

Powr-Flite[®]

OPERATOR'S MANUAL

Powr²Orbital Floor Machine

ORB1420



**WARNING: OPERATOR MUST READ AND UNDERSTAND THIS MANUAL
COMPLETELY BEFORE OPERATING THIS EQUIPMENT.**

Save These Instructions

INTRODUCTION

Check the carton for shipping damage. Carefully unpack and inspect your new Powr-Flite dryer for shipping damage. Each unit is tested and thoroughly inspected prior to shipping. If damage is discovered, immediately notify the transportation company that delivered your machine and request an inspection. As a manufacturer, we are unable to act upon any claim for concealed damage; you must originate the claim. Be sure to keep the carton, packing inserts, packing lists, and carrier's receipt until the inspector has verified your claim.

For warranty information go to www.Powr-Flite.com

This manual has important information for the use and safe operation of the unit. Read this manual carefully before starting the machine. Keep the manual available at all times and instruct all operators to read this manual.

REFERENCE INFORMATION

Model Number _____

Serial Number _____

Date Purchased _____

Retain this manual as a permanent record of your purchase.

OPTIONAL ACCESSORIES

Accessory	Part No.
4 Gallon Tank	FM91
22 Lbs. Weight	X1090

Warning: The power cord on this product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm. **WASH HANDS AFTER HANDLING.**



IMPORTANT SAFETY INSTRUCTIONS

BEFORE USING A FLOOR MACHINE, BASIC PRECAUTIONS SHOULD BE FOLLOWED, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS BEFORE USING THE FLOOR MACHINE.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

WARNING

To reduce risk of fire, electric shock or injury:

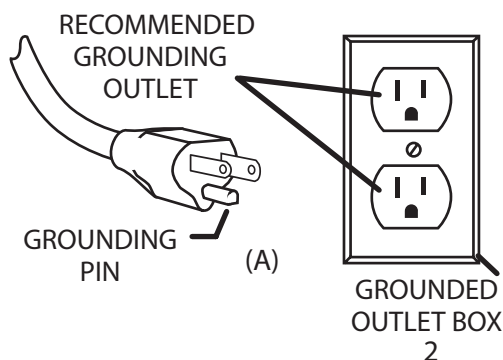
- “WARNING OF POTENTIAL INJURY”. The floor machine contains moving parts, be sure to unplug machine before servicing to reduce the risk of injury.
- Do not put any objects into openings.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Never turn the appliance on with the handle in the upright position. Make sure the handle is in operating position.
- Do not leave machine unattended when plugged in. Unplug the electrical cord when not in use or before servicing.
- Use only as described in this manual. Use only manufacturer’s recommended attachments.
- Do not use with damaged cord or plug. If floor machine is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center before using.
- Do not pull or carry by cord, use cord as handle, close a door on cord, or pull a cord around sharp edges or corners. Do not run floor machine over cord. Keep cord away from heated surfaces.
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Verify if local voltage is 115 V.

GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk 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 appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 115-volt circuit, and has a grounding plug that looks like the plug illustrated in sketch A.



A

3



PART LIST		LISTA DE PARTES	
1	SWITCH BOX	CAJA SWITCH	
2	HANDLE GRIP	MANGO MANERAL	
3	STARTING LEVER	PALPANCA DE ENCENDIDO	
4	LINE CORD	CABLE ALIMENTACIÓN	
5	THUMB SWITCH	SEGURO PARA PALANCA DE ENCENDIDO	
6	HANDLE TUBE	TUBO MANIJA	
7	CORD HOOK	SOPORTE CABLE	
8	ADJUSTING LEVER	PERILLA DE AJUSTE	
9	MOTOR CORD	CABLE MOTOR	
10	WHEELS	RUEDAS	
11	MOTOR	MOTOR	
12	CHASSIS	CHASIS	
13	PAD DRIVER	PORTA COJINETE	
14	PAD	COJINETE	
15	ARM BRACKETS	SOPORTES DE BRAZO	

HOW TO ASSEMBLE THE PAD

Always unplug the machine before installing any accessory.

