

Part Number	TRAK K4 WITH EMX Machine S/N Includes DC	2018 List Price	Exchange Part#	2018 Exchange Price	NOTES
21824-10-10PK	OBSOLETE SEE 21830-10-10PK	\$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
22581-1	AIR GUN ASSY ONLY -TORQUE RITE POWER DRA	\$762	22581-1R	\$451	N/A
15622	BACK COVER	\$9	N/A	N/A	N/A
14975-7	BALLSCREW EXTENDED SUBASSY X-AXIS	\$46	N/A	N/A	N/A
15608-48	BALLSCREW MX 48" ENGLISH	\$1,108	N/A	N/A	N/A
26032-16	BALLSCREW Y-AXIS	\$451	N/A	N/A	K3 Y-AXIS
15612	BEARING HOUSING ASSY - X AXIS left side	\$93	N/A	N/A	
15980	BEARING HOUSING ASSY-LARGE FLANGE-Y AXIS	\$93	N/A	N/A	Y AXIS
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
15621	BRACKET - X DRIVE HOUSING	\$176	N/A	N/A	X AXIS
20586-1	BRACKET ASSY-Z AXIS-EASSON GLASS SCALE	\$211	N/A	N/A	FOR EASSON GLASS SCALE
20623	BRACKET-SPORT 40 DEGR-X AXIS	\$176	N/A	N/A	N/A
25600	BRUSH KIT-AO SMITH AND MAGNATEK MOTORS	\$106	N/A	N/A	Approx 1/4 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-SPECIALITY MOTORS	\$106	N/A	N/A	N/A
27344-1	BRUSHES 4 PACK MOTOR-BRUSHES-TELCO-4020	\$106	N/A	N/A	N/A
22608	CABLE ASSY-POWER 10 FT	\$15	N/A	N/A	N/A
26053-1	COMPUTER MODULE-IMX/EMX	\$3,325	26053-1R	N/A	REPLACE ENTIRE PENDANT
23436	CONTACTOR-4 POLE	\$183	N/A	N/A	N/A
20621	COVER-SPORT 40 DEGREE	CALL FOR PRICING	N/A	N/A	N/A
15627-2	DIAL HOLDER	\$21	N/A	N/A	Y AXIS
15836	DIAL NUT	\$15	N/A	N/A	
22641-CAT	DRAWBAR-SX5-K4-CAT	\$141	N/A	N/A	USES SPACER 23888
22641-NMTB	DRAWBAR-SX5-K4-NMTB	\$141	N/A	N/A	USES SPACER 23888
20676	ELECTRICAL ENCLOSURE	\$695	20676R	\$416	USED FOR 220/440 VOLTS
26054-1	ENCLOSURE ASSY-PROTOTRAK EMX	\$1,729	26054-1R	N/A	REPLACE ENTIRE PENDANT
16350	FERRULE-SPROCKET	\$9	N/A	N/A	N/A
22607	FILTER/REGULATOR-PT4	\$120	N/A	N/A	N/A
15624	FRONT COVER	\$36	N/A	N/A	N/A
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
20667	LAMP - WORK LAMP KIT	\$363	N/A	N/A	N/A

