

MAIMIN K-105 END CUTTER

INSTRUCTIONS AND PARTS LIST

EDITION 1.7

For all models EC12/EC22 (from February 1988 Serial No. 1372, 1374 up).

DESCRIPTION

The Maimin K-105 End Cutter consists of one cutting machine with cutter track and lift-up devices and one end rail with lift-up devices. The cutter track and end rail are 8 inches (20 cm) longer than the width of the cutting table.

CONNECTIONS

Read Nameplate on motor. Connect only to voltage shown.

OPERATION

Motor is controlled by a micro-switch on cutter and a cam on the cutter track. Pulling the cutter away from the end of the track automatically starts the cutter. Caution: Read Safety Instructions.

2-11-88

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IMPORTANT SAFETY INSTRUCTIONS

When using your cutting machine, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. Use machine only for its intended use as a portable cutting machine.
3. Turn machine to OFF before connecting or disconnecting power cord.
4. Do not install or store this machine in a wet location.
5. Keep area around machine free from the accumulation of lint.
6. Always disconnect machine from electrical connector when not in use, before servicing, and when changing blades.
7. Do not operate machine with a damaged cord or if machine has been dropped. Do not disassemble; take to qualified serviceman for repairs. Incorrect reassembly can cause electric shock when the machine is used.
8. Keep visitors away. Do not leave machine unattended while it is connected.
9. Keep hands away from blade.
10. Be sure machine is properly grounded while in use to protect the operator from electrical shock. Surrounding the Terminal Pins is a Ground Shield which is designed to be used with the Maimin Grounded Connector (#458B, or #458A for 3 phase machine). See tag supplied with Connector for wiring instructions.

Use correct electrical wiring.

<u>U.S.A. only</u>	1 phase: Use AWG 16/3 SJ, SJT or SJE
	3 phase: Use AWG 16/4 SJ, SJT or SJE

<u>INTERNATIONAL</u>	1P+N+ $\underline{1}$: Use 3 X 1, 0 mm ² CEE(2)61
	3P+ $\underline{1}$: Use 4 X 1, 0 mm ² CEE(2)61

DANGER: Improper connection of cord into connector can result in risk of electric shock.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood.

11. Keep machine clean and blade sharp for best and safest performance.
12. The knife key and other wrenches must be removed from machine before starting motor.
13. Keep guards in place and in working order.

