N/A	RECOMMEND AK049L ALSO
23943	BEARING - BALL BEARING (SET OF 2) (6910Z)	\$126	N/A	N/A	SET OF 2 (6910ZZ)
24599	BEARING HOUSING ASS'Y-K4 see also 24603	\$126	N/A	N/A	INCLUDES FVS42, FVS43
23954	BEARING-SET OF 2 EA (6203ZZ)	\$33	N/A	N/A	(2)FVS65 (OLD P/N AK118)
FVS63	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
FVS59	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
VS6	BUSHING	\$72	N/A	N/A	REPLACES FVS6
FVS46	CAP - BEARING CAP sell w/ AK048	\$68	N/A	N/A	MUST SELL MATCHING SET OF FVS46/AK048
FVS13	CAP - TOP BEARING CAP	\$38	N/A	N/A	N/A
24964	CHAIN & STUD ASS'Y - SPEED CHANGE - 40 T	\$39	N/A	N/A	FVS30, FVS32, FVS33, FVS34, FVS35
24374	FAN SPINDLE MOTOR - 24163 / 24162	\$192	N/A	N/A	FOR SPINDLE CONTROL OPTION MOTOR, WAS 24198
FVS22	GEAR - SPEED CHANGE GEAR	\$25	N/A	N/A	N/A
FVS74	GEAR - SPINDLE BULL GEAR	\$292	N/A	N/A	N/A
FVS21	GEAR - WORM GEAR	\$25	N/A	N/A	N/A
24083	HI/LOW SHAFT ASSEMBLY	\$62	N/A	N/A	N/A
20697-2	HI-LOW SHIFT CLUTCH SUB-ASSY (4VK-A2)	\$599	N/A	N/A	N/A
20697-3	HI-LOW SHIFT SUB-ASSY (4VK-A3)	\$149	N/A	N/A	N/A
FVS75	HOUSING - BEARING SLIDING HOUSING	\$112	N/A	N/A	N/A
FVS73	HUB - SPLINE GEAR HUB	\$112	N/A	N/A	N/A
VS3-1	KEY 6x6x44.5L	\$10	N/A	N/A	N/A
20697-5	LOWER VARI-DISC DRIVE ASSY	\$746	N/A	N/A	N/A
FVS109	MANUAL-DRAWBAR-K4,DPM3/DPM5 NMTB	\$89	N/A	N/A	N/A
20820	OBSOLETE USE 20820-1	\$1,382	N/A	N/A	N/A
FVS89	PLATE - HI-LOW DETENT PLATE	\$25	N/A	N/A	N/A
FVS62	PULLEY - TIMING BELT PULLEY	\$86	N/A	N/A	N/A
20697-4	PULLEY PINION SUB-ASSY (4VK-A4)	\$149	N/A	N/A	N/A
23967	PULLEY-SPINDLE-NT 40	\$98	N/A	N/A	W/SPINDLE CONTROL OPTION
K-B93	RING - OVERLOAD CLUTCH RING(same as FB93)	\$25	N/A	N/A	REPLACES FB93
FVS97	SEE AK053L	\$10	N/A	N/A	N/A
FVS8	SEE VS8	\$16	N/A	N/A	N/A
FVS87	SELL 20697-3	\$16	N/A	N/A	N/A
FVS52	SHAFT - BRAKE LOCK SHAFT	\$10	N/A	N/A	SEE 24055 – BRAKE ASSY
FVS25	SHAFT - SPEED CHANGE SHAFT	\$25	N/A	N/A	N/A
FVS70	SHAFT - TIMING PULLEY CLUTCH	\$222	N/A	N/A	N/A
FVS76	SNAP RING	\$10	N/A	N/A	N/A
FVS80	SNAP RING	\$10	N/A	N/A	N/A
20818	SPACER-BEARING	\$75	N/A	N/A	REPLACES 16529, CONSIST OF AK110L, AK111L
FVS42	SPINDLE PULLEY BEAR HOUSE (ORDER 24599)	\$32	N/A	N/A	ORDER ASSY. 24599
24099	TRIP HANDLE ASSY (FB104&FB105)	\$45	N/A	N/A	INCLUDES PLASTIC BALL
FVS44	VARIDISC - ADJUSTABLE DRIVEN DISC(NOTES)	\$257	N/A	N/A	KEY INCLUDED
VS2	VARIDISC - STATIONARY	\$257	N/A	N/A	Recommend replacing entire spindle motor, replaces FVS2