1. Unplug machine, secure handle tube in vertical position and lay down the machine turning it over its wheels until the underneath side of the machine is vertical and fully exposed.
2. Before laying down machine, place a clean towel on the floor to keep the switch box from scratching.
3. Install or replace pad. The pad should be replaced if it has become matted down to a thickness of 3/8" or less.
4. Remove existing pad then center new pad over grip face. Press pad against grip face until the hooks in the driver have set in the pad.
5. Return the machine to the upright position.
6. Do not operate this machine with out the pad in place.

HOW TO START YOUR FLOOR MACHINE

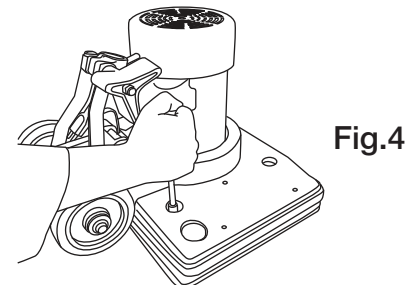
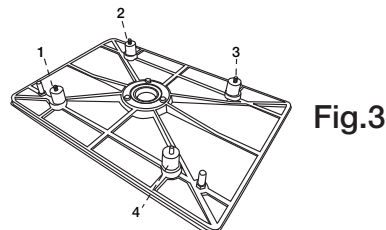
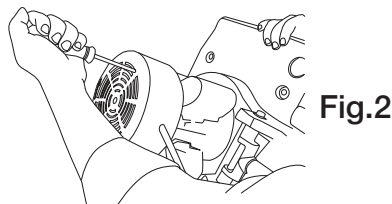
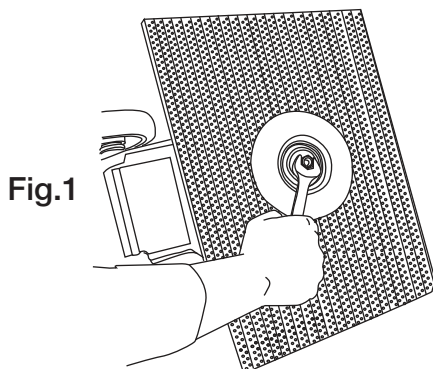
1. Plug the power cord into a proper grounded outlet.
2. Adjust handle tube in a comfortable position by loosening the adjusting lever at the desired height.
3. Press Switch lock and at the same time, press the starting switch on the handle grip. The motor will start. **WARNING:** The chassis should be parallel to the floor when you turn the machine on. It is recommended to familiarize with the machine by working on large spaces until you gain experience with the machine.
4. To turn the machine off simply release the starting switch while keeping hands on handle grip.

HOW TO REPLACE ISOLATORS

The unit works with 4 isolators that reduce the vibration of the floor machine during operation. If the unit vibrates or makes more noise than usual, then the replacement of the isolators may be necessary.

To replace them follow these instructions:

1. Always unplug the machine before replacing any part.
2. Follow instructions 1 & 2 on how to assemble the pad.
3. Remove the central part of the grip face pulling it off the pad driver.
4. Remove the central screw on the bottom of the pad driver with a 3/4 wrench (Fig.1).
Note: To unscrew the central screw, you can use a screw driver to block the fan on top of the motor (Fig. 2) this will hold the screw from spinning.
5. Remove the screws that hold the pad driver with the chassis, 4 screws (Fig. 3)
6. Unscrew the isolators and replace with new ones, 4 isolators (Fig. 4)
7. Follow the same instructions in reverse to reassemble the unit.



