

# HT4045 TT4045G TT4055G SCRUBBER DRYER



# Mini Owner Instructions Warning! Read instructions before using the machine

Edgar Edmondson Pty Ltd

Head Office PO Box 198 Marrickville NSW 1475 AUSTRALIA Delivery and Shipping Address 18 Garden St Marrickville NSW 2204 AUSTRALIA Office Number: 1800 BUY MOP Fax Number: +61 (0)2 9519 9223 E-Mail: orders@edmondson.net.au

ABN: 27 000 450 144



# SCRUBBER DRYER HT 4045, TT 4045, TT 4055

Machine Overview		Pages 2-3
Machine Set up Guide		Page 4-7
Tilting the Handle		Page 4
Fitting the Top Tank		Page 4
Fitting the Brush		Page 4
Tipping the Brush Deck		Page 5
Fitting the Floor-tool		Page 5
Fitting the hose guide		Page 6
Fill the Clean-water tank		Page 6
Clean Water Level		Page 7
Control of Cleaning subs	tances (COSHH)	Page 7
Clean Water Tap On / Off	f	Page 7
Pre Cleaning		Page 7
Pre Scrubbing		Page 8
Lowering the floor-tool		Page 8
Breakaway floor-tool feat	ture	Page 8
Setting the cleaning co	ntrols	Page 9
Regular Maintenance		Page 10
Tanks and Filters		Page 10
Changing the Floor-too	I Blades	Page 11
Off-Aisle Cleaning Kit		Page 12
Specifications		Page 12
HT 4045 Face Fitting		Page 13-14
Trouble Shooting		Page 15
Recommended Spare Pa	arts	Page 15
Schematic Diagram		Page 16
Rating Label / Personal Recycling	Protective Equipm	
Safety Precautions		Page 18
EU Declaration Documer	nt	Page 19
Warranty		Page 19
Company Address		Page 20

#### PLEASE READ BEFORE COMMENCING OPERATION

After the removal of all the packaging, carefully open and check the contents

Owner Manual

• Scrub Brush

•Semi Parabolic Floor-tool

•Floor-tool Hose

1	Operator Control Panel
2	Separator
3	Top Tank (waste-water)
4	Waste-water Emptying Hose
5	Bottom Tank (clean-water)
6	Deck Locking Pin
7	Brush Deck
8	Handle Position Lever
9	Vacuum Switch
10	Pump Switch
11	Power Light
12	On / Off Switch
13	Triggers
14	Clean-water Tank Fill Point / Filler Hose
15	Floor-tool Vacuum Hose
16	Vacuum Hose
17	Clean-water Tank Emptying Hose & Fill Level
18	Floor-tool Lifting Lever
19	Floor-tool Retaining Knobs
20	Semi Parabolic Floor-tool
21	Clean Water Filter
22	Brush

Index



# Machine Set Up



#### PLEASE READ BEFORE COMMENCING ANY OPERATION AFTER THE REMOVAL OF ALL THE PACKAGING, CAREFULLY OPEN AND CHECK THE CONTENTS.

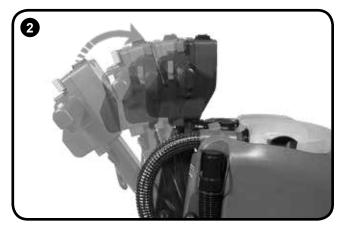


#### Tilting the handle

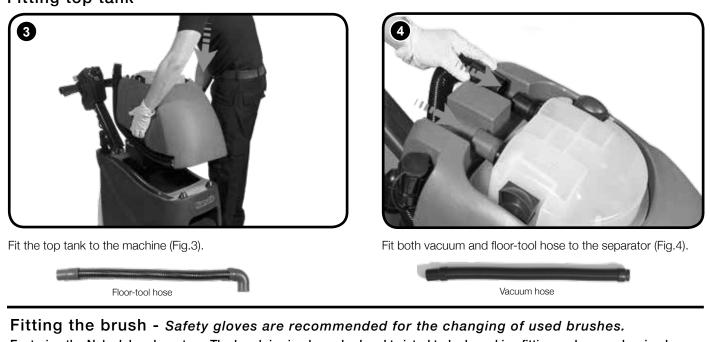


Using the handle position lever (Fig. 1).

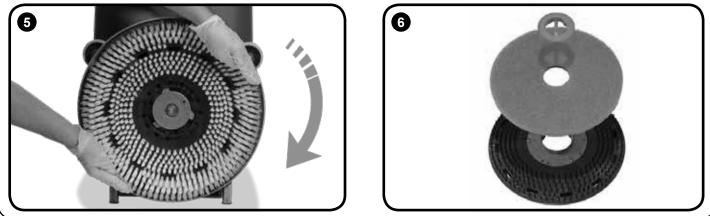
#### Fitting top tank



Move the handle into the upright position (Fig.2).

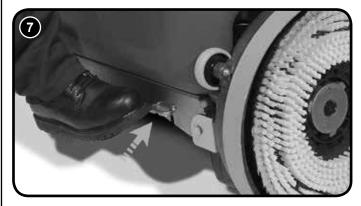


Featuring the Nulock brush system. The brush is simply pushed and twisted to lock, making fitting and removal a simple process. The Pad is retained using Numatic's own PadLoc system (ask your supplier for details). Only use manufacturer supplied brushes / pads. TT 4045G requires a 450mm brush or a 400mm pad. TT 4055G requires a 550mm brush or a 500mm pad. Fit the brush / pad to the drive chuck, twist to lock the brush (Fig.5) / pad in place (Fig.6).

