

**INSTRUCTIONS FOR
OPERATION, SERVICE AND MAINTENANCE FOR
P-79-SS & P-79-EP
POWER LINE BAND SAW**

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INTRODUCTION:

CONGRATULATIONS, YOU HAVE ACQUIRED A POWER LINE BAND SAW, WHICH IS MADE OF HIGH QUALITY, LONG LASTING MATERIALS THAT SHOULD GIVE YOU YEARS OF TROUBLE FREE OPERATION AND DURABLE SERVICE. BEFORE YOU UNPACK YOUR NEW POWER LINE BAND SAW, **IT IS OF VITAL IMPORTANCE THAT YOU AND ANY PERSON THAT WILL OPERATE THIS UNIT THOROUGHLY READ THIS MANUAL.**

WARNINGS:

- THIS MACHINE IS DESIGNED TO CUT FOOD PRODUCTS AND IS BY NATURE DANGEROUS, IF NOT USED AND MAINTAINED PROPERLY FOR OPTIMUM SAFETY.
- DO NOT ALLOW UNTRAINED OR UNQUALIFIED PERSONNEL TO OPERATE THIS EQUIPMENT.
- NEVER PERFORM SERVICE, CLEANING OR MAINTENANCE ON THIS UNIT WHILE CONNECTED TO A POWER SOURCE.
- NEVER USE HANDS OR FINGERS TO FEED PRODUCTS TO CUT, OR INTRODUCE HANDS INTO THE BLADE TRACK AREA, WITHIN 4" (FOUR INCHES) CLOSE TO THE BLADE, WHILE IN OPERATION.
- DO NOT LEAVE THE MACHINE UNATTENDED WHILE IN OPERATION

I. UNPACKING

1.- WHILE UNPACKING THE MACHINE TAKE SPECIAL CARE IN REMOVING THESE COMPONENTS AND MAKE SURE THAT ALL ARE ACCOUNTED FOR.

1 SPARE BAND SAW (6) *
1 SPARE FIBER GUIDE (17)
1 SCRAP PAN (26)

***NOTE:** FOR REFERENCE NUMBERS SEE **FIG-6**

II. INSTALLATION

BEFORE CONNECTING TO THE POWER SOURCE FOLLOW THESE EASY ASSEMBLY AND PREPARATION STEPS. (NEVER EXECUTE THESE PROCEDURES WITH THE CORD PLUGED TO THE POWER SOURCE).

- 1.- SET THE SAW ON A CLEAN AND LEVEL SURFACE, USING THE LEVELING LEGS(28)
- 2.- BE SURE THAT THE WHEELS (2 & 25) AND BLADE (6) RUN FREE OF OBJECTS.
- 3.- CLOSE ALL THE DOORS
- 4.- SELECT THE WORK PLACE, AND:
 - A.- BE SURE THAT THE SURFACE IS LEVELED AND CLEAN.
 - B.- CHECK AGAIN AND ASSURE THE SAW IS PERFECTLY LEVELED ON ITS PLACE [USE LEVELING LEGS (28)].

NOTE: CHECK THE POWER SOURCE OF YOUR FACILITY, AND BE SURE IT MATCHES THE REQUIREMENTS OF THE UNIT. THE VOLTAGE OF THE MOTOR CAN BE CHANGED BY A QUALIFIED ELECTRICIAN, TO DO THIS PLEASE CONTACT YOUR POWER LINE DEALER.

- C.- MAKE SURE THAT THE ON-OFF ROD (12) OR THE CONTROL BOX (12) IS AT THE OFF POSITION.
- D.- CONNECT THE SAW TO THE POWER SOURCE (IT MUST BE CLOSE TO THE SAW).

WARNING:

**NEVER OPERATE THE MACHINE WITH THE DOORS OPEN
SERIOUS INJURY MAY HAPPEN**

III. OPERATION

IMPORTANT: FOR THE FIRST TIME USAGE YOU MUST CUT A COUPLE OF POUNDS OF SCRAP CLEAN PRODUCT TO CLEAN THE BLADE (6) OF ANY DIRT OR FOREIGN DEBRIS.