ADVERTENCIAS

**AL UTILIZAR SU PULIDORA, SE DEBEN SEGUIR LAS SIGUIENTES PRECAUCIONES:
LEA TODAS LAS INSTRUCCIONES ANTES DE UTILIZAR SU MÁQUINA.**

GUARDE ESTE MANUAL PARA FUTURAS REFERENCIAS

PRECAUCIONES

Para reducir el riesgo de fuego, choque eléctrico o daño físico:

- **PRECAUCIÓN DE POSIBLES DAÑOS:** La pulidora contiene piezas movibles, desconecte la máquina antes de darle servicio para reducir el riesgo de daños.
- No ponga objetos en ninguna de las aberturas, ni se utilice con alguna abertura bloqueada.
- Mantenga el cabello, ropa suelta, dedos y cualquier parte del cuerpo lejos de aberturas y partes con movimiento.
- Nunca opere el aparato con la manija en posición vertical. Asegúrese que la manija esté en posición de operación.
- Verifique si el voltaje local es de 115 V.
- No deje su pulidora sola cuando esté conectada. Apáguela y desconéctela cuando no esté en uso y antes de darle servicio.
- Usese solo como se describe en este manual. Utilice únicamente accesorios recomendados por el fabricante.
- Si el cordón de alimentación es dañado, debe ser reemplazado por el fabricante o su agente de servicio o personal calificado para evitar el riesgo.
- No cargue o jale la pulidora del cordón, ni lo use como manija, no jale el cordón sobre orillas o esquinas filosas y manténgalo alejado de las superficies calientes.
- No utilice extensiones o enchufes sin la capacidad de corriente adecuada.

ESTE MODELO ES ATERRIZADO - CONECTE SOLO A UN CONTACTO ATERRIZADO - VEA LAS

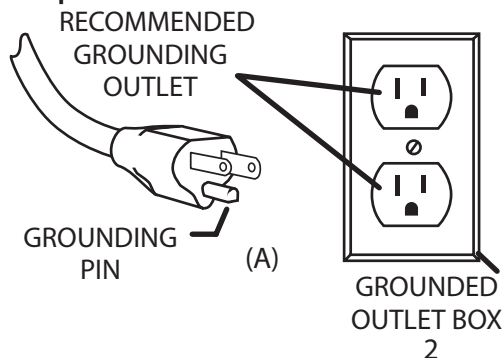
INSTRUCCIONES DE ATERRIZADO.

INSTRUCCIONES DE ATERRIZAJE.

General - Este aparato deberá ser aterrizado mientras esté en uso para proteger al operador de un choque eléctrico. Esta máquina cuenta con un cable de alimentación de 3 conductores y una clavija aterrizada para conectar a una toma de corriente en la posición correcta de los contactos.

El conductor verde (o amarillo verde) es el cable de tierra. Nunca conecte este cable a otra conexión que no sea la de tierra en la clavija.

ADVERTENCIA - Una conexión inapropiada puede provocar riesgo de choque eléctrico, revise por medio de un electricista capacitado que el contacto que utilizará esté debidamente aterrizado. No modifique la clavija de la máquina, si la clavija no ajusta en el contacto, instale uno llamando a un electricista capacitado.



COMO INSTALAR EL COJINETE

Siempre desconecte la máquina del tomacorriente antes de colocar los cepillos.

1. Desconecte el cable de alimentación, fije el tubo manija en posición vertical y voltee la máquina girándola sobre sus ruedas, hasta que quede horizontal y con el fondo accesible.
2. Antes de voltear el aparato, coloque un paño o material suave y limpio para recargar la caja manija.
3. Instalar o cambiar el pad. El cojinete debe cambiarse sí el grueso del mismo es menor a 3/8" o menos.
4. Retire el cojinete viejo y coloque uno nuevo centrado sobre el frente con agarre presionando hasta que el pad ya no se caiga.
5. Regrese la máquina a la posición vertical.
6. No opere la máquina sin un cojinete en posición.
7. Siempre deje un cojinete en la máquina para proteger el frente con agarre de cualquier daño.

COMO ENCENDER SU PULIDORA

1. Conecte el cable de alimentación en una toma de corriente aterrizada.
2. Ajustar el tubo manija a una posición cómoda aflojanda la palanca de ajuste a la altura deseada.
3. Oprima el seguro de encendido y al mismo tiempo, oprima la palanca de encendido y entonces encenderá el motor. **PRECAUCIÓN:** El chasis debe estar paralelo al piso en el momento de arrancar; si éste se encuentra inclinado, la máquina se desplazará hacia a un lado. Se recomienda que los primeros intentos se realicen en un área grande en lo que adquiere la experiencia requerida.
4. Si desea apagar la máquina simplemente deje de oprimir la palanca de encendido sin soltar el maneral.

