Edlund Company, 159 Industrial Parkway, Burlington, VT 05401 802-862-9661 www.edlundco.com

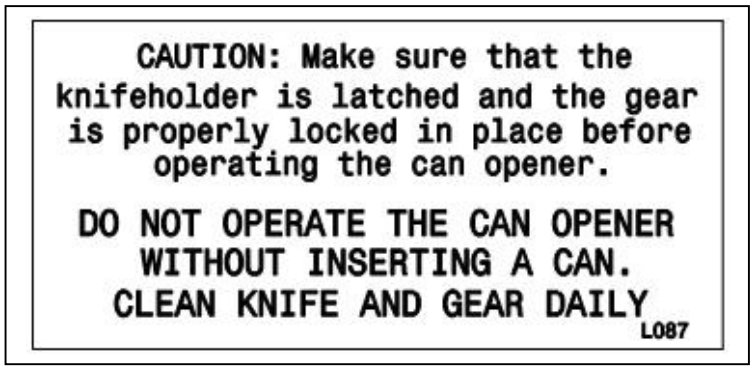
PRODUCT MANUAL- M089

MODEL 270C

Please read thoroughly before operation and keep for future reference.

I. LABELS

L087—CAUTION



II. SPECIFICATIONS--Model #270C Electric Can Opener

MODEL NO.	270C
POWER REQUIREMENTS	115 VOLT, 1.5 AMP, 50-60HZ
	230 VOLT, 0.8 AMP, 50-60 HZ
NORMAL SPEED	200-250 RPM
LOW SPEED	160-200 RPM
SIZE	9 3/4" X 9 3/4" X 26 1/4"
	(278mm x 278mm x 667mm)
WEIGHT	30 lbs. (13.6 kg.)
MAX. CAN HEIGHT	17" (432 mm)

III. CAN OPENER DESCRIPTION

The Model 270C electric can opener manufactured by the Edlund Company, Inc. is approved by the appropriate certifying organizations. The can opener is specifically designed to open cans taller than seven inches. All the external parts are manufactured of stainless steel and other non-corrosive materials. The knifeholder, knife, drive gear and shield can be removed easily without tools for replacement or cleaning.

The Model 270C operates at two speeds. The high speed is used for most can opening operations. The low speed is intended for difficult to open cans. The operating speed can be selected by positioning the rocker switch on the side of the opener to the speed desired.

IV. Can Opener Operation

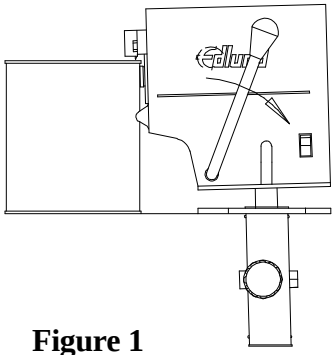


Figure 1

To operate the opener, first secure the opener's clamp base to the side of a worktable with the actuating lever of the can opener positioned toward the operator. See Figure 1. Plug the power cord into a grounded outlet with the same voltage as listed on the back of the can opener.

The can opener must now be adjusted to the height of the can that is to be opened. To accomplish this, loosen the knurled knob on the clamp base and raise the can opener by lifting it using the lever attached to the can opener base. Lock the can opener in position using the knurled knob so that the drive gear is just below the can's top bead and the knife easily clears the top of the can bead. The can opener is now in a position to open your cans.

Please read thoroughly before operation and keep for future reference.

To open the can, slide the can against the can opener drive gear. Hold the can against the drive gear while pushing back on the actuating lever. Remove your hand from the can when the can opener starts turning the can. The motor will start and the can will rotate until the lid is severed from the can. Raise the actuating lever to stop the opener.

To open a shorter or taller can, adjust the height of the opener to accept the new can height. If the can opener cannot be adjusted low enough to accept the shorter can, the operator must support the can on his/her left hand. Place the can's top bead just over the drive gear and push back on the actuating lever until the can is firmly held between the knife and gear. The supporting hand must be removed until the can is opened. After you have opened the can, raise the lever and grasp the can simultaneously. See Figure 2.

