

**MK-JR  
OPERATOR'S MANUAL**

**E-Z CUT INC.**

# **SAFETY RULES**

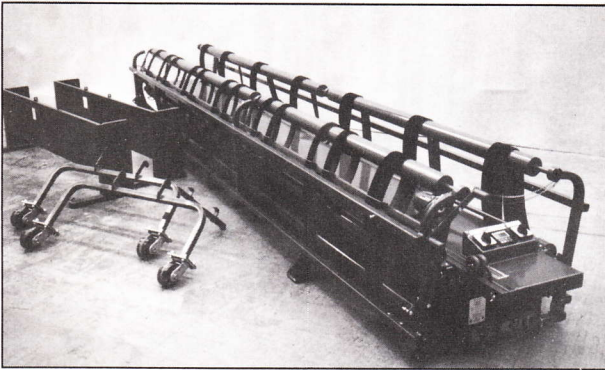
## **GENERAL**

1. Read the Operator's Manual carefully and ensure that you are familiar with the controls and the proper step by step operation of the machine.
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.
4. Should you have any problems with the operation of the machine, consult the Troubleshooting and Maintenance Sections at the back of the manual.
5. If help is needed or if any of these procedures are unclear, please do not hesitate to contact us at E-Z Cut Inc. directly.

## **OPERATING PROCEDURES**

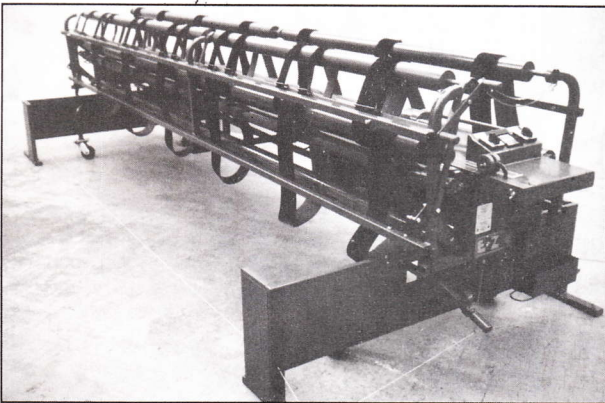
The following is the cutting machine's operating procedures. The procedures in this section are set up for a normal sequence of operations. The arrangement is intended primarily to acquaint you with the fundamental operating procedures to ensure the safe and efficient operation of your cutting machine. Take your time, be patient, and enjoy the benefits of this machine for many years to come.

**E-Z CUT INC.**



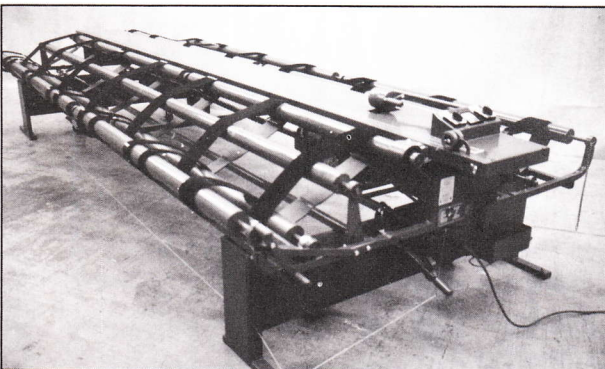
### The Machine's Arrival

Once the machine has arrived and the 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. You will note that the Support Stands and Caster Wheels are not attached to the machine at this point.



### Securing the Support Stands & Caster Wheels

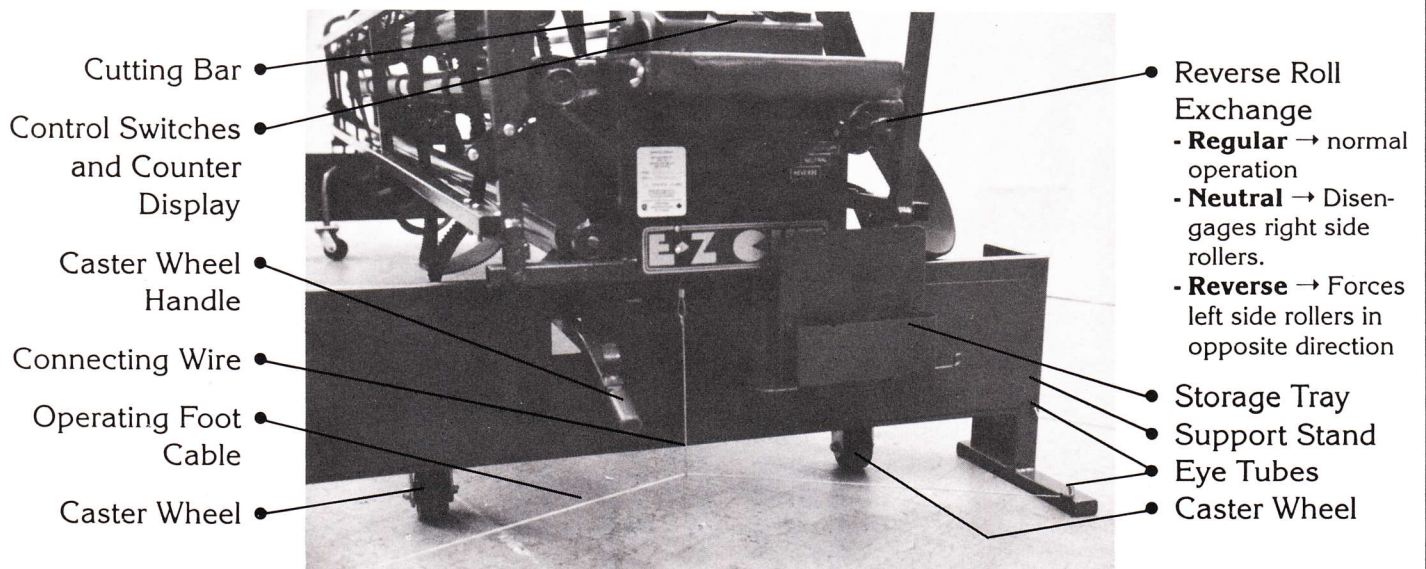
By using a forklift, raise the machine to a height so as to enable the positioning of both the Support Stands and the Caster Wheels. Remove the 4 bolts at each end of the machine's bottom frame. Insert the Caster Wheels through the opening in the Support Stand and align both sets with the 4 bolt holes at each end. Doing one end at a time, reinsert the bolts and secure the Stand and Casters in place.

