CHANGE FROM PREVIOUS DOCUMENT

Page Ref.	Argument	Description
7	Squeegee Adjustment	Settings update
8	Brush Base Adjustment	Settings update

READ THE USE AND MAINTENANCE MANUAL

Check electrical equipment

1. Check the functionality of the electrical equipment:
   - **General switch** (if pushed, the hourmeter have to switch on);
   - **Vacuum motor switch** (turn on the vacuum motor);
   - **Start brush motor** (act on the levers under the handle)

2. Check the **battery contacts and the cable connection with the faston** in the contactor mounted inside the machine handle.

3. Verify the correct functionality and regulation of the **microswitches of the handle levers**.

4. Verify that the microswitches are not pushed when handle levers are not in action and that they have at least **0,5mm of clearance.**

5. If clearance is less then 0,5 mm, adjust the microswitch by the **fastening screws**.
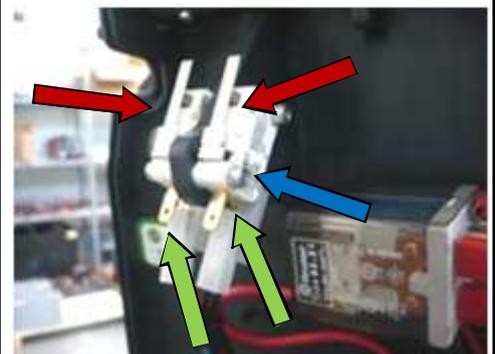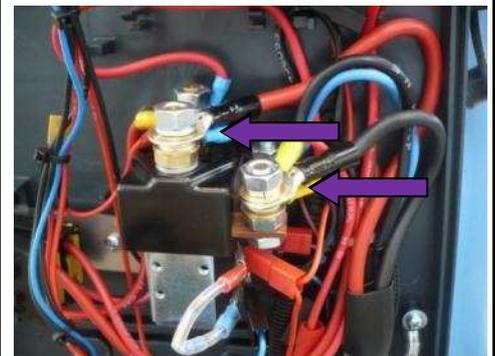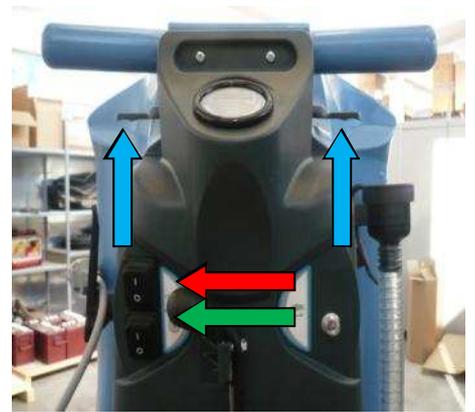
Battery charger adjustment (Model with battery charger)

1. Check the set-up of the battery charger corresponds to the type of battery actually installed on the machine.

2. To adjust the battery charger, proceed as follows:

   - Use a screwdriver to remove the small **plastic cap**

   - Set the dip switch in accordance with the following tables

   - Set the dip switch as indicated below:

DP1	DP2	SET UP
OFF	OFF	Gel EXIDE SONNENSCHEIN
OFF	ON	Generic GEL or AGM batteries
ON	OFF	Wet cell batteries
ON	ON	Gel TROJAN

DP3:
OFF for all batteries (not used)

DP4:
OFF for all batteries (not used)

   - Close the plastic cap

Carefully read the battery charger operating manual
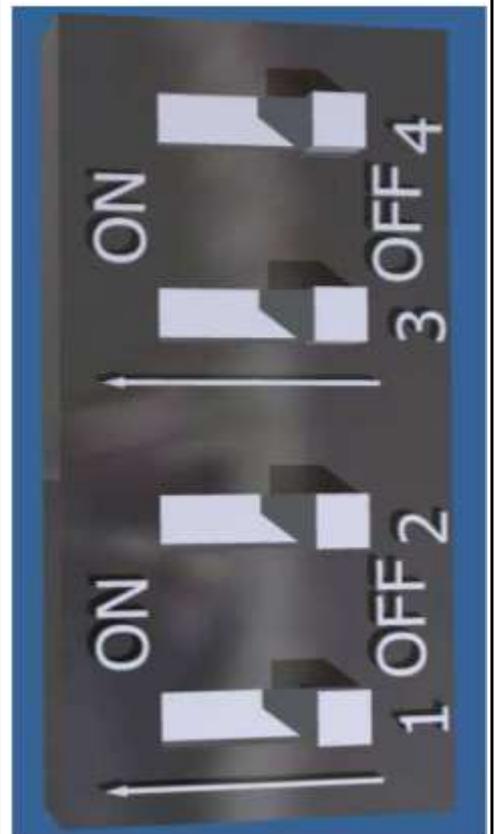
Battery charger alarm signals:

