



Electronic Service Manuals

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Serving the Cleaning Industry Since 1922

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Heavy Duty Polisher

SeaRay 175HD

INTRODUCTION

This operator's book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury or damage equipment, furniture or buildings.

For new books write to:

Pacific
2259 S. Sheridan
Muskegon, MI 49442-6252

Carefully inspect all components to ensure that there is no concealed freight damage. If such damage is discovered, file a "CONCEALED DAMAGE REPORT" immediately with the delivering carrier.

OPERATING & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

The contents of this manual are based on the latest product information available at the time of publication. Pacific reserves the right to make changes or improvements to its machines without notice.

FOR YOUR CONVENIENCE, RECORD THE MACHINE MODEL AND SERIAL NUMBER:

MODEL _____

SERIAL NUMBER _____

PART NUMBER _____

DATE PURCHASED _____

IMPORTANT SAFETY INSTRUCTIONS

To assure the safe operation of this machine, you must read and understand all warnings and instructions in this book. If you do not understand, ask your supervisor.

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE

WARNING: To reduce the risk of fire, electric shock, or injury:

1. You must be trained to operate this machine. This machine is to be operated for its intended use only.
2. Do not operate this machine unless it is completely assembled.
3. Always use a three-wire electrical system connected to the electrical ground. For maximum protection against electrical shock, use a circuit that is protected by a ground fault circuit interrupter. Consult your electrical contractor.
4. To prevent electric shock, always remove the electrical plug from the electrical outlet before doing any repairs or maintenance and when leaving the machine unattended.
5. To prevent electric shock, keep the machine surface dry. Do not subject to rain. Store the machine in a dry building area. Clean the machine with a dry cloth only.
6. Machines can cause an explosion when near flammable materials and vapors. Do not use this machine with or near fuels, grain dust, solvents, thinners, or other flammable materials. Do not use flammables to clean this machine.
7. A qualified or authorized person must do maintenance and repairs.
8. To prevent damage to the power cord, do not move this machine over the power cord. Always lift the power cord over the machine. Do not pull or carry cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Keep cord away from heated surfaces.
9. Do not use with damaged cord or plug. If the machine is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.

Grounding Instructions

This machine must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the machine - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

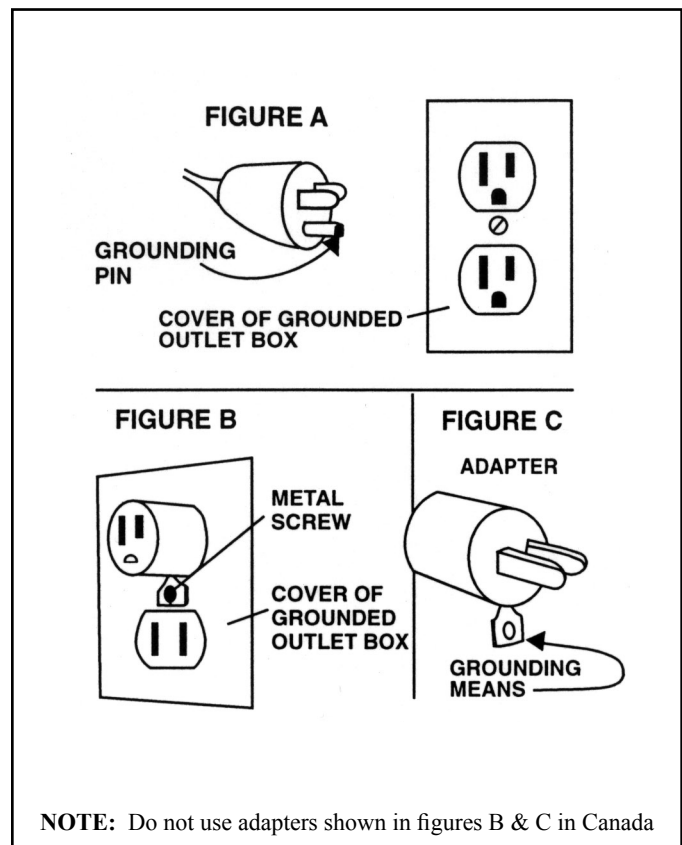
This machine is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in figure A. A temporary adapter that looks like the adapter illustrated in figures B and C may be used to connect this plug to a 2-pole receptacle as shown in figure B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (figure A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code