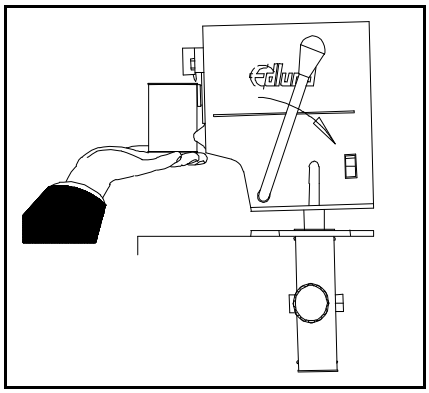


Figure 2

CAUTION: SEVERED CAN LIDS HAVE SHARP EDGES. USE OF PROTECTIVE GLOVE OR TONGS IS ADVISED WHEN HANDLING LIDS.

V. CLEANING AND MAINTENANCE INSTRUCTIONS

WARNING: NEVER CLEAN OR MAINTAIN ANY CAN OPENER WITHOUT UNPLUGGING THE UNIT FROM ELECTRICAL POWER SOURCE.

THE CAN OPENER MUST BE KEPT CLEAN.

The Model 270C can opener must be kept clean, not only for the obvious reasons of sanitation, but more important, for operational reasons as well. The rotary knife of an electric can opener must rotate freely for the can opener to operate properly. If the knife is bound by residual food product, the knife will not rotate and wear will not be distributed around the periphery of the knife.

MORE IMPORTANT THAN THE WEAR, A NON-ROTATING KNIFE WILL NO LONGER BE SHEARING THE METAL CAN TOP AS DESIGNED AND METAL SLIVERS MAY OCCUR!

The knifeholder, knife, gear and shield can be removed as follows in order to clean and maintain the Model 270C can opener.

Removal of the knifeholder, knife, gear and shield.

1. To remove the above parts, first rotate the knifeholder latch clockwise as shown in Figure 3.
2. Slide the knifeholder to the right, as shown in Figure 4.
3. Rotate the knifeholder counterclockwise and then pull it off to the right as shown in Figure 5. Knifeholder is now free.
4. To remove the knife, grasp it by the shoulder, twist it and pull it off as shown in Figure 6.
5. To remove the gear and the shield, rotate the shield 1/4 turn clockwise as shown in Figure 7.
6. The shield and the gear can now be removed as shown in Figure 8.

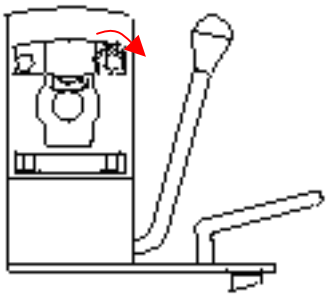


Figure 3.

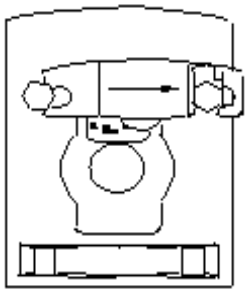


Figure 4.

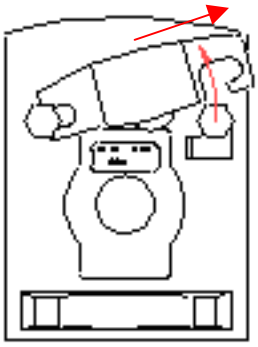


Figure 5.

Figure 6.

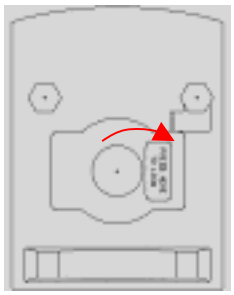


Figure 7.

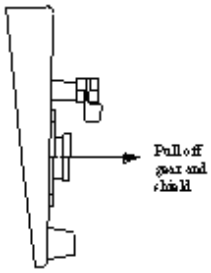


Figure 8.

Reassembly of knife holder, knife, gear and shield.

1. Place the shield over the output shaft in the position shown and press the shield. Press firmly against the front of the opener. See Figure 9.

2. Place the gear over the square output shaft and push the gear against the shaft shoulder. See Figure 9.

3. Lock the shield and the gear in place by pressing where the words "Press here to lock" are located. The shield and the gear are locked when a click is heard. See Fig. 9. Check to be sure pulling out on the gear locks the gear. If the gear is properly locked in place it will not come off.

4. Reattach the knife by grasping the knife shoulder. Slide the knife over the "O" ring on the knife stud. Twist and push the knife until it is seated against the knife holder. See Figure 10.

5. To reattach the knife holder, place the left slot over the left shoulder screw. Rotate the knife holder clockwise until the right slot slides over the right shoulder screw. See Figure 12.