NORMAL OPERATION OF THE SAW:

THE NORMAL STEPS TO OPERATE THE SAW ARE AS FOLLOWS:

- 1.- SELECT THE THICKENS OF CUT, USING THE GAUGE PLATE ASSY (11).
- 2.- PUT THE PRODUCT ON THE CARRIAGE (8)
- 3.-TURN ON THE MACHINE (**DO NOT LEAVE MACHINE UNATTENDED WHILE IN OPERATION**).

NOTE: YOUR SAW CAN COME EQUIPPED WITH A CONTROL BOX (12)
OR WITH ON-OFF ROD (12).

- 4.- PLACING THE PRODUCT AGAINST THE GAUGE PLATE (11) YOU CAN START TO CUT, IT IS RECOMMENDED TO WORK FRONT FACE TO THE GAUGE PLATE,**ONCE AGAIN ,NEVER PUT YOUR HANDS OR FINGERS CLOSE TO THE BLADE,SERIOUS PERSONAL INJURY MAY HAPPEN.**
- 5.- YOU MAY START TO CUT THE PRODUCT.

IV. KEY ELEMENTS IN CUTTING QUALITY PRODUCT

- 1.- DO NOT FORCE THE CUT AGAINST THE BLADE (6).
- 2.- BE SURE OF USING ALWAYS SHARP SAW BLADES.
TO KNOW IF YOU ARE STILL USING A SHARP BLADE, PAY ATTENTION TO THE FEEL OF THE CUT. IF YOU HAVE TO FORCE FEED THE PRODUCT TO CUT INTO THE BLADE THEN YOU NEED A NEW SHARP BLADE, IF THE CUT FEELS SMOOTH AND WITHOUT MUCH EFFORT THEN YOUR BLADE IS STILL OK.

NOTE: IF YOU NEED TO REPLACE IT, FOLLOW THE PROCEDURE DESCRIBED ON SECTION V : CLEANING (STEPS 1 AND 10)

- 3.- KEEP CLEAN AND FREE OF ANY PRODUCT OR SCRAP, THE GUIDES (15, 16 & 17), WHEELS (2 & 25) AND CLEANERS (20), **NEVER ATTEMPT ANY CLEANING WHILE THE MACHINE IS CONNECTED TO THE POWER SOURCE.**

NOTE: IT IS NOT RECOMMENDED TO USE RE-SHARPENED BLADES BECAUSE YOU WILL CREATE MORE SCRAP IN YOUR PRODUCT AND HAVE A LESS EFFICIENT OPERATION.

V. CLEANING

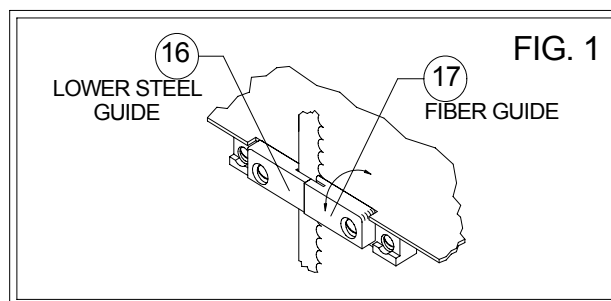
WARNING

ALWAYS UNPLUG OR DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE ATTEMPTING CLEANING OR SERVICE.

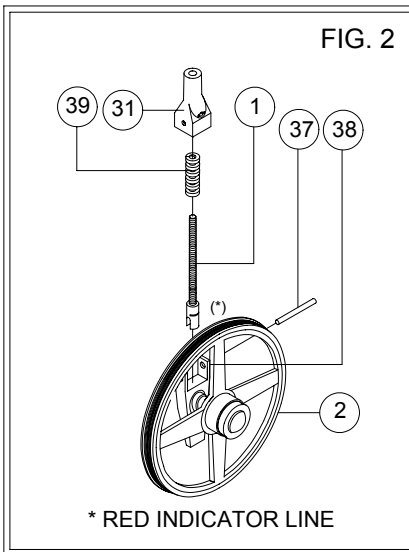
NOTE: IT IS RECOMMENDED TO CLEAN THE MACHINE DAILY. **FOR THE DAILY CLEANING** REMOVE ALL THE SCRAP OF THE MACHINE WITH THE SCRAP PAN AND A BRUSH. THEN CLEAN THE MACHINE ; FOR MODEL ST-200- PE USE A SOFT BRUSH WITH A MILD DETERGENT, AND THEN RINSE WITH WATER. (DO NOT USE A WATER HOSE ON MODEL P79-EP). **FOR MODEL P79-SS YOU CAN USE A WATER HOSE FOR A BETTER AND DEEPER CLEANING.**

