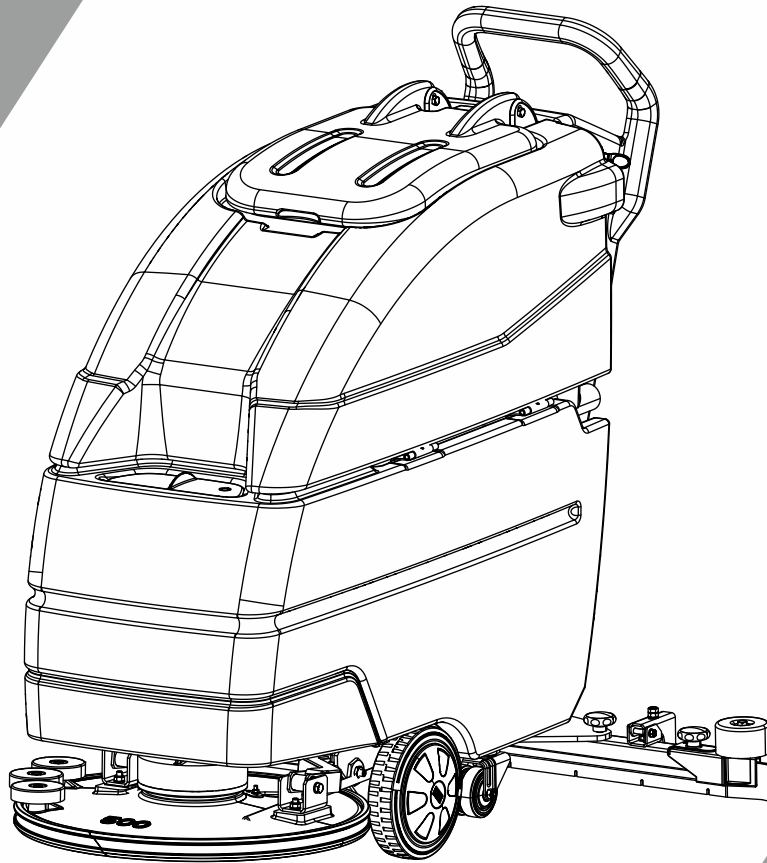
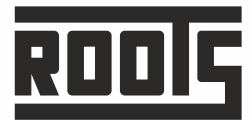


RootsScrub E Series

*Walk Behind Floor Scrubber Drier
Electric*



230V/50Hz

Owner's Manual

Read this manual completely and understand the instructions before operating the machine.
"English Version"

<u>Description</u>	<u>Page No.</u>
Introduction	4
Know Your Machine	5
Technical Specification	6
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Operation Brush	11
Operation Squeegee	13
Procedure For Scrubbing	14
Maintenance	16

Roots Multiclean Ltd (RMCL) is not liable for any legal claims that may arise as a direct or indirect result of the contents of this manual.

Roots Multiclean Ltd.
RKG Industrial Estate,
Coimbatore - 641 006,
India.

Preface

Dear Customer,

We are pleased with your having chosen the **RootsScrub E Series** machine for your floor cleaning requirements. Backed by our industry expertise that spans across decades, we assure you that the machine comes with our Roots promise of quality, efficiency and performance.

We advise you to carefully read through the instructions prior to the operation of the machine. This manual contains detailed instructions for the proper operation of the machine, along with important information regarding its handling, care, maintenance and service needs.

We are sure that you will find the machine and its performance to your utmost satisfaction. Once again, we thank you for choosing Roots Multiclean Ltd. (RMCL) as a trusted partner for your cleaning requirements and solutions.

Usage and Handling

Use of the product beyond the specified scope of functioning is deemed improper and the manufacturer cannot be held liable for any damages which may arise due to this.

This machine may be used only by persons who are trained or are familiar with the machine and are aware of the possible hazards involved. The appropriate Accident Prevention Regulations as well as applicable general regulations pertaining to Safety and Health at the work place must be adhered to by the user.

Modifications made to machine without the manufacturer's consent will relieve the manufacturer of responsibility and any possible liability for consequential damage.

Notes on Domestic Warranty

Please refer to the **Limited Warranty card supplied along with the machine** for additional information. This Warranty Policy is applicable only for the product sold within India. If the product requires repair or maintenance work to be performed, please ensure that you get the machine serviced from an authorised service center or dealer of RMCL to ensure that the warranty is not void.

Acceptance of the Machine

On arrival of the machine at the shipping address, please check for any damage that may have occurred as a result of transit. In the event of any such damage, the purchaser is bound by responsibility to send a claim letter to the concerned RMCL branch/dealer with a copy of the invoice. The letter should be sent within 24 hours of receipt of the machine.

The Manual

All information contained is without obligation. RMCL particularly reserves the right to modify any equipment, technical specifications, colours, shapes, materials and the like so as to adapt them to local conditions all without previous announcement and without giving reasons. RMCL may stop manufacturing certain models without previous notice.

The Owner's Manual corresponds to the latest information available for this machine at the time it was printed. Minor deviations resulting from enhancements of the design cannot be entirely represented.

