



User Manual

Orbitals

Model:
ECO14-PRO, ECO17-PRO

REV. 8/9/24



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Dear Customer:

Congratulations on the purchase of your new Orbital All-Surface Floor Machine. As technology continues to develop you can work confidently knowing that both Mytee and its employees are equally dedicated to developing with the industry and its advances.

Like any other piece of machinery or technology, the ECO PRO also requires proper maintenance and care to keep the product working over extended use. Neglecting your machine, abusing it or not operating it properly can void its warranty and prevent the machine from performing to the quality and standard you'd expect out of the Mytee line.

If you have any warranty concerns or questions, please review this manual thoroughly or do not hesitate to contact your distributor. If there are questions regarding maintenance, replacement, or ordering parts please contact an authorized Mytee Service Center. To see an updated list please visit our website at <http://www.mytee.com/support/service-centers>.

Before using your Mytee product, please read this manual thoroughly.

Sincerely,

Mytee Customer Care Dept.

	Important Safety Information	4
1	At a Glance	6
	1.1 - Technical Specifications	6
	1.2 - Included with the ECO PRO	6
	1.3 - ECO PRO Front View	7
	1.4 - ECO PRO Rear View	8
2	Machine Operation	9
	2.1 - Powering the ECO PRO	9
	2.2 - Pad Drivers, Pads, and Brushes	9
	2.3 - Filling the Solution Tank	9
	2.4 - How to Operate the ECO PRO	9
	2.5 - Emptying the Solution Tank	9
3	Machine Maintenance	10
	3.1 - Unclogging Spray Jets	10
	3.2 - Filter Maintenance	10
4	Troubleshooting	11

Important Safety Information

Grounding Instructions

This machine must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local code and ordinances. Do not remove ground pin; if missing, replace plug before use.



Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify either the plug nor the machine's cord, instead have a proper outlet installed by a qualified technician.

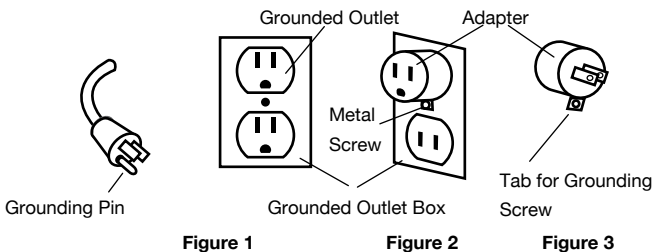
This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (Figure 1) can be installed by a qualified electrician. When and if this type of adapter is employed, screw the adapter's extended tab into place with a metal screw. However, grounding adapters are not approved for use in Canada.

Again, be sure to check the grounding pin for damages and replace if necessary.

The Green, or Green-Yellow, wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to only the grounding pin.

DO NOT use extension cords.

Please Note for America use only.



Parts and Service

Please contact a Mytee service personnel or Mytee authorized Service Center using Mytee original replacement parts and accessories for repairs are needing to be performed. When and if calling Mytee for support, please have your Model and Serial

Number available for faster assistance.

Name Plate

The Model and Serial Number are located on the lower half of the back of the machine near the power plugs and will be required for ordering replacement parts. You can use the space provided on the front of this manual to note down both for future referencing.

Unpacking the Machine

When your new machine is delivered, please carefully inspect both the shipping carton and the machine for damages. If damage is evident, save both the shipping carton and machine so that the delivering carrier can inspect it. Contact the carrier immediately to file a freight claim if there has been any damage.

Caution and Warnings

Symbols

Mytee uses the symbols below to signal potentially dangerous conditions. Always read this information carefully and take the necessary steps to protect personnel and property.



Is used to warn of immediate hazards that will cause severe personal injury or death.



Is used to call attention to a situation that could cause severe personal injury.



Is used to call attention to a situation that could cause minor personal injury or damage to the machine or other property. When using an electrical appliance, basic precautions should always be followed, including the following: Read all instructions before using this machine. This product is intended for commercial use only.

To reduce the risk of fire, electrical shock, or injury:

Read all instructions before using equipment.

Use only as described in this manual. Use only manufacturer's recommended attachments.

Always unplug power cord from electrical outlet before attempting any adjustments or repairs.

Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

Do not pull or carry by cord. Do not close a door on cord or pull

cord around sharp edges or corners.

Do not run appliance over cord. Keep cord away from heated surfaces.

