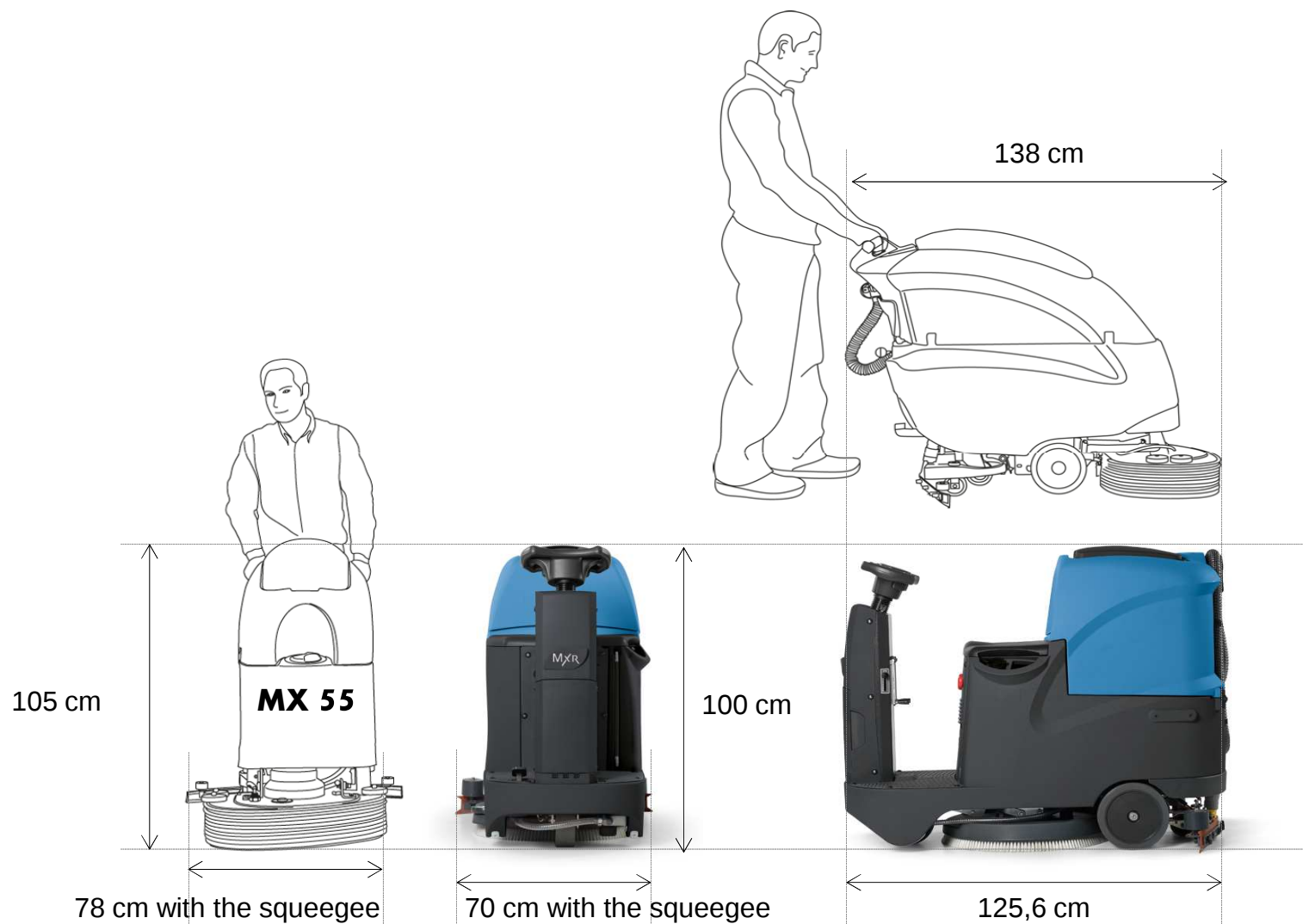
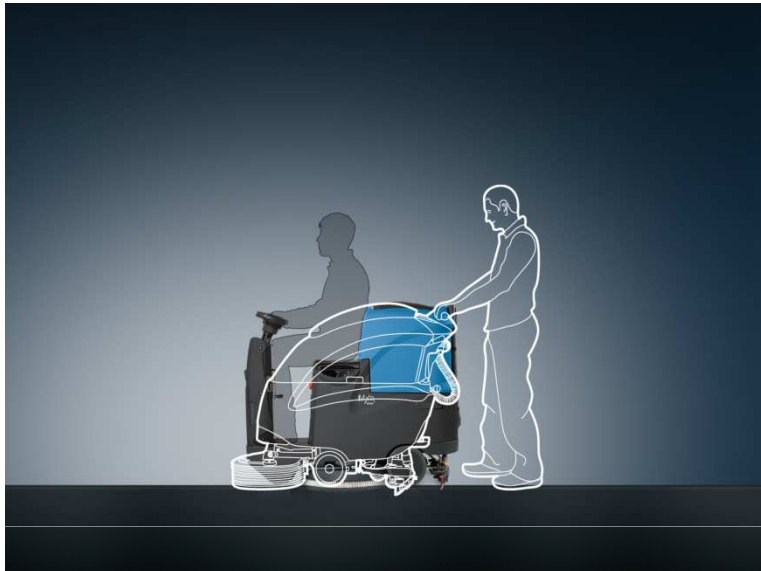


Technical Training “Mxr”





Technical Data



MXR - Technical Data

Working Width (mm)	560
Squeegee Width (mm)	705 – 800
Solution Tank (l)	65
Brush motor (V / W)	24/450 (1 x)
Vacuum motor (V / W)	24/310
Traction motor (V / W)	24/300

MX 55 - Technical Data

Working Width (mm)	560
Squeegee Width (mm)	780
Solution Tank (l)	60
Brush motor (V / W)	24/560 (2 x)
Vacuum motor (V / W)	24/310
Traction motor (V / W)	24/150

Automatic reduction of speed
on bends

EMERGENCY STOP

ANTI-OVERTURN
BUMPER



SAFETY BRAKE
When the pedal is
released the machine
automatically stops

Battery
Charger



Wiring



Vacuum motor
and filter



Multifunction steering wheel



Micro switches for vacuum
and brushes motor

Multifunction display



ECO system

Forward/backward

**Brush
coupling/uncoupling**

Horn

By the steering wheel, without using a programmer, the technician can control all machine functionalities.