The Owner's Manual is an integral part of the machine and must not be misplaced.

Roots reserves the right to change the product or contents of this manual without prior information.

For Battery, Motors, Engines and other OEM components related kindly refer to their manufacturers manual supplied along with the machine for instructions regarding usage, maintenance and service.

Please note down the serial number of your machine below:

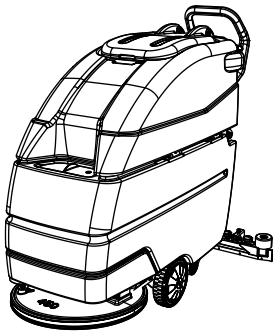
Serial number:

Date of commissioning:

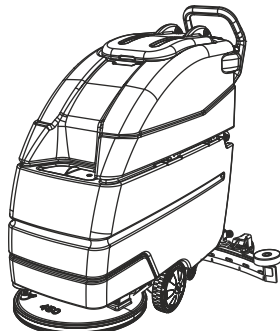
Note:

- We have specified the Model Type/No. in some contents/instructions.
- If Model Type/No. has not been specified, the instruction will be applicable to all models.

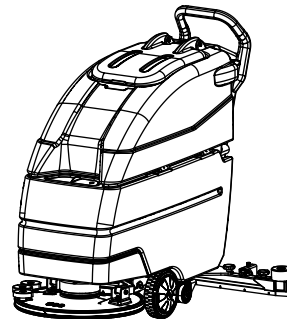
E 45 Series



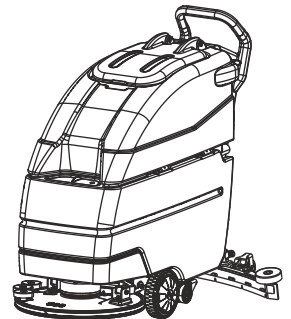
E 4545
Disc Type with
Straight Squeegee



E 4545
Disc Type with
Parabolic Squeegee &
Solenoid Valve



E 4550
Disc Type with
Straight Squeegee



E 4550
Disc Type with
Parabolic Squeegee &
Solenoid Valve

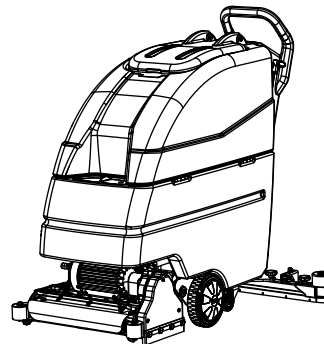
E 6050 Series



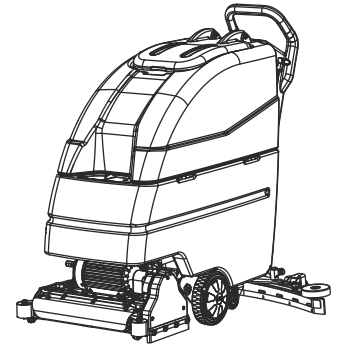
E 6050
Disc Type with
Straight Squeegee



E 6050
Disc Type with
Parabolic Squeegee &
Solenoid Valve

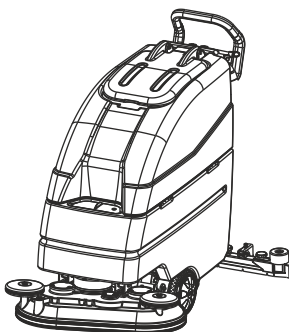


E 6050 C
Cylindrical Type with
Straight Squeegee

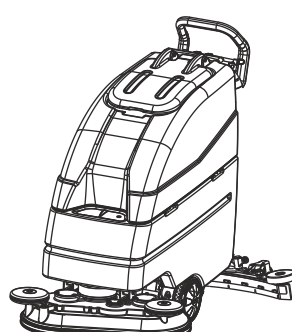


E 6050 C
Cylindrical Type with
Parabolic Squeegee &
Solenoid Valve

E 6060 Series



E 6060
Twin Disc Type with
Straight Squeegee

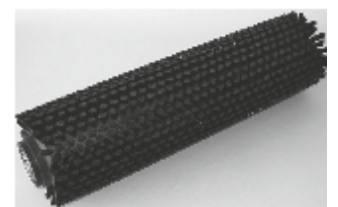


E 6060
Twin Disc Type with
Parabolic Squeegee &
Solenoid Valve

Type of Brush



Disc type



Cylindrical type

E 45 Series





Description	Units	E4545	E4550
Scrubbing width	mm	450	500
Effective suction width	mm	750	850/750
Theoretical area coverage	m ² /h	1800	2000
Working speed, up to	km/h	4	4
Airflow rate	L/sec	28	28
Vacuum Pressure	mm of H ₂ O	1087	1087
Power supply	V/Hz	230/50	230/50
Total power	W	1400	1400
Brush motor	W	800	800
Vacuum motor power	W	400	400
No. of brushes	No.	1	1
Diameter of brush	mm	450	500
Brush speed	rpm	180	180
Brush load	kg	25	26
Fresh water tank	L	45	45
Dirty water tank	L	45	45
Dimensions (L x W x H)	mm	1320 x 500 x 1130	1360 x 545 x 1140
Total weight empty	kg	90	92
Total weight ready to operate	kg	135	138