FVS45	VARIDISC - STATIONARY DRIVEN	\$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
FVS115	WASHER - EXTERNAL TOOTH WASHER (AW-10)	\$10	N/A	N/A	N/A
<b>Head Parts Lower Head</b>					
20839	BEARING-ANG CT U/SET (2)-7010 P4	\$729	N/A	N/A	
26392	BEARING-DEEP GROOVE	\$38	N/A	N/A	REPLACES A112H, SEE ASSY 16502
FB178	CLOCK SPRING	\$75	N/A	N/A	CLOCK SPRING ONLY – NO HOUSING
24095	CLOCK SPRING ASSEMBLY (SPRING & COVER)	\$149	N/A	N/A	SPRING & COVER
21442	FEED CRADLE ASSY K4	\$222	N/A	N/A	ALSO IN MANUAL AS 20698-1
20698-5	FEED REVERSE CLUTCH ASSY	\$179	N/A	N/A	N/A
20833	FEED TRIP ASSY-K4	\$149	N/A	N/A	FB103, FB104, FB105, FB106, FB117, FB118, FB119, FB120, FB121
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
FVS72	KEY	\$10	N/A	N/A	N/A
FVS81	LOCK WASHER	\$8	N/A	N/A	N/A
20847	MICRO SCREW, MICRO-STOP NUT & MICROMETER	\$149	N/A	N/A	N/A
FB133	NOSE PIECE	\$54	N/A	N/A	N/A
FB163	OBSOLETE-SEE 27349	\$32	N/A	N/A	N/A
20698-4	OVERLOAD CLUTCH TRIP ASSY (4VK-H4)	\$162	N/A	N/A	N/A
FB142	QUILL	\$512	N/A	N/A	MUST MEASURE QUILL IN 3 PLACES
20850	QUILL FEED HANDLE ASSY (K2/K3/K4)	\$149	N/A	N/A	QUILL HANDLE
20846	QUILL LOCK HANDLE ASSY - K4	\$38	N/A	N/A	N/A
20698-3	QUILL PINION SHAFT ASSY-40 TAPER	\$149	N/A	N/A	N/A
K-B92	see 20779-3	\$49	N/A	N/A	N/A
FB189	SHAFT - ADJ WORM	\$38	N/A	N/A	N/A
FB166	SHAFT - QUILL PINION SHAFT	Sell as Assembly 20698-3	N/A	N/A	N/A
20844	SLEEVE - QUILL LOCK SLEEVE ASSY	\$49	N/A	N/A	N/A
20836-1	SPINDLE ASSY (K4) 40 TAPER	\$2,179	20836-1R	\$1,383	N/A
<b>Drive Train X Axis Drawing 20255-2</b>					
15622	BACK COVER	\$10	N/A	N/A	N/A
15608-48	BALLSCREW MX 48" ENGLISH	\$1,164	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 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

15624	FRONT COVER	\$38	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
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
<b>Drive Train Y- Axis Drawing 23083-3</b>					
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
23930	BEARING SET (2) ANGULAR CONTACT 7204 BEC	\$222	N/A	N/A	SET OF 2 FOR X AXIS
890-5M-15	BELT - TIMING 5MM POWERGRIP (Y AXIS)	\$75	N/A	N/A	Y-AXIS
20621	COVER-SPORT 40 DEGREE	CALL FOR PRICING	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
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
23141	SHEET METAL-PT4-COOLANT MOTOR COVER ASSY	\$54	N/A	N/A	REPLACES 20675
<b>Drive Train Z- Axis Drawing 25000-8</b>					
22585	ADAPTER DB15 TO COMP	\$75	N/A	N/A	DP15 TO AMP
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
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
<b>Electric Box Drawing 20676/24999-1/24060-2</b>					
25106-K4SX	AC DRIVE PROGRAMMED 5 HP W/CABLE V1000	\$1,546	N/A	N/A	REPLACES - 22128-K4SX, R UNIT NOT AVAILABLE
23050-1	CABINET CABLE BREAKOUT W/AUX FUNCTION	N/A	23050-1R	\$437	OLD DESIGN - SEE 24999-1
23050	CABINET-CABLE BREAKOUT - SEE ALSO 24999	N/A	23050R	\$437	ONLY R UNIT AVAILABLE
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
24060-2	ENCLOSURE ASSY-SPINDLE CONTROL-5 HP	\$1,937	24060-2R	\$1,679	N/A
22595	OBSOLETE USE 22595-1	\$25	N/A	N/A	N/A
24063-3	PCB ASSY-SMX-SPINDLE CONTROL	\$512	24063-3R	\$437	N/A

22961	RELAY-POWER 115V DPST	\$38	N/A	N/A	N/A
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
22890-500-64	RESISTOR-BRAKING-500 WATT-64 OHM	\$112	N/A	N/A	N/A
<b>Options</b>					
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
22641-CAT	DRAWBAR-SX5-K4-CAT	\$176	N/A	N/A	USES SPACER 23888
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
21774	HANDWHEEL - ELECTRONIC Z-AXIS	\$729	21774R	\$576	Z-AXIS
20667	LAMP - WORK LAMP KIT	\$382	N/A	N/A	N/A
24251	LIMIT SWITCH ASSY	\$309	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
22581-4	NOSEPIECE-TORQUE RITE SPINDLE, GOLD	\$107	N/A	N/A	GOLD COLOR PIECE
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
25701	SHIELD-SPLASH-3 PACK	\$117	N/A	N/A	N/A
TR-220	SOCKET-TORQUE RITE AIR GUN	\$77	N/A	N/A	X AXIS
22772	SOLENOID ASSY-AIR REGULATOR	\$134	N/A	N/A	X AXIS
23888	SPACER-SX5-K4-DRAWBAR	\$10	N/A	N/A	X AXIS
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	SWITCH - 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