

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

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

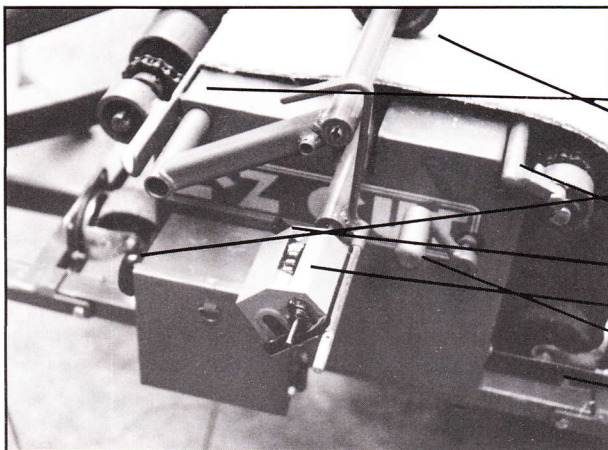
1. Read the operator's manual carefully and ensure that you are familiar with the controls and the proper use of the equipment.
2. Never allow children to operate the machine, and only properly trained personnel who are familiar with the machine should use it.
3. Keep the area of operation clear of all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

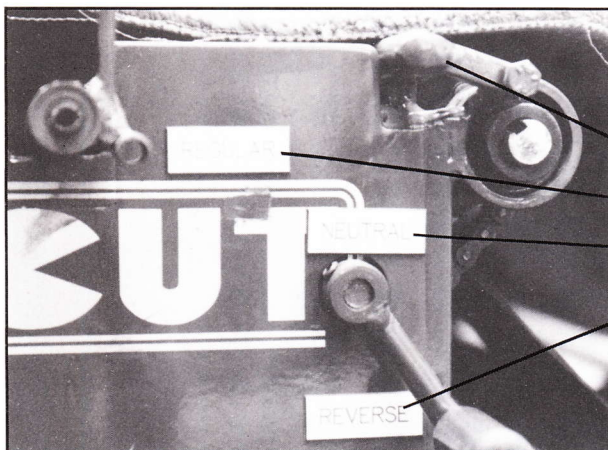
The procedures in this section are set up for a normal sequence of operations. The arrangement is intended primarily to acquaint you with the fundamental operating procedures to ensure the safe and efficient operation of your cutting machine.

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.



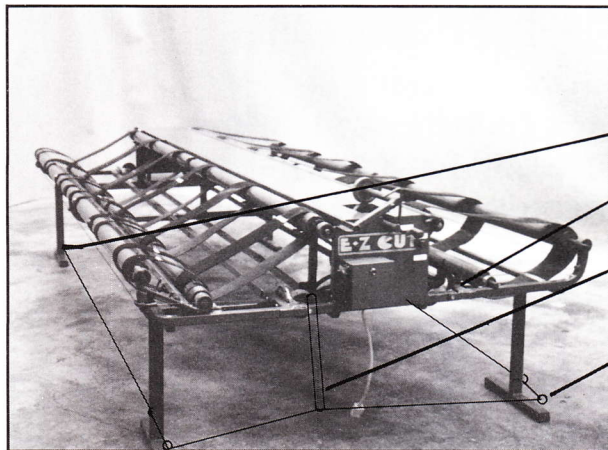
MAIN OPERATING CONTROLS

- CUTTING TRACK
- COUNTER WHEEL (SPRING LOADED)
- FORWARD / REVERSE SWITCH
- REVERSE ROLL BAR
- COUNTER RE-SET LEVER
- COUNTER
- REVERSE ROLL EXCHANGE
- CONTROL CABLE



REVERSE ROLL EXCHANGE

- REVERSE ROLL BAR (NORMAL POSITION)
- REGULAR — NORMAL OPERATING POSITION
- NEUTRAL — DISENGAGES RIGHT SIDE ROLLERS
- REVERSE — WHEN REVERSE ROLLING CARPETING PILE OUT

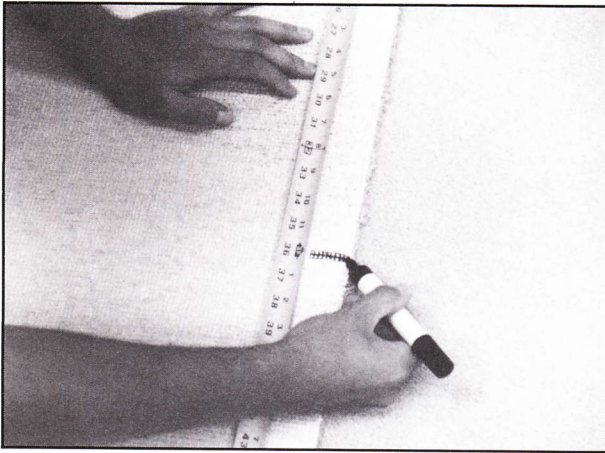


CONTROL CABLES

- TIGHTEN / LOOSEN NUTS TO SUIT OPERATION
- SECURE MACHINE TO SUPPORT STANDS BY INSERTING BOLTS AT ALL 4 LOCATIONS
- LOOP CONNECTING WIRE FROM TOP CABLE TO BOTTOM CABLE
- ENSURE CONTROL CABLE IS FED THROUGH LOOP HOOKS

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.

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 its capabilities.



