



FLOOR MACHINES

Q-LINE SERIES MODEL Q-1500

INTRODUCTION

OPERATING & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

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:

Triple S
2 Executive Park Drive
Billerica, MA 01862

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.

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

FOR YOUR CONVENIENCE, RECORD THE FOLLOWING IMPORTANT INFORMATION:

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.

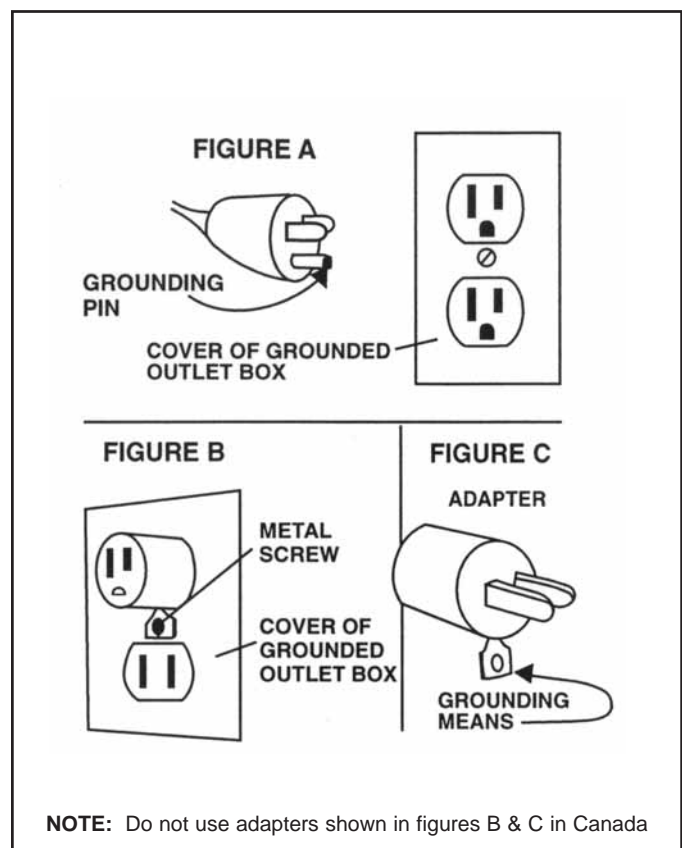
This machine is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in figure A. A temporary adapter that looks like the adapter illustrated in figures B and C may be used to connect this plug to a 2-pole receptacle as shown in figure B if a properly grounded 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 booklet 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!

The models shown in this manual are intended for commercial use.

PREPARATION

To prepare the machine for operation, make sure it is of correct voltage and properly assembled. If in doubt, ask your supervisor.

Your new floor machine operates in a straight-line forward motion, rather than the normal side to side motion of a conventional single disc machine. Be prepared by having your floor area cleared and ready for the fast action of a burnisher.

Prepare the floor area by sweeping, dusting or mopping as needed. Check the proper application recommendations and procedures found on the label of your finish container. **IF IN DOUBT, CALL YOUR SUPERVISOR.**

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

For Burnishing: Select the correct clean floor pad (your supplier can help you). The lighter color floor pads (buff or white) are normally used for the burnishing procedure.

NEVER OPERATE THE MACHINE WITHOUT THE FLOOR PAD INSTALLED!

It is very important to select clean, dry pads of uniform thickness. Pads with high or low sections, or hard or soft spots are unacceptable. Pads of open weave are recommended; because close weaves tend to load up fast, bog down the machines, cause circuits to overload and generally give poor results.

Unplug the machine from the wall outlet and then tip the machine back to expose the pad driver. Remove the pad center lock ring. Carefully center the pad onto the pad driver and secure with the locking ring. Check for level, centering and flatness.

OPERATION

Set the machine upright onto the pad. Plug the machine's power cable into a properly grounded outlet (see Safety Instructions). Next, release the handle by unlocking the knob and allow the handle to lower into a comfortable position. **THEN ALWAYS SECURE THE HANDLE LOCKING KNOB.** This will allow the operator to easily control the pad pressure.

Depress the handle slightly to elevate the pad from the floor. This is to avoid burning the floor on initial start up, before the operator is ready to move forward. Pull out on the "Watch Dog" Safety Lock button and start the machine by depressing either the left or right switch levers.