ALSO IT IS RECOMMENDED TO DO AT LEAST ONCE A WEEK A MORE THROUGH CLEANING FOLLOWING THIS PROCEDURE:

- 1.- REMOVE THE BLADE FOLLOWING THESE EASY STEPS:
 - A.- OPEN THE HEAD DOOR (19) AND THE LOWER (RIGHT) DOOR (23).
 - B.- ROTATE-UP THE FIBER GUIDE (17).(**SEE FIG. 1**)

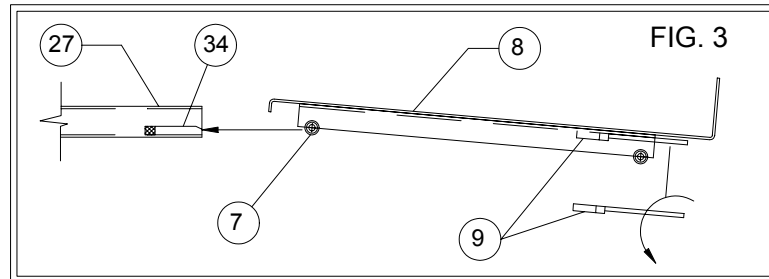


- C.- PLACE THE UPPER SLIDING BAR (29) UNTIL IT IS ABOUT THREE INCHES ABOVE THE TABLE ASSY. (5).
- D.- TURN THE TENSION HANDLE (18) COUNTER CLOCKWISE, UNTIL BLADE (6) IS LOOSE.
- E.- PULL OUT THE BLADE (6) FROM THE WHEELS (2 & 25) GUIDES (15, 16 & 17) AND SCRAPERS (20).
- 2.- HOLD THE UPPER WHEEL (2) WITH ONE HAND AND WITH YOUR OTHER HAND TURN THE TENSION HANDLE (18) COUNTER COLCKWISE UNTIL IT'S COMPLETELY OUT OF THE ROD.
- 3.- SLIDE THE UPPER WHEEL (2) DOWN, OUT OF THE TENSION GUIDES (32) AND REMOVE IT, **BE CAREFUL BECAUSE IT'S HEAVY AND IF IT FALLS MAY CAUSE A PERSONAL INJURY.**
- 4.- THE UPPER WHEEL (2) IS ASSEMBLED TO THE TENSION GAUGE ASSY. (**SEE FIG.2**). DISASSEMBLE THE TENSION GUIDE ASSY. REMOVING THE TENSION GAUGE PIN (37) WITH YOUR HANDS. THIS WILL LET YOU TAKE OUT THE TENSION GAUGE HOUSING (31), TENSION GAUGE SPRING (39), THE ROD AN INDICATOR (1), AND THE UPPER WHEEL HANGER (38). CLEAN THESE PARTS USING A SOFT BRUSH AND A MILD DETERGENT, RINSE WITH WATER. ASSEMBLE AGAIN, REVERSING THE DISASSEMBLE ORDER, TAKING CARE THAT THE PAINTED SIDE OF THE ROD AND INDICATOR (1) FACE THE HOLE AT THE TENSION GAUGE HOUSING (31).



- 5.- MOVE THE CARRIAGE (8) TO YOUR RIGHT UNTIL STOP, THEN WITH YOUR FINGER, LIFT THE CARRIAGE-LOCK (9) AND SLIDE AGAIN TO YOUR RIGHT TO REMOVE THE CARRIAGE FROM IT'S GUIDE (**SEE FIG. 3**).
- 6.- REMOVE THE TABLE ASSY (5) FOLLOWING THESE STEPS:
- A.- BE SURE THAT THE HEAD DOOR (19) AND THE RIGHT DOOR (23) ARE STILL OPEN.
- B.- REMOVE THE BLADE SAW (6), FOLLOWING THE STEPS DESCRIBED ON POINT 1 OF THIS SECTION.
- C.- LOSE THE KNOB (33) OF THE TABLE ASSY.

