



Instruction manual

Scrubmaster B12 (7745.02)

*Dear Customer,
Thank you for choosing one of our cleaning products.*

The floor scrubber dryer that you have purchased has been designed to satisfy the user in terms of ease of use and reliability over time.

We are aware that in order for a good product to stay that way, over time, it requires continuous updates aimed at meeting the expectations of those who use it on a daily basis. For this reason, we hope that you will not only be a satisfied customer but also a partner who does not hesitate to give us your opinions and ideas originating from your personal day-to-day experience.

Before the first use of your floor scrubber read this original instruction manual, then operate and keep this instruction manual for later use or for next owners.

Contents

1.1 Introduction	EN-4
1.1.a Purpose of the manual	EN-4
1.1.b Consulting the manual	EN-4
1.1.c Key to symbols used in the manual	EN-4
1.1.d Conventional terminology	EN-4
1.2 General warnings	EN-4
1.2.a Personnel qualifications	EN-4
1.2.b Operator position	EN-5
1.2.c Protective clothing	EN-5
1.2.d General warnings before use	EN-5
1.2.e General warnings while using the machine	EN-5
1.2.f General warnings about the batteries	EN-5
1.2.g General warnings during maintenance	EN-5
1.2.h General warnings in the event of a fire	EN-5
1.2.i Prolonged machine standstill	EN-6
1.3 Intended machine use	EN-6
1.4 Non-intended machine use	EN-6
1.4.a Zone with risk of explosion	EN-6
1.5 Demolishing the machine	EN-6
1.6 Reference standards	EN-6
2.1 Unpacking	EN-7
2.1.a Standard machine equipment	EN-7
3.1 Assembling the components	EN-7
3.1.a Positioning of the handle	EN-7
3.1.b Connecting the batteries	EN-8
3.1.c Assembling the brush	EN-9
4.1 Charging the battery	EN-10
5.1 Getting to know the machine	EN-11
6.1 Control panel	EN-12
7.1 Lever for handle angle regulation	EN-13
8.1 Filling the tank	EN-14
9.1 Operation	EN-15
9.1.a Checks before use	EN-15
9.1.b Preparing the machine and choosing the cycle	EN-15
9.1.c Using the machine	EN-16
9.1.d End of use and switching off	EN-16
9.1.e Warnings while using the machine	EN-17
9.1.f Timer	EN-17
10.1 Draining the recovery water	EN-18
11.1 Maintenance and cleaning	EN-19
11.1.a Emptying and cleaning the clean water tank	EN-19
11.1.b Cleaning the recovery water tank	EN-20
11.1.c Cleaning the squeegee	EN-21
11.1.d Cleaning the clean water filter	EN-22
11.1.e Replacing the brush	EN-22
11.1.f Replacing the squeegee rubber blades	EN-23
11.1.g Squeegee incidence set up	EN-23
11.1.h Replacing the fuses	EN-24
Troubleshooting	EN-25

Technical data

Type of use.....Operator on ground

Characteristics

Operation Batteries
 Type of batteries.....N° 2 - 12V - 25Ah - (C5)
 Type of electric cable.....-
 Power supply.....24V Gel or AGM battery
 Length of electric cable.....-
 Installed load510 W
 Forward movement.....Manual
 Washing width.....385 mm
 Drying width.....450 mm
 Theoretical hourly working capacity1100 m²/h

Brushes

Diameter / pad / number.....385 mm / 15" x 1
 Motor power / number.....260 W x 1
 Motor speed.....130 rpm.
 Specific pressure.....35 g/cm²

Traction

Maximum gradient which can be overcome at full load.....2 %

Aspiration

Motor power.....250 W
 Negative pressure (water column).....68 / 700 mbar / mmH₂O
 Air flow rate.....28 l / sec
 Noise level.....65 dB (A)

Tank

Type.....Dual tank
 Recirculation.....No
 Solution capacity16 l
 Recovery capacity22 l

Dimensions (l x h x b)800 x 1100 x 400 mm

Noise

Operator sound pressure levelLp (A) 65,9 dB(A)
 Combined uncertainty.....kpA = 0,75 dB(A)

Vibrations

Level of vibration transmitted to
 hand/arm (ISO 5349).....1.61 m/s²
 Combined uncertainty.....kv = 6.3%

Weight

Empty weight.....39 kg
 Weight with batteries.....61 kg
 Full load weight.....77 kg

1.1 INTRODUCTION

The manual is an integral part of the machine itself; it must therefore be stored carefully in a safe place which is accessible to all users (operators and personnel in charge of maintenance) for the entire machine life until demolition.

1.1.a - Purpose of the manual

The purpose of the manual is to provide the instructions necessary for putting into service, using and maintaining the machine with which it is enclosed.

It is advisable to read the instructions carefully and comply with the safety standards described in the manual to the letter.

The non-observance of these instructions/standards may cause damage to the machine and injury to the operator for which under no circumstances is the manufacturer responsible.

The safety information described in the manual supplements and DOES NOT REPLACE standards in force in the country in which the machine is used.

1.1.b - Consulting the manual

The manual is divided into chapters according to a logical order of knowledge and use of the machine.

For help with finding a specific topic, first consult the CONTENTS shown at the beginning of the manual.

1.1.c - Key to symbols used in the manual

In order to highlight information and procedures regarding safety, maintenance etc., the following symbols have been adopted in the manual:



DANGER:

Warns of a serious, even fatal danger for the safety of the operator and/or third persons.



WARNING:

Extremely important information in order to prevent serious damage to the machine and the environment in which it operates.



N.B.:

Additional information for correct machine operation or of a general nature.

1.1.d - Conventional terminology

The terms front, rear, forward, back, upper, lower, left and right refer to the operator in the working position with his/her hands on the guide handle.

To simplify, the brand name of the model has been replaced with "Machine".

The machine comes in two versions:

- BC: version with batteries
- E: version with electric cable

1.2 GENERAL WARNINGS

Before putting into service, using and maintaining the machine, it is necessary for the persons involved (persons in charge and operators) to be trained regarding the operating procedures and safety standards shown in this manual.

Respect all the provisions contained in the manual and in any enclosed documentation.



DANGER:

It is forbidden for untrained personnel, children and disabled persons to use the machine.

1.2.a - Personnel qualifications

Operator

The term operator refers to a generic worker able to perform simple operations such as running the machine and carrying out the relative cleaning at the end of the working shift.

Electrical/mechanical maintenance technician

A technician qualified to operate on the machine in order to repair or replace parts which require the removal of the protective cover.

1.2.b - Operator position

While using the machine, the operator is position at the rear of the machine with his/her hands on the handle.

1.2.c - Protective clothing

- Use protective clothing as indicated in the standards in force in the country in which the machine is used.

1.2.d - General warnings before use

- Before using the machine, check that the fixed safety guards (covers) are always correctly secured in position.

1.2.e - General warnings while using the machine

- If the machine makes strange noises, stop it immediately and identify the cause.
- Do NOT abandon the machine on surfaces which slope by more than 2%.
- While using the machine, do not knock into shelving or cupboards.
- It is forbidden to use the machine outdoors or on public roads.
- If possible, use the machine in environments where no persons are present; in the present of unauthorised persons, warn them to move away before using the machine.
- Do not use the machine in environments with the presence of corrosive or salty substances.
- Do not use the machine in explosive environments (ATEX).
- It is not advisable to use an adaptor, multiple sockets, or an extension cord.
- If the electrical cord of this appliance is damaged, it must be replaced by an Authorized Customer Service Centre.

1.2.f - General warnings about the batteries

- Use appropriate personal protection equipment to avoid contact with the skin (see standards in force in the country in which the machine is used).
- Do not inhale the vapour: it is dangerous.
- It is forbidden to smoke and/or use naked flames within 2 metres of the battery during charging, in the charging area and while the battery is cooling after charging.
- Report any liquid leaking from the battery: leaks are dangerous and highly polluting.
- Use only sealed GEL or AGM batteries.
- Batteries must be replaced only by qualified personnel.