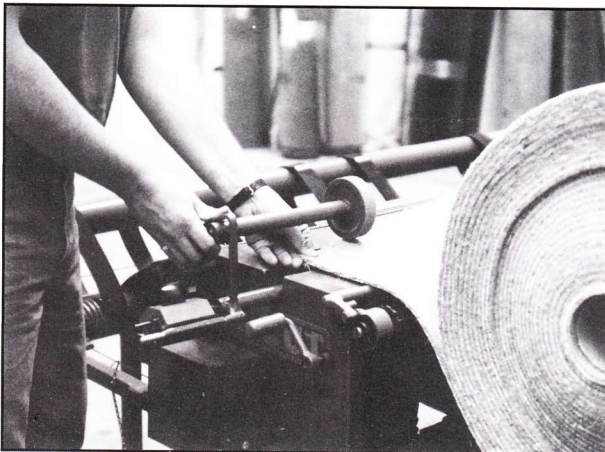
Prior to loading the machine, roll out a piece of carpet approximately 20 feet long, and measure its exact length. Using a marker or pen, make a mark on the carpet's backing every three feet. Roll up the carpet and place it on the right side cradle (loading side).

NOTE: When measuring vinyl & linoleum, discrepancies may occur with respect to correct measurements. Please check according to above procedure and make proper allowances.

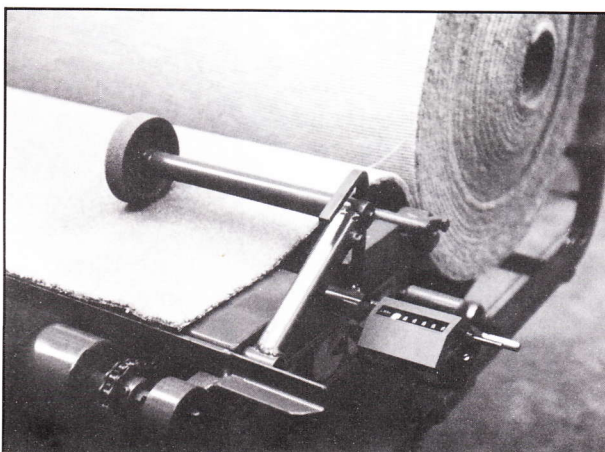
NOTE: This will allow you to detect any counter discrepancies, if any, when you begin to roll up and measure your carpet. If you stop the machine every three feet as indicated by the counter, the mark you made on the backing should be lined up with the cutting track.

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. 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 cables.

When you place the roll on the machine, ensure that the feed is coming from the bottom towards the counter. 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.

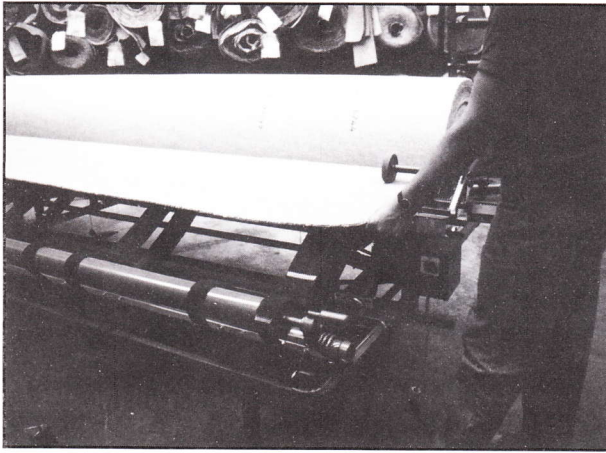


As the carpet is advanced toward the left side cradle, separate the two spring-loaded counter wheels and guide the carpet through.

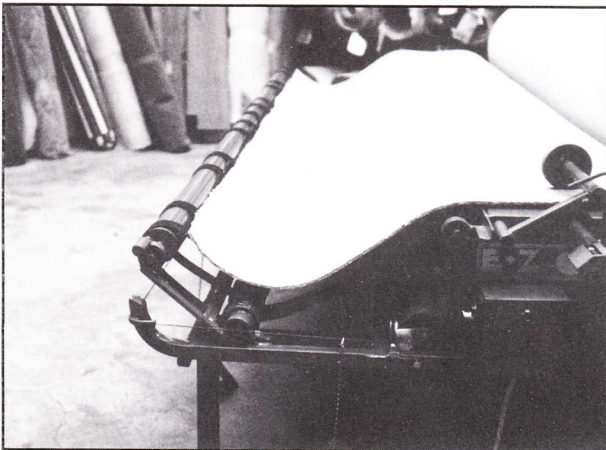


Stop the carpet at the edge of the cutting track and gently release the counter wheels so that they close tightly on the carpet.

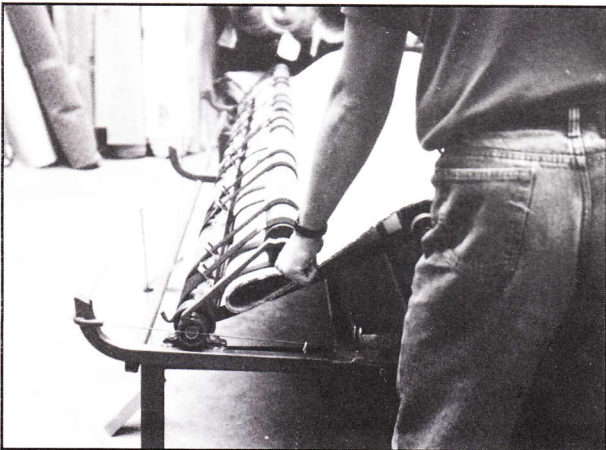
With the edge of the carpet flush along the cutting track, reset the counter to "0" (zero) by depressing the re-set button. Now the counting and rolling up process may begin.