E 60 Series

Description	Units	E6050	E6050C	E6060
Scrubbing width	mm	500	500	600
Effective suction width	mm	850/750	850/750	850/750
Theoretical area coverage	m ² /h	2000	2000	2400
Working speed, up to	km/h	4	4	4
Airflow rate	L/sec	28	28	28
Vacuum Pressure	mm of H ₂ O	1087	1087	1087
Power supply	V/Hz	230/50	230/50	230/50
Total power	W	1400	1000	1400
Brush motor	W	800	800	800
Vacuum motor power	W	400	400	400
No. of brushes	No.	1	2	2
Diameter of brush	mm	500	100	330
Brush speed	rpm	180	650	180
Brush load	kg	26	28	30
Fresh water tank	L	60	60	60
Dirty water tank	L	60	60	60
Dimensions (L x W x H)	mm	1350 x 550 x 1120	1325 x 620 x 1120	1400 x 725 x 1120
Total weight empty	kg	100	100	110
Total weight ready to operate	kg	160	160	170

Safety & Warning Symbols

All paragraphs in this manual referring to you personal safety, the safety of your machine and the environment protection are attributed one of the following warning symbols.

Symbol (Hazardous for)	Description
Safety Provisions (persons and goods) 	Safety provisions in dangerous situation caused by misuse inaccurate adherence of instruction or prescribed work routine.
Caution (the machine) 	Important information on handling the machine in order to maintain operability.
Ecological hazard (the environment) 	Due to use of substances representing an inherent danger to health of environment.
Read Manual 	Prior to first operation, read the manual carefully and strictly comply with the instructions contained.

General Guidelines

- In addition to the information contained in this manual, generally applicable legal provisions for Safety and Prevention of accidents must be adhered to.
- Please go through the manual and the instructions contained herein carefully, even if you possess prior experience in operating similar ground cleaning equipment.
- Schedule some time for the careful and thorough perusal of the manual contents.
- The responsibility of all persons in the working area fall upon the operator of the machine.
- No persons, children included, should be allowed within the zone of danger.
- The warning and instruction plates attached to the machine carry important advice on safe operation of the machine.
- Lost or illegible stickers must be replaced at the earliest.
- Prior to operation of the machine, the operator must ensure that the machine and its working implements are in proper and safe operating condition.
- Machines with identified and known defects must not be used.

- It is important that operators and all persons likely to use the machine familiarize themselves with all accessories and controls, as well as their functions, before commencing operation.
- Adherence to the above general instructions will help avoid the operator from having to read the manual while operating the machine.

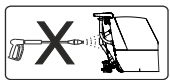
Safety during machine operation

- The machine is applicable for **WET** scrubbing only.
- Ground cleaning machines may be run by qualified personnel only.
- The machine may be used for cleaning such surfaces approved by the owner or this authorized representatives.
- The machine is only suitable for use on the types of surfaces specified in the owner's manual.
- Protect the machine from frost or extremely low temperatures.
- Never vacuum up explosive liquids, combustible/explosive dusts as well as acids and solvents! This includes diesel, petrol, kerosene, paints, paint thinners, heating oil, etc which can generate explosive fumes on contact with the suction air. Acetone, undiluted acids and aggressive solvents must not vacuumed as may cause damage to the machine components and brooms.
- Do not scrub/vacuum burning or glowing debris.
- Do not scrub/vacuum in flooded and slushy areas.
- This machine must not be operated by persons (including children) with limited physical ability, sensoric/mental capabilities or lack of experience, unless such persons are supervised by the person in charge.
- Children should be prevented from playing with the machine.
- The operator must use the machine properly. The operator must consider the local conditions and must pay attention to third parties especially children when operating the machine.
- Never leave the machine unattended when the motor is running.
- The operator must leave the machine only after the motor has come to a complete standstill.
- Prior to starting work, the operator has to check the machine's safety devices are working properly.
- The operator must wear tight fitting clothes only. The operator should wear safety shoes only when operating or while carrying out maintenance work.
- Loose fitting clothes or shoes must not be worn by the operator or any maintenance personnel who are intended to work on/with the machine.

- Check the immediate surrounding prior to starting. Ensure sufficient visibility!
- The operator must always use safety gloves, safety helmet, shoes while operating/maintaining the machine.
- On inclined/tilted surfaces, the tilt angle and the driving direction should not exceed the values given in this manual.
- Smoking or naked flames are strictly prohibited.
- Always allow the machine sufficient time to cool before carrying out any repair or maintenance work.
- Ensure that there is adequate ventilation for diverting the exhaust gases/dust when operating the machine in a closed area.
- Do not place hand or any object while the brushes are running.
- Suitable tools must be used for cleaning and maintenance work.
- Do not carry out any welding, drilling, sawing or grinding work on the frame sections. Damaged parts may only be changed at an authorized service center.
- It is not permitted to use aggressive and corrosive cleaning agents.
- Maintenance work may be carried out by authorised dealer only.
- Always use appropriate tool and equipments while working on the machine.
- The cable must not chafe against anything. In the case of defective insulation, do not use the on-board charger.
- Do not use harsh chemicals to clean the machine.



