

NR-36G1

INTRODUCTION

This manual is furnished with each new model. It provides necessary operation and maintenance instructions.



Read this manual completely and understand the machine before operating or servicing it.

This machine has excellent performance, but only under the following circumstances can you get the best results at the lowest cost.

This machine will provide excellent service. However, the best results will be obtained at minimum costs if:

- The machine is operated with reasonable care.
- Maintain the machine regularly according to the machine maintenance instructions provided.
- Maintain machine with parts supplied by manufacturer

INTENDED USE

The NR-36G1 is an industrial/commercial rider machine designed to wet scrub both rough and smooth hard surfaces (concrete, tile, stone, synthetic, etc). Typical applications include schools, hospitals / health care facilities, office buildings, and retail centers. Do not use this machine on soil, grass, artificial turf, or carpeted surfaces. This machine is intended for indoor use only. This machine is not intended for use on public roadways. Do not use this machine other than described in this Operator Manual.

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PROTECT THE ENVIRONMENT

Please dispose of packaging materials and used machine components such as batteries in an environmentally safe way according to your local waste disposal regulations.

Always remember to recycle.

Please fill out at time of installation for future reference.	
Model No	
Serial No	
Installation Date -	

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IMPORTANT SAFETY INSTRUCTIONS

The following precautions are used throughout this manual as indicated in their description:

FOR SAFETY: To identify actions that must be followed for safe operation of equipment.

The following information signals potentially dangerous conditions to the operator. Know when these conditions can exist. Locate all safety devices on the machine. Report machine damage or faulty operation immediately.

WARNING:

- Batteries emit hydrogen gas.
- Explosion or fire can result. Keep sparks and open flame away.
 - Keep covers open when charging.

WARNING:

- Flammable materials can cause an explosion or fire.
 - Do not use flammable materials in tank(s).

WARNING:

- Flammable materials or reactive metals can cause an explosion or fire. Do not pick up.

⚠WARNING: Electrical Hazard

- -Disconnect Battery Cables and Charger Plug Before Servicing Machine.
- -Do Not Charge Batteries with Damaged

Power Supply Cord. Do Not Modify Plug. If the charger supply cord is damaged or broken, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

FOR SAFETY:

1. Do not operate machine:

- -Unless trained and authorized.
- -Unless operator manual is read and understood.
- -Under the influence of alcohol or drugs.
- -While using a cell phone or other types of electronic devices.
- -Unless mentally and physically capable of following machine instructions.
- -With brake disabled.
- -If it is not in proper operating condition.
- -With pads or accessories not supplied or approved by WEILAN. The use of other pads may impair safety.
- -Not for roads
- -In areas where flammable vapors/liquids or combustible dusts are present.
- -In areas that are too dark to safely see the controls or operate the machine unless operating / headlights are turned on.
- -In areas with possible falling objects unless equipped with overhead guard.
- 2. Before starting machine:
- -Check machine for fluid leaks.
- -Make sure all safety devices are in place and operate properly.
- -Check brakes and steering for proper operation.
- -Adjust seat and fasten seat belt (if equipped).
- 3. When using machine:
- -Use only as described in this manual.
- -Use brakes to stop machine.
- -Go slowly on inclines and slippery surfaces.
- -Do not scrub on ramp inclines that exceed 7% grade or transport (GVWR) on ramp inclines that exceed 14% grade.
- -Reduce speed when turning.
- -Keep all parts of body inside operator station while machine is moving.
- -Always be aware of surroundings while operating machine.
- -Use care when reversing machine.
- -Keep children and unauthorized persons

away from machine.

- -Do not carry passengers on any part of the machine.
- -Always follow safety and traffic rules.
- -Report machine damage or faulty operation immediately.
- -Follow mixing, handling and disposal instructions on chemical containers.
- Follow site safety guidelines concerning wet floors.
- 4.Before leaving or servicing machine:
- -Stop on level surface.
- -Turn off machine and remove key.
- 5. When servicing machine:
- All work must be done with sufficient lighting and visibility.
- -Keep work area well ventilated.
- -Avoid moving parts. Do not wear loose clothing, jewelry and secure long hair.
- -Block machine tires before jacking machine up.
- -Jack machine up at designated locations only. Support machine with jack stands.
- Use hoist or jack that will support the weight of the machine.
- -Do not push or tow the machine without an operator in the seat controlling the machine.
- -Do not power spray or hose off machine near electrical components.
- -Disconnect battery connections and charger cord before working on machine.
- Do not pull on battery charger cord to unplug.
 Grasp plug at outlet and pull.
- Do not use incompatible battery chargers as this may damage battery packs and potentially cause a fire.
- Inspect charger cord regularly for damage.
- -Do not disconnect the off-board charger's DC cord from the machine receptacle when the charger is operating. Arcing may result. If the charger must be interrupted during charging, disconnect the AC power supply cord first.
- -Avoid contact with battery acid.