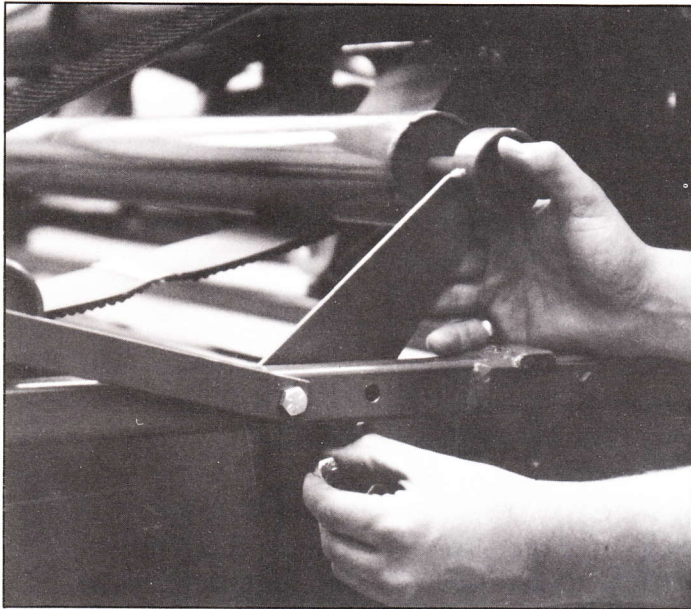


### Securing the Operating Foot Cable

Remove the nuts from the eye bolts at each end of the Operating Foot Cable. Insert each bolt through the small holes on either side of the far end Support Stand and secure with the nuts. Loop the Connecting Wire at the front end of the machine to the Operating Cable. Tighten or loosen the nuts at the far end to adjust for proper tension.

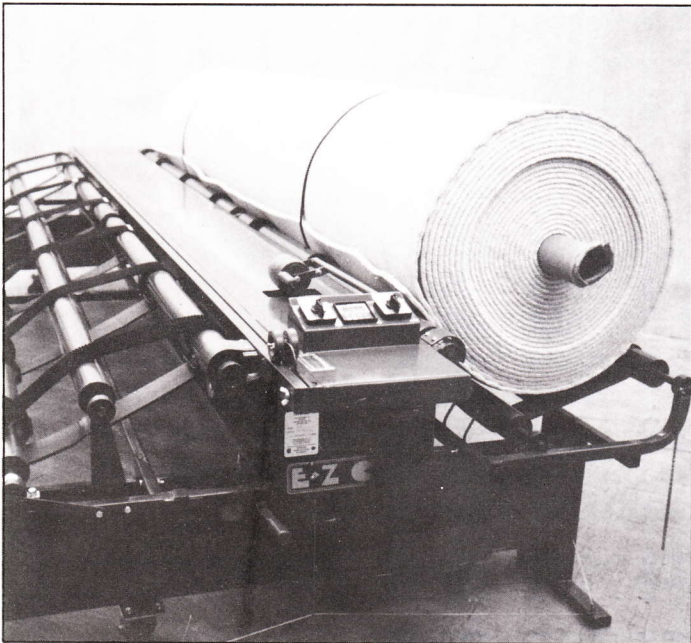
## MAIN OPERATING FEATURES





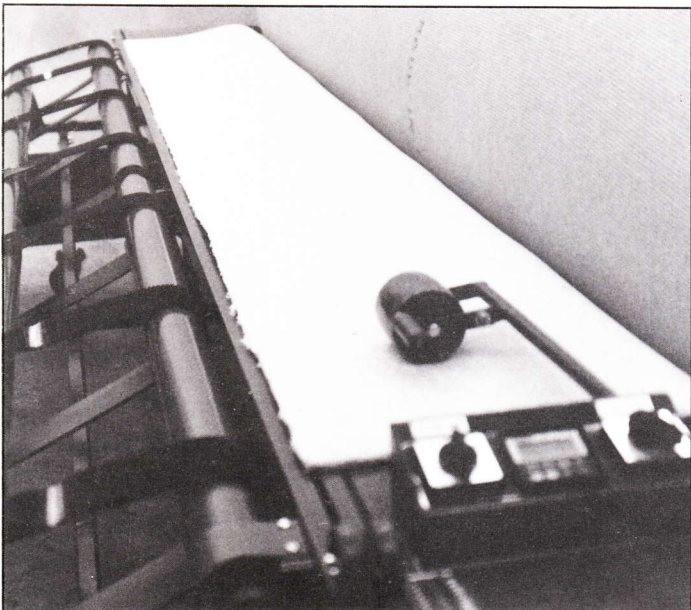
### **Adjusting the Pressure Roller**

The Pressure Roller is located on the Left Side Cradle and is secured on a hinge bracket to the machine's frame at both ends. When re-rolling and measuring goods "Pile" side in and Backing out, it is best to have this Roller in the DOWN position. As you will see later, this Roller is raised to the UP position when back-rolling remnants or carpet "Pile" side out and Backing in so as to add more "pressure" to the carpet and provide a better roll up.



### **Loading the Roll of Carpet**

When you place the roll on the Right Side of the machine, ensure that the feed is coming from the bottom towards the counter with the "Pile" facing up. This allows an accurate measurement from the carpet backing - NEVER measure with the "Pile" side facing down as you will get an inaccurate measurement. For best results, the roll of carpet should be rolled up fairly tight. To tighten a loose roll of carpet, turn the Roller Switch in REVERSE, depress the Foot Cable, and allow the roll to rotate until it tightens itself up.



### **Preparing to Measure**

Advance the carpet to the Left Side by turning the Rollers Switch in the FORWARD direction and depressing the Foot Cable. At the same time, lift the Counter Weight and guide the carpet through to the Cutting Track. Stop the carpet at the edge of the Cutting Track and gently lower the Counter Weight down onto the carpet.

# Programming the Electronic Counter



With the edge of the carpet flush along the Cutting Track, you are now ready for the counting and roll up process to begin. To program your counter to the desired length, please adhere to the following steps:

- 1) Press the "+" or "-" buttons until you arrive at the "P1" screen and then press the "RST CLR" button to clear the screen.
- 2) The top row will indicate the length of flooring that is being measured and rolled up. The bottom row is where you can program the desired length to be measured and rolled up.

**NOTE:** Due to the momentum of the flooring as it is being rolled up, a small amount of flooring (only 1" to 2") is inadvertently measured since the machine does not stop instantly once the programmed length is reached. Therefore, you may want to program the counter less than the desired length to compensate for this amount or just allow this amount for extra. Refer to the Conversion Table on the Control Panel for conversions.

