



## Electronic Service Manuals

This electronic document is provided as a service to our customers. We do not create the contents of the information contained in this document. Should you have detailed questions pertaining to the information contained in this document, you may contact Michco, or the manufacturer which provided the original information in this electronic deliverable. Michco's only part in this electronic deliverable was the electronic assembly process. By providing this manual on line we are not guaranteeing parts availability.

You may contact Michco through the following methods:

Phone (517) 484-9312 or (800) 331-3339

2011 N. High St. -- Lansing, Michigan -- 48906

Fax: (517) 484-9836

Email: [CustServe@Michco.com](mailto:CustServe@Michco.com)

Web site: [www.Michco.Com](http://www.Michco.Com)

Parts Web site: [www.FloorMachineParts.Com](http://www.FloorMachineParts.Com)

Order Parts on Line at:

**[www.FloorMachineParts.Com](http://www.FloorMachineParts.Com)**

Directly to Parts & Service:

By Email: **[Shop@Michco.com](mailto:Shop@Michco.com)**

By Fax: (517) 702-2041

By Voice: Use numbers above.

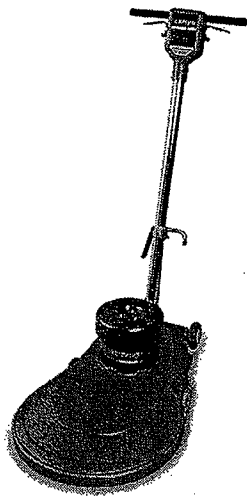
**Serving the Cleaning Industry Since 1922**

Notice: All copyrighted material remains property of original owners, all trademarks are property of respective owners. Manuals are subject to Manufacturer's reproduction limitations. Originals or reproductions were provided by manufacturers through a request. We make no warranty as to the correctness of information provided in this document and you assume all risk. By placing these manuals on line we are not declaring our corporation to be an manufacturer authorized dealer or provider, please check our web site for authorized manufacturers we represent.