1.2.g - General warnings during maintenance

- Disconnect the batteries before performing maintenance and repair operations.
- Do not rest tools and metal objects on the batteries; danger of short circuits.
- Do not use aggressive detergents, acid, lye etc. during cleaning and washing and take particular care with electrical parts.
- Do not wash the machine with direct or pressurised jets of water.
- When the machine must be lifted for any maintenance operations, it is necessary to work safely by placing fixed supports underneath it.
- Contact an authorised support centre for repairs and request ORIGINAL spare parts only.

1.2.h - General warnings in the event of a fire

- In the event of a fire, use approved powder extinguishers only; do NOT use water to put out the fire.

1.2.i - Prolonged machine standstill

- Place the machine under cover, sheltered from atmospheric agents in a place where the temperature is between 5°C and +40°C.
- Remove the ignition key.
- Drain the clean water contained in the tank.
- Charge the batteries and, once they are charged, disconnect them from the charger.
- Charge the batteries once a month.

1.3. INTENDED MACHINE USE

The machine has been designed and manufactured for cleaning indoor floor surfaces.



DANGER:

Any other use releases the manufacturer from responsibility for damage or injury to persons and/or things and invalidates any warranty condition.

1.4 - NON-INTENDED MACHINE USE



WARNING:

The machine is not intended for outdoor use.



DANGER:

- washing floors with water which is hotter than 50°C;
- using diesel/petrol or corrosive detergents to wash floors;
- washing and sucking up corrosive, flammable and/or explosive liquids, even if diluted.

1.4.a - Zone with risk of explosion

It is strictly forbidden to use the machine in environments where there is a risk of explosion with the presence of flammable and explosive gases, vapours, liquids and powders.

1.5. DEMOLISHING THE MACHINE

In order to protect the environment, proceed in compliance with local standards in force. When the appliance can no longer be used or repaired, proceed with the separate disposal of its components.



Electrical equipment cannot be disposed of as urban waste and it is necessary to dispose of it separately as introduced by the special regulation regarding the disposal of waste originating from electrical equipment (Italian Legislative Decree no. 151 of 25/7/05 - 2002/96/EC - 2003/108/EC).

The electrical equipment is marked with a symbol showing a wheeled bin with a cross on it. The symbol indicates that the equipment was put on the market after 13 August 2005 and that it must be disposed of separately.

In consideration of the substances and materials contained, inadequate or abusive disposal of the equipment or its improper use may cause damage or injury to persons and the environment.

Disposal of electrical waste which does not respect the standards in force leads to the application of administrative sanctions and penalties.

1.6. REFERENCE STANDARDS

This machine has been built in compliance with the machine directive in force and in accordance with the standards contained in the EC Declaration of Conformity supplied with the machine.

2.1 UNPACKING (Fig. 1)

Once the packaging has been removed as shown in the instructions on the packaging itself, check that the machine and all the components supplied are intact.

If any evident damage is found, contact the area agent and the carrier within 3 days of receipt

- Remove the pack (1) containing the accessories supplied.

2.1.a - Standard machine equipment (Fig. 2)

The accessories supplied are as follows:

- 1) Water filling hose.
- 2) Machine use and maintenance manual.
- 3) Battery charger instruction manual
- 4) Filter for clean water tank opening.
- 5) 30A fuse.

3.1 ASSEMBLING THE COMPONENTS

3.1.a - Positioning of the handle (Fig. 3)

- Unlock the handle (1) pulling the lever (2) and lift it placing it in the desired position.

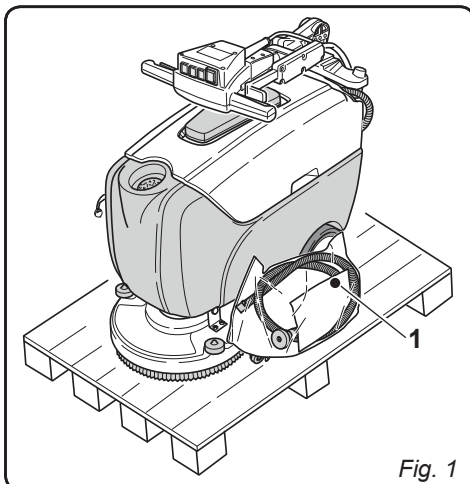


Fig. 1

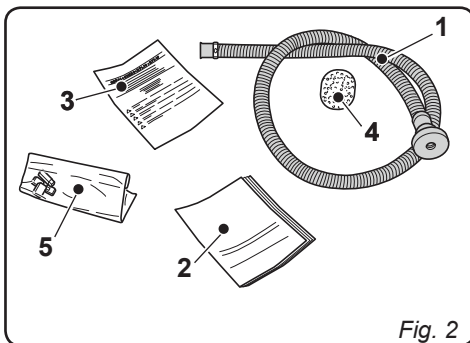


Fig. 2

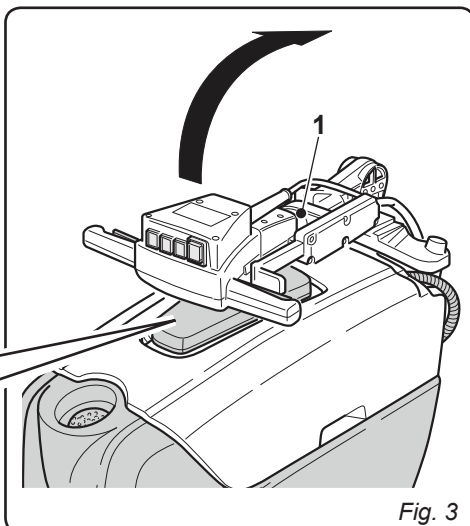
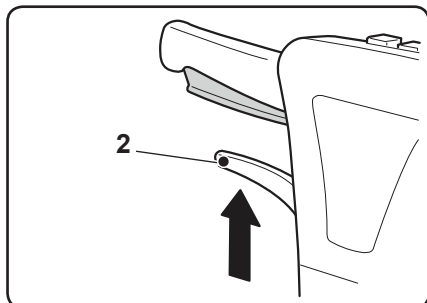
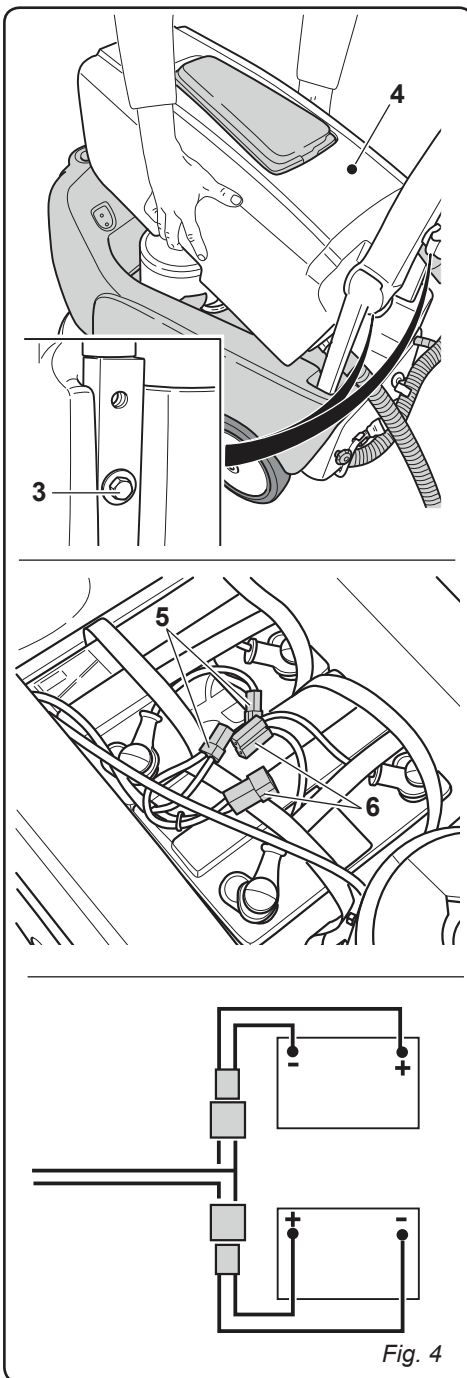


Fig. 3

3.1.b - Connecting the batteries (Fig. 4)

- Unscrew the bolts (3) that fasten the tank (4) to the handle support.
- Remove the recovery water tank (4) and connect the battery connectors (5) and (6).
- Replace the recovery water tank (4).