EXTENSION CORDS

Use only three-wire 12/3 or larger gauge approved extension cords that have three-prong grounding type plugs and three-pole receptacles that accept the appliance's plug. Replace or repair any damaged cords or plugs.

When servicing, refer to authorized person only. Use only identical replacement parts.



OPERATING PROCEDURES

WARNING! For the safe operation of this machine follow the instructions given in this manual and the training given by your supervisor. Failure to do so can result in personal injury and/or damage to machine and property!

DO NOT OPERATE MACHINE IN AN EXPLOSIVE ENVIRONMENT!

This machine is intended for commercial use.

PREPARATION

To prepare the machine for operation, make sure it is of correct voltage and properly assembled.

Your new floor machine operates in the normal side to side motion of a conventional single disc machine. Be prepared before starting by removing all obstructions or other obstacles in the area to be cleaned. Check the proper application recommendations and procedures found on the label of your cleaning or finish container. **IF IN DOUBT, CALL YOUR SUPERVISOR.**

WARNING! NEVER USE THIS MACHINE WITH FLAMMABLE OR EXPLOSIVE MATERIAL!

For Scrubbing or Polishing: Select the correct floor pad or brush (your supplier can help you). If in doubt, ask your supervisor.

NEVER OPERATE THE MACHINE WITHOUT THE FLOOR PAD OR BRUSH INSTALLED!

To properly attach the brush, **UNPLUG THE FLOOR MACHINE**, place the handle in the vertical position, then tilt the machine back until the handle rests on the floor. Straddle the handle, facing the motor, and grasp the brush with the block toward you. Place the brush or pad clutch plate over the three lugs on the motor drive adapter. Twist the brush right to lock it into position. To remove the brush, **UNPLUG THE MACHINE** and follow the same procedure as above, but by twisting the brush off with a firm jerk to the left. Remove the brush or pad driver when the machine is not in use. This will help prevent brush damage and reduce wobble problems.

OPERATION

Plug the machine's power cable into a properly grounded outlet (see Safety Instructions). Next, adjust the handle height to a comfortable position.

Pull out on the "Watch Dog" Safety Lock button and start the machine by depressing either the left or right switch levers.