SAVE THESE INSTRUCTIONS

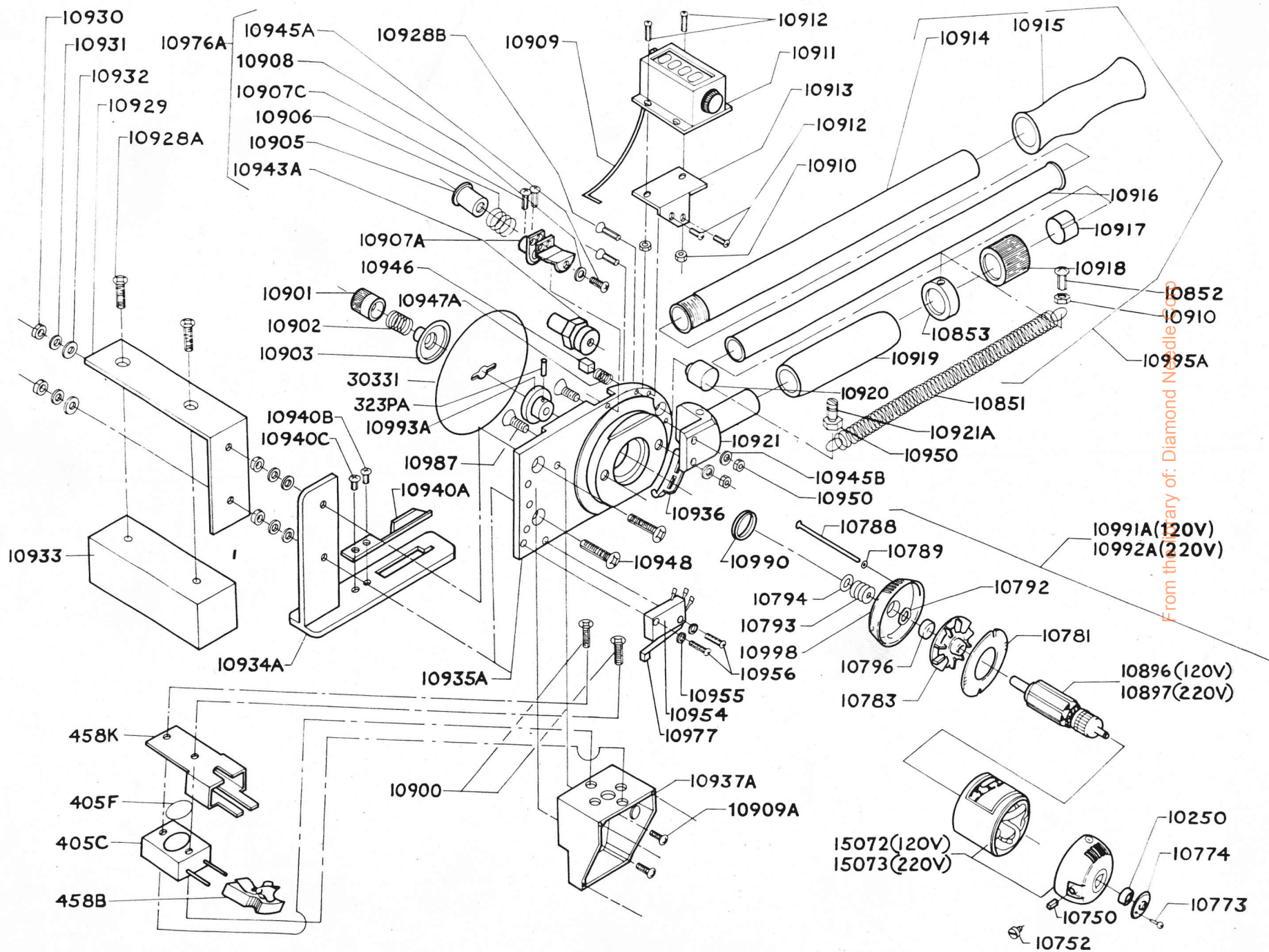
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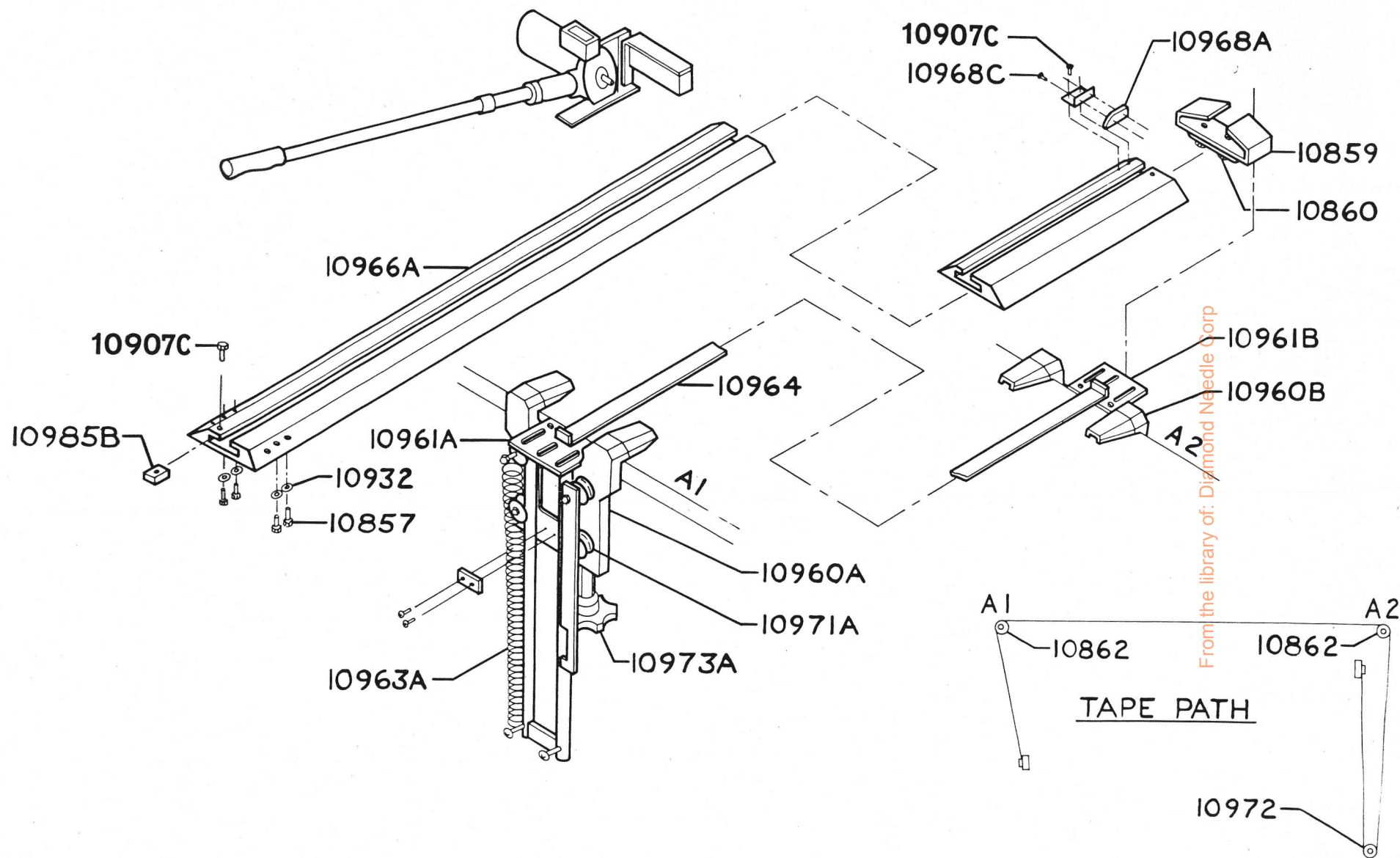
K-105 ASSEMBLY INSTRUCTIONS