Steering wheel



By the steering wheel, without using a programmer, the technician can control all the machine functionalities.

To enter the "setting menu" proceed as follow:

- Press at the same time, with machine off, the horn, the forward/backward and the couple /uncouple keys
- Keeping pressed the mentioned buttons, rotate the key in ON
- Wait for the loading of "setting menu" text interface.

Two different menu, for operator (user menu) and for technician (advanced menu).

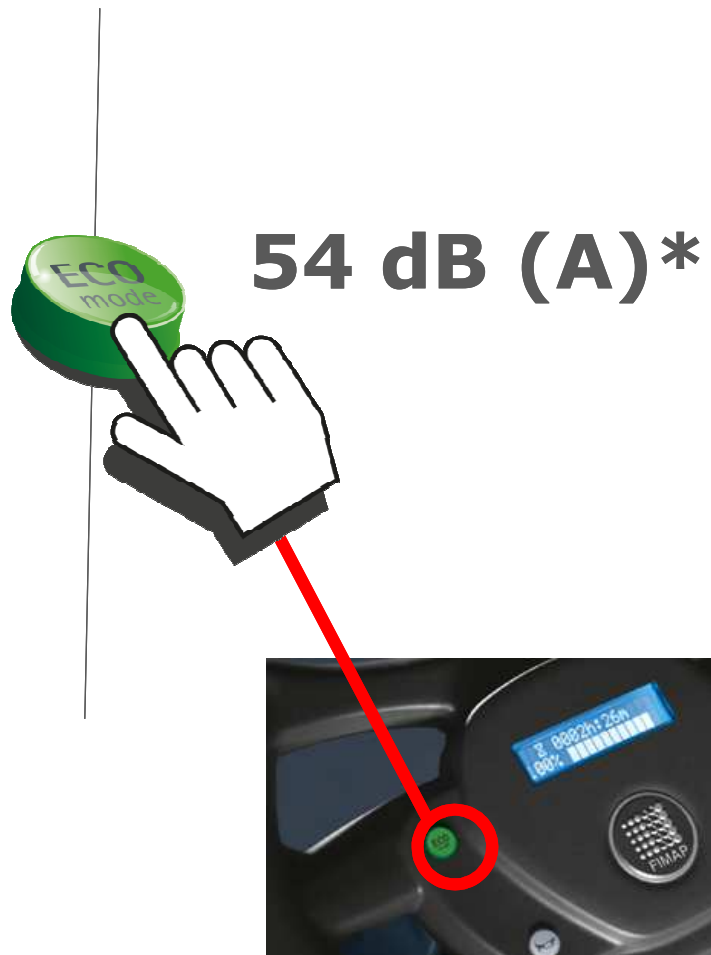
User menu

For operator. It's possible to modify the base functions of the machine.

Advanced menu

For technician only. It's possible to modify all the parameters of the machine (brush, vacuum, traction, pumps)

ECO System



Noise reduction (54db)

Save energy

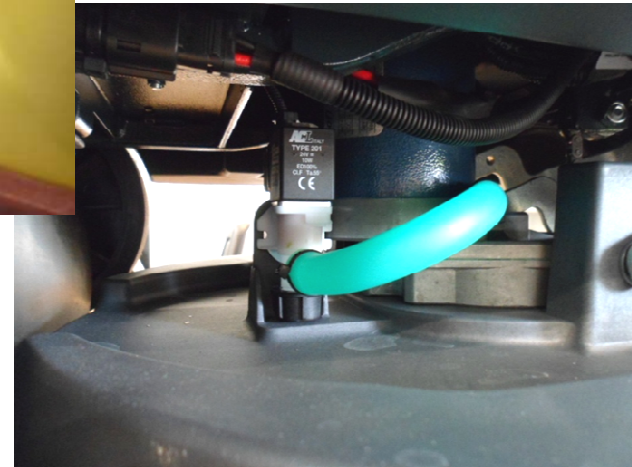
Save water and chemical



* With Eco Mode button on (Device to reduce noise level)



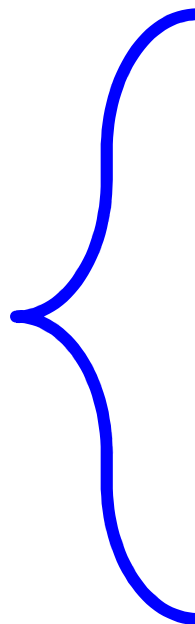
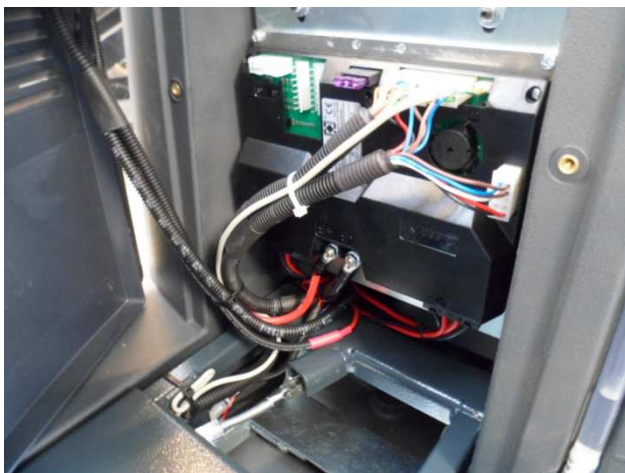
EASY



EASY

You need a philips screwdriver and a wrench for dismantling more than 85% of the machine