3.1.c - Assembling the brush (Fig. 5)

- Position the brush (1) on the ground.
- Lift the front of the machine up by levering the handle (2) and remove the polystyrene support (3).
- Position the flange (4) above the brush (1).
- Press the button (5) that illuminates, then, for starting the rotation of the brush, press the levers (6) until hearing the coupling "Click" of the attachment of the brush, then release levers (6) and press the button (5) and the light turns off.



WARNING:

Use only brushes provided by the manufacturer according to the model of the machine.

Using other types of brushes may compromise the safety of the machine.

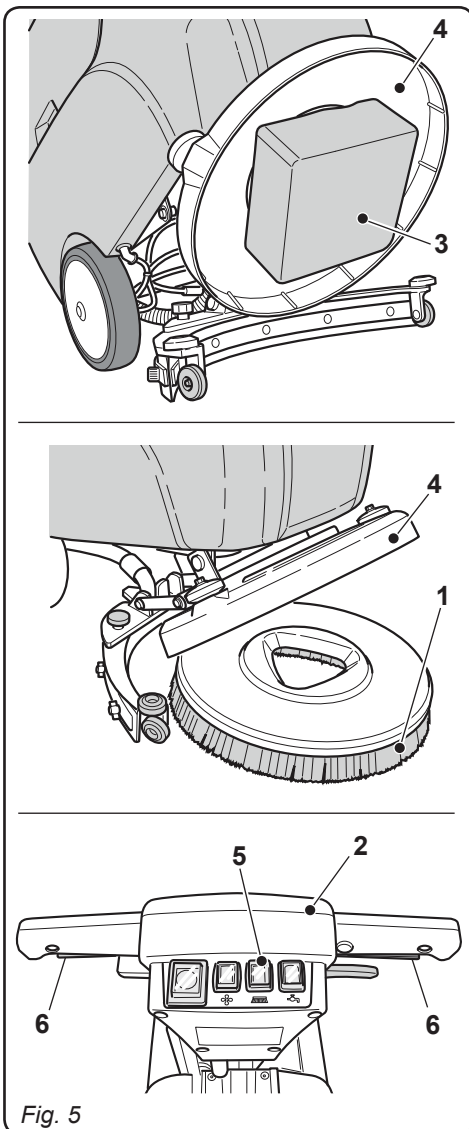


Fig. 5

4.1 CHARGING THE BATTERY (Fig. 6)



DANGER:

Charge the batteries in well-ventilated areas which comply with standards in force in the country of use.

For safety-related information, follow what is described in chapter 1 of this manual.



WARNING:

For information and warnings about the battery and the battery charger, follow what is described in the battery and battery charger manual enclosed with this document.

- Move the machine to the vicinity of a main electrical socket.
- Unwind the cable (2) and connect it to the outlet.



WARNING:

Check that the mains voltage is compatible with the operating voltage of the battery charger.

- Leave the batteries to charge until the "Green" LED (4) comes on, then remove the power cable (2) and wind it up in the specific support.



N.B.:

10 hours are needed for complete battery charging.

Avoid partial recharges.



AVVERTENZA:

- Accertarsi che l'impianto elettrico di rete sia provvisto di interruttore differenziale (tipo salvavita).
- Unwind the electric power cable completely before connecting it to the mains socket.
- Utilizzare una prolunga elettrica solo se in perfetto stato; assicurarsi che la sezione sia appropriata alla potenza dell'apparecchio.
- Non lasciare mai scorrere il cavo di alimentazione su spigoli taglienti ed evitare di schiacciarlo.
- The socket must be easily accessible.

