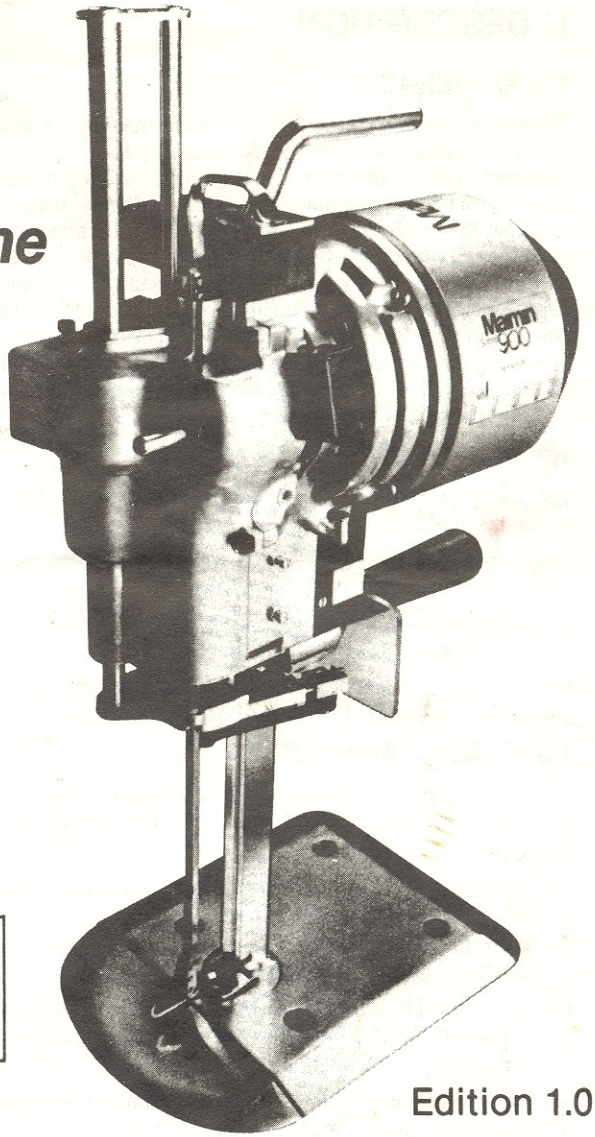
BOOK NO. 22118

Cortar

MAIMIN®

Straight Knife Cutting Machine with Flexi-Band Sharpener (Model A)



SABRE 900 ☐
SABRE 800 ☐
SABRE 700 ☐

Instructions and Parts List

MACHINE SERIAL NO.

Edition 1.0

SAFETY INSTRUCTIONS

1. BE SURE MACHINE IS PROPERLY GROUNDED. The cutting machine should be grounded while in use to protect the operator from electrical shock. Use a Maimin Grounded Connector (#458B, or #458A for 3 phase machine).
2. USE CORRECT ELECTRICAL WIRING

U.S.A. only	1 phase:	Use AWG 16/3 SJ, SJT
	3 phase:	Use AWG 16/4 SJ, SJT
INTERNATIONAL	1P + N + ⏚:	Use 3x 1, 0 mm² CEE(2)61
	3P + ⏚:	Use 4x 1, 0 mm² CEE(2)61

3. KEEP CUTTING AREA CLEAN. A cluttered table can cause accidents.
4. AVOID DANGEROUS ENVIRONMENT. Do not use machine in a damp or wet location. The work area should be well lit.
5. KEEP VISITORS AWAY. They should be kept at a safe distance from the cutting area.
6. STORE MACHINE PROPERLY. When not in use, the machine should be stored in a dry location.
7. MAINTAIN MACHINE WITH CARE. Keep machine clean and blade sharp for best and safest performance. Follow instructions for lubricating.
8. ALWAYS DISCONNECT MACHINE when not in use, before servicing, and wh
9. REMOVE KNIFE KEY AND WRENCHES. The knife key and other wrenches n starting motor.
10. AVOID ACCIDENTAL STARTING. Disconnect electrical cord before carrying connecting cord.
11. KEEP GUARDS IN PLACE AND IN WORKING ORDER.
12. KEEP HANDS AWAY FROM CUTTING BLADE.

H. MAIMIN CO., INC., P.O. Box 549 — Route 341, Kent,

I. DESCRIPTION

1.1 GENERAL

Your new Maimin Sabre straight knife machine is delivered ready for operation. It is merely necessary to connect it to an electrical outlet of the correct voltage, oil it, and then begin cutting. The straight knife machine can be used for cutting various types of materials from a few ply to the full capacity of the machine. However, for best results, it is recommended that the minimum height of the lay be no lower than the bottom of the cutting blade at its highest position. The Presserfoot Leg (Key No. A403) acts as a protective guard for the operator so that it should be down at all times. The Presserfoot should lie lightly on top of the lay when cutting in order to prevent the material from vibrating.

1.2 FLEXIBANDS AVAILABLE

Three different grits of "FlexiBands" are available for sharpening the blade:

Coarse — For hard or coarse materials
(Part 1450 — Box of 100)

Medium — For fine woolens, synthetics and cottons
(Part 1451 — Box of 100)

Fine — For sheer fabrics, very soft materials
(Part 1452 — Box of 100)

1.3 BLADES AVAILABLE

The blades come in three grades and in different shapes for cutting unusual or difficult materials. The three grades available are:

ZK — High Speed Steel . . . Most popular blade as it wears well retaining its cutting edge for a long time.

BK — Carbon Alloy Steel . . . A quality blade less durable than the ZK blade but less costly.

TK — Treated High Speed Steel . . . Retains cutting edge very well. Used only for hard or abrasive materials such as fiberglass or heavy denim as it is very expensive.

See back cover for complete list of part numbers of blades according to size, grade, shape, and quantity.

II. OPERATION

2.1 UNPACKING A NEW MACHINE

During shipment oil may have flowed onto Pulley A303 which can cause sharpener to traverse slowly. Sharpener cycle time is 1.5 seconds. If longer, oil is causing Pulley to slip. To remove oil, disconnect power, remove Brake A342, wipe oil from Pulley and Crank A505. Replace Brake as described in paragraph 2-11.

2.2 TO START

Fill oil cups. Attach Connector A525 to Terminal Pins A523. Move switch A550 from "off" to "on"USA) or "O" to "I" (International).

Caution: 3 phase motor must turn counter-clockwise when viewed from rear.