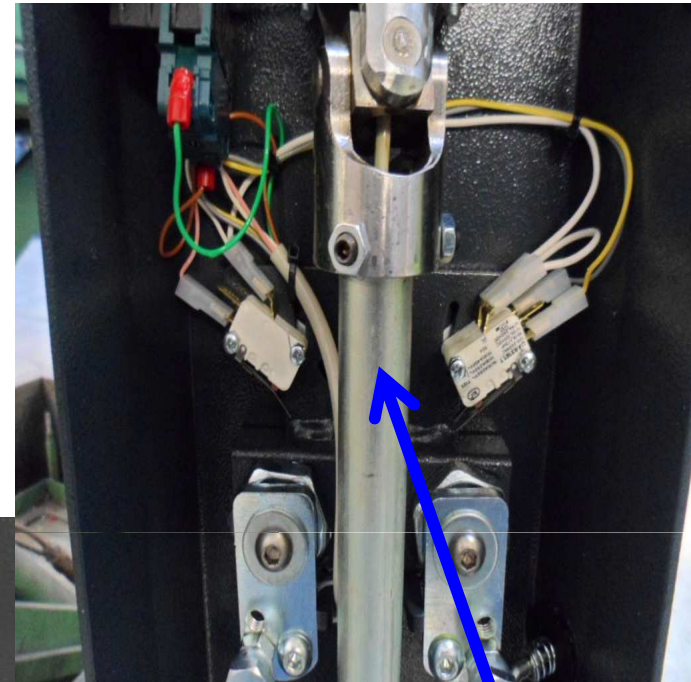
Wiring and switches



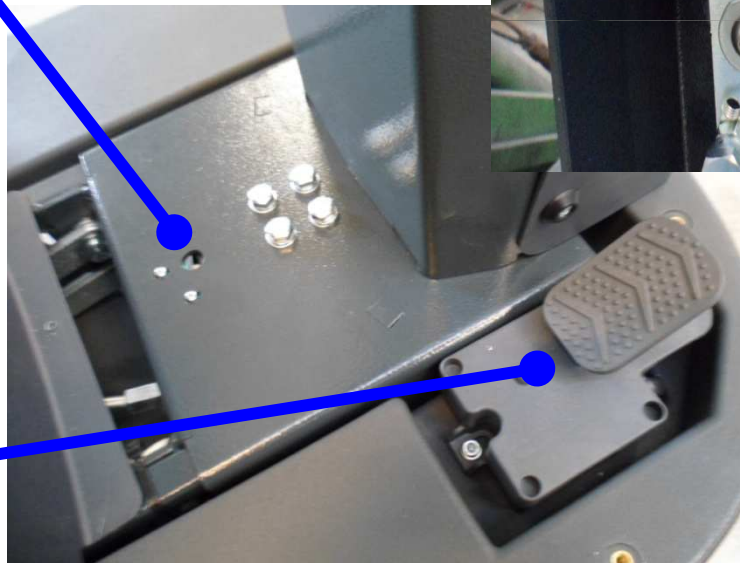
Wiring and switches



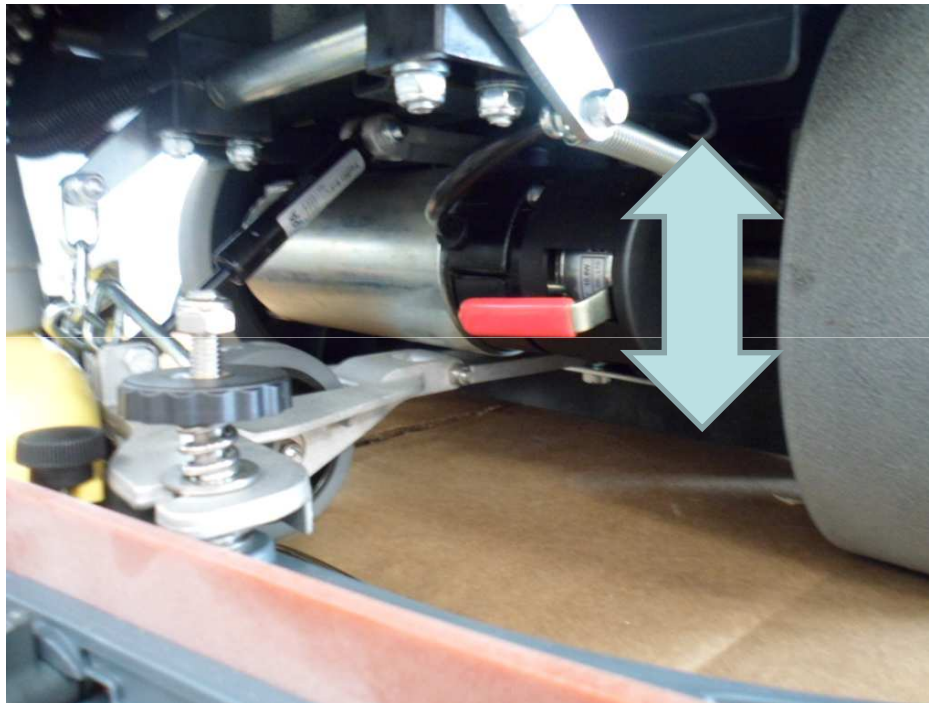
Micro switch for automatic reduction of speed on bends



Micro switches:
- vacuum motor,
- brushes motor,
- backward inhibition.



Drive control



Gearbox traction motor with electronic brake

Red lever on the gearbox to activate the electronic brake.

Control lever rotated downward → the electronic brake is engaged.

Control lever rotated upward → the electronic brake is not engaged.

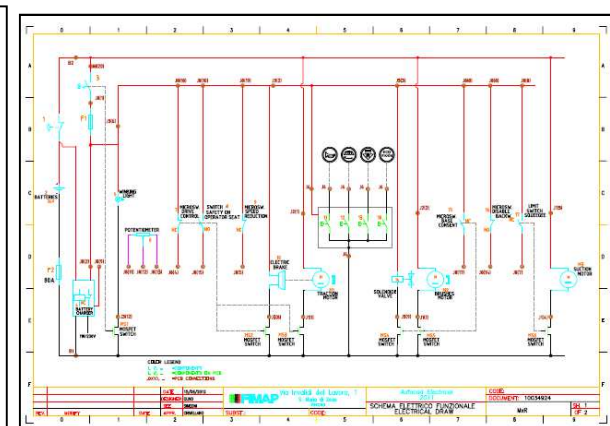
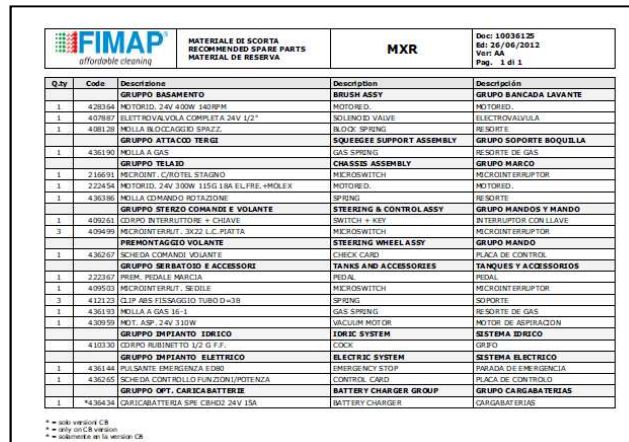
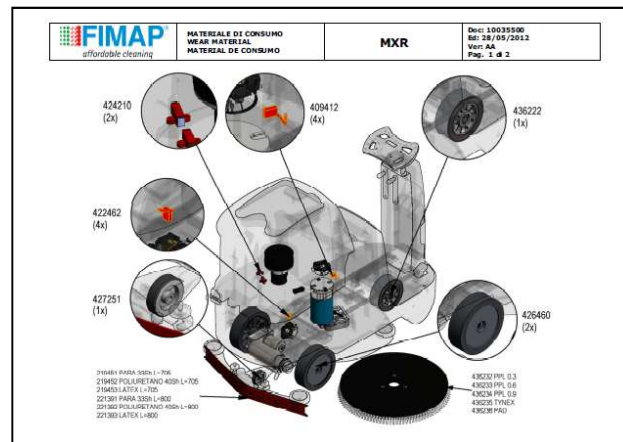
How the electronic brake works.