This machine is not suitable for evacuation of dusts, which are explosive or dangerous to health.



Do not clean the machine by means of vapour jet or high pressure cleaning equipment.

- Before operating the machine kindly use these safety devices:

- a) Shoes
- b) Gloves

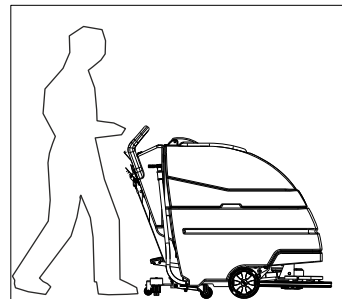


- Do not smoke near machine.
- Do not expose machine to naked flames or burning debris.

Handling of line cords

- Make sure that the line cords are not damaged by running over, squeezing, dragging, etc.
- The line cords must be checked regularly with regard to damage and aging.
- The machine must not be used unless the line cords are in proper condition.
- Use only original extension cables, with maximum admissible length of 25 m.
- When using or replacing line cords, it is necessary to adhere to as specified by the manufacturer.
- When replacing coupler plugs of line cords or connecting leads, splash-proof protection and mechanical strength must be guaranteed.

Transport



For easy transportation of machine, it is recommended to lift up the brush head and squeegee as represented, prior to transportation of the machine.

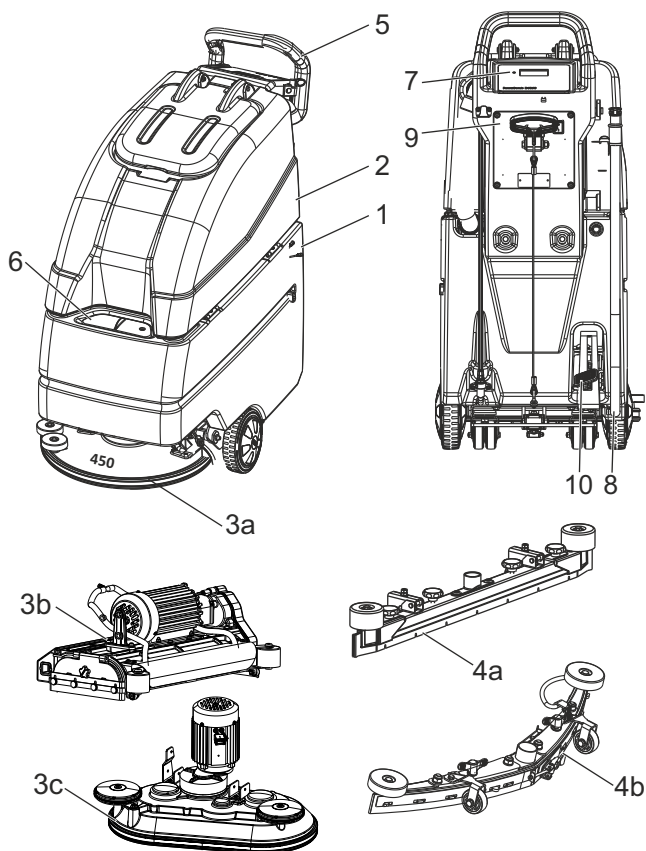
After Unpacking

Verify the machine and accessories with the invoice copy. Check the machine for any transit damage, if found contact the branch/dealer immediately.



Owner's personnel are not allowed to unpack the machine.

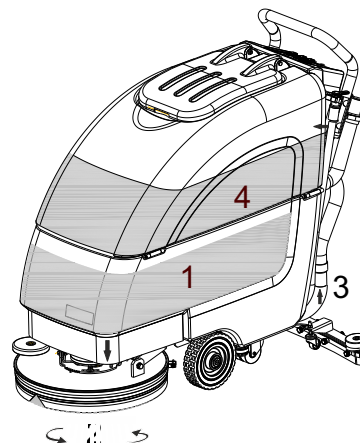
Identification of main parts



1. Fresh water tank
2. Dirty water tank
3. Brush head
 - a) Disc type
 - b) Cylindrical type
 - c) Twin Disc type
4. Squeegee
 - a) Straight
 - b) Parabolic
5. Handle
6. Fresh water fill port
7. Control panel
8. Fresh water level indicator
9. Squeegee control handle
10. Pedal for lift/lower brush head

Principle of Operation

Asqueegee and suitable brushes or pads are required for wet cleaning of hard floorings. The rotating brush scrubs the floor thoroughly, removing dirt through suds, thereby cleaning the floor. The dirty water is drawn during the same cycle through the squeegee. Thus, the floor can be walked on immediately after it is dry and clean.