When you're ready to move forward, lower the machine head and pad to the floor and proceed forward in a straight line, at a steady pace.

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 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.

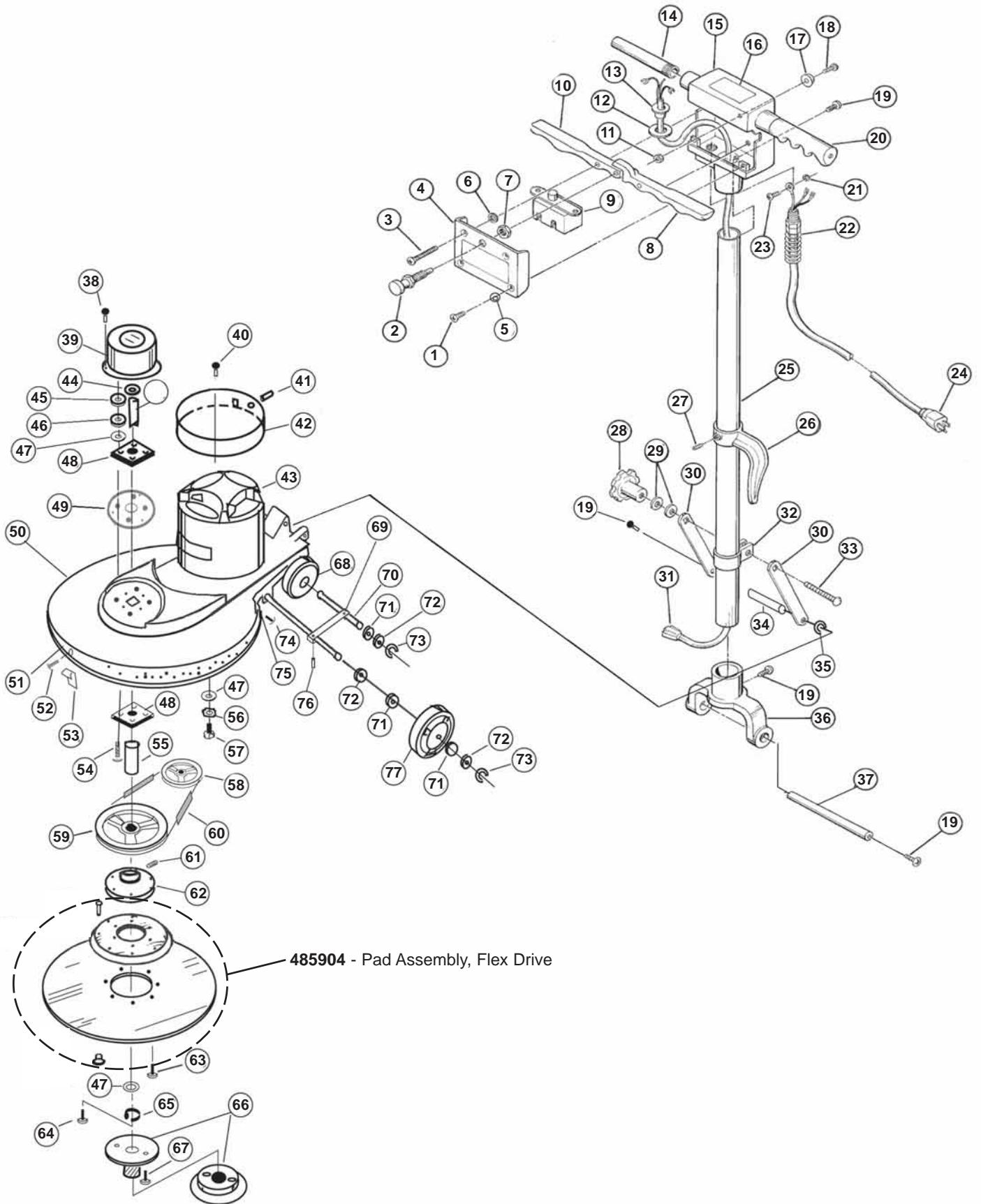
WARNING! Always disconnect the machine's electrical plug from the electrical outlet before performing any service, maintenance, pad changing or inspection of the machine.