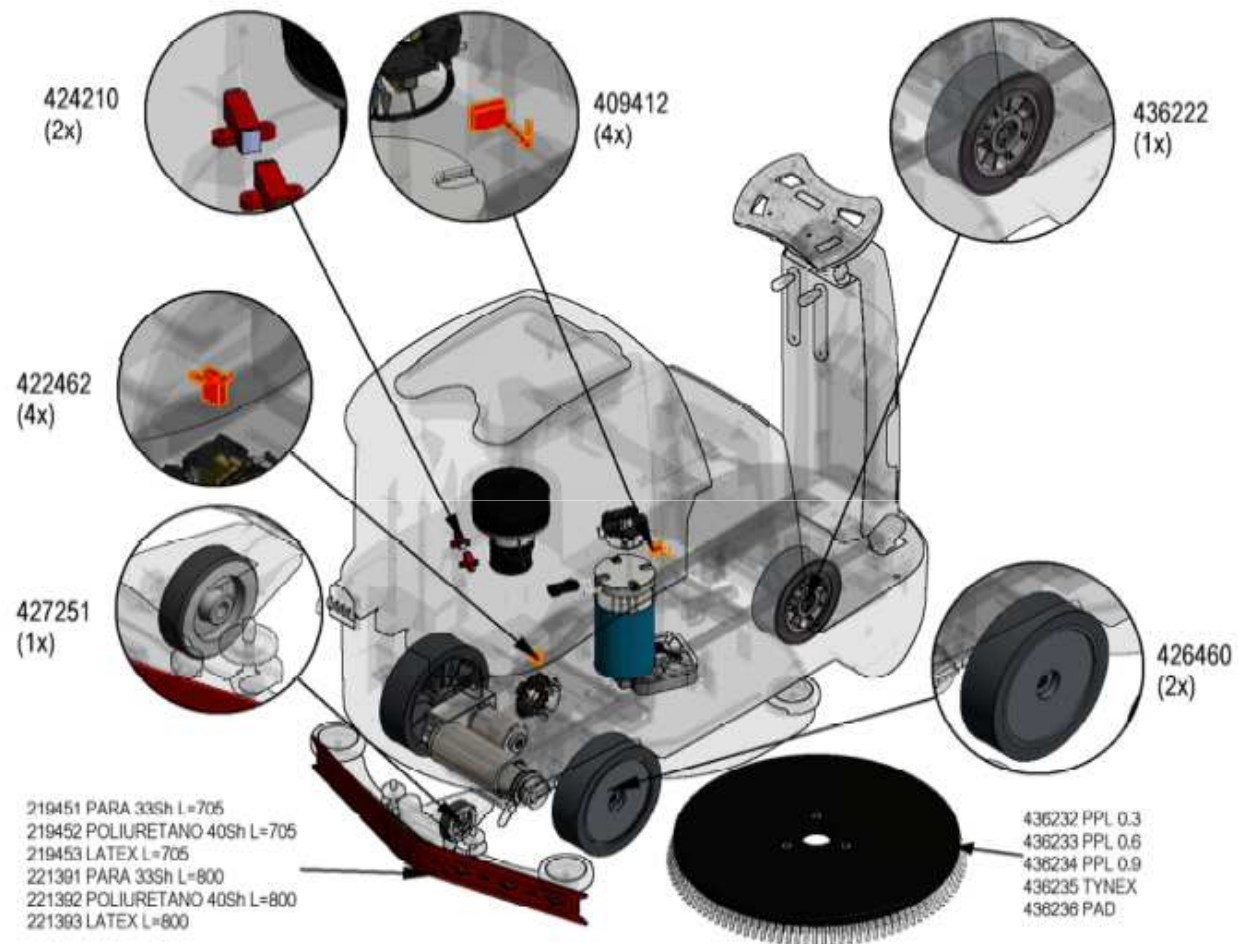
	Electronic Brake ON	Electronic Brake OFF
MACHINE ON		
MACHINE OFF		