Useful Tips:

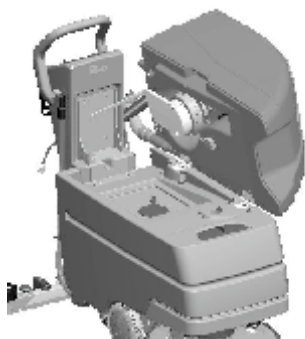
- Prior to wet cleaning, it is necessary to sweep the floor.
- This way, not only is the cleaning efficiency improved, but wear of the brush is also substantially reduced.
- If floors are particularly dirty or if wax has to be removed (basic cleaning); the floor must be treated twice.
- During the first cycle, the floor is scrubbed with the cleaning agent selected according to the degree of dirt encountered, the squeegee remaining lifted.
- Allow the cleaning agent to act on the floor for approx. 5 or 10 minutes, complying with the manufacturer's instructions.
- Scrub the floor once again while the squeegee is lowered.
- Too much foam indicates excessive dosage or improper suitability of detergent for the existing kind of dirt.
- Detergent particles contained in the soiled water that are not used will cause formation of foam.
- Instructions for dosage are given on the detergent tank and must ideally adhere to manufacturer's recommendations.
- The ideal type of detergent and the perfect dosage applicable to it will come through sustained use of the machine.



Comply with instructions for correct dosage of detergent. Correct dosage will help optimize costs and also minimize impact on the environment. Too much foam can affect the performance of the machine.

Before Operation:

1. Tilt the body of the machine to gain access to the inside of the fresh tank, the tank will stay in its position with a help of a rope assy.



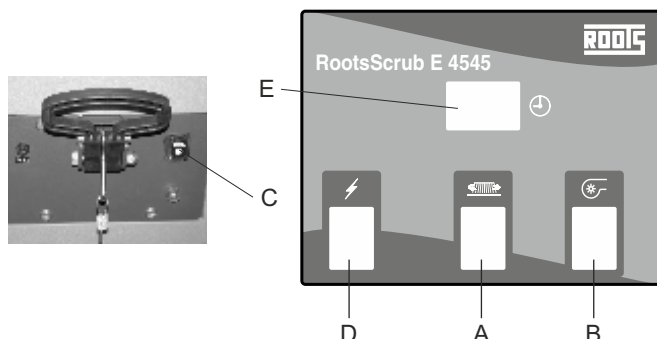
- Care should be taken while closing the tank.
- Do not drop hardly, which might cause possible damage to equipment and cause personal injury.

2. The brush motor is fastened to the connecting arm for upward and downward movement of brush head and this can be controlled by the pedal. In order to prevent unwanted swinging movement during transport, stopper pin in the connecting arm hits the bolt of the brush head to retain its stability.

Operating & Indicator Elements:

Controls - E4545, E4550 & E6050

Brush Motor, Suction Turbine, Brush Release Switch and Indicator Lamp.



A. ON/OFF Switch for Brush Motor

- Is on when "A" is at position "I"
- Is off when "A" is at position "0"



B. ON/OFF Switch for Suction Turbine

- Is on when "B" is at position "I"
- Is off when "B" is at position "0"

C. Switch for Brush Release



Will release the brush when pressed.
Ensure the switch A is at position "0"

D. Indicator Lamp

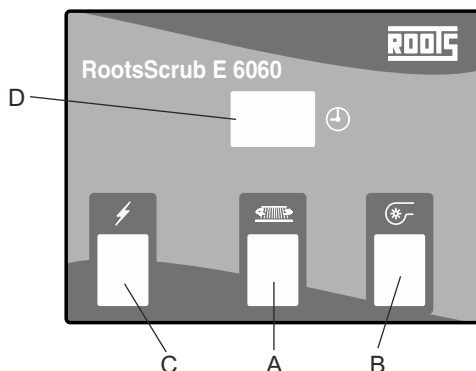
- Glows when power is on.

E. Hour Meter

- To show the total working of the machine in hours.

Controls - E6050C & E6060

Brush Motor, Suction Turbine, and Indicator Lamp.



A. ON/OFF Switch for Brush Motor

- Is on when "A" is at position "I"
- Is off when "A" is at position "O"



B. ON/OFF Switch for Suction Turbine

- Is on when "B" is at position "I"
- Is off when "B" is at position "O"

C. Indicator Lamp

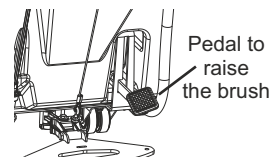
- Glows when power is on.

D. Hour Meter

- To show the total working of the machine in hours.

Brush Lifting

- Pedal is used to lift and lower the brush.
- For lowering, first press the pedal a little to outside (unlock) and then allow it to move slowly upwards.
- For lifting, press the pedal slowly downwards and make it lock.



Brushes / Pads

The machine must be equipped with brushes from the accessories kit, as required by the degree of dirtiness and kind of ground.

Disc Type Brush

Installation of brush

- The tank should be empty.
- Lift the squeegee.
- Place the brush in front of the machine.
- Raise the brush head.
- Move the brush to center of the brush head.
- Lower the brush head so that the catch is centered in the brush.
- Turn on switch "A" for a short time in order to allow locking.



When lowering the machine pay attention to prevent the pedal for lifting of the brush head from being pressed down.



The brush must snap in immediately. A rattling noise indicates that the brush head is not correctly centered. Turn off switch "A", correct position of brush head and turn on switch "C" for locking. Now the brush is locked. Repeat locking operation.

