

**E-Z CUT INC.**  
**OPERATOR'S MANUAL**  
**MODEL MK-III**

Dear Customer,

Congratulations on the purchase of your E-Z Cut carpet and vinyl cutting system. This E-Z Cut machine has been carefully designed and constructed to provide you with many years of dependable service, and has been built to meet or exceed current CSA standards. With proper care in operating and maintenance, this machine will ensure that all your cut lengths and orders are processed more efficiently.

To ensure yourself of the utmost value and performance from your purchase, please read this manual carefully to be sure that your machine is operated correctly. Be thorough when going through the instructions so that you are aware of the exact operation of all controls and procedures prior to employing the machine.

This manual provides you with step-by-step operation, normal care, troubleshooting, and adjustment procedures for your cutting machine. However, if help is needed or if any of these procedures are unclear, please do not hesitate to contact us at E-Z Cut Inc.

**E-Z CUT INC.**



# SAFETY RULES

## General

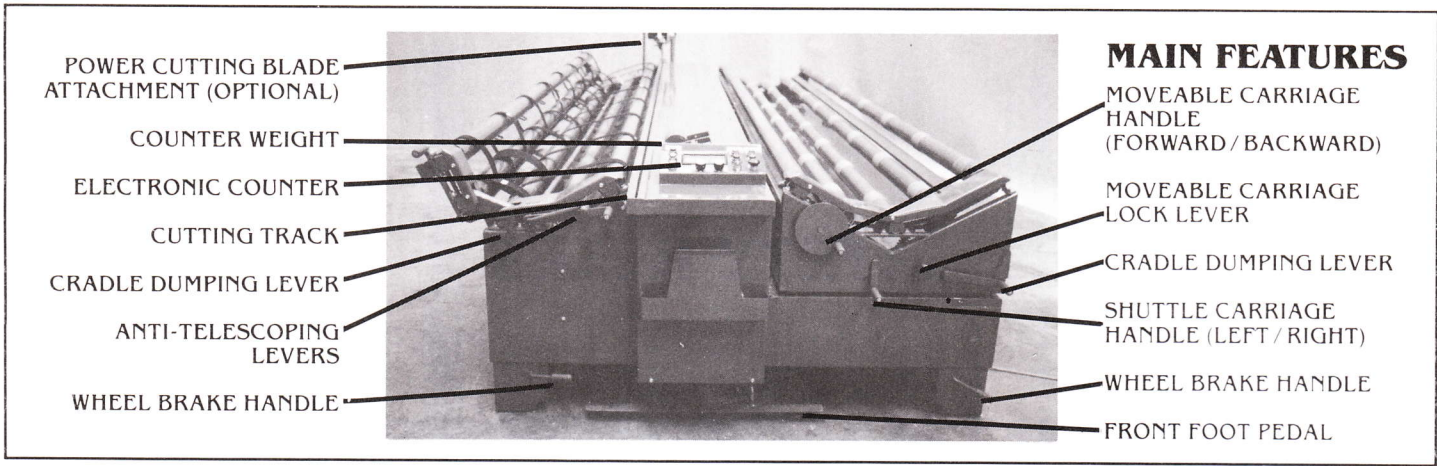
1. Read the operator's manual carefully and ensure that you are familiar with the controls and the proper use of the equipment.
2. Never allow children to operate the machine, and only properly trained personnel who are familiar with the machine should use it.
3. Keep the area of operation clear of all persons and potential hazards.

## OPERATING PROCEDURES

The following is the cutting machine's operating procedures. If you experience any difficulties or problems, please refer to the troubleshooting chart at the back of this manual before proceeding any further.

The procedures in this section are set up for a normal sequence of operations. The arrangement is intended primarily to acquaint you with the fundamental operating procedures to ensure the safe and efficient operation of your cutting machine.

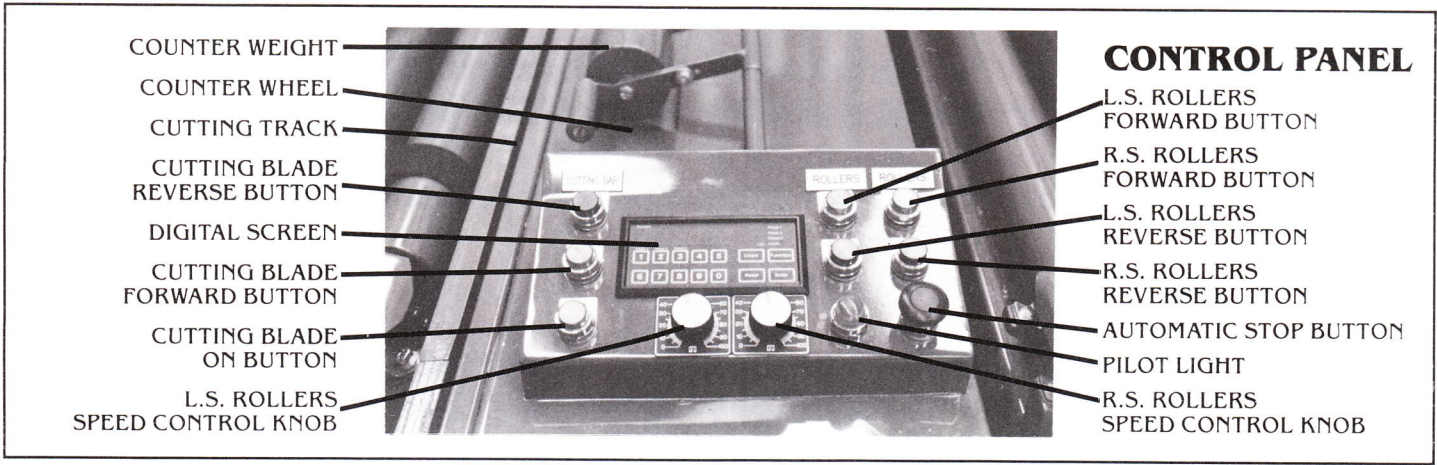
**WARNING:** An extension cord, model no. 14/2 GA, is provided with your cutting machine. Should it become damaged or need replacement, be sure that the same model type is used in its place, as the motor could be damaged if an improper extension cord is employed.



**MAIN FEATURES**

- POWER CUTTING BLADE ATTACHMENT (OPTIONAL)
- COUNTER WEIGHT
- ELECTRONIC COUNTER
- CUTTING TRACK
- CRADLE DUMPING LEVER
- ANTI-TELESCOPING LEVERS
- WHEEL BRAKE HANDLE

- MOVEABLE CARRIAGE HANDLE (FORWARD / BACKWARD)
- MOVEABLE CARRIAGE LOCK LEVER
- CRADLE DUMPING LEVER
- SHUTTLE CARRIAGE HANDLE (LEFT / RIGHT)
- WHEEL BRAKE HANDLE
- FRONT FOOT PEDAL



**CONTROL PANEL**

- COUNTER WEIGHT
- COUNTER WHEEL
- CUTTING TRACK
- CUTTING BLADE REVERSE BUTTON
- DIGITAL SCREEN
- CUTTING BLADE FORWARD BUTTON
- CUTTING BLADE ON BUTTON
- L.S. ROLLERS SPEED CONTROL KNOB

- L.S. ROLLERS FORWARD BUTTON
- R.S. ROLLERS FORWARD BUTTON
- L.S. ROLLERS REVERSE BUTTON
- R.S. ROLLERS REVERSE BUTTON
- AUTOMATIC STOP BUTTON
- PILOT LIGHT
- R.S. ROLLERS SPEED CONTROL KNOB