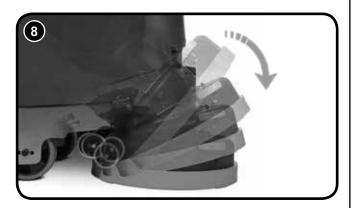


# Machine Set Up

#### **Tipping the Brush Deck**



To tip the deck into the down position (Operating mode). Press in the brush deck locking pin (Fig.7) and rotate the brush deck (Fig.8).



To change to brush deck up position, (Transit mode) simply lift the deck and the sprung loaded locking pin will activate to hold the deck up.



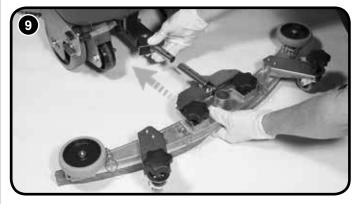
ALWAYS ENSURE THAT THE MACHINE IS SWITCHED OFF BEFORE MAKING ANY ADJUSTMENTS



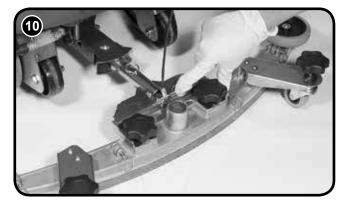
#### Fitting the Floor-tool

The floor-tool has been designed for quick fitting, allowing easy squeegee blade replacement and a safety knock-off feature if the floor-tool gets snagged, whilst in transit.

Note: It is easier to fit the floor-tool if the weight of the machine is resting on the brush. Ensure the brush is fitted first.



Fit the floor-tool and retain using the detent pin (Fig.9).



The lifting strap is held by a detent pin (Fig.10).



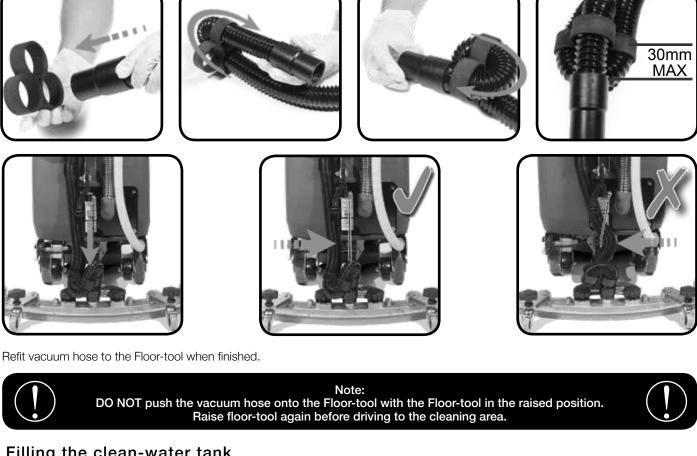
Raise the floor-tool for transit or lower for cleaning operation using the lifting handle fitted to the back of the machine (Fig.11).

For fitting the floor-tool blades (See Page 13).

# Machine Set Up

#### Fitting the Hose Guide

The vacuum hose has a U-bend clip which creates a U-bend in the hose preventing water spillage when the vacuum is switched off. If you need to remove the U-bend clip for any reason always ensure it is refitted correctly before you resume operation (Fig 36-39).



#### Filling the clean-water tank

The TT Range are all equipped with a 40 litre clean-water tank allowing large areas to be cleaning in a single fill.



To fill the clean-water tank, use the FLEXI - FILL pipe from either a tap or hose pipe (Fig.12).



The large cap on the left can be removed for filling from a bucket or suitable container (Fig.13).