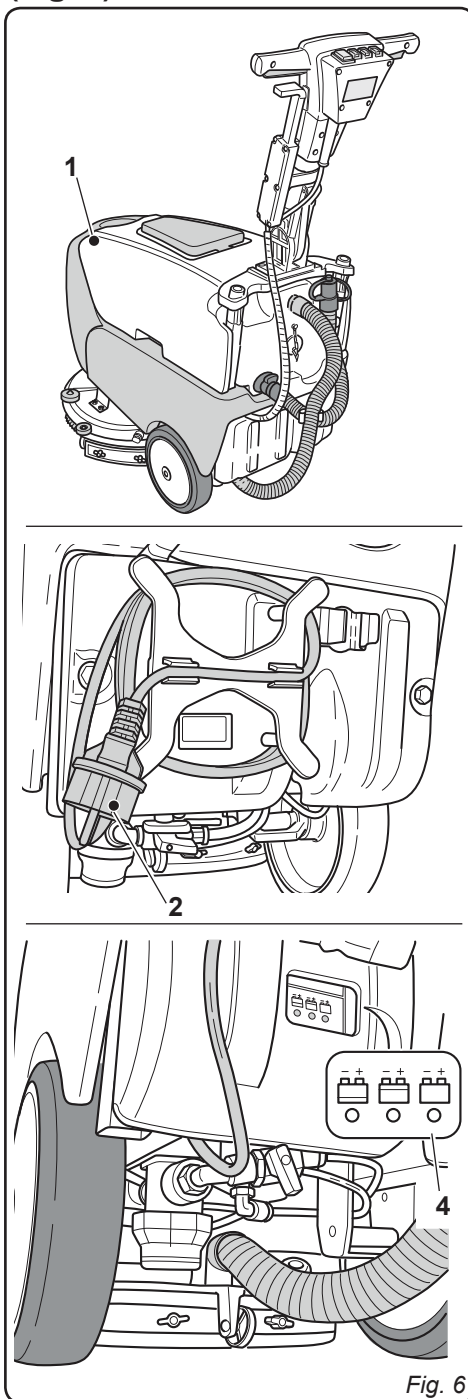


Fig. 6

5.1 GETTING TO KNOW THE MACHINE (Fig. 7)

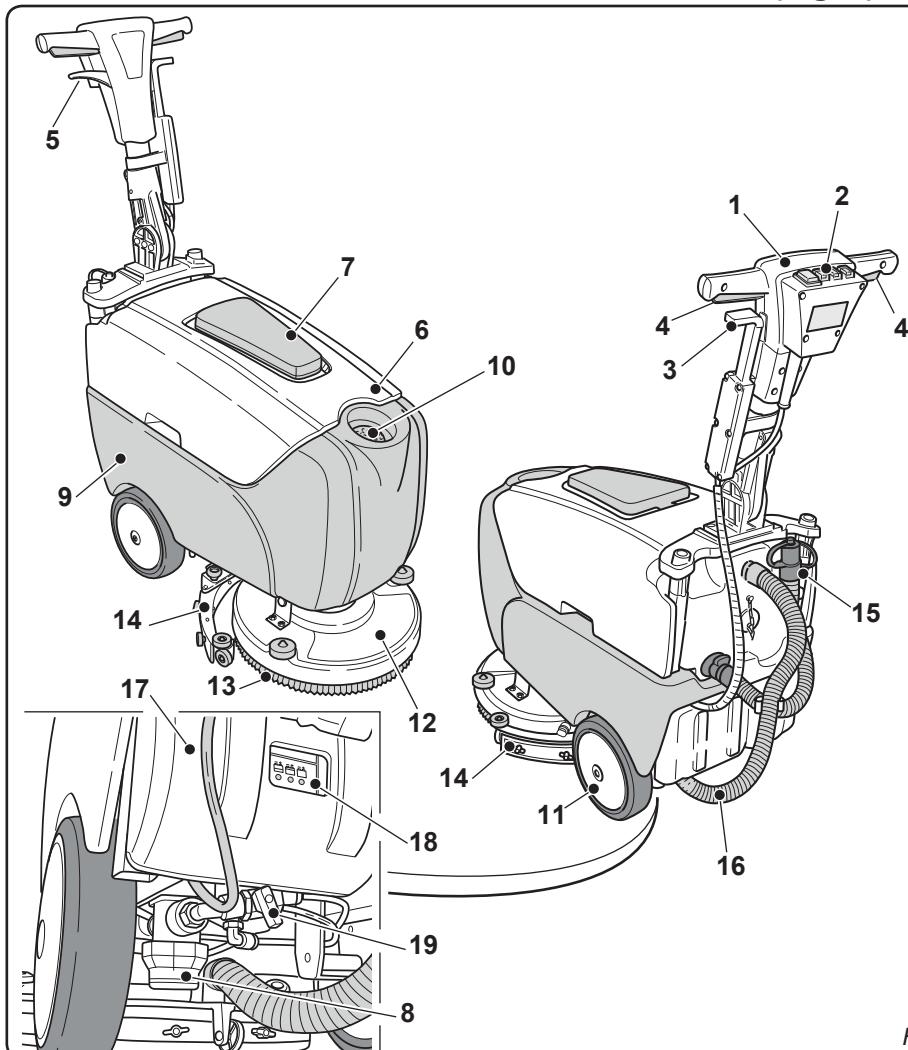


Fig. 7

- | | |
|---|-------------------------------------|
| 1) Guide handle. | 11) Wheels. |
| 2) Control console. | 12) Brush rotation flange. |
| 3) Squeegee activation lever. | 13) Brush. |
| 4) Lever for starting brush rotation and/or dispensing water. | 14) Squeegee. |
| 5) Lever for rotating handle positions. | 15) Recovery water drain hose. |
| 6) Recovery water tank. | 16) Squeegee water aspiration hose. |
| 7) Recovery water tank cover. | 17) Battery charger. |
| 8) Water filter. | 18) Battery charger indicator. |
| 9) Clean water tank. | 19) Water regulation tap. |
| 10) Clean water filling opening. | |

6.1 CONTROL PANEL

(Fig. 8)

1) LEDs status of battery charge

The button (3) is illuminated when pressed, indicating the charging status of the battery.

- When the LED (1c) is illuminated, it indicates that the battery charge status is at maximum.
- When the LED (1b) is illuminated, it indicates that the battery charge status is at about half.
- When the LED (1a) is illuminated (red LED), it indicates that the battery charge status is at minimum.

With the battery discharged [red LED (1a) illuminated], the machine turns off or will not start and the LED "R" of the battery charger flashes for a few seconds; the battery needs recharging.

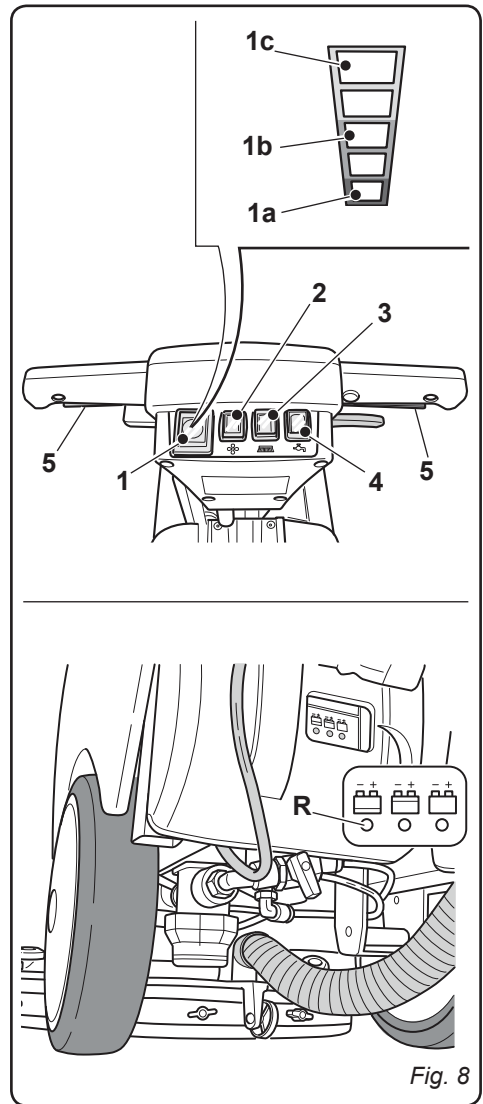


Fig. 8

2) Aspirator button

On pressing the button (2) it illuminates and the functioning of the aspirator starts.

The functioning of the aspirator is enabled by pressing the button (3).

3) Brush rotation button

On pressing the button (3) it illuminates and tension is fed to the circuits and rotation of the brush is enabled.

The starting of rotation of the brush is controlled by pressing levers (5).

4) Water dispensing button

On pressing the button (4) it illuminates and enables the dispensing of water for washing pavement.

The dispensing of water is controlled both by the switch (3) and by pressing the levers (5).

5) Brush rotation and/or water dispensing lever

Pressing the levers (5) and holding them pressed, starts the rotation of the brush and, if enabled, the dispensing of water.

7.1 LEVER FOR HANDLE ANGLE REGULATION (Fig. 9)

- By pulling on the lever (1), it is possible to vary the position of the handle (2); releasing the lever, the handle is positioned and locks in the nearest required position.



N.B.:

By positioning the handle (2) vertically, it is possible to effect a more thorough cleaning of corners by rotating the machine on itself.

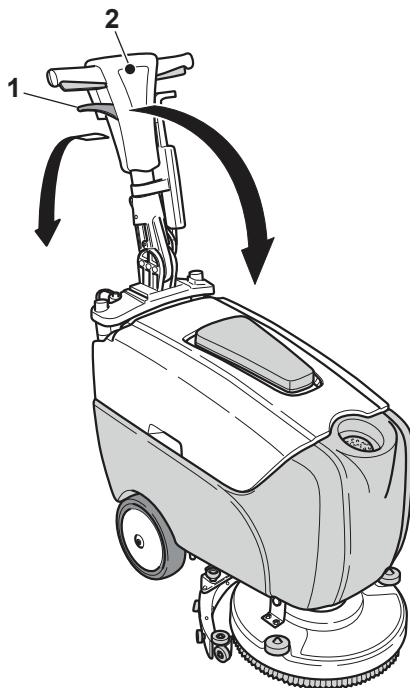


Fig. 9

8.1 FILLING THE TANK

(Fig. 10)



WARNING:

Only add clean mains water to the tank at a temperature no greater than 50°C.

- Remove the hose (1) supplied, connect one end (1a) to a tap and insert the other end (1b) in the tank (2).
- Turn on the tap and fill the tank (2).
- Pour the liquid detergent into the tank.



N.B.:

Use non-foamy detergents only. For the quantities, follow the instructions provided by the detergent manufacturer according to the type of dirt.



DANGER:

If the detergent comes in contact with the eyes and/or skin or if swallowed, refer to the use and safety information booklet provided by the manufacturer of the detergent;

- Once tank filling is complete, it is possible to:
Insert the hose (1) into the tank (2) fully where the end (1a) acts as a cap; or remove the hose (1) fully and insert the filter (3) supplied into the tank (2) opening.

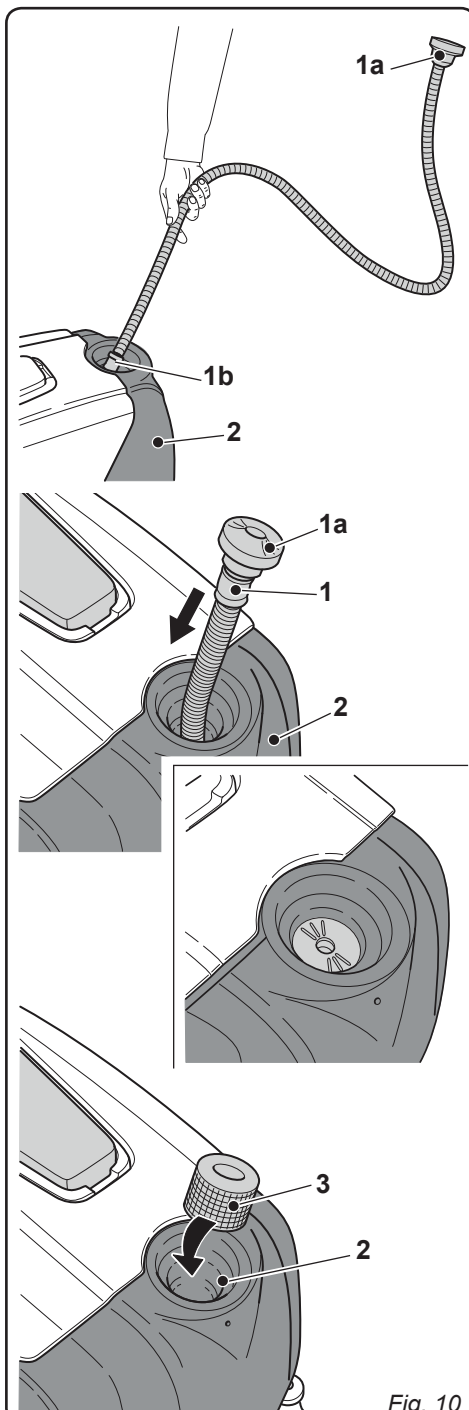


Fig. 10

9.1 OPERATION

(Figs. 11-12)

9.1.a - Checks before use

- Check that the exhaust tube (1) of the recovery tank is properly coupled and properly sealed.
- Check that the squeegee water aspiration hose (2) is correctly inserted in the recovery tank.
- Check that the connector (3) on the squeegee (13) is not blocked and that the hose is connected correctly.
- To check the status of the battery charge; press the switch (4), controlling the LEDs (5) indicator.

