

New Equipment Warranty

Limited Warranty

Namco Manufacturing, Inc. warrants new equipment against defects in material and workmanship under normal use and service to the original purchaser. Any statutory implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty. Namco Manufacturing, Inc. will not be liable for any other damages, including but not limited to indirect or special consequential damages arising out of or in connection with the furnishing, performance, use or inability to use the machine. This remedy shall be the exclusive remedy of the purchaser. The warranty period is subject to the conditions stated below.

5-Years on Motor and Chassis

Namco Manufacturing, Inc. warrants the electric motor and chassis to be free from defects in material and workmanship, under normal use and service for five (5) years from the original date of sale. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period. Service labor charges are covered for one (1) year from the date of purchase, when performed by a manufacturer-authorized service provider.

Labor is only provided by authorized service centers. If an authorized service center is not near you, it is the purchaser's responsibility to take their machine to an authorized service center.

Normal wear items, such as belts, brushes, bumpers carbon brushes, cords, finishes, squeegees, actuating cables and gaskets, will be warranted for manufacturing defects for ninety (90) days from the purchase date.

Critical Wear Items, such as bearings, capacitors, clutches, pulleys, rectifiers, relays, switches, wheels, tires and casters, are warranted for manufacturing defects for one (1) year from the purchase date.

All warranties of motors and associated components will be voided: if the machine is serviced by anyone other than an authorized service provider; if the machine is mechanically modified; if the machine is operated when not operating properly; or if the machine is misused or abused.

The warranty starts on the purchase date by the original purchaser from Namco Manufacturing, Inc. subject to proof of purchase. The Machine Registration Card must be completed and returned immediately at the time of purchase. If proof of purchase cannot be identified, the warranty start date is ninety (90) days after the inventory stocking date at the distributor's warehouse.

Namco

Manufacturing, Inc.

1651 Blalock Road
Houston, TX 77080

Phone: 800-634-5816
Fax: 866-476-2626

www.namcomfg.com

Make a copy of this card for future reference.

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ULTRA HIGH-SPEED BURNISHER

SAFETY, OPERATION AND MAINTENANCE MANUAL WITH PARTS LIST

Please read before use!

1500 RPM, 1.5 HP, 20" APRON

REGISTER
YOUR
MACHINE!



Model No.
N-1500

1500 RPM

Fully Adjustable

Balanced Design

All Metal Chassis

Quiet Motor

Safe & Easy to Use

Namco

Manufacturing, Inc.

IMPORTANT INFORMATION AND SAFETY INSTRUCTIONS

Register your Machine - Return your Machine Registration Card

Serial No: _____

New Equipment Warranty

Five-year warranty on motor and chasis.

Warranty Policy

All equipment is inspected and tested before shipping from the manufacturer. All parts are warranted to be new and free from defects in workmanship and material, under normal use to the original retail purchaser. This warranty limits manufacturer's liability for defects in workmanship or materials for replacement of defective parts only. The manufacturer accepts no liability for incidental or consequential damages arisen from the use of any equipment, defective or not. This warranty is in lieu of all expressed or implied warranties and is extended only to the original retail purchaser. Manufacturer sales and service representatives are not authorized to waive or alter the terms of this warranty, or to increase the obligations of the manufacturer under the warranty. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period.

Labor is only provided by authorized service centers. If an authorized service center is not near you, it is the purchaser's responsibility to take their machine to an authorized service center.

The manufacturer covers up to one (1) year (365 days) of service labor at the manufacturer's calculated hourly labor rate/repair time when performed by a manufacturer-authorized service provider. Ultimately, labor reimbursement costs are at the discretion of the manufacturer. At no time is the manufacturer responsible for travel time to complete on-call repairs. After one (1) year, the original retail purchaser is responsible for all labor costs with no manufacturer reimbursement.

The original purchaser must contact the manufacturer to follow correct RMA/warranty procedures. They must include a copy of the RMA Sheet enclosed in the box with the returned item. No returns shall be authorized unless the proper RMA procedures are followed. It is the responsibility of the distributor to repair the client's equipment as soon as possible.

The manufacturer charges a 25% restocking fee for any items that are being returned to stock. Items must be new, unused, free of damage and are only good for up to 30 days. After 30 days, the manufacturer does not accept the return of any items for a store credit.