6. Push the knife holder to the left.

7. Rotate the knife holder latch counterclockwise until the knife holder is locked in place. See Figure 13.

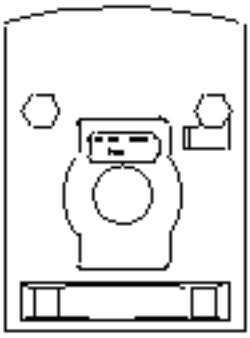


Figure 9.

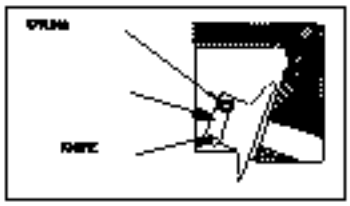


Figure 10.

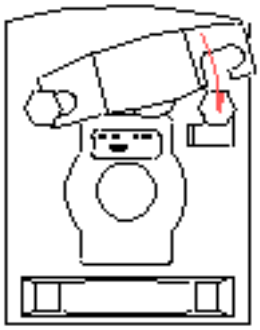


Figure 11.

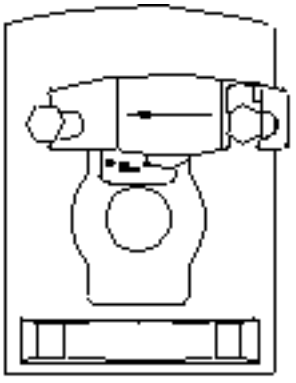


Figure 12.

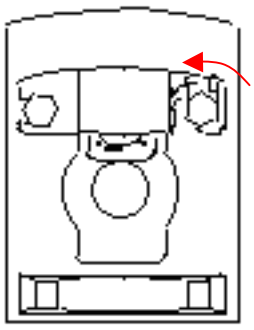


Figure 13.

Please read thoroughly before operation and keep for future reference.

CAUTION: MAKE SURE THAT THE KNIFEHOLDER IS LATCHED AND THE GEAR IS PROPERLY LOCKED IN PLACE BEFORE OPERATING THE CAN OPENER.
DO NOT OPERATE THE CAN OPENER WITHOUT INSERTING A CAN.

1. The knife should be removed often so that the knife, knife stud and knife holder can be properly cleaned. Remove the knife holder, which contains the knife stud and knife according to the above instructions and clean the knife, knife stud and knife holder. After these parts are clean, the knife stud, which is part of the knife holder, should be examined to make sure that the rubber "O" ring on the knife stud is in place and in good condition. To greatly reduce the chances of the knife sticking, the knife and knife stud should be lubricated with vegetable oil. Replace the knife so that the larger diameter of the knife is toward the front boss of the knife stud. BE SURE THAT THE KNIFE ROTATES EASILY AFTER IT IS ASSEMBLED ON THE KNIFE STUD.

BEFORE EACH USE, INSPECT THE EDGE OF THE CAN OPENER KNIFE FOR NICKS OR SIGNS OF WEAR.

2. The factory-made edge of the can opener knife is designed to shear through the metal can lid. It will not function properly if allowed to become dull or nicked. If through wear a knife becomes excessively dull, it will be difficult to pierce the can and the knife will no longer sever the lid completely at the end of the cut. Replace the knife when it becomes excessively dull or if nicks occur on the cutting edge.

WARNING: NEVER TRY TO SHARPEN A CAN OPENER KNIFE. IF THE KNIFE EDGE IS MADE TRULY SHARP, IT CAN SHAVE OFF SLIVERS.

3. The teeth of the drive gear must be clean and sharp. Remove and clean the teeth of the drive gear after each use to remove the build-up of food residues. If the drive gear starts to slip on the bead of the can, its teeth may be worn. Replace the gear by using the previous disassembly and assembly instructions.

4. The can opener housing and other external parts are made of stainless steel and can be easily cleaned using a damp cloth.

WARNING: NEVER CLEAN ANY PART OF THE OPENER WITHOUT UNPLUGGING FROM THE ELECTRICAL POWER SOURCE. NEVER SUBMERGE OR PLACE CAN OPENER IN WATER.

4A. Can openers manufactured with a gas spring have a vent screw located in the bottom of the can opener base to allow for drainage of any accumulated liquid food product. This screw must be removed periodically to make sure the vent hole is open for drainage.

5. The can opener must be checked periodically to be sure that if it is released at its highest level that it will descend slowly. If it descends faster than one inch a second than the spring plungers located under the black caps must be adjusted inward until the proper rate of descent is obtained.