Do not use with damaged cord or plug. If cord is damaged, repair immediately.

Do not use outdoors or on wet surfaces and or standing water.

Always unplug or disconnect the appliance from power supply when not in use.

Do not allow to be used as a toy. Close attention is necessary when used by or near children.

Do not use in areas where flammable or combustible material may be present.

Do not leave the unit exposed to harsh weather elements. Temperatures below freezing may damage components and void warranty.

Use only the appropriate handles to move and lift unit. Do not use any other parts of this machine for this purpose.

Keep hair, loose clothing, fingers, and all parts of the body away from all openings and moving parts.

Use extra care when using on stairs.

To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.

The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.

When cleaning and servicing the machine, local or national regulations may apply to the safe disposal of liquids which may contain: chemicals, grease, oil, acid, alkalines, or other dangerous liquids.

Do not leave operating unattended.

1.1 - Technical Specifications

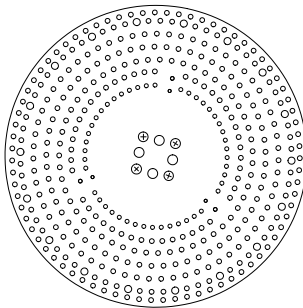
ECO14-PRO

Cleaning Path	14"
Solution Tank	4 Gallons
Motor	1.5 Horsepower
Pump PSI	60
Pump GPM	1.0
Power Consumption	20 amps @ 115V 60Hz
Machine Weight	110 lbs.
Machine Dimensions	28" x 17.5" x 48.5"
Power Cord	Single 50' 12/3, twist-lock

ECO17-PRO

Cleaning Path	17"
Solution Tank	4 Gallons
Motor	1.5 Horsepower
Pump PSI	60
Pump GPM	1.0
Power Consumption	20 amps @ 115V 60Hz
Machine Weight	120 lbs.
Machine Dimensions	28" x 17.5" x 48.5"
Power Cord	Single 50' 12/3, twist-lock