2.3 TO SHARPEN BLADE (Figure 1)

Machine should be clear of lay and Presserfoot "A" should be down on Baseplate "B." With motor running, move Tripper Handle "C" to right (facing sharpener) until it latches. Release it. Sharpener will automatically sharpen entire blade. Repeat if necessary.

2.4 TO CUT

Raise Presserfoot A402 above top of lay by pressing down on Presserfoot Handle A323 and lifting Presserfoot Lift A404. For Squeeze Trigger, pull Handle 480A towards machine Handle A549. Enter lay, and lower Presserfoot to top of lay by releasing Presserfoot Trigger. When making turns in lay, it is sometimes advisable to let Presserfoot ride freely on top of lay by pushing down on Presserfoot Handle. When machine is not in use, always lower Presserfoot to Baseplate. The Presserfoot Leg acts as a safety guard for the blade.

2.5 TO CHANGE FLEXIBANDS (Figures 2 and 3)

a) Figure 2: Push Block "A" to release right (upper) FlexiBand "B." Remove FlexiBand from Block and then from Drive Pulley "C."

b) Figure 3: Slip new FlexiBand "B" over Drive Pulley "C" and between Band Plate "D" and Blade "E." Push Block "A" forward and slide FlexiBand over it. Release Block "A."

c) Remove left (lower) FlexiBand, and install new one in same manner.