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TRAK - ProtoTRAK - CNC

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Part Number	TRAK K4 WITH EMX Machine S/N Includes DC	2018 List Price	Exchange Part#	2018 Exchange Price	NOTES
21157-1	LUBRICATION PUMP ASSY 110V	\$487	21157-1R	\$399	N/A
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
22581-4	NOSEPIECE-TORQUE RITE SPINDLE, GOLD	\$93	N/A	N/A	GOLD COLOR PIECE
16452	NUT CLAMP Z-AXIS	\$30	N/A	N/A	X & 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
26015-1	PENDANT ASSY-MILL-EMX	\$4,839	26015-1R	\$936	N/A
16983-1	PULLEY-SOLID 44 TEETH W/O GUIDES	\$141	N/A	N/A	X & Z AXIS
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
15626	SEAL	\$9	N/A	N/A	USED WITH 15980 AND 15612
24101-4	SERVO DRIVER SERIES 3-4020	\$762	24101-4R	\$660	X & Y AXIS, replaces 20201 and 20201R
23141	SHEET METAL-PT4-COOLANT MOTOR COVER ASSY	\$51	N/A	N/A	REPLACES 20675
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
23888	SPACER-SX5-K4-DRAWBAR	\$9	N/A	N/A	N/A
SHIELD/BASE	SPLASH SHIELD AND MAGNETIC BASE	\$90	N/A	N/A	N/A
15638	STOP-X-AXIS	\$9	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
26039	SWITCH-E-STOP-PUSH BUTTON	\$106	N/A	N/A	
15614	TAB WASHER	\$9	N/A	N/A	
16533	VERNIER DIAL DPM X-AXIS	\$36	N/A	N/A	X&Y AXES
20871	WAY COVER BACK KNEE FLAT K3 & K4	\$51	N/A	N/A	K3, K4 MILL
20872	WAY COVER FRONT KNEE ACCORD K3 & K4	\$51	N/A	N/A	K3,K4 MILL
25404	WAY WIPER KIT-K4	\$68	N/A	N/A	N/A
15844-13	YOKE KIT-K MILLS	\$348	N/A	N/A	N/A
Head Parts					
AK048	BEARING - BALL BEARING (6912ZZ)	\$93	N/A	N/A	RECOMMEND AK049L ALSO
23943	BEARING - BALL BEARING (SET OF 2) (6910Z	\$120	N/A	N/A	SET OF 2 (6910ZZ)
FVS15	BEARING (6909VV)	\$93	N/A	N/A	SOME UNITS USE 6909ZZ
24599	BEARING HOUSING ASS'Y-K4 see also 24603	\$120	N/A	N/A	INCLUDES FVS42, FVS43
FVS43	BEARING-6013ZZ	\$93	N/A	N/A	ORDER ASSY 24599
20839	BEARING-ANG CT U/SET (2)-7010 P4	\$694	N/A	N/A	

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26392	BEARING-DEEP GROOVE-6008-2Z	\$36	N/A	N/A	REPLACES A112H, SEE ASSY 16502
23954	BEARING-SET OF 2 EA (6203ZZ)	\$31	N/A	N/A	(2)FVS65 (OLD P/N AK118)
FVS63	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
FVS59	BRAKE BLOCK (SET OF 2)	\$30	N/A	N/A	N/A
24055	BRAKE SHOE ASSY ALL K MILLS & DPM5	\$162	N/A	N/A	(2)VS47 (2)VS49 (4)VS122, (4)VS120
AK099	BRAKE SPRING	\$9	N/A	N/A	SEE 25059 - BRAKE SHOE ASSY
VS6	BUSHING	\$68	N/A	N/A	REPLACES FVS6
FVS46	CAP - BEARING CAP sell w/ AK048	\$64	N/A	N/A	MUST SELL MATCHING SET OF FVS46/AK048
FVS13	CAP - TOP BEARING CAP	\$36	N/A	N/A	N/A
FB178	CLOCK SPRING	\$71	N/A	N/A	CLOCK SPRING ONLY - NO HOUSING
24095	CLOCK SPRING ASSEMBLY (SPRING & COVER)	\$141	N/A	N/A	SPRING & COVER
FVS109	MANUAL-DRAWBAR-K4,DPM3/DPM5 NMTB	\$71	N/A	N/A	N/A
21442	FEED CRADLE ASSY K4	\$211	N/A	N/A	ALSO IN MANUAL AS 20698-1
20698-5	FEED REVERSE CLUTCH ASSY	\$170	N/A	N/A	N/A
20833	FEED TRIP ASSY-K4	\$141	N/A	N/A	FB103, FB104, FB105, FB106, FB117, FB118, FB119, FB120, FB121
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
FVS22	GEAR - SPEED CHANGE GEAR	\$23	N/A	N/A	N/A
FVS74	GEAR - SPINDLE BULL GEAR(see 20697-2 ass	\$278	N/A	N/A	N/A
K-B186	GEAR - WORM GEAR	\$23	N/A	N/A	REPLACES FB186
FVS21	GEAR - WORM GEAR	\$23	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
20697-2	HI-LOW SHIFT CLUTCH SUB-ASSY (4VK-A2)	\$570	N/A	N/A	N/A
20697-3	HI-LOW SHIFT SUB-ASSY (4VK-A3)	\$141	N/A	N/A	N/A
FVS75	HOUSING - BEARING SLIDING HOUSING	\$106	N/A	N/A	N/A
FVS73	HUB - SPLINE GEAR HUB	\$106	N/A	N/A	N/A
20698	K4, LOWER HEAD HOUSING ASSY (GREEN) 40 T	N/A	20698R	\$3,990	GREEN - K4 TYPE HEAD
FVS72	KEY	\$9	N/A	N/A	N/A
VS3-1	KEY 6x6x44.5L	\$9	N/A	N/A	N/A
FB163	OBSOLETE-SEE 27349	\$30	N/A	N/A	N/A
FVS81	LOCK WASHER	\$7	N/A	N/A	N/A
20697-5	LOWER VARI-DISC DRIVE ASSY	\$710	N/A	N/A	N/A
20847	MICRO SCREW, MICRO-STOP NUT & MICROMETER	\$141	N/A	N/A	N/A
FB133	NOSE PIECE	\$51	N/A	N/A	N/A
20698-4	OVERLOAD CLUTCH TRIP ASSY (4VK-H4)	\$154	N/A	N/A	N/A
FVS89	PLATE - HI-LOW DETENT PLATE	\$23	N/A	N/A	N/A
FVS62	PULLEY - TIMING BELT PULLEY	\$81	N/A	N/A	N/A