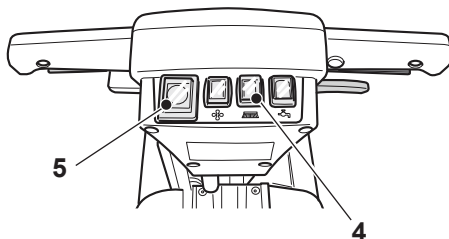
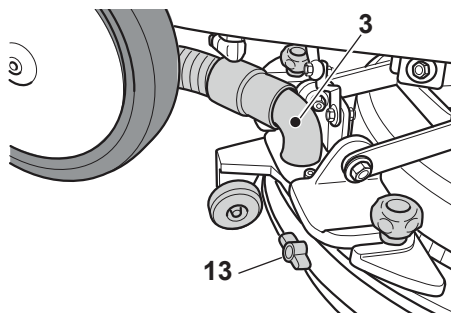
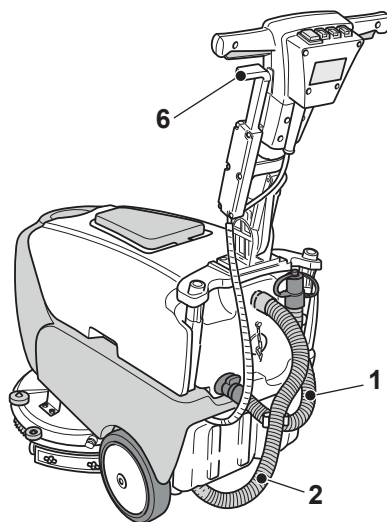


Fig. 11

9.1.b - Preparing the machine and choosing the cycle

- Press the button (4) that illuminates.
- Pull the lever (6) and release it, it lowers the squeegee.

Working cycle:

- The machine can perform 4 working cycles:

Drying only cycle:

- To perform the drying cycle only, press button 7. The aspirator starts up.

Brushing only cycle:

- To effect only the brushing cycle, press the levers (8), releasing the levers (8) stops the brush.

Washing, brushing cycle:

- Press the button (9) to prepare for the dispensing of water, then press levers (8) to start the cycle.

Washing, brushing, drying cycle:

- Press the button (7) to start the aspirator, the button (9) to prepare the dispensing of water, then press the levers (8) to start the cycle.

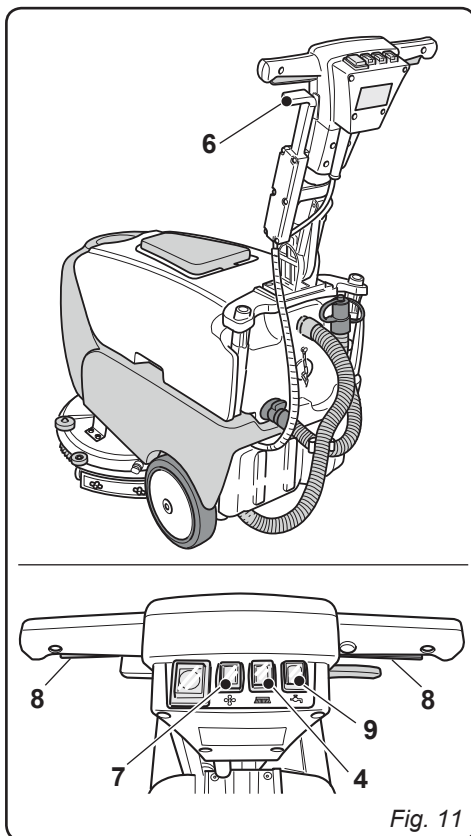


Fig. 11

9.1.c - Using the machine



WARNING:

The machine can be operated only for 20 minutes consecutively.

Before using the machine again, keep it switched off for 25 minutes at least.

- After having started the machine and selected the type of cycle, start the cleaning operation by pressing the levers (8) and holding them pressed to start rotation of the brush and the dispensing of water, then push the machine by means of the handles (10) in the handle bar (11).



N.B.:

Releasing the levers (8) stops the rotation of the brush and the dispensing of water.



N.B.:

To avoid damaging the floor, do not use the machine in a fixed position with brush rotation activated



N.B.:

The correct way of cleaning and drying the floor is to move the machine forwards. Moving the machine backwards damages the blades as well as not allowing correct aspiration of the water present on the floor.

- If necessary, adjust the quantity of washing water using the tap (12).
- Check the status of the battery charge by the indicator (5).

9.1.d - End of use and switching off

- At the end of the cleaning operation and before turning off the machine, stop the dispensing of water and the rotation of the brush by releasing levers (8) and pressing the button (9) to continue with the aspirator to remove all of the liquid present on the floor, and then turn off the aspirator by pressing button (7).
- Raise the squeegee (13) by pulling the lever (6) and releasing it, the lever remains in an upper position thus maintaining the floor wipers in the raised position.

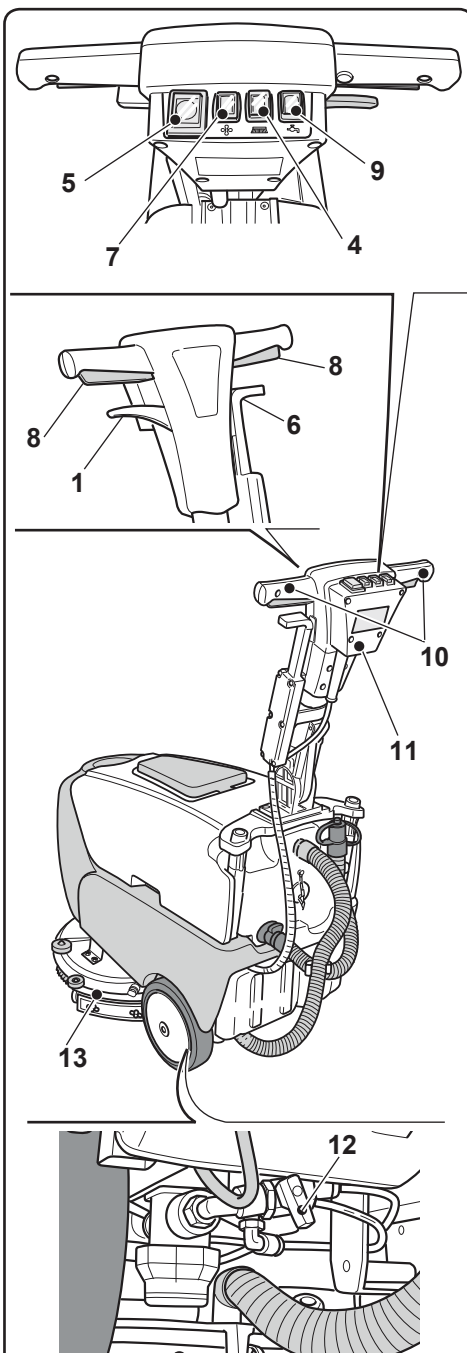


Fig. 12

**WARNING:**

Always lift up the squeegee at the end of cleaning in order to prevent the deformation of the rubber blades.

- Press the button (4) turning it off.

9.1.e - Warnings while using the machine (Fig. 12/a)

- While using the machine, the occurrence of the following errors is signalled by the coming on of the leds.

Suction unit outlet overcurrent error

Led 1 is flashing and Led 2 is constantly lit.

Brush unit outlet overcurrent error

Led 1 is flashing and Led 3 is constantly lit.