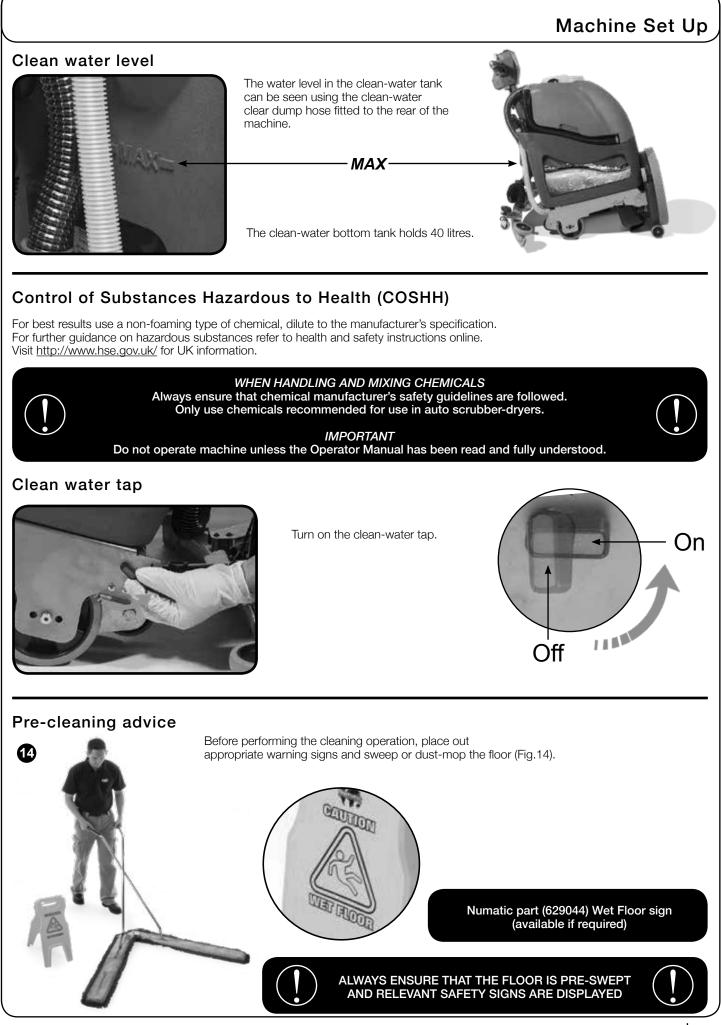


Fill the clean-water tank to a maximum of 40 litres, including cleaning chemicals if required. Follow chemical manufactures guide lines.



Note: Great care must be taken to ensure that contaminants (leaves,hair, dirt, etc) are not allowed to enter the clean-water tank during the filling process. If using a bucket or similar, ensure it is always clean and free from debris.





# **Machine Operation**

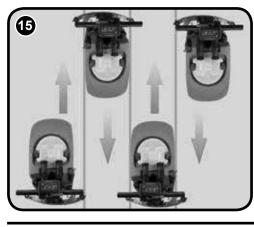
#### Pre-scrub mode

The TT Range have been designed to cope with a variety of floor types and different levels of soiling.

On heavily soiled floors use a 'double scrub' technique.

First pre-scrub the floor with the floor-tool in the raised position, allow the chemical time to work, then scrub the area a second time with the floor-tool lowered.

#### Floor-tool in use



Lowering the floor-tool

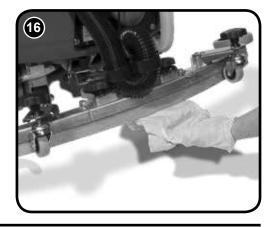
(17)

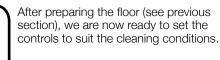
The clean-water / chemical mix is dispersed via the 'THRU-FEED' system.

The waste water is then retrieved by the floor-tool.

Overlap the scrubbing path by 10cm to ensure an even clean (Fig.15).

If streaking occurs, wipe the floortool blades clean (Fig.16).





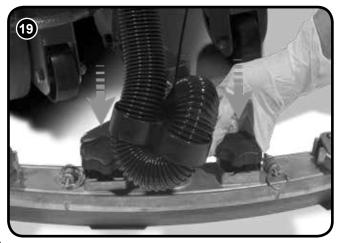
Before any settings can be applied, ensure the brush deck is lowered.

Move the floor-tool lever (see Fig.17), to it's lower position (see Fig.18).

Note: The machine will still reverse withthe floor-tool in the lowered position, this could possibly damage the blades. Raise the floor-tool before reversing.



#### Breakaway floor-tool



The floor-tool design incorporates a safety knock-off feature.

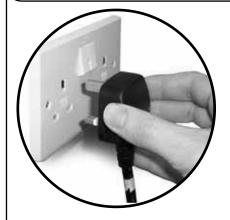
Allowing it to safely disengage from its mounting should it become caught on an obstruction, during forward machine movement.

To re-attach the floor-tool blade to its holder, first loosen the retaining knobs on the floor-tool body and slide onto the holding bracket.

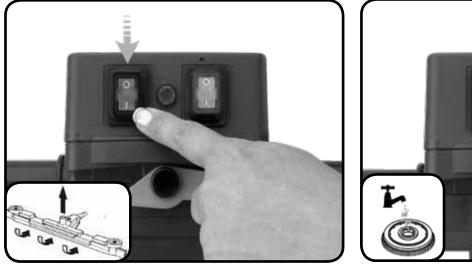
Tighten retaining knobs to finger tight (See Fig.19).

Note: Care must be taken to reduce speed when cornering or when manoeuvring around obstacles.

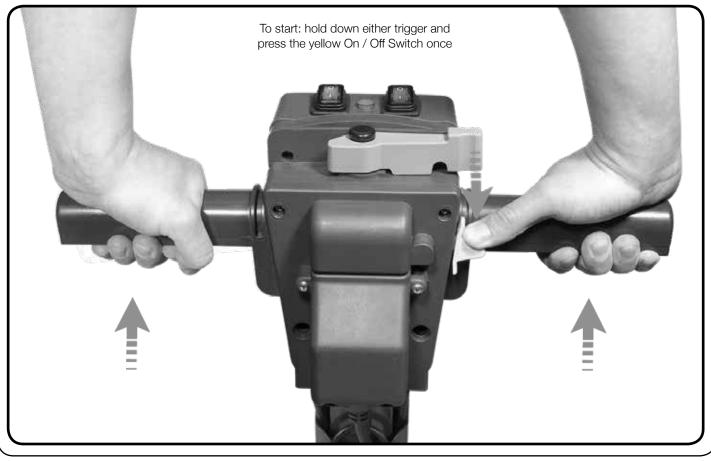
# Setting The Cleaning Controls



Ensure your TT machine has been plugged into a suitable power supply. Select the desired function using the on / off switches fitted to the handle.







# **Regular Maintenance**



#### ALWAYS ENSURE THAT THE BATTERY IS DISCONNECTED PRIOR TO ANY MAINTENANCE OPERATION

The TT Range has been designed with ease of use in mind, this included easy strippingdown and cleaning. After use, empty

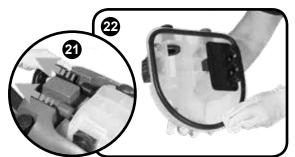
waste-water tank using emptying hose and flush out with clean-water (Fig.20).