- -Keep all metal objects off batteries.
- -Use a non-conductive battery removal device.
- -Use a hoist and adequate assistance when lifting batteries.
- -Battery installation must be done by trained personnel.
- -Follow site safety guidelines concerning battery removal.
- -All repairs must be performed by a trained service mechanic.
- Do not modify the machine from its original design.
- -Use WEILAN supplied or approved replacement parts.
- -Wear personal protective equipment as needed and where recommended in this manual.

For Safety:



wear hearing protection.



wear protective gloves.



wear eye protection.



wear protective dust mask.

- 6. When loading/unloading machine onto/off truck or trailer.
- -Drain tanks before loading machine.
- -Lower scrub head and squeegee before tying down machine.
- -Turn off machine and remove key.
- -Use ramp, truck or trailer that will support the weight of the machine and operator.
- -Do not load/unload on ramp inclines that exceed 19% grade.
- -Use winch. Do not push the machine onto/off the truck or trailer unless the load height is 380 mm (15 in) or less from the ground.
- -Block machine tires.
- -Tie machine down to truck or trailer.

SAFETY LABELS

The safety labels appear on the machine in the locations indicated. If these or any label becomes damaged or illegible, install a new label in its place.



OPERATION

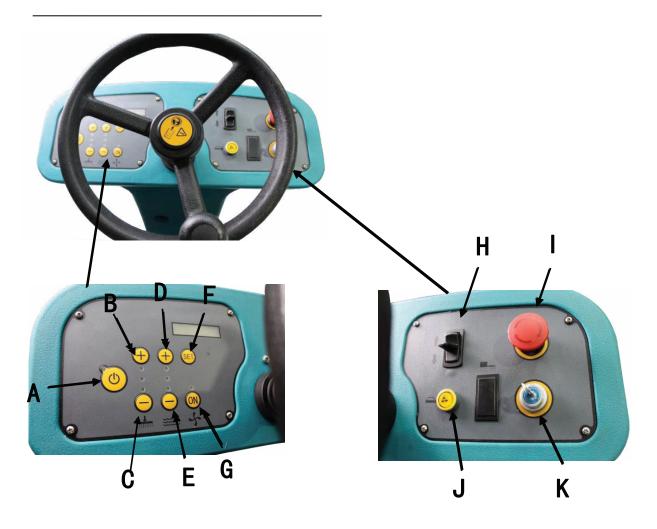
MACHINE COMPONENTS



- 1.Steering wheel
- 2.Operator seat
- 3.Recovery tank cover 4.Recovery tank
- 5. Solution tank
- 6.Charger power cord
- 7.The charger

- 8.Propel pedal
- 9.Backup alarm / flashing light
- 10.Drain hose
- 11.Rear squeegee
- 12.Clean water tank drain
- 13.Tire
- 14.Clean water tank inlet

CONTROLS AND INSTRUMENTS



- A. 1-Step button
- B. Increase brush pressure
- C. Reduce brush pressure
- D.Solution increase button (+)
- E.Solution decrease button (-)
- F.Display switch key
- G. Vacuum fan / squeegee button
- **H.Directional switch**
- I.Power kill switch
- J.Horn button
- K.On/Off key switch

HOW THE MACHINE WORKS

The scrub components of the machine are a solution tank, scrub brushes or pads, a squeegee, a vacuum fan, and a recovery tank.

The buttons on the control panel control the machine scrubbing functions. The vacuum fan / squeegee button turns the vacuum fan on/off and raises and lowers the squeegee. The brush pressure buttons control the scrub brush pressure, and the solution buttons control the solution flow.

The *steering wheel* controls the path of the machine travel. The *directional switch* controls the forward or reverse direction of the machine. The propel pedal controls the speed of the machine.

The *brake pedal* slows and stops the machine.

The *steering wheel* controls the path of the machine travel. The *directional switch* controls the forward or reverse direction of the machine. The propel pedal controls the speed of the machine.

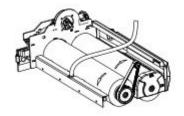
The *brake pedal* slows and stops the machine

There are two different types of scrub heads available.

NOTE: The amount and type of soilage play an important role in determining the type of brushes or pads to use. For specific recommendations, see the BRUSH INFORMATION section of this manual or contact a Weilan representative.



With Disk Brushes



With Cylindrical Brushes

SCRUBBING THE WAY

Water and detergent from the solution tank flow to the floor through a solution valve. The brushes use the detergent and water solution to scrub the floor clean. As the machine propels forward, the squeegee wipes the dirty solution from the floor. The suction created by the vacuum fan then draws the dirty solution from the squeegee into the recovery tank.

BRUSH INFORMATION

For best results, use the correct brush type for the cleaning application. The following are recommended brush applications.

Nylon brush (Cylindrical and Disk) -Softer nylon bristles are recommended for scrubbing coated floors. Cleans without scuffing

Polyester brush (Cylindrical)- Softer general purpose polyester bristles gently clean while scrubbing. Perfect for sensitive

floor surfaces.