Removal of brush

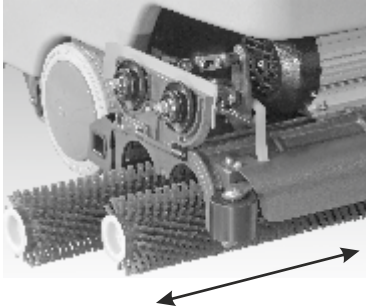
- Empty the tanks.
- Lift the squeegee and the brush head.
- Turn on switch "C" for unlocking of brush.
- Raise the brush head and move machine backwards.
- Brush is now lying in front of the machine.



Cylindrical Type Brush

Installation of brush

- Remove screw of the brush cover.
- Fasten supplied brushes at the drive rollers at the inside of the opposite cover.
- Close brush cover such that the guiding rollers and the brushes catch safely.



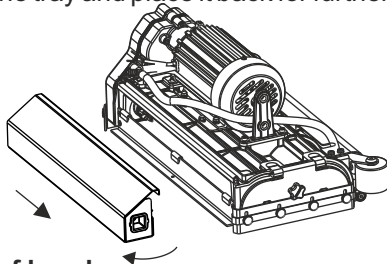
When mounting, check the safe catching of rollers and brushes.



Before cleaning or maintaining the machine as well as before replacing parts of it, turn the machine off and disconnect the plug.

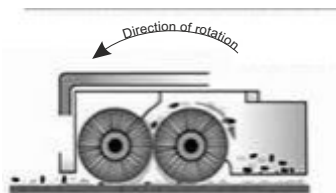
Debris Cleaning

- Tilt the debris tray towards machine side and pull it out.
- Now empty the tray by inverting it and shaking.
- Clean the tray and place it back for further cleaning.



Removal of brush

- Raise the brush head and set to its parking position. Remove the screw at the idler end, open the cover and pull the brushes towards the user.
- Close the cover and retighten the screw.



When inserting the brushes for the next operation, make sure to change position of the brush such that one-sided brush wearing is precluded.

Twin Disc Type Brush

Installation of brush

- The tank should be empty.
- Raise the brush head.
- Hold the brush in hand - press while rotating the brush onto the catch till a click sound.

Removal of brush

- Empty the tanks.
- Lift the squeegee and the brush head.
- Rotate the brush with a sudden jerk to remove them.



The squeegee bracket group fixed to the machine, allowing swiveling and the oscillating movements. The squeegee, protruding at the side, evades obstacles in the machines path and is made swivel backwards.

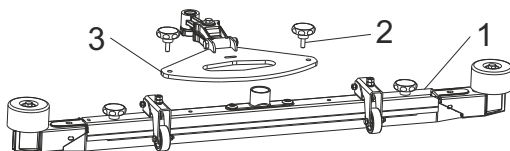


Before starting to work, check the squeegee for possible collection of foreign matter and for proper condition.

Straight Squeegee

Mounting of Squeegee (first time)

- Lift squeegee bracket group (3)
- Mount squeegee (1) to squeegee bracket group (3) and screw the knobs (2) as shown in figure.
- Attach suction hose to the tubular socket of the squeegee.



1. Squeegee
2. Squeegee Knob
3. Squeegee Bracket group



The supporting wheel under the squeegee bracket group has been adjusted by the factory.

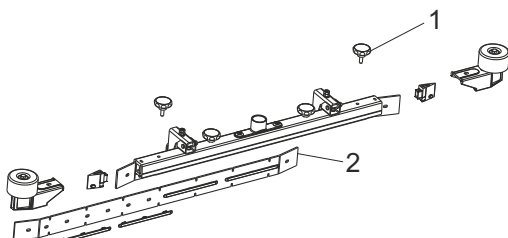
Removal of Squeegee

- Lift squeegee.
- Unscrew the squeegee nut (1).
- Remove the squeegee towards the bottom side.
- Detach suction hose from the tubular socket of the squeegee.

Replacement of Sealing Strips

The sealing strips can be removed without any need of tools, as follows:

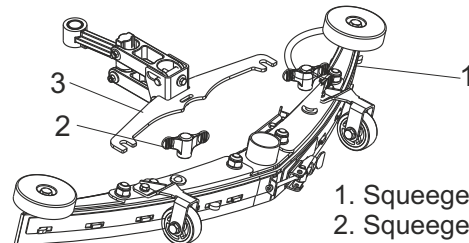
- Remove the squeegee.
- Remove the knob at the deflector area.(1)
- Pull the sealing strips (2).
- Mount the new sealing strips by inverse sequence of operation.



Parabolic Squeegee

Mounting of Squeegee (first time)

- Lift squeegee bracket group (3)
- Mount squeegee (1) to squeegee bracket group (3) and screw the knobs (2) as shown in figure.
- Attach suction hose to the tubular socket of the squeegee.



1. Squeegee
2. Squeegee Knob
3. Squeegee Bracket group



The supporting wheel under the squeegee bracket group has been adjusted by the factory.