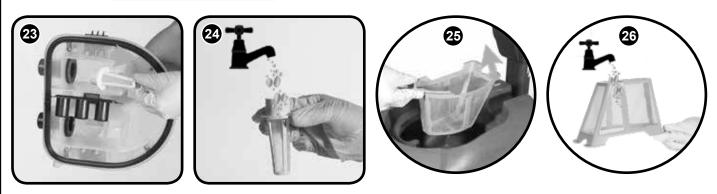


Remove the two hoses to disconnect the separator from the machine (Fig.21). Lift off the separator. The separator has a sealing-rubber which should be examined at every clean-down (Fig.22).

Rinse using clean-water.

Remove the filter fitted into the separator and flush with clean-water (Fig.23) (Fig.24).

Placed into the top tank is grey filter basket, clean and flush with clean-water (Fig.25) (Fig.26).



The bottom (clean-water) tank is attached to the chassis and should only be removed by a competent service engineer (Fig.27).

Clean by flushing with clean-water if required.

Excess water can be drained using the clear dump hose fitted to the rear of the machine.

Located under the left hand side is a clean-water filter, ensure the clean water tap is turned off before removing this filter (Fig.28).

Clean and flush with clean-water if required.



27

# Changing the Floor Tool Blades

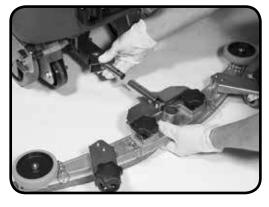


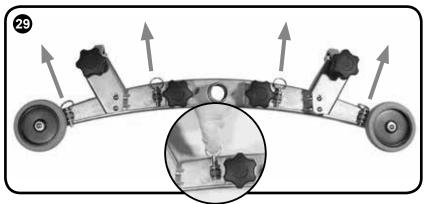
#### ALWAYS ENSURE THAT THE BATTERY IS DISCONNECTED PRIOR TO ANY MAINTENANCE



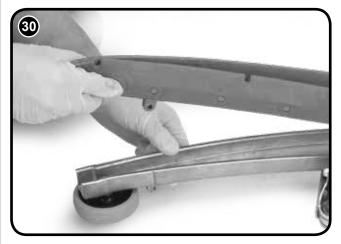
### The floor-tool

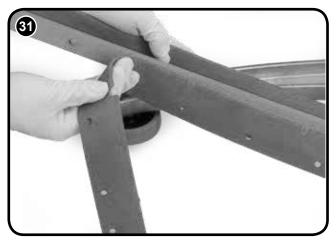
The TT range is provided with the aluminium floor-tool shown.





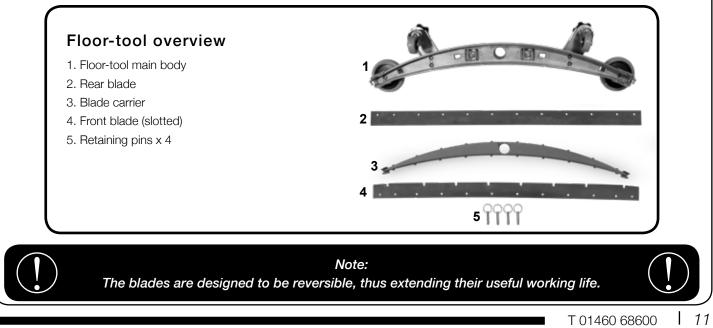
To clean the floor-tool, remove securing-pin and disconnect the lifting strap and remove the floor-tool securing pin pull-free the floor-tool from the rear of the machine. Rinse the floor-tool assembly with clean water and refit.



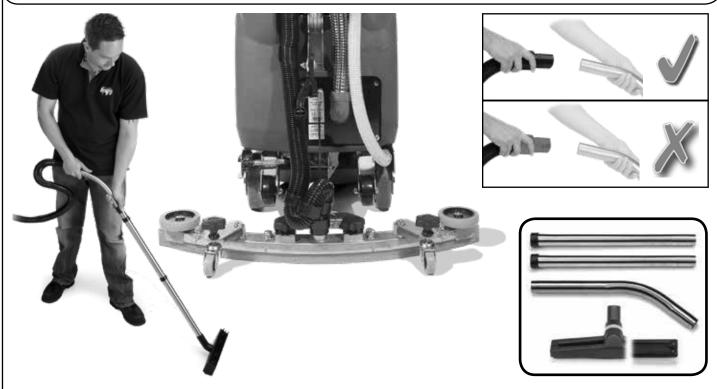


Periodically the floor-tool blades should be examined and checked for wear and damage.

The blade removal is easy. Simply start by removing the four retaining pins (see Fig.29), turn the floor-tool over and separate the blade carrier from the body (see Fig.30). Peel away the blades from their locating lugs (see Fig.31) and examine or renew as required. Replacement is a reversal of the removal process.