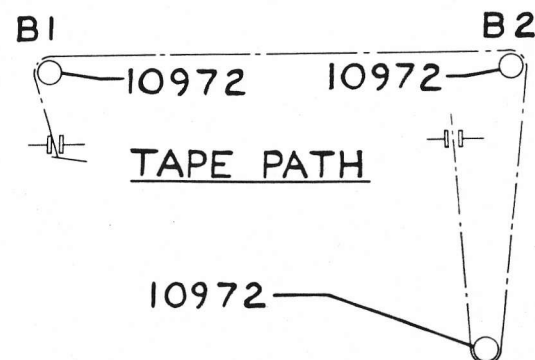
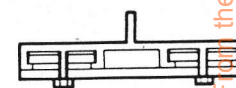
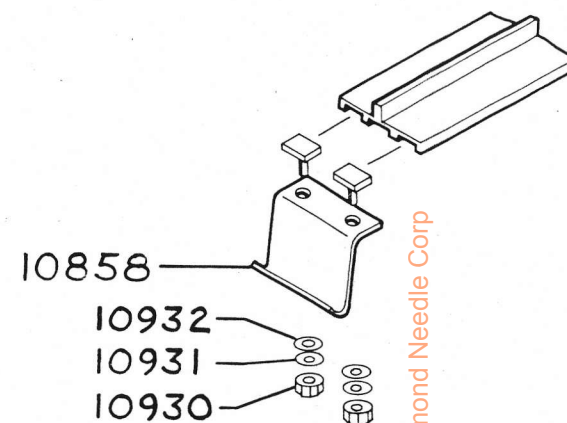
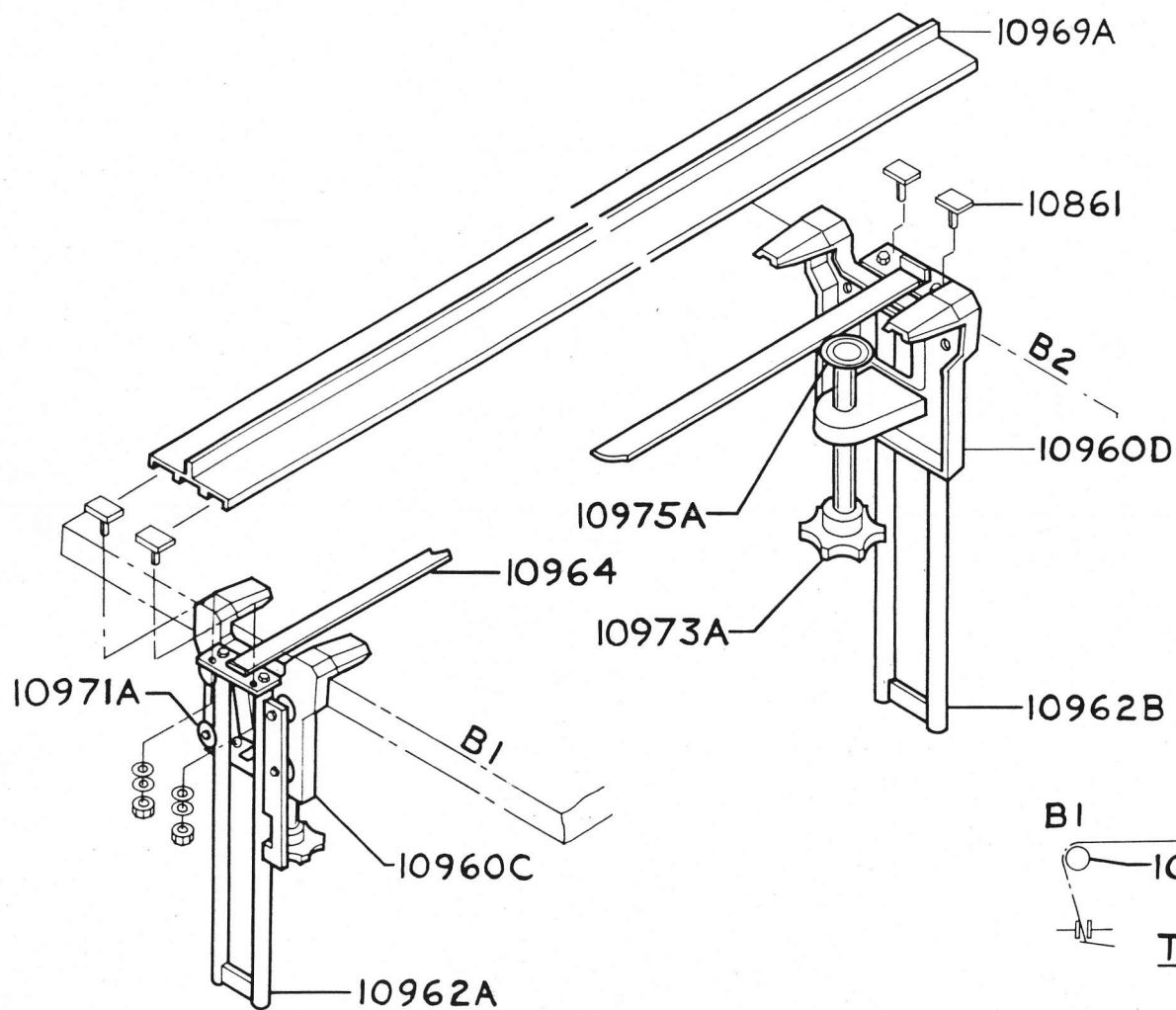
Operator stands on side A1 of table.
Opposite side is side A2.