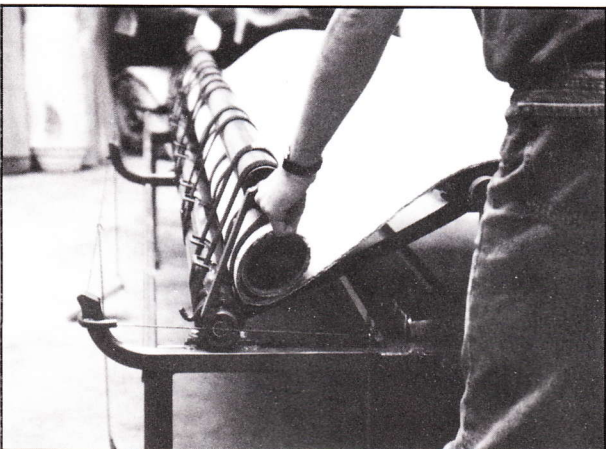
As you feed the flooring through, gently pull the edge of the carpet with your left hand.



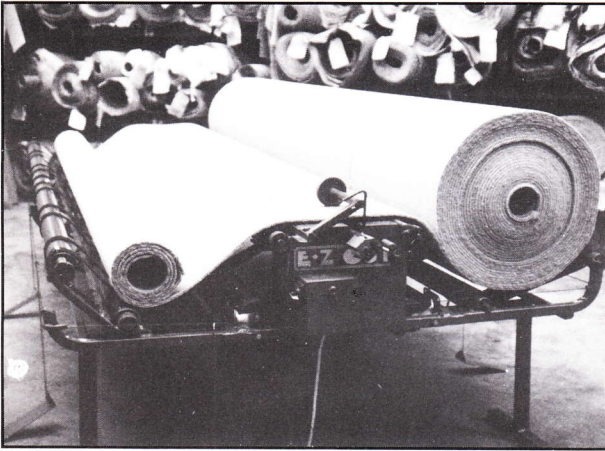
Guide the flooring until it is flush with the centre of the last (top) roller on the left side cradle, and stop the flow at this point.



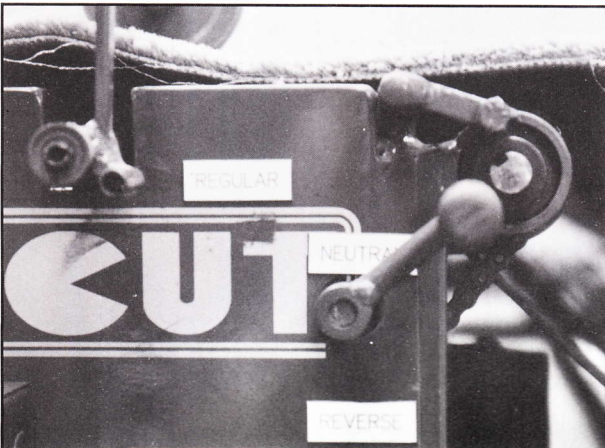
To get the roll started, curl up the left side cradle by pulling the handle towards you until the cradle has fully enclosed the carpet. (You don't have to exert an extreme amount of pressure — let the machine do the work.) Now step on the control cable again to begin rolling up the carpet and hold the cradle in place for the first two or three feet.



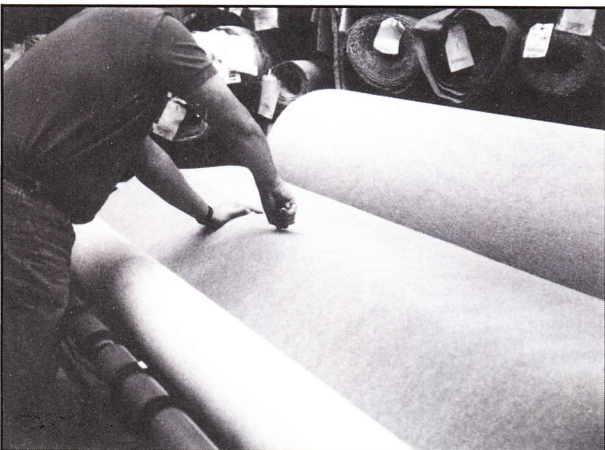
Now, slowly release the cradle to allow its spring-loaded tension to complete the rolling up of the flooring. To prevent telescoping or coning of the roll early, ensure that the carpet is rolling up properly by keeping the end nearest to you flush.



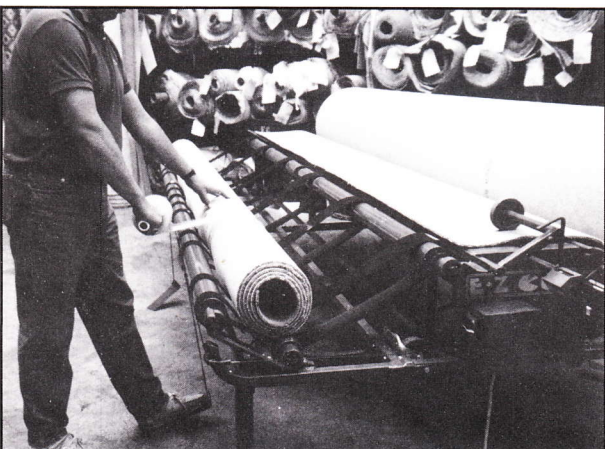
Continue to roll up the carpet by keeping the control cable depressed. At the same time, be sure to keep an eye on the counter, and be prepared to remove your foot from the control cable as you approach your desired length. If you stop the machine too soon or a little late, just inch your carpet in the appropriate direction by lightly tapping the control cable. (With the carpet rolled up and measured to the desired length, you can now prepare to make the cut.)