Suction unit outlet open circuit error

Led 1 is flashing and Led 4 is constantly lit.

Brush unit outlet open circuit error

Led 1 is flashing and Led 5 is constantly lit.

**NOTE:**

When any of the above mentioned error signals is displayed, it is necessary to turn off the machine and then turn it on again, in order to set it back to normal functioning.

9.1.f - Timer (Fig. 12/a)

It is possible to visualize the working time of the machine proceeding as follows:

- To turn on the timer it is necessary to start the machine by pushing the "Brush rotation" button (6) and keeping it pressed.

**NOTE:**

The timer counts up to 9999 hours.

Indication of the hours of work by units:

- one flash of Led 1 followed by as many flashes of Led 5 as the units of hours of work.

Indication of the hours of work by tens:

- one flash of Led 1 followed by as many flashes of Led 4 as the tens of hours of work.

Indication of the hours of work by hundreds:

- one flash of Led 1 followed by as many flashes of Led 3 as the hundreds of hours of work.

Indication of the hours of work by thousands:

- one flash of Led 1 followed by as many flashes of Led 2 as the thousands of hours of work.

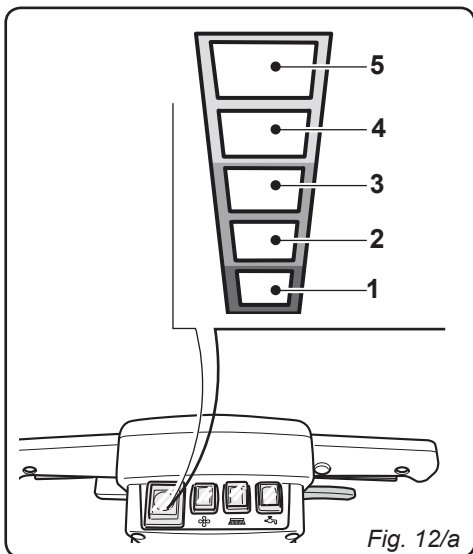


Fig. 12/a

10.1 DRAINING THE RECOVERY WATER (Fig. 13)

At the end of the washing cycle or when the recovery water tank (1) is full, it is necessary to empty the tank by proceeding as follows:



N.B.:

To dispose of the recovery water, comply with the standards in force in the country in which the machine is used.

- Position the machine near to a drain outlet.
- Disconnect the hose (2) from the support (3).
- Remove the cap (4) from the hose (2) and drain all the water contained in the tank.

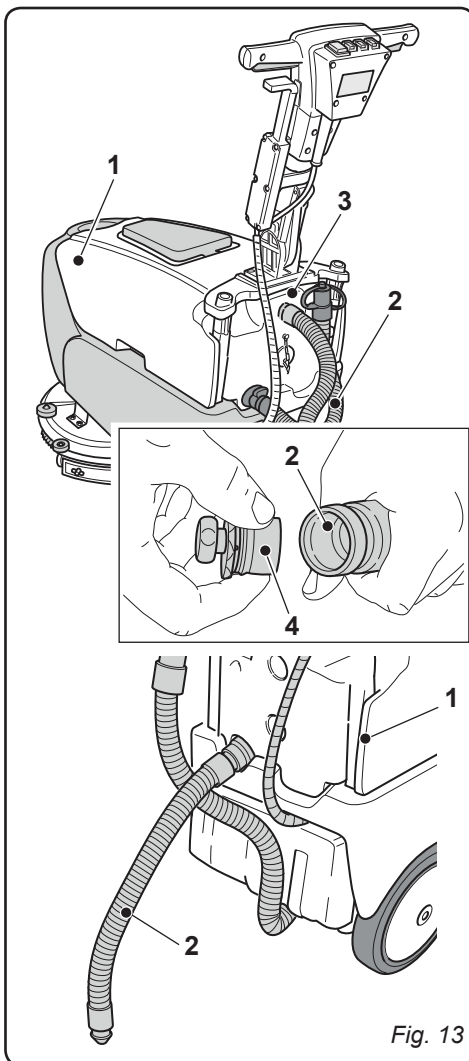


Fig. 13

11.1 MAINTENANCE AND CLEANING



WARNING:

For information and warnings regarding maintenance or cleaning, follow the information given in the “General warnings during maintenance” in chapter 1 in this manual.

OPERATIONS TO PERFORM DAILY

11.1.a - Emptying and cleaning the clean water tank (Fig. 14)



WARNING:

At the end of the washing operations, it is compulsory to drain and clean the clean water tank to prevent deposits or scaling.

After draining the recovery water tank, drain the clean water tank as follows:

- Position the machine over a drain outlet.
- Turn the drain connector outwards (1).
- Push the hose clip (2) inwards and at the same time remove the cap (3) and let all the water drain out.
- Wash the inside of the tank, leaving the drain cap open and adding clean water through the front opening.
- After cleaning, replace the cap (3), pushing inwards.

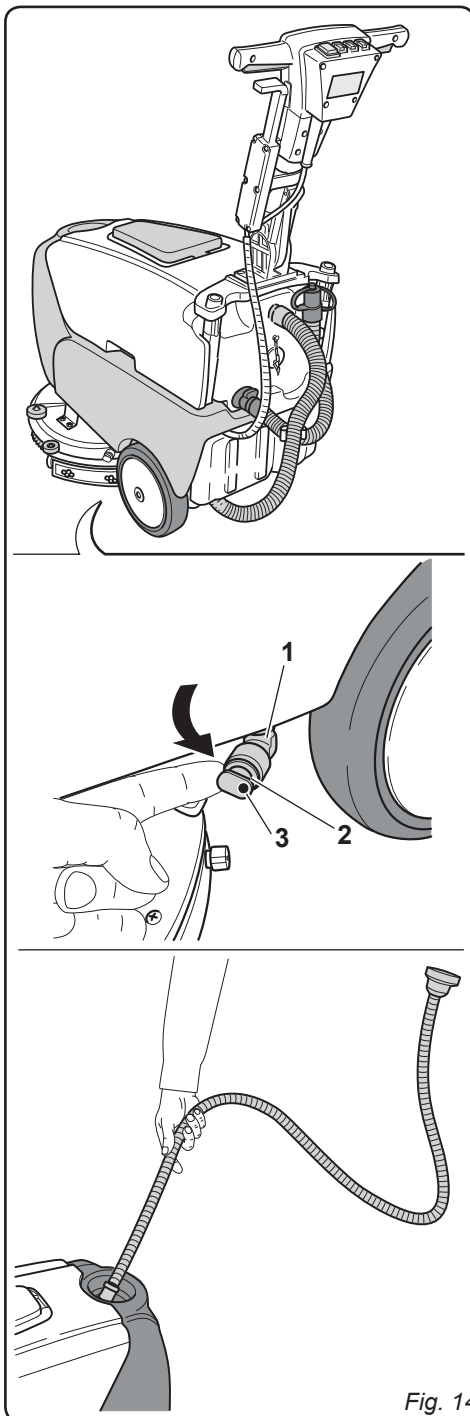


Fig. 14

11.1.b - Cleaning the recovery water tank (Fig. 15)



WARNING:

At the end of the washing operations, it is compulsory to clean the recovery water tank to prevent deposits or scaling and the proliferation of bacteria, odours or mould.

- Drain the recovery water as shown in the relative paragraph, positioning the machine over a drain outlet.
- Remove the cover (1) and clean the inside of the cover and the aspirator safety float (2) with running water.
- Leaving the hose (3) lowered and the cap off, add water through the upper opening (4), cleaning the inside of the tank until clean water comes out of the drain hose.
- Replace all the components in reverse order.