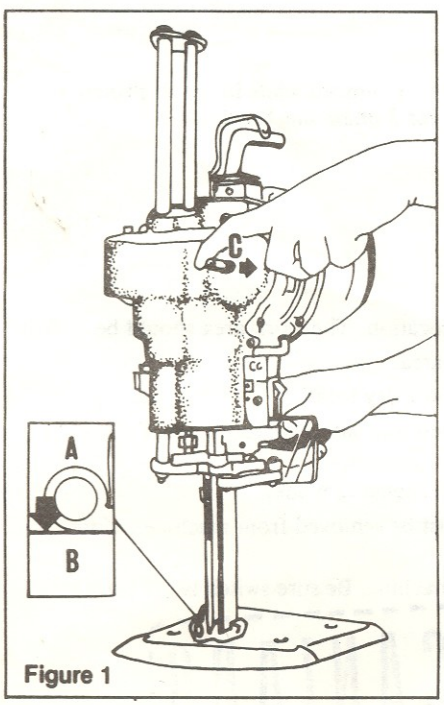


Figure 1

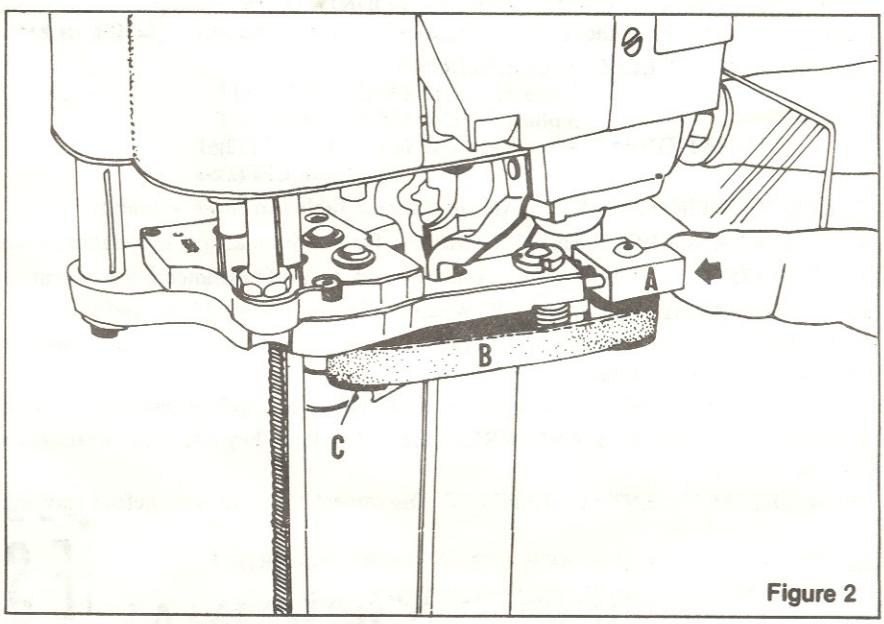


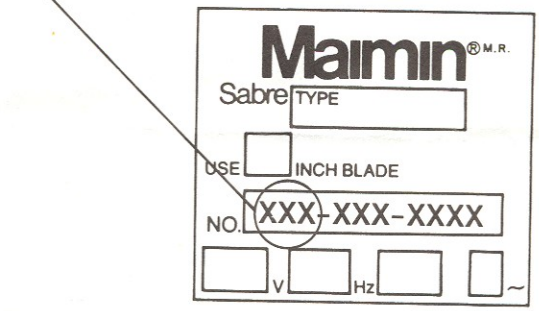
Figure 2

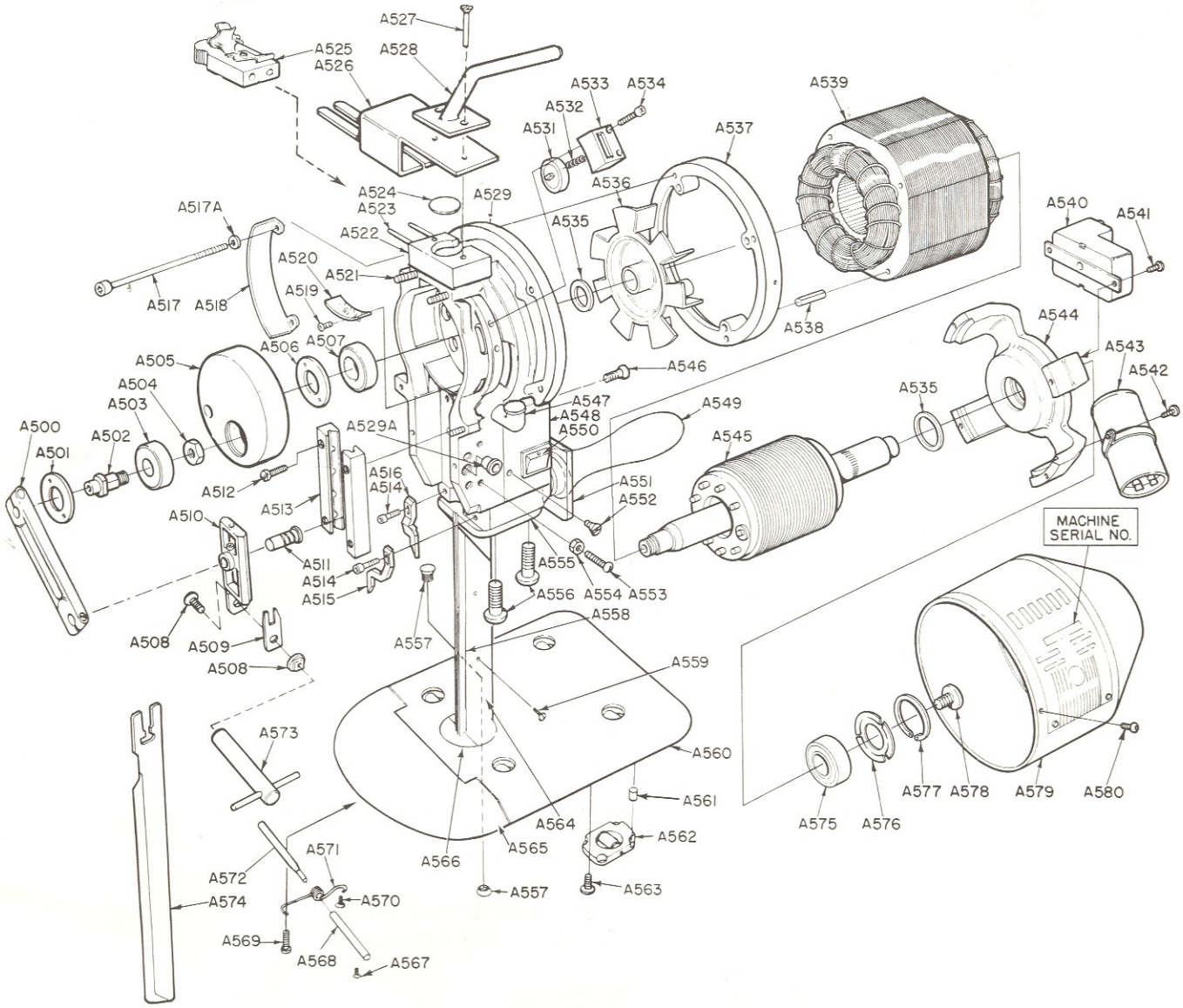
MAIMIN®

SABRE 800 AND 900 MOTORS WITH STANDARD ASSEMBLIES

FOR MOTOR CODES, AJ1, AJ22, AJ3, AJ42, AJ5, AJ6, AJ7, AL1, AL2, AL3, AL4, AL8 ONLY

MOTOR CODES REFER TO FIRST 3 OR 4 DIGITS
IN SERIAL NO. BOX ON NAMEBAND AS SHOWN





H. MAIMIN CO., INC., P.O. Box 549 — Route 341, Kent, Connecticut 06757, U.S.A.

PARTS LIST

KEY NO.	PART NO. 1 PHASE	PART NO. 3 PHASE	DESCRIPTION
A500	412A	412A	Connecting Rod — H
	412B	412B	Connecting Rod — M
	412C	412C	Connecting Rod — L
A501	413W	413W	Bearing Lock
A502	415	415	Crank Pin
A503	414	414	Crank Bearing
A504	415N	415N	Crank Nut
A505	413BX	413LX	Crank w/413W, 414, 415-H
	413CX	413MX	Crank w/413W, 414, 415-M
	413DX	413NX	Crank w/413W, 414, 415-L
	—	413VA	Screw, 1/4 × 1/4 Flat Pt. Soc. Set
	—	413VB	Screw, 10 × 3/16 Flat Pt. Soc. Set
A506	404C	404C	Bearing Lock
A507	403	403	Bearing #203
A508	416	416	Knife Bolt & Nut
A509	411A	411A	T-Slot Lock
A510	411	411	Crosshead w/411P
A511	411P	411P	Wrist Pin
A512	409A	409A	Screw, 8 × 3/4 Fillister Hd. (4)
A513	409C	409C	Gibbs, pair
A514	23226	23226	Screw, 6 × 1/4 Socket Hd. (2)*
A515	23151	23151	Cam, Right*
A516	23152	23152	Cam, Left*
A517	419Z	419Z	Motor Bolt, 10 × 3-1/2, Sabre 800 (4)
	419ZB	419ZB	Motor Bolt, 10 × 3-3/4, Sabre 900 (4)
A517A	419R	419R	Washer, .200 × 3/8 × .036 (4)
A518	402W	402W	Windguard
A519	802S	802S	Screw, 6 × 3/16 Binding Hd. (2)
A520	402L	402L	Oil Guard
A521	23230	23230	Screw, 10 × 7/8 Flat Pt. Soc. Set (3)*
A522	405	405A	Terminal Block with Pins
A523	406	406A	Terminal Pin (2, 3)
A524	405F	405B	Fibre Cover
A525	458B	458A	Current Connector
A526	458K	458M	Ground Shield
A527	408	—	Screw, 8 × 1-1/8 Flat Hd.
	—	408B	Screw, 8 × 2 Flat. Hd.
A528	407D	407D	Top Handle
A529	402CC	402CD	Front Housing w/23230 (3)*
	402CA	402CB	Front Housing, 'K' Model only
A529A	402BG	402BG	Tapered Plug #7-S*
A531	468J	468J	Thumbwheel w/Shaft
A532	468C	468C	Spring
A533	468D	468D	Thumbwheel Support
	468A	468A	Thumbwheel Assembly
A534	468S	468S	Screw, 6 × 7/8 Socket Hd. (2)
A535	497P	497P	Support Washer
A536	400J	400J	Fan
A537	302QC	302QC	Adaptor Ring
A538	302QD	302QD	Spring Pin, 5 × 20 mm (4)
A539	15097A	15202A	Stator, Sabre 800 (AJ1, AJ22, AJ3, AJ41, AJ5, AJ6, AJ7)**
	15222	—	Stator, Sabre 900 (AL1, AL2, AL3, AL4, AL8)**
A540	365G	—	Relay — 692, Sabre 800 (AJ1, AJ22, AJ42)
	365E	—	Relay — 703, Sabre 800 & 900 (AJ3, AL1, AL2)
	365D	—	Relay — 716, Sabre 900 (AL3, AL4, AL8)
	—	483	Voltage Change Panel, 50HZ
A541	802S	—	Screw, 6 × 3/16 Binding Hd. (2)
A542	824S	—	Screw, 6 × 3/8 Binding Hd.
A543	15087	—	Capacitor Clamp
	15079	—	Capacitor 161 mfd — Sabre 800
	15076	—	Capacitor 270 mfd — Sabre 900
A544	302R	302T	Spider, Sabre 800
	302S	—	Spider, Sabre 900
A545	15223	15223	Armature Assembly, Sabre 800
	15224	—	Armature Assembly, Sabre 900
A546	441S	441S	Screw, 6 × 5/16 Fillister Hd. (2)
A547	402BD	402BD	Oil Cup
	402B	402B	Oil Cup Assemby with Tube
A548	466B	466B	Cover, Switch