Authorized warranty replacement parts need to come directly from the manufacturer. Any use of any other parts will void warranty. The manufacturer does not reimburse for parts used by client that were not supplied directly for the machine under warranty.

The client must contact the manufacturer prior to working on or changing out of any parts, etc. The manufacturer must issue an RMA Sheet containing approved labor time and replacement parts. Do not send parts or equipment back to the manufacturer without an RMA Number and approval. No labor will be paid for, nor parts cost paid for or reimbursed, that have not previously been approved by the manufacturer. All warranty work must be approved and authorized to qualify, and appropriate warranty procedures must be followed.

The warranty starts on the purchase date by the original purchaser from an authorized distributor, subject to proof of purchase. The Machine Registration Form must be completed and sent to the original manufacturer at the time of purchase. If proof of purchase cannot be identified, the warranty start date is ninety (90) days after the date of sale to an authorized distributor.



Warranty Registration

Please take a moment to register your machine. Fill out the information below and fax back to Namco Manufacturing, Inc. immediately.

The warranty starts on the purchase date by the original purchaser subject to proof of purchase. This Machine Registration Card must be completed and returned immediately at the time of purchase. If proof of purchase cannot be identified, the warranty start date is ninety (90) days after the inventory stocking date at the distributor's warehouse.

Machine Model _____ **Purchase Date** _____

Motor Type _____ **Serial No.** _____

Place of Purchase _____

Shipped To _____

Your Name _____ **Phone** _____

E-mail _____ **Fax** _____

Address Line 1 _____

Address Line 2 _____

City _____ **State** _____ **Zip** _____

Comments:

Mail to:
Namco Manufacturing, Inc.
1651 Blalock Road
Houston, TX 77080

**See reverse side for warranty information.
Make a copy of this card for future reference.**

ULTRA HIGH-SPEED BURNISHER

By Namco Manufacturing, Inc.

Please fill out the following information:

Model No: _____

Serial No: _____

Distributor Name: _____

Distributor Phone No: _____

Date of Purchase: _____



Namco
Manufacturing, Inc.

1651 Blalock Road
Houston, TX 77080

Phone: 800-634-5816
Fax: 866-476-2626

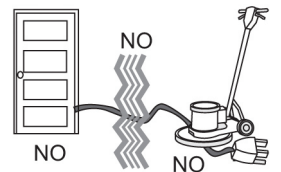
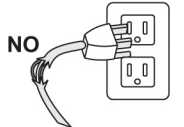
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1.0 Safe Operating Conditions

READ THIS MANUAL BEFORE USING BURNISHER. KNOW THE PROPER OPERATION, CORRECT APPLICATIONS AND THE LIMITATIONS OF THIS EQUIPMENT **BEFORE** USE.

Reduce the Risk of Fire, Electric Shock or Injury:

- This burnisher is designed for indoor use only. Do not use outdoors. Do not expose to rain.
- Do not wash the motor with flowing water. If the motor gets wet, seek authorized service.
- Keep the vents on this air-cooled motor free from debris. Do not operate with the motor covered or with vents blocked. Do not use this machine as a floor sander.
- Never operate this machine near flammable dusts, liquids or vapors. Never use flammable solvents as a cleaning agent. Engine sparks and operating heat can cause fire.
- Never handle electrical equipment with wet hands. Never operate this machine with bare feet.
- Unplug the machine when not in use and when servicing the equipment. To unplug, grasp the plug not the cord.
- Do not operate a burnisher with damaged handle controls, cord or plug. If the equipment is not performing properly, seek repair from a qualified service supplier.
- This machine is constructed with electrical grounding at the plug. Operate only when connected to a properly grounded outlet. See section 1.2 for grounding details.
- Prevent electrical cord abuse. Do not close a door upon the cord, drive equipment over it, or run the floor machine over it. Do not expose the cord to hot surfaces. Do not lift, pull or carry this burnisher by the cord.
- Never operate the machine over sharp objects that can be thrown out and harm the operator and damage the floor. Sweep hard floors before scrubbing or buffing. Vacuum clean carpets before shampooing or bonnet cleaning.
- Train your staff in proper use of this machine.