# Off-Aisle Cleaning Kit (Optional Extra Accessory)

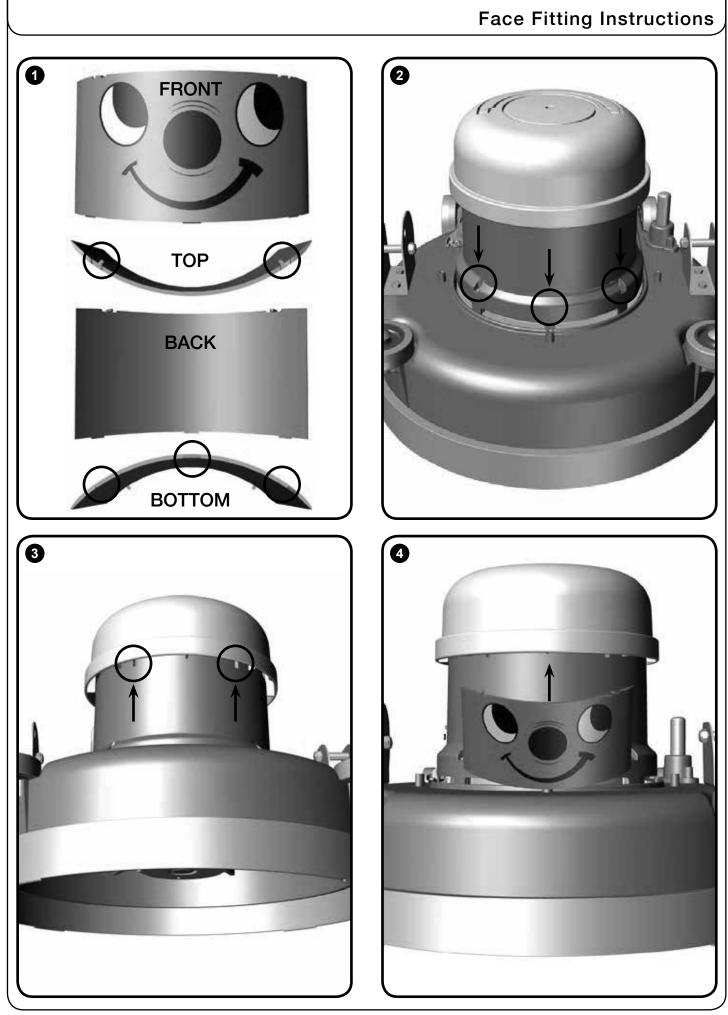


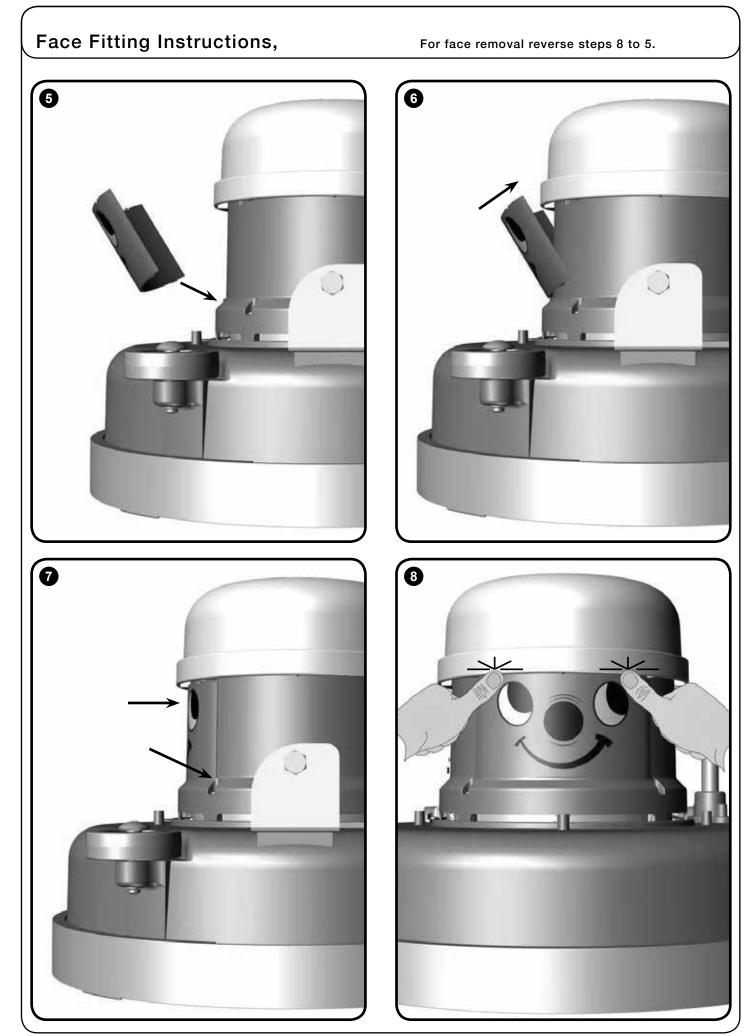
In the event of a breakdown contact your Numatic dealer or the Numatic Technical helpline +44 (0)1460 269268 (See back page for company addresses or dealers stamp)

# Specifications

			HT 4045	& TT 4045G			
Brush Motor	Vac Motor	Brush Sizes	Pad Sizes	Net Weight	Gross Weight	Protection Class	Power
1500 W	1200 W	450 mm	400 mm	67 Kg	107 Kg	IPX4	220-240V/100-120V 50-60Hz
Fluid Flow	Speed	Capacity	Cleaning Range	Cleaning Speed	Hand Arm Vibration	Noise	Size
0-2L/Min	150rpm @ 50Hz 180rpm @ 60Hz	40 L	42 m	0-4 kph	1.4 m/s²	76 ± 3 dB(A)	Width - 470mm Length - 890mm Height - 1100mm