A549	464P	464P	Contoured Handle w/Bushing
A550	443	443A	Switch
A551	464R	464R	Shield
A552	818S	818S	Screw, 6 × 1/4 Flat Hd.
A553	410	410	Screw, 8 × 1/2 Fillister Hd. (2)
A554	410N	410N	Nut (2)
A555	464C	464C	Handle Block
A556	425	425	Bolt, 3/8 × 1 Button Hd. (3)
A557	435	435	Cone Lock & Nut
A558	428A	428A	Insert for Standard — 9″
	428B	428B	Insert for Standard — 8″
	428D	428D	Insert for Standard — 6″
	428G	428G	Insert for Standard — 10″
	428H	428H	Insert for Standard — 11″
	428M	428M	Insert for Standard — 14″
A559	428S	428S	Insert Screw
A560	429	429	Baseplate with Rollers & Lip
	440A	440A	Swivel Baseplate with Rollers & Lip
A561	436K	436K	Rubber Cushion
A562	436	436	Roller Carrier Assembly
	440M	440M	Swivel Roller Assembly (Rear)
	440J	440J	Swivel Adaptor Ring
A563	436S	436S	Screw, 10 × 5/32 M Hd.
A564	424A	424A	Standard — 9″
	424B	424B	Standard — 8″
	424D	424D	Standard — 6″
	424G	424G	Standard — 10″
	424H	424H	Standard — 11″
	424M	424M	Standard — 14″
A565	430	430	Lip
A566	426A	426A	Throat Plate — 6″, 8″
	426B	426B	Throat Plate — 9″,
	426C	426C	Throat Plate, Wide Slot — 6″, 8″
	426E	426E	V Throat Plate — 6″, 8″
	426F	426F	V Throat Plate — 9″, 10″, 11″, 14″
	426V	426V	V Throat Plate w/Nest — 9″, 10″, 11″, 14″
	427	427	Screw, 10 × 7/16 Flat Hd.
	427N	427N	Nest
A567	436S	436S	Screw, 10 × 5/32 M Hd.
A568	431B	431B	Shaft, Short
A569	802S	802S	Screw, 6 × 3/16 Binding Hd.
A570	802S	802S	Screw, 6 × 3/16 Binding Hd.
A571	433B	433B	Spring, Lip, Small
A572	431A	431A	Shaft, Long
A573	457	457	Knife Key
A574	—	—	Blade (see back cover)
A575	403	403	Bearing #203
A576	404D	404D	Loading Spring, (2)
A577	404E	404E	Retaining Ring — 5008-156
A578	404F	404F	Lock Screw
A579	302QB	302QB	Motor Cover
A580	23122	23122	Screw, 6 × 1/4 Button Hd. (3)

*For Model 'A' Flexi-Band Sharpener Only

**Specify Voltage or Motor Code

Always Give Machine **SERIAL NUMBER** When Ordering Parts.

Order By **PART NUMBER** — Not Key Number

Printed in U.S.A.

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.S.A. only — 1 phase: Use AWG 16/3 SJ, SJT or SJE
    3 phase: Use AWG 16/4 SJ, SJT or SJE

    INTERNATIONAL — 1P+N+1: Use 3 X 1, 0 mm^2 CEE(2)61
    3P+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

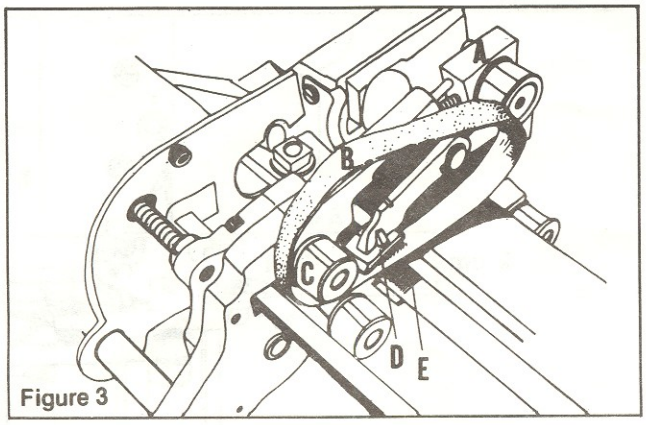


Figure 3

2.6 TO CHANGE BLADE (Figure 4)

a) Disconnect power

b) Lay machine on left side.

c) Press and turn Thumbwheel "A" to move Blade to its lowest position.

d) With Knife Key "B" turn Nut "C" counter-clockwise to unlock blade.

e) Raise Presserfoot Leg and slide Blade "D" downwards and out.

f) Clean Inserts "E" with slot cleaning tool or bottom corner of blade.

g) Slide new Blade up against Knife Locking Bolt.

h) Holding lower part of Blade, push it firmly ***up*** against Bolt and ***back*** against Inserts.

i) Tighten Nut "C."

Note: Use only genuine Maimin Blades with "Cut-Out" and T-shaped slot in shank for optimum performance and safe operation.

Always tighten Knife Locking Bolt and Nut before running machine to prevent damage to Crosshead A510 and Gibbs A513. Do not run sharpener without blade in machine or sharpener will jam.