# Crewman™ 1600 / 2000 Electric Burnisher

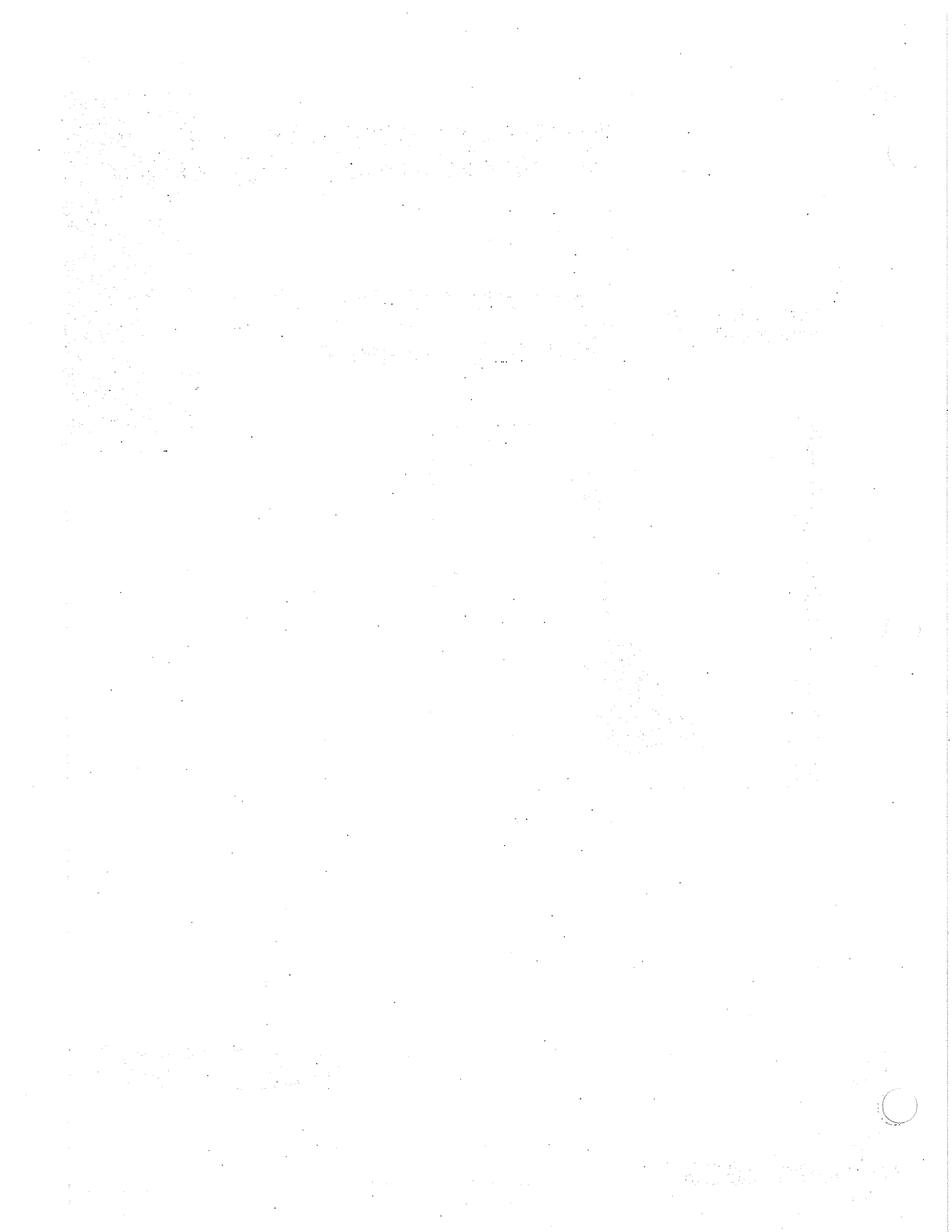
Item #E83015-00  
Item #E83016-00

## Operator's Manual Parts Schematic



*Chemicals*  
*Equipment*  
*Programs*  
*Process*

**BETCO**®



## Specifications

Length – 33.75 in.

Width – 21 in.

Height – 50 in.

Weight – 69 Lbs.

Pad Speed 1600/2000 RPM

Pad Diameter 20 in.

Drive motor – 1.5 HP, 120v, 15 A, 50/60 HZ

Cord – 14-3 ST, 75 ft.

## Safety

**Read and understand the manual before operating this machine.**

Do not operate in explosive areas or use near flammable liquids or gases.

Attach only to properly grounded outlet.

Do not expose to rain, store indoors.

Do not operate the machine with a damaged cord or plug.

Do not block or disconnect the safety lever.

Do not leave the machine plugged in while unattended.

Unplug the machine before servicing.

Do not put fingers under the pad or pad holder.

Unplug the machine before installing or removing the pad.

Use only with Hi Speed Burnishing pads.

## Operating Instructions

**Check machine for damage to cord or plug.**

**Use only Hi Speed Burnishing pads 20" or 19" diameter.**

**To install or change the pad:**

1. Unplug the machine.
2. Tip the machine back on the wheels.
3. Remove the center-lock.
4. Center the pad on the pad driver.
5. Replace the center-lock and tighten securely.

**To operate the machine:**

1. Plug into a grounded outlet.
2. Release the handle and lower it.
3. The handle can be locked into a comfortable position for the operator or used free floating.
4. Press the safety lever and squeeze the trigger to start the machine.
5. Do not operate in one place as damage to the floor or finish could result.
6. Do not operate the machine with the handle in the upright position.
7. Remove the pad after every use.
8. Store the machine tilted back on the transport wheels.
9. Use only new or clean pads and reverse them as needed.

### Maintenance

To maintain appearance – wipe the machine with a damp cloth after use.