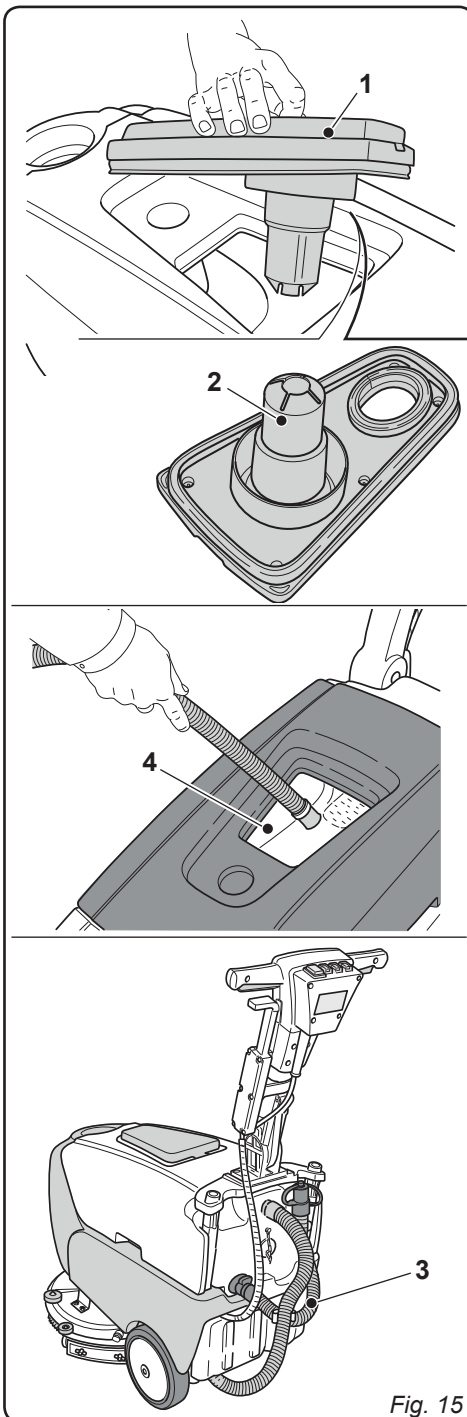


Fig. 15

11.1.c - Cleaning the squeegee (Fig. 16)

In order to clean the squeegee correctly (1), it is necessary to remove it as follows:

- Pull the squeegee unit outwards (1).
- Disconnect the hose (2) from the squeegee (1).
- Loosen the knobs (3) and remove the squeegee (1).
- Wash the squeegee and in particular the rubber blades (4) and the inside of the aspiration connector (5).



N.B.:

If, during washing, it is clear that the rubber blades (4) are damaged or worn, it is necessary to replace them or turn them over.

- Replace all the components in reverse order.

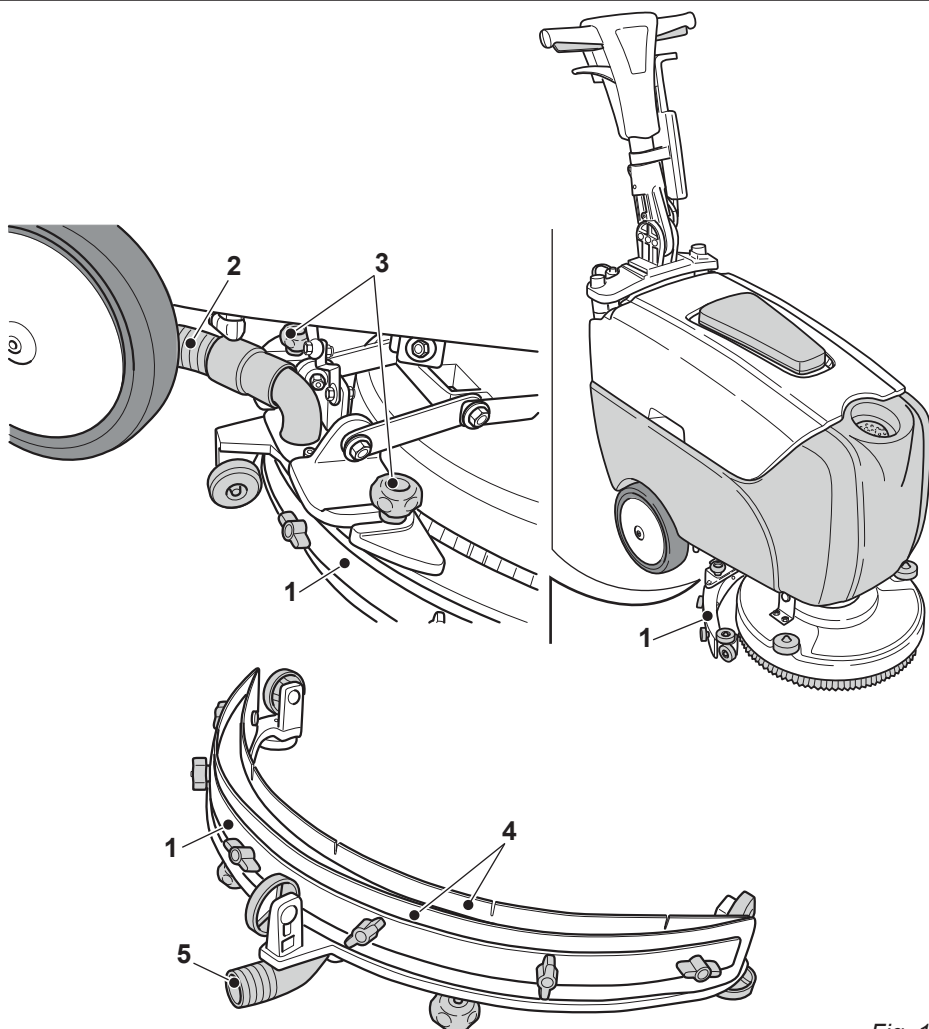


Fig. 16

OPERATIONS TO PERFORM WEEKLY

11.1.d - Cleaning the clean water filter (Fig. 17)

- Unscrew the transparent filter cover (1) and remove the filter (2).
- Clean the filter (2) in running water. If it is blocked, replace it.
- Replace all the components in reverse order.

OPERATIONS TO PERFORM WHEN NECESSARY

11.1.e - Replacing the brush (Fig. 18)

It becomes necessary to replace the brush when it is worn with bristles shorter than 2 cm; to replace it, proceed as follows:

- Lift the machine up slightly at the front, levering the grips on the handle.
- Press the button (3) to enable the rotation of the brush, then press levers (4) and release them; the brush (5) is disconnected.
- Replace the brush and then rest the brush holder flange (6) on the brush (5) and press the levers (4) listening for the coupling "CLICK" of the brush on the flange.
- Press the button (3) turning it off.

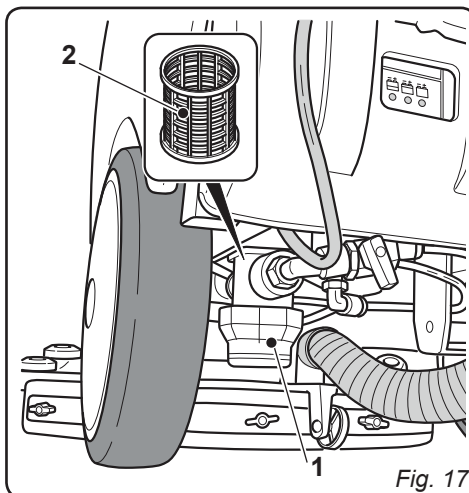


Fig. 17

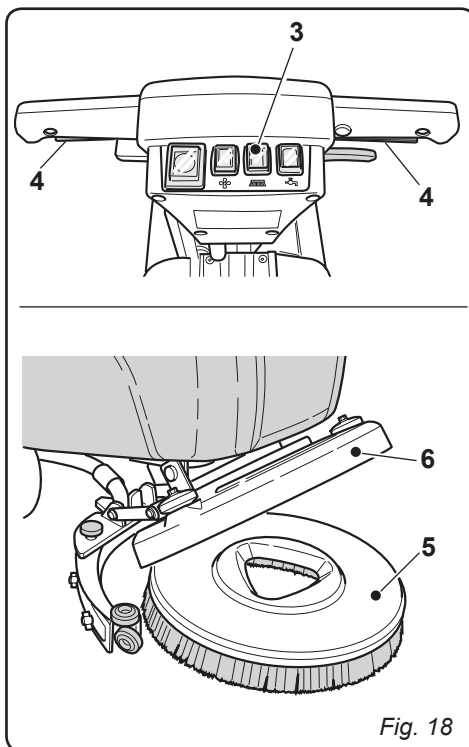


Fig. 18

11.1.f - Replacing the squeegee rubber blades (Fig. 19)

When it becomes clear that drying the floor is difficult or traces of water remain on the floor, it is necessary to check the wear on the squeegee rubber blades (1):

- Remove the squeegee unit (1) as indicated in the "Cleaning the squeegee" paragraph.
- Loosen the finned nuts (2) and remove the rubber blades (3).