Batteries and charger

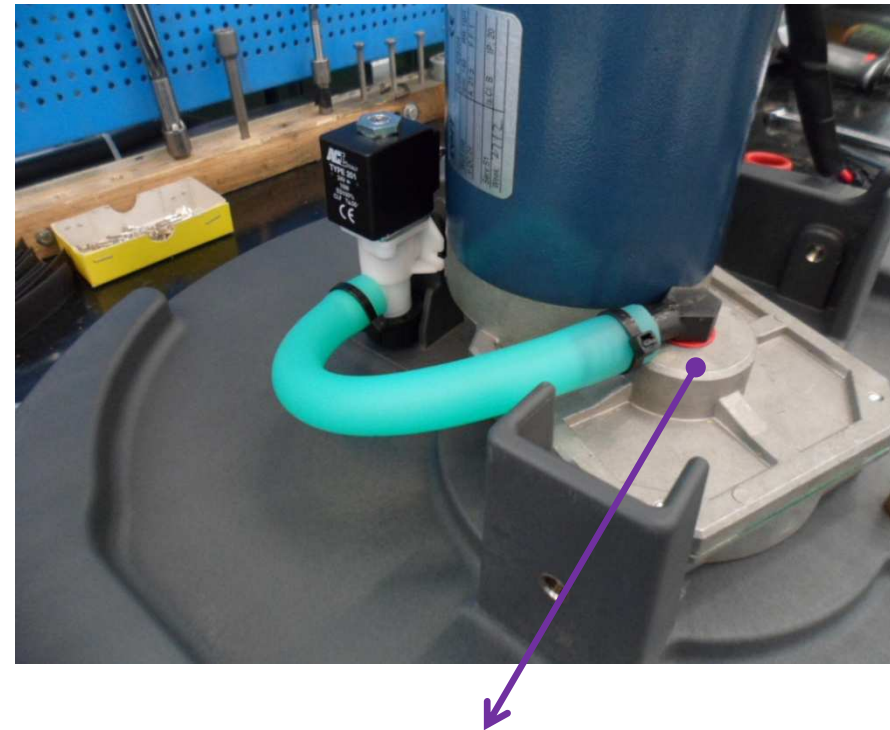
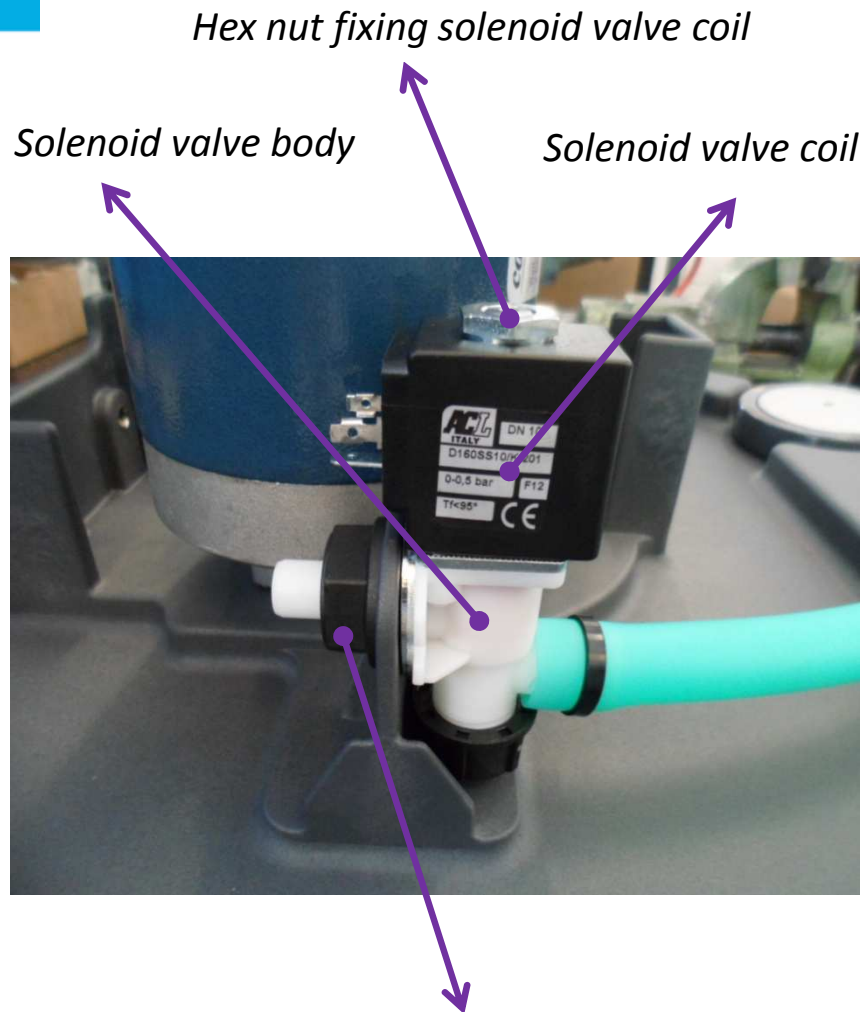


