

Part Number	K2S WITH 2 AXIS Machine S/N Includes AJ K2S WITH 3 AXIS Machine S/N Includes AN K3S WITH 2 AXIS Machine S/N Includes AK K3S WITH 3 AXIS Machine S/N Includes AP	2018 List Price	Exchange Part#	2018 Exchange Price	Notes
21824-1-10PK	10 PK -FUSE-3AG-TIME DELAY-.25x1.25L-1A	\$15	N/A	N/A	N/A
21824-5-10PK	10 PK-FUSE-3AG-TIME DELAY-.25x1.25L-5A	\$15	N/A	N/A	N/A
21824-8-10PK	10 PK-FUSE-3AG-TIME DELAY-.25x1.25L-8A	\$15	N/A	N/A	N/A
C19	ADAPTER LOCKING BOLT (8" BOLT)	\$7	N/A	N/A	N/A
22581-1	AIR GUN ASSY ONLY -TORQUE RITE POWER DRA	\$762	22581-1R	\$451	N/A
16206	BALLSCREW MODULE Z-AXIS	N/A	16206R	\$1,247	N/A
15609-12	BALLSCREW MX 12" ENGLISH	\$971	N/A	N/A	K2, Y AXIS
15609-16	BALLSCREW MX 16" ENGLISH	\$971	N/A	N/A	N/A
15608-48	BALLSCREW MX 48" ENGLISH	\$1,108	N/A	N/A	N/A
M5.	BASE - MOUNTING W/HWDR	\$77	N/A	N/A	N/A
23930	BEARING SET (2) ANGULAR CONTACT 7204 BEC	\$211	N/A	N/A	SET OF 2 FOR X AXIS
22008	BEARING-204KTT	\$86	N/A	N/A	USED ON RIGHT SIDE OF TABLE
400-5M-15	BELT - TIMING 5MM POWERGRIP	\$71	N/A	N/A	X AXIS
890-5M-15	BELT - TIMING 5MM POWERGRIP (Y AXIS)	\$71	N/A	N/A	Y-AXIS
740-5M-15	BELT TIMING	\$71	N/A	N/A	Z-AXIS
25600	BRUSH KIT-AO SMITH AND MAGNATEK MOTORS	\$106	N/A	N/A	Approx ¼ inch thick brush
25300	BRUSH KIT-HATHAWAY/EMOTEK/ MOTORS	\$106	N/A	N/A	Approx 1/8 inch thick brush x .370"
25610	BRUSH KIT-SPECIALTY MOTORS	\$106	N/A	N/A	N/A
27344-1	BRUSHES 4 PACK MOTOR-BRUSHES-TELCO-4020	\$106	N/A	N/A	N/A
23050	CABINET-CABLE BREAKOUT – SEE ALSO 24999	N/A	23050R	\$416	ONLY R UNIT AVAILABLE
22555-15	CABLE ASSY-LOGIC - 37 pin EB TO PENDANT	\$51	N/A	N/A	N/A
22608	CABLE ASSY-POWER 10 FT	\$15	N/A	N/A	N/A
20873	CHIP GUARD SET OF 3 - K2/K3	\$204	N/A	N/A	C59, C60, C61
15346-3PK	CHIP SCRAPER-MODEL C TRAK SENSOR-3 PACK	\$34	N/A	N/A	N/A
HEDS-5100-A-06	CODEWHEEL - 500 CPR.	\$70	N/A	N/A	SEE 16179 FOR CODE WHEEL AND ENCODER
22442-1	COMPUTER MODULE-PT4-S SERIES	\$4,839	22442-1R	\$936	N/A
23436	CONTACTOR-4 POLE	\$183	N/A	N/A	N/A
20676	ELECTRICAL ENCLOSURE	\$695	20676R	\$416	USED FOR 220/440 VOLTS
24999-1	ENCLOSURE ASSY-CABLE BREAKOUT	\$694	24999-1R	\$416	REPLACES 23050-1
24999	ENCLOSURE ASSY-SMX-CABLE BREAKOUT	\$694	24999R	\$416	REPLACES 23050
23394	FAN-PT4	\$31	N/A	N/A	N/A
22607	FILTER/REGULATOR-PT4	\$120	N/A	N/A	N/A
23380	FLASH DISK-REPLACEMENT KIT-SBC556	\$141	N/A	N/A	N/A
23525	FLASH DISK-REPLACEMENT KIT-SBC558	\$141	N/A	N/A	N/A
16179	FRU - Z-AXIS ENCODER AND READER HD.	\$176	N/A	N/A	USES .035 ALLEN WRENCH
24475	GEAR-PLASTIC-POWER KNEE FEED	\$46	N/A	N/A	N/A
20870	HALOGEN LIGHT BULB 12V (MILLS)	\$15	N/A	N/A	N/A
9001	HAND OILER	\$114	N/A	N/A	N/A