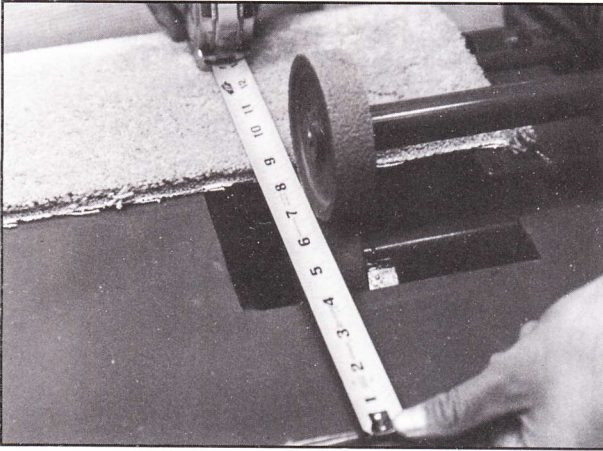
Now that the correct length has been reached, you can now disengage the right side cradle by shifting the clutch handle to the NEUTRAL position.



To cut the flooring, insert a utility knife in the cutting track at the far end and work your way back to the control end of the machine. By keeping the knife inside the cutting track, you will ensure a straight and accurate cut.



To wrap flooring, place stretchfilm under the edge of the flooring that has been cut and rolled up. Depress the control cable along the left side and let the stretchfilm wrap itself around the roll of flooring. Three or four full turns should be sufficient and this same procedure can be done with the roll remaining on the right side cradle.

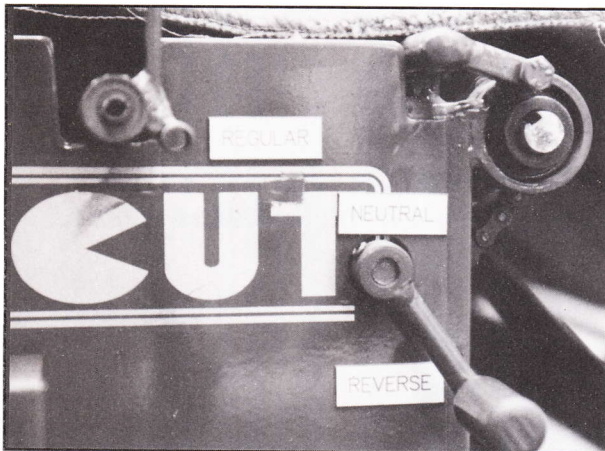


IMPORTANT: If you want to remeasure a FULL OR PARTIAL ROLL, you must add 7" to the measurement shown on the counter. This compensates for the distance (7") between the counter roller and the cutting track.

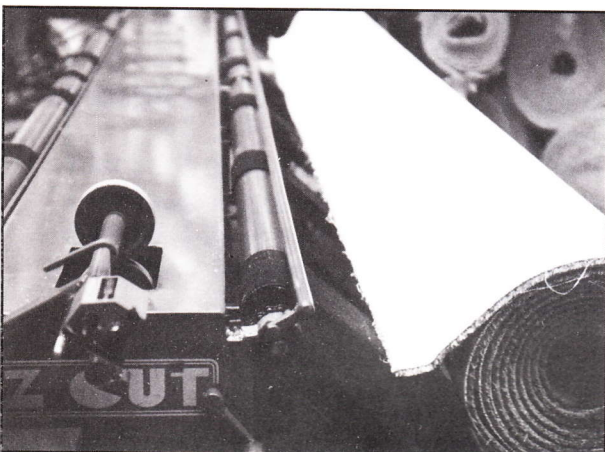
SUMMARY

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 PROCEDURES



To reverse roll carpet, push the REVERSE ROLL EXCHANGE handle down to the reverse position and ensure that the right side rollers move in the opposite direction.



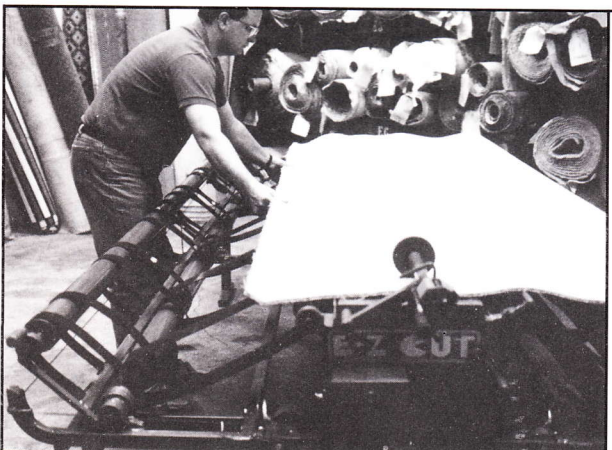
When loading carpet to be reverse rolled, ensure that the carpet feed is coming from the top with the backing facing up. Ensure that reverse roll bar is raised to upward position.