80 Amp. fuse directly to the batteries



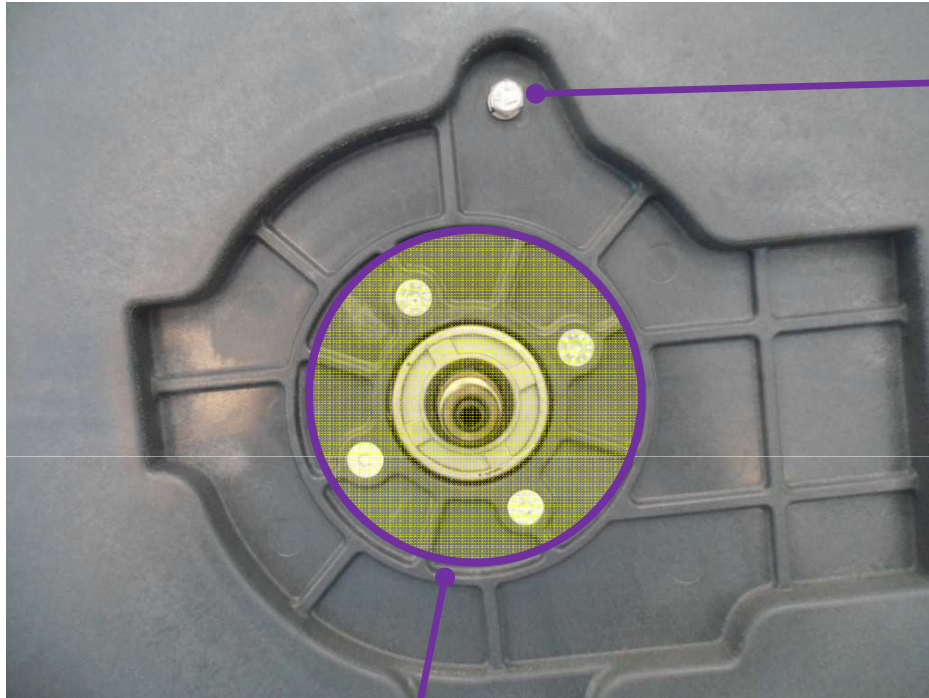






Solution from solenoid valve to brush base

Brush base assembly



Screws fixing the brush motor

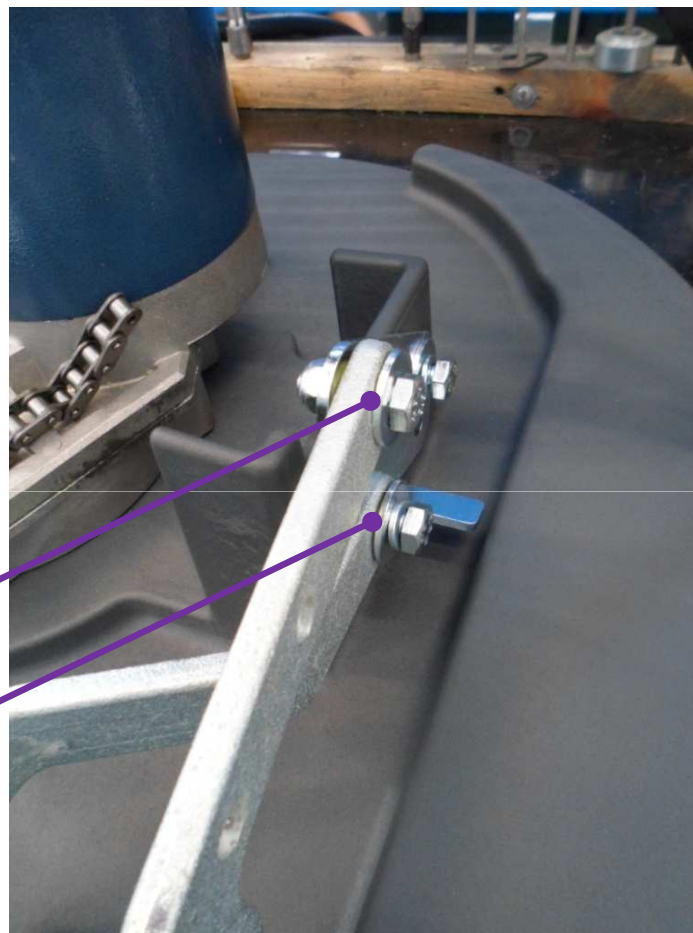
Screw fixing the chain support for lifting up/down the brush base



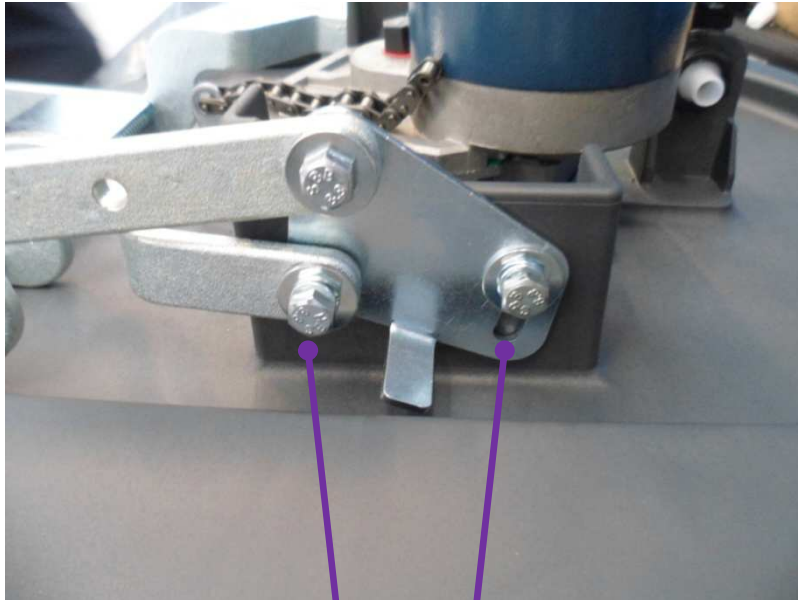
Brush base assembly



Lifting arms



Brush base assembly

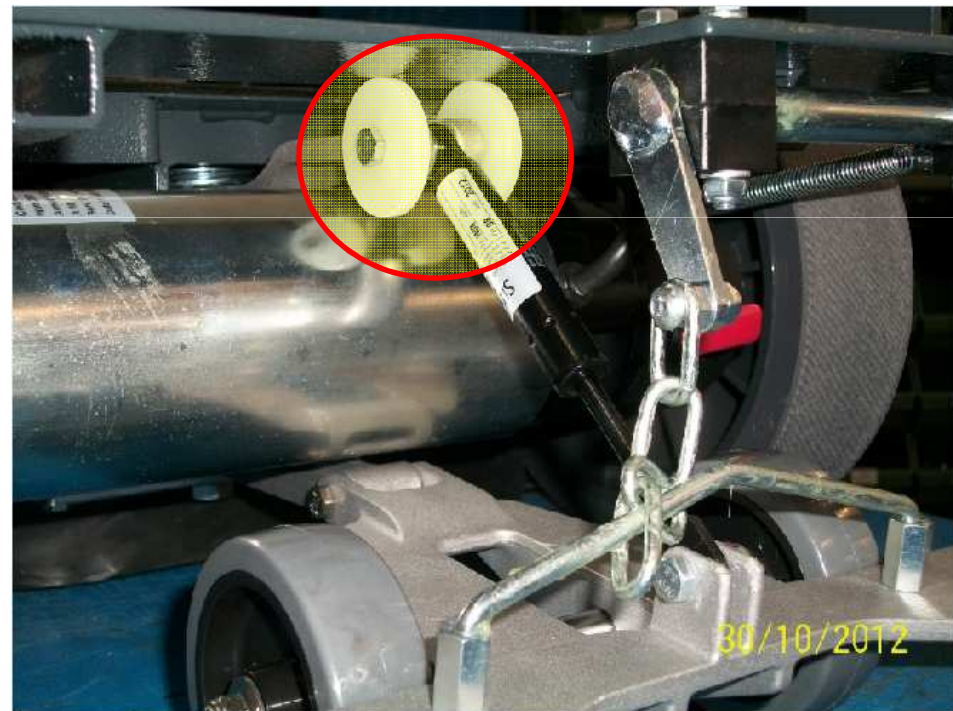
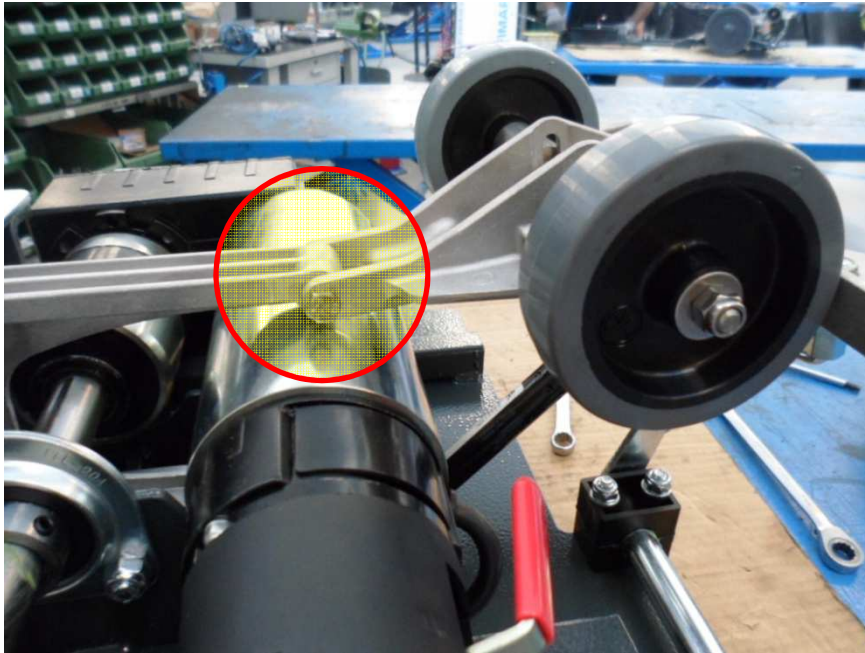