25729	HANDLE REPLACEMENT KIT, FOLD AWAY	\$71	N/A	N/A	REPLACES 30922
15616	HANDWHEEL ASSY (X & Y AXIS)	\$246	N/A	N/A	X & Y AXIS

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TRAK - ProtoTRAK - CNC

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20813	HEAD ASSY-K2/K3/KE-R8 GREEN	\$6,913	20813R	\$4,149	N/A
20667	LAMP - WORK LAMP KIT	\$363	N/A	N/A	N/A
C114	LEVELING PAD-K2/K3	\$27	N/A	N/A	N/A
C112	LEVELING SCREW & NUT-K2/K3	\$8	N/A	N/A	N/A
21157-1	LUBRICATION PUMP ASSY 110V	\$487	21157-1R	\$399	N/A
HEDS-9100-A-00	MODULE - ENCODER MODULE - OPTICAL INC. (\$70	N/A	N/A	SEE 16179 FOR CODE WHEEL AND ENCODER
20296	MOTOR ASSY-4020	\$1,317	20296R	\$1,073	X, Y and Z Motor
24489	MOTOR W/OUT SERVO - 4020-20296	\$796	24489R	\$727	PART OF 20296 Y-AXIS
22581-5	OILER FOR POWER DRAWBAR (replaces 22773)	\$54	N/A	N/A	REPLACES 22773
27284	PAINT KIT - TOUCH UP	\$93	N/A	N/A	N/A
22328-3	PENDANT - SM	OBSOLETE- See 22328-3R	22328-3R	\$1,700	N/A
24200-3	PENDANT SM W/O COMPUTER MODULE	\$3,356	24200-3R	\$867	N/A
23265	PUMP COOLANT 1/8 HP	\$416	N/A	N/A	N/A
23438-3	RELAY-OVERLOAD- CONV- 3.2-16 A	\$151	N/A	N/A	REPLACES 23438-1, RATED 12-30A
23435	RELAY-POWER-100-120VAC-DPDT (latch in gr	\$25	N/A	N/A	N/A
22595	RELAY-POWER-115V SPDT(see 22595-1)	\$23	N/A	N/A	N/A
20142	RSG HOLDER, KIT	\$36	N/A	N/A	N/A
24101-4	SERVO DRIVER SERIES 3-4020	\$762	24101-4R	\$660	X & Y AXIS, replaces 20201 and 20201R
25701	SHIELD-SPLASH-3 PACK	\$111	N/A	N/A	N/A
TR-220	SOCKET-TORQUE RITE AIR GUN	\$73	N/A	N/A	N/A
22772	SOLENOID ASSY-AIR REGULATOR	\$127	N/A	N/A	N/A
SHIELD/BASE	SPLASH SHIELD AND MAGNETIC BASE	\$90	N/A	N/A	N/A
16117	SWITCH - LIMIT SWITCH KIT	\$294	N/A	N/A	ONE SWITCH ONLY
P-TRAK RSG	SWITCH - REMOTE STOP/GO SWITCH	\$237	N/A	N/A	SEE 20142 FOR HOLDER
20599-2	SWITCH ASSY-K2/K3/K4 FOR/REV	\$224	20599-2R	\$170	CABLE INCLUDED
22581-2	SWITCH-CONTROL HEAD-TORQUE RITE	\$348	N/A	N/A	N/A
23440-220	TRANSFORMER OPTION PT3	\$1,938	N/A	N/A	PT4-SM TRANSFORMER OPTION
23440-440	TRANSFORMER OPTION PT3	\$1,938	N/A	N/A	PT4-SM TRANSFORMER OPTION
24679	UPPER HEAD ASSY-K2/K3/KE	\$3,871	24679R	\$2,764	N/A
20874	WAY COVER BACK KNEE FLAT K2	\$51	N/A	N/A	K2 MILL
20871	WAY COVER BACK KNEE FLAT K3 & K4	\$51	N/A	N/A	K3, K4 MILL
20875	WAY COVER FRONT KNEE ACCORD K2	\$51	N/A	N/A	K2MILL
20872	WAY COVER FRONT KNEE ACCORD K3 & K4	\$51	N/A	N/A	K3,K4 MILL
15347-PLIO	WIPER PAD C-SENSOR, 5 PACK & PLIOBOND	\$30	N/A	N/A	N/A
Head Parts					
VS5	ADJ MOTOR VARIDISC ASS (w/VS6-1 KEY)	\$244	N/A	N/A	N/A
VS43-1	BEARING - (6010VV) sell w/ VS46	\$93	N/A	N/A	MUST SELL MATCHING SET OF VS46/VS43-1