1.1 Electrical Power

This burnisher operates on a 13 amp nominal 115 V, 60 Hz, A.C. power circuit. (Motors may be custom wired at the factory for 220 V, 50 Hz international operation). The amp, hertz and voltage ratings are listed on the motor spec label found on each burnisher. Using voltages above or below those indicated on the spec label will damage the motor. Always check your local voltage requirements.

1.2 Grounding Instructions

This burnisher must be grounded while in use to protect the operator from electrical shock. This machine is built with a 3-wire cord and a 3-prong grounding-type plug (Figure 1) to fit a properly grounded receptacle.

Before using this burnisher, make sure a properly grounded, 3-hole electrical outlet is available. If not available, as in some older facilities, use an adapter for connecting a 3-prong plug to a 2-prong receptacle (Figure 2) to ground the outlet chassis.

IMPORTANT: This adaptor may not be used in Canada.

IMPORTANT: Never cut off the grounding prong for use in a 2-prong outlet. By doing so, you have cut off your protection from electrical shock.

Never assume that all 3-hole outlets are properly grounded. Check before use.

Never assume that an adaptor connection (as in Figure 2) is properly grounded. Check the outlet with a ground fault interrupter device which quickly indicated if a ground is connected. Correct a faulty grounding before proceeding.

1.3 Extension Cords are Not Recommended

The burnisher is built with a 50-foot (15 M) safety cord which plugs directly into an approved outlet. Use of any extension cords is **NEVER RECOMMENDED**.

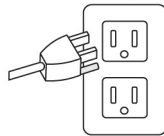
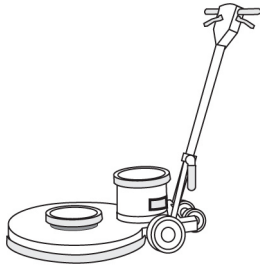


Figure 1

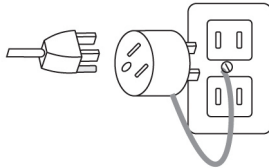


Figure 2

Returned Material Authorization (RMA) Procedure

Original purchaser (distributor/service center) must contact the manufacturer to follow correct RMA/warranty procedures. Must include a copy of RMA Sheet enclosed in the box with returned item. No returns shall be authorized unless proper RMA procedures are followed. It is the responsibility of the distributor to repair the client's equipment as soon as possible. Labor is only provided by authorized service centers. If an authorized service center is not near you, it is the purchaser's responsibility to take their machine to an authorized service center.

Client must contact the distributor prior to working on or changing out any parts, etc. Manufacturer must issue an RMA Sheet containing approved labor time and replacement parts. Do not send parts or equipment back to manufacturer without an RMA number and approval. No labor will be paid for, nor part costs paid for or reimbursed that have not been previously approved by the manufacturer. All warranty work must be approved and authorized to qualify and appropriate warranty procedures must be followed.

8.0 Machine Parts List

Drawing No.	Description	Part No.	Qty.
46	Drip Cap Mount Screw	B-151	6
47	66 Fr. Drip Cap Cover	M-242	2
48	66 Fr. Drip Cap Cover Bumper - Green	M-239-G	2
49	UHS Motor Screen	SCR-01	1
50	UHS Motor Screen Bumper - Green	M-238-G	1
51	Cork Drip Cap Gasket	M-248	2
52	1.5 HP, DC Motor	MOTOR-DC-IMP	1
53	Washer	B-28	2
54	Motor Mount Bolt for UHS Motor	B-143	2
55	Bearing Block Assembly Mount Bolt	B-144	4
56	Bearing Block Assembly	BBA-1	1
57	Bearing Block Gasket	B-145	1
58	Base Casting 20"	A-132	1
59	Motor Mount Lock Nut	B-150	4
60	Bumper - Green	BUMPER STOCK	1
61	Ground Wire Screw	B-68	5
62	Floppy Disk Driver 20"	DC-20	1
63	Big Mouth Blue Retainer	PR7-ABL	1
64	Screw	B-95	4
65	Allen Head Screw	B-149	1
66	Pulley Driver	PD-1	1
68	Bumper Strap	BUMPER STRAP	1
69	Drive Belt DC-1500	DB-2	1
70	Allen Head Set Screw For PD	B-148	1
71	Pulley To Fit Motor 1500 RPM DC	PM-3	1
72	Cotter Pin Wheel Axel	B-142	2
73	Spring Washer	B-51	4
74	Wheel Axel	B-16	2
75	6" Operating Wheel	M-250	2
76	Transport Wheel Axel Bolt	B-26	2
77	4" Transport Wheel	M-209	2
78	Lock Nut	B-77	2

