



Precision Engineered

**Origin OP445
Origin Polisher
Floor machine**



Owners Operating Guide

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SAFE AND PROPER USE OF THIS MACHINE

Make sure that this manual is read and understood by the operator. Only trained operators should operate this machine once they are familiar with the adjustments and correct method. When using this machine, basic safety precautions should always be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.

1. **DO NOT** leave this machine unattended when it is plugged in. **Unplug** from the outlet when not in use and before fitting or removing the brush.
2. Use this machine only as described in this manual. Use only manufacturer's recommended accessories including brushes.
3. **DO NOT** use with a damaged electric cable.
4. **DO NOT** use if this machine has been left outdoors and exposed to rain or water. Return the machine to an authorized dealer for examination.
5. **DO NOT** pull or carry the machine by the electric cable. **DO NOT** use the cable as a handle, close a door on the cable, or pull the cable around sharp edges and corners.
6. **DO NOT** run machine over the cable.
7. **KEEP** the cable away from heated surfaces.
8. **DO NOT** unplug by pulling on the cable. To unplug, grasp the plug, not the cable. Wind the cable from the machine end not from the plug, this will prevent the cable from twisting and extend its life.
9. **DO NOT** handle the plug or the machine with wet hands.
10. **Keep** hair, loose clothing, fingers, rags, steel wool and feet from openings, rotating brush and other moving parts. **Make sure no openings are blocked that will restrict airflow.**
11. **Switch off** all controls before plugging or unplugging this machine into an electrical outlet.
12. **DO NOT** use in an enclosed space filled with vapours given off by oil based paints, paint thinners, flammable dust, powdered milk, or other explosive or toxic vapours. **THIS IS NOT AN EXPLOSION PROOF MACHINE.**
18. Always store this machine indoors.

This appliance is not intended for use by young children or infirm persons, without proper supervision. Young children should be supervised to ensure that they do not play with this appliance.

DO NOT expose to rain and **DO NOT** pick up water or other liquids.

This machine is insulated for your protection. However, a shock can occur if the electric cable is damaged. If the supply cable is damaged, it must be replaced by the manufacturer or its agent or retailer to ensure the correct type of approved cable is supplied in order to avoid a hazard. Make sure that the cable is kept clean to help highlight cable damage.

Delivery and Assembly

Packaging

This machine is packed in two cartons. Carton 1 contains the handle assembly and carton 2 contains the base assembly, the brush and the operating guide.

To remove the base assembly cut the side of the carton where the wheels are located. Lock wheels into place then lift the handle from the base **front** and roll the base assembly out of the carton.

Remove handle from the carton by sliding out of the carton.

Handle Assembly

Tools required to assemble handle to the base:

2 x 17mm spanners, 2 x 13mm spanners and a hammer.

Remove tape from the lower end of the handle and from the electric cable. Be careful not to cut the electric cable.

Remove the M10 nut, washers and M10 x 120mm bolt from the main handle hinge. Fit handle hinge between the wide base lugs. Fit washer under M10 bolt head then locate the M10 bolt and washer into the lug from the **RHS from base rear**) see picture 1. Tap bolt head with a hammer until it is through the second lug. Fit washer and M10 nut to the bolt and tighten until firm.

Remove the M8 nut, washers and M8 x 50mm bolt from the support handle hinge. Fit support handle hinge between the narrow base lugs. Fit washer under M8 bolt head then locate the M8 bolt and washer into the lug see picture 1. Tap bolt head with a hammer until it is through the second lug. Fit washer and M8 nut to the bolt and tighten until firm.



Picture1

Electrical Connection

Locate 4 pin socket from the handle and align to the 4 pin receptacle under the capacitor box so that the locators engage (see picture 1). Push in socket and turn the locking nut on the socket until tight. If the locking nut is not engaging then pull back on the socket a fraction and then turn. Tighten socket nut until hand tight.

Adjustments and Operating

1. Handle Adjustment

To adjust handle height, lift the handle clamp open (see picture 2) and then adjust the handle to waist height. Once handle is in a comfortable position lock the handle clamp close. (see pictures 3)

If the handle requires the lock position to be tighter to prevent movement, then lift the handle clamp open and rotate the handle clamp clockwise one turn and then lock the handle clamp closed (see picture 6). If needed repeat this procedure. **HOWEVER DO NOT OVER TIGHTEN.**



Picture 2



Picture 3

2. Pad and Brush Size

Use a 45cm Quick Release brush or a 45cm Quick Release pad holder with a 45cm pad.