5A. Can openers manufactured with a gas spring to assist in lifting the opener must be lowered by pushing down on the lever located on the can opener base and locking it at the proper can height using the knurled locking knob. The can will rise by itself or be lifted with very little effort when the knurled locking knob is loosened.

WARNING: NEVER PLACE YOUR HANDS OR ANY PART OF YOUR BODY BETWEEN THE CAN OPENER BASE AND THE TABLE CLAMP BASE. INADVERTENT LOOSENING OF THE KNURLED KNOB MAY CAUSE THE CAN OPENER TO DESCEND AND CAUSE DAMAGE TO THESE BODY PARTS.

6. If for any reason the can opener does not function properly, consult the Troubleshooting Guide for assistance or contact an authorized service agent.

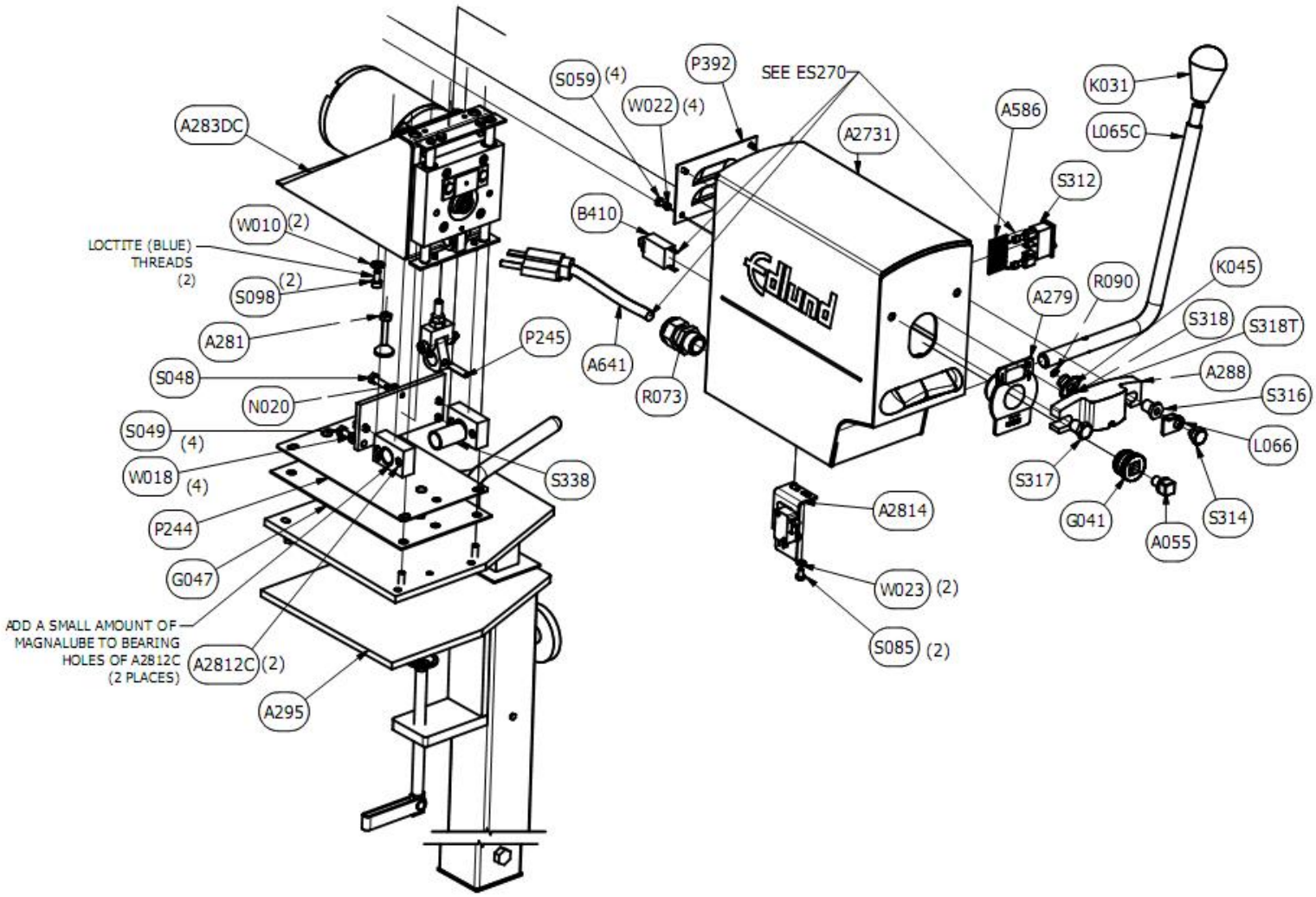
WARRANTY: The Edlund Company warrants these products to be free from defects in material and workmanship for a period of three year from date of purchase. The company's obligation under this warranty is limited to repairing or replacing without charge any part or parts found to be defective under normal use. It is the responsibility of the purchaser to return the entire unit to the factory or a factory service branch, transportation charges prepaid. This warranty does not cover parts that must be replaced under normal use, including knives and drive gears on can openers. The company authorizes no other warranty, written or verbal. Carrier is responsible for merchandise in transit to you.