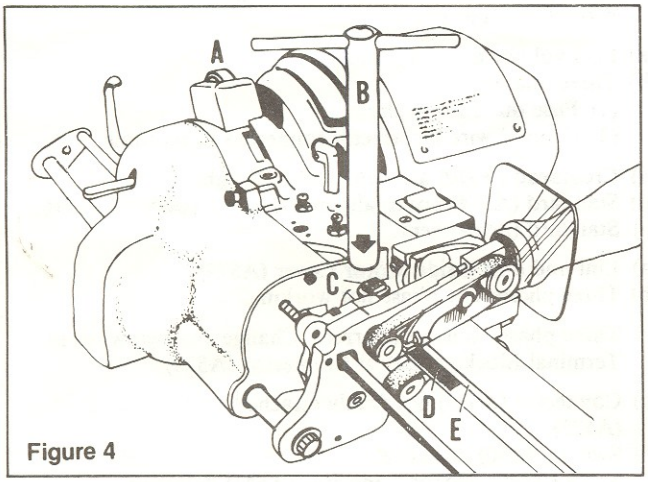


Figure 4

2.7 TO CHANGE BEVEL WIDTH ON BLADE (Figure 5)

a) Run sharpener to lowest position, turn off motor, disconnect power.

b) Loosen Screw "A."

c) Insert Bevel Adjusting Tool "B" into Washer "C" and rotate Washer to increase or decrease blade bevel width. Note arrow on washer and edge width indicator on Band Plate Carrier (A374).

d) Tighten Screw "A."

e) Bevel on opposite side is adjusted in same manner.

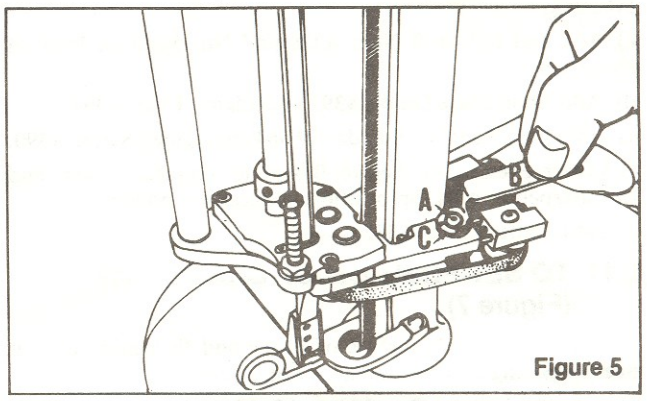


Figure 5

2.8 MAINTENANCE SCHEDULE

a) Daily: Fill oil cups (A547). Use either Maimin oil or quality "30 weight" oil (I.S.O. viscosity grade 320).

b) Weekly:

(1) Sharpener — run to lowest position, turn off motor, and blow out lint and dust with compressed air.

(2) Motor — run motor, and point stream of compressed air into back of motor and side of front housing by fan to eject lint and dust.

c) Every 500 hours of operation:
Remove motor cover and, with compressed air, blow lint and dust from motor coils and armature.

2.9 TO REMOVE SHARPENER FROM MACHINE (Figure 6)

a) Run sharpener to lowest position, turn off motor and disconnect power.

b) Figure 6: Disengage Tripper Handle "A" by inserting handle of Knife Key "B" through hole in lower cover and pressing upwards until Tripper Handle snaps back to its "off" position.

c) Remove Screw A390 holding Clamp Plate A394 against Band Plate Guide A393 and remove Guide and Plate.

d) With 3/8" wrench remove 2 Nuts A344 and 2 Washers A343 holding Brake A342, and remove Brake.

e) Remove Screw A316 holding Shafts Cover A315, and lift off Cover.

f) Remove 3 Nuts A328 and 1 Nut 510B (at lower left rear corner of sharpener) which hold Drive Housing A327.

g) Pull sharpener forward gently to remove.

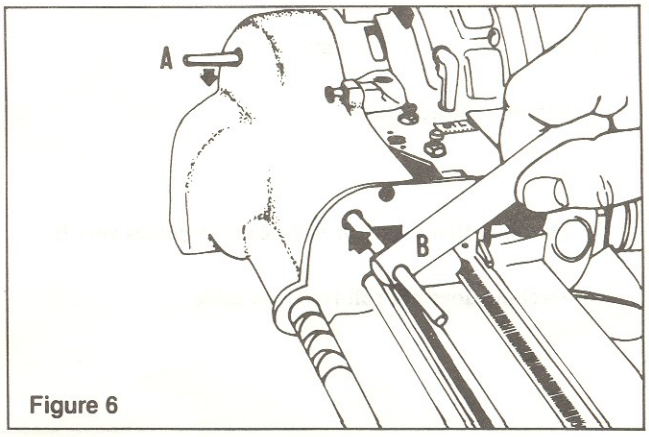


Figure 6

2.10 TO ATTACH SHARPENER TO MACHINE

a) Wipe oil from outer diameter of Crank A505 and Pulley A303.

b) Place sharpener onto 3 mounting Screws A521 on Front Housing.

c) Add and tighten 3 Nuts A328 and Nut 510B on back of sharpener.

d) Add Band Plate Guide A393 and Clamp Plate A394.

e) Hold Guide against Standard A564 and tighten Screw A390.

f) Lower Presserfoot Leg to Baseplate, connect power, and run sharpener to its top position. Disconnect power.

g) Add Shafts Cover A315.

2.11 TO SET POSITION OF BRAKE A342 (Figure 7)

a) Wipe clean inside surface of Brake and fit it into position over mounting Screws on back of Sharpener.

b) Add Washers A343 and Nuts A344 loosely.

c) Slide Brake in until it touches Pulley A303. Hold it in this position and tighten the two Nuts A344.

d) Connect power, run sharpener once.

e) Fig. 7: Check clearance between lower Cover "A" and top of Gear Case "B." Maximum distance is 25/32" (2 cm) when Brake is properly installed. If distance is greater, reset Brake as Presserfoot Leg A403 will not operate. FlexiBands A386 must not touch Blade A574.

2.12 TO REMOVE MOTOR COVER A579 (Figure 8)

Disconnect Power. Loosen the 3 Screws A580, and slide Motor Cover off.