Example:	Desired Length (Row 1)	= 20.00 Ft.
	Programmed Length (Row 2)	= 20.000 - 0.12 (1.5")
		= 19.88

(If this step is too confusing when trying to reach the desired length, you can just manually adjust the length by tapping the Foot Cable in the appropriate direction.)

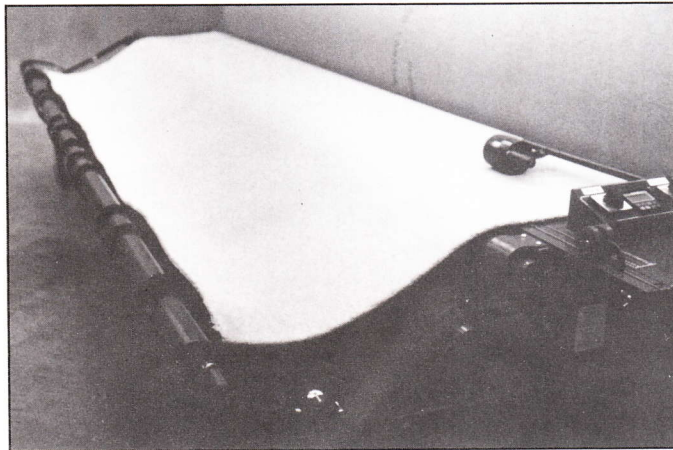
- 3) Press the "SEL" button and you will notice that the first "0" on the bottom row will begin to flash.
- 4) Press the "+" or "-" buttons until you reach the desired value at that digit position. Once you have attained the desired value at that specific position, just press the "SEL" button and you will be advanced to the next digit position.
- 5) When you have reached your desired values at each position via the "SEL" and "+/-" buttons, press the "ENT" button to lock in this desired length. If you wish to make any changes, press the "SEL" button and follow Step #4 again.

**NOTE:** Be sure to follow these steps for each and every measurement and cut.



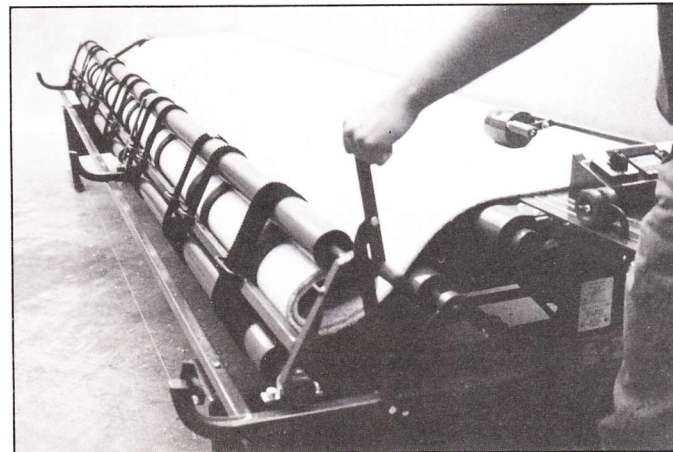
### **Starting the Roll Up process**

Activate the rollers once again and as you feed the flooring through, gently pull the edge of the carpet with your left hand for the first couple of feet.



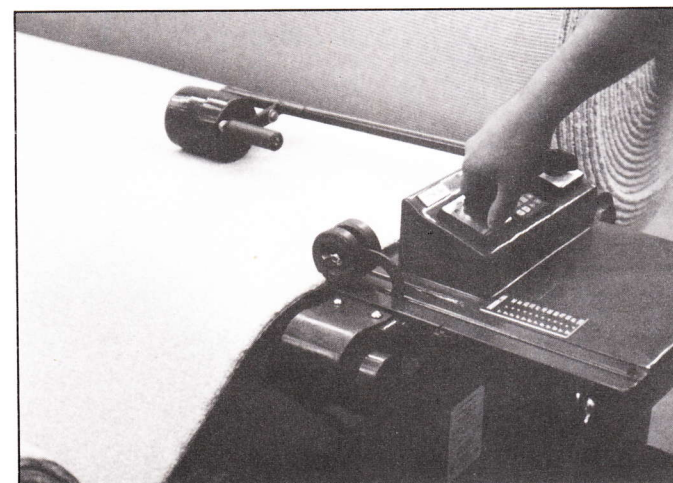
### **Guiding the Flooring**

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. Should you require one, you can now place a cardboard core on top of the carpet laying in the cradle or just continue without one.



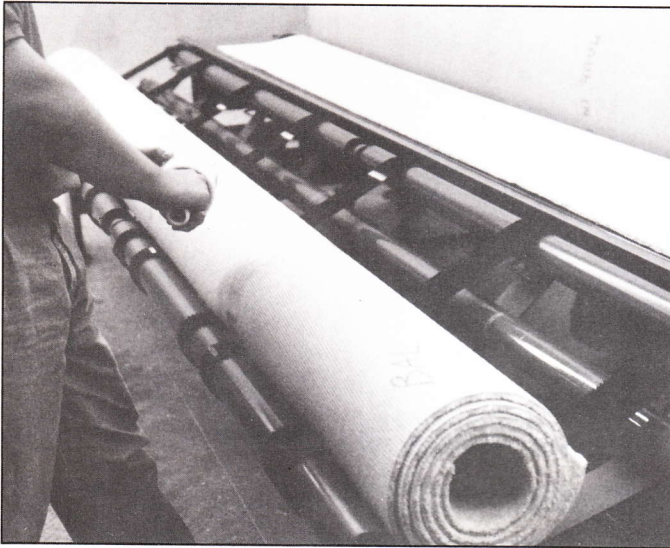
### **Rolling Up the Carpet**

To get the roll started, release the Left Side roller from its latch and allow the Spring Loaded Cradle to curl over the carpet. Hold the Cradle Handle in place, step on the Foot Cable, and roll up the first two or three feet. Slowly release the Handle while continuing to roll up the carpet and allow the Spring Loaded Cradle's tension to keep the roll tight. Once your desired programmed length is reached, the motor for the rollers will stop indicating you've reached that length.



