



PROLUX
COMMERCIAL

PLCC460S



For your safety, please read the Owner's Manual in its entirety.

Instruction Manual

Important Information

Please read the instructions carefully before using this product.

Notification - to reduce the risk of fire, electric shock / personal injury / property damage

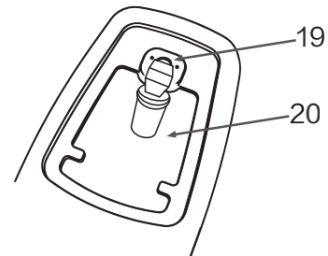
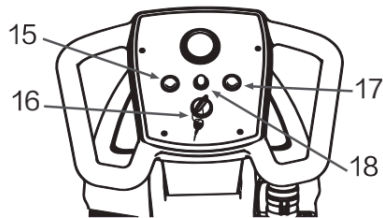
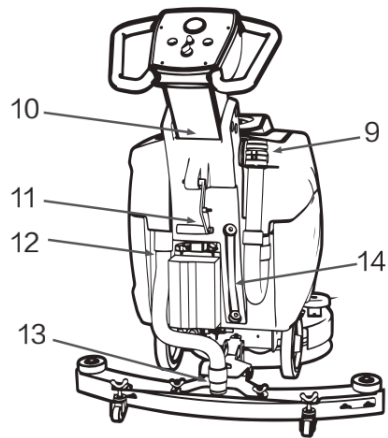
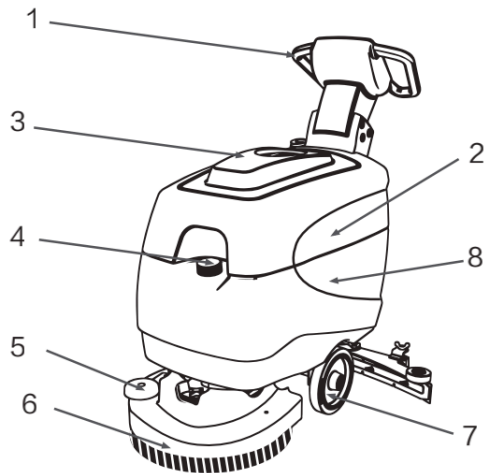
- Do not operate the machine unless trained and authorized
- Still cause the material to cause an explosion or fire, do not use flammable materials in the water tank as a cleaning agent in the machine.
- Still materials or reactive metals can cause an explosion or fire and should not be used to clean flammable or flammable spills.

1. This machine is suitable for commercial use. It is recommended to be used in indoor environment, not suitable for any other purposes.
2. When the machine is used near children, it must be extremely cautious and supervised.
3. Conditions of use: room temperature is between 0°C and 40°C, and relative humidity is between 30% and 95%.
4. Do not place objects on the unit or allow objects to block the entrance or exit of the tank. Do not operate near walls, curtains, etc.
5. Do not use an acidic solution, otherwise it may damage the machine or harm the operator.
6. Be sure to turn off and unplug the machine before assembly, routine maintenance, or when not applicable.
7. It is not recommended to use or sell non-original accessories, which may result in personal injury and/or property damage.
8. Do not repair the machine yourself. The repair must be carried out by authorized personnel.
9. Do not modify the machine.
10. Put flammable substances into the tank, which may cause an explosion or fire. Use only approved cleaning chemicals.
11. Avoid moving parts. Do not wear loose clothing when using/maintaining the machine.
12. Empty the clean water tank and the recovery tank before storing the machine.
13. the machine can only be stored indoors
14. Do not park the machine at a surface that is more inclined than the angle shown on the class.
15. Keep your hands, feet, and loose clothes away from the rotation parts of the machine.
16. During side working, please walk slowly, and pay special attention to the gap between the anti-bump wheel and wall. Do not move the machine from the small obstacles, such as ground socket, doorsill, architrave etc.
17. Always put CAUTION signs near the working place, to prevent car driving through the cord.
18. Empty the recovery tank properly before filling the solution tank.
19. After using the machine, empty and clean the recovery tank.
20. Do not inject the solution tank before emptying the recovery tank.
21. Make sure the power is off before performing any maintenance on the machine.
22. When you add the detergent into the solution tank, do add the anti-foam detergent into the recovery tank.