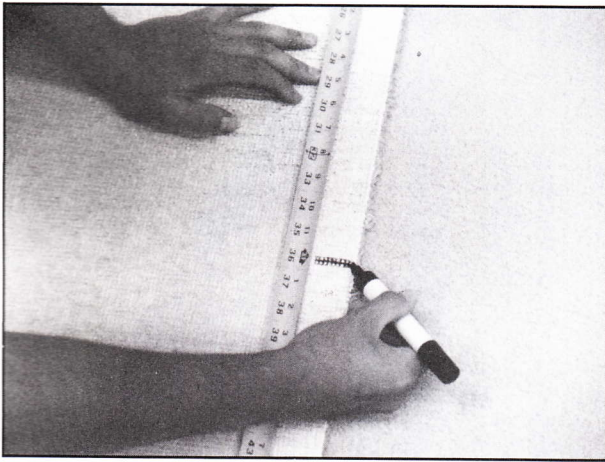
Once the machine has arrived and crating has been removed, give your machine a complete wiping and dusting to remove any pieces of wood or plastic that still might remain after uncrating.



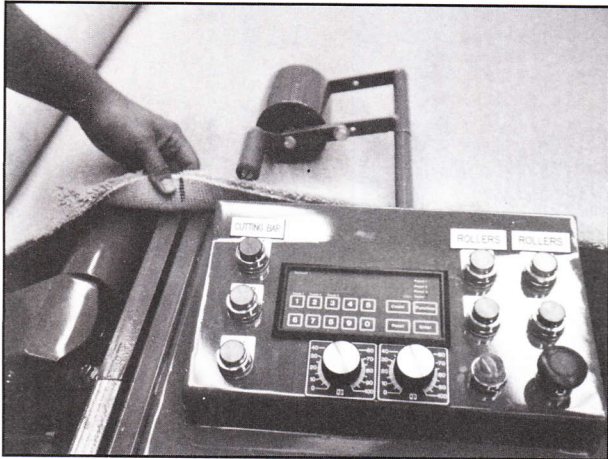
Ensure foot pedal/bars are properly installed.

Plug the machine into the power source and familiarize yourself with the various components and switches at the control end of the machine. Experiment with these controls before loading on a roll so you become better acquainted with the machine and what it can actually do.





Prior to loading the machine, roll out a piece of carpet approximately 20 to 25 feet long, and measure its exact length. Using a marker or pen, make a mark on the carpet's backing every three feet. Roll up the carpet and place it on the right side cradle (loading side).

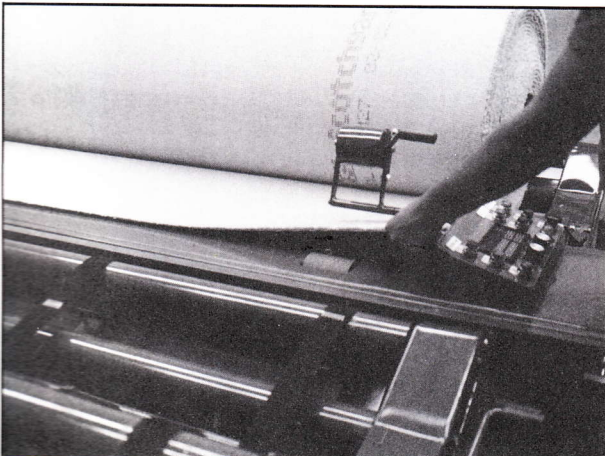


**NOTE:** This will allow you to detect any COUNTER discrepancies (if any) when you begin to roll up and measure your carpet. If you stop the machine every three feet as indicated by the COUNTER, the mark you made on the backing should be lined up with the CUTTING TRACK.

**OKAY:** Now you are ready for your first test. Don't expect to be an expert after this initial attempt, as it takes patience and practice just like anything else. One full hour of experimentation is recommended for all users in order to get "the hang" of the machine, and a better feel for the foot pedals.

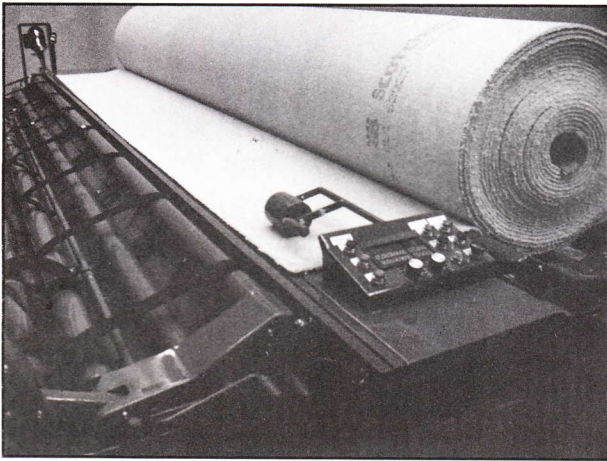
When you place the roll on the machine, ensure that the feed is coming from the bottom towards the counter. Advance the carpet forward with the FORWARD/REVERSE SWITCH.

**NOTE:** For best results, the roll of carpet should be rolled up fairly tight. To tighten a loose roll of carpet, roll it in REVERSE for two or three full rotations until it tightens up.



As the carpet rolls toward the left side cradle, raise the COUNTER WEIGHT and guide the carpet underneath it.





Stop the carpet on the edge of the cutting track. Gently lower the COUNTER WEIGHT back down on to the carpet.



Reset counter to "0" (zero). Now you are ready for the counting and re-rolling process to begin.

## DIRECTIONS FOR CONTROL PANEL (above picture)

### PROGRAMMING COUNTER SERIES 5886 1

Preset 3 — How to program desired length of cut. Desired length of cut is programmed into Preset 3.

1. Press  .
2. Press  .
3. Press  .
4. Select the desired number of feet.
5. Press  .
6. Press  .

Preset 2 — In the pre warn mode the machine will switch into the slow speed mode when the counter coincides with Preset 3 minus Preset 2 value. Example: If Preset 3 is set at 20 feet and Preset 2 is set at .50 feet, the machine will switch to slow speed at 19.50 feet.

**NOTE:** Preset 2 is set at .50 feet at the factory.

### Calibrating Counter

1. Press  .
2. Press  .
3. Press button under dash (right side) and hold.
4. Press  .
5. Select the desired scale factor.
6. Press  .
7. Press  .

**NOTE:** The smaller the scale factor value is the more carpet for the customer.

### THE HIGH SPEED MODE

The knobs for variable high speed are located directly below the counter. The left knob controls the speed for the left side rollers. The right knob controls the right side rollers. The plates are graduated from 0-100. At "0" the machine will not run at all. At "100" the machine runs at full speed.

The speed ratio between left rollers and right rollers is adjusted by holding one of the speed knobs and rotating the other one. In the forward position, the left side rollers should be running a little bit faster than the right side. When running the machine in reverse, the right side rollers should be running slightly faster than the left side.

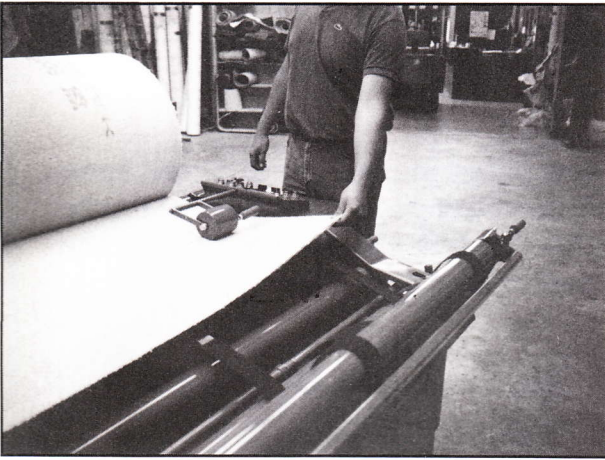
It is important to have the right speed ratio so that an accurate count will be registered. The proper speed ratio will keep the carpet flat or tight over the table. If the carpet is bunching on the table, the speed ratio is incorrect.