- D.- STAND UP IN FRONT OF THE SAW , PUSH FORWARD AND ROTATE UP THE TABLE ASSY. (5), UNTIL THE RODS (22) GET OUT OF THE ROD'S HOUSING (21) THEN, TAKE OUT THE TABLE ASSY..
- 7.- NOW YOU CAN CLEAN THE SAW MORE EASILY. (WE RECOMMEND TO DO THIS AT

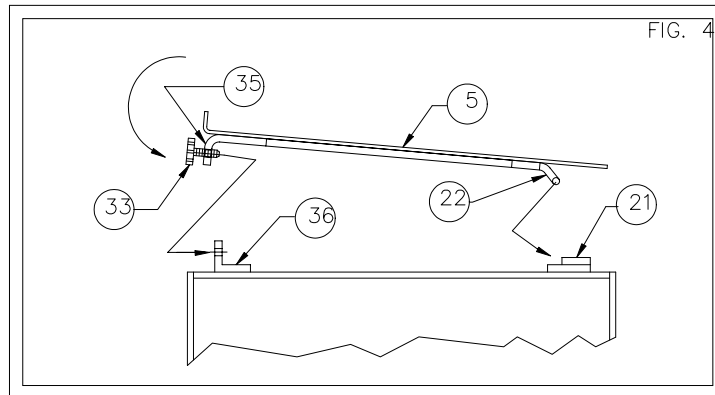


LEAST ONCE A WEEK) **OR MORE OFTEN IF YOU WANT.**

- 8.- AFTER A VERY THROUGH CLEANING AND DRYING OF THE MACHINE AND ITS DISASSEMBLED COMPONENTS HAS BEEN DONE, PUT THEM BACK, AS IT IS DESCRIBED:

- 9.- HOW TO INSTALL THE TABLE ASSY. (5):

- A.- BE SURE THAT THE HEAD DOOR (19) AND THE RIGHT DOOR (23) ARE STILL OPEN.
- B.- CAREFULLY TAKE THE TABLE ASSY. (5), PLACE IT ON, BEING SURE THAT THE RODS (22), GET LOCKED ON THE HOUSING RODS (21).
- C.- THEN TIGHT THE KNOB (33) FIRMLY. **SHOWN FIG. No. 4**



- 10.- HOW TO INSTALL THE CARRIAGE (8):

- A.- TAKE THE CARRIAGE (8) TO YOUR RIGHT.
- B.- GET THE LEFT WHEELS (7) CLOSE TO THE CARRIAGE GUIDE (27) AND ASSURE TO PUT BOTH WHEELS (7) IN TO THE GUIDE.
- C.- MOVE THE CARRIAGE (8) ALL THE WAY TO THE LEFT [THE CARRIAGE-LOCK (9)] WILL ENGAGED AUTOMATICALLY .

- 11.-HOW TO INSTALL THE SAW BLADE (6).

- A.- BE SURE OF THE DIRECTION OF THE CUT (TEETH MUST FACE DOWN, SEE DETAIL " A " ON **FIG 6**).
- B.- PUT THE BLADE (6) ON THE WHEELS (2 & 25), INTO THE GUIDES (15,16 & 17) AND INTO THE SCRAPERS.(20).

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- C.- TURN THE TENSION HANDLE (18) CLOCK WISE UNTIL THE RED SPOT (1) IS IN THE CENTER OF THE HOLE, OF THE TENSION GAUGE HOUSING.(31).
- D.- TURN THE UPPER WHEEL (2) COUNTER CLOCK WISE 2 OR 3 REVOLUTIONS BY HAND, **VERY SLOWLY AND WITH CAUTION** TO BE SURE EVERY THING IS OK.

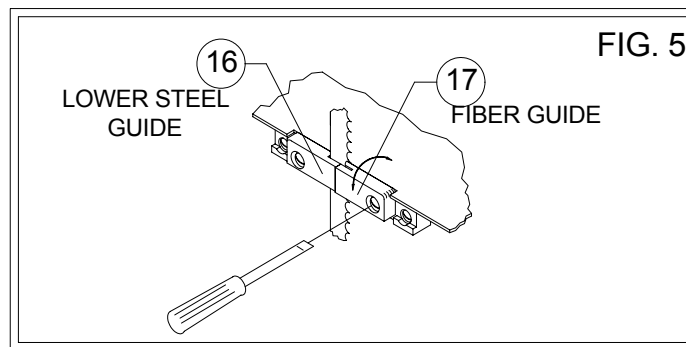
NOTE: DO NOT OVER TIGHTEN THE BLADE, THE EXCESSIVE TENSION WILL CAUSE OVERHEAT AND THE BLADE MIGHT BRAKE WITH POTENTIAL PERSONAL INJURY.