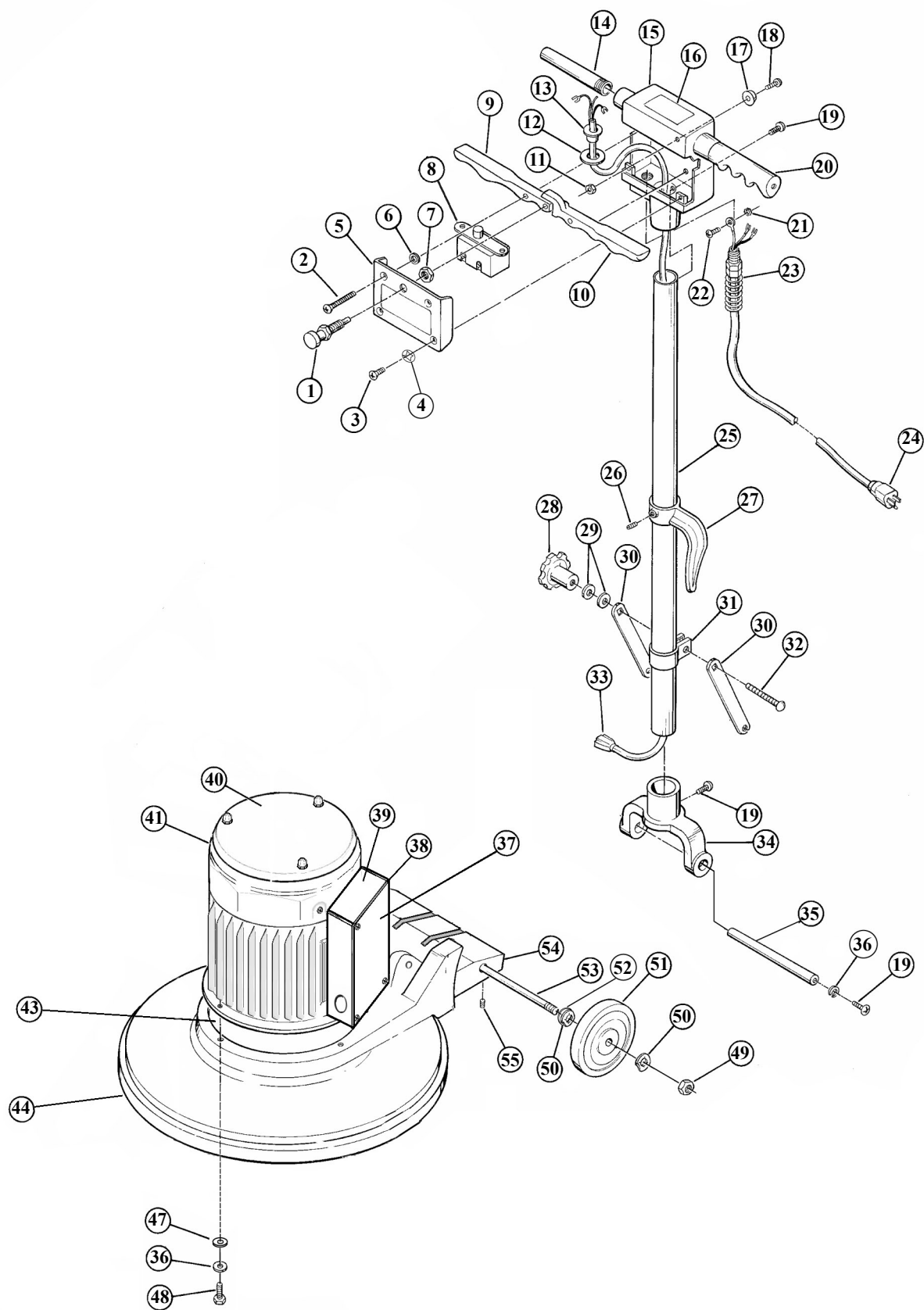
Both hands should be placed on the handle when the machine is in operation. The machine will glide sideways over the floor by a slight raising and lowering of the handle. Raise the handle slightly to go to the right. Lower the handle slightly to go left. **Releasing the switch lever stops the machine at once.**

MAINTENANCE

AFTER EACH USE: Store the machine in a clean dry area. Wipe the entire machine and cord down with a clean cloth. Remove the pad or brush and clean thoroughly. Wrap the machine's electrical cord onto the handles and the cord hook provided. **CHECK** the cord and plug for nicks, cuts or damage. Report these to your supervisor for correction.

WARNING! Always disconnect the machine's electrical plug from the electrical outlet before performing any service, maintenance, pad changing or inspection of the machine.