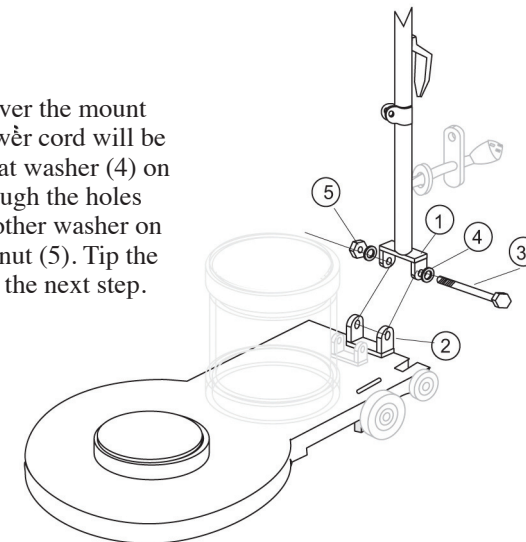
2.0 Mount the Handle

This burnisher is shipped from the factory with the handle unattached. You will need two 7/16" wrenches to complete the assembly.

Remove the handle and mounting hardware from its carton. Bolts, nuts, washers and the locking lever assembly are in the plastic bag attached to the handle.

1. Mount the handle to the chassis:

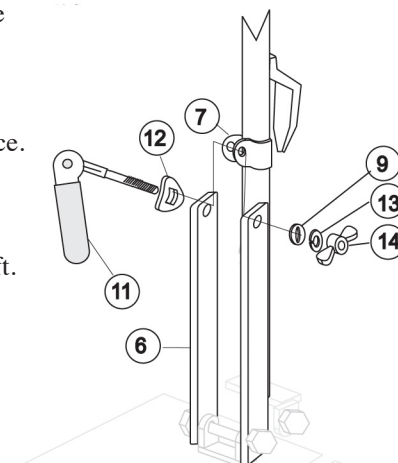
Align the handle with the yoke (1) over the mount (2) on the burnisher chassis. The power cord will be facing away from the motor. Place a flat washer (4) on a 3" bolt (3), then place the bolt through the holes in the yoke and the mount. Place another washer on the bolt and secure with the locking nut (5). Tip the handle back and out of your way for the next step.



2. Mount the support braces on the handle:

Tip the handle up. The handle mounting collar (7) is designed to slide freely up and down the handle tube, allowing the handle to be adjusted for the comfortable operation of all users. Line up the mounting collar with the upper holes in the two straight handle braces (6).

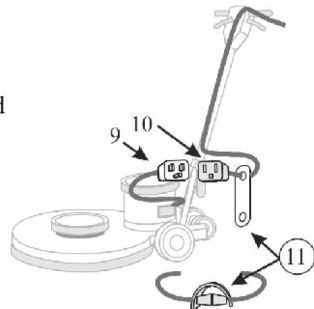
- Place the curved spacer (12) with a square hole onto the locking lever shaft (11). The curve must face the lever.
- From behind the machine, insert the shaft through the right handle brace (6), the mounting collar (7) and the left handle brace.
- Place a spacer (9) on the shaft.
- Place the split washer (13) on the shaft.
- Place the locking wing nut (14) on the shaft.
- Adjust the wing nut for tightness. When correctly installed, the collar slides easily when the cam-engineered locking lever is "up," but is firmly fixed when the lever is "down."



2.1 Attach the Power Cord

The triple-wire grounded power cord has been factory-installed into the handle tube. A flexible rubber cable connector (11) is used to secure the plug-in connections. The burnisher ships with this connector mounted on the cord coming out of the handle (10).

Stretch the connector and slip the male connector (9) (coming out of the motor housing) through the connector hole and then into the female connector. Now, plug the end of the 50-foot cord into a grounded power outlet. Squeeze the triggers on the handle and check for power to the motor.