Specifications

Model	C460S
Working width (in)	18
Squeegee width (in)	30.7
Solution tank (L)	35
Recovery tank (L)	40
Drive type	Pad assist
Brush speed (rpm)	175
Brush pressure (lbs)	77
Efficiency (sq.ft/h)	17200
Voltage (V)	24
Suction motor (HP)	0.73
Brush motor (HP)	0.73
Net weight(lbs)	116
Gross weight(lbs)	154
Package measurement(in)	45*19*43

Machine Components



- 1. Control panel
- 2. Recovery tank
- 3. Recovery tank cover
- 4. Cap
- 5. Guard wheel
- 6. Brush pad
- 7. Big wheel
- 8. Solution tank
- 9. Brain out hose assembly
- 10. Handle

- 11. Charger case
- 12. Suction hose assembly
- 13. Squeegee
- 14. Water level tube
- 15. Suction motor switch
- 16. Power switch
- 17. Brush motor switch
- 18. Overload protector
- 19~20. Floating system

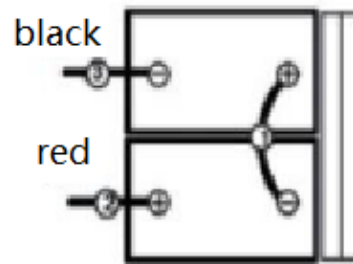
Packaging information

1) machine 2) squeegee 3) brush pad/pad driver 4) two batteries 5) battery charger

Before the machine is set up or used:

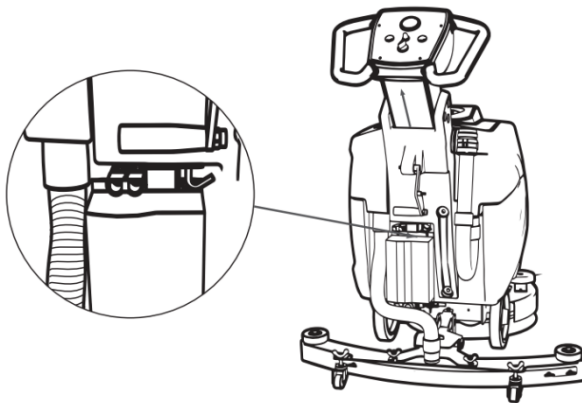
- 1) Check if the hoe assembly is properly installed
- 2) Check if the brush is installed correctly
- 3) The working surface is sufficient to support the weight of the machine
- 4) Ensure that the recovery tank cover is closed before use

Connecting battery



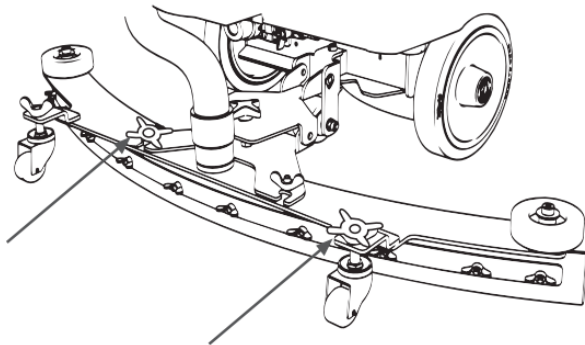
1. Use the provided jumpers to connect the "+" and "-" poles of the two batteries in series.
2. Connect the power plug cable to the other pair of "+" and "-" poles of the battery pack to obtain 24V.