1.2 - Included with the ECO PRO

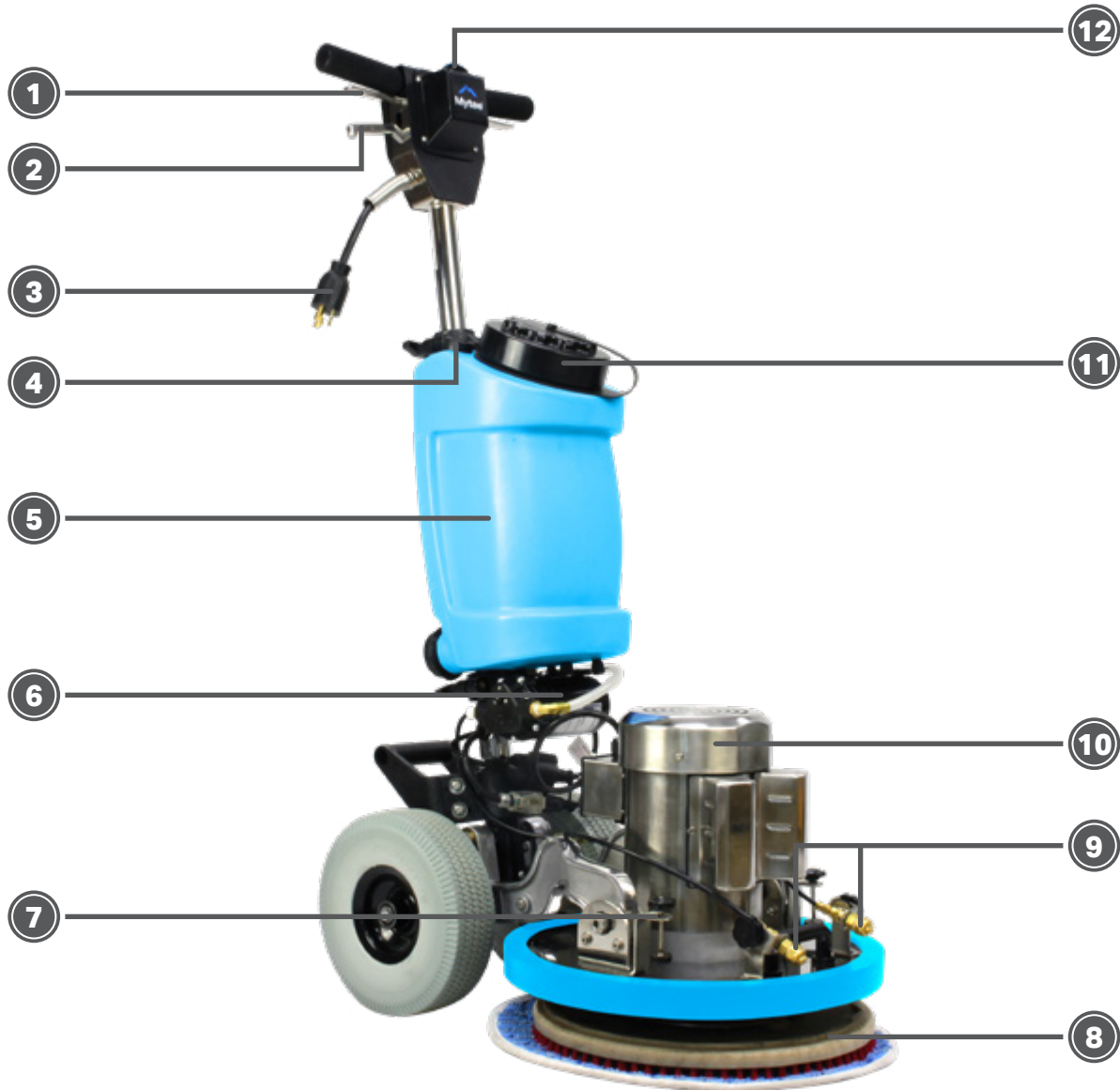


Pad Driver



Two Cleaning Pads

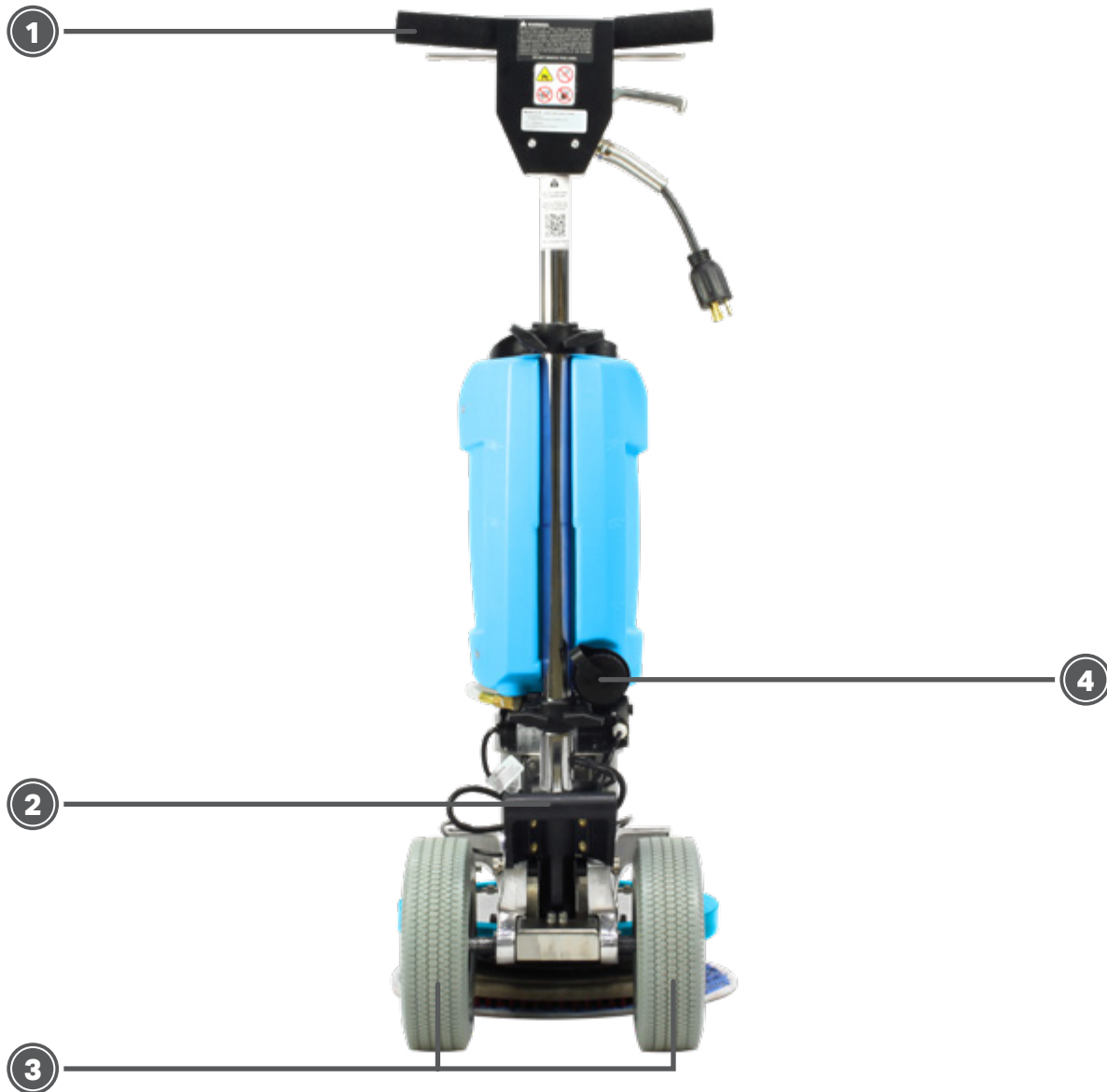
1.3 - ECO PRO Front View



- 1. Spray levers
- 2. Handle height adjustment lever
- 3. Twist-lock power cord pigtail
- 4. Faucet fill hose
- 5. 4 gallon solution tank
- 6. 60 PSI pump
- 7. Bracket for optional A549 Weight Kit (ECO17-PRO model only)

- 8. Pad driver
- 9. Front spray jets
- 10. 1.5 horsepower, 1,750 RPM motor
- 11. Solution tank lid
- 12. Power switch

1.4 - ECO-PRO Rear View



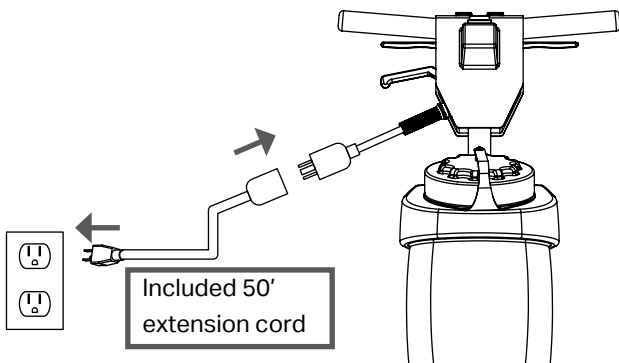
1. Push handlebars

2. Bottom rear lift handle

3. 10" Foam-Filled Wheels

4. Solution tank drain cap

2.1 - Powering the ECO PRO



The Orbital Floor Machine requires a 20 amp, 115V power outlet to operate.