Buttonhole for adjusting the base inclination

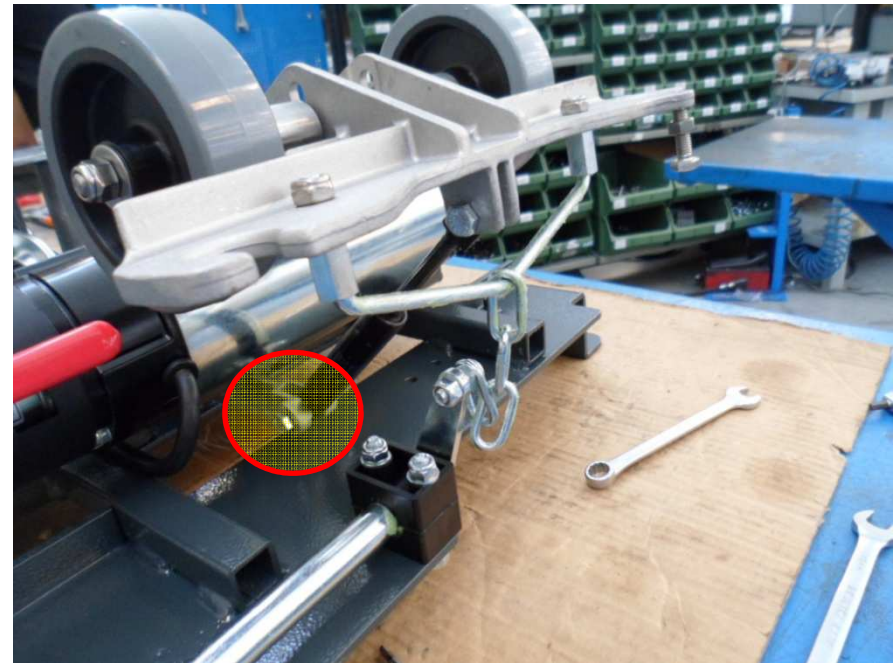
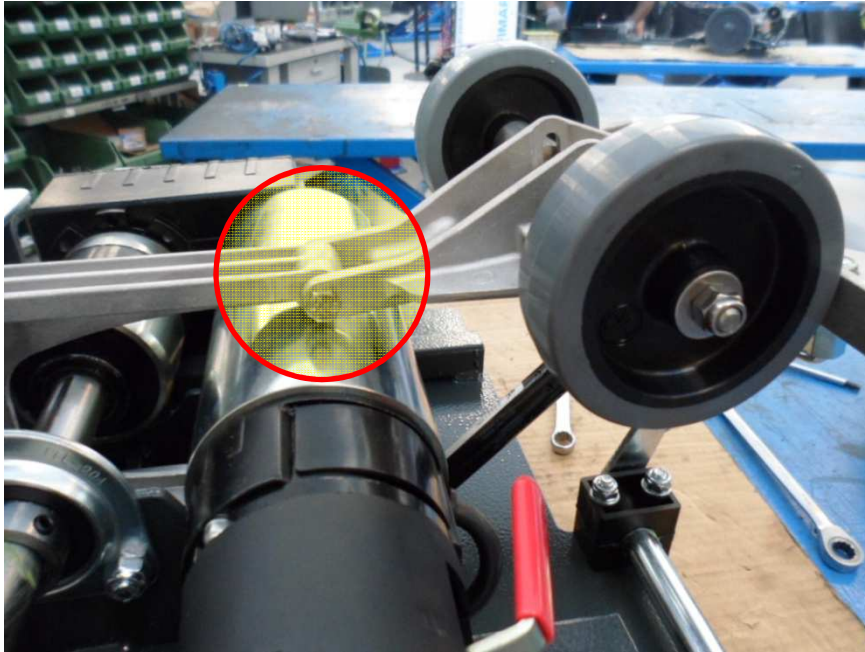
Flange: Spring fixing the brush.



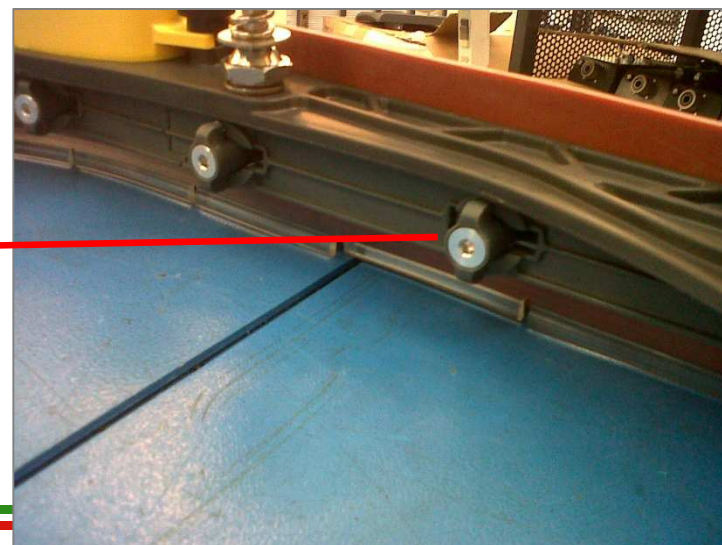
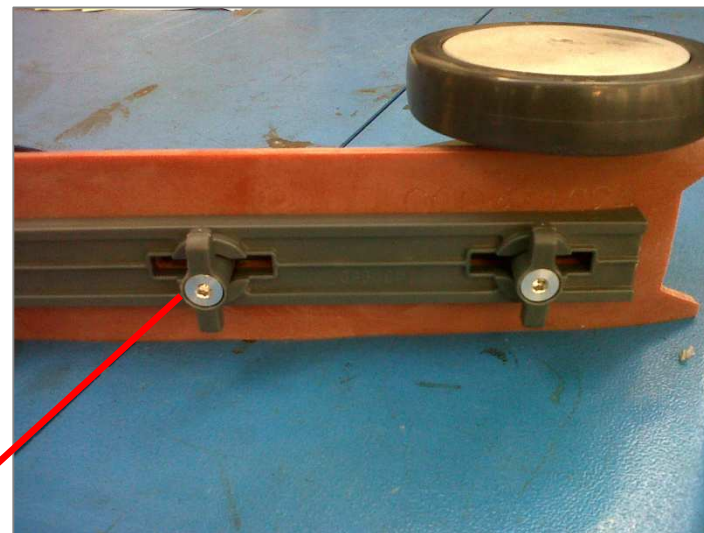
Squeegee assembly