			TT	4055G			
Brush Motor	Vac Motor	Brush Sizes	Pad Sizes	Net Weight	Gross Weight	Protection Class	Power
1500 W	1200 W	550 mm	500 mm	68 Kg	108 Kg	IPX4	220-240V/100-120V 50-60Hz
Fluid Flow	Speed	Capacity	Cleaning Range	Cleaning Speed	Hand Arm Vibration	Noise	Size
0-2L/Min	150rpm @ 50Hz 180rpm @ 60Hz	40 L	42 m	0-4 kph	1.4 m/s²	76 ± 3 dB(A)	Width - 560mm Length - 935mm Height - 1100mm





# **Trouble- Shooting**

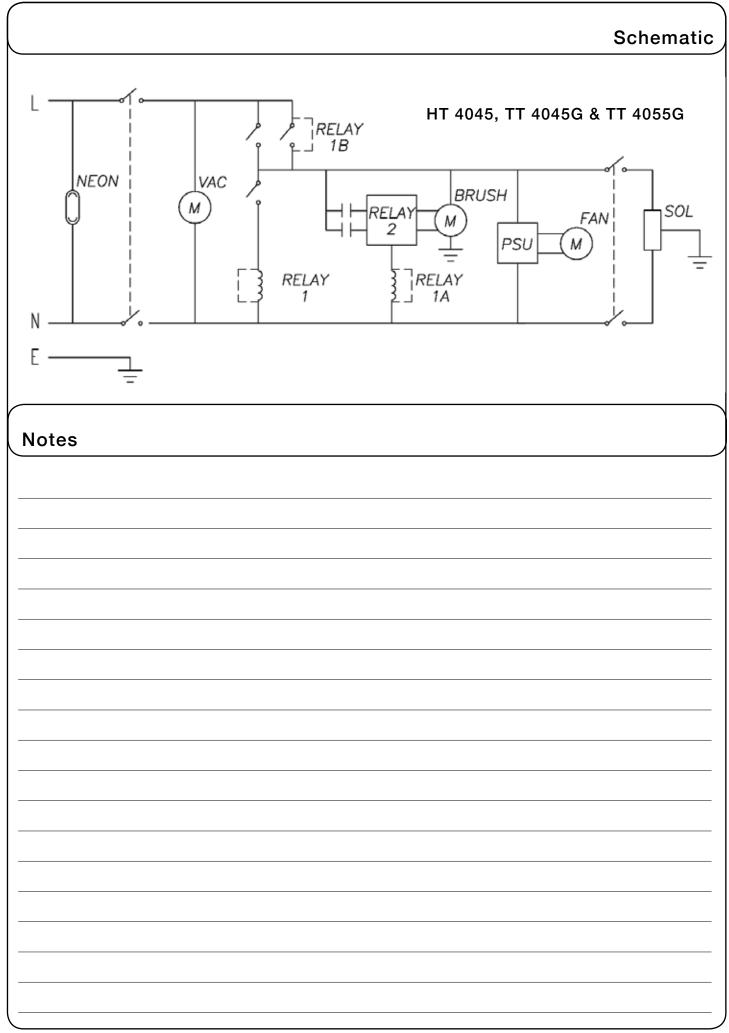
PROBLEM	CAUSE	SOLUTION
Poor water pick-up	Waste-water tank full Clogged / blocked vacuum hose Loose hose connections Debris basket filter clogged / blocked Separator filter clogged / blocked Poor separator seal Damaged separator seal Damaged / split vacuum hose Damaged floor-tool blades	Empty waste-water tank (page 12) Remove and clean Push tight connections Remove and clean (page 12) Remove and clean (Page 12) Clean and refit (page 12) Renew (contact service dept) Renew (contact service dept) Renew (contact service dept)
No brush / scrub function	No brushes fitted Brush deck raised	Check and fit (page 7) Lower brush deck (page 7)
Little or no water flow	Clean-water tank empty Clean-water tank filter blocked / clogged Brush deck raised	Fill clean-water tank (page 8) Remove and clean (12) Lower brush deck (page 7)

# Spare Parts & Accessories

Part No.	NAME	Part No.	NAME
237654	Top Tank - Blue	606203	450MM POLYSCRUB BRUSH
577839	Separator	606204	450MM NYLOSCRUB BRUSH
206953	DETENT PIN	606306	450MM LONGLIFE BRUSH
213058	Vac Hose	606028	550MM POLYSCRUB BRUSH
280019	Floor Tool Hose	606550	550MM NYLOSCRUB BRUSH
280018	Dump Hose - Top Tank	606551	550MM LONGLIFE BRUSH
213025	Dump Hose - Bottom Tank	606401	400mm PADLOC DRIVE BOARD
208960	Filler Hose - Bottom Tank	900526	500mm NULOC2 DRIVE BOARD
237718	Hose Guide	900521	650 Semi Parabolic Squeegee (4045G)
206111	Dump / Filler Closure - Bottom Tank	900522	750 Semi Parabolic Squeegee (4055G)
237268	Filler Cap Lid	900518	650 Floor Tool Blades - Green PU
207128	Filler Cap Filter	900519	750 Floor Tool Blades - Green PU
206265	Barrel Filter	236012	MAINS CABLE - UK
207000	Basket Filter	236132	MAINS CABLE - EURO
208888	Clean Water Filter	236020	MAINS CABLE - SWITZERLAND
208827	Clean Water Filter Body	236024	MAINS CABLE - SOUTH AFRICA
208890	Clean Water Filter Clear Bowl	236028	MAINS CABLE - USA
208830	Clean Water Filter Gasket	236118	MAINS CABLE - INDUSTRIAL 16 AMP
208889	Clean Water Filter Mesh	206813	SWITCH KEY