PolyPro brush (Cylindrical) – Heavy duty polypropylene bristles provide a more aggressive cleaning performance and can more easily lift compacted dirt, debris, and sand while offering excellent scrubbing performance.

Heavy duty stripping pad - This black pad is for stripping floors. Cuts through old heavy finishes easier to prepare the floor for recoating.

Scrubbing pad - This blue pad is for scrubbing floors. Removes dirt, spills, and scuffs. Leaves a clean surface ready for recoating.

Buffing pad - This red pad is for buffing floors. Quickly cleans and removes scuff marks while polishing the floor to a high gloss.

Polishing pad - This white pad is for polishing floors. Maintains a high gloss. Use for buffing very soft finishes and lower traffic areas, and polishing soft waxes on wood floors.

MACHINE SETUP

ATTACHING SQUEEGEE ASSEMBLY

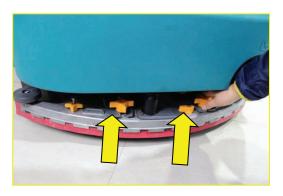
- 1.Stop machine on a level surface.
- 2.Turn the machine *ON/OFF key switch* off.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

3.Connect the vacuum tube as shown in the picture and insert the suction scraper downward.



4.Place the rear squeegee under the squeegee mount bracket and fasten with the two knobs.



The squeegee deflection is set at the factory. If the squeegee blade needs adjustments, see ADJUSTING REAR SQUEEGEE BLADE DEFLECTION section of this manual.

INSTALLING BRUSHES/PADS

To install the brushes or pad, see
REPLACING DISK SCRUB BRUSHES OR
PAD DRIVER or REPLACING
CYLINDRICAL SCRUB BRUSHES
section of this manual.

FILLING THE SOLUTION TANK

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

The machine is equipped with a fill port at the rear of the machine.



WARNING: Flammable materials can cause an explosion or fire. Do not use flammable materials in tank(s).

Washing way: Open the solution tank fill port and partially fill it with water (not to exceed 60 C / 140 F). Pour the required amount of detergent into the solution tank according to mixing instructions on the bottle.

Then continue filling the solution tank with warm water until the water level is just below the fill port.

FOR SAFETY: When using machine, follow mixing and handling instructions on chemical containers.

NOTE: When filling the solution tank with a bucket, make sure that the bucket is clean. Do not use the same bucket for filling and

draining the machine.

ATTENTION: For Conventional Scrubbing, only use recommended cleaning detergents. Machine damage due to improper detergent usage will void the manufacturer's warranty.

MACHINE OPERATION

PRE- OPERATION CHECK LIST

- -Check the battery fluid and charge level.
- -Check the tank cover seals for damage and wear.
- -Clean the vacuum fan inlet filter.
- -Check the condition of the scrubbing brushes. Remove any string, banding, plastic wrap, or other debris wrapped around them.
- --Check the squeegees for damage, wear and for deflection adjustment.
- -Check the vacuum hose for debris or blockage.
- -Drain and clean the recovery tank.
- -Check the brakes and steering for proper operation.
- Check the horn, alarm light and other equipment
- -Check the maintenance records to determine whether it is necessary to carry out and maintain.

BEFORE OPERATING

Pick up oversized debris before scrubbing. Pick up pieces of wire, string, twine, etc., that could become wrapped around the scrub brush.

Plan the scrubbing in advance. Try to arrange long runs with minimum stopping and starting. Do an entire floor or section at one time.

Pre- sweep the area to prevent streaking.

SETTING BRUSH PRESSURE

Under normal conditions, the brush pressure should be set to the minimum setting (the bottom light). Under heavy grime conditions, the brush pressure should be set to the maximum setting (the top light). Travel speed and floor conditions will affect scrubbing performance.

With the One Step Scrub button on, press either the Brush Pressure increase button (+) or the Brush Pressure decrease button (-) to set the scrubbing pressure for the surface being cleaned. The new pressure setting will default to this setting when the machine is powered on or off.



SETTING SOLUTION FLOW

Under normal soilage conditions the solution flow level should be set to the lowest setting (the bottom light). Under heavy grime conditions, the solution flow level should be set to the higher settings (middle or top lights). Travel speed and floor conditions will affect scrubbing performance.

With the One Step Scrub button on, press either Solution increase button (+) or Solution decrease button (-) to set the solution flow level for the surface being cleaned. The new solution flow setting will default to this setting when the machine is powered on or off.



SCRUBBING

FOR SAFETY: Do not operate machine, unless operator manual is read and understood.

- 1. Turn the On/Off key switch on.
- 2. Press the One Step Scrub button. The light on the button is illuminated. All the preset scrubbing functions will turn on.



NOTE: During the washing period, according to the dirt level of the ground Solution Flow Setting while scrubbing if necessary.