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20697-4	PULLEY PINION SUB-ASSY (4VK-A4)	\$141	N/A	N/A	N/A
FB142	QUILL	\$487	N/A	N/A	MUST MEASURE QUILL IN 3 PLACES
20850	QUILL FEED HANDLE ASSY (K2/K3/K4)	\$141	N/A	N/A	QUILL HANDLE
20846	QUILL LOCK HANDLE ASSY - K4(FB149&FB152)	\$36	N/A	N/A	N/A
20698-3	QUILL PINION SHAFT ASSY-40 TAPER	\$141	N/A	N/A	N/A
27347-2	REBUILD KIT-UPPER HEAD-DPM3/DPM5/K4	\$1,263	N/A	N/A	N/A
K-B93	RING - OVERLOAD CLUTCH RING(same as FB93)	\$23	N/A	N/A	REPLACES FB93
FB189	SHAFT - ADJ WORM	\$36	N/A	N/A	N/A
FVS52	SHAFT - BRAKE LOCK SHAFT	\$9	N/A	N/A	SEE 24055 – BRAKE ASSY
FVS87	SHAFT - HI-LO GEAR SHAFT	\$15	N/A	N/A	N/A
FB166	SHAFT - QUILL PINION SHAFT	Sell as Assembly 20698-3	N/A	N/A	N/A
FVS25	SHAFT - SPEED CHANGE SHAFT	\$23	N/A	N/A	N/A
FVS70	SHAFT - TIMING PULLEY CLUTCH	\$211	N/A	N/A	N/A
20844	SLEEVE - QUILL LOCK SLEEVE ASSY	\$46	N/A	N/A	N/A
FVS76	SNAP RING	\$9	N/A	N/A	N/A
FVS97	SNAP RING	\$9	N/A	N/A	N/A
FVS80	SNAP RING	\$9	N/A	N/A	N/A
20818	SPACER-BEARING	\$71	N/A	N/A	REPLACES 16529, CONSIST OF AK110L, AK111L
20836-1	SPINDLE ASSY (K4) 40 TAPER	\$2,075	20836-1R	\$1,317	N/A
FVS42	SPINDLE PULLEY BEAR HOUSE (ORDER 24599)	\$30	N/A	N/A	ORDER ASSY. 24599
FVS8	SPRING FOR VARI DISC MOTOR SHAFT	\$15	N/A	N/A	N/A
24099	TRIP HANDLE ASSY (FB104&FB105)	\$42	N/A	N/A	INCLUDES PLASTIC BALL
24688	UPPER HEAD ASSY-K4-40 TAPER	\$4,149	24688R	\$2,766	N/A
20820	USE 20820-1 (SEE NOTES)	\$1,316	N/A	N/A	N/A
FVS44	VARIDISC - ADJUSTABLE DRIVEN DISC(NOTES)	\$244	N/A	N/A	KEY INCLUDED
VS2	VARIDISC - STATIONARY (NOTES)	\$244	N/A	N/A	Recommend replacing entire spindle motor, replaces FVS2
FVS45	VARIDISC - STATIONARY DRIVEN VARIDISC	\$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
FVS115	WASHER - EXTERNAL TOOTH WASHER (AW-10)	\$9	N/A	N/A	N/A
VS108	WASHER-DRAWBAR-R8	\$9	N/A	N/A	N/A
Manuals		CD	Print		
26056	STOCK MANUAL-EMX PROGRAMMING	\$50	\$73		
26109	STOCK MANUAL-KE-EMX SERVICE AND INSTALLA	\$50	\$73		