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TECHNICAL SPECIFICATION

Technical data	Units	Value
Scrubbing width	mm	315
Theoretical area performance	m ² /h	350
Battery rating	V	24
Run time	minutes	50
Total power	W	300
Brush Speed	rpm	400
Fresh water tank	L	4
Dirty water tank	L	2
Length	mm	378
Width	mm	440
Height (without / with handle)	mm	210 / 1114
Weight	kg	25

Please be advised explicitly that we cannot accept any legal claims out of the contents of this manual. If repair work has to be performed, make sure that only genuine spare parts are used since genuine spare parts only may guarantee continuous and dependable operation of your machine.

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

Preface

Dear Customer,

Thank you for choosing to become the proud owner of **Wizzard Battery**. Having been in the market for close to four decades now, we are sure that you will be happy about your decision. We also assure you that our services and attention will always be available, should you need them!

Before the first operation of your machine, please read these instructions carefully. This manual will provide you with detailed instructions on the operation of the product and also give you valuable information on operation, service and maintenance.

This machine is an ideal machine to clean floors in large and medium spaces like Offices, Hospitals, Restaurants, Shopping Complexes and other such commercial applications.

Proper Use

This machine has been exclusively designed for floor cleaning the hard floors in small & medium areas. Use of the product beyond the specified range is deemed improper and the manufacturer cannot be held liable for consequential damages.

The terms of proper use also includes compliance with the manufacturer's instructions on the operation, maintenance and repair of the product.

This machine may be used, serviced and repaired only by persons who are familiar with the machine and are aware of possible hazards involved. The appropriate Accident Prevention Regulations as well as applicable general regulations about safety and health at work must be complied with.

Modifications made to machine in the absence of the manufacturer's consent will relieve the manufacturer from possible liability for consequential damage.



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

Notes on Warranty

Refer Limited Warranty at the rear section of this manual for more information.

Acceptance of the machine





As soon as the machine arrives, Please check for any transport damage. In the event of any damage, it is the purchaser's responsibility to send a claim letter to the particular RMCL Branch / Dealer with a copy of invoice. The letter should be sent within 24 hours after the goods were delivered.

GENERAL SAFETY INSTRUCTION



Safety & Warning Symbols

All paragraphs in this manual referring to your 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.

Safety Instructions

- Apart from information contained in this manual, generally applicable legal provisions for safety and prevention of accidents must be adhered to.
- Do not put this manual aside without having read it, even if you have already operated similar ground cleaning equipment before.
- Allow yourself the time to do so in order to save time at a later time.
- The operator is responsible for all persons in the working area.
- Children must be kept away from the machine during operation.
- No person must be allowed to stay in the zone of danger.
- The warning and instruction plates attached to machine give important advice on safe operation.
- Replace lost or illegible stickers.
- Before starting to work, the operator has to check that the machine and its working implements are in proper and safe operating condition.
- Machines with known defects must not be used.
- It is important for operators and all persons likely to use the product, to familiarize themselves with all accessories and controls, as well as their functions, before starting operations.
- Abiding by the above general instructions can help

you avoid having to read this book while trying to run the machine.


- This machine must only be used for the manufacturer's approved application as described in this manual.
- The machine must be kept clean and in good condition with regular inspections of the battery charging lead and plug for signs of any damage. If any parts are damaged they shall only be replaced by an approved part by the manufacturer, its service agent or a similar qualified person in order to avoid a hazard.
- Only genuine accessories and spare parts provided with the machine or those approved by the manufacturer should be used. All repairs must be performed by a qualified service agent.


Safety during machine operation


- 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 representative.
- The operator must use the machine in accordance to its intended fields of application.
- During operation, the operator must take account of local conditions (stairs, obstacles) and of other persons, particularly children.
- This machine is for dry indoor use only and should not be used or stored outdoors in wet conditions.
- Do not operate the machine when connected to the mains electrical supply.
- Take care when using a machine near the top of stairs to avoid overbalancing.
- Keep hair, loose clothing, hands, feet and all other parts of the body away from openings and moving parts.
- This machine should always be connected to a fully earth power supply of the right voltage and frequency.
- When unplugging, pull the plug, not the charger supply cord.
- Unless charging, the plug of the charger supply cord must be removed from the socket-outlet when not in use and before commencing cleaning of the machine or undertaking maintenance operations.
- When working on the electrical system, always disconnect the battery cable.
- Battery may only be handled and changed by properly skilled maintenance personnel.
- Pay attention that the insulation of the charger cable is not damaged and cannot be damaged during the charging process.
- It is not permitted to use aggressive and corrosive cleaning agents.
- Never lay any metallic objects or tools on batteries. Risk of short circuit and deflagration!