1. Clamp two supports A1 (10960A) and A2 (10960B) to table opposite each other.
2. Install nylon tape (10964). Pass one end of tape through top roller (10862) of track base A1 (10961A) and under tape clamp on support. Tighten tape clamp. Pull tape across table, over top roller on track base A2 (10961A), around lower roller (10972) and up to tape clamp. Tighten tape clamp.
3. Attach cutter track (10966A) to A1 base with bolts (10857), flat-washers (10932), and lockwashers (10931). Attach cutter track to A2 base with bracket (10859). Bracket slides over track and base. It is then locked from underneath base A2 with (2) bolts (10860). Switch release (10968A) should be at A2 end. To operate ply counter install trip wire spring onto cutter track.*
4. Remove from cutter track (2) Phillips pan head screws (10907C) at A1 side. Remove shock absorber clamp (10985C) and shock absorber (10985B). Insert standard of cutter into groove in track with machine handle facing A1 side. Replace shock absorber, shock absorber clamp and screws.
5. Clamp two supports B1 (10960C) and B2 (10960D) to table opposite each other. B1 support should be on same side as A1.
6. Install nylon tape (10964). Pass one end of tape through top roller (10972) of track base B1 (10962A) and under tape clamp on support. Tighten tape clamp. Pull tape across table, over top roller on track base B2 (10962A), around lower roller (10972) and up to tape clamp. Tighten tape clamp.
7. Insert end rail mounting T-bolts (10861) into channels of end rail (10969A). Fasten end rail with mounting T-bolts in channels thru lifting handle onto end rail base with nuts (10930), flat-washers (10932) and lockwashers (10931). Repeat for other side.
8. Both sides of cutter track and end rail should raise equally. Adjust tension on tape if necessary.