COMO CAMBIAR LOS AMORTIGUADORES

La unidad SP-15 funciona con 4 amortiguadores que reducen la vibración de la máquina durante la operación.

Si la unidad vibra o hace más ruido de lo normal, entonces es necesario sustituir amortiguadores.

Para reemplazarlos, siga estas instrucciones:

1. Desenchufe siempre la máquina antes de cambiar cualquier parte.
2. Siga las instrucciones 1 y 2 sobre cómo instalar el cojinete.
3. Quite la parte central de la malla retén, jalándola del porta cojinete.
4. Retire el tornillo central en la parte inferior del portacojinete con una llave española de 3/4 (Fig 1).

Note: Para aflojar el tornillo central, se puede utilizar un destornillador para bloquear el ventilador en la parte superior del motor (Fig. 2) esto impedirá que el tornillo gire.

5. Retire los tornillos que sujetan con el chasis, 4 tornillos (Fig. 3)
6. Destornille los amortiguadores y sustitúyalos con nuevos, 4 amortiguadores (Fig. 4)
7. Siga las mismas instrucciones en sentido inverso para volver a montar la unidad.

Fig.1

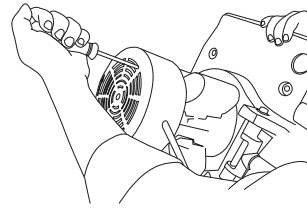
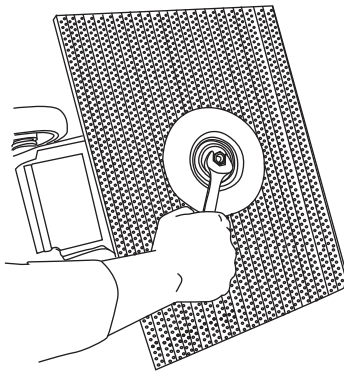


Fig.2

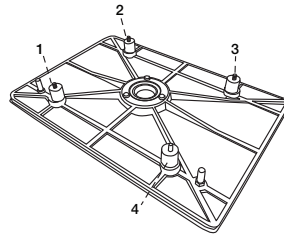


Fig.3

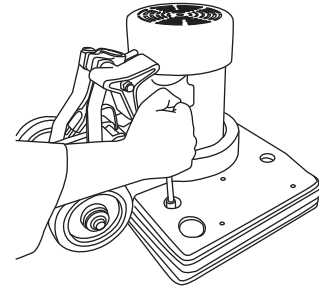


Fig.4

TROUBLE SHOOTING CHART

ISSUE	POTENTIAL CAUSE	PROPOSED SOLUTION
Machine will not start	No electrical connection	Check to make sure that machine is plugged into an outlet
	Safety switch may not be pressed in allowing start up of machine	Read Operating Instructions to ensure proper steps are being taken
	Switch may be defective	Contact a service center to have tested
	Electrical voltage from outlet may be too low to power machine	Check the electrical outlet voltage
Circuit breaker/fuse is being tripped	Electrical voltage from outlet may be too low to power machine	Once motor has had time to cool down, depress the machines circuit breaker (red button on the side of the motor) to reset it. Try to start machine again
		Check the electrical outlet voltage
		Eliminate extension cord if using one and plug machine directly into an outlet closer to work area
Machine is not running at a consistent speed	If extension cord is being used, the length may be too long	Make sure that you are not using an extension cord longer than 25 feet. Make sure that the cord gauge is AWG 10.
		If extension cord is not being used, contact a service center to have your machine tested
Machine is pulling hard to one side	Pad is worn	Replace pad
	Rubber isolators are worn	Contact a service center to replace isolators
Machine is louder than it was new	Rubber isolators are worn	Contact a service center to replace isolators
	If equipped with weight kit, weights may not be secured properly	Make sure that weights are seated properly and that knobs are fully tightened
	Bearing is worn	Replace bearing assembly