GENERAL SAFETY INSTRUCTION




 Unless you are charging the machine; always remove the plug from the socket outlet. Keep the charger supply cord clear of moving parts.

 Use only genuine spare brushes as specified by the manufacturer. Use of other than the indicated brush types may affect safety.

 Never collect explosive fluids, undiluted acids and solvents. This includes e.g. gasoline paint thinners or fuel oil, which when combined with air, may form explosive vapors or mixtures. Acetone, undiluted acids and solvents can be aggressive to the material used for the machine components.

 The machine may be used only on indoor hard floorings and for operation on level grounds with a maximum inclination of up to 2%.

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

- Use of the machine in areas prone to explosion hazards is strictly forbidden.

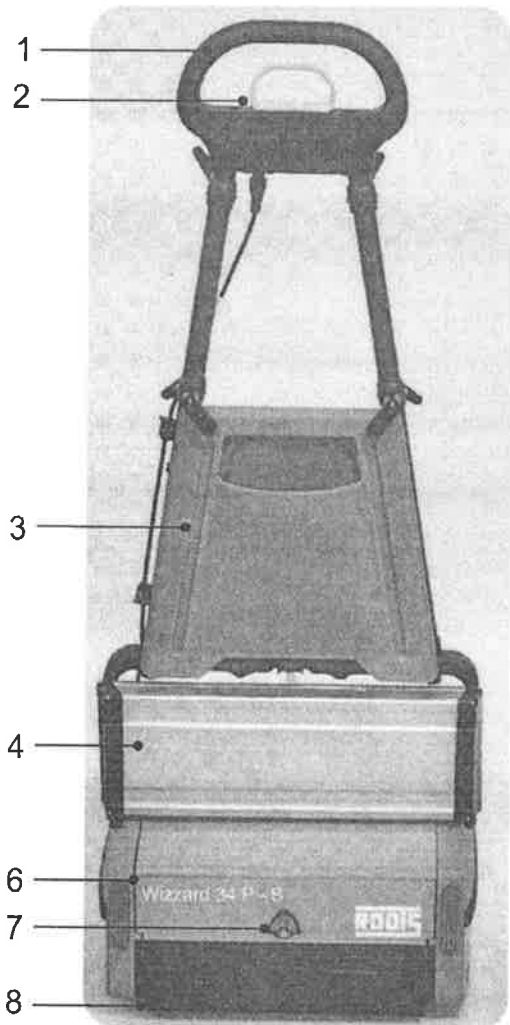
Transport

Incorrect lifting techniques may result in personal injury. We advise that the manual handling regulations are followed. Carefully wrap the charger supply cord and store in dry indoor location. Do not expose the machine to rain or moisture.

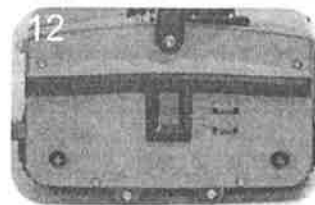
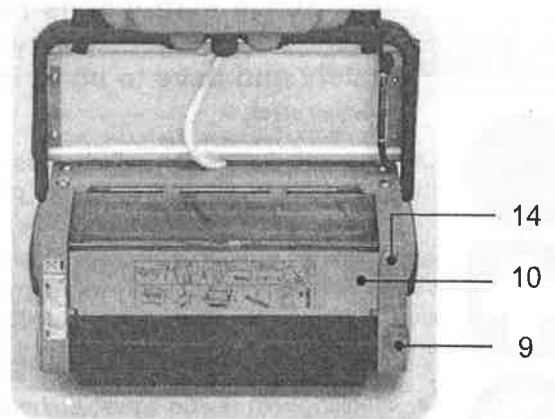
KNOW YOUR MACHINE



Front View

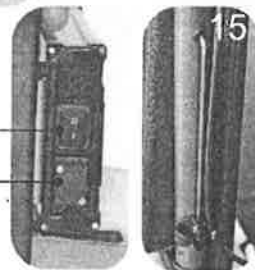
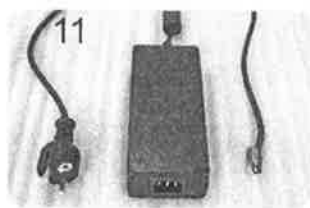