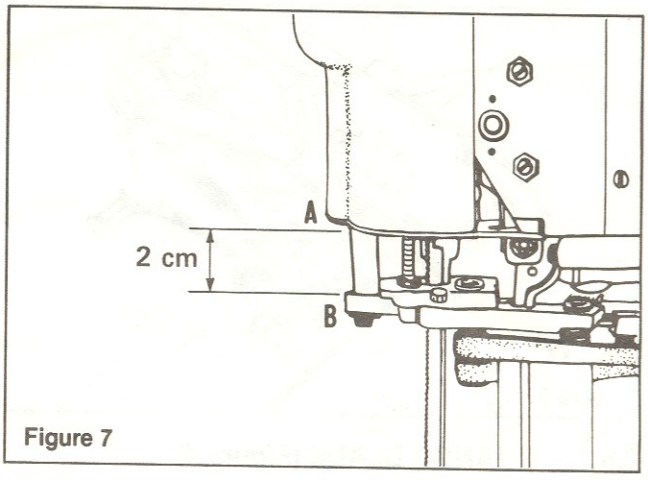


Figure 7

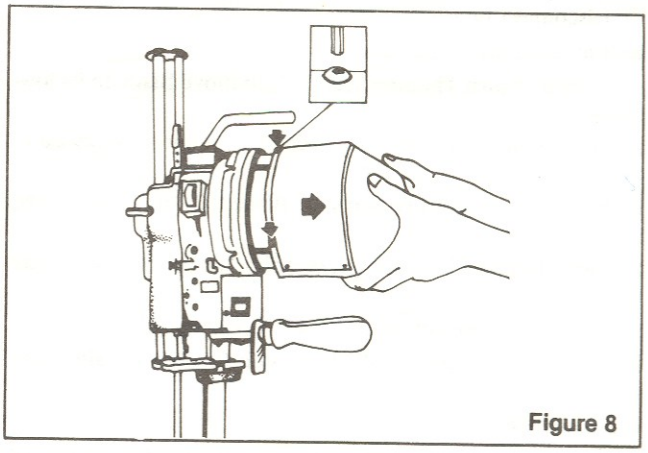


Figure 8

III. TROUBLE SHOOTING GUIDE

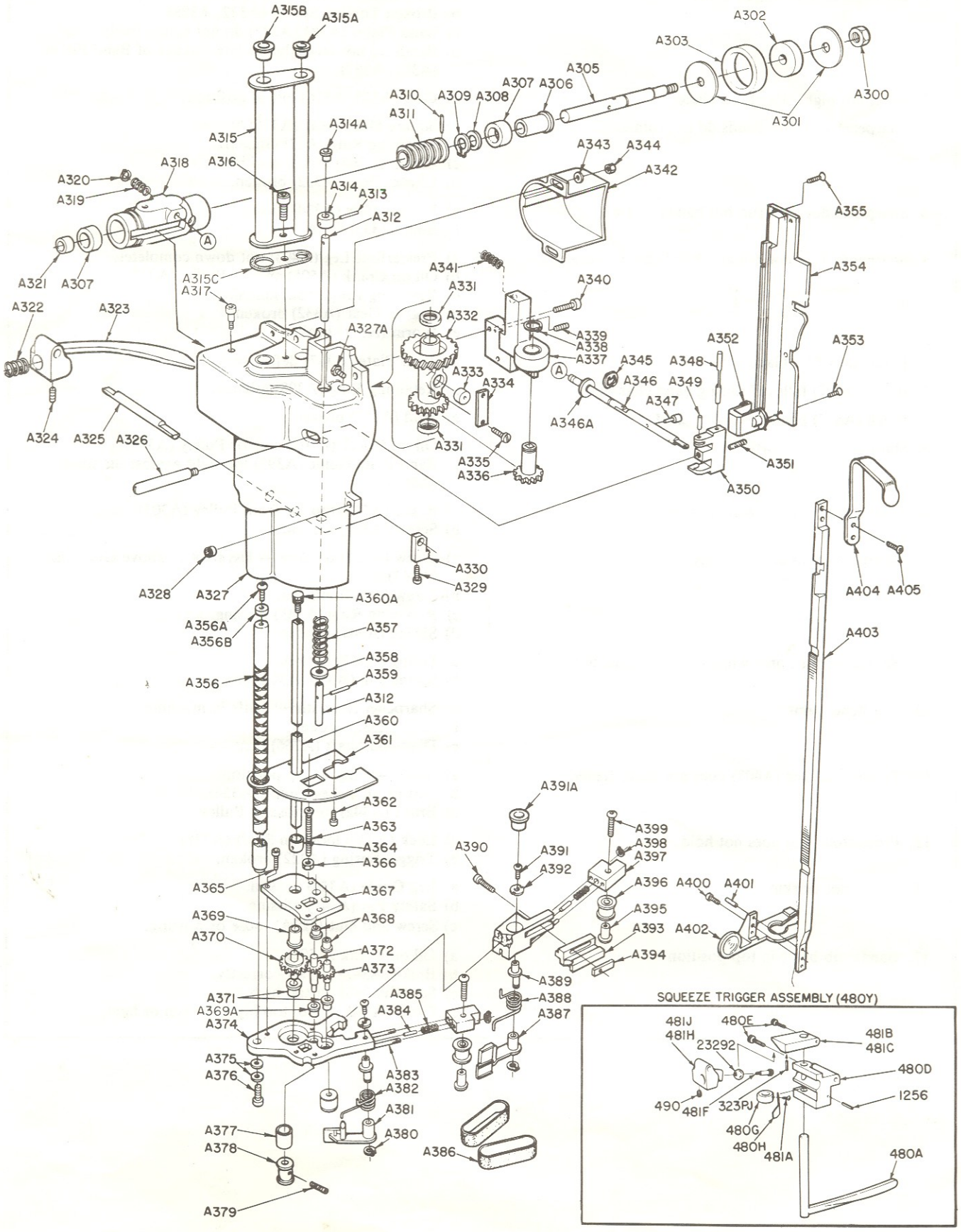
3.1 MACHINE TROUBLE SHOOTING

Symptom	Possible Cause
1. Bottom corner of blade breaks.	a) Inserts (A558) badly worn. b) Knife strikes throat plate. If cutting hard materials, use wide slot throat plate.
2. Motor slow in reaching full speed.	a) Low voltage or wrong voltage. b) Three phase: (1) Fuse out on one phase. (2) Ground wire incorrectly connected to machine.
3. Motor binds at one spot.	a) Crosshead (A510) and Gibbs (A513) tight. b) Standard (A564) not in alignment with Crosshead (A510). c) Standard (A564) bent.
4. Motor becomes hot.	a) Lint and dust inside Motor Cover (A579). b) Three phase: one phase not working.
5. Motor rotates wrong way.	a) Three phase: Wiring incorrect. Change any two wires in Terminal Block (A522) or Connector (A525).
6. Motor does not start.	a) Connector (A525) not firmly attached to Terminal Pins (A523). b) Switch (A550) defective. c) Relay (A540) and/or Capacitor (A543) defective.
7. Terminal Block and/or Connector becomes very hot.	a) Inserts in Connector (A525) worn. Change Connector. b) Terminal Pins (A523) worn.
8. Machine does not roll freely on table.	a) Rollers in Roller Carrier (A562) packed with dirt. Clean but do not oil. b) Surface of cutting table not smooth. c) Cushions (A561) in Roller Carriers compressed causing Baseplate (A560) to drag on table.