VI. MAINTENANCE

WARNING

ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE EXECUTING ANY SERVICE OR MAINTENANCE.

- 1.- **BLADE:** AFTER CLEANING THE SAW, CHECK THE SHARPNESS OF THE BLADE (6) AS DESCRIBED ON SECTION IV (POINT 2) IF IT IS NOT SHARP REPLACE IT, FOLLOWING POINTS 1 & 10 ON SECTION V: "CLEANING".
- 2.- **FIBER GUIDE:** THE PURPOSE OF THIS GUIDE IS TO KEEP THE BLADE STRAIGHT TO HELP YOU IN THE CUT OF THE PRODUCT, IF YOU SEE THE BLADE IS NOT CUTTING IN A STRAIGHT PATH, OR YOU SEE THE CLEARANCE OF GROOVE IN THE FIBER GUIDE (17) TO BE MORE THAN 1/8 OF AN INCH, IT'S TIME TO REPLACE IT.
ALSO IT IS ADVISABLE TO REPLACE THIS COMPONENT AT LEAST ONCE EVERY 2 MONTHS DEPENDING ON WORK LOAD.
TO REPLACE THE FIBER GUIDE FOLLOW THESE STEPS AND SEE FIG 5:



- A.- STOP THE MACHINE AND DISCONNECT FROM THE POWER SOURCE.
- B.- SLIDE THE CARRIAGE (8) ALL THE WAY TO THE LEFT.
- C.- WITH A SCREWDRIVER (4) REMOVE THE BOLT FROM IT'S PLACE AND REPLACE WITH A NEW FIBER GUIDE (2).

NOTE: IT IS RECOMENDED TO HAVE A POWER LINE DEALER TECHNICIAN DO A COMPLETE MAINTENANCE CHECK TO THIS MACHINE AT LEAST ONCE A YEAR .

THANK YOU FOR SPENDING THE TIME TO READ THIS MANUAL.
IF THERE ARE ANY QUESTIONS PLEASE CONTACT YOUR POWER LINE DEALER

FIGURE 6
PARTS LIST FOR SCHEMATICS

ITEM	DESCRIPTION	QTY.
1.-	ROD AND INDICATOR (1/2")	1
2.-	UPPER WHEEL	1
3.-	ADJUST SCREW	1

4.- HEX. NUT 3/8" S.S.	1
5.- TABLE ASSY.	1
6.- BLADE	1
7.- CARRIAGE WHEEL (FIG. 3)	4
8.- CARRIAGE	1
9.- LOCK S.S. (FIG.3)	1
10.- MOTOR 1.5 H.P. 1 PH. (NOT SHOWN)	1
MOTOR 2 H.P. 3 PH. (NOT SHOWN)	1
11.- GAUGE PLATE ASSY.	1
12.- ON/OFF SWITCH	1
13.- POWER CORD (1 PH.)	1
POWER CORD (3 PH.)	1
14.- PULLEY 4" (NOT SHOWN)	1
15.- UPPER SAW GUIDE	1
16.- LOWER GUIDE (STEEL)	1
17.- FIBER GUIDE	1
18.- TENSION HANDLE	1
19.- HEAD DOOR	1
20.- WHEEL SCRAPER (CLEANER)	6
21.- BASE ROD'S HOUSING (FIG. 4)	1
22.- BASE ROD (FIG. 4)	1
23.- LOWER DOOR (RIGHT)	1
24.- SMALL PLATE	1
25.- LOWER WHEEL 14"	1
26.- PAN (S.S)	1
27.- CARRIAGE GUIDE	1
28.- LEVELING LEGS	4
29.- SLIDING BAR	1
30.- BLADE GUARD	1
31.- TENSION GAUGE HOUSING	1
32.- TENSION GUIDES	2
33.- KNOB	1
34.- STOP CARRIAGE BLOCK (RIGHT) (FIG.3)	2
35.- KNOB HOLE (FIG 4)	2
36.- BASE KNOB HOUSING (FIG. 4)	1
37.- TENSION GAUGE PIN	1
38.- TENSION GAUGE HANGER	1
39.- TENSION GAUGE SPRING	1
40.- MICROWITCH (ONLY FOR MODEL P79-SS)	2