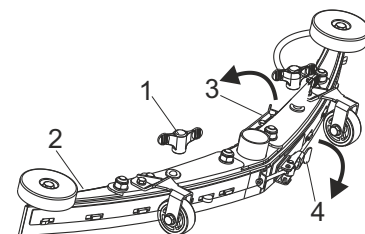
Removal of Squeegee

- Lift squeegee.
- Unscrew the squeegee knob (2).
- Remove the squeegee towards the bottom side.
- Detach suction hose from the tubular socket of the squeegee.

Replacement of Sealing Strips

The sealing strips can be removed without any need of tools, as follows:

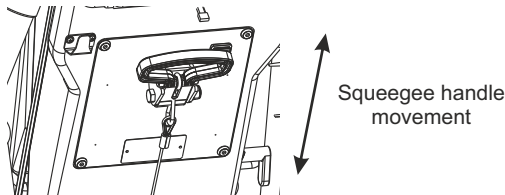
- Remove the squeegee.
- Remove the squeegee knobs.(1)
- Release the Inner(3) and Outer clamps(4).
- Pull the sealing strips (2).
- Mount the new sealing strips by inverse sequence of operation.



- If worn, the rear sealing strip can be turned at the front side edge.
- The supporting strip may modify the sealing strip effect, hard-soft, and thus be adapted to different floor conditions.

Raising / Lowering the Squeegee

- To lower the squeegee pull the handle up from the slot and lower squeegee.
- To raise the squeegee pull the handle up and place in slot provided.




PROCEDURE FOR SCRUBBING

Dirty and Fresh Water Tanks

The machine has a Dirty Water Tank and a Fresh Water Tank. The filling capacity is 45/60 liters. Please do not fill beyond that mark; water temperature must not exceed 50°C. Dirty water is fed via the suction hose into the dirty water tank.

- Do not collect any external water.
- When work is finished both the dirty and the fresh water tanks on principle must be drained and rinsed in order to preclude formation of residues.

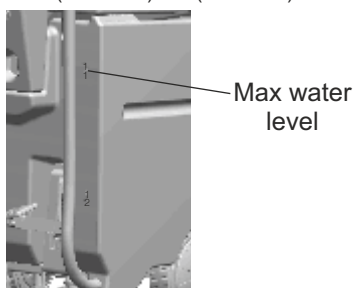


 For disposal of dirty water and lye, the legal provisions have to be compiled with. Check the in-feed filter in the tank regularly and clean it if required.

Filling of Water



- Fill fresh water and detergent as described below before start of operation.
- Fill the fresh water tank with water (50° max) as required by the work to be done through the filter which is present in front of the machine and add detergent as specified by the manufacturer.
- Filling amount : 45 (45 series)/60 (60 series) liters Max.

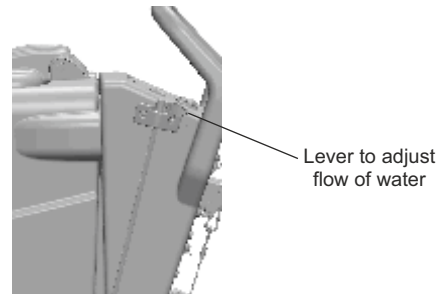


Use detergents suitable for automatic machines (low foaming) in order to preclude damages at the suction turbine. We recommend our agents for cleaning and care, which are perfectly adopted to the machine. These products fulfil the requirements of the Detergents Act.



How to operate the machine:

- Turn on Switch "A" the brush is rotating.
- To discharge the detergent, position the lever suitably to achieve the desired flow of detergent.
- Lower the brush head.
- Lower the squeegee.
- Turn on switch "B" the suction turbine is running.
- As soon as the suction turbine is switched on operate the lever to start water flow.
- The water flow can be adjusted to suite the floor.
- The water flow is maximum when the lever is in top position.
- The water flow is minimum or to stop when the lever is in bottom position.
- For E4545, E4550, E6050, E6050C & E6060 models water flow is controlled by mechanical stopper.
- For E4545 Exp, E4550 Exp, E6050 Exp, E6050C Exp & E6060 Exp models water flow is controlled by solenoid valve.



After lowering the brush move the machine immediately; otherwise the brush might leave traces on the floor. Lift the squeegee during reverse travel. When passing over dormers with a height of more than 0.7° in = 10 mm, the brush drive must be turned off and the brush must be lifted up.



- It is dangerous to pass over the power supply cable while the brush is rotating.
- Cleaning of floor areas starts from the outlet socket and is effected stripe by stripe.
- In case of unoccupied areas it will be useful to clean at first the border areas, passing with the machine along those areas in counterclockwise sense.
- Cleaning of the remaining areas then should be effected stripe by stripe, starting from the outlet socket.
- Partially occupied areas should be subdivided into

single working areas, within reach of the power supply cable.

- Within a short time, the operator will learn how to avoid unnecessary inconveniences caused by the cable.

Procedure for draining tanks

- Unclamp the drain hose from the hose clamp.
- Lower the tip of the drain hose to the floor level
- After draining the water completely, clamp the hose in the hose clamp as shown in fig.