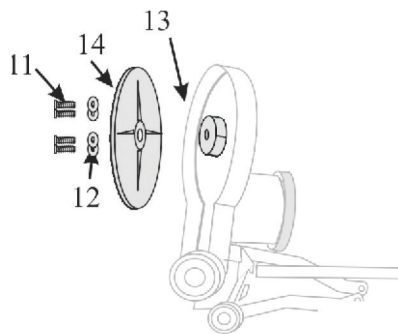
2.2 Inspect the Pad Driver

A flexible, high-speed pad driver has been bolted onto the burnishing machine and dynamically balanced. This driver is the connection between the burnisher and a disposable pad that burnishes the hard floor finish. If this molded plastic part ever becomes damaged or if the molded hooks are worn and cannot hold the pad, replace promptly.

Unplug the burnishing machine. Lock the handle in the “up” position and tip the machine back fully.

Remove the 4 mounting screws (11) and washers (12) from the drive hub (13).

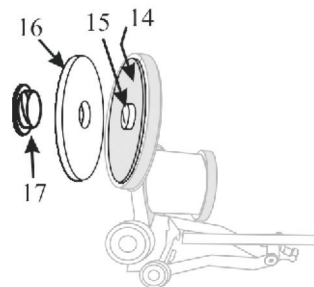
Place the new pad driver (14) onto the main drive pulley. Insert the mounting screws (11) through the washers (12) into the bolt hole. Tighten securely.



2.3 Install the Pad

The face (bottom) of the pad driver (14) is covered with small “hooks” that grab onto the pad (16). Every time you mount a new pad onto the pad driver, follow these steps:

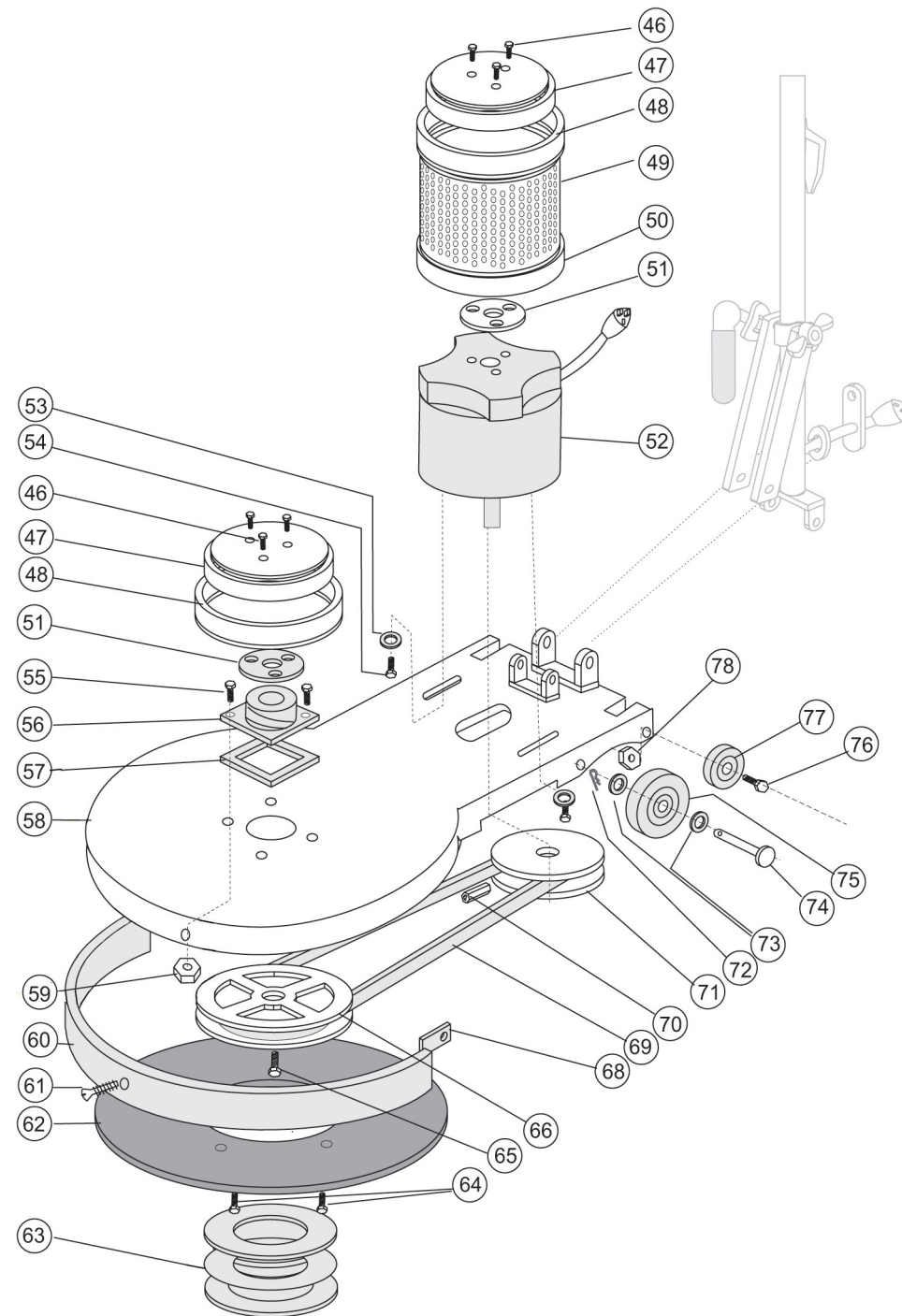
- Unplug the burnishing machine. Lock the handle in the “up” position and tip the machine back fully.
- Pad Sizes: 20” diameter pad on the 20” and 21” machines. Mount a pad (16) over the male shoulder (15) on the pad driver. Make sure that the pad is centered on the driver.
- Insert the locking ring (17) through the center hole in the pad and into the shoulder. Tighten until the locking ring lies below the face of the pad. If the ring is not fully locked, it will scratch the floor.