Plug the female end of the 50' twist-lock extension cord into the Orbital Floor Machine's pigtail power cord and twist clockwise to lock. Plug the male end of the extension cord into a wall outlet. ♦

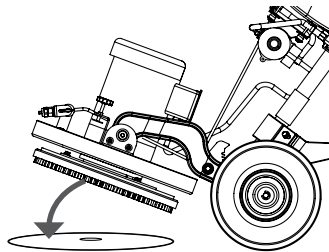
2.2 - Pad Drivers, Pads, and Brushes

Pad Driver

The pad driver comes pre-installed on Mytee's Orbital Floor Machines. To remove the pad driver, undo the four screws on the bottom of the pad driver.

Applying Cleaning Pad

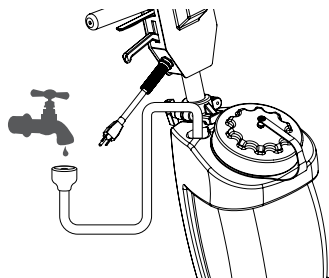
To apply a cleaning pad, just lower the machine with pad driver onto a pad. Make sure the pad is as centered as possible on the pad driver with no driver bristles exposed to carpet. ♦



2.3 - Filling the Solution Tank

Faucet Fill

The solution tank can be filled from a standard faucet. Simply lift the Faucet Fill hose out of the tank and press it against the faucet. Turn on the faucet to allow water to flow down into the tank.