IMPORTANT: In order to get an accurate measurement of the flooring, you must relocate the counter from its bottom counting position to its top counting position.

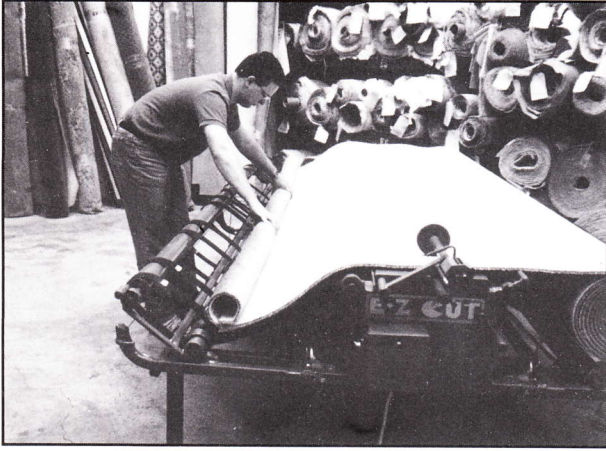
This repositioning is easily done by removing the small cotter pin, sliding out the entire counter, and repositioning it onto the top counter wheel.

Just insert the cotter pin and the counter is locked in and ready to go.

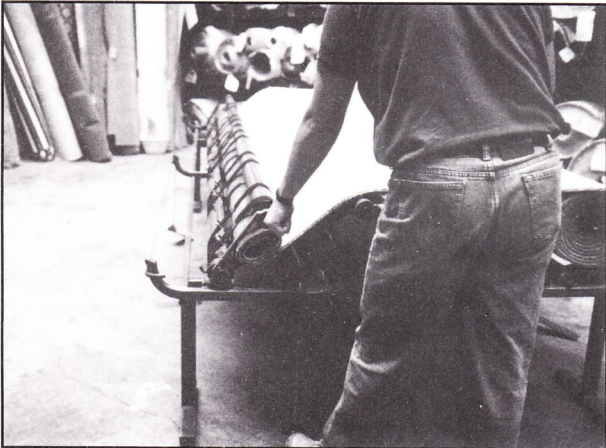


To begin the reverse roll procedure, you must position yourself along the left side, and with the aid of the foot cable, start it by hand.

IMPORTANT: Prior to starting it from the left side, you must first separate the counter wheels, guide the carpet through, stop it at the cutting track, and reset the counter.



To get the roll started, curl the edge over and gently tap the control cable for the first two or three feet.



Once the roll has been started, return to the main controls and curl up the cradle to the half-way position for the first five or six feet before returning the cradle to its original position.

IMPORTANT

Once reverse roll procedures are complete, be sure to return the counter to its original bottom counting position, and the reverse roll bar to its regular position.

MAINTENANCE

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 2½ to 4½ inches from bottom of gearbox.
- use a W80-90 gear oil.

Chains

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

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).

TROUBLESHOOTING

PROBLEM

SOLUTIONS

Machine will not run at all.

- A. Check extension cord connections.
- B. Check electrical panel in building.
- C. Push reset button on motor not running.
- D. Try both forward and reverse, if it works one direction only, then switch may be defective.

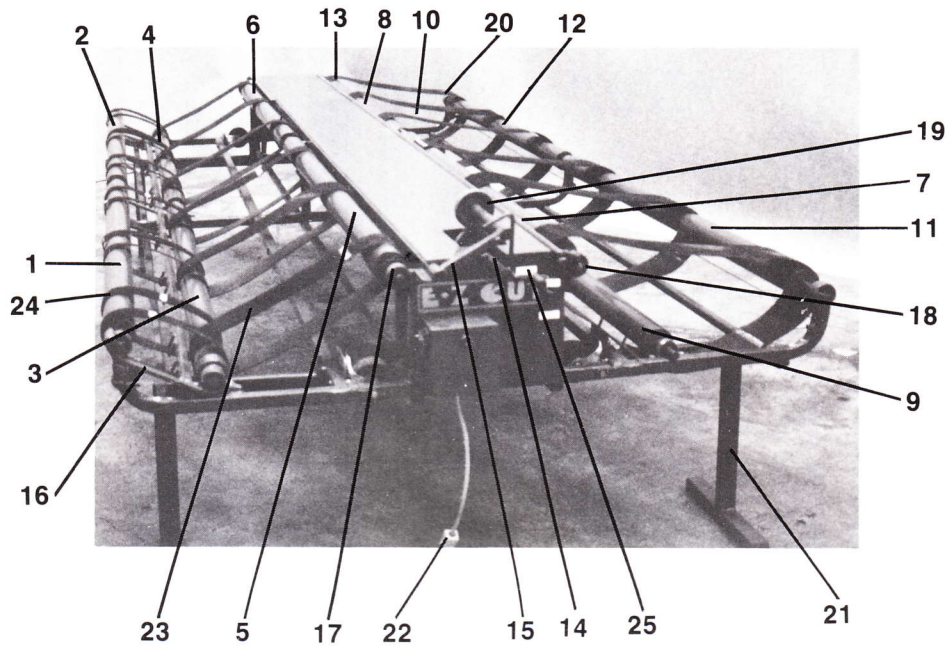
Control Cables

- A. 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.
- B. Clean off any metal fibres and dirt from relay.