VI. TROUBLE SHOOTING GUIDE

Problem	Cause	Correction
I. Can opener will not start.	1. Cordset not plugged into outlet.	1. Plug cordset into grounded outlet with same voltage as listed on rating label located on back of opener.
	2. Circuit breaker tripped.	2. Reset breaker, if breaker continues to trip replace breaker (B410).
	3. Inoperative actuating switch.	3. Replace switch (S228).
	4. Motor may have failed.	4. Check motor and replace motor/geartrain assembly with **appropriate voltage** motor.
	5. Broken wires or loose terminals.	5. Check wiring for continuity and repair or replace as required.
	6. Broken two-speed switch.	6. Replace switch (S312), with diode assembly (A586).
	7. Cordset has broken wire.	7. Check for continuity and replace as required.
	8. Blown fuse on cordset (Great Britain - 230 volt motor)	8. Check fuse and replace as necessary.
II. Can opener rejects cans.	1. Clearance between back of knife and front of gear too large (see sketch).	1. With lever in locked down or actuating position, check clearance between back of knife and front of gear using flat feeler gage. Clearance should be 0.017-0.022. Adjust clearance by removing gear adapter (A055) and adding slims (S318) as required.
	2. Motor actuates too soon.	2. Remove housing assembly from base and adjust on position of motor by screwing switch actuator (S049) out or by moving switch assembly until motor starts when knife is at top of gear teeth
	3. Knife not rotating.	3. Remove knifeholder from front of housing. Remove knife and clean knife, knife stud and knife mounting surface. Lubricate knife stud and knife with non-sticking vegetable oil or Vaseline and replace. Knife must rotate freely.

III. Drive gear won't turn can.	1. Worn gear.	1. Replace gear (G041).
	2. Clearance between top of gear and bottom of knifeholder not correct.	2. Remove base and adjust clearance between top of gear and bottom of knifeholder to 0.100-0.105 by moving height adjusting screw (A054) up or down to obtain correct clearance. Clearance measured with lever in locked down or actuating position.
	3. Worn knife stud.	3. Check for worn knife stud and replace knifeholder if stud worn.
	4. Weld broken on rear of frame or on housing bracket located in side housing assembly (A2731).	4. Remove base and check for broken welds. Repair as required.
	5. Output shaft does not turn.	5. Replace motor/geartrain assembly per **appropriate** voltage.
	6. Worn can stop on knifeholder.	6. Readjust height, using height adjusting procedure.
IV. Slivers found on can lid or in food product.	1. Factory knife edge nicked or altered.	1. Replace knife (K045) and "O" ring (R090).
	2. Knife doesn't rotate.	2. Check knife and clean and lubricate as required (see II-3).
	3. Sharp edge on knifeholder.	3. Check knifeholder for sharp edge or grooves. Replace or repair as required.
	4. Drive gear is slipping or milling (removing metal from can bead).	4. See Problem III-2.
V. Knife won't sever lid completely.	1. Dull knife.	1. Replace knife (K045) and "O" ring (R090). Verify gear to knife spacing.
VI. Shield and drive gear will not lock in place.	1. Shield latch not functioning.	1. Remove knifeholder, gear and shield. Check to make sure latch located through hole in front of housing moves up and down easily and spring is holding latch down. If latch is not moving easily or spring is not functioning, disassemble and remove motor
VII. Model 270C can opener descends too fast when knurled knob is loosened.	1. Friction pads need to be adjusted.	1. Remove two black caps located on the side of the clamp base and adjust spring plungers inward. Opener should not descend faster than one inch or 25mm per minute.