### THE SLOW SPEED MODE

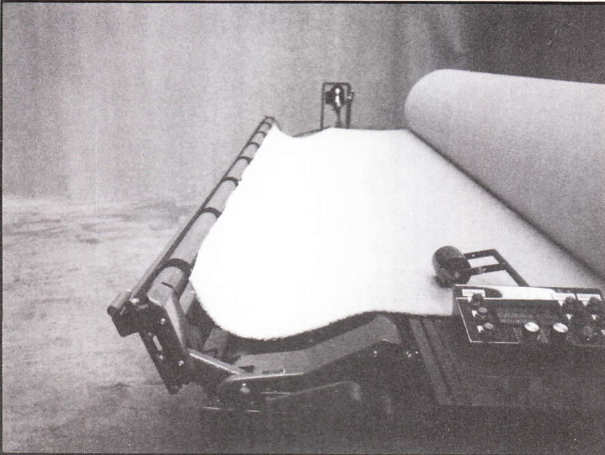
This slow speed and ratio has been preset by the factory and should not need to be adjusted.

The maximum time that the machine will remain in slow speed is 10 seconds. Upon reaching Preset 3 value, the machine will switch into high speed.

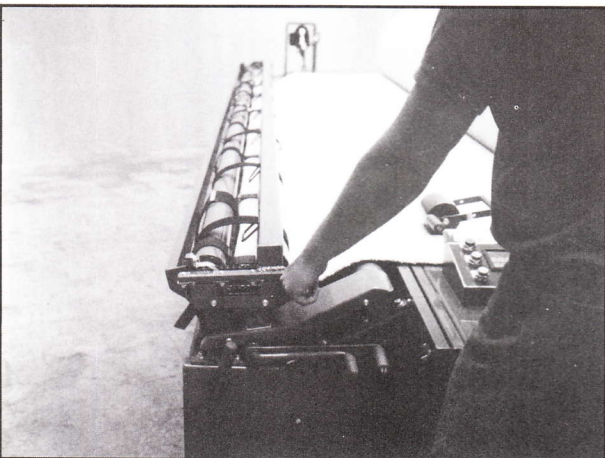




As you feed the flooring through, gently pull the edge of the carpet with your left hand.



Guide the flooring until it is flush with the centre of the last (top) roller on the left side cradle, and stop the flow at this point.

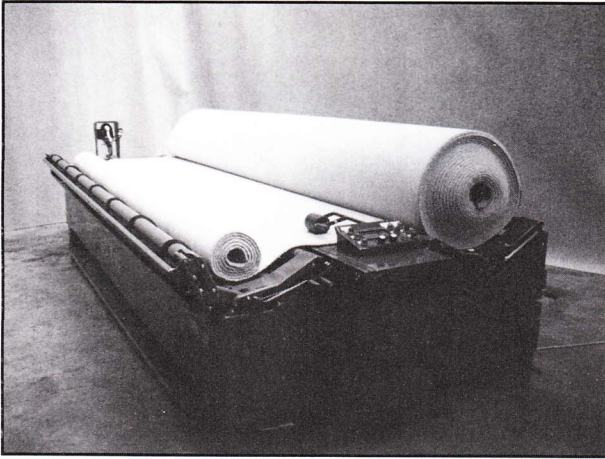


To get the roll started, curl up the left side cradle by pulling the handle towards you until the cradle has fully enclosed the carpet. (Note: You don't have to exert an extreme amount of pressure. Let the machine do the work.)



With the cradle in the curled-up position, step on the foot pedal again to begin rolling up the carpet. Hold the cradle for the first two or three feet. Now open the cradle to the half-closed position and hold it there for another two or three feet. With five or six feet rolled up, you can now return the cradle to its original position. (Note: The same process can be followed by using a cardboard core as well.) Continue to depress the foot pedal as the machine will switch to slow speed (.50') before it reaches "Preset 3". Upon reaching "Preset 3", the machine will shut off. If the machine runs past the desired length, press the blue reverse button and tap the foot pedal until the desired length is displayed on the screen.

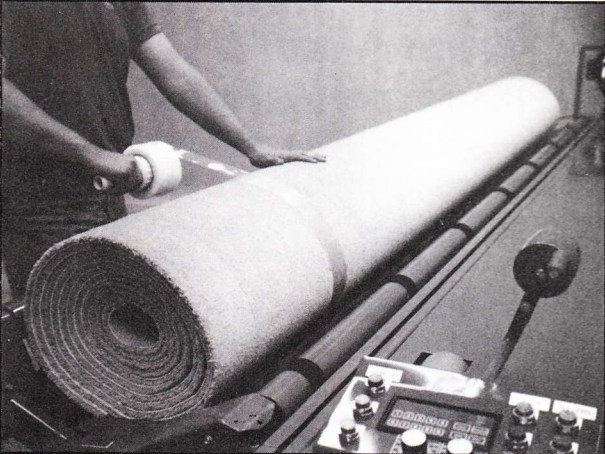




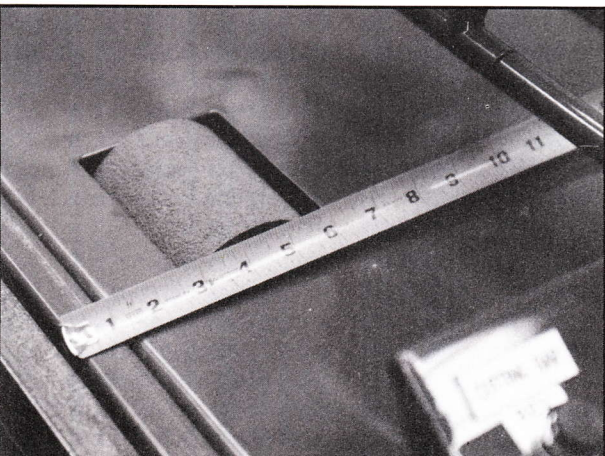
Now that the programmed length has been reached, you can now prepare for the cutting process.



To cut the flooring, turn the CUTTING BLADE on by depressing the green "ON" button. Press the green "FORWARD" button to send the blade across the table. Once fully cut, press the blue "REVERSE" button to return the blade to its original position, and turn the blade off by depressing the green "ON" button again.



To wrap or tape flooring, place stretchfilm under the edge of flooring that has been rolled. Depress foot bar along left side and let stretchfilm wrap itself around the roll of flooring. Three or four full turns should be sufficient.



**NOTE:** If you want to remeasure a full or partial roll, your must add 4" to the measurement shown on the counter. This compensates for the distance (4") between the counter roller and the cutting track.