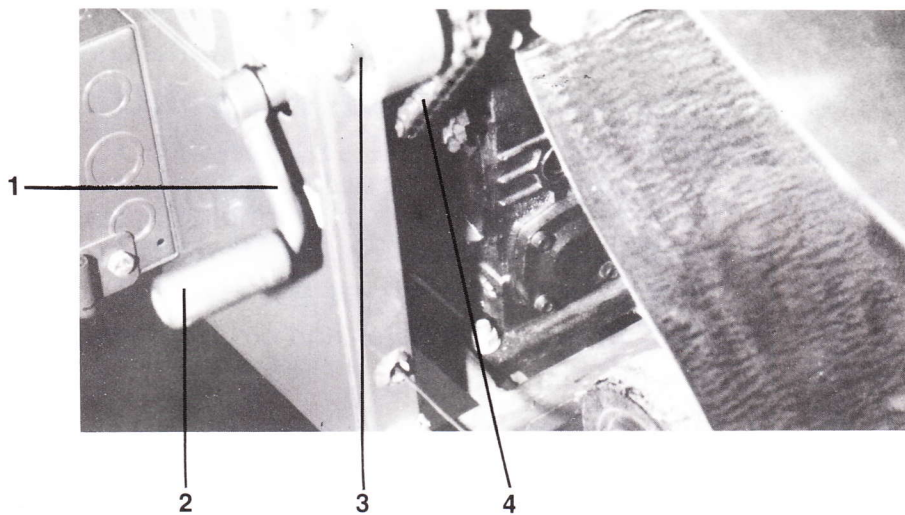
Reverse roll will not shift into gear.

- A. Shift while machine is in operation.
- B. Adjust shifting fork by moving spring sleeves on shifter shaft. (uses ⅛ allen wrench)
- C. Apply grease to fork and ring and roll pin area.

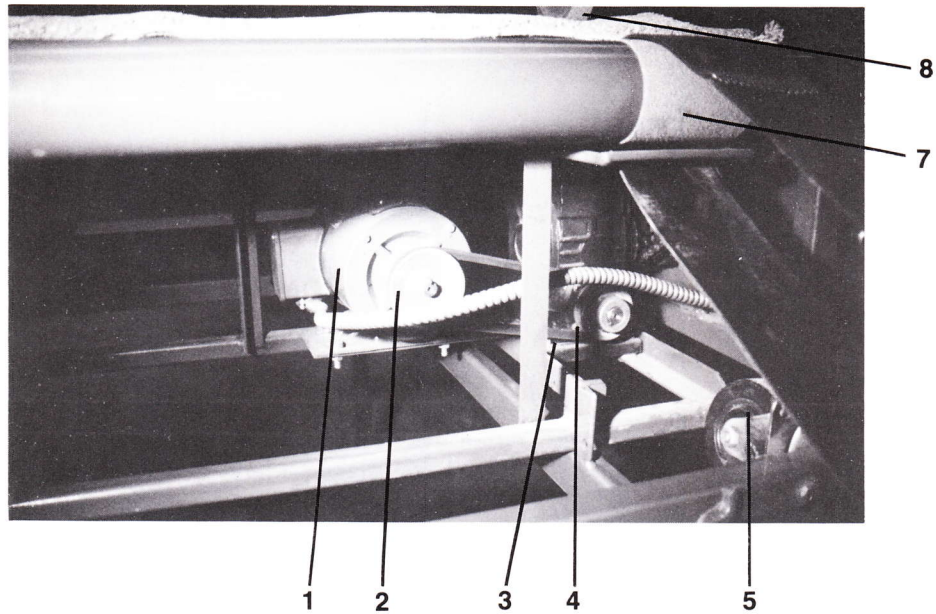
MACHINE PARTS LIST



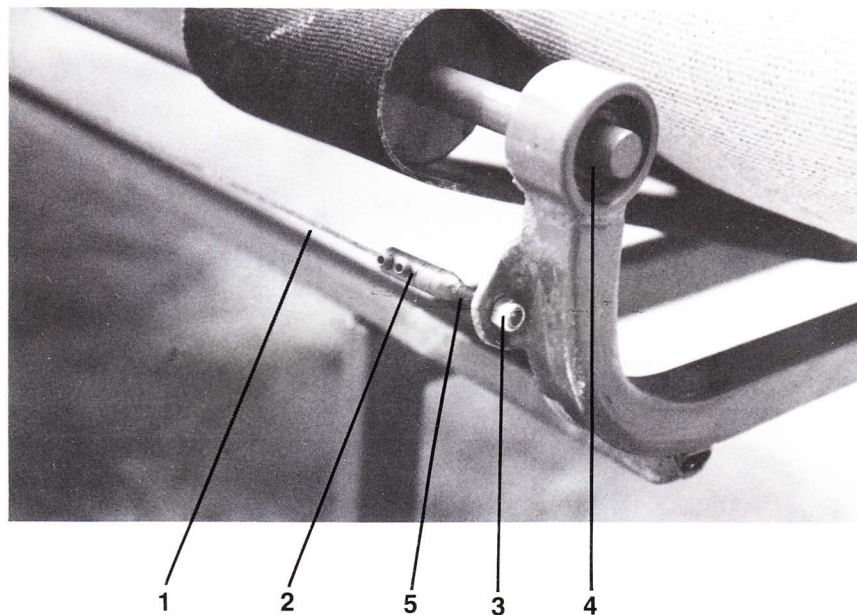
KEY	PART #	QTY.	DESCRIPTION	KEY	PART #	QTY.	DESCRIPTION
1	TRJ1	1	Left fold up roller (front)	14	CWJ1	1	Top counter bracket
2	TRJ2	1	Left fold up roller (back)	15	CWJ2	1	Bottom counter bracket
3	TRJ3	1	Left idler roller (front)	16	TBJ1	1	Fold up roller holder
4	TRJ4	1	Left idler roller (back)	17	TCJ1	1	Left chain cover
5	TRJ5	1	Drive roller (front)	18	TCJ2	1	Right chain cover
6	TRJ6	1	Drive roller (back)	19	CW1J	1	Counter wheel
7	TRJ7	1	Drive roller (front)	20	MRJ1	1	4" C.P.U. belt
8	TRJ8	1	Drive roller (back)	21	TJ02	1	Junior machine stand
9	TRJ9	1	Middle roller (front)	22	EP110	1	Plug connector
10	TRJ10	1	Middle roller (back)	23	MRJ3	1	4" C.P.U. belt
11	TRJ11	1	Right idler roller (front)	24	MRJ3	12	2" C.P.U. belt
12	TRJ12	1	Right idler roller (back)	25	CMIL	1	Imperial counter
13	TRJ13	1	Reverse roll bar		CMML	1	Metric counter