Charging batteries

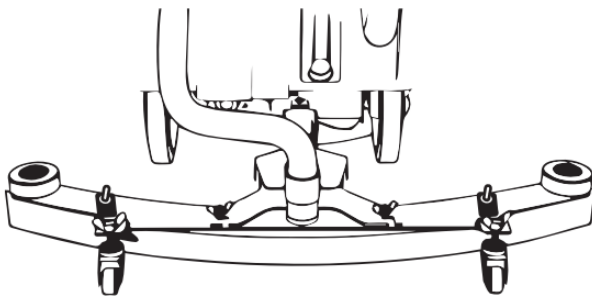


Connect the charger plug to the power supply
Red light is on or flashing = fault
Yellow light flashes = battery is not connected
Yellow light is always on = normal charging
Green light is always on = full charge

Squeegee installation

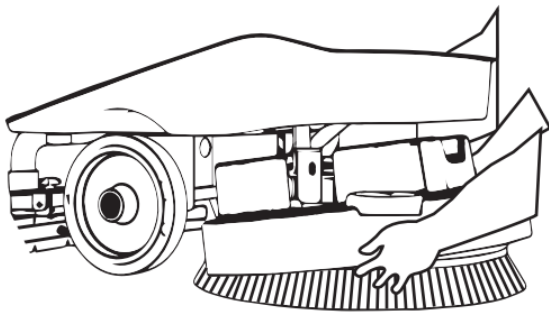


Loosen the two four-star nuts on the hoe assembly and connect the suction pipe to the suction port on the boring head assembly.



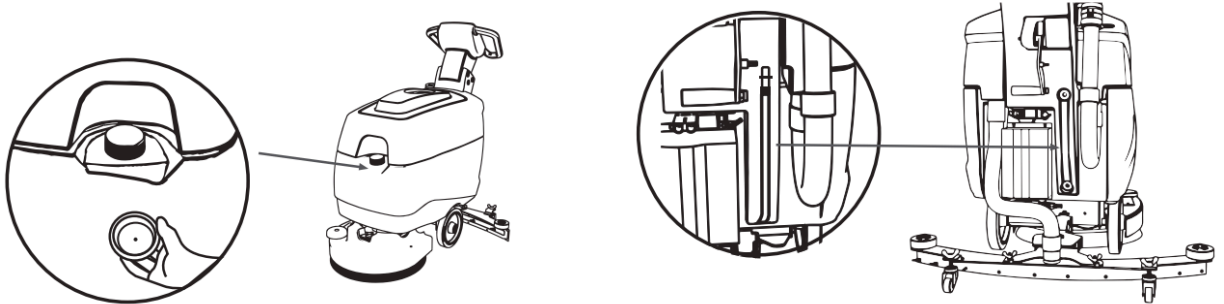
Align the four-star nut with the slot of the boring bracket and tighten the nut

Brush/pad holder installation and removal



- Disconnect the power
- Place the brush/disc under the head assembly.
- Place the three buttons on the brush/disc in the corresponding mounting holes on the machine head and lock them by turning them clockwise.
- Press the brush button switch to fully lock the brush/disc
- To remove the brush/disc, disconnect the power supply and swing the brush/disc clockwise/counterclockwise until it is loose.

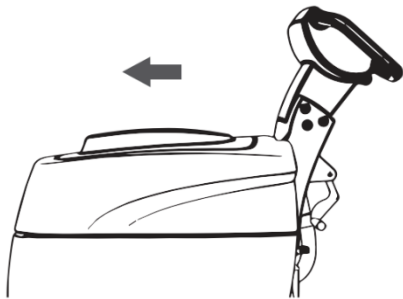
Solution tank



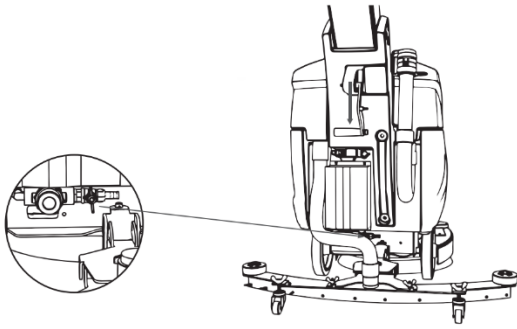
Remove the clear water tank cover and fill the cleaning fluid into the clean water tank
Check the liquid level through the liquid level tube