# SUMMARY

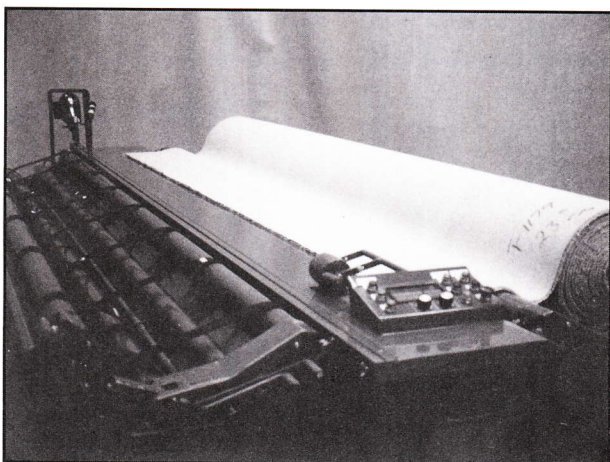
Once again, take your time and experiment with the machine until you feel comfortable operating it. Try rolling up and measuring different lengths of carpet as well as rolls of vinyl flooring.

## REVERSE ROLL PROCEDURE

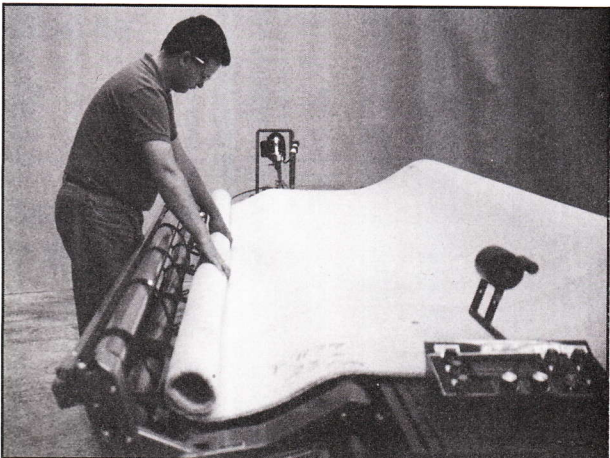
(PROCEDURE TO REVERSE ROLL CARPET PILE OUT)



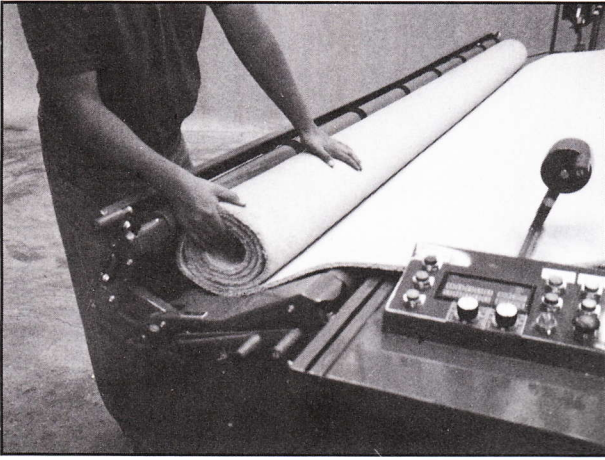
To reverse roll the carpet, switch the left side rollers to the forward position and the right side rollers to the reverse position.  
\*(Disregard the picture at left)



When loading carpet to be reverse rolled, ensure that the carpet feed is coming from the top with the backing facing up.



To begin the reverse roll procedure, you must position yourself along the left side, and with the aid of the foot bar, start it by hand. Be sure to raise the counter weight as well, to allow the carpet to pass through feely.

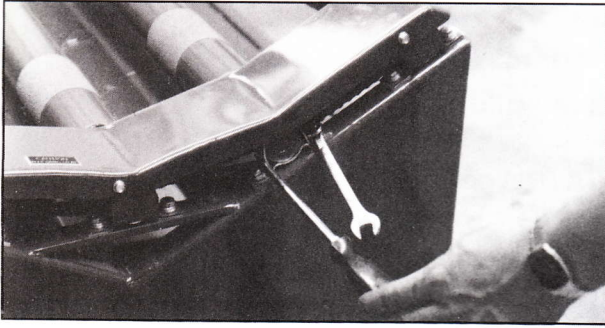


Once the roll has been started, you can manually prevent telescoping by keeping the end nearest to you flush.

**NOTE:** Accurate measurement of carpeting during the reverse roll procedure is not possible. This procedure is meant only to reverse the carpeting pile out, not for measuring. In order to correctly measure the carpeting this way, a separate TOP COUNTER would have to be attached to the COUNTER WEIGHT. Please contact an E-Z Cut representative if the situation arises where you would prefer to employ a TOP COUNTER.

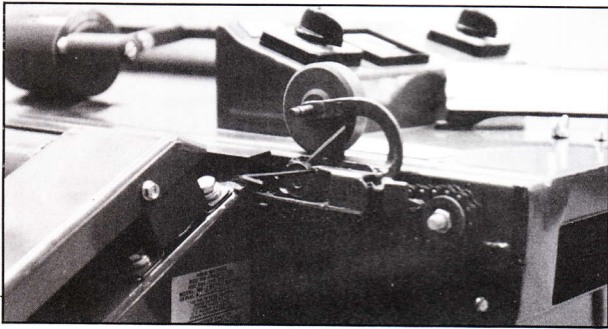


# MAINTENANCE



Loose Chains

- Chains between rollers. Tighten by shifting bearing holders over.
- Loosen bolts slightly, pry between bolt head and bearing holder, retighten bolts (9/16 wrench).
- Chains from drive gear box. Remove shims from under gearbox and/or slide gearbox to left or right. (11/16) socket).



Replacing Blades

- Remove cutting bar cover plate. Insert allen key and loosen off set screw.
- Replace blade.
- Tighten set screw. Do not overtighten.
- Replace cutting bar cover plate.

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## Loose belts

- Tighten by sliding motor over.

## Gearbox

- It is recommended to change the oil after first 85 hours, then every 2500 hours of operation.
- Oil level should be to the centre of sight gauge or between 2 1/2 to 4 1/2 inches from bottom of gearbox.
- Use a W80-90 gear oil.

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## Chains

- Apply grease lightly to chains when chains and sprockets appear dry and shiny.

**NOTE:** Never apply oil or WD40 to cutter chain.

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## Reverse roll & right clutch

- Apply grease to roll pin area as well as shifting fork and ring. There should be a light film of grease on these areas at all times. (Special grease supplied with machine).

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## Cutting track

- Keep clean by blowing out or vacuuming daily.

# TROUBLE SHOOTING

## PROBLEM

## SOLUTIONS

**Machine will not run at all.**

- A. Check extension cord connections.
- B. Check electrical panel in building.

**Only cutter drive or only roller drive motor runs.**

- A. Push reset button on motor not running.
- B. Try both forward and reverse, if it works one direction only, then switch may be defective.

**Foot pedals: None of the foot pedals switch machine on.**

- A. Make sure roller switch is in the forward or reverse position.
- B. Check for a clicking sound coming from below dash of machine.
- C. If there is a clicking sound, check reset button on roller drive motor.
- D. If no clicking sound, but rather a loud buzzing sound or no sound at all, then check relay (unplug machine). Remove cover. Visually inspect for good connection of wires on relay.
- E. Clean off any metal fibres and dirt from relay.

**Only one foot pedal not switching machine on or off.**

- A. Check for a clicking sound at foot pedal when pedal is pushed down and when it is released.
- B. If no clicking sound, adjust foot pedal by tightening spring and/or bending the flat lever activating switch button. (uses 9/16 wrench)

**Right clutch will not stop rollers.**

- A. Check if roll pin is still in place. If missing, replace with 1/4 × 5/8 roll pin.
- B. Adjust clutch by screwing adjusting bolt in further. (3/4" wrench)
- C. Apply grease.