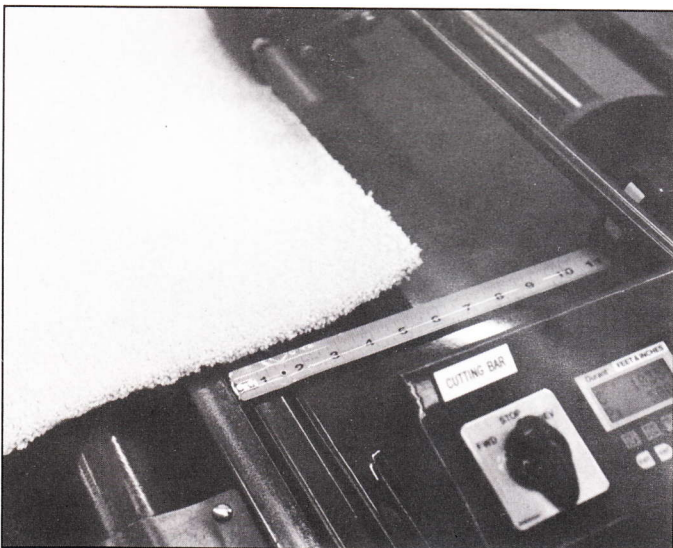
### **Cutting the Carpet**

Prior to cutting, turn the Rollers Switch to the STOP position so there is no chance of the rollers advancing during the cutting process. To cut the flooring, just turn the Cutting Bar switch to FORWARD and hold until the Cutting Bar reaches the end of the carpet. Once cut, return the Cutting Bar back to the front end of the machine by turning the switch to REVERSE.



### **Wrapping the Roll(s)**

First, shift the Reverse Roll Exchange handle down to the NEUTRAL position to lock off the Right Side Rollers. To wrap the flooring, place your stretchfilm under the edge of the roll that has been cut and rolled up. Depress the Foot Cable along the Left Side and let the stretchfilm wrap itself around the roll. Three or four full turns should be sufficient and this same procedure can be done with the balance roll as well by shifting the Exchange handle back to REGULAR and turning the Roller Switch to REVERSE.



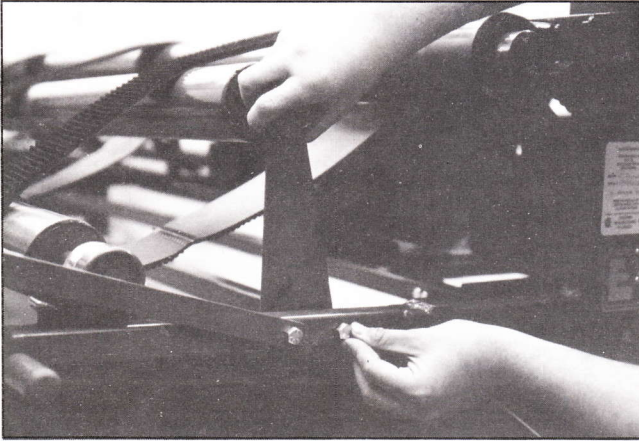
### **Measuring Full/Partial Rolls**

If you want to just remeasure a full or partial roll and not make any cuts, you have to remember one important procedure. Since the Counter stops counting once the back edge of the carpet passes by it, you have to take into account the small piece of carpet that doesn't get counted between the Counting Wheel and the Cutting Track. Therefore, prior to the back edge of the carpet passing under the Counter Weight, measure the carpet from the back edge to the Cutting Track and add this amount to the reading on the Counter Display. Use the Conversion Table on the Control Panel.

## **SUMMARY**

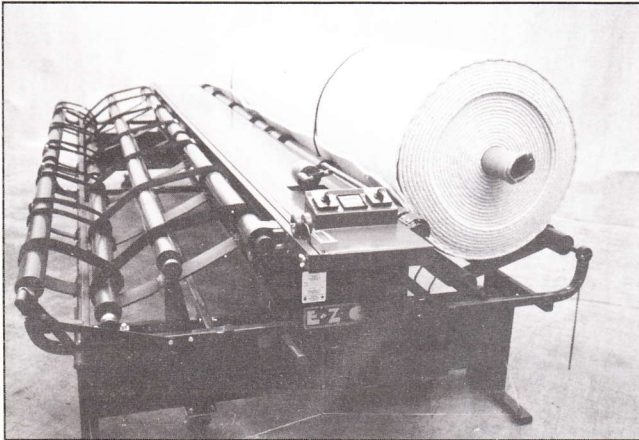
Once again, take your time and experiment with the machine until you feel comfortable operating it. Obviously, it is a good idea to practice rerolling smaller rolls of carpet and vinyl before attempting to make any cuts. Don't expect to be an expert after just one or two tries as it takes practice and patience. Once you become familiar with the machine and confident in what it can do for you, measuring and cutting floor covering will become a simple exercise.

# REVERSE ROLLING CARPET “PILE” SIDE OUT



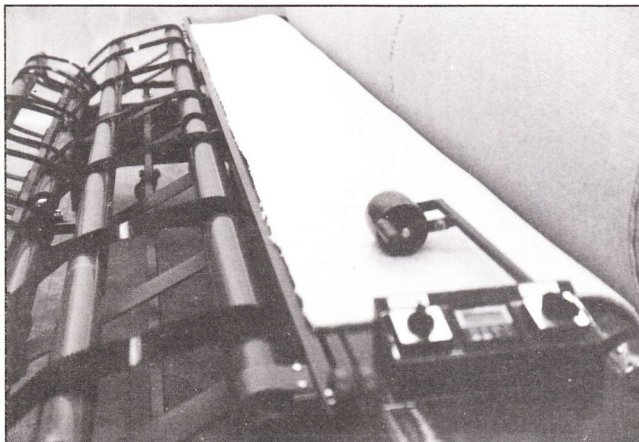
## Adjust Pressure Roller

As indicated earlier, you must now adjust the position of the Pressure Roller to the UP position so as to effectively roll up carpet with the “Pile” side out. Remove the hinge bolt at each end of the machine, raise the Pressure Roller to the UP position, and secure it in place by reinserting the bolts.



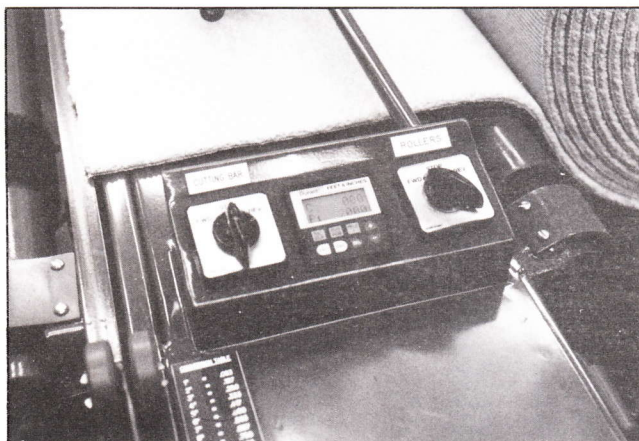
## Loading the Roll

As before, place the roll of carpet on the Right Side Cradle and ensure that the carpet feed is coming from the bottom towards the counter with the “Pile” side facing up.