Rear View



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ROOTS MULTICLEAN LTD COIMBATORE, INDIA		
Model No Serial No Volts Watts Series	W34P/DC 24- 300 C	



- 1. Top Handle
- 2. Pump On - Off Control handle
- 3. Tank Fresh Water
- 4. Battery Pack
- 5. Battery Switch
- 6. Pump Housing
- 7. Nozzle
- 8. Brush
- 9. Pedal
- 10. Dirty Water Tank
- 11. Charger Adapter
- 12. Mode Selector
- 13. Brush Pressure adjustment
- 14. Status LED
- 15. Allen Key
- 16. Charging Socket
- 17. Nameplate

BATTERY INSTRUCTIONS



Warning Symbols



The above instructions have been established for your safety and have to be strictly observed.



Observe the instruction which must be mounted clearly at the charging point!



Any splashes of acid in the eyes or on the skin must be rinsed thoroughly with plenty of clear pure water. Then consult a doctor immediately!



No Smoking! No naked lights, embers or sparks in the vicinity, risk of fire and explosion!



Risk of fire explosion, avoid short circuits! **Caution!** Metal components in the battery cells are always under voltage, never place any foreign items or tools on the battery!



Keep children away from batteries



Do not throw in garbage!

Waste Electrical & Electronic Equipment (WEEE)



Do not dispose of this device with unsorted waste. Improper disposal may be harmful to the environment and human health. Please refer to your local waste authority for information on return and collection systems in your area.

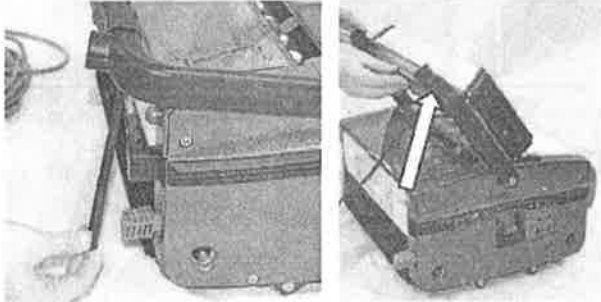
Battery Status LED

Machine Operation	
LED Status	Discharging
Green	Fully charged
Amber	Battery approaching low charge
Amber Flashing	Battery approaching cut off limit
Red	Low charge / cut off
	Motor temperature exceeds limits
Red Flashing	Battery cut off limit reached

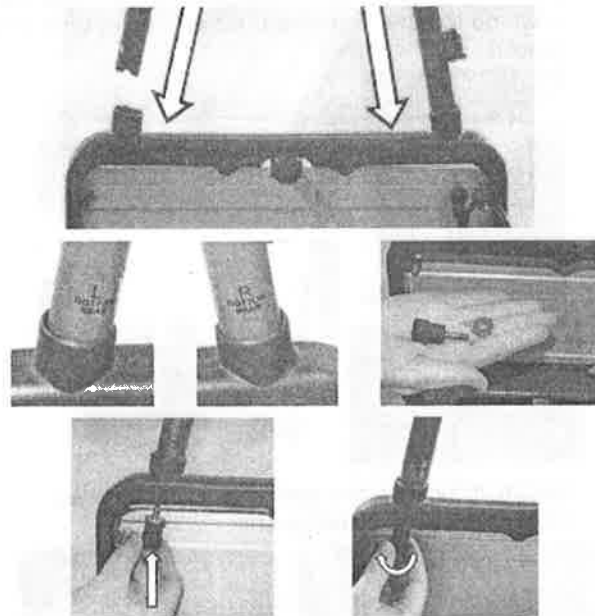
MACHINE OPERATION



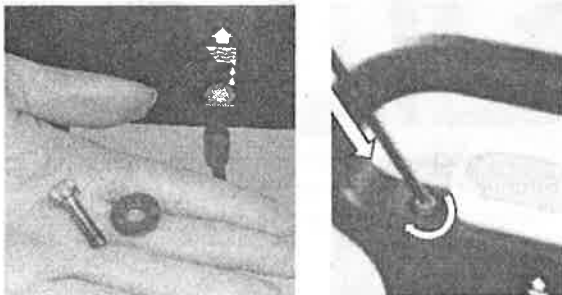
MACHINE ASSEMBLY



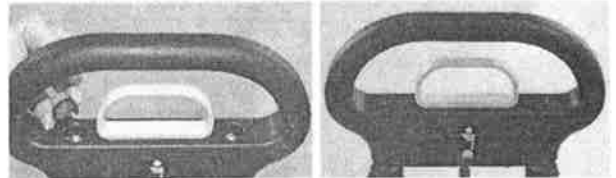
- Remove the retaining spring and place the battery in upright position.