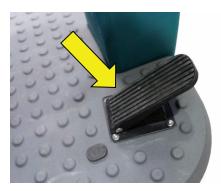
Place the directional switch in the direction the machine is to be moved (forward or reverse).



NOTE: The machine can only wash the floor in front. When you back off, the horn goes off and the floor wash stops.

WARNING: Flammable materials or reactive metals can cause an explosion or fire. Do not pick up.

4. Press the propel pedal to begin scrubbing.



5.maximum speed, slowly release the speed of small, until the release of the pedal, the machine stopped working.

FOR SAFETY: When using machine, go slowly on inclines and slippery surfaces.

6. Press the One Step Scrub button to stop scrubbing. The light next to the One Step Scrub button will turn off and the scrubbing functions will turn off after a short delay.



WATER PICK UP MODE (NO SCRUBBING)

The machine can be used to pick up water or non- flammable liquid spills without scrubbing.

To pick up water or non- flammable liquid spills, check to make sure that the One Step Scrub button is not activated. The light next to the One Step Scrub button must be off.



WARNING: Flammable materials or reactive metals can cause an explosion or fire. Do not pick up.

Then press the vacuum fan button. The light above the vacuum fan button will turn on, the squeegee will lower and the vacuum fan will start operating. Then pick up the water or non- flammable liquid spill.



WHILE OPERATING THE MACHINE

Drive as straight a path as possible. Avoid bumping into posts or scraping the sides of the machine. Overlap the scrub paths by several centimeters (a few inches).

Avoid turning the steering wheel too sharply when the machine is in motion. The machine is very responsive to the movement of the steering wheel. Avoid sudden turns, except in emergencies.

When scrubbing dead end aisles, start at the closed end of the aisle and scrub out towards the opening.

Adjust the machine speed, brush pressure, and solution flow as required when scrubbing. Use the minimal brush pressure and solution flow settings as possible.

Keep the machine moving to prevent damaging floor finishes.

If poor scrubbing performance is observed, stop scrubbing and refer to MACHINE TROUBLESHOOTING.

Conventional Scrubbing: Pour a recommended foam control solution into the recovery tank if excessive foam appears.

Change or rotate pads as necessary.

Observe the battery discharge indicator to ensure there is adequate charge for machine operation.

Observe the solution tank indicator to ensure the solution tank is not empty. Always empty recovery tank before refilling the solution tank.

Observe the recovery tank indicator to ensure the recovery is not full.

Remove the key when leaving the machine unattended.

Perform the Daily Maintenance Procedures

after scrubbing (see MACHINE MAINTENANCE).

FOR SAFETY: When using machine, go slowly on inclines and slippery surfaces.

Do not operate machine in areas where the ambient temperature is above 43_ C (110_ F). Do not operate scrubbing functions in areas where the ambient temperature is below freezing 0 C (32 F).

EMERGENCY STOP BUTTON

The Emergency Stop Button halts all power to the machine in case of an emergency. Press the button to halt the machine power. To restart the machine, turn the Emergency Stop Button to the right. Then turn the on/off switch to the off position and then to the on position.



NOTE: This button should not be used for normal stopping as premature wear to the parking brake may occur.

HOUR METER

The timer records the total number of hours the machine has been turned on and this information is displayed on the panel display.



SOLUTION TANK EMPTY INDICATOR

The solution tank empty indicator comes on when the solution tank is empty and gives an alarm. When this happens, the scrub functions are disabled.

RECOVERY TANK FULL INDICATOR

The recovery tank full indicator comes on when the recovery tank is fulland gives an alarm. When this happens, the scrub functions are disabled.

BATTERY DISCHARGE INDICATOR

The battery discharge indicator shows the charge level of the batteries.



When the battery is fully charged, all five indicators will display. As the battery is consumed, the indicator will be extinguished from left to right, until the right indicator displays and gives an alarm

When only the light on the right side shows and alarms, the floor washing function should be turned off to indicate the battery status of the operator. If necessary, please press the single suction button to quickly sweep back the residual sewage.

NOTE: Do not charge batteries more often than necessary. Excessive charging could reduce the life of the batteries. It is best to charge the batteries only when the left light indicates that the battery needs charging. See BATTERIES in the MAINTENANCE section.

DAINING AND CLEANING THE TANKS

When cleaning is finished, or when the recovery tank full indicator comes on, the recovery tank should be drained and cleaned. The solution tank then can be filled again for additional cleaning.

- 1. Drive the machine to a solution disposal drain.
- 2. Turn the machine ON/OFF key switch off. FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.
- 3. Remove the tank drain hose from the sewage tank

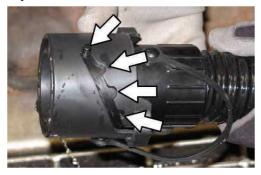


4. Hold the drain hose near a floor drain, twist the drain nozzle open, and place the hose near the floor drain.



NOTE: Be sure the drain hose nozzle is pointed in a safe direction before opening the nozzle.