Squeegee assembly

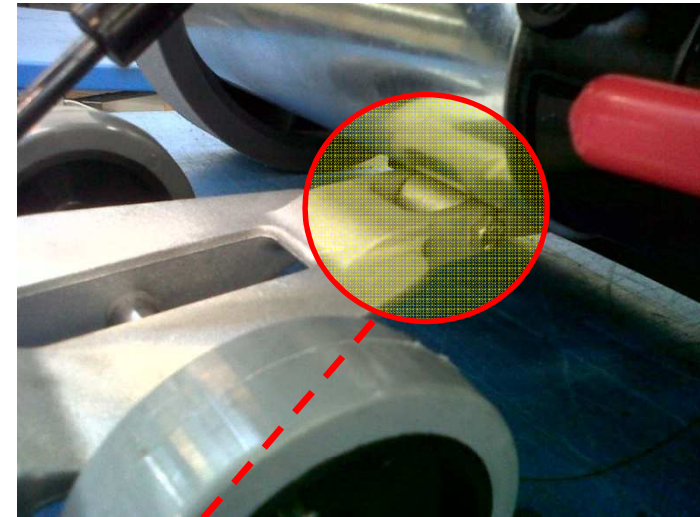
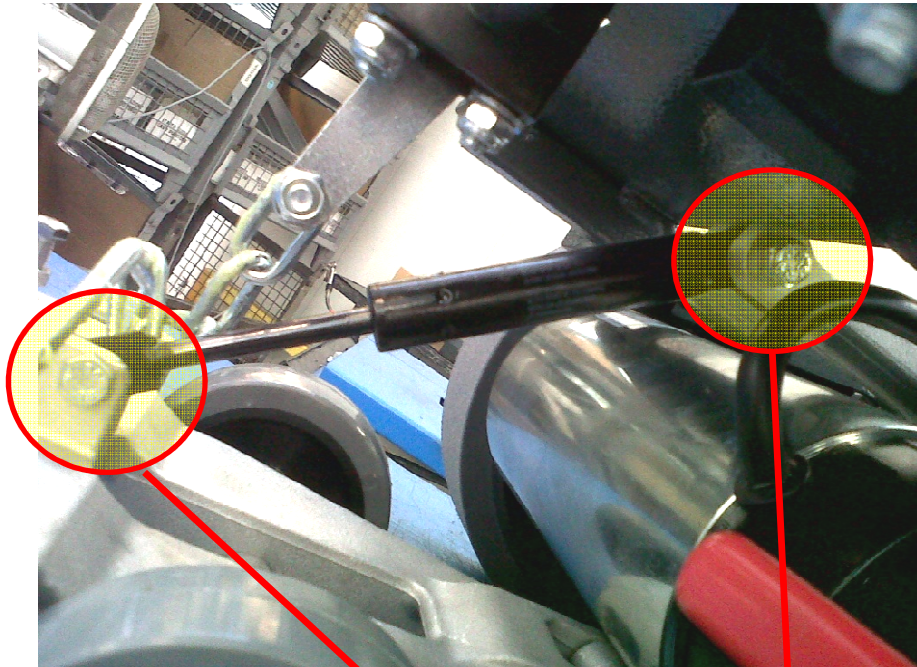


Squeegee assembly



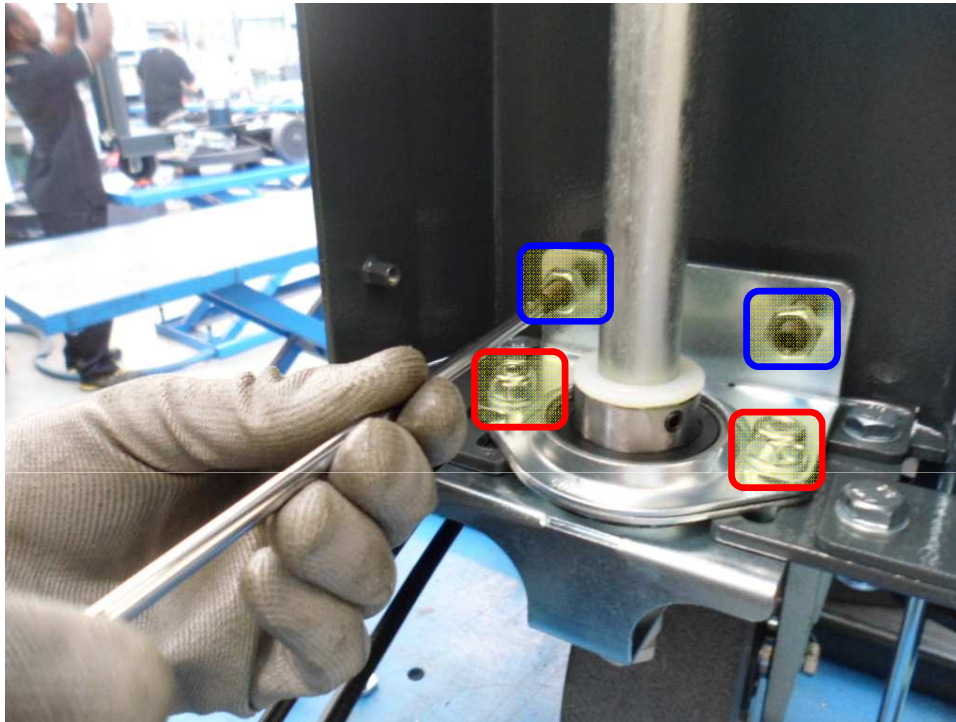
Wing nuts

Squeegee assembly