Failure to rectify the problem or in the event of a breakdown contact your Numatic dealer or Numatic Technical helpline +44 (0)1460 269268



# About the Machine

ating	Label	
1	Company Name & Address	Numatic TT XXXX o-
2	Machine Description	International Ltd
3	Power rating	2 • TT XXXX Noise
4	Voltage Frequency	XXV ~ XX HzO
5	Max Gradient	XXXXW O 4 XXXdB(A)
6	CE Mark	6 0 2% XX Kg 0 7 HAV XX m/s 0
7	Weight (ready to use)	
8	WEEE Logo	
9	Ingress Protection Rating	
10	Machine yr/wk Serial number	8
11	Machine Description	
12	Noise Rating	123456789 0 10
13	Hand Arm Vibration	

Scrubber dryer Accessories and packaging should be sorted for environmentally-friendly recycling. Only for EU countries.

Do not dispose of scrubber-dryer into household waste.

According to the European Directive 2002/96/EC on waste electrical electronic equipment and its incorporation into national law.

Scrubber-dryers that are no longer suitable for use must be separated, collected and sent for recovery in an environmentally-friendly manner.

Ear Protection	Safety Footwear	Head Protection	Safety Gloves	
(D)	(B)			WEET FROM
Dust / Allergens Protection	Eye Protection	Protective Clothing	Hi-Vis Jacket	Caution Wet Floor Sign

Mains lead: H05VV-F - 3 x 1.5mm In the event of a breakdown contact your Numatic dealer or the Numatic Technical help line +44 (0)1460 269268

o

#### **ORIGINAL INSTRUCTIONS READ MANUAL BEFORE USE**

## Information for Scrubber Dryer

Component	Interval	Inspect for
Mains Lead	DAILY	Scuffing, cracks, splits, conductors showing
Brushes	DAILY	Bristle damage, wear, drive collar wear
Squeegee Blade	BEFORE EACH USE	Wear, cracks, splits
Filters	BEFORE EACH USE	Clogging and debris retention
Tanks	AFTER EACH USE	Rinse dirty water tank after use



As with all electrical equipment care and attention must be exercised at all times during its use, in addition to ensuring that routine and preventative maintenance is carried out periodically in order to ensure its safe operation.

Failure to carry out maintenance as necessary, including the replacement of parts to the correct standard could render this equipment unsafe and the manufacturer can accept no responsibility or liability in this respect. When ordering spare parts always quote the Model Number / Serial Number specified on the Rating Plate.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Only use brushes provided with the appliance or those specified in the instruction manual.

The use of other brushes may impair safety.

A full range of brushes and accessories are available for this product.

Only use brushes or pads which are suitable for the correct operation of the machine for the specific task being performed.

It is essential that this equipment is correctly assembled and operated in accordance with current safety regulations.

When using the equipment always ensure that all necessary precautions are taken to guarantee the safety of the operator and any other persons who may be affected.

Wear non-slip footwear when scrubbing. Use a respiratory mask in dusty environments.

The machine, while charging, must be positioned so that the mains plug is easily accessible.

When cleaning, servicing or maintaining the machine, replacing parts or converting to another function the power source shall be switched off. Mains operated machines shall be disconnected by removing the power plug, and battery operated machines shall be disconnected by switching off the isolating key.

Machines left unattended shall be secured against unintentional movement. When detergents or other liquids are used, read the manufacturer's instructions. Do not allow the supply cord to come into contact with the rotating brushes. Operators shall be adequately instructed as to the correct use of the machine.



This machine is not suitable for picking-up hazardous dust. Do not use on surfaces having a gradient exceeding that marked on the appliance. The machine is not to be stored outdoors in wet conditions.

This machine is for indoor use only.

Ensure only compotent parcons uppack/accomble the machine

Read the instruction manual before using the appliance.

This product meets the requirements of IEC 60335-2-72.

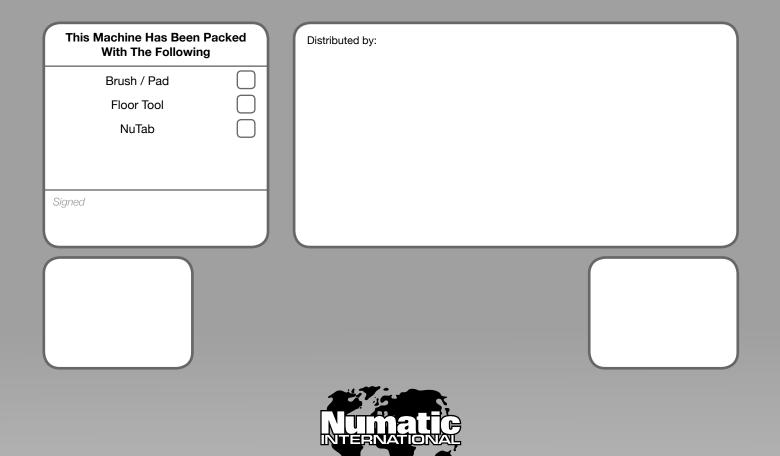
NOTE: This machine is also suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices for other than normal housekeeping purposes.