5. Twist the drain nozzle another position to adjust the flow rate.



6.Lift the recovery tank cover and flush out the recovery tank with clean water. Rinse the sensor near the top of the tank.



NOTE: DO NOT use steam to clean the tanks. Excessive heat can damage the tanks and components.

7.After the sewage tank is emptied, Twist the drain cuff closed and insert the drain hose back into the clip on the recovery tank.

8.Remove and check the vacuum fan intake filter. Clean the inlet filter with a wet cloth or hose. Allow the filter to dry completely before reinstalling it into the machine(Suggest to reserve one)

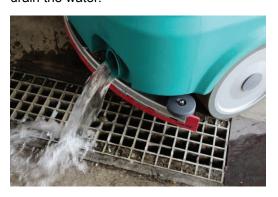


9. Cover the sewage tank

10.Tilt the recovery tank back to access the solution tank. Make sure the recovery tank is empty before tilting.



11. Move the machine so that the discharge port of the clean water pipe is aimed at the ground drain port, open the pipe port and drain the water.



12.Cylindrical scrub head: Remove and clean the debris tray. Place the tray back in the scrub head when finished.



NOTE: The scrub head must be lowered approximately 25 mm (1 in) to remove debris trough.

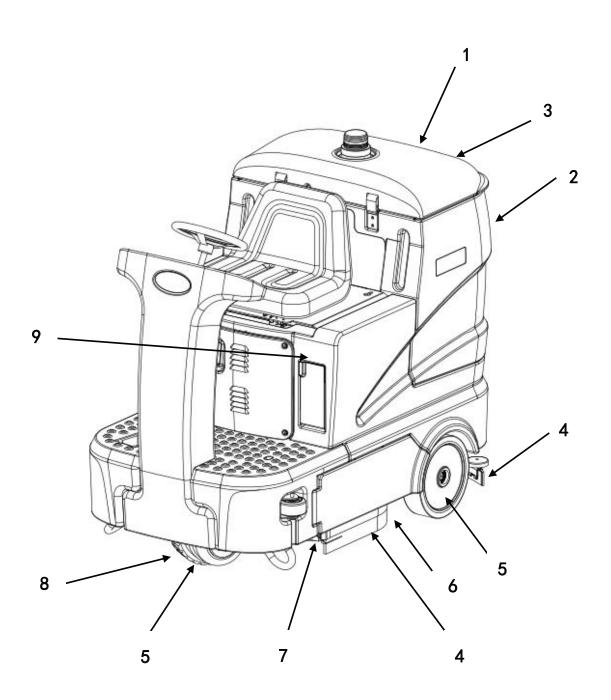
NOTE: The debris trough can be removed from the right side of the machine only.

13. Remove the lid of the litter basket, take out the rubbish and put it back to the original place.



MACHINE TROUBLESHOOTING

Problem	Cause	Remedy
	Vacuum fan turned off	Turn vacuum fan on
	Worn squeegee blades	Rotate or replace squeegee blades
	Squeegee out of adjustment	Adjust squeegee
	Vacuum hose clogged	Flush vacuum hoses
Trailing water- poor or	Vacuum fan filter dirty	Clean vacuum fan filter
no water pickup	Vacuum fan cover seals worn	Replace seals
	Debris caught on squeegee	Remove debris
	Vacuum hose to squeegee or recovery tank disconnected or damaged	Reconnect or replace vacuum hose
	Recovery tank cover not completely closed	Check for obstructions and close
	Vacuum fan switch turned off	Turn vacuum switch on
Vacuum fan will not	Recovery tank full	Drain recovery tank
turn on	Foam filling recovery tank	Empty recovery tank
	Recovery tank sensor dirty or stuck	Use less detergent
	Solution tank empty	Fill solution tank
Little or no solution	Solution flow turned off	Turn solution flow on
flow to the floor	Solution supply lines plugged	Flush solution supply lines
(Conventional Scrubbing Mode)	Clogged solution tank filter	Drain solution tank. remove solution tank filter, clean and reinstall
	Improper detergent or brushes used	Contact service representative
	Recovery tank full	Empty recovery tank
	Solution tank empty	Fill solution tank
Poor scrubbing performance	Debris caught on scrub brushes or pads	Remove debris
periormance	Worn scrub brush	Replace scrub brush
	Broken or loose brush drive belt (Cylindrical models)	Replace or tighten belt
	Brush pressure set too light	Increase brush pressure



The table below indicates the Person Responsible

for each procedure.

O = Operator.

T = Trained Personnel.