N.B.:

When the rubber blades (3) are worn on one side, on one occasion they may be turned over.

- Replace or turn over the rubber blades (3) without inverting them.
- Replace all the components in reverse order.



N.B.:

It is possible to have two types of rubber blade.

Para rubber blades for all types of floor and polyurethane rubber blades for mechanical workshop floors which are dirty with oil.

11.1.g - Squeegee incidence set up (Fig. 20)

- Lower the squeegee using the specific lever.
- Start the suction unit and advance for some metres before stopping the suction unit and the machine.
- Check the angle of incidence of the rubbers (1) on the floor.
Fig. A = too squatted
Fig. B = too high
Fig. C = correct position.
- Take off the squeegee from the machine
- To set up, loosen the screw (2) of the wheel (3) and move the wheel vertically in the slot; by lifting the wheel, the angle of incidence increases, viceversa it decreases.

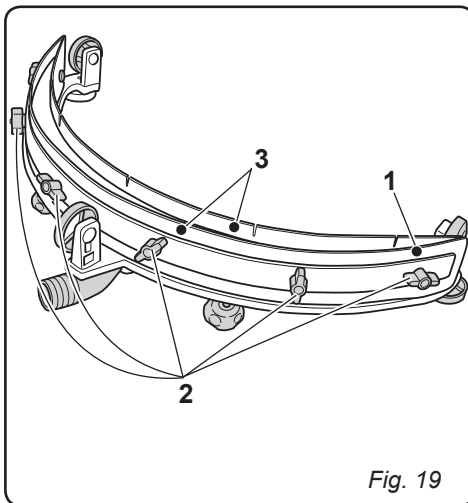


Fig. 19

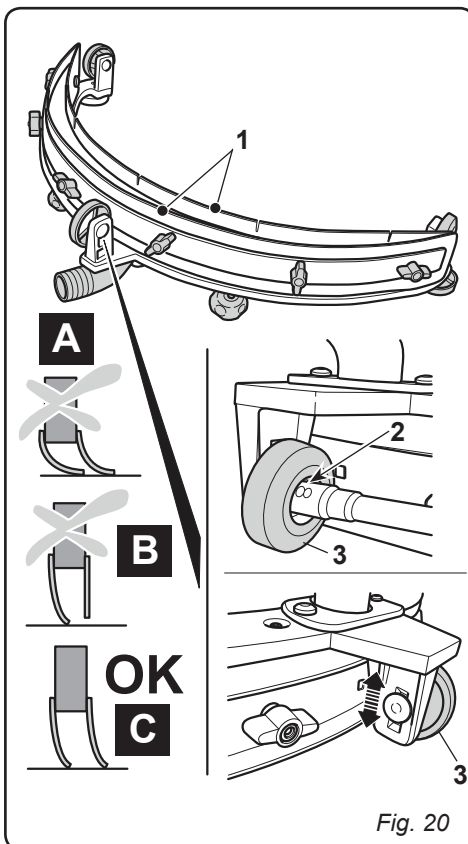


Fig. 20

11.1.h - Replacing the fuses (Fig. 21)



WARNING:

Replace the blown fuse with one with the same amperage.

- Unscrew the two bolts (1) that fasten the external box (2) and remove it.
- Unscrew the two bolts (3) of the printed circuit board (4) and remove it.

Fuse (5) Green 30A

Machine general protection.

- Put the cover (4) and the box (2) back into place in reverse sequence.

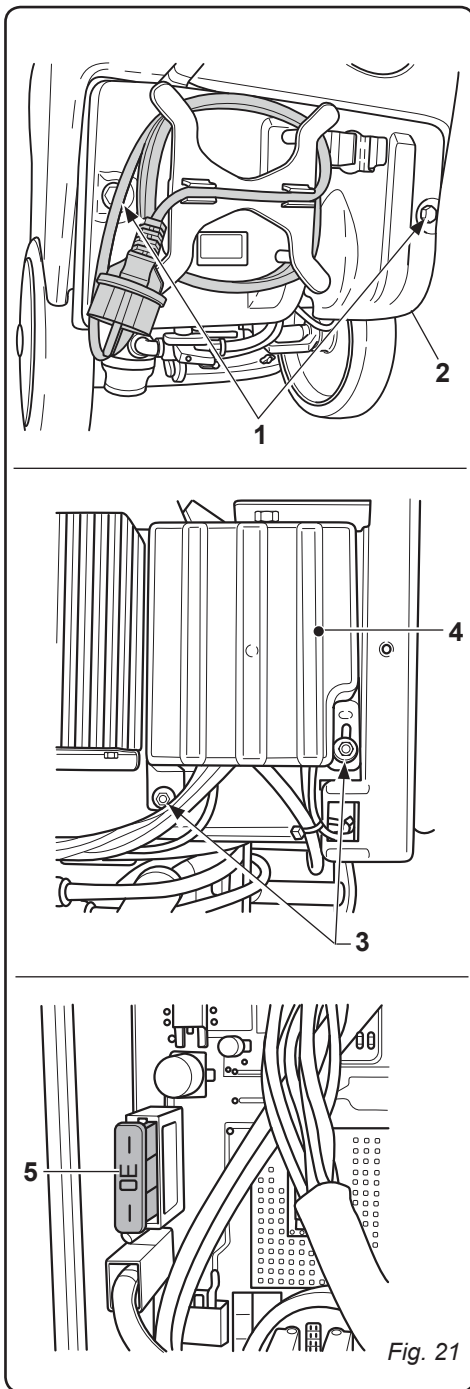


Fig. 21

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The machine does not start up when the key is turned.	Low battery	Check that the battery is charged.
	Main fuse blown	Replace the GREEN 30A main fuse.
The brush does not rotate.	Brush unit outlet overcurrent error or brush unit open circuit error.	See paragraph "Warning signals while using the machine".
	Brush rotation enabling button not pressed.	Press the button.
Aspirator does not work.	Suction unit outlet overcurrent error or suction unit open circuit error	See paragraph "Warning signals while using the machine".
	Aspirator enabling button not pressed.	Press the button.
The machine does not dry well, leaving traces of water on the floor.	Aspirator off.	Start up the aspirator.
	Aspiration tube blocked.	Check and if necessary clean the aspiration tube that connects the squeegee to the recovery tank.
	Squeegee rubbers not correctly set up.	Set up the squeegee rubbers as indicated in paragraph "Squeegee setting"
	Recovery tank full.	Empty the recovery tank.
	Squeegee rubber blades worn.	Replace or turn over the squeegee rubber blades.

PROBLEM	CAUSE	SOLUTION
No water comes out.	Tank empty. Solenoid valve enabling button not pressed. Tap turned off. Filter blocked. Solenoid valve does not work.	Fill the tank. Press the button. Turn on the tap located at the bottom of the machine. Clean the filter. Call the technical support service.
Insufficient floor cleaning.	Unsuitable brushes or detergent. Brush worn.	Use brushes or detergents which are suitable for the type of floor or dirt to be cleaned. Replace the brush.

EC-Declaration of Conformity (in accordance with Directive 2006/42/EG)

Hako GmbH
Hamburger Straße 209-239
D-23843 Bad Oldesloe

bears sole responsibility for declaring
that the products

Scrubmaster B12
Typ: 7745.02

to which this declaration relates,
conform to the relevant provisions of the
safety and health requirements
stipulated in the EC Directive 2006/42/
EC and is in accordance with 2014/30/
EC and 2014/53/EC.

Name of the authorized person who
compiles technical documents for Hako:

Ludger Lüttel

Reference was made to the following
standards and/or norms and/or technical
specifications to ensure proper imple-
mentation of the safety and health re-
quirements in the EC Directives:

EN 60335-2-72

EN 55014-1

EN 55014-2

EN 61000-3-2

EN 61000-3-3

EN 62233

Bad Oldesloe, 23.01.2018



Ricardo Ruiz Porath
Product line Manager
Cleaning Technology

Advanced Technology for a Cleaner, Better Enviroment

88-10-2954 - 3954-00