* Cutter may be mounted in "PUSH" position if desired. Machine is off at side A1 and operator pushes machine handle to start motor and cut. To install in this position, mount track (10966A) with switch release at A1 end.







From the library of: Diamond Needle Corp

K-105 END CUTTER PARTS LIST

PART NUMBER	QUANTITY	DESCRIPTION
10250	1	Bearing
10750	2	Brush
10752	2	Brush Cap, Flat
10773	2	Screw m3X6mm Lg. Fillister Hd.
10774	1	Cap
10781	1	Fan Washer
10783	1	Fan
10788	2	Assembly Bolt
10789	2	Washer
10792	1	Undulating Washer
10793	3	Washer
10794	1	Retaining Ring
10796	1	Bearing, Bottom
10849	2	Screw m2X4mm Lg. Phillips Pan Hd. (not shown)
10850	1	Lint knife (not shown)
10851	1	Spring
10852	1	Screw m4X16mm Lg. Phillips Pan Hd.
10853	1	Handle Spring Retainer
10855	1	Screw m3X8mm Lg. Socket Hd. Cap
10857	4	Bolt m6X7mm Lg. Hex Hd.
10858	2	Lift Handles
10859	1	Track Bracket
10860	2	Bolt m6X15mm Lg. Hex Hd.
10861	6	Rail mounting T-Bolts
10862	2	Top Tape Roller A1 & A2
10900	2	Screw 8-32x1 Socket Hd. Cap
10901	2	419R Washer
10902	1	Blade Nut
10903	1	Spring
10905	1	Blade Retainer
10906	1	Plunger
10907A	1	Spring
10907C	1	Sharpener Bracket (2 Pieces)
10909	6	10908 Lockwasher M5
	1	Screw m4X6mm Lg. Phillips Pan Hd.
	3	Trip Wire
		10909A Screw m4X8mm Lg. Phillips Pan Hd.
10910	1	10909B Trip Wire Spring
10911	4	Hex Nut M4
10912	1	Counter
	5	Screw m4X10mm Lg. Phillips Pan Hd.
	4	10912A Flat Washer 10mmX4, 1mmX1mm
10913	4	10912B Lockwasher M4
10914	1	Counter Bracket
10915	1	Handle
10916	1	Handle Grip
10917	1	Handle Extension
10918	1	Coupling Sleeve
10919	1	Coupling Nut
10920	1	Flexible Sleeve
		Blade Wiper Retainer