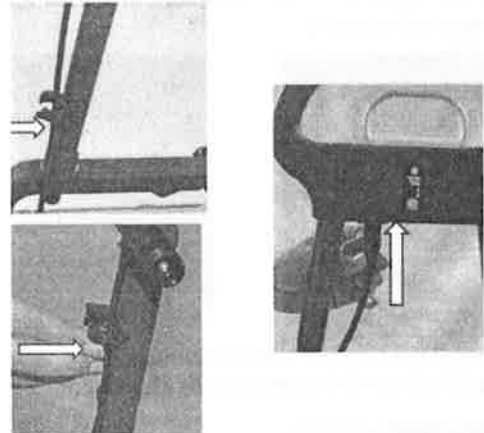
- Insert the two pipe handles into the bottom handle and secure them using washer and knob (2 Nos) by tightening lightly. Ensure that the handles are assembled according to their marked position and the cable holding hooks are pointing towards the rear.



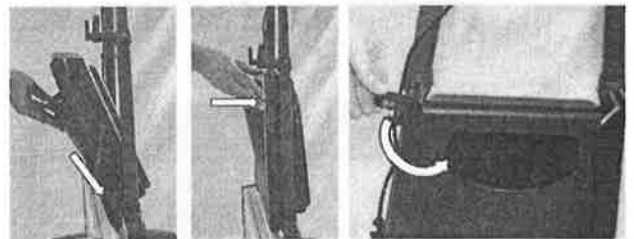
- Fit the top handle over the pipe handles and secure them with washer and screw (2 Nos). Ensure that the label on the top handle is facing the front of the machine.



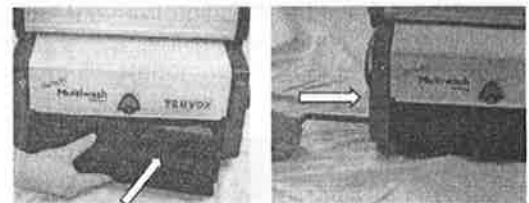
- Now tighten firmly both the knobs and screws alternately. Insert the dummy caps provided to cover the screws (2 nos) in the top handle.



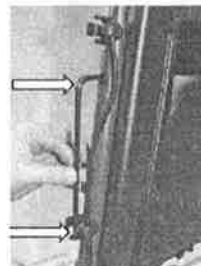
- Pass the free end of the pull cable through the plastic guide in RH Handle.
- Plug the cable to the Top handle assembly.



- Fix the fresh tank in between the two pipe handles and secure it using knobs.



- Fix the two brushes using the two brush shafts.



- Secure the allen key in the slot provided in the handle tube for further usage.

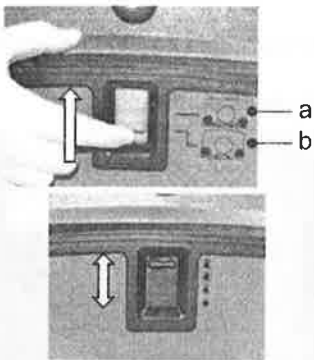
MACHINE OPERATION



- Set the switch in ON position and connect the charger with battery.



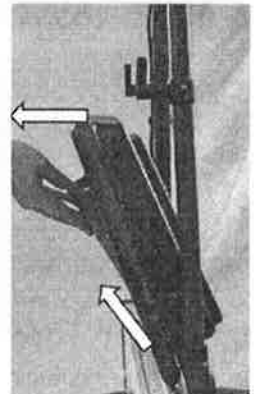
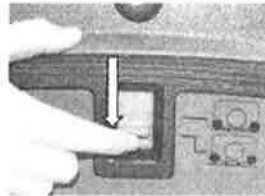
- Connect the charger to the power supply.
- After 5 ½ hours the battery is fully charged.



- Slide this knob to TOP position(a) (Working Mode) to operate the machine. Slide this knob to BOTTOM position(b) to move the machine from one place to other place and to park the machine. By keeping the knob to top position (working mode) and move the machine to operate.