## Preparing to Measure

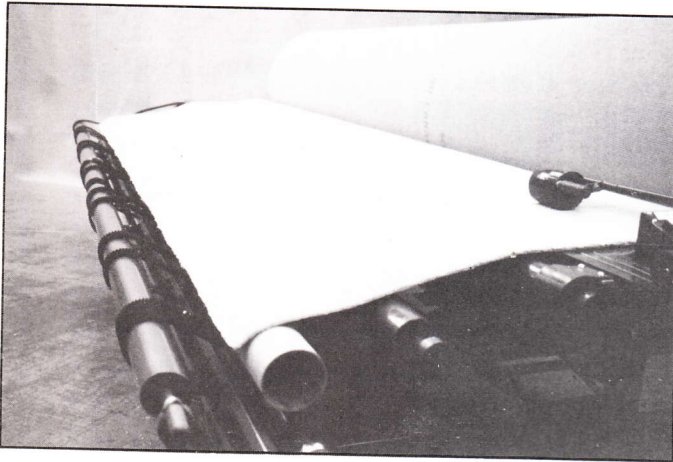
Advance the carpet to the Left Side by turning the Rollers Switch in the FORWARD direction and depressing the Foot Cable. As before, the Reverse Roll Exchange should be in the REGULAR position at this point. Once again, guide the carpet through and stop it at the Cutting Track, remembering to lift and lower the Counter Weight.



## Programming the Electronic Counter

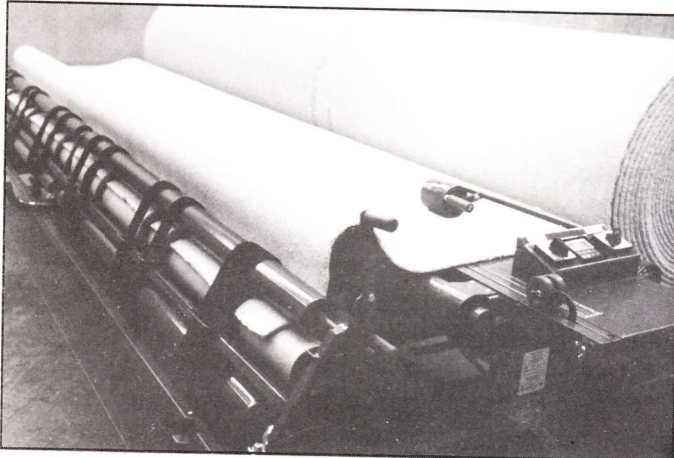
With the edge of the carpet flush along the Cutting Track, you are now ready for the counting and roll up process to begin. To program your counter to the desired length, refer to the steps previously outlined in this manual. Should you wish not to program a desired length, just record what is being measured by referring to the top row of the P1 screen.





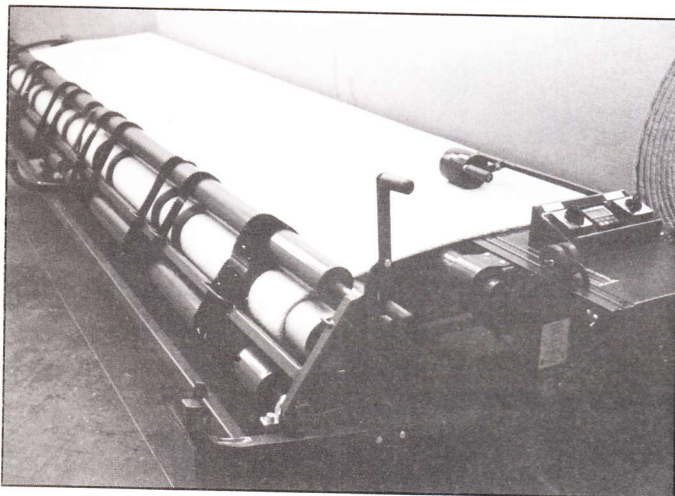
### **Starting the Roll Up Process**

Reverse rolling carpet requires the use of a cardboard core, no wider than 4" in diameter. Prior to guiding the flooring across onto the Left Side, place the core in position on the Left Side Cradle. Now, guide the flooring until it is slightly draping over the left edge of the core and stop.



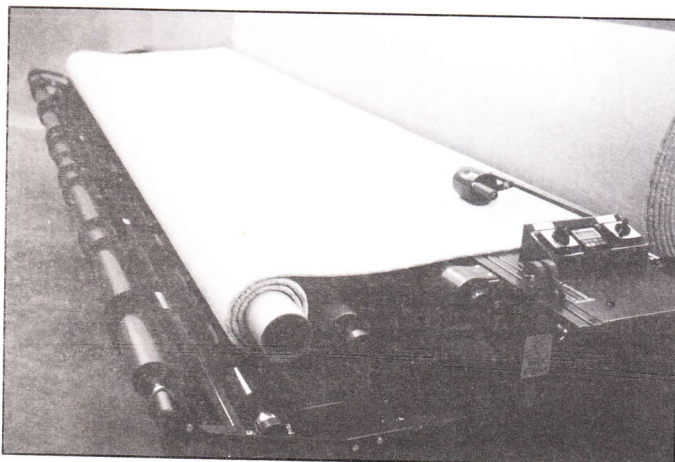
### **Securing the Carpet Around the Core**

Release the Left Side Roller from its latch and lock the Spring Loaded Roller Handle in place so the roller pinches the carpet up against the core. Now, shift the Reverse Roll Exchange to NEUTRAL so as to lock off the Right Side Rollers, turn the Rollers Switch to the REVERSE position, and depress the Foot Cable. This will cause the lip of the carpet to wrap itself tightly around the core. Remove your foot from the Foot Cable once the carpet has started itself around the core.