Instructions

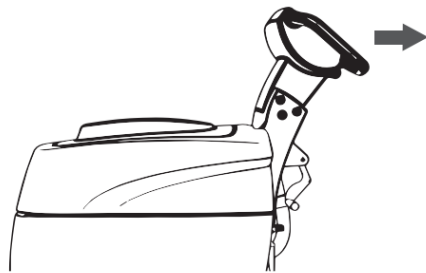
- Turn the key to the ON position



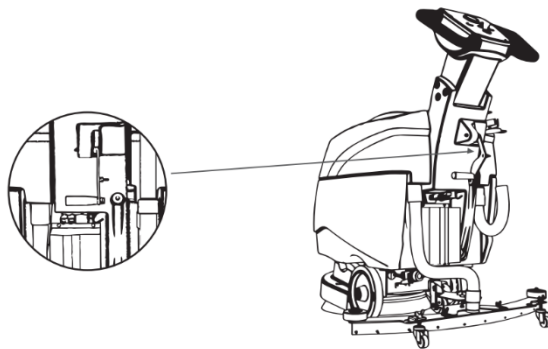
- Press the handle forward and lower the head assembly to the ground
- Reduce the suction assembly by lowering the squeegee lifting lever
- Press the brush button switch to open the brush function
- Press the suction button switch to open the suction function
- The machine is ready for use



- Adjust the amount of water by adjusting the water valve knob



- Close the brush and suction button switch at the same time after use
- Raise the suction assembly by lifting the squeegee lifting rod



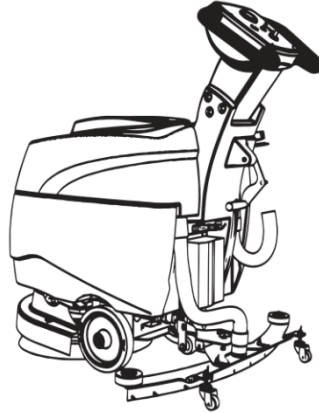
Machine storage

- Store in a dry indoor environment
- Make sure the brush is pressed and the sucking is raised
- Ensure that all water in the clean water tank and the recovery tank are clean. ,
- Especially stored in cold places

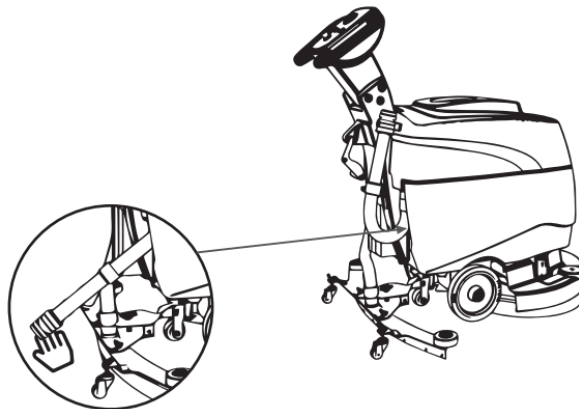
Maintenance

Daily maintenance

- Wipe the entire machine with a clean/supermarket cloth



- Empty the water tank by opening the drain valve at the bottom of the clean water tank