MOTOR: The motor is lubricated for life under normal use. No oiling or greasing is necessary. However, if the machine is used in dusty areas the motor should be cleaned. Blowing the motor out with compressed air or with the exhaust from a vacuum is suggested. Keeping the motor clean will allow the clear passage of air for ventilation and prevent overheating.

BELT TENSION: Proper belt tension is important for smooth operation and belt life. Check the belt tension and have no more than a 1/8-inch deflection. If adjustment is needed, loosen the four (4) motor mounting bolts. Then move the motor and retighten the four (4) motor mounting bolts.

CARBON BRUSH INSPECTION: Long life 3000-hour carbon brushes are installed in the motor. The machine is also equipped with a carbon brush wear indicator light to signal when a carbon brush change is required.

Q-1500

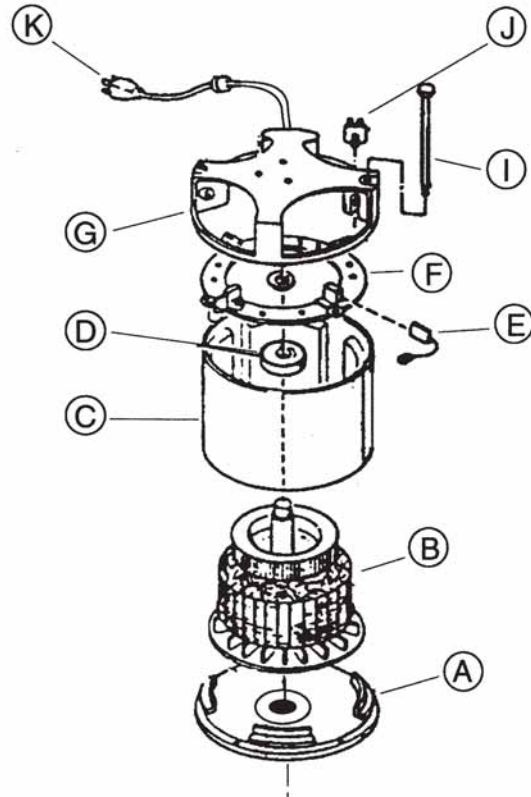


Q-1500 PARTS LISTS

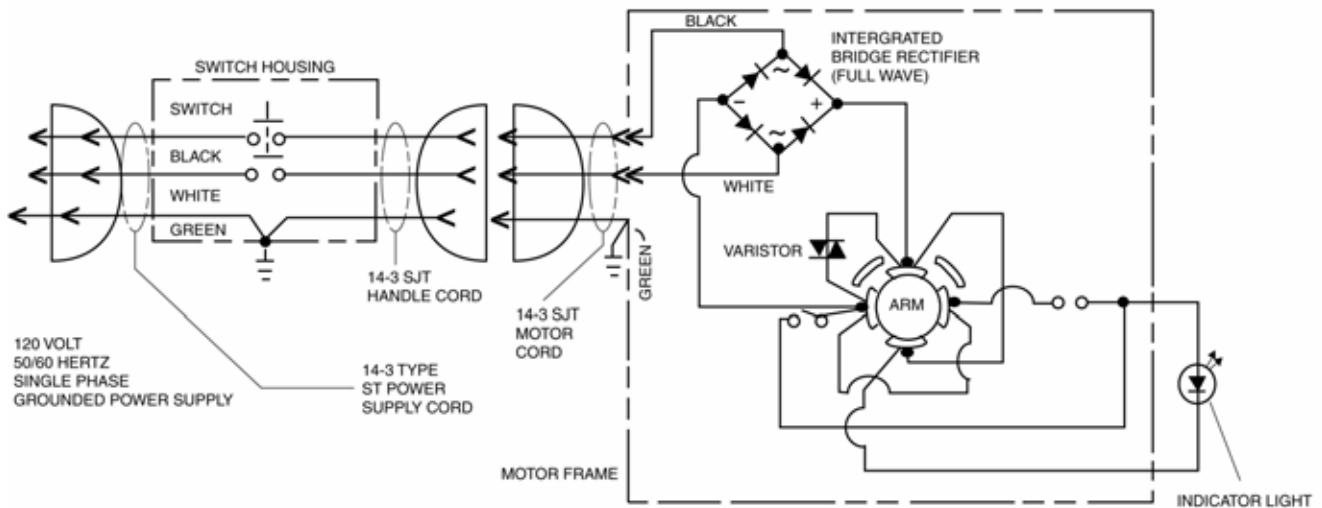
| ITEM | PART NO. | DESCRIPTION | QTY. | ITEM | PART NO. | DESCRIPTION | QTY. | |
|------|----------|----------------------------------|------|--------------------------|-----------|---------------------------------|------|--|
| 1 | 962002 | Screw , 10-32 x 1/2 Oval | 2 | 42 | 502396 | Cover, Motor | 1 | |
| 2 | 504810 | Interlock Assembly | 1 | 43 | See Pg. 7 | Motor, 1.5HP DC | 1 | |
| 3 | 962011 | Screw , 10-32 x 1 3/4 Oval | 2 | 44 | 502481 | Collar, Upper Shaft | 1 | |
| 4 | 486407C | Cover, Sw itch Box | 1 | 45 | 920002 | Nut, 3/8-16 Hex | 4 | |
| 5 | 980018 | Washer, #10 C-Sunk External | 1 | 46 | 980009 | Washer, 3/8 Lock | 4 | |
| 6 | 509821 | Washer, Rubber | 2 | 47 | 980003 | Washer, 3/8 Flat | 9 | |
| 7 | 920005 | Nut, 3/8-24 Hex Jam | 1 | 48 | 501380 | Bearing, Block | 2 | |
| 8 | 505121 | Lever, Sw itch Left | 1 | 49 | 486602 | Plate, Stiffener | 1 | |
| 9 | 485002 | Sw itch Kit | 1 | 50 | 483214 | Base, ABS 1500 | 1 | |
| 10 | 505120 | Lever, Sw itch Right | 1 | 51 | 501286 | Bumper, Base, 48" Gray | 1 | |
| 11 | 920001 | Nut, 10-32 Nyloc Stop | 1 | 52 | 962162 | Screw , #10 x 1/2 FHP HILO Zinc | 3 | |
| 12 | 509830 | Washer, Handle Tube | 1 | 53 | 502110 | Clip, Bumper | 3 | |
| 13 | 503320 | Flange, Strain Relief | 1 | 54 | 962018 | Screw , 3/8-16 x 2 HH Zinc | 4 | |
| 14 | 505720 | Nipple, Handle | 2 | 55 | 915001 | Key, 3/16 x 2 7/8L | 1 | |