270C—EXPLODED VIEW—115V



270C ASSEMBLY AND PARTS LIST--115V

QTY	PART NUMBER	DESCRIPTION
1	A055	ADAPTER, DRIVE GEAR
1	A2731	WELDMENT, 270C HOUSING ASSEMBLY, 115V
1	A279	ASSEMBLY, GEAR SHIELD
1	A281	ASSEMBLY, SWITCH ACTUATOR
2	A2812C	ASSEMBLY, 270C LEVER ARM BEARING MOUNT
1	A2814	ASSEMBLY, ROLLER SWITCH
1	A2815	ASSEMBLY, LEVER CAM
1	A283DC	ASSEMBLY, 270 FRAME, MOTOR/GEAR TRAIN, 115V
1	A288	ASSEMBLY, KNIFE HOLDER
1	A295	ASSY, 270C BASE W/ GAS SPRING & CLAMP
1	A586	ASSEMBLY, SPEED CONTROL DIODES
1	A641	ASSEMBLY, CORD W/ CONNECTORS
1	B410	BREAKER, THERMAL, 1.2 A
1	G041	GEAR, CAN DRIVE
1	G047	GASKET, BASE
1	K031	KNOB, LEVER ARM
1	K045	KNIFE
1	L049	NSF LABEL
1	L065C	LEVER, 270C ACTUATOR
1	L066	LATCH, KNIFEHOLDER
1	L087	CAUTION LABEL, RED, 270
1	N020	NUT, #10-32 SS HEX
1	P244	PLATE, GASKET
1	P245	PIN, ROLL, 3/16 DIA. X 13/16
1	P296	PLATE, 270C LINKAGE STOP
1	P392	PLATE, LOUVER COVER
1	R073	CORDGRIP, STRAIGHT THRU, LTF 11
1	R090	RING, O, KNIFE STUD

QTY	PART NUMBER	DESCRIPTION
4	S048	SCREW, #10-32 X 3/4, SS HEX HEAD
4	S049	SCREW, #10-32 X 3/8, SS HEX HEAD
4	S059	SCREW, #6-32 X .25 HEX HEAD, SS
2	S085	SCREW, #8-32 X 1/4 S/S RHM SLOTTED
2	S098	SCREW, #10-32 X 3/8 SHCS, SS
1	S312	SWITCH, ROCKER--HI/LOW
1	S314	SCREW, KNIFE HOLDER, RH LATCH SHOULDER
1	S316	SCREW, KNIFE HOLDER, RIGHT SHOULDER
1	S317	SCREW, KNIFE HOLDER, LEFT SHOULDER
1	S318	SHIM, SS, 0.005 THK
1	S318T	SHIM, .015 X .335 X.438
1	S338	SPACER, ACTUATOR LEVER
2	W010	WASHER, FLAT, #10 SS
4	W018	WASHER, #10 LOCK, PLATED
4	W021	WASHER, #10 LOCK, SS
4	W022	WASHER, #6 LOCK, SS
2	W023	WASHER, #8 LOCK, SS