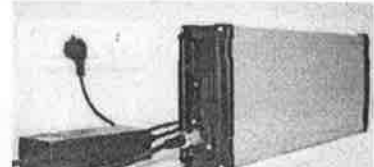
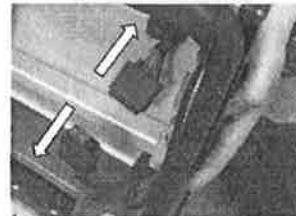
- The pull handle is used to spray the water in front of the machine.



- Slide this knob to BOTTOM position to move the machine to park. Remove the fresh water tank and clean it.



- Switch off the machine and remove the brushes.
- Clean the machine and brushes.



- Disconnect the battery with the machine and remove it from the machine.
- The battery can be charged separately.

TROUBLESHOOTING



Trouble	Display	Reason	Remedy
Machine fails to start - no power	No LED Display	Transport working knob is in bottom position	Change to operating position
		Main switch is on Off position	Switch on the Main switch
		30 A fuse blown	Replace fuse and check
		Handle switch, tilt switch are opened/faulty	Check switches
Brushes not rotating	LED blinks in RED	Battery low voltage	Charge the battery
		Motor overheated	Wait for 20 minuted and restart
Machine fails to pick up water from the floor	NA	Worn brushes	Replace brush, lip, lugs or springs
		Damaged lip on recovery tank	
		Broken lugs on recovery tank	
		Drum not revolving	Fit bridge in correct way
Bridge fitted wrong way on machine or springs broken			
Machine fails to spray solution onto the floor	NA	Blocked jet	Clean jet or inline filter
		Blocked inline filter	
		Faulty pump	
		Blocked filter or faulty vave in solution tank	
		Faulty pump micro switch	
		Damaged or broken pump On/Off cord	Check cord
Drum not turning	NA	Plastic gear inside rim of drum sheared	Clean drum and bearings and remove dirt and build up
		Drum sprocket bearing seized	
		Build up of dirty hair etc. around bridge springs	
		Plastic gears ingearbox stripped	
		Drum rubber sleeve loose on drum	

Do's & Don't's

Do's

- Take adequate care to hold the machine firmly while installing and removing the brush.
- Ensure all parts are fitted properly before operation.
- Take care when using a machine near the top of stairs to avoid overbalancing.
- Keep children and unauthorized persons away from the machine when in use.
- The batteries must be neutralized through an approved secondary treatment facility prior to disposal as waste.

Don't's

- Don't use where hazardous dust is present.
- Don't use in an explosive atmosphere.
- Don't pick up or use near flammable or combustible fluids, hazardous dusts or vapours.
- Don't use to clean up any burning or lighted

- materials such as cigarettes, matches, ashes or other combustible objects.
- Don't put any object into openings.
- Don't use with any opening blocked; keep free of dust, debris and anything that may reduce airflow.
- Don't operate the machine when connected to the mains electrical supply.
- Don't charge the machine with a damaged battery charging lead or plug, or after the machine malfunctions or is damaged in any way. Contact an authorised Service Agent for repair or adjustment.
- **Don't leave machine running unattended.**
- Don't operate switches or touch the mains plug with wet hands as this may cause electric shock.
- Don't pull or carry by the charger supply cord.
- Never use excessive foaming or highly corrosive cleaning solutions.
- **Do not dispose of this device with unsorted waste.**

LIMITED WARRANTY



Roots Multiclean Ltd (RMCL) warrants to the original purchaser / user that its products are free from defects in workmanship and materials under normal use and service for a period of one year (except vacuum motors, batteries and engines) from the date of purchase. Infrequent exceptions to this general policy are warranty extensions by RMCL to cover unusual circumstances, such as field modification program / product recall for replacement.

- a. Vacuum Motors - 12 months or 600 Hrs whichever occurs first
- b. Battery - 12 months or 1200 Hrs (cycles - 350) whichever occurs first.
- c. Diesel Engines - 12 months or 1500 Hrs whichever occurs first.
- d. Petrol Engines - 12 months or 1200 Hrs whichever occurs first.
- e. Drive Tyre - 12 months or 1200 Hrs whichever occurs first.

RMCL will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use if the product has been operated and maintained in accordance with the applicable operation and instruction manuals.