| 15 | 481310C | Sw itch Box | 1 | 56 | 980009 | Washer, 3/8 Lock | 4 | |
| 16 | 515150 | Label, Warning | 1 | 57 | 962048 | Screw , 3/8-16 1 1/4 HH | 4 | |
| 17 | 501210 | Bumper, Handle | 1 | 58 | 506980 | Pulley, Motor | 1 | |
| 18 | 962003 | Screw , 10-32 x 3/4 PHP | 1 | 59 | 506994 | Pulley, Pad | 1 | |
| 19 | 962006 | Screw , 1/4-20 x 1/2 PHP SS | 7 | 60 | 903005 | Belt, 1500 RPM | 1 | |
| 20 | 503711 | Grip, Handle, Gray | 2 | 61 | 962073 | Screw , 1/4-20 x 5/8 Soc Set | 2 | |
| | 501501 | Cap, Protective End | 2 | 62 | 503382 | Flange, Flex Pad Driver | 1 | |
| 21 | 980015 | Washer, #10 External Tooth | 2 | 63 | 962036 | Screw , 1/4-20 x 1 FHP | 6 | |
| 22 | 508520 | Strain Relief, Complete | 1 | 64 | 962014 | Screw , 5/16-18 x 3/4 | 1 | |
| | 502020 | Clamp, Strain Relief | 1 | 65 | 980006 | Washer, 5/16 Lock | 1 | |
| 23 | 962015 | Screw , 10-32 x 3/8 PHP | 2 | 66 | 504471 | Pad Holder Assembly | 1 | |
| 24 | 502422 | Cord Assembly, 50' | 1 | 67 | 962076 | Screw , #8 x 5/8 PHP | 3 | |
| 25 | 509082 | Tube, Handle | 1 | 68 | 509780 | Wheel, 4" Gray Non-Marking | 2 | |
| 26 | 504420 | Hook, Cord | 1 | 69 | 487202 | Retainer, Axle | 1 | |
| 27 | 962005 | Screw , 1/4-20 x 3/8 Set | 1 | 70 | 507781 | Shaft, Wheel | 2 | |
| 28 | 505010 | Knob, Turn | 1 | 71 | 980005 | Washer, Wave | 8 | |
| 29 | 980007 | Washer, 5/16 Flat | 2 | 72 | 509820 | Washer, Fiber | 12 | |
| 30 | 500880 | Brace, Handle | 2 | 73 | 507320 | Ring, Snap | 4 | |
| 31 | 908008 | Handle Cord Assembly | 1 | 74 | 962161 | Screw , 10 x 3/4 PHP HILO | 2 | |
| 32 | 502021 | Clamp, Handle | 1 | 75 | 508080 | Strap, Bumper, 51" | 1 | |
| 33 | 962009 | Bolt, 5/16-18 x 2 1/2 Carriage | 1 | 76 | 962016 | Screw , 10-32 x 3/8 Set | 1 | |
| 34 | 507481 | Rod, Brace | 1 | 77 | 509781 | Wheel, 5" Gray Non-Marking | 2 | |
| 35 | 507310 | Ring, 3/8 Snap | 1 | | | | | |
| 36 | 509920C | Yoke | 1 | Labels Not Shown: | | | | |
| 37 | 507480 | Rod, Yoke | 1 | | 485106 | Label, Handle Warning | 1 | |
| 38 | 962161 | Screw , 10 x 3/4 PHP HILO | 3 | | 506318 | Label, Interlock | 1 | |
| 39 | 502319 | Cover, Bearing | 1 | | 506340 | Label, Brush Indicator | 1 | |
| 40 | 962026 | Screw , 8-32 x 1/2 Type F | 3 | | | | | |
| 41 | 505181 | Light, Brush Wear Indicator 115V | 1 | | | | | |
| | 505182 | Light, Brush Wear Indicator 220V | 1 | | | | | |