NEVER operate the burnisher without a pad.

NEVER operate the burnisher with a damaged pad or without a locking ring to hold the pad in place.

7.0 Machine Schematic Drawing



6.0 Handle Parts List

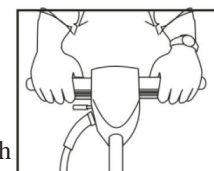
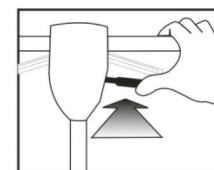
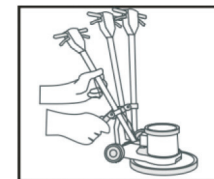
Drawing No.	Description	Part No.	Qty.
1	Switch Box Back Cover	A-104	1
2	Handle Tube Screw	B-23	2
3	Switch Box Closing Screws	B-21	4
4	Strain Relief Clip	M-213	1
5	Switch Plate Screw	B-68	2
6	Black Hand Grip with Green Band	M-218-G	2
8	Handle Tube Insert	M-247	1
9	Handle Tube Assembly	M-206	1
10	Cable Hook Screw	B-2	2
11	Cable Hook	A-164	1
12	Sliding Collar	A-111	1
13	Flat Washer	B-37	1
14	Split Washer	B-39	1
15	Cam Lock Wing Nut	B-25	1
16	Straight Brace	M-233	2
17	Stop Nut	B-10	2
18	Washer	B-28	2
19	Cap Screw	B-9	2
20	Yoke Tube Mount Bolt	B-18A	2
21	Tube Mounting Nut	B-19	2
22	Yoke	A-1001	1
24	Yoke Bolt	B-14	1
25	Handle Tube Cable	G-16	1
26	Black Rubber Cable Connector	M-249	1
27	Cable Grommet	B-63	1
28	Rectangular Hole Cam Washer	B-67	1
29A	Cam Assembly	C-100	1
29B	Complete Cam Assembly Kit (Includes 1 each of Drawing Items #13, 14, 15, 28, 29)	CCA	1
30	50-Foot, 14/3-Gauge - Green	G-14-50-G	1
31	Insulated Flag Wire Connector	G-48	2
32	On/Off Switch and Plate Assembly	G-30-AB	1
33	Switch Mounting Plate	G-30-B	1
34	Ground Wire Screw	B-1	2
35	Int. Tooth Lock Washer	B-35	1
36	Flat Hex Nut	B-33	1
37	Trigger Return Spring	G-30-C-T057	1
38	Label - Switchbox		1
39	Switchbox Front	A-103	1
40	Wire Nut	G-47	1
41	Triggers	A-105	2
42	16" Crossbar	M-211-A	1
43	Trigger Pins	B-70	2
44	Cross Bar Screw	B-22	2
45	Safety Interlock Assembly	SIA-1R	1

3.0 Operating Tips

- For indoor use only. Sweep abrasive soils before burnishing.
- While the pad driver is spinning, keep the burnisher moving to avoid “donut” burns on the floor.