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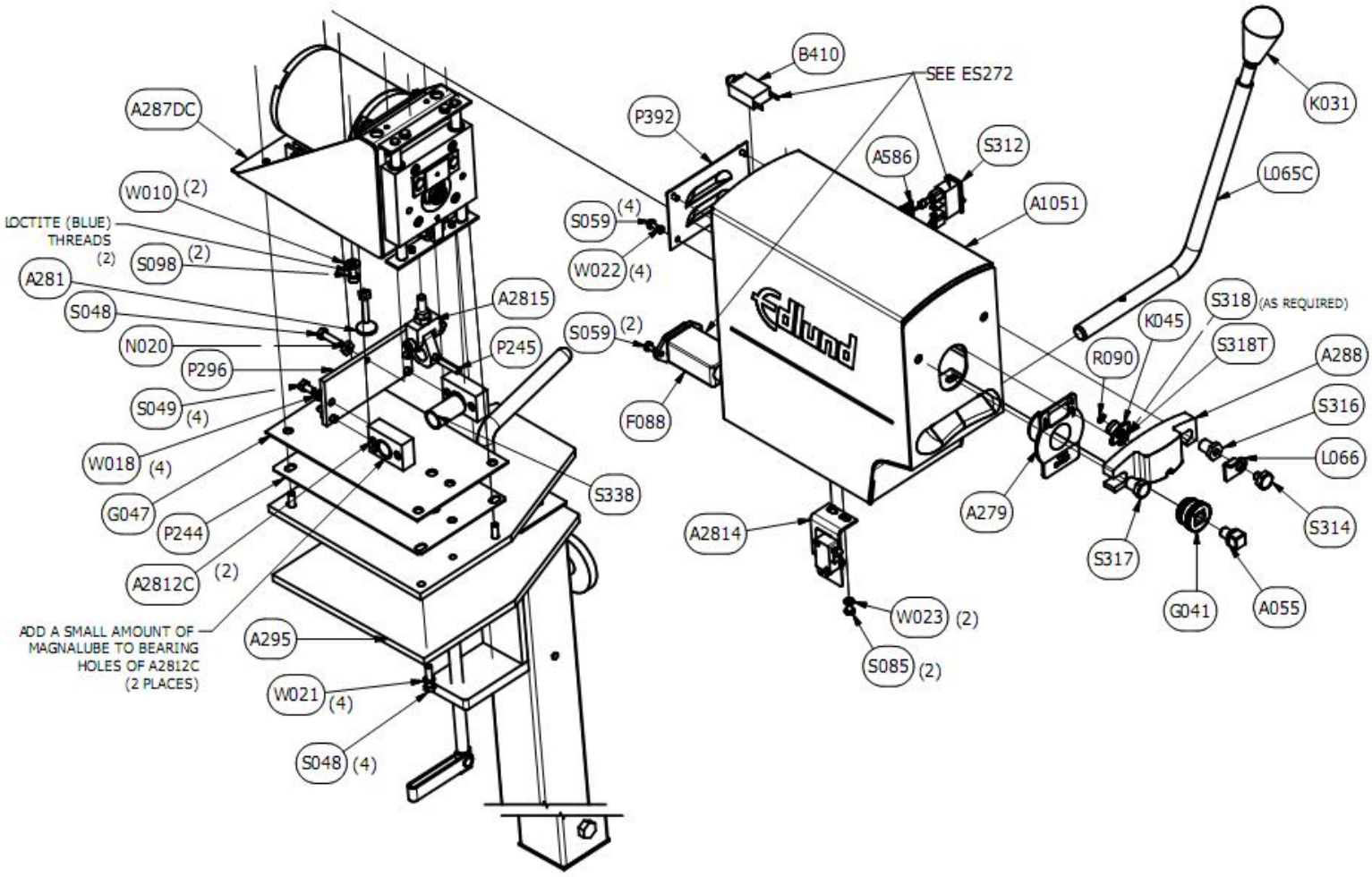
270C—EXPLODED VIEW—230V