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23950	BEARING - ANGULAR CONTACT- SPINDLE	N/A	N/A	N/A	ORDER PART 20838
VS43	BEARING (6210VVMC) - SEE 24564	\$93	N/A	N/A	ORDER ASSY 24564
VS42	BEARING HOUSING - SEE 24564	\$30	N/A	N/A	ORDER ASSY 24564
24564	BEARING HOUSING ASSY-K2/K3	\$120	N/A	N/A	INCLUDES VS42, VS43
20838	BEARING-ANG CT-U/SET(2)-7207P4	\$487	N/A	N/A	N/A
23970	BEARING-BB SET 6908ZZ OR VV (VS77 X 2)	\$141	N/A	N/A	REPLACES VS77, USED ON 20778-2
VS15	BEARING-DEEP GROOVE-(6007VV)	\$93	N/A	N/A	CHECK IF 6007 OR 6908
K-B131	BEARING-DEEP GROOVE-6206ZZ	\$24	N/A	N/A	N/A
23954	BEARING-SET OF 2 EA (6203ZZ)	\$31	N/A	N/A	(2)FVS65 (OLD P/N AK118)
VS63	BELT - TIMING BELT	\$71	N/A	N/A	BACK GEAR TIMING BELT
VS4	BELT, SPINDLE DRIVE (875VC 38-28)	\$162	N/A	N/A	W/OUT SPINDLE CONTROL OPTION
VS59	BRAKE BLOCK (SET OF 2)	\$30	N/A	N/A	N/A
VS47	BRAKE SHOE	N/A	N/A	N/A	ORDER 24055 BRAKE SHOE ASSEMBLY
24055	BRAKE SHOE ASSY ALL K MILLS & DPM5	\$162	N/A	N/A	(2)VS47 (2)VS49 (4)VS122, (4)VS120
VS49	BRAKE SPRING -see also 24055	\$9	N/A	N/A	ORDER 2, SEE ALSO 24055
VS6	BUSHING	\$68	N/A	N/A	REPLACES FVS6
VS46	CAP - BRAKE BEARING sell w/ VS43-1	\$64	N/A	N/A	MUST SELL MATCHING SET OF VS46/VS43-1
VS13	CAP - TOP BEARING CAP	\$36	N/A	N/A	N/A
24975	CHAIN & STUD ASS'Y - SPEED CHANGE - R8	\$36	N/A	N/A	VS30, VS32, VS33, VS34, VS35
K-B178	CLOCK SPRING - K2/K3	\$72	N/A	N/A	CLOCK SPRING ONLY – NO HOUSING
24051	CLOCK SPRING ASSY-K2/K3(K-B177/K-B178)	\$141	N/A	N/A	SPRING & COVER
26987	DRAWBAR-K2/K3-R8 (INCLUDES SPACER)	\$148	N/A	N/A	N/A
VS109	MANUAL DRAWBAR-R8	\$71	N/A	N/A	N/A
20779-5	FEED REVERSE CLUTCH SUB-ASSY (3VK-B5)	\$170	N/A	N/A	N/A
20832	FEED TRIP ASSY-K2/K3	\$141	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	\$30	N/A	N/A	REPLACES FB8
K-B92	GEAR - OVERLOAD CLUTCH WORM GEAR	\$46	N/A	N/A	N/A
VS22	GEAR - SPEED CHANGER GEAR	\$23	N/A	N/A	N/A
K-B186	GEAR - WORM GEAR	\$23	N/A	N/A	REPLACES FB186
VS21	GEAR - WORM GEAR	\$23	N/A	N/A	N/A
VS74	GEAR-SPINDLE BULL GEAR ASSY(see 20778-2)	\$278	N/A	N/A	N/A
20852	HANDLE - TABLE LOCK HANDLE	\$36	N/A	N/A	N/A
20877	HEAD ASSY-SK4-(GREEN)	\$7,604	20877R	\$4,839	N/A
24083	HI/LOW SHAFT ASSEMBLY(VS94 & VS57)	\$59	N/A	N/A	N/A
20778-2	HI-LOW SHIFT CLUTCH SUB-ASSY (3VK-A2)	\$570	N/A	N/A	N/A
20778-3	HI-LOW SHIFT SUB-ASSY (3VK-A3)	\$141	N/A	N/A	N/A
VS73	HUB - SPLINE GEAR HUB	\$106	N/A	N/A	N/A
VS3-1	KEY 6x6x44.5L	\$9	N/A	N/A	N/A
VS72	KEY 8X8X12L	\$9	N/A	N/A	N/A

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20854	KNEE CRNK HDLE ASSY(K2/K3)	\$71	N/A	N/A	N/A
K-B163	OBSOLETE-SEE 27350	\$30	N/A	N/A	N/A
VS81	LOCK WASHER	\$7	N/A	N/A	N/A