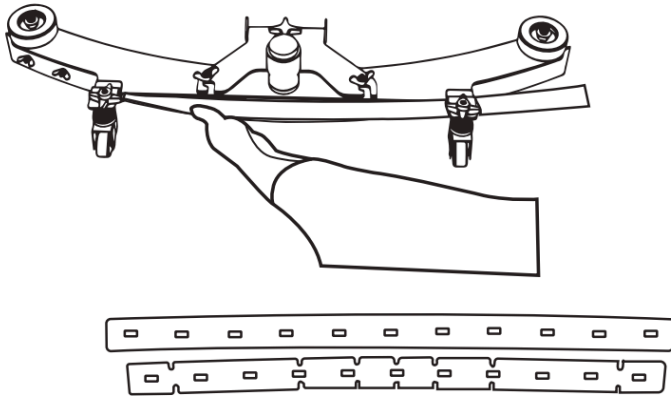
- Drain and flush the recovery tank with clean water
- Remove the brush and hoe assembly and rinse with water

Monthly maintenance

- Rinse the water tank with clean water
- Remove the filter cover and filter and wash with water
- Check the motor every 250 hours to ensure that the motor works normally.

Rubber strip replacement

- Remove the hoe assembly from the machine (refer to the hoe installation instructions)
- Loosen the stainless steel buckle to remove the rubber strip
- Replace the new strip and reassemble the boring head assembly



Troubleshooting

Problem	Phenomenon	Solve
No power	No power connected	Connecting battery
Functional failure	No electricity Vacuum motor does not work Brush motor does not work	<ul style="list-style-type: none"> ● Insufficient battery, please charge; or the contactor does not pick up ● Please check the vacuum motor and related circuits, including motor plugs, relays ● Please check the brush motor and related circuits, including motor plugs, relays
The machine does not produce water or emits very little water.	The water valve is closed The filter is blocked The water tank is empty	Open water valve Cleaning filter Water tank with water
Bad water absorption	Sucking suction hole blocked Strip wear Sucking is not installed correctly Damaged pipe loose or loose Suction pipe blocked The drain cover is loose The sewage tank cover is open The sewage tank is full Vacuum motor inlet blockage Vacuum motor loose	Clean sucking Replace the new rubber strip Make sure the sucking is properly installed Replace the suction pipe or re-install and tighten the suction pipe Check the hose and clear the blockage Tighten the drain cover Ensure that the recovery tank lid is closed and sealed Emptying the sewage tank Check the vacuum motor inlet, clear the blockage, clean the filter cotton Tighten the motor mounting screws, taking care not to over tighten to avoid damaging the motor

The information contained herein is confidential and is intended to be used by Prolux Cleaners authorized distributors and sales representatives.

Prolux Cleaners guarantees its products according to the terms outlined below. There are no other warranties expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Under no circumstances will Prolux Cleaners or the seller be liable for any loss, damage, expense, or consequential damage arising in connection with the use or inability to use these products. If a component fails to meet the term of the warranty due to defects in workmanship or materials, Prolux Cleaners will repair or replace the defective component free of charge, including labor according to our flat rate schedule and the Prolux Cleaners Warranty Procedures.

All warranties implied below are subject to the Exceptions and Exclusions clause in this policy located in this document.

Product Category	Polyethylene and Structural Foam	Steel Body Parts	Switches, Motors Electrical Parts	Labor Paid
Machine	Years	Years	Years	Years
Battery Walk Behind Scrubbers 14" and 18"	5	2	3yr Switches 3yr or 700hrs (whichever comes first) on the motor 3yr Electrical Parts 12mo Pro Rated Lithium Ion Battery	1
Wide Area Vacuum	5	2	1yr Switches 2yr or 700hrs (whichever comes first) on the motor 1yr Electrical Parts	1
Gel Batteries (3) (4)	N/A	N/A	12mo of Full Coverage	N/A
Micro Scrubber	3	2	12mo Pro Rated Lithium Ion Battery	1
Canister Vacuums	5	N/A	2yr Switches 3yr or 800hrs (whichever comes first) on the motor 3yr Electrical Parts	1
Backpack Vacuums	5	N/A	2yr Switches 3yr or 700hrs (whichever comes first) on the motor 3yr Electrical Parts	2
Upright Vacuums	N/A	N/A	1yr Switches 2yr or 500hrs (whichever comes first) on the motor 1yr Electrical Parts	1
Garage Vacuums	1	10	2yr Switches 2yr or 500hrs (whichever comes first) on the motor 5yr Electrical Parts	2
Wet Dry Vacuums	10	N/A	2yr Switches 2yr or 500hrs (whichever comes first) on the motor 2yr Electrical Parts	2
Carpet Extractors and Fabric Care	10	2	1yr Switches 2yr or 700hrs (whichever comes first) on the motor 2yr Electrical Parts	1
Central Vacuums	N/A	10	2yr Switches 2yr or 800hrs (whichever comes first) on the motor 5yr Electrical Parts	2
Structural Foam Floor Machines	10	2	3yr Switches 3yr or 700hrs (whichever comes first) on the motor 3yr Electrical Parts	2