**Blade holder stopping during operation.**

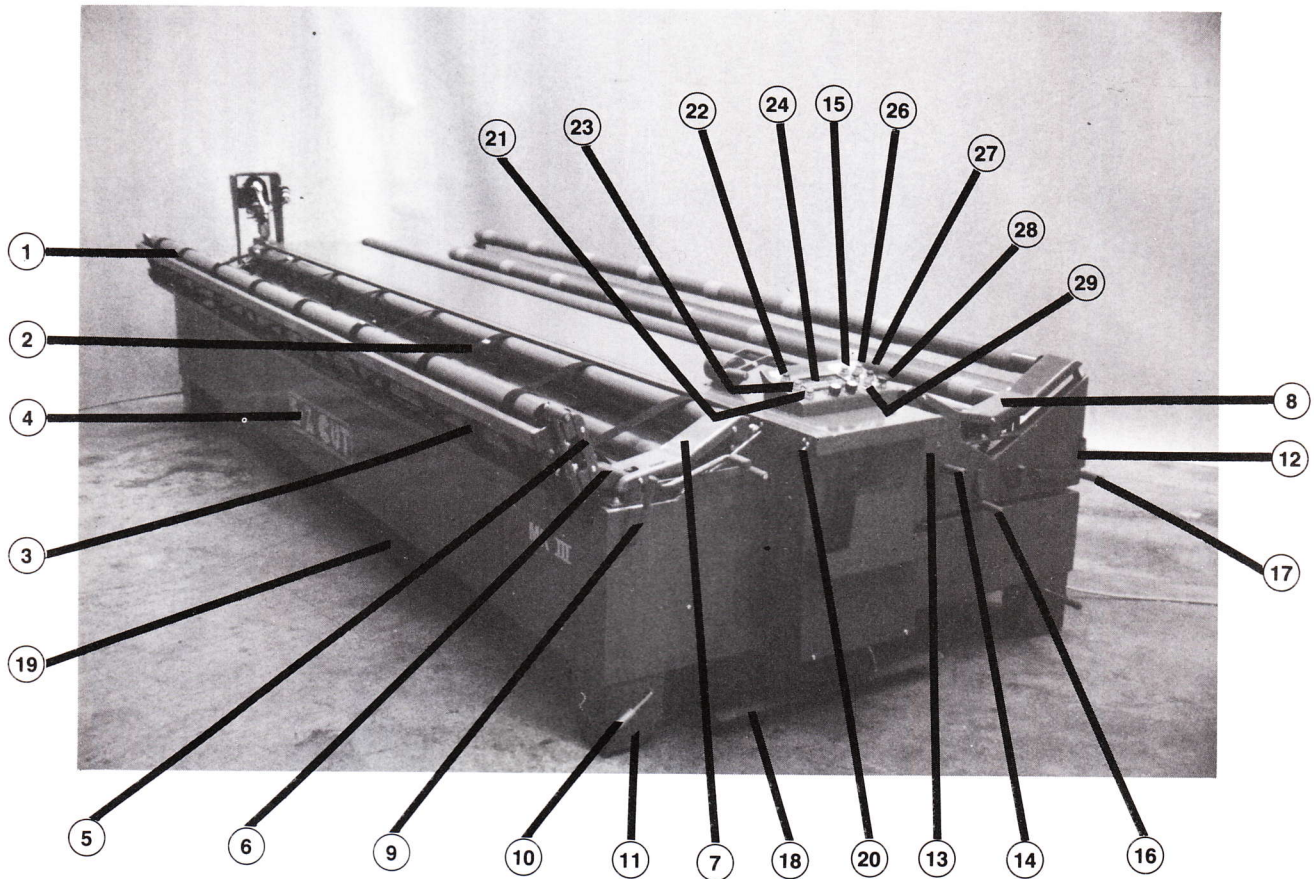
- A. Install new blade.
- B. If always stopping at same place, check that part of cutting track for debris and/or pry apart track slot to allow more space for blade holder.
- C. Tighten cutting drive belt by sliding gearbox ahead, loosen bolts, pry gearbox ahead. (uses 11/16 socket underneath)

**Reverse roll will not shift into gear.**

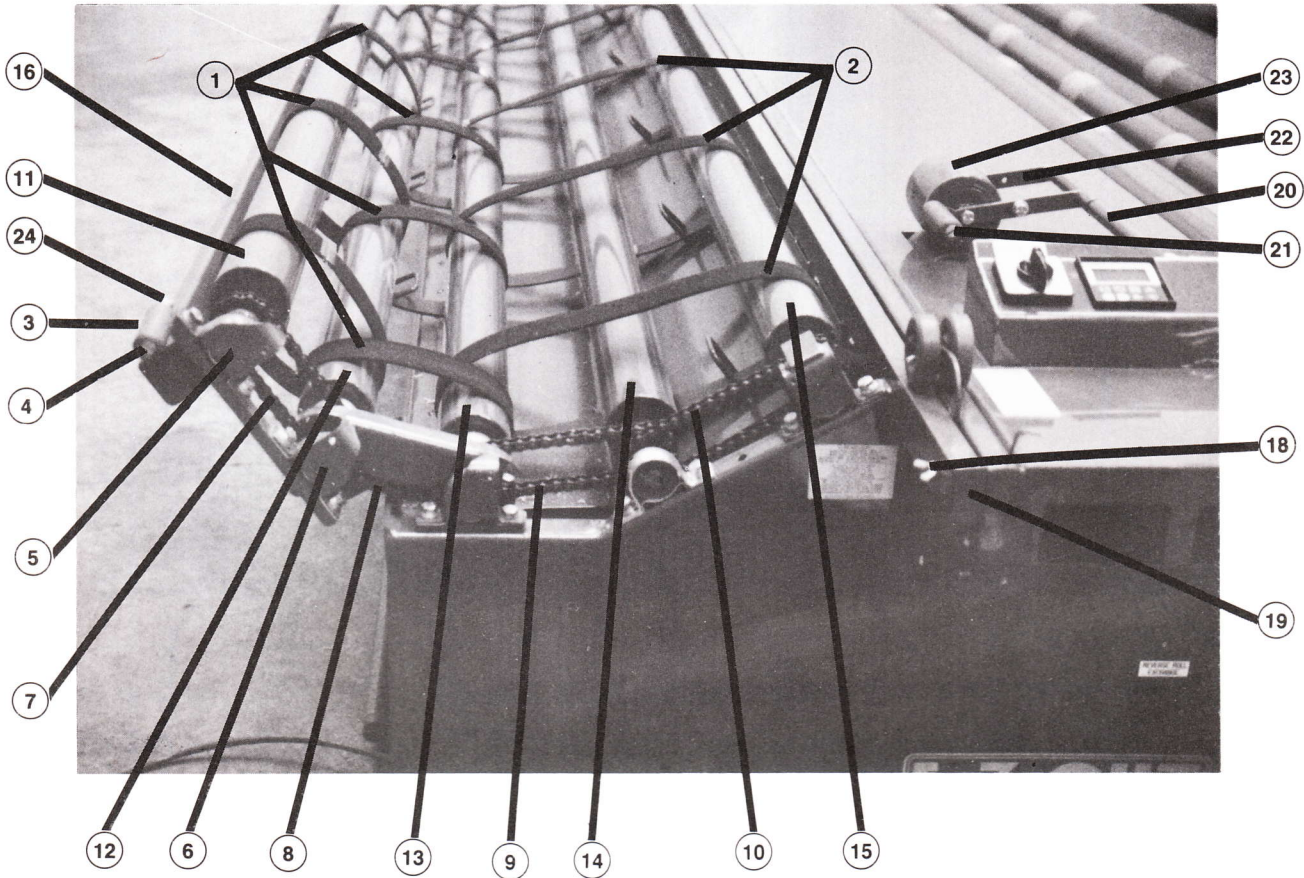
- A. Shift while machine is in operation.
- B. Adjust shifting fork by moving spring sleeves on shifter shaft. (uses 1/8 allen wrench)
- C. Apply grease to fork and ring and roll pin area.
- D. Check for missing roll pin. If missing, replace with 1/4 × 5/8 roll pin.