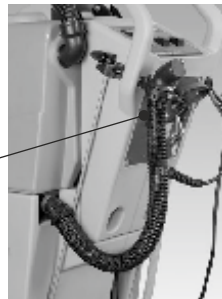
Draining of Dirty water tank

- The hose used to drain the dirty water.



When work is completed, the dirty water tank has to be drained and rinsed.

Remove the Hose from this clamp to drain the water



Draining of Fresh water tank

- The water level hose is used to drain the fresh water.



The tank requires rinsing at regular intervals.

At the end of cleaning

- Stop the machine and lift the brush head.
- Lift the squeegee.
- Drain and rinse the dirty water tank (refer to section "Dirty and Fresh Water Tanks")
- Clean the sealing strips at the squeegee.
- Check the strainer upstream of the intake opening in the fresh water tank; clean if required, as otherwise the suction efficiency will be affected.



The machine must not be cleaned by water jet or high pressure cleaning equipment, as this will endanger its proper working function.

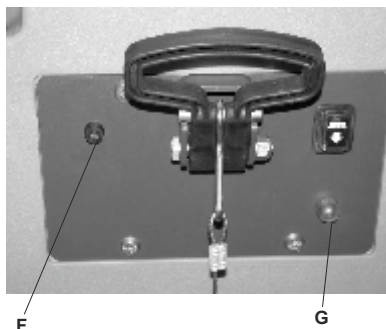
Electrical system

The electrical equipment of the machine uses a mains voltage of 230 V/50 Hz AC. Easy access to brush motor and suction turbine is possible after the upper part of the unit has been tilted to upside.

The suction turbine has been provided with a fuse (F) having a rating of T4A. It must be replaced by a fuse of same rating (T stands for Time -lag).

The brush motor is protected by a circuit breaker (G) which requires to be manually reset incase of tripping. When brush motor trips identify the cause and correct it before trying to run the machine.

The protector can be reset by pressing transparent dome on the electrical box cover. Please allow approximately 30 seconds before resetting.



- If there should be repeated cases of failure, look for the reason.
- Any work at the electrical system has to be carried out by specialized electricians only.

Maintenance Work

Compliance with our recommendations concerning maintenance work will give you the certitude always having a machine at your disposal, which is ready to work and in good operating condition.

Please contact your local Roots Multiclean distributor; the people there will be glad to perform that work for you. There well trained personnel and genuine Roots spare parts are at your disposal.

- Well trained personnel and genuine Roots spare parts are at your disposal.
- In case of any inquiries or orders for spare parts, please always quote the machine's serial number mentioned on the nameplate.
- The name plate is fixed in the rear side of the machine.
- When cleaning or servicing the machine, and when replacing any parts, shut off the machine and on

principle disconnect the power plug from the power supply.

- For reasons of safety during cleaning and/or maintenance work in or on the tank, the tank lid - when lifted - must be secured so as to prevent accidental closing or tilting down.
- The machine may be taken into operation only if all guarding devices are fitted and in protective position. As far as possible, cleaning should not be done by hand, but using appropriate tools or equipment.
- Maintenance and repair work may be carried out only by means of suitable tools and by the people trained in the factory. For reasons of safety, only genuine Roots spare parts may be used.

Maintenance Schedule

Maintenance Work	Service Hours Every			
	Daily	50	100	200
Check connection - extension cables and plugs for good condition; discard defective cables immediately	●			
Empty and clean the dirty water tank	●			
Check the sealing strips of squeegee for good condition	●			
Check the squeegee for possibly collected foreign matter and clean it, if required	●			
Check the float for proper operation	●			
Check the suction hose between squeegee and soiled water tank		●	●	●
Check the caps of both fresh and dirty water drain hose; check them for smooth operation		●	●	●
Check the squeegee sealing strips for wear; renew them if required		●	●	●
Check the brush for tight fit and wear; renew them if required		●	●	●
Check the tank lid seal; renew if it is required			●	●
Check the fresh water infeed to the brush		●	●	●
Remove carbon dust from the suction motor, check the carbon brush for smooth operation and wear; renew as required				●

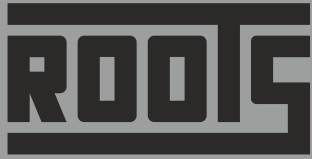
DO'S & DON'T'S

Do's

- Prior to cleaning, sweep the floor before using the machine.
- Use the machine in even surface.
- Use only Non foaming chemical for cleaning.
- Always check the condition of mains cable.
- Inspect the condition of float filter for any deposit of dirt.
- Readjust the squeegee wheel for proper suction.
- Dirty water to be drained if it reaches the cut-off stage.
- After usage, fresh & dirty water has to be drained.
- After usage of machine, squeegee lips, float assembly and dirty water tank to be cleaned with fresh water.
- During transport brush head & squeegee assembly should be in lifted position.

Don't's

- Don't use inflammable liquids (thinner / kerosene) in fresh water tank for cleaning operation.
- During cleaning don't run the machine on the mains cable.
- After usage during cleaning the machine don't allow water on the panel board.
- Don't clean the machine with high water pressure jet equipments.
- Don't use the machine unless the main cable is in proper condition.



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