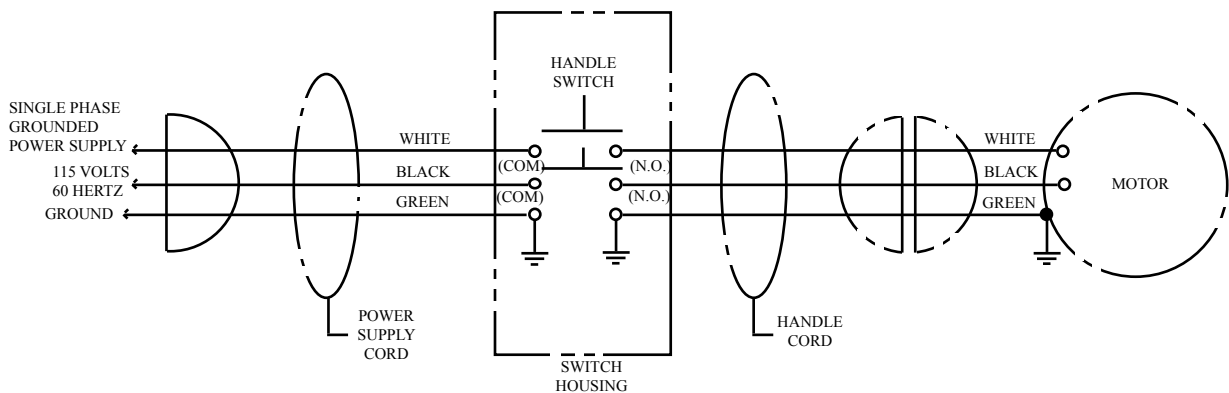
SeaRay 175HD



SeaRay 175HD Parts List

ITEM	PART NO.	DESCRIPTION	QTY.
1	504810	Interlock Asm.-Switch	1
2	962011	Screw, 10-32 x 3/4 Oval Hd.	2
3	962002	Screw, 10-32 x 1/2 Oval Hd.	2
4	980018	Washer, #10 Countersunk	1
5	486404	Switch Cover Plate	1
6	509821	Washer, Rubber	2
7	920005	Nut, 3/8-24 Hex	1
8	508020	Switch Assembly	1
9	505120	Lever, Switch Right	1
10	505121	Lever, Switch Left	1
11	920001	Nut, 10-32 Elastic Stop	1
12	509830	Washer, Handle Tube	1
13	503320	Flange, Strain Relief	1
14	505720	Handle Nipple	2
15	481304	Switch Box	1
16	515150	Warning Label	1
17	501210	Bumper, Handle	1
18	962003	Screw, 10-32 x 3/4 Pan Hd.	1
19	962006	Screw, 1/4-20 x 1/2 Pan Hd.	6
20	503711	Handle Grip, Grey	2
	501501	Cap, Protective End	2
21	980015	Washer, #10 Ext. Tooth	2
22	962015	Screw, 10-32 x 3/8 Pan Hd.	2
23	508520	Strain Relief-Complete	1
	502020	Strain Relief-Brass Clamp	1
24	502422	Cord Asm.- Yellow	1
25	509082	Handle Tube	1