K-105 END CUTTER PARTS LIST

PART NUMBER	QUANTITY	DESCRIPTION
10921	2	Handle Bracket
	4	10908 Lockwasher M5
10921A	2	Spring Stud
10928A	2	Screw M5X15mm Lg. Phillips Flat Hd.
10928B	4	Screw M5X18mm Lg. Phillips Flat Hd.
10929	1	Counter-Weight Bracket
10930	8	Hex Nut M6
10931	12	Lockwasher M6
10932	12	Flatwasher 14mmX6,7mmX1mm
10933	1	Counter-Weight
10934A	1	Standard
10935A	1	Motor Mount
10936	1	Knife Guard
	1	10848 Rollpin 2.mX5mm Lg.
	1	10953 Screw M3X6mm Lg. Phillips Button Hd.
	1	10955 Lockwasher M3
	1	10970 Flatwasher 8,2mmX3,2mmX9mm
10937A	1	Junction Box
10940A	1	Counter Cutting Blade
10940B	1	Screw M3X4mm Lg. Phillips Fillister Hd.
10940C	1	Screw M3X4mm Lg. Phillips Pan Hd.
10943A	1	Stone Sleeve & Bearing
		10943B Stone Only
10945A	1	Screw M5X8mm Lg. Socket Hd. Cap
10945B	4	Flatwasher 10mmX5,3mmX1mm
10946	1	Blade Oiler
10947A	1	Spring
	1	10849 Screw M2X4mm Lg. Phillips Pan Hd.
10948	2	Bolt M6X30mm Lg. Hex Hd.
10950	6	Hex Nut M5
10954	1	Limit Switch
10955	2	Lockwasher M3
10956	2	Screw M3X15mm Lg. Fillister Hd.
10960A	1	Support A1
10960B	1	Support A2
10960C	1	Support B1
10960D	1	Support B2
10961A	1	Track Base Assembly A1
10961B	1	Track Base Assembly A2
10962A	1	Rail Base Assembly B1
10962B	1	Rail Base Assembly B2
10963A	3	Spring
10964	2	Nylon Tape
10966A	1	Cutter Track (Specify Length)
10968A	1	Switch Release
10968B	2	Screw M3X10mm Lg. Type 25 Phillips Pan Hd.
10968C	2	Screw M3X6mm Lg. Type 25 Phillips Pan Hd.

K-105 END CUTTER PARTS LIST

PART NUMBER	QUANTITY	DESCRIPTION
10969A	1	End Rail (Specify Length)
10971A	16	Guide Roller
10972	4	Tape Roller
10973A	4	Handle & Bolt
10975A	4	Pad
10976A	1	Sharpener Bracket Assembly
10977	1	Leaf Spring with Roller
10985B	2	Stop, Cutter Track
		10985C Stop Clamp
10987	2	Screw M6X20mm Lg. Flat Hd. Socket
10990	1	Motor Adaptor Ring
10991A	1	Motor Assembly 120V
10992A	1	Motor Assembly 220V
10993A	1	Blade Seat w/Drive Pin
		10988 - Screw, Blade Seat -
		M6X30mm Lg. Socket Set
		Knurled Cup
10995A	1	Handle Assembly
10896	1	Armature (WK 1401912) 120V
10897	1	Armature (WK 1509612) 220V
10998	1	Bottom Motor Housing
15072	1	Top HSG & Field Assembly 120V
15073	1	Top HSG & Field Assembly 220V
30331	1	Round Blade
323PA	1	Roll Pin
405C	1	Terminal Block Assembly
405F	1	Fibre
458B	1	Connector 1 Phase
458K	1	Ground Shield

K-105 END CUTTER ACCESSORIES PACKAGE

PART NUMBER	DESCRIPTION	QUANTITY
	Oil Bottle	1
	Phillips Screwdriver	1
	Opened end wrench 8mmX10mm	1
	2.5 MM Hex Key	1
10857	m6X7mm Lg. Hex Hd. Bolt	6
10858	Lift Handles	2
10859	Track Bracket	1
10860	m6X15mm Lg. Hex Hd. Bolt	2
10861	Rail Mounting T-Bolts	6
10909A	m4X8mm Lg. Phillips Pan Hd. Screw	1
10909B	Trip Wire Spring	1
10930	m6 Hex Nut	6
10931	m6 Lockwasher	12
10932	m6 Flatwasher	12
10943B	Stone	1
10964	Nylon Tape	2