Interval	Person Resp.	Key	Description	Procedure
	0	4	Side and rear squeegees	Check for damage and wear
				Check deflection and leveling
Daily	Daily O 6		Scrub brushes / pads	Check for damage, wear, debris
	0	2	Recovery tank	Clean tank, screen filter, and float sensor
	O 3 Vacuum fan f		Vacuum fan filter	Clean
50 Hours	0	6	Disk scrub head floor skirt	Check for damage and wear
100 Hours	Т	3	Vacuum Fan and tank seals	Check for damage and wear
200 Hours	Т	9	Battery terminals and cables	Check and clean
	Т	1	Vacuum fan motor(s)	Check motor brushes (Check every 100 hours after initial 500 hour check)
500 Hours	Т	7	Scrub brush motors	Check motor brushes (Check every 100 hours after initial 500 hour check)
	Т	8	Propelling motor	Check motor brushes (Check every 100 hours after initial 500 hour check)
	Т	5	Tires	Check for damage and wear

BATTERIES

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

The lifetime of the batteries depends on their proper maintenance. To get the most life from the batteries;

S Do not charge the batteries more than once a day and only after running the machine for a minimum of 15 minutes.

S Do not leave the batteries partially discharged for long period of time.

S Only charge the batteries in a well-ventilated area to prevent gas build up. Charge batteries in areas with ambient temperatures 27_C (80_F) or less.

S Allow the charger to complete charging the batteries before re-using the machine.

S Maintain the proper electrolyte levels of flooded (wet) batteries by checking levels weekly.

MAINTENANCE-FREE BATTERIES

Maintenance-free (Sealed AGM) batteries do not require watering. Cleaning and other routine maintenance is still required.

CHECKING CONNECTIONS / CLEANING

After every 200 hours of use check for loose battery connections and clean the surface of the batteries, including terminals and cable clamps, with a strong solution of baking soda and water. Replace any worn or damaged wires. Do not remove battery caps when cleaning batteries.

CHARGING THE BATTERIES WITH OFF-BOARD CHARGER

IMPORTANT: Before charging, make sure that the battery charger setting is properly set for the battery type (Refer to charger's owners manual).

1.Drive the machine to a flat, dry surface.

NOTE: Make sure the area is well ventilated. 2.Turn the machine ON/OFF key switch off.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

3. Tilt the operator seat forward and hook the seat latch into place to hold up the seat.



NOTE: Make sure the batteries have the proper electrolyte level before charging. See CHECKING THE ELECTROLYTE LEVEL.

4. Open the lid and pull out and plug the charger into the wall socket.



ELECTRIC MOTORS

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

The carbon brushes on the vacuum fan motor, the propelling motor, and the scrub brush motors should be inspected after the initial 500 hours of machine operation.

SCRUB BRUSHES

The machine can be equipped with either disk or cylindrical scrub brushes, or cleaning pads. Check scrub brushes daily for wire or string tangled around the brush or brush drive hub. Also check for brushes damage and wear.

DISK BRUSHES AND PADS

Replace the pads when they no longer clean effectively.

Cleaning pads must be placed on pad drives before they are ready to use. The cleaning pad is held in place by a pad holder.



Cleaning pads need to be cleaned immediately after use with soap and water. Do not wash the pads with a pressure washer. Hang pads, or lie pads flat to dry.

NOTE: Always replace brushes and pads in sets. Otherwise one brush or pad will be more aggressive than the other.

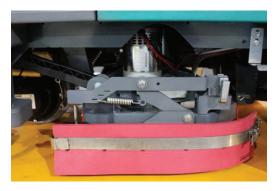
REPLACING DISK BRUSHES OR PAD DRIVER

1.Stop machine on a level surface. Make sure the scrub head is in the raised position.

2.Turn the machine ON/OFF key switch off.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

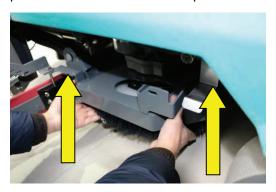
3. Open the side suction support door on the left side.



4. Hold the brush tray in both hands and press it down and take it out.



5. Put the brush disk in the corresponding position and lift the brush disk upward.



REPLACING DISK PADS

- 1.Remove the pad driver from the machine.
- 2. Squeeze the spring clip together to remove the center disk.
- 3. Flip or replace the scrub pad, center the scrub pad on the pad driver. Then reinstall the center disk to secure the pad in place on the pad driver.
- 4. Reinsert the pad driver into the machine.

CYLINDRICAL BRUSHES

Check the brush taper and rotate the brushes from front-to-rear every 50 hours of machine operation for maximum brush life and best scrubbing performance.

NOTE: Replace worn brushes in pairs. Scrubbing with brushes of unequal bristle length will result in diminished scrubbing performance.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

1.Open the side squeegee support door.



2.Lift the idler plate retainer handle and unhook the retainer ring from the idler plate hook.



3.Remove the idler plate from the scrub head.



4. Remove the brush from the scrub head

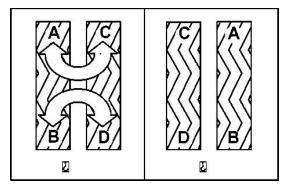


5.Position the brush with the double row end towards the scrub head opening. Guide the new brush onto the drive hub.