CONDITIONS

Start of Warranty Period

Warranty begins the day the product is purchased by the end user / purchaser and it is transferable to subsequent owners if the product is sold through dealers.

RMCL Obligation

RMCL obligation under this warranty is limited to the free-of-charge repair or replacement, at its sole discretion, of any product that RMCL examines and determines to be defective in material or workmanship and its decision shall be final and binding in this regard.

RMCL Policy on Repair or Replacement

Repairs will be made using only new or refurbished parts provided by RMCL. Replacement will be made only if the product is not serviceable or if it is damaged beyond economical repair. In such cases, a RMCL refurbished product, if available, will be used as the replacement, unless RMCL specifically authorizes the use of a new product. Refurbished products will meet the original RMCL manufacturing specification / standards.

Note: Replacement parts or units used to repair a defective service part or unit covered by the service parts warranty carry on additional warranty beyond the warranty coverage of the original purchased service part or unit.

Purchaser's Obligation

The purchaser's obligation is to operate the product under normal conditions in an approved application, which includes proper installation, speed, intended application use, and service. Failure to do so voids this warranty. In order to obtain a claim under this warranty, the purchaser must deliver the product (easy to carry equipment like wizzard, vacuum cleaners etc.) to an Authorized RMCL Service Dealer who will determine whether the product has failed or not and determine if warranty consideration can be provided. Equipments other than the small ones as listed above, RMCL Authorized Service Dealer will inspect and determine if the warranty consideration can be provided at customer place.

How to Obtain Warranty Service

- a) Immediately upon noticing the defect, the customer contacts the nearest Dealer / Branch and on his call, allows him to check the machine and enables him to remove and dispatch to RMCL the part / parts, attributing the defects. Also if necessary allow the dealer / authorized service personnel to move the machine to his work place for effective service.
- b) Produces the original warranty coupon or the sale invoice copy, enabling the dealer / authorized service personnel to verify warranty details.

What is Not Covered Under this Warranty

- Any defective part or parts which, in the opinion of RMCL has been damaged in any form whatsoever due to improper usage or negligence, or due to any accident or any alteration whatsoever to the machine.
- Normal wear and tear, or the items whose life is dependent on their appropriate use and care, such as belts, cords, switches, hoses, rubber parts. Vacuum motors, starter motor, alternator, stop solenoid switch are not also covered under this warranty if they are abused and not subjected to the appropriate usage.
- Part or parts or accessory purchased from an unauthorized source.
- Warranty service provided by firms not authorized by RMCL. Also, such service voids this warranty, and costs associated with such service are not recoverable from RMCL.
- Products modified or altered in ways not approved by RMCL. Such modifications terminate all RMCL warranty obligations.
- Costs resulting from negligence, abuse, accident, misuse, misapplication, tampering, or improper installation, inappropriate usage or removal.
- Failures caused by use of improper or contaminated cleaning solution (dirt, water, etc.), and normal wear and tear.
- Filter elements plugged as a result of normal use and not defective in workmanship or material.
- If the maintenance to the machine is not carried out as specified in the instruction manual.
- If the operating instruction have not been complied with.
- Normal maintenance operations such as engine tune-up, fuel system cleaning etc.
- Normal replacement of service items such as Filter elements, oil seals, gasket 'O' ring, rubber hose item etc.,
- Parts of the engine that have been subjected to misuse or negligent treatment, accident or which have been used in conjunction with parts / implements and equipment not made or recommended for such use prematurely affects the performance and reliability of the engine.
- Parts of the engine / machine that have been altered or replaced in an unauthorized manner.
- Engine / machine have not been serviced by RMCL authorized dealers, per recommended service schedule given in operators manual
- Proprietary parts which are not manufactured by Roots Multiclean Ltd but supplied by other OEM's such as Alternators, Starter Motors, Types, Tubes and Batteries shall be governed by the warranty terms and conditions offered by these OEM's. Warranty of these items are to be referred to the respective manufacturer through RMCL branches / Authorised Dealer.

Warranty Limitations and Limitations of Liability:

THIS WARRANTY IS EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY THAT CANNOT BE DISCLAIMED UNDER APPLICABLE LAWS IS LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL RMCL BE LIABLE FOR ANY LOSS OF USE OF THE EQUIPMENT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Note: A Limited Warranty issued by Roots Multiclean Ltd., either to a specific original equipment or to the aftermarket will take precedence over this Standard (Limited) Warranty.