3.2 SHARPENER TROUBLE SHOOTING

Symptom	Possible Cause
1. No bevel on one side of blade.	a) Idler Pulley (A396) needs oil. b) Broken Torsion Spring (A382, A388). c) Band Plates (A381, A387) do not rotate freely. d) Bands do not cross due to interference of Band Plates (A381, A387).
2. Bevel not high enough on blade.	a) Cam (A515, A516) out of position.
3. Sharpener runs but bands do not rotate.	a) Square Shaft Gear (A336) broken. b) Retaining Ring (A338) missing. c) Clamp (A364) out of position. d) Cluster Gear (A332) broken.
4. Sharpener does not run but bands rotate.	a) Keeper Plate (A334) loose. b) Boat (A333) worn.
5. Sharpener does not run and bands do not rotate.	a) Presserfoot Leg (A403) not down completely. b) Oil on Crank (A505) and/or Pulley (A303). c) Retaining Ring (A320) missing. d) Cluster Gear (A332) broken. e) Worm (A311) broken.
6. Band cut off by blade.	a) Band Plate (A387) defective.
7. Block (A397) falls off during band changing.	a) Retaining Ring (A398) missing.
8. Block (A397) pivots, twisting band.	a) Stud (A383) broken.
9. Sharpener runs slowly.	a) Oil on Crank (A505) and/or Pulley (A303). b) Band Plate Guide (A393) too tight against Standard (A564).
10. Sharpener overruns top position.	a) Brake (A342) too far from Pulley (A303). b) Screw (A363) too low.
11. Sharpener runs continuously.	a) Screw (A363) too low — less than 1" above Gear Case (A367). b) Screw (A363) missing. c) Retaining Ring (A345) missing. d) Spring (A341) broken.
12. Sharpener runs only when tripper handle is held.	a) Spring (A357) broken. b) Spring Pin (A359, A313) broken.
13. Sharpener jams.	a) Sharpener run without knife in machine. b) Boat (A333) broken. c) Diamond Shaft (A356) bent.
14. Presserfoot Leg (A403) does not move freely.	a) Sharpener not at top position. b) Dirt or oil in Leg Guide (A354). c) Brake (A342) too close to Pulley.
15. Presserfoot Leg does not hold.	a) Lock (A330) loose on Shaft (A325). b) Trigger Spring (A322) broken.
16. Safety not working.	a) Leg Guide (A354) broken. b) Safety Pin (A347) missing. c) Screw and Nut (327A) loose or missing.
17. Bands rub blade in top position	a) Oil on Crank (A505). b) Brake (A342) not set correctly. c) Screw (A363) set too high. d) Cams (A515, A516) too high, broken or bent.

MODEL A SHARPENER

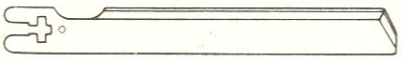
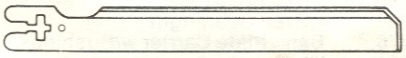
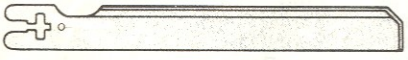
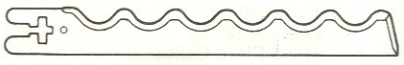