6.If rotati ng the brushes, always rotate the front with the back so that they wear evenly. They may be rotated end for end as well.

7.Reinstall the idler plate onto the scrub head and secure the idler plate into place with the idler plate retainer.

8. Repeat for the other brush on the other side of the scrub head.



SQUEEGEE BLADES

1.Stop machine on a level surface. Make sure the scrub head is in the raised position.

REPLACING (OR ROTATING) THE REAR

replaced when the operation is used. Each

suction strip has four scraper edges. When the tape is worn, just change the two ends of the tape and use the edge of the blade with the other side intact. If all four edges are

worn out, please replace the tape.

2. Turn the machine ON/OFF key switch off.

SQUEEGEE BLADES

The side squeegees control water spray and channel water into the path of the rear squeegee. The side squeegee blades are not adjustable.

The rear squeegee assembly channels water into the vacuum fan suction. The front blade channels the water and the rear blade wipes the floor.

Check the squeegee blades daily for damage and wear. Rotate or replace the squeegee blades if the leading edge is torn or worn half-way through the thickness of the blade. Replace the side squeegee deflectors if they become worn.

The rear squeegee can be adjusted for leveling and deflection. The deflection and leveling of the squeegee blades should be checked daily, or when scrubbing a different type of floor.

The rear squeegee assembly can be removed from the squeegee pivot to prevent damage during transport of the machine.

When the machine leaves the factory, the grills assembled have been completely, and the tape needs to be

FOR SAFETY: **Before** leaving servicing machine, stop on level surface, turn off machine, and remove key.

3. Remove the squeegee suction hose from the rear squeegee assembly. Then loosen both rear squeegee assembly mounting knobs.



4. Pull the rear squeegee assembly from the machine.



8. Lightly tighten the two outer knobs.



9.Loosen the two outer knobs on the rear squeegee assembly. Remove the front squeegee blade from the squeegee assembly.



10.Replace the rear tape with the edge of the new scraper, and then install the tape back to make sure that one end of the clamping notch is down.



11.If you want to replace the tape, remove the rear belt and release the four suction assembly knobs completely, but do not remove the knobs. Pull up and adjust the positioning board to reveal the tape (pictured above). Replace the front tape with the edge of the new scraper and install it back into the positioning board. Make sure the positioning plate is stuck into the tape slot. Install the clamping belt back in place and lock the knob.

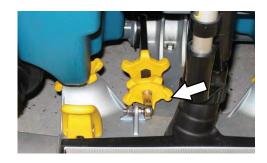
LEVELING THE REAR SQUEEGEE

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

- 1. Open the side squeegee.
- 2.Pull the old side squeegee blade from the side squeegee retainer. Slide the new blade onto the retainer.
- 3.If the deflection is not the same over the full length of the blade, use the tilt adjust knob to make adjustments.

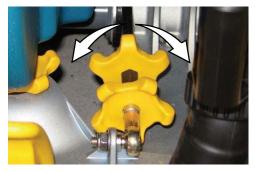
DO NOT disconnect the vacuum hose from the squeegee frame when leveling squeegee.

4.To adjust the squeegee leveling, loosen the tilt lock knob.



5. Turn the squeegee tilt adjust knob counter-clockwise to decrease the deflection at the ends of the squeegee blade.

Turn the squeegee tilt adjust knob clockwise to increase the deflection at the ends of the squeegee blade.



- 6. Tighten the tilt lock knob.
- 7.Drive the machine forward with the squeegee down to recheck the squeegee blade deflection if adjustments were made.
- 8. Readjust the squeegee blade deflection if

necessary.

ADJUSTING THE REAR SQUEEGEE BLADE DEFLECTION

Deflection is the amount of curl the overall squeegee blade has when the machine moves forward. The best deflection is when the squeegee wipes the floor dry with a minimal amount of deflection.

NOTE: Make sure the squeegee is level before adjusting the deflection. See LEVELING THE REAR SQUEEGEE.

1.Lower the squeegee and drive the machine several meters (feet) forward and slowly bring the machine to a stop.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

2.Look at the amount of deflection or "curl" of the squeegee blade. The correct amount of deflection is 12 mm (0.50 in) for scrubbing smooth floors and 15 mm (0.62 in) for rough floors.



3.If you need to adjust the angle of the glue strip, please rotate the knob at both ends of the water suctionstrip.



4.Lower the suction and push the machine forward to re-check the angle of the glue.

5. Adjust the angle of the glue strip according to the need.

REPLACING OR ROTATING THE SIDE BRUSH SQUEEGEE BLADES (OPTION)

Check the side brush squeegee blade for damage and wear daily. Replace or rotate the blade if the leading edge is torn or worn half-way through the thickness of the blade.

- 1.Start the machine and press the side brush switch.
- 2.Shut off the machine after the side brush rotates from under the side guard, but before the side brush assembly lowers to the floor.