**Warning** – Unplug the machine before servicing

**Every 200 – 250 hours:**

1. Check the motor brushes for wear or excessive arcing.
2. Check belt tension.
3. Check the cord and electrical system.
4. Check the safety lockout on the trigger.
5. Check wheels and bearings.

## Parts List

## Illustration

	Part #	Description	Qty
Fig. 1	310122	Switch Box, handle	1
	310121	Cover, Switch Box	1
	310153	Switch Plate	1
	210102	Switch	1
	310124	Handle Tube 7/8x16"	1
	310118	Grips	2
	310120	Trigger, Switch	1
	310119	Safety Lock	1
	110149	Spring	1
	110163	Clip, Spring	1
	210103	Cord, 75' - 14-3 ST	1
	210105	Cord, Handle 14-3	1
	210106	Grommet 3/8 ID	1
	310125	Handle, Weldment	1
	110150	Screw 1/4 - 20 x 3/4	2
	110115	Nut, 1/4 - 20 Nylok	2
	110140	Screw 1/4 - 20 x 1 3/4	4
	210109	Wire, ground	1
	210110	Wire Nut	2
	110146	Wire Tie	1
110118	Screw # 6	2	
110159	Decal, Safety	1	
110105	Serial Tag	1	
110171	Decal, Made In USA	1	
Fig. 2	310102	Pulley, 1600 RPM	1
	310103	Pulley, 2000 RPM	1
	110155	Spacer, .75 ID	1
	310105	Pulley, Pad Drive	1
	110145	Spacer, Pulley Brgs	1
	110102	Bearing	2
	310109	Bracket, Pulley Mt.	1
	310123	Belt, 1600	1
	310134	Belt, 2000	1
	110119	Washer, Flat 5/16 USS	1
	110120	Washer, lock 5/16	1
	110152	Bolt, 5/16-18 x1" Hex	1
	110123	Washer, Flat 3/8	8
	110124	Washer, Lock 3/8	8
	110126	Bolt, 3/8-16 x 1.25	5
	110127	Nut, 3/8-16	1
	110125	Bolt, 3/8-16 x .75	4
110165	Bolt, 3/8-16 x 1"	1	
Fig. 3	310101	Base, High Speed	1
	210101	Motor, 1.5 HP, 3200	1
	310114	Wheel 5"	2
	310112	Wheel 4"	2
	310132	Axel, 1/2" x 12 3/8"	1
	310115	Axel, 1/2" x 13.875"	1
	310116	Axel, 1/2 x 17.25"	1
	110144	Caps, Axel 1/2"	6