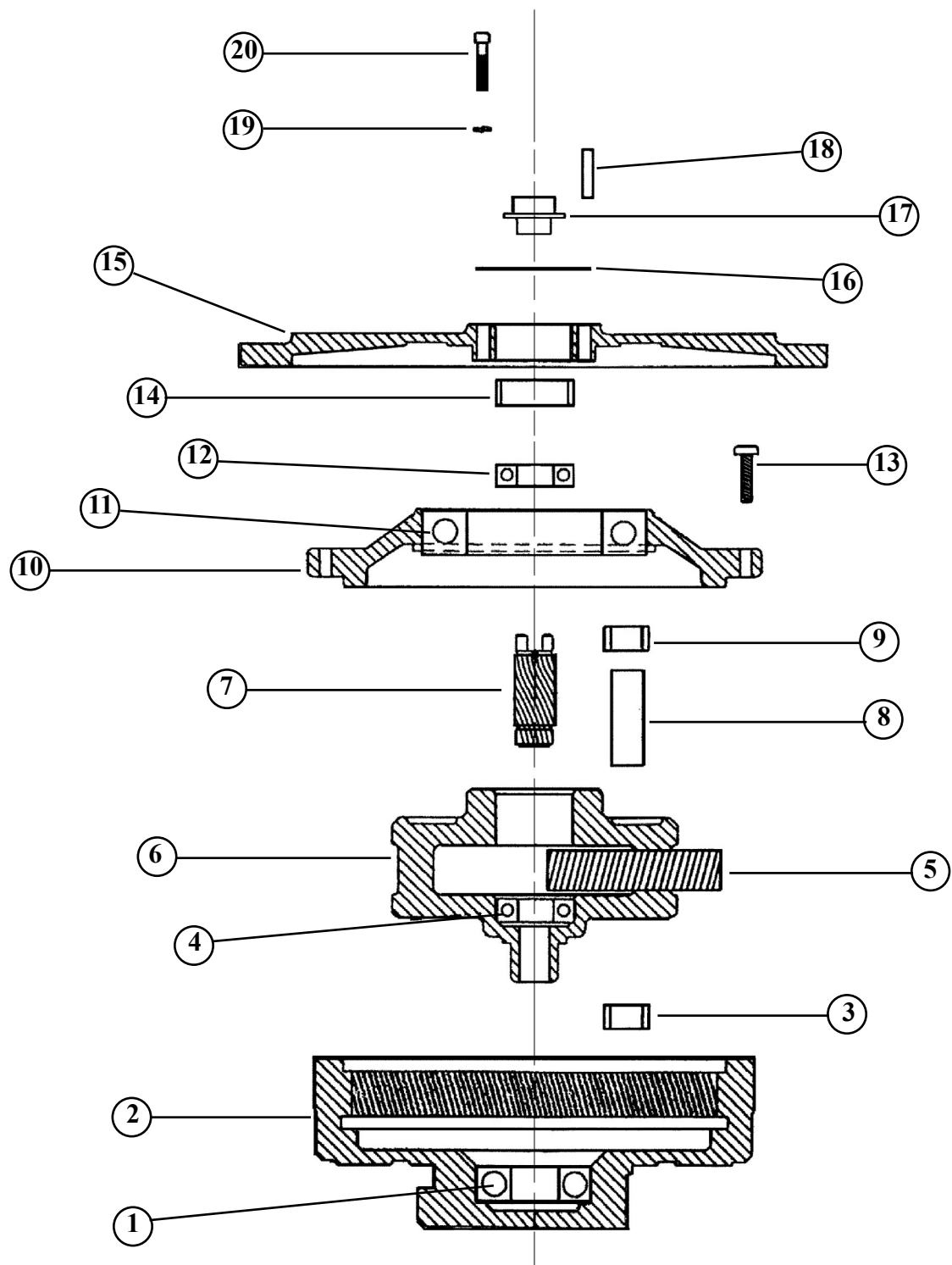
ITEM	PART NO.	DESCRIPTION	QTY.
26	962005	Screw, 1/4-20 x 3/8 Set	1
27	504420	Cord Hook	1
28	505010	Turn Knob	1
29	980007	Washer, 5/16 Flat	2
30	500840	Handle Brace	2
31	502021	Clamp-Handle	1
32	962009	Bolt, Carriage 5/16-18 x 2-1/2	1
33	908004	Handle Cord	1
34	509920	Yoke, Handle	1
35	507480	Rod-Yoke	1
36	980002	Washer, 1/4 Lock	6
37	482304	Cover, Capacitor Box	1
38	483402	Gasket	1
39	481306	Capacitor Box	1
40	482303	Drip Cover	1
41	485202	Motor	1
43	503537	Gear Asm.Complete	1
44	481202	Bumper, Grey	1
47	980004	Washer, 1/4 Flat	4
48	962010	Screw, 1/4-20 x 1HH	4
49	W502D	Nut, 1/2-13 Hex	2
50	980005	Washer, Wave	2
51	509781	Wheel, 1/2 x 5 Grey	2
52	509820	Washer, Fiber	2
53	487702	Wheel Axle	1
54	483215	Base Frame, Black	1
55	962016	Screw, 10-32 x 3/8 Set	1