# MACHINE PARTS LIST

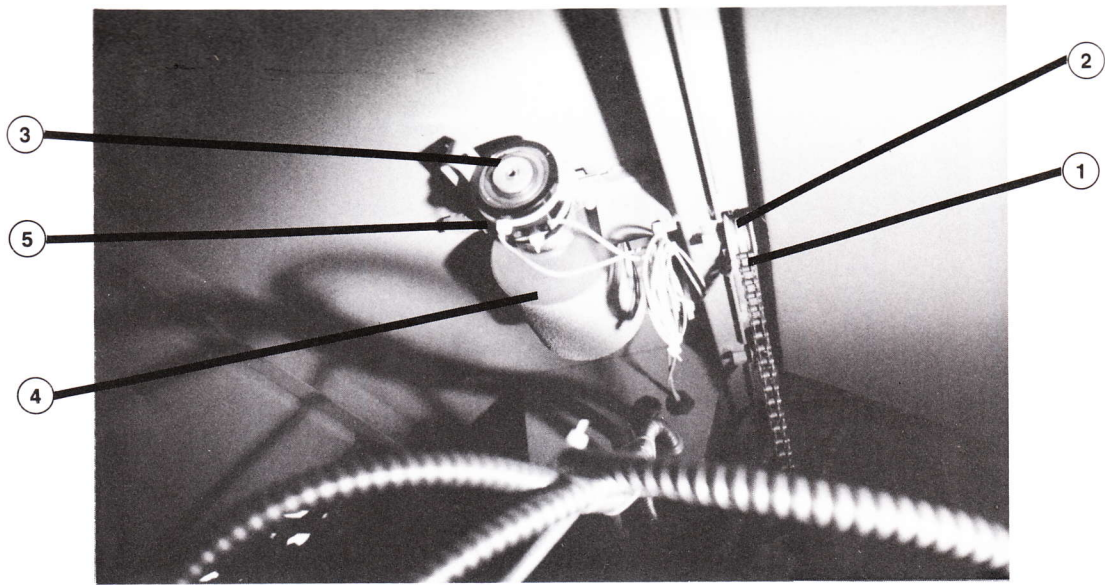


KEY	PART #	QTY.	DESCRIPTION	KEY	PART #	QTY.	DESCRIPTION
1	MRB2	14	2" x 21 3/4" belts	16	PFS2	1	Shuttle carriage handle
2	MRB1	8	2" x 37 3/4" belts	17	PFDHR	1	Right dump handle
3	MRB4	2	4" x 23 1/4" belts	18	EFFB	1	Front foot pedal
4	MD2	2	Large E-Z Cut decals	19	EFB	2	Side foot pedals
5	TC1	1	Chain guard	20	NNW38	1	3/8" wing nut
6	TC2	1	Chain guard	21	ESF-2	1	Illum "on" button
7	TC3	1	Chain guard	22	ESR-2	1	Illum J06 "reverse" button
8	TC4	1	Chain guard	23	ESF-2	1	Illum J06 "forward" button
9	PFDHL	1	Left dump handle	24	CEP2	1	Press series electronic counter
10	MCBB	4	Caster wheel brake handle	25	ESS2	2	Speed control pot
11	MCW	4	Caster wheels	26	ESF-2	2	Illum "forward" button
12	TMS5	1	Safety latch	27	ESR-2	2	Illum "reverse" button
13	TDW	1	RC wheel	28	ESMS	1	Mushroom stop button
14	PFHB	5	Handle with bolt	29	ESP-2	1	Pilot light
15		1	Left side rollers forward button				

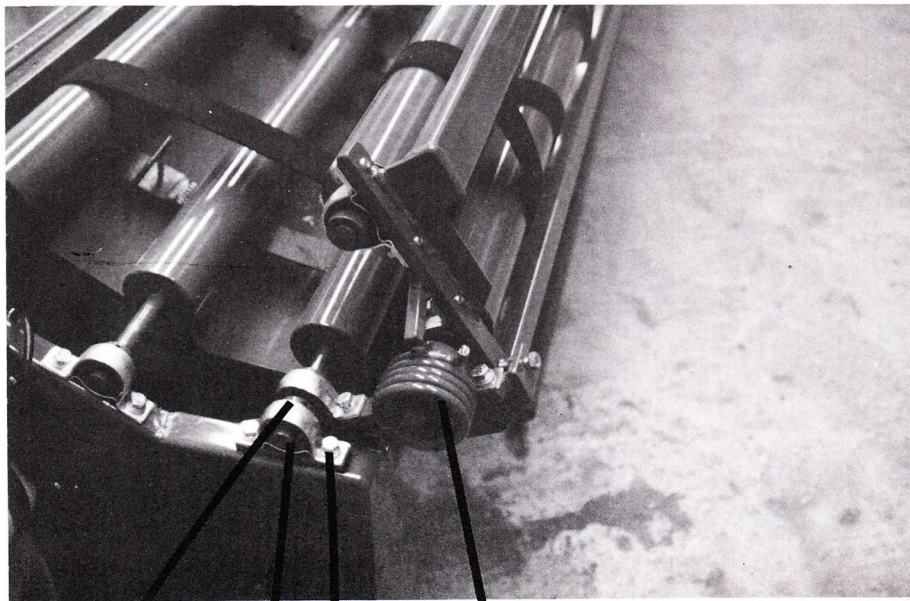


KEY	PART #	QTY.	DESCRIPTION	KEY	PART #	QTY.	DESCRIPTION
1	MRB2	14	2" x 21 3/4" C.P.U. belts	13	TRO3	1	Left roller 3
2	MRB1	8	2" x 37 3/4" C.P.U. belts	14	TR04	1	Left roller 4
3	PFLH	1	Roll up handle	15	TR05	1	Left roller5
4	NB38-4	1	3/8" x 4" bolt	16	TB1	1	Roller holder & belt guides
5	BS204-2	2	Pillowblock & chain guard brackets	17	TB2	1	Roller holder & belt guides
6	BS204-1	3	Pillowblock & chain guard brackets	18	NNW38	1	3/8" wing nut
7	DC401	1	Chain	19	TM	1	Cutting bar cover plate
8	DC402	1	Chain	20	PFC2	1	Counter weight handle
9	DC403	1	Chain	21	NB38-312	1	3/8" x 3 1/2" bolt
10	DC404	1	Chain	22	CWB	1	Counter weight bracket
11	TR01	1	Left roller 1	23	CWW	1	Counter weight
12	TR02	1	Left roller 2	24	N38	1	3-8" nut