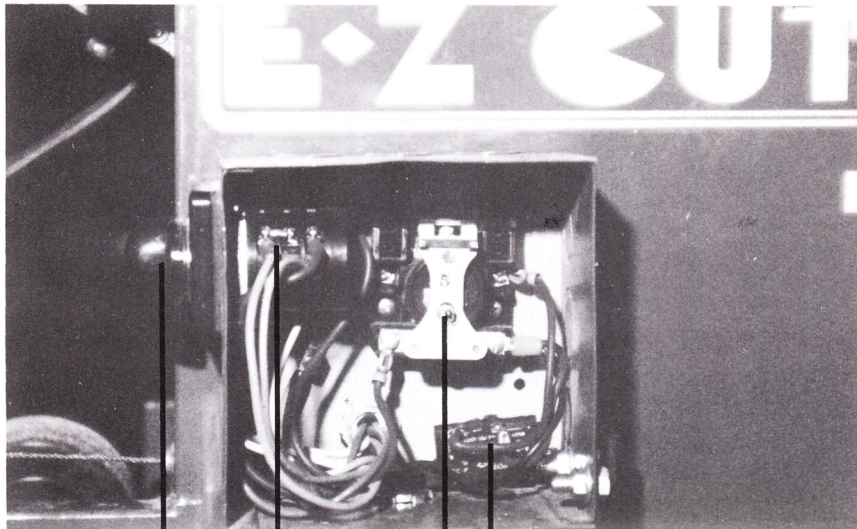
KEY	PART #	QTY.	DESCRIPTION
1	DGPJH	1	Reroll crank (JR)
2	PFJR	1	Reroll handle
3	B204-12	20	204-10 bearing
4	DCJ1	1	R/ #40 drive chain (JR)
	DCJ2	1	L/ #40 drive chain (JR) (not shown)



KEY	PART #	QTY.	DESCRIPTION
1	EM34	1	3/4 h.p. motor
2	DPA1-L3	1	5/8" x 3" alum A pulley
3	DBA23	1	A23 belt
4	DPA1-N2J	1	3/4" x 2 1/2" alum A pulley
5	MCW	4	H.D. caster wheels
7	MS	12	Safety walk
8	CWIJ	2	Counter wheel

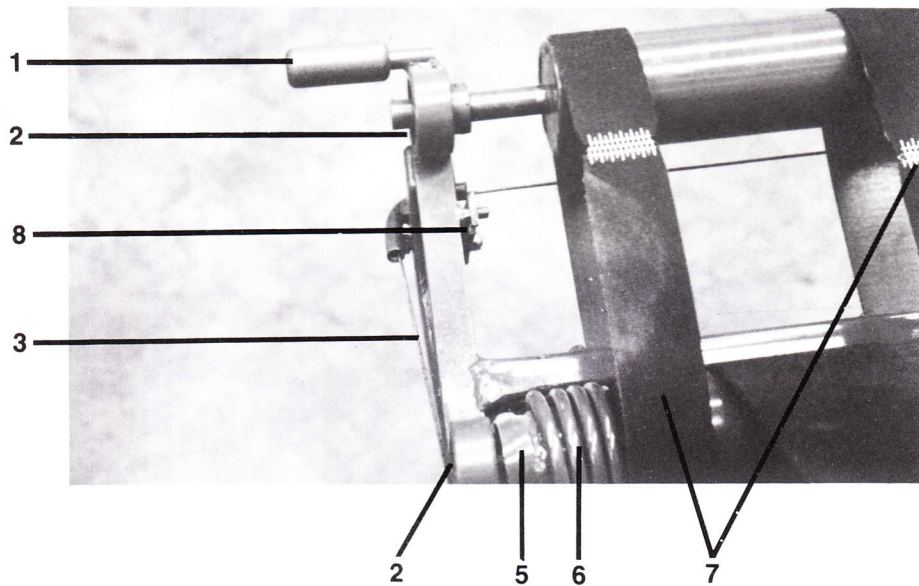


KEY	PART #	QTY.	DESCRIPTION
1	EFJ1	1	Foot pedal cable
	EFJ2	1	Base foot pedal cable bottom
2	EFJ9	4	Cable clamp
3	N14	4	1/4" nut
4	B204-12	20	204-12 bearing
5	NM14E	4	1/4" EYE hooks