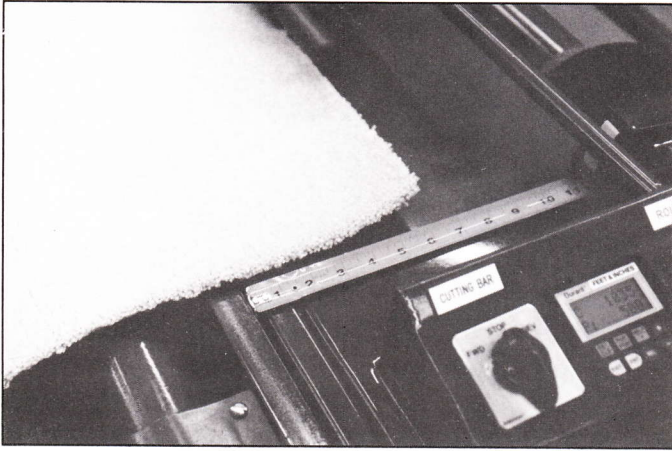
### **Continuing the Roll Up Process**

With the carpet started snugly around the core, shift the Reverse Roll Exchange to the REVERSE position and keep the Rollers Switch in the REVERSE position as well. Depress the Foot Cable and allow the carpet to continue its roll up on the core for one or two turns. At this point, gently release the Spring Loaded Roller Handle from its locked position and allow the carpet to roll up freely. You will notice that the combination of the Spring Loaded Roller and the Pressure Roller form a "pocket" and force the carpet to roll up uniformly around the core.



### **Continuing the Roll Up Process**

You can adjust the tightness of the roll up by applying or decreasing the pressure of the Spring Loaded Roller. For best results, leave the Spring Loaded Roller in the released position so as to assist in the roll up. Should you be rolling up a larger piece of carpet, you may want to return it to its original position and latch it back into place.

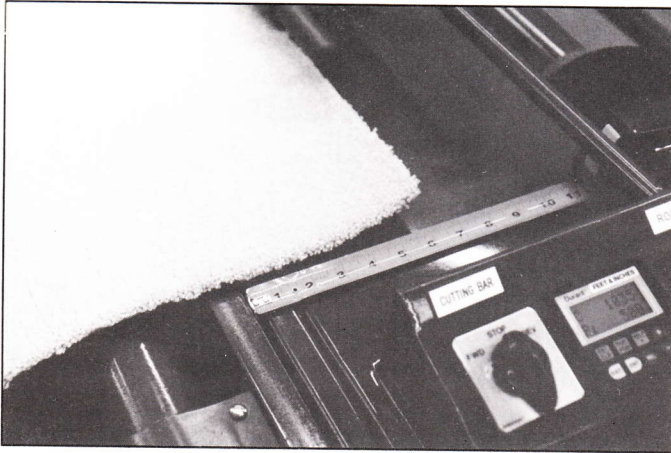


### **Measuring the “Tail End” of the Carpet**

Remember, that when measuring a full or partial roll, you have to take into account the last piece, or “tail end”, of carpet that doesn’t get measured by the Counter after it passes over the Counting Wheel. Follow the same procedure as before – measure the amount that hasn’t passed by the Counting Wheel and add it to the amount on the Counter screen. Use the Conversion Table.

## **SUMMARY**

Once you are done Reverse Rolling, remember to return the Reverse Roll Exchange to REGULAR and the Roller Switch to STOP so as to prevent any confusion as to the direction of the rollers.



### **Measuring the “Tail End” of the Carpet**

Remember, that when measuring a full or partial roll, you have to take into account the last piece, or “tail end”, of carpet that doesn’t get measured by the Counter after it passes over the Counting Wheel. Follow the same procedure as before – measure the amount that hasn’t passed by the Counting Wheel and add it to the amount on the Counter screen. Use the Conversion Table.

## **SUMMARY**

Once you are done Reverse Rolling, remember to return the Reverse Roll Exchange to REGULAR and the Roller Switch to STOP so as to prevent any confusion as to the direction of the rollers.

# MAINTENANCE TIPS

## **Gearbox**

It is recommended to change the oil in the gearbox approximately once every year using a regular W80-90 gear oil. The oil level should be at the centre of the sight gauge between 2-1/2 and 4-1/2 inches from the bottom of the gearbox.

## **Reverse Roll Exchange**

Apply the thick grease that is supplied with your machine to the Roll Pin area as well as the Shifting Fork. There should be a light layer of grease on these areas at all times as the Shifting Fork will become stiff should it require lubrication.

## **Chains**

The chains that run the rollers and the cutting bar are lubricated before arriving at your location. These chains and their sprockets do not require a large amount of greasing to operate properly. Should they appear dry and shiny, lightly spray with a soft lubricant like "WD-40". Constant greasing of these areas will just attract more debris and cause more harm than good.

## **Foot Cable**

Keep the Foot Cable well lubricated where it passes through the 4 "Eye Tubes" located on the front end Support Stand. Apply the same thick grease used for the Reverse Roll Exchange so as to prevent the fraying and breaking of this cable.

## **Keep Cutting Track Clean**

Dust and fibers will build up in the Cutting Track and can cause damage if it is not cleaned out on a regular basis. Daily cleaning is recommended by either vacuuming or blowing out the Cutting Track so it remains clear of any build up.

# TROUBLESHOOTING

## **PROBLEM**

## **SOLUTION**

### **1. Machine will not run at all**

- Check your extension cord.
- Check your electrical panel.
- Push reset button on motor.
- Check tension on Foot Cable.

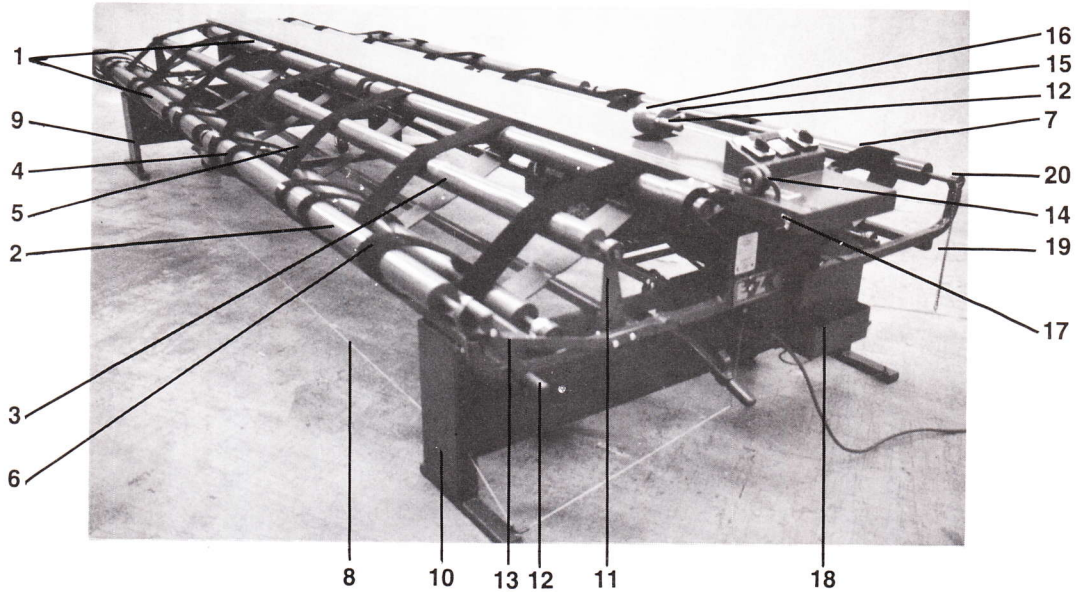
### **2. Cutting Bar not running smoothly across Track.**

- Check Track for debris.
- Blade may be dull.
- Chain may be loose.