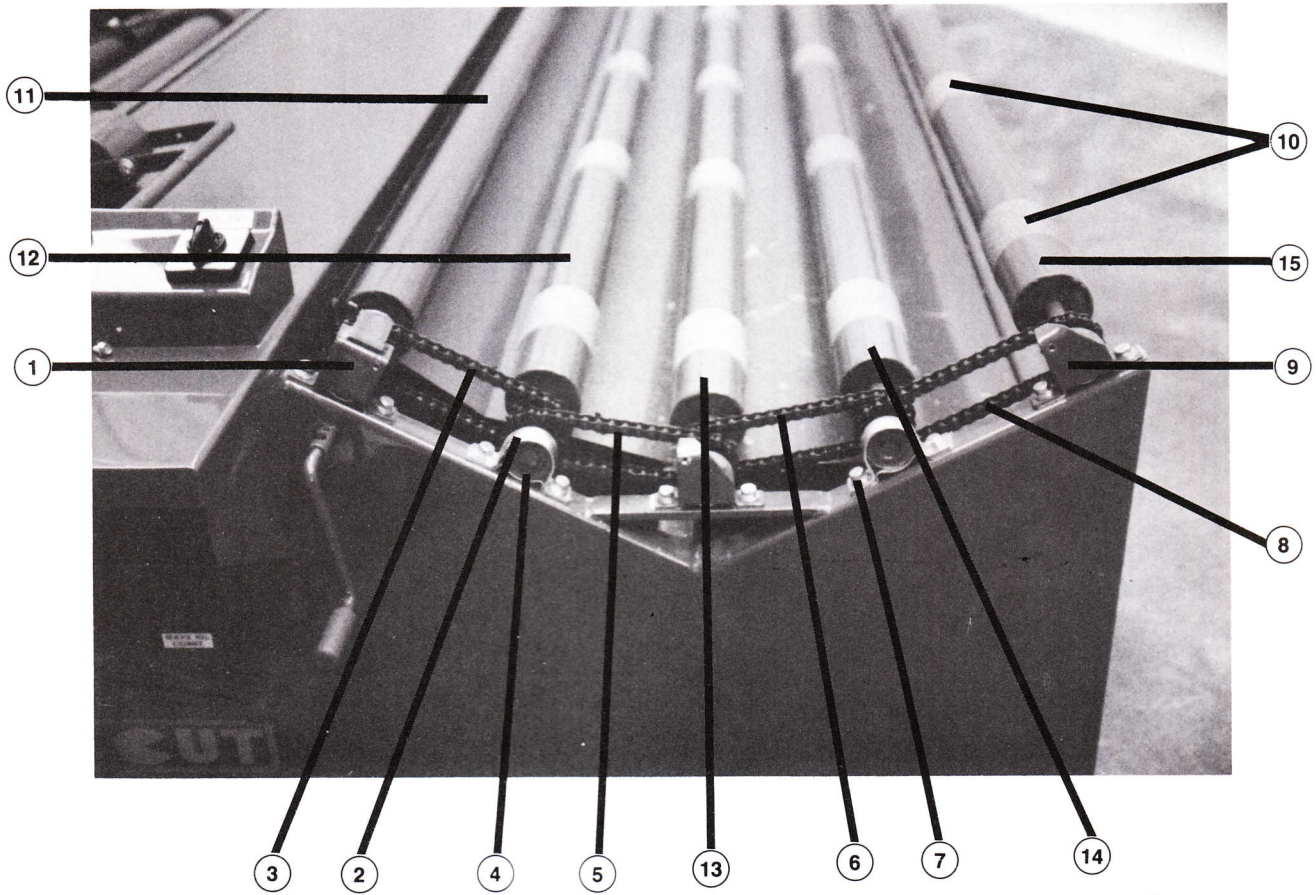




KEY	PART #	QTY.	DESCRIPTION
1	DC35	1	Cutting bar chain
2	BP16	1	Pulley sprocket
3	CEE	1	Hollow core encoder
4	CWI	1	Counter wheel
5	BCS	2	Bearing 1604 w/ collar
6	BS202	2	Pillowblock P203 (not shown)

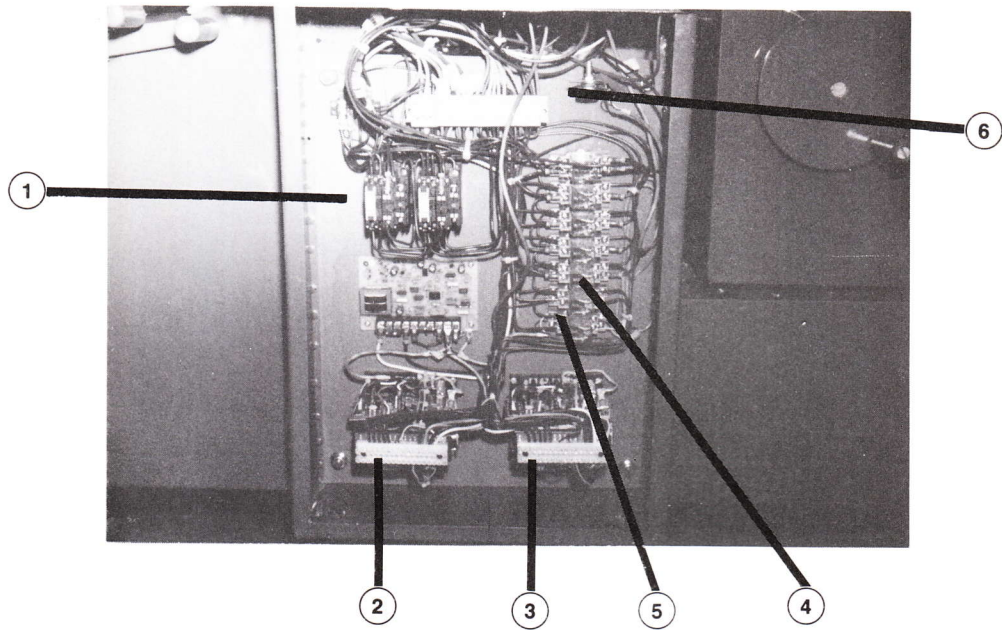


KEY	PART #	QTY.	DESCRIPTION
1	TS5	1	Fold up spring
2	NB38-1	1	3/8" x 1" bolt
3	B204-12		3/4" bearings
4	BS204		3/4" bearings