Commercial Floor Scrubber 13"/15"/17"/20"	5	3	1yr Switches 2yr or 900hrs (whichever comes first) on the motor 1yr Electrical Parts	1
Ozone Generator	N/A	1	1yr Switches 1yr or 300hrs (whichever come first) on the motor 1yr Electrical Parts	1
Steam Extractor	5	N/A	1yr Switches 2yr or 700hrs (whichever comes first) on the motor 2yr Electrical Parts	1

Warranty Coverage Information and warranty voids/exclusions

1. Vacuum(s): (Backpack, Cannister, Wide Area and Upright Vacuums) must be used with a Prolux Vacuum bag to qualify for their applicable motor warranty. If the vacuum is used bagless or with another manufacturer's vacuum bag, the warranty is 1 year. Damage or malfunction caused by negligence, abuse, neglect, unauthorized repair, or any other use not in accordance with the user guide is not covered. Damage caused by misuse (e.g., vacuuming up water or other liquids), abuse, negligent handling, failure to perform required maintenance (e.g., not cleaning the equipment, replacing filters) or damage due to mishandling in transit.
2. Subject to the Gel Battery exception and exclusion paragraph located on page 4 of this document.
3. Subject to the Gel Battery Warranty Coverage explained on page 3 of this document.
4. Steam Extractor/Steam Carpet Extractor: This warranty does not apply and is void if the pump, vacuum motor, or heater has worn motor brushes, water damage, freezing, chemical build-up, chemical damage, or evidence of abuse, neglect, or tampering. brushes. Damage or malfunction caused by negligence, abuse, neglect, unauthorized repair, or any other use not in accordance with the user guide is not covered.
5. Walk behind 14" and 18" automatic scrubbers: This warranty does not apply to normal wear, or to items whose life is dependent on their use and care such as belts, cords, switches, hoses, rubber parts, brushes, electrical motor components or adjustments.
6. Ozone Generators: Warranty does not ozone cover plates or filters.

Warranty shall commence six (6) months from the purchase date by the Prolux Cleaners distributor, or on the purchase date by the original end user. Whichever comes first.

Labor Rate

Prolux Cleaners will allow \$50.00 per hour for warranty labor work. All warranty labor charges will be paid on this basis. Any repair that requires less than fifteen minutes of labor will not be eligible for reimbursement. This labor allowance does not take into consideration troubleshooting or diagnosis time taken for the repair. All repair times are subject to the flat rate schedule enclosed in this document.

If any operation is not covered in this flat rate schedule, Prolux Cleaners will determine a labor rate when a claim is made based on actual repair times by our own service technicians.

Please note: Situations may arise that require special consideration. In these cases, to request special consideration, please contact your Prolux Cleaners warranty department or Prolux Cleaners salesperson and or rep group.

Travel Allowance

Travel allowance charges are covered for 180 days from date of purchase to the original end-user for all **battery equipment** Prolux Cleaners will pay \$50.00 per hour to a maximum of 2 hours. Travel allowance for other products is not covered under the warranty policy. It is the purchasers' responsibility to bring equipment to the dealer for warranty repair.