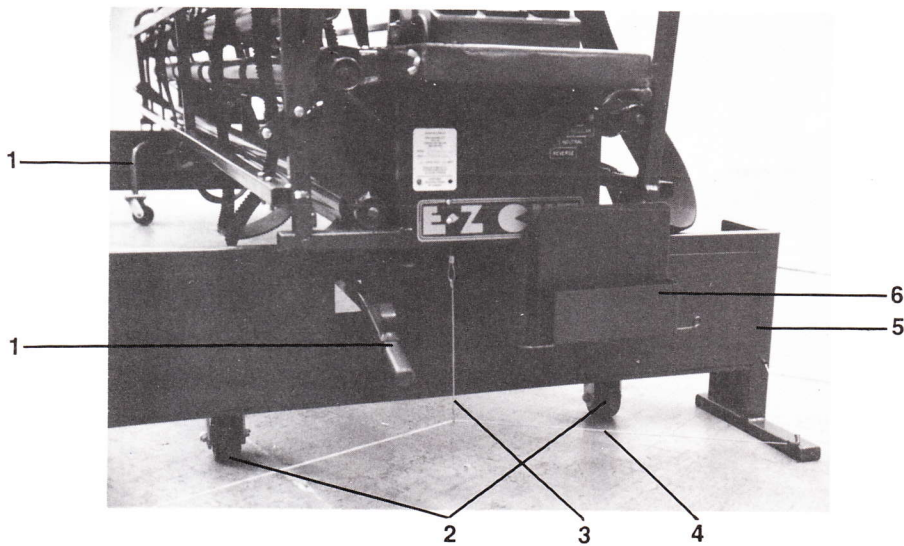
### **3. Reverse Roll Exchange will not shift properly.**

- Shift while machine is in operation.
- Check lubrication on Roll Pin and Fork area.

# MACHINE PARTS LIST

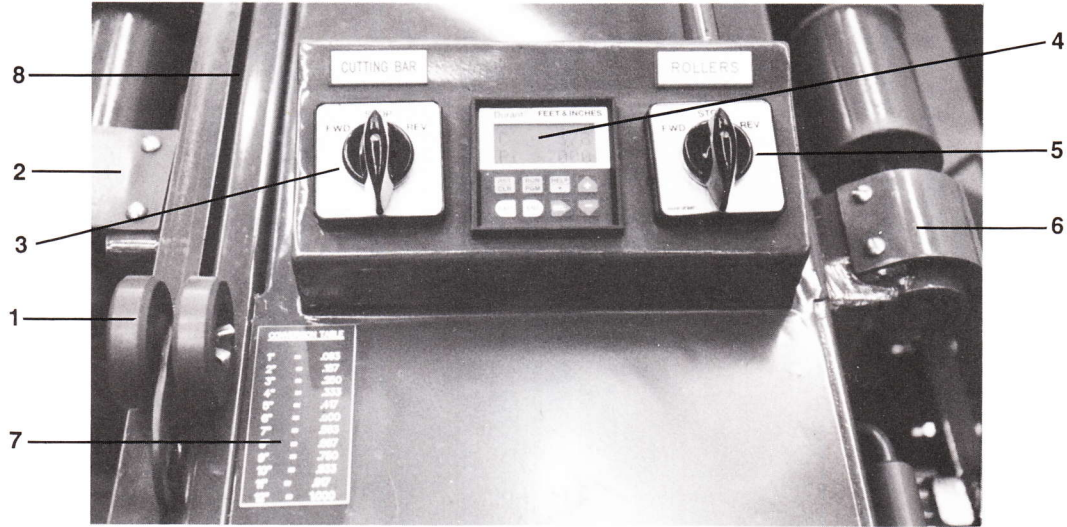


KEY	PART #	QTY.	DESCRIPTION	KEY	PART #	QTY.	DESCRIPTION
1	TRJ2	6	Back Jr. Roller	11	TJ4	2	Pressure Roller Bracket
2	TRJ1	6	Front Jr. Roller	12	PFH	6	P.V.C. Handle
3	TR01	1	Pressure Roller	13	TB J1	1	Fold Up Roller Handle
4	MRJ3	11	2" Roll Up Belt	14	DMBH	1	Blade Holder/Cutting Bar
5	MRJ2	7	4" Roll Up Belt	15	CWB	1	Counter Weight Bracket
6	MRJ4	1	4" Roll Up Belt	16	CWW	1	Counter Weight
7	MRJ1	7	4" Cradle Belt	17	NW38	1	3/8" Wingnut
8	EFB18	32'	1/8" Foot Cable	18	TMT	1	Storage Tray
9	NME14	2	1/4" Eye Bolt	19	DC1	20"	Storage Chain
10	TJ02	2	Support Stand	20	B204-12	23	#204 Bearing

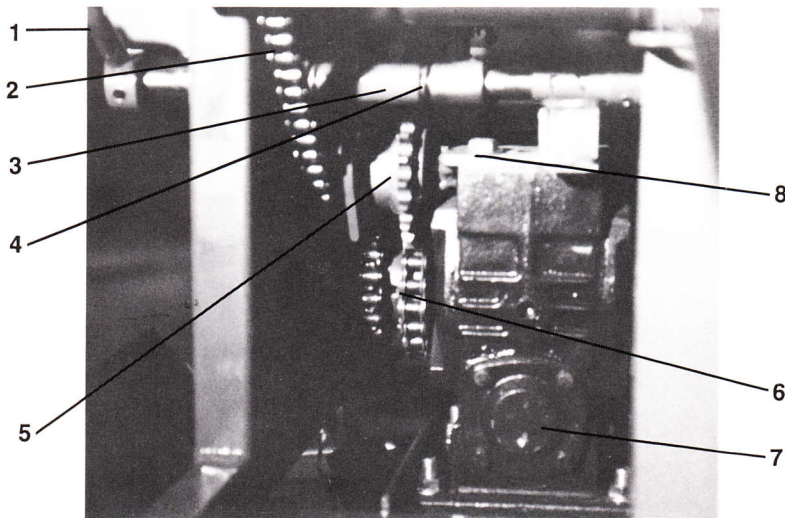


KEY	PART #	QTY.	DESCRIPTION
1	FE0JC	2	Caster Wheel Stand Handle
2	MCW	4	Caster Wheels
3	RRS18	1	Cable Connecting Wire
4	EFB18	32"	1/8" Foot Cable
5	TJ02	2	Support Stand
6	TMT	1	Storage Tray