DO	<ul> <li>Ensure only competent persons unpack/assemble the machine.</li> <li>Keep your machine clean.</li> <li>Keep your brushes in good condition.</li> <li>Replace any worn or damaged parts immediately.</li> <li>Regularly examine the power cord for damage, such as cracking or ageing. If damage is found, replace the cord before further use.</li> <li>Only replace the power cord with the correct Numatic approved replacement parts.</li> <li>Ensure that the work area is clear of obstructions and / or people.</li> <li>Ensure that the working area is well illuminated.</li> <li>Pre-sweep the area to be cleaned.</li> </ul>
<b>X</b> DON'T	<ul> <li>Use steam cleaners or pressure washers to clean the machine or use in the rain.</li> <li>Attempt machine maintenance or cleaning unless the power plug has been removed from the supply outlet,</li> <li>Allow any inexperienced repairs. Contact your nearest service centre.</li> <li>Strain cable or try to unplug by pulling on cable.</li> <li>Leave the brush deck in the lowered position when not in use.</li> <li>Allow the machine to be used by inexperienced or unauthorised operators or without appropriate training.</li> <li>Use the machine to provide trouble-free, reliable operation unless maintained correctly.</li> <li>Lift or pull the machine by any of the operating triggers, use the main handle.</li> <li>Remove the handle from the machine except for service and repair.</li> <li>Use on surfaces having a gradient exceeding that marked on the machine.</li> <li>Run the machine over any power cables during operation.</li> </ul>

**EU Declaration of Conformity** 

-
~
سن
-
g
<u> </u>
<u>ب</u>
Ē
>
<

EU DECLARATION OF	
CONFORMITY	
We hereby declare under our sole responsibility that the following equipment fulfils all the relevant provisions of the following EU Directives	Marranty
Machinery Directive 2006/42/EC EMC Directive 2014/30/EU RoHS Directive 2011/65/EU	Numatic International Limited warrant to the original purchaser that its products are free of defects in both material and workmanship for the period shown below
Machine Description: Scrubber Dryer Machine Trune: TT ET HT Scries	Note: This warranty expressly excludes consumable parts such as carbon brushes, floor brushes, mops, batteries etc, that are considered replaceable from time to time during the normal working life of the machine. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a
Relevant standards upon which conformity is declared include:	reglacement or refued for a major failure and for componention for any other reasonably foresceebed loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a more failure.
EN 60335-1: 2012 + A11:2014	The benefits under (Our Warranty) are in addition to other rights and remedies under a law in relation to the (goods/services)
EN 60335-2-72: 2012 EN 55014-1: 2006 + A1:2009 + A2:2011	A. The warranty period commences from the date the goods are purchased. We advise all purchasers to retain their invoice as proof of purchase.
EN 55014-2: 1997 +A1:2001 + A2:2008 EN 61000-3-2: 2014 EN 61000-3-3: 2013	8. All warranty claims must be processed through either the Dealer from whom the equipment was originally purchased or another authorised Edgar Edmondson Pty Ltd Australia dealer. The Dealer will co-operate with the purchaser throughout the warranty claims procedure and will arrange any necessary repairs using genuine Numatic parts.
	C. If the original Dealer is no longer able to fulfit his obligations please contact Edginr Edmondson Pty Lid Australia with full details of the claim and proof of purchase so that this may be processed without delay.
	<ol> <li>Any warranty claim can only relate to the specific part that is proven to be at fault and for which a registrement will be supplied but cannot be extended to constitute a claim against the complete machine.</li> </ol>
	E. Edgar Edmondson Pty Ltd Australia will supply the Dealer with any warranty parts required, subject to the claim being validated.
	F. Claims will not be accepted if they are the result of fair wear and tear, misuse or abuse of any kind.
A technical construction file for this equipment is retained at the manufacturer's address under the authorisation of the following signatory:	G. No replacement will be given unless the appropriate evidence of the validity of the claim has been provided to the satisfaction of Edgar Edmondson Pty Ltid Australia. H. Edgar Edmondson Pty Ltid Australia reserve the right to charge for any work carried out as a result of an invalid claim.
Allyn Boyes Position: Development Manager	<ol> <li>No variation to this warranty may be made or implied by any member of Edgar Edmondson Pty Ltd Australia or its Dealers unless such variation is in writing and authorised by the Company.</li> </ol>
And also lit	Australian Importer.
ţţ	Legur Edmontano Pry Lat Head Office Delivery and Shighing Address A PolSear 193 18 Gaudin St. Municivity National Municivity Manual Municivity Manual Munici
	244030 10/21 (A03)





Numatic International Limited. Chard, Somerset TA20 2GB ENGLAND Tel.: 01460 68600 www.numatic.co.uk

Edgar Edmondson Pty Ltd

Head Office PO Box 198 Marrickville NSW 1475 AUSTRALIA Delivery and Shipping Address 18 Garden St Marrickville NSW 2204 AUSTRALIA Office Number: 1800 BUY MOP Fax Number: +61 (0)2 9519 9223 E-Mail: orders@edmondson.net.au

ABN: 27 000 450 144



This Product has been comprehensively inspected and checked during every stage of its manufacture. including an in-depth electrical safety and functionality test.

Specification subject to change without prior notice www.numatic.co.uk © Numatic International Limited

244466 02/18 (A11)