Flashing **YELLOW LED**: INCORRECT BATTERY - BATTERY IS NOT CONNECTED - OUTPUT SHORT CIRCUIT;

Flashing **RED LED**: SAFETY TIMER EXCEEDED - INTERNAL SHORT CIRCUIT

Initial battery charger test:

GREEN LED with 2 flashes: battery charger with set-up for GEL or AGM batteries

RED LED with 2 flashes: battery charger with set-up for wet-cell batteries

Adjusting the battery check card

1. Make sure that the battery card has the following start sequence when switched on:

   - Lighting of the LED corresponding to the adjustment (red LED = "0").

   - Lighting of all LEDs (lights functional control)

   - Lighting of the LEDs corresponding to the charge level of the battery.

   - The initial setup of the battery card can be checked, by turning on the machine and checking which LED lights immediately after starting. Counting the LEDs from the left, not counting the first red LED, the LEDs equivalent to setting made will light.

     Make sure that with wet cell batteries the rotating microswitch is set to **position 1**, in this case the first LED will light.

     Make sure that with gel batteries the rotating microswitch is set to **position 4**, in this case the fourth LED will light.
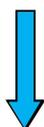
   - To modify the setting, act on the **microswitch** behind the hourmetere.

WARNING

An incorrect setting of the battery control card can irreversibly affect the batteries.

Water System Testing

1. Fill the solution tank and check seal of the connections and in particular the seals on the **filter** and on the **solenoid valve** (if equipped).

1. Verify that the distribution of water on the floor under the brushes base is uniform and proportional to the opening of the **water regulation lever.**

   a. On the last carving of the control lever is placed a limit **segeer** to fully open the water tap

   b. It is possible to move the **segeer** present on the various carving adjustment on the lever. In this way, the tap will not open completely but remain partially closed by the chosen carving.
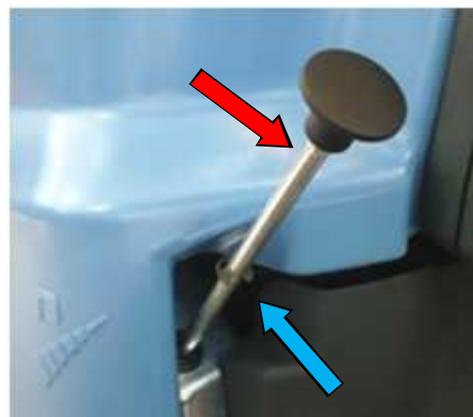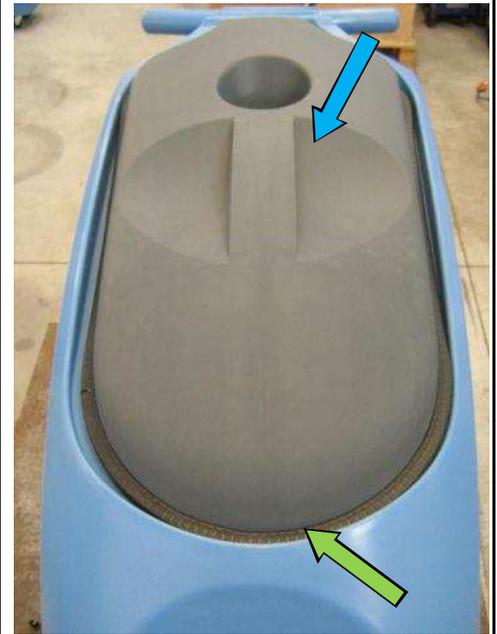
2. In the case of poor water flow, check the cleanliness of the **cap.**

Check the suction system

1. After switch on the vacuum motor, check the tightness of the **gasket** with the **carter** of recovery tank closed.


2. Check the cleaning and functionality of the **filter with ball**

Adjusting the squeegee

1. Adjust the wheel height by loosening the **fastening screw** so that the wheel is lifted up **1.5-2 mm** from the floor surface with the squeegee lowered and rubbers in vertical position.

2. Adjust the rear rubber **inclination register** when the vacuum motor is switched on, checking the rubber inclination is between 30° and 45° and is even across its entire length. With adjustment complete, the wheels must touch the floor.