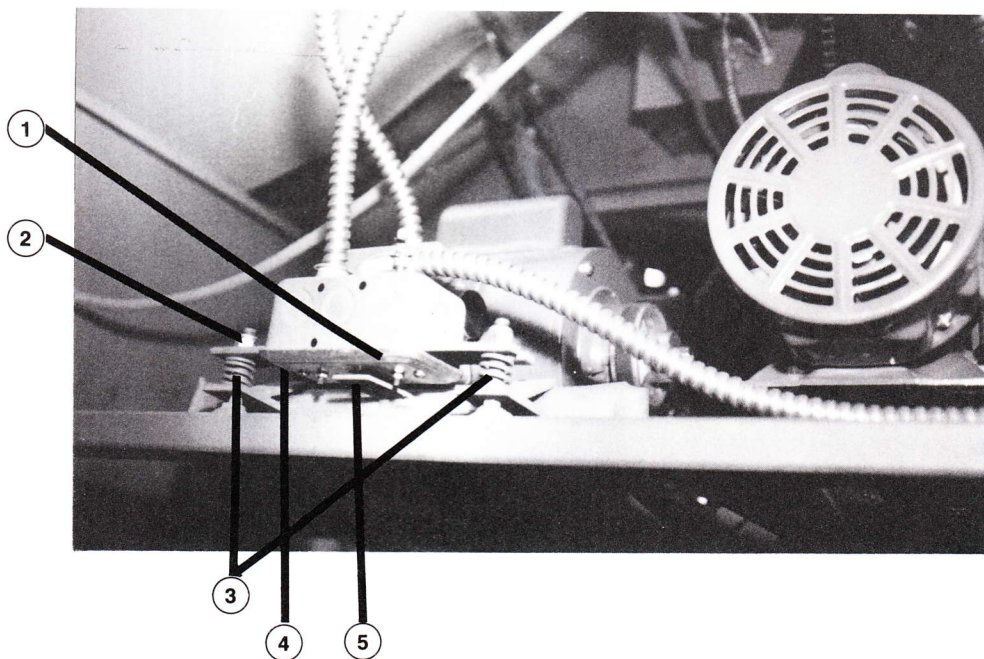


KEY	PART #	QTY.	DESCRIPTION
1	BS204-3	2	Pillowblock & chain guard bracket
2	BS204	17	Pillowblock
3	DC407	1	Chain
4	B204-12	24	204-12 bearing
5	DC408	1	Chain
6	DC409	1	Chain
7	NB38-1		3-8" x 1" bolt
8	DC410	1	Chain
9	BS204-1	3	Pillowblock & chain guard bracket
10	MS	32	Safety walk
11	TR06	1	Right roller 6
12	TR07	1	Right roller 7
13	TR08	1	Right roller 8
14	TR09	1	Right roller 9
15	TR10	1	Right roller 10

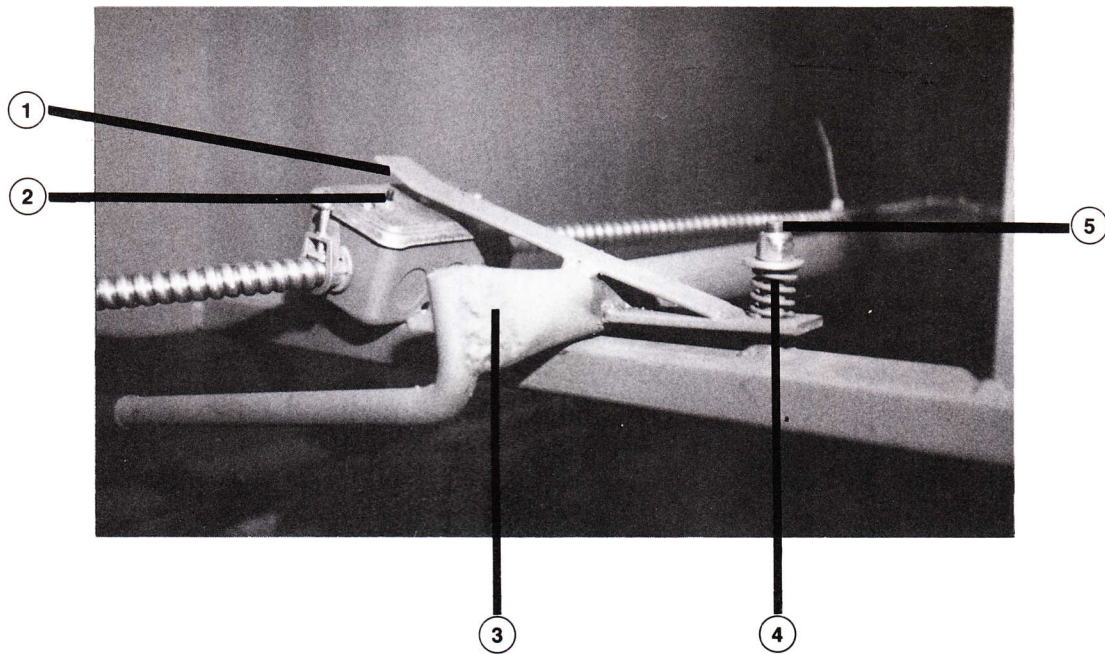




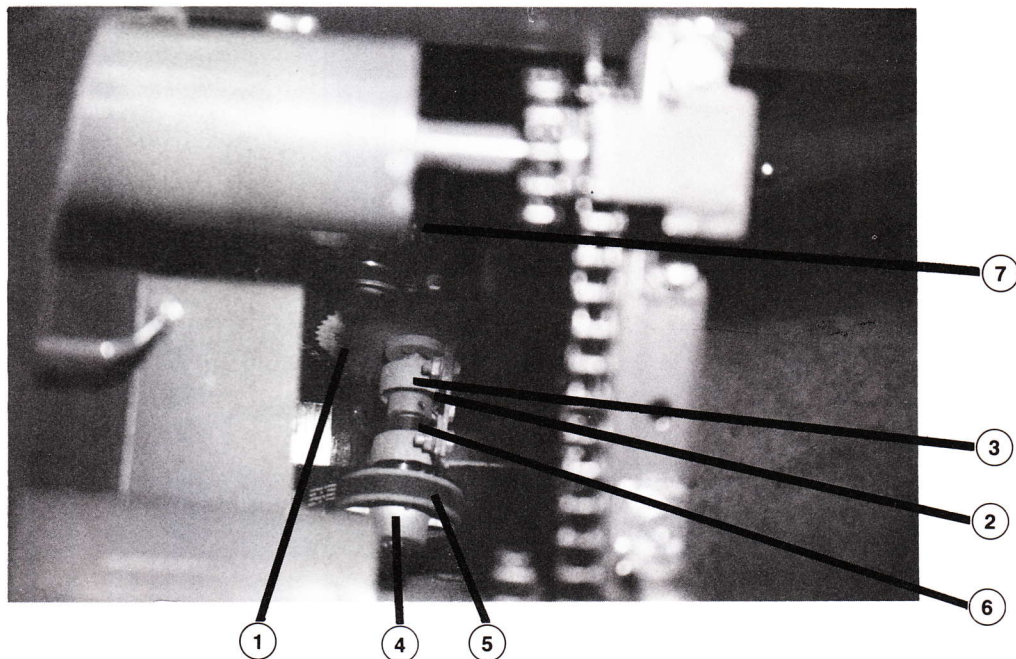
KEY	PART #	QTY.	DESCRIPTION
1	ER4910	2	Relays
2	EMD34C	1	DC motor controller
3	EMD34C	1	DC motor controller
4	ERS2	7	Relay sockets (220)
5	ERR2	7	Plug in relays (220)
6	ESS1	1	Speed ratio pot
7	EMD34	2	DC motor (not shown)



KEY	PART #	QTY.	DESCRIPTION
1	ESM	1	Microswitch
2	NNL716	1	7/16" lock nut
3	TS3	1	Spring
4	EPC2	1	Switch plate
5	EFFM	1	Front foot pedal mount



KEY	PART #	QTY.	DESCRIPTION
1	ESM	1	Microswitch
2	EPC2	1	Switch plate
3	EFM	1	Side foot pedal mount
4	TS3	1	Spring
5	NNL716	1	7/16" lock nut



KEY	PART #	QTY.	DESCRIPTION
1	S35W45	1	35W45 sprocket
2	B202-10	1	5/8" bearing
3	BS202	1	5/8" pillowblock
4	DPA1-L4J	1	5/8" x 4 1/2" alum pulley
5	DBA23	1	A23 belt
6	TMCS	1	5/8" shaft (cutting bar)
7	DC35	1	Cutting bar chain



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# NOTES

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## **E-Z CUT WARRANTY**

E-Z Cut Inc. warrants our products to be free from defects in materials and workmanship for the period of one year. The E-Z Cut carpet and vinyl cutting systems were designed and manufactured with serviceability and ease of maintenance in mind. In the event that you require any service work, please contact our office or a qualified electrician or machinest in your area.

*For further information, contact:*

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