PARTS LIST

KEY NO.	PART NO.	DESCRIPTION
A300	838N	Nut, 1/4-20 Hex
A301	23298	Washer .250 × 1.500 × .06 (2)
A302	23299	Pulley Wheel (1)
A303	1498	Pulley only
A305	23196	Worm Shaft
A306	23231	Bearing, flanged .314 × .439 × 3/4
A307	23232	End Cap
A308	839W	Washer, .32 × 1/2 × 1/32
A309	23234	Retaining Ring, 5100-31
A310	23066	Spring Pin, 7/64 × 1/2
A311	23067	Worm
A312	23036	Push Rod
A313	23267	Spring Pin, 1/16 × 3/8
A314	23005	Cam
A314A	402BK	Tapered Plug #12
A315	23229A	Shafts Cover, 6″, 8″
	23229B	Shafts Cover, 9″
	23229C	Shafts Cover, 10″, 11″
	23229D	Shafts Cover, 14″
A315A	402BF	Tapered Plug #9
A315B	402BJ	Tapered Plug #16
A315C	23302	14″ Shafts Cover Gasket (1)
A316	23056	Screw, 1/4 × 1/2 Socket Cap
A317	481F	Screw, 1/4 × 3/8 Shoulder (2)
A318	23192	Cartridge w/Worm & Pulley
	23193	Cartridge only
A319	23017	Spring
A320	23219	Retaining Ring, 5555-23
A321	23233	Bearing .314 × .44 × 1/2
A322	492	Trigger Spring
A323	23047	Presserfoot Handle
A324	490	Screw, 5/16 × 3/8 Set
A325	23049	Shaft
A326	23053	Tripper Handle
A327	23274	Drive Housing with Bushings
A327A	510A	Screw, 10 x 1/2 Socket Set Cup
	510B	Nut, 10-32 Hex
A328	23252	Nut, 10-32 Socket (3)
A329	23271	Screw, 8 × 5/8 Socket Hd. Cap
A330	23050	Lock
A331	23243	Cup
A332	23189	Cluster Gear
A333	23119	Boat
A334	23120	Keeper Plate
A335	23259	Screw, 6 × 1/4 (2)
A336	23203	Square Shaft Gear
A337	23273	Gear Block with Bushings
A338	1277	Retaining Ring, 5108-50
A339	23251	Screw, 10 × 3/4 Slot Set Flat Pt.
A340	23019	Screw, 6 × 5/8 Socket Cap (2)
A341	23031	Spring
A342	23200	Brake
A343	23007	Washer, 13/64 × 7/16 × 1/32 (2)
A344	510B	Nut, 10-32 Hex (2)
A345	23016	Retaining Ring, 5144-25
A346	23284	Link Assembly w/23283
A346A	23289	Washer, .257 x 9/16 x 1/32
A347	23283	Safety Pin
A348	23011	Pin
A349	23013	Spring Pin, 3/32 × 5/16
A350	23190	Tripper
A351	23054	Screw, 6 × 1/8 Socket Set Cup
A352	23205	Leg Keeper
A353	23258	Screw, 4 × 3/8 (2)
A354	23207	Leg Guide
A355	23122	Screw, 6 × 1/4 Button Hd. Socket Cap (4)
A356	23093A-Y	Diamond Shaft Assy (give size & stroke)
A356A	23286	Screw, 10 × 1/2 Button Hd. Soc. Cap 11″ & 14″ Machines Only
A356B	23287	Washer, Nylon, 11″ & 14″ Machines Only
A357	23008	Spring
A358	23007	Washer, 13/64 × 7/16 × 1/32
A359	23267	Spring Pin, 1/16 × 3/8
A360	23211A	Square Shaft, 6″, 8″
	23211B	Square Shaft, 9″
	23211C	Square Shaft, 10″, 11″
	23211D	Square Shaft, 14″
A360A	23277	Screw, 6 x 3/8 Knurled Nylon
A361	23244	Cover
A362	23226	Screw, 6 × 1/4 Socket Hd. Cap (2)
A363	23290	Screw, 10 x 1-1/2 Fillister Hd.
A364	23212	Clamp w/23263
	23263	Screw, 10 × 1/2 Slot Set Flat Pt.
A365	824T	Screw, 6 × 3/8 Socket Cap (4)
A366	510B	Nut, 10-32 Hex
A367	23275	Gear Case with Bushings
A368	23086	Bearing, flanged .252 × .377 × 1/4
A369	23091	Bearing, flanged .252 × .377 × 1/2
A369A	23091A	Bearing, Left Driven Gear
A370	23210	Drive Gear
A371	23086	Bearing, flanged .252 × .377 × 1/4
A372	23208	Driven Gear, left
A373	23209	Driven Gear, right
A374	23276	Band Plate Carrier w/Bushings
A375	23261	Washer, 3/16 × 1/2 × 3/64
A376	23084	Screw, 10 × 1/2 Socket Hd. Cap
A377	23098	Rubber Tire (2)
A378	23099	Drive Pulley (2)
A379	23097	Screw, 4 × 1/8 Soc. Set Flat Pt. (2)
A380	23227	Retaining Ring 5100-25 (2)
A381	23165	Band Plate, right
A382	23110	Spring, Torsion, right
A383	23115	Stud, 1/8 × 1-1/8 (4)
A384	23116	Spring Pin, 3/32 × 1/4 (2)
A385	23117	Spring (2)
A386	1450	FlexiBand, Coarse — 100/box
	1451	FlexiBand, Medium — 100/box
	1452	FlexiBand, Fine — 100/box
A387	23164	Band Plate, left
A388	23109	Spring, Torsion, left
A389	23223	Eccentric Stud (2)
A390	23019	Screw, 6 × 5/8 Socket Cap
A391	23122	Screw, 6 × 1/4 Button Hd (2)
A391A	402BH	Tapered Plug #14
A392	23225	Washer (2)
A393	23250	Band Plate Guide, 6″, 8″
	23272	Band Plate Guide, 9″, 10″, 11″
	23282	Band Plate Guide, 14″
A394	23249	Clamp Plate
A395	23114	Stud, Idler Pulley (2)
A396	23293	Pulley, Idler, w/Bushing (2)
A397	23111	Block (2)
A398	23288	Retaining Ring, 5144-12 (2)
A399	23112	Screw, 8 × 1/2 Button Hd. (2)
A400	23172	Screw, 4 × 1/4 Socket Hd. Cap
A401	23116	Spring Pin, 3/32 × 1/4 (2)
A402	23040	Presserfoot, 6″, 8″
	23040A	Presserfoot, 9″, 10″, 11″
	23040B	Presserfoot, 14″
A403	23039B	Presserfoot Leg — 6″
	23039D	Presserfoot Leg — 8″
	23039E	Presserfoot Leg — 9″
	23039H	Presserfoot Leg — 10″
	23039F	Presserfoot Leg — 11″
	23039G	Presserfoot Leg — 14″
A404	824	Presserfoot Lift
A405	23122	Screw, 6 × 1/4 Button Hd. (2)
		SQUEEZE TRIGGER ASSEMBLY
	323PJ	Pin
	480A	Handle Assembly
	480D	Bracket
	480E	Screw, 10 × 5/8 Socket Cap
	480G	Collar w/481A and 480H
	480H	Spring
	480Y	Squeeze Trigger Assy w/480D and 481J
	481A	Screw, 6 × 1/8 Round Hd.
	481B	Cam w/ 480E and 323PJ
	481C	Cam
	481J	Presserfoot Lever w/490
	481H	Presserfoot Lever
	481F	Screw, 1/4 × 3/8 Shoulder
	490	Screw, 5/16 × 3/8 Set
	1256	Spring Pin, 3/32 × 1/2
	23292	Ball, 5/8

Always Give Machine **SERIAL NUMBER** When Ordering Parts.
Order By **PART NUMBER** — Not Key Number

BLADES AVAILABLE

Shape & Application	Grade	Quantity	Size & Part Number					
			6″	8″	9″	10″	11″	14″
REGULAR  For general purpose cutting	BK	Dozen	30012	30014	30015	—	—	—
	ZK	Each	30044	30048	30050	—	—	—
		Dozen	30045	30049	30051	—	—	—
LONG  For hard or loosely woven materials, and general purpose cutting	ZKL	Each	30084	30088	30090	30098	30092	30094
		Dozen	30085	30089	30091	30099	30093	30095
	TK	Each	30344	30348	30350	—	30352	30354
		Dozen	30345	30349	30351	—	30353	30355
TEFLON COATED  For synthetics	ZKL	Each	30100	30102	30104	—	—	—
		Dozen	30101	30103	30105	—	—	—
WAVE  For synthetics and plastics	BK	Each	30154	30158	—	—	—	—
		Dozen	30155	30159	—	—	—	—
	ZK	Each	30174	30178	—	—	—	—
		Dozen	30175	30179	—	—	—	—

Note: There is a different part number for single blades and boxes of one dozen (12).
PLEASE ORDER BY PART NUMBER

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