Front rubber

Rear rubber

Approx. 45°
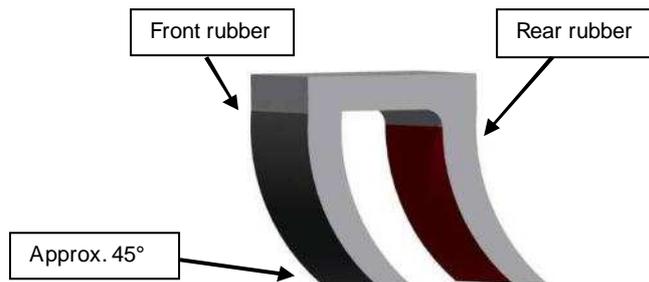
3. Check cleanliness and tightness of the squeegee **nozzle**.

About 1.5-2 mm.
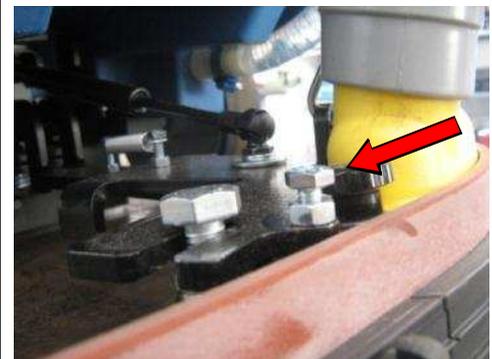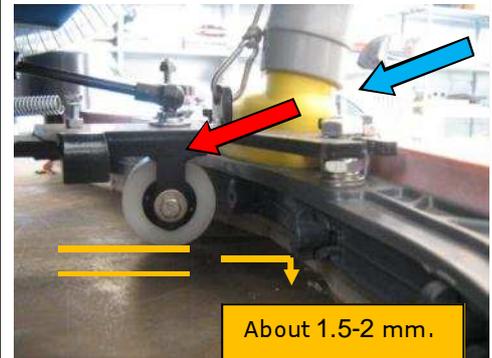
Adjusting the scrubbing base

1. Verify that with plugged brush, the scrubbing base touch the floor evenly.

2. Tighten the **screw of the traction spring** so that it gets out to maximum of 0.5 mm from the **locking nut**.

3. Tighten the **direction screw** so that it touches the plaque of the brush base. Unscrew it until there is a maximum gap of 1 mm between the bottom of the screw and the plaque of the brush base.

Around 1 mm.
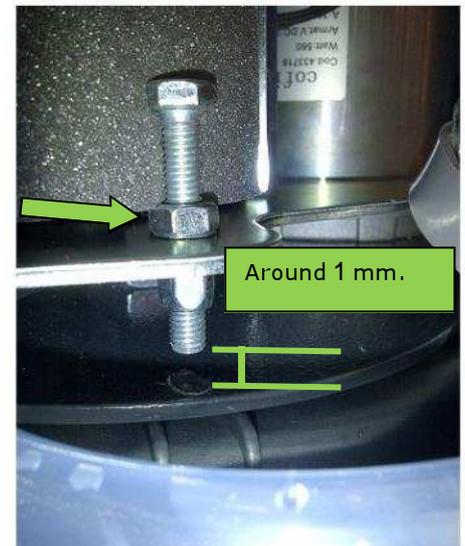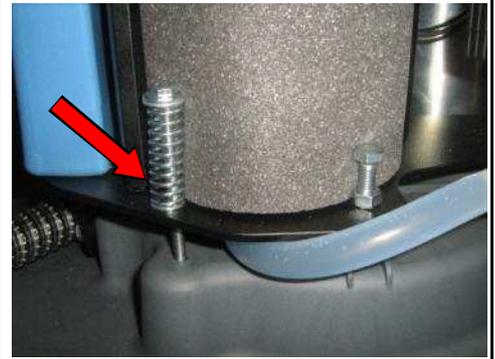
4. Tighten the round head screw for the fixing of the brush plate so that it gets out to maximum of 0.5 mm from the **locking nut**.

Testing machine operation

☐ Check the functioning of the switches and indicator lights.

☐ Check the functioning of the brush motor.

☐ Check the functioning of the squeegee.

☐ Check the functioning of the suction motor.

☐ Check the functioning of the battery charger.

☐ Check the condition of the batteries, clamps and cables.

Machine operating tests

☐ Fill the tanks with water and check for any leaks.

☐ Check the seal of the water system and check the water falls evenly onto the brush.

☐ Adjust the inclination and wheels of the squeegee, carrying out an operating test.

☐ Check the functionality of water cock and solenoid valve (if installed);

Final Testing

Check all functions: cleaning, drying.