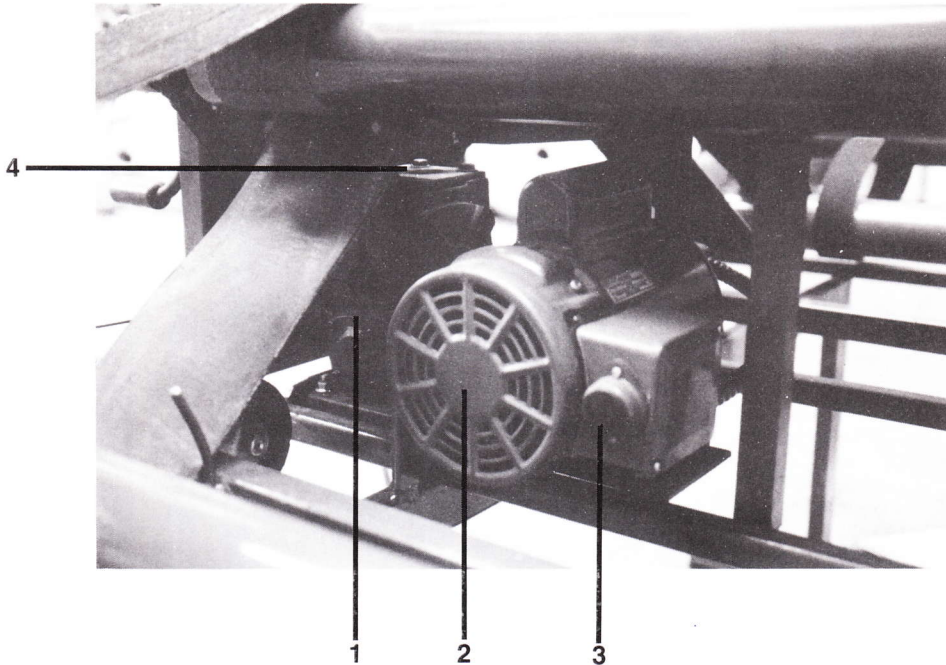


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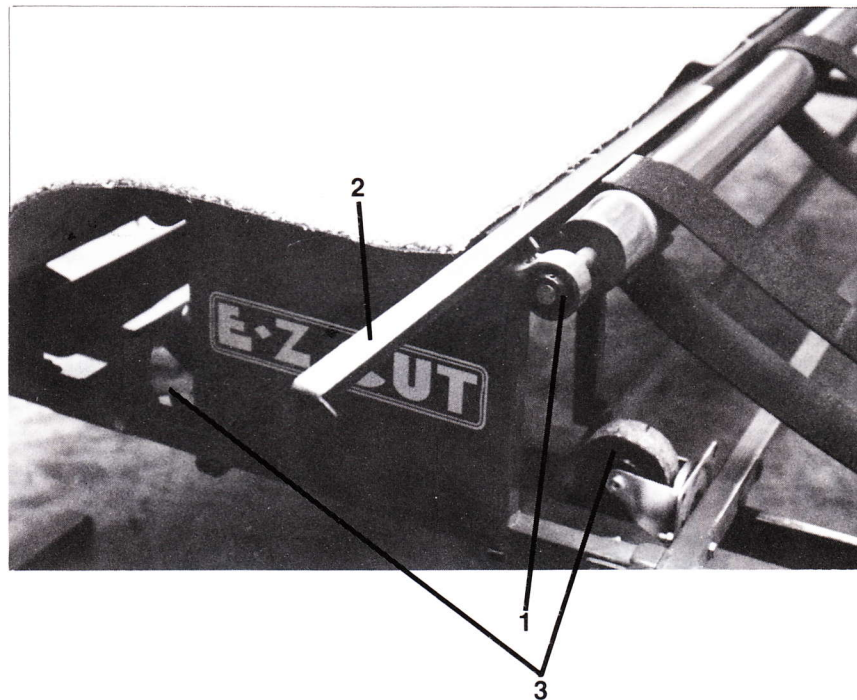
KEY	PART #	QTY.	DESCRIPTION
1	ESFRN	1	F/R knob
2	ESFR-2	1	F/R switch
3	ER1	1	Two pole relay
4	ESM	1	Microswitch
5	ESM-J1	1	Switch activator plate (not shown — behind panel)



KEY	PART #	QTY.	DESCRIPTION
1	PFLHJ	1	Fold up handle (JR)
2	B204-12	20	204-12 bearing
3	EFJ1	1	Foot pedal cable
4	EFJ2	1	Base foot pedal cable (not shown)
5	BS204	5	204 pillowblocks
6	TSFJ1	1	Fold up spring
7	MRJ3	12	2" C.P.U. belts
8	TJL	1	Fold up lock



KEY	PART #	QTY.	DESCRIPTION
1	DGR60	1	Gearbox
2	EM34	1	3/4" h.p. motor
3	EMR34	1	3/4" h.p. reset button
4	DGR60R	1	Gearbox reroll unit



KEY	PART #	QTY.	DESCRIPTION
1	B204-12	20	204-12 bearing
2	TJCE	1	Cutting bar extensions
3	MCW	4	Caster wheels



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.

NOTE: Before proceeding on any warranty repairs contact our office first.

For further information, contact:

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