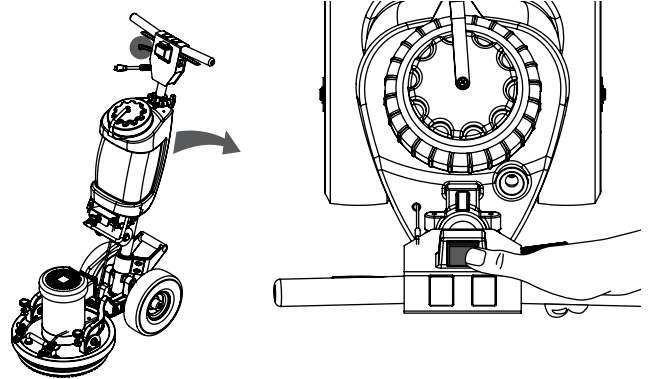
Bucket Fill

To fill using a bucket, twist off the solution tank cap counter-clockwise and pour in water. **IMPORTANT: Tilt back the handle before filling with a bucket in order to avoid spilling water**

on the motor causing damage. ♦

2.4 - How to Operate the ECO PRO

Apply a cleaning pad to the pad driver.

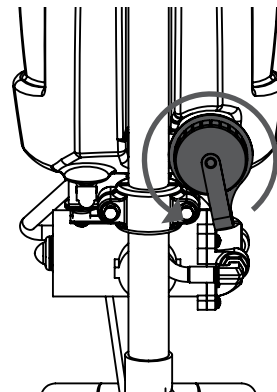


Pull the handle adjustment lever and lower the handle to a comfortable height.

Flip the switch on the handle to the **ON** setting. This will turn on the motor.

Use a back-and-forth motion to work encapsulation chemical into carpet or to scrub hard surfaces. ♦

2.5 - Emptying the Solution Tank



The solution tank can be easily emptied into a bucket by unscrewing the drain cap on the bottom of the tank. ♦

3 - Machine Maintenance

In order to keep the ECO Orbital Floor Machine running smoothly and reduce the risk of damage to the machine and subsequent downtime, Mytee recommends following the maintenance schedule below:

Maintenance Item	Daily	Weekly
Clean and inspect tank.	X	
Clean and inspect hoses.	X	
Check and clean internal filters.	X	
Check power supply cable.	X	
Clean machine with all-purpose cleaner and cloth.	X	
Check spray nozzles.	X	
Inspect spray pattern for clogging. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counter-clockwise.		X
Inspect machine for water leaks and loose hardware.		X

3.1 - Unclogging Spray Jets

To clear spray jets of mineral buildup, remove the two spray jets and soak them in a 1:1 solution of Mytee System Maintainer to water for at least 5 minutes. Then, remove the jets from the solution, rinse, and re-install on the ECO. ♦

3.2 - Filter Maintenance

The ECO has a small filter at the top of the vacuum stack in the recovery tank. This filter should be checked after each use. ♦

Issue	Possible Cause	Solution
Machine is plugged in but does not turn on.	Wires connecting to the switch may be loose or disconnected.	Open up the faceplate on the handle and check the switch for loose or disconnected wires. Re-connect any loose wires.
	Bad power switch	Replace switch. Part no. E515
	Motor circuit breaker may have tripped.	Make sure motor is first cooled down, then reset breaker by pressing button located on bottom of motor conduit box (see Figure A). Make sure that only the proper Mytee power cord extension is being used, and that it is good condition. If the problem persists or reoccurs, contact a Mytee Service Center.
Motor is drawing too many amps and blowing breakers.	Power cord is defective or damaged.	Replace power cord. 13" Pigtail: Part # E417
	Power switch has shorts or loose connections.	Replace power switch. Part # E515
	Power cord from the switch is defective or damaged.	Replace power cord. 38" Pigtail: Part # E575
Machine is making a loud grinding noise.	Bearing failure.	Contact your nearest Mytee Service Center.
	Empty tank.	Fill tank.
No water flow.	Solution tank filter is clogged.	Clean the filter.
	Pump valves are clogged or damaged.	Examine the valves and clean or replace.
Low pressure.	Worn nozzle	Replace nozzle with a new one of the same size.
	Solution tank filter is clogged.	Clean the filter.
	Pump valves are clogged or damaged.	Examine the valves and clean or replace.
Pump pulsates when spraying.	Solution tank filter is clogged.	Clean the filter.
	Pump valves are clogged or damaged.	Examine the valves and clean or replace.
Leaks seen under pump.	Worn pump seals.	Replace with new plunger and seals.
	Abrasives in solution have damaged pump seals.	Mix chemical thoroughly and make sure filter is not damaged.



Figure A



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