20778-5	LOWER VARI-DISC DRIVE SUB-ASSY	\$625	N/A	N/A	N/A
20847	MICRO SCREW, MICRO-STOP NUT & MICROMETER	\$141	N/A	N/A	N/A
K-B133	NOSE PIECE	\$51	N/A	N/A	N/A
20779-4	OVERLOAD CLUTCH TRIP SUB-ASSY (3VK-B4)	\$154	N/A	N/A	N/A
20779-3	PINION - QUILL PINION SUB-ASSY (3VK-B3)	\$141	N/A	N/A	N/A
VS89	PLATE - HI-LOW DETENT PLATE	\$23	N/A	N/A	N/A
VS62	PULLEY - TIMING BELT PULLEY	\$83	N/A	N/A	N/A
20697-4	PULLEY PINION SUB-ASSY (4VK-A4)	\$141	N/A	N/A	N/A
K-B142	QUILL	\$487	N/A	N/A	N/A
20850	QUILL FEED HANDLE ASSY (K2/K3/K4)	\$141	N/A	N/A	QUILL HANDLE
20845	QUILL LOCK HANDLE ASSY - K2/3	\$36	N/A	N/A	N/A
K-B128	QUILL SKIRT	\$21	N/A	N/A	N/A
27347-1	REBUILD KIT-UPPER HEAD-K2/K3/DPM2	\$1,260	N/A	N/A	N/A
K-B93	RING - OVERLOAD CLUTCH RING(same as FB93)	\$23	N/A	N/A	REPLACES FB93
K-B189	SHAFT - ADJ WORM SHAFT	\$36	N/A	N/A	N/A
VS52	SHAFT - BRAKE LOCK SHAFT	\$9	N/A	N/A	N/A
VS87	SHAFT - HI-LOW GEAR SHAFT	\$15	N/A	N/A	N/A
K-B166	SHAFT - QUILL PINION SHAFT (W/K-B168)	\$51	N/A	N/A	N/A
VS25	SHAFT - SPEED CHANGE SHAFT	\$23	N/A	N/A	N/A
VS70	SHAFT - TIMING PULLEY CLUTCH	\$211	N/A	N/A	N/A
20779-1	SK3-3VK-B1-WORM GEAR CRADLE SUB ASSY	\$192	N/A	N/A	N/A
VS75	SLEEVE - BEARING SLIDING HOUSING	\$36	N/A	N/A	N/A
VS76	SNAP RING	\$9	N/A	N/A	N/A
VS97	SNAP RING	\$9	N/A	N/A	N/A
VS80	SNAP RING	\$9	N/A	N/A	N/A
22604	SPACER - Use w/orig drawbar - 22605 only	\$9	N/A	N/A	
20817	SPACER-BEARING	\$71	N/A	N/A	N/A
27007	SPACER-DRAWBAR	\$9	N/A	N/A	INCLUDED WITH 26987 DRAWBAR
23598	SPACER-DRAWBAR	\$9	N/A	N/A	ON 3 AXIS SM CNC USE 23598 SPACER
20836	SPINDLE ASSY W/NOSE PIECE (K2/K3) R8	\$1,938	20836R	\$1,178	N/A
20819	SPINDLE MOTOR-K2-K3-KI-3HP-GREEN	\$1,317	N/A	N/A	N/A
K-B127	SPINDLE R8	\$605	N/A	N/A	N/A
VS8	SPRING FOR VARIDISC MOTOR SHAFT	\$23	N/A	N/A	N/A
K-B155	T-BOLT	\$36	N/A	N/A	ORDER QTY 4
24052	TRIP HANDLE ASSEMBLY (INCL PLASTIC BALL)	\$36	N/A	N/A	INCLUDES PLASTIC BALL
VS44	VARIDISC - ADJ-DRIVEN VARIDISC W/KEY	\$244	N/A	N/A	N/A

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VS2	VARIDISC - STATIONARY (NOTES)	\$244	N/A	N/A	Recommend replacing entire spindle motor, replaces FVS2
VS45	VARIDISC - STATIONARY DRIVEN DISC	\$244	N/A	N/A	N/A
24054	VARIDISC-ADJ MOTOR VARIDISC ASSY(W/KEY)	\$304	N/A	N/A	CONSIST OF VS5,VS6, AND VS6-1, REPLACES 23953
VS115	WASHER - EXTERNAL TOOTH WASHER 40(AW-08)	\$9	N/A	N/A	N/A
VS13-1	WASHER - WAVE WASHER	\$9	N/A	N/A	N/A
VS108	WASHER-DRAWBAR-R8	\$9	N/A	N/A	N/A
Manuals		CD	Print		
24939	MANUAL-SERVICE-KNEE MILL-M2/AGE2/A	\$50	\$73		REPLACES 20301
23298	MANUAL - OFFLINE, VM/SM/VL/SL CNC	\$50	\$73		N/A
23243	MANUAL-TRAK KNEE MILL & PT SM CNC	\$50	\$73		N/A