Fitting a Brush or a pad holder

MAKE SURE MACHINE IS NOT PLUGGED IN. Bring the Handle to the upright locked position and have the wheels in the down position (see picture 4). Standing behind the machine, lay the machine back onto the floor. Locate the brush or pad holder to the centre of the Quick Release Adapter (see picture 5) and push on. Then lock the Quick Release Adapter by turning the lock plate in a clockwise direction. (See Picture 6) Return the machine to an upright position.

Note: The Origin Polisher is supplied with a bassine brush that is suitable for this machine. Other type of brushes can effect the result on the floor and can cause increased amperage overload on the motors. The same is true for different pads. Seek advice from your Dealer.



Picture 4



Picture 5



Picture 6

3. Once machine is in the upright position lift the wheels of the floor with your foot as far up as they will go while holding the handles. Adjust the handles to a comfortable position, usually just below your waist.

4. Controls and Indicator Light

At the top of the handle switch box is a light that indicates electric power to the machine when lit. The front of the switch box has two push buttons which are a safety locking device to prevent switch levers from accidentally activating. Under each handle grip are the switch levers that activate the switch.

The label on the front of the switch box indicates that the push button lock must be pushed in before lifting the switch lever. Each button unlocks the switch lever next to it. To activate the machine either switch lever or both together will start it. (See Pictures below).



Before switching the machine to on, make sure you have the cable laying away from the brush area and know where the cable is at all times.

5. Electric Cable Maintenance

Unplug electric cable from the wall socket and wind the cable **starting from the machine end of cable - not the plug end**. This will help prevent the cable from twisting and causing premature failure. Wind the cable around the hook and the handle (See Picture 7 & 8). Check for any **damage to the cable** while winding it. If there is any damage do not use the machine until the cable is replaced.

Make sure the cable is looped through the cable restraint (See Picture 9).



Picture 7



Picture 8



Picture 9



Picture 10

6. Motor Thermal Overload Switch

The Brush motor is fitted with a thermal overload to protect it. This switch will activate if the motor gets over loaded, after allowing time for the motor to cool, the overload switch can be reset by pushing the button (See Picture 10). Motor overheating is usually caused by an extension cord or the wrong brush or pad for the floor surface.

Machine Transportation

To transport the machine, ensure that the handle is in the upright position and that the wheels are fully extended in the down position. Stand behind the machine handle and tilt the machine backwards and then move the machine. See picture 11.

Whenever possible avoid lifting the machine up or down stairs, use a lift.

Do not transport the machine up stairs by pulling on the handle as it can cause injuries to the operator.

When lifting the machine operators should be trained in lifting and in handling techniques. This machine can be lifted by using the handle in the front and holding the machine handle bars as shown in picture 12.



Picture 11



Picture 12

Machine Operation

- After fitting the brush or the pad driver (IF NEITHER IS FITTED DAMAGE CAN BE CAUSED TO THE FLOOR IF THE MACHINE IS USED).
- Adjust the handle to a comfortable position.
- Rotate the wheels up off the floor.
- Check that the electric cable is plugged in and that the indicator light on the switch box is lit. Make sure the cable is away from the brush
- Push in the safety lock button and lift the switch lever.

Machine Movement

The machine moves by tilting the handle up or down. Lift handle up and the machine moves to the right, handle down and the machine moves to the left. Holding the machine handle in a neutral position and the machine will be stationary. The machine is controlled through balance and not through strength.

Maintenance and storage

Electric Cable

1. Unplug the electric cable when the machine is unattended or not in use, or when cleaning the machine or changing the brush or pad.
2. Wind the electric cable from the machine end to prevent the cable from twisting. Wind the cable around the handle and the cable hook. While winding the cable have a rag in one hand to clean it and check for damage.
3. Replace the electric cable if there is any damage or badly kinked. The cable must be replaced with the manufacturer's original cable by an authorised dealer.

Brush Care

Do not store the machine with the brush attached as this can cause brush damage and Bouncing of the machine when in use.

Replace the brush when worn or the bristles are flattened out. The brush performs best on the ends of the bristle.

Excessive amounts of floor finish or dirt collected on the brush can cause drag and overload the machine. Keep the brush and pads clean after use.

WARRANTY

Origin Cleaning Equipment Pty Ltd (Origin) warrants to the original purchaser that this product is free from defects in workmanship and materials under normal use and service for a period of 12 months from date of purchase, provided such claims are submitted through and approved by Origin authorized dealers. Origin will under warranty repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as filter bag, floor tool, hose assembly and wand.

All warranted items become the sole property of Origin Cleaning Equipment Pty Ltd.

This limited warranty is in lieu of all other warranties, expressed or implied, and releases Origin from all other obligations and liabilities. Origin is not responsible for costs for repairs performed by persons other than those specifically authorized by Origin. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, or damage to property, or loss of income due to malfunction of the product.

If a difficulty develops with this product, you should contact the dealer from whom it was purchased.

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