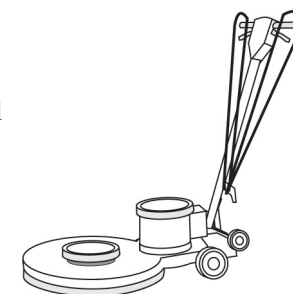
To Start Operation:

- Unlock the handle by raising the locking lever.
- Lower the handle to a comfortable position, typically waist high.
- Relock the handle by pushing the lever down. **NEVER OPERATE THE MACHINE WITH THE HANDLE UNLOCKED.**
- This burnisher has a high torque motor.
- Hold the machine firmly with both hands when starting up.
- Push the red safety interlock switch forward to unlock the dual triggers.
- Squeeze both triggers to power the motor. Once power is on, either trigger will keep power to the motor. To stop, release both triggers.



3.1 To Store your Machine

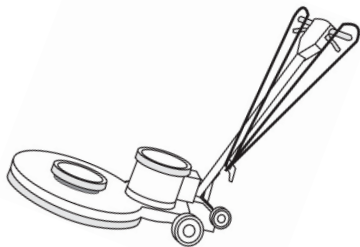
- Lock the handle in the “up” position. Tilt the machine back onto the transport wheels. Never store the machine with the pad on the ground.
- Wind the cord around the handles and the bottom cord hook.
- Wash pads and hang to dry.
- Inspect and maintain equipment on a regular schedule for best results.
- Check and clean pads after each operation. Remove soil and chemical buildup. Replace worn or damaged pads.
- Check the triggers and switches for proper operation.
- Use air pressure or vacuum to remove dust and debris from the motor vents.
- Report problems and repair promptly.



3.2 Transport

To transport this burnisher from the janitor's closet to the work area:

- Lock the handle in the “up” position. Wind the cord around the handles and the bottom cord hook.
- Tip the machine back onto the transport wheels. Push or pull the machine by the handle, not by the cord or any other part of the machine. Travel carefully.



4.0 Troubleshooting

Never operate this burnisher when the equipment is not performing as expected or when any parts are visibly damaged. The cause and solution for some basic problems are described below. When repair is needed, take the equipment to an authorized repair service center.

4.1 Burnisher will not Run

- Circuit breakers are tripped in the building. *Check and reset.*
- Equipment is unplugged. *Check plug wall and at machine base. Plug in.*
- Power cord failure. *Test with a working power cord. Lock the handle up and tip the motor back. Unplug the cord at the motor and plug the motor into your working power cord.*
- IMPORTANT! THIS IS JUST FOR TESTING. When you do this, you have removed the safety handle controls from the circuit and you are sending power directly to the motor. If the motor now spins, the problem is in the cord of the handle assembly. *Seek authorized repair service.*
- If the motor still does not spin, the problem is either in the male connection at the motor base or in the motor. *Seek authorized repair service.*
- Motor sparks or smokes. *Seek authorized repair service.*

4.2 Electrical Shock to Operator

- Equipment wiring failure or electrical short in the machine. *Seek authorized service.*
- Poor grounding or no grounding. *Test the outlet with a ground fault interrupter. Retain certified electrician to inspect and repair grounding. NEVER clip off the ground plug on your cord.*
- Repeated circuit breaking. High amp draw and circuit breaking can be an electrical or mechanical problem. *Seek authorized repair service.*

4.3 High Vibration

- Pads are not centered on the pad driver. *Tip machine back and re-center the pad.*
- Uneven wear or warp to pad or brushes. *Replace.*
- Machine chassis is damaged by dropping. *Replace.*

5.0 Handle Schematic Drawing