270C ASSEMBLY AND PARTS LIST--230V

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1	A055	ADAPTER, DRIVE GEAR
1	A1051	WELDMENT, 270C HOUSING ASSEMBLY, 230V
1	A279	ASSEMBLY, GEAR SHIELD
1	A281	ASSEMBLY, SWITCH ACTUATOR
2	A2812C	ASSEMBLY, 270C LEVER ARM BEARING MOUNT
1	A2814	ASSEMBLY, ROLLER SWITCH
1	A2815	ASSEMBLY, LEVER CAM
1	A287DC	ASSEMBLY, 270 FRAME, MOTOR/GEAR TRAIN, 230V
1	A288	ASSEMBLY, KNIFE HOLDER
1	A295	ASSY, 270C BASE W/ GAS SPRING & CLAMP
1	A586	ASSEMBLY, SPEED CONTROL DIODES
1	B410	BREAKER, THERMAL, 1.2 A
1	F088	FILTER, EMI
1	G041	GEAR, CAN DRIVE
1	G047	GASKET, BASE
1	K031	KNOB, LEVER ARM
1	K045	KNIFE
1	L049	NSF LABEL
1	L065C	LEVER, 270C ACTUATOR
1	L066	LATCH, KNIFEHOLDER
1	L087	CAUTION LABEL, RED, 270
1	N020	NUT, #10-32 SS HEX
1	P244	PLATE, GASKET
1	P245	PIN, ROLL, 3/16 DIA. X 13/16
1	P296	PLATE, 270C LINKAGE STOP
1	P392	PLATE, LOUVER COVER
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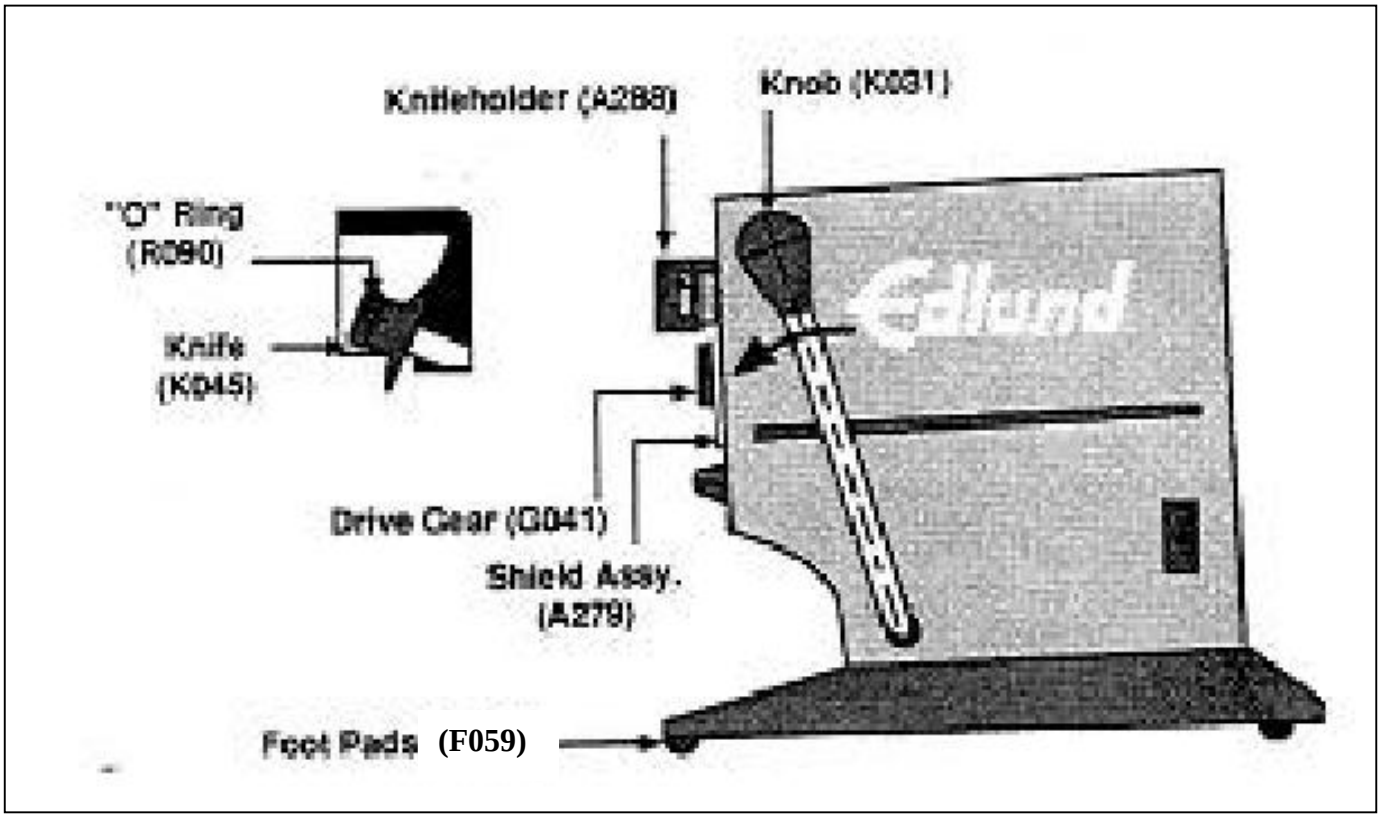
1	S316	SCREW, KNIFE HOLDER, RIGHT SHOULDER
1	S317	SCREW, KNIFE HOLDER, LEFT SHOULDER
1	S318	SHIM, SS, 0.005 THK
1	S318T	SHIM, .015 X .335 X.438
1	S338	SPACER, ACTUATOR LEVER
2	W010	WASHER, FLAT, #10 SS
4	W018	WASHER,#10 LOCK, PLATED
4	W021	WASHER,#10 LOCK, SS
4	W022	WASHER,#6 LOCK, SS
2	W023	WASHER, #8 LOCK, SS

REPLACEMENT PARTS

PART NUMBER	DESCRIPTION
A279	SHIELD
A288	KNIFEHOLDER
F059	FOOT PADS
G041	DRIVE GEAR
K031	KNOB
K045	KNIFE
R090	"O" RING
S318	SHIM



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