MOTOR PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY. |
|------|----------|--------------------------------|------|
| | 505286 | Motor 115V, 1.5HP | 1 |
| | 505278 | Motor 220V, 1.5HP 50C | 1 |
| A | 502919 | End Bell - Motor LOWER | 1 |
| B | 500417 | Armature Asm.w/Bearings,115V | 1 |
| | 500424 | Armature Asm.w/Bearings, 220V | 1 |
| | 902012 | Bearing, Motor Low er | 1 |
| C | 503117 | Field & Shell Assembly | 1 |
| D | 902003 | Bearing, Motor Top | 1 |
| E | 500903 | Carbon Brush, Motor 115V | 4 |
| | 510901 | Carbon Brush, Motor 220V | 4 |
| F | 507322 | Brush Ring Asm. Complete, 115V | 1 |
| | 507326 | Brush Ring Asm. Complete, 220V | 1 |
| G | 502920 | End Bell - Motor TOP | 1 |
| I | 960018 | Bolt, Motor Thru | 4 |
| J | 911048 | Rectifier, 115V | 1 |
| | 911081 | Rectifier, 220V | 1 |
| K | 908024 | Cord Assembly, Motor | 1 |



WIRING DIAGRAM



NOTES

SSS FLOOR MACHINE, MODEL Q-1500 LIMITED WARRANTY

The SSS Floor Machine, Q-Line Series, 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:

Eighteen (18) months parts, One (1) year labor - DC Motors (except motor switches, rectifiers, carbon brushes and varistors)

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 Triple S 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 |
| 509780 | Wheel, 4" |
| 509781 | Wheel, 5" |
| 503711 | Handle Grip, Grey |
| 501286 | Bumper Base |
| 903005 | Belt |
| 500903 | Carbon Brush, 115V Motor |
| 510901 | Carbon Brush, 220V Motor |

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 service center with shipping and delivery charges prepaid. If unable to locate a service center, you may contact Triple S at the address listed herein for the location of the nearest 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 Triple S 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 Triple S 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 Triple S 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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