Repair of any components or machines by independent service stations is not allowed except by prior authorization. If unauthorized service is performed by a third party, any debts incurred are the responsibility of the distributor.

Replacement Parts

Replacement parts for machines exceeding the original warranty period are covered for ninety (90) days. Replacement parts that are considered wear items carry no warranty.

Clearance and Demo Products

Clearance and demo products are covered for the remainder of the original warranty period or six (6) months from the date of sale to the original end user, whichever is greater. This excludes gel batteries.

Warranty Parts Shipping Policy

All parts ordered for warranty replacement will be shipped standard ground service. Any requests for expedited delivery will be at the expense of the distributor.

Batteries used in Prolux Cleaners equipment are warranted by their original equipment manufacturers. All warranty claims on batteries will be referred to their original OEM by Prolux Cleaners for inspection. Under no circumstances will Prolux Cleaners or the seller be liable for any loss, damage, expense or consequential damage arising in connection with the use or inability to use these products.

If you have a defective gel battery within its respective warranty period, please follow the instructions below:

1. Contact the Prolux Cleaners warranty department with the machine information (Serial number, Date of Purchase etc.)

2. If the battery is deemed to be within the warranty period, Prolux Cleaners will arrange a date to inspect and replace (upon inspection approval) the battery with the OEM.
3. The OEM will pick-up and test/inspect the battery to determine the defect.
4. If the battery is deemed to be defective by manufacturers defect, the OEM will replace the battery with a new battery.
If the defect was caused by the user (i.e. undercharging, left in a discharged state etc.), the battery manufacturer will deliver the defective battery back to you with a report explaining why the warranty coverage was denied.

Prolux Cleaners is not responsible for labor, freight, travel, or installation charges associated with battery diagnosis or replacement when the warranty coverage is denied by the OEM.

All warranties implied above are subject to the Exceptions and Exclusions clause in this policy.

Gel Batteries:

Our warranty does not cover batteries that have suffered damage due to over or under charging or batteries that have suffered sulphation due to being left in an uncharged state for any period of time. Warranty will not be allowed under any circumstances if there has been any tampering with the vent covers. Transit or storage damage is also not covered.

Warranty coverage does not apply to parts which fail due to the following conditions:

- Improper or low voltage
 - Improper extension cord selection
 - Dirty or inefficient water supply
 - Inappropriate chemical use
 - Improper or insufficient service or maintenance
 - Used with clogged or damaged filters.
 - Used without a filter.
 - Use of a machine in excess of design duration or any conditions damaging to the normal operation of the equipment.
 - Disassembly of any components, such as motors, may result in the refusal of warranty coverage.
1. Any parts replaced under warranty are only covered for the remainder of the original warranty period.
 2. Warranty service can only be performed by authorized distributors or approved warranty repair centers.
 3. Compensation for repairs is determined by the flat rate schedule enclosed in this document.
 4. Components that have become defective through wear or abuse are not covered by this warranty.

Wear Items

Numerous items wear out under normal usage conditions. These items are not eligible for warranty coverage. These include vacuum hoses, hose cuffs, hose fittings, brushes, belts, filters, filter screens, grips, skirts, pad drivers or brushes, Clutches, Castors, Pulleys, Wheels, Tires, Light Bulbs, Gaskets, battery cables and connectors, carbon brushes, filters, fuses, drain hoses, power cords, squeegee blades, bearings, O-rings, armatures, floor tools, and vacuum bags.

This is only a partial listing of wearable items. Please contact the Prolux Cleaners warranty department for clarification of wearable items not listed in this document.

Freight Damage:

Freight damage is not covered under the Prolux Cleaners warranty policy.

Replacement Parts:

Prolux Cleaners will not honor any warranty claims for parts, labor, or travel if the replacement part was not purchased through Prolux Cleaners.

Prolux cleaners reserves the right to review or modify the above document at any time without specific written or prior notice. This warranty policy precedes all other warranty policies previously published.