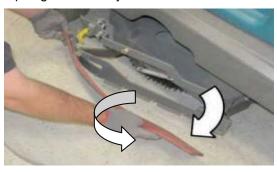
3. Remove the knobs holding the side brush squeegee assembly to the machine and remove the squeegee assembly.



4. Loosen the retaining band latch.



5.Remove the squeegee from the side squeegee assembly.



5. Install the rotated or new rear squeegee blade onto the side squeegee assembly.



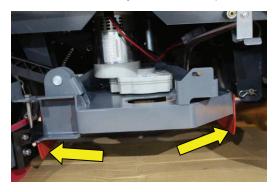
- 6. Fasten the retaining band latch onto the side squeegee assembly.
- 7. Repeat for the side squeegee on the other side of the scrub head.

SKIRTS AND SEALS

DISK SCRUB HEAD FLOOR SKIRT

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

The skirt is located in front of the disc brush scrub heads. Check the skirt for damage and wear after every 50 hours of operation.



The skirts should clear the floor by 0 to 6 mm,(0 to .25 in) when the scrub brushes are new and the scrub head is down.

RECOVERY TANK SEAL

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

The recovery tank seal is located on the bottom of the recovery tank cover. Check the seal for damage and wear after every 100 hours of operation.

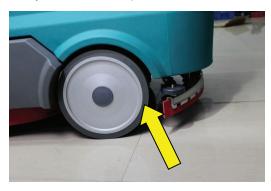


TIRES

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

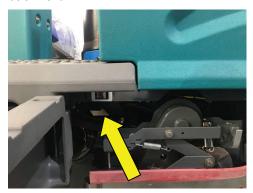
The machine has three solid rubber tires: one tire is front and two are in the rear.

Check the tires for damage and wear after every 500 hours of operation.



PUSHING, TOWING, AND TRANSPORTING THE MACHINE

If the machine is turned off, turn on the left baffle below the driver's seat and press the release switch on the frame (shown in the figure). You can push it forward or backward.



For safety reasons: do not operate the machine when you stop braking.

Only on a flat surface to push or drag and drop the machine, please do not more than 3.2 KP/h (2 MPH).

TRANSPORTING THE MACHINE

When transporting the machine by trailer or truck, be certain to follow the tie-down procedure below:

1. Raise the squeegee and scrub head.

FOR SAFETY: When loading/unloading machine onto/off truck or trailer, drain tanks before loading machine.

2.Load the machine using a ramp that can support the machine weight and operator. Do not operate the machine on a ramp incline that exceeds 19.25%.

FOR SAFETY: When transporting machine, use a recommended ramp when loading/unloading into/off truck or trailer.

- 3. Position the front of machine against the front of the trailer or truck.
- 4.Lower the scrub head and squeegee after the machine is positioned on the trailer or truck
- 5.Place a block behind each wheel to prevent the machine from rolling.
- 6.Route the front tie- down straps through the stabilizer arms and then secure the tiedowns to the trailer or truck to prevent the machine from tipping.



NOTE: It may be necessary to install tie-down brackets to the floor of the trailer or truck.

FOR SAFETY: When transporting machine, use tie- down straps to secure machine to truck or trailer.

7. Route the rear tie- down straps through the opening at the center part of the rear axle.

2.Park the machine in a cool, dry area. Do not expose the machine to rain. Store indoors.

MACHINE JACKING

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

Empty the recovery and solution tanks before jacking the machine. Jack up the machine for service at the designated locations. Use a hoist or jack capable of supporting the weight of the machine. Always stop the machine on a flat, level surface and block the tires before jacking up the machine.

Front jacking locations are located on both sides of the machine.

Rear jacking locations are located on both sides of the machine at the axles.

FOR SAFETY: When servicing machine, block machine tires before jacking machine up. Use a hoist or jack that will support the weight of the machine. Jack machine up at designated locations only. Block machine up with jack stands.

STORAGE INFORMATION

The following steps should be taken when storing the machine for extended periods of time.

Drain and clean the solution and recovery tanks. Open the recovery tank cover to promote air circulation.

Charge the batteries before storing machine to prolong the life of the batteries. Recharge batteries once a month.

1.Disconnect batteries before storing.

SPECIFICATIONS

Technical parameters	NR-36G1
Solution	130L
Recovery	140L
Cleaning rate	5800 m²/h
Brush diameter	350mm*2
Rolling brush diameter	
Brush length	
Squeegee width	910mm
Brush motor	300W*2 24V
Rolling brush motor	
Vacuum motor	600W
Drive motor	760W
Maintenance-free battery	220AH
Intelligent charger	25A(24v)
Running time	4-5 hours
Voltage	24V
Maximum slope of washing land	7%
Maximum ramp incline for loading -	20%
Empty	
Length	1550mm
Width	920mm
Highth	1350mm
Machine weight (with battery)	480KG
Temperature	43° -0° C
	(110° F-32° F)

MACHINE SIZE(mm)