# MACHINE PARTS LIST

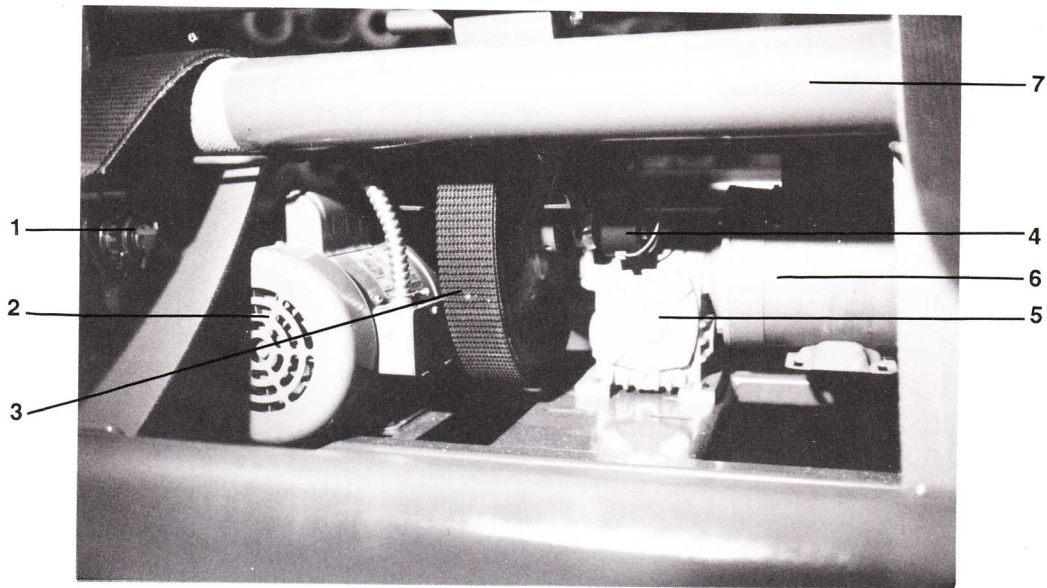


KEY	PART #	QTY.	DESCRIPTION
1	DMBH	1	Bladeholder/Cutting Bar
2	TCJ1	1	Left Chain Cover
3	ESFR2	1	Cutting Bar F/R Switch
4	CE01	1	Electronic Counter Read
5	ESFR1	1	Roller F/R Switch
6	TCJ2	1	Right Chain Cover
7	CT	1	Conversion Table
8	Track	1	Cutting Track

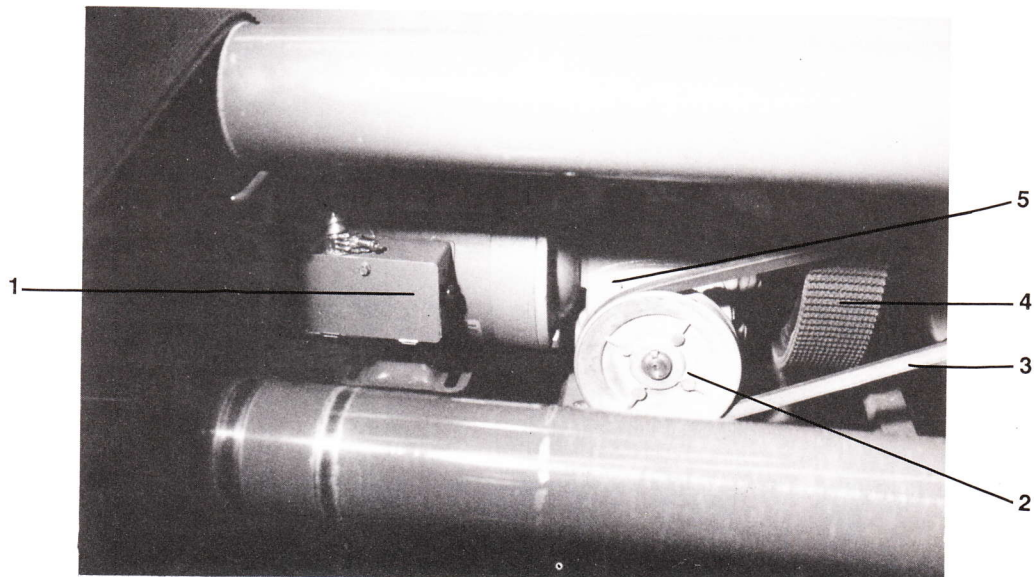


KEY	PART #	QTY.	DESCRIPTION
1	DGP13	1	Rev. Roll Exchange Handle
2	DGP40	1	Rev. Roll Chain
3	DGP11	1	Rev. Roll Shift Fork
4	DGP16	2	Springs
5	DGPS1	1	Inside Rev. Roll Sprocket
6	DGP1	1	Rev. Roll Drive Assembly
7	GB0X1	1	Gearbox
8	DGP14	1	Gearbox Breather Plug

# MACHINE PARTS LIST



KEY	PART #	QTY.	DESCRIPTION
1	D6	1	Gearbox
2	EM34	1	3/4 H.P. Motor (Rollers)
3	CW12	1	12" Counting Wheel
4	CEE	1	Elec. Counter Encoder
5	DGF50	1	Gearbox Flange
6	EM13	1	1/3 H.P. Motor (Cutter)
7	TRJ1	6	Front Jr. Roller



KEY	PART #	QTY.	DESCRIPTION
1	EM13	1	1/3 H.P. Motor (Cutter)
2	DPAA34412	1	3/4" x 4-1/2" 'A' Pulley
3	DBA 36	1	A36 Belt
4	CW12	1	12" Counting Wheel
5	D6F50	1	Gearbox Flange



## **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 machinist in your area.

*For further information, contact:*

**E-Z CUT INC.**

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