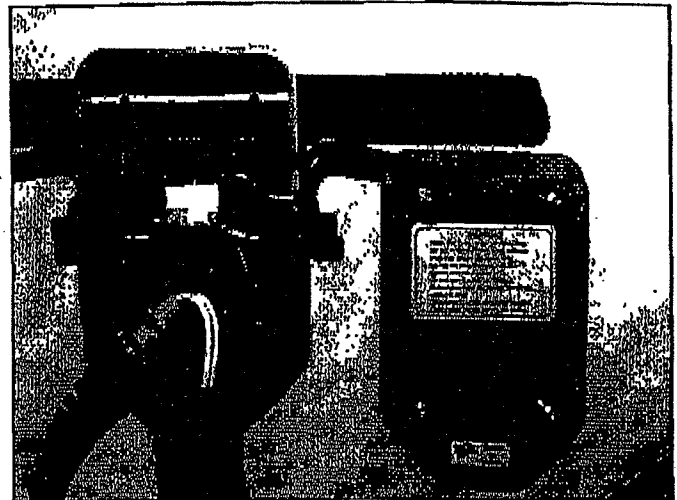


Fig. 1

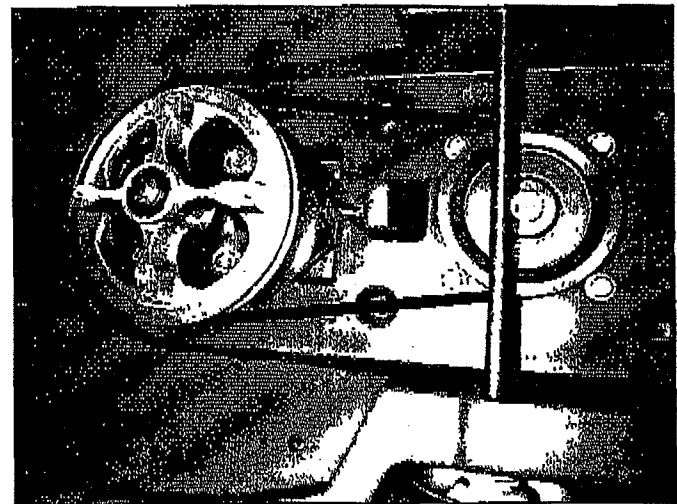


Fig. 2

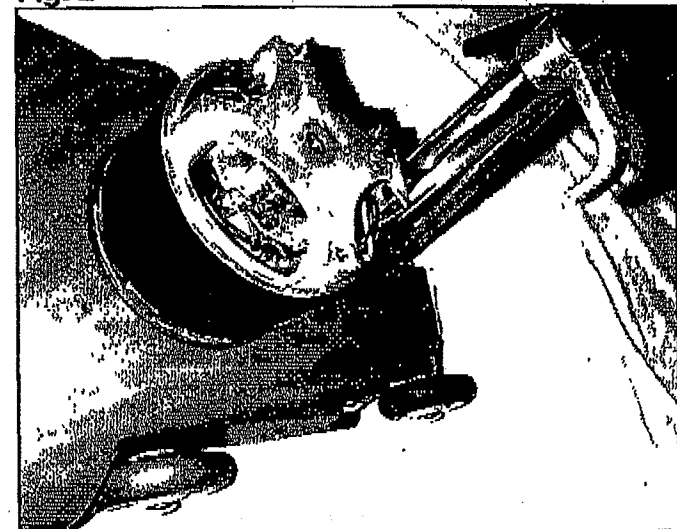


Fig. 3

	Part #	Description	Qty
<b>Fig. 4</b>			
	310129	Handle Cam Lock	1
	110111	Bolt, Adj 5/16-18 Cam	1
	110112	Washer, Oval	1
	110148	Nut, 5/16-18 Nylock	2
	310128	Cord Hook	1
	310130	Bracket, Handle	1
	110114	Pin 1/4 x 3/4	1
	110164	Washer, Spring 1/4"	1
	110151	Cap, Push 1/4"	1
	110169	Washer, Spring 3/8"	1
	110188	Washer, Spring 1/2"	7
	110103	Washer, Nylon	7
<b>Fig. 5</b>			
	310117	Cover, Motor, Flat Top	1
	110141	Screw 1/4-20 x 1"	4
	110142	Washer 1/4 Flat	4
	110143	Washer 1/4 Lock	4
	310111	Bumper	1
	110150	Screw 1/4-20 x 3/4	2
	110130	Washer, Fender 1/4"	2
	310106	Pad Driver Assy	1
	110166	Screw 5/16-18 x 1.25	4
	110172	Manual, 1600/2000	1
	110107	Box, Packaging	1
	110134	Box, Insert bottom	1
	110135	Box, Insert Handle	1

Fig. 4



## Warranty Policy

### Subject to the conditions below

**12 Year** Manufacturer warrants the rotationally molded polyethylene tanks/housings and injection molded assemblies to be free from defects in material and workmanship for a period of twelve (12) years to the original purchaser.

**3 Year** Manufacturer offers a three year warranty to the original purchaser on other components to be free from defects in material and workmanship. Normal wear items are exempt.

**Proudly  
Manufactured in  
United States of  
America**