SEARAY 175HD MOTOR & GEAR ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.
	485202	Motor Only, 1.5HP 115V 60CY	1
		Baldor #05E611W619G1	
	483101	Stator Assembly	
	480401	Rotor Assembly	
	481306	Capacitor Box (Item 39)	
	483401	Gasket between Capacitor Box & Motor	
	908090	Cord Asm.	
	486604	Endplate	
	960038	Thrubolts	
	483001	External Fan	
	482303	Drip Cover (Item 40)	
	482304	Cover, Capacitor Box (Item 37)	
	483402	Gasket, Cover (Item 38)	
	911238	Run Capacitor	
	911280	Start Capacitor	
	503537	Gear Asm.-11:1 for 1.5 HP-3 Planet	1
1	902007	Bearing, Ring Gear	1
2	504213	Ring Gear Housing-11:1	1
3	902016	Bearing, Needle B-86	1
4	902005	Bearing	1
5	503511	Gear - Idler	3
6	504218	Gear Housing - 3 Idler	1
7	503519	Pinion, 11:1	1
8	507701	Shaft - Idler	3
9	902016	Bearing, Needle B-86	1
10	502317	Cover - Ring Gear	1
11	902015	Bearing	1
12	902005	Bearing	1
13		Screw, 10-24 x 3/4 Pan Hd	6
14	508211	Spacer	1
15	506604	End Plate	1
16	507309	Ring - Retaining	1
17	502402	Coupler, Steel	1
18	925006	Dowel	2
19		Washer, 1/4" Lock	6
20	964169	Screw	6

503537 GEAR ASSEMBLY ILLUSTRATION



WARRANTY POLICY POLISHER MODEL SEARAY 175HD

The **Pacific** Polisher has been manufactured, tested and inspected in accordance with specific engineering requirements and is **WARRANTED** to be free from defects in workmanship and materials as follows:

Five (5) years parts, One (1) year labor - AC Motor and Gear Unit, except motor switch and capacitors which have a one (1) year warranty.

Five (5) years parts, One (1) year labor - Castings

One (1) year parts and labor - All other components unless excluded below.

This warranty extends to the original user/purchaser and only when used, operated and maintained in accordance with **Pacific** Operating and Maintenance instructions.

This warranty does not apply to the following wear parts and accessories of the machine including:

<u>Part Number</u>	<u>Part Name</u>
502422	Cord Assembly
509781	Wheel, 5"
503711	Handle Grip, Grey
481202	Bumper

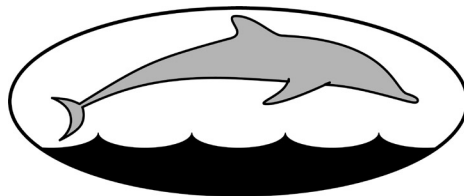
Nor does it apply to damage or failure caused by improper use, abuse or neglect. Warranty credit or replacement of return parts including motors, etc., is subject to incoming inspection of those items.

To secure repair under this warranty, the following procedure should be taken:

- The inoperative machine or warranted parts must be delivered to the authorized dealer with shipping and delivery charges prepaid. If unable to locate the Dealer, you may contact **Pacific** at the address listed herein for the location of the nearest **Pacific** repair center or agent or for other instructions pertaining to your warranty difficulty.
- Upon compliance with the above warranty procedure, all warranted repairs would be completed at no additional charge or cost to the user.
- Only **Pacific** or its authorized dealers and agents may make no charge warranty repairs on this product. All others do so at their own risk.

This warranty limits **Pacific** liability to the repair of the product and/or warranted parts replacement and does not include incidental or consequential damages arising from the use of a **Pacific** machine whether defective or not.

This warranty is in lieu of all other expressed or implied warranties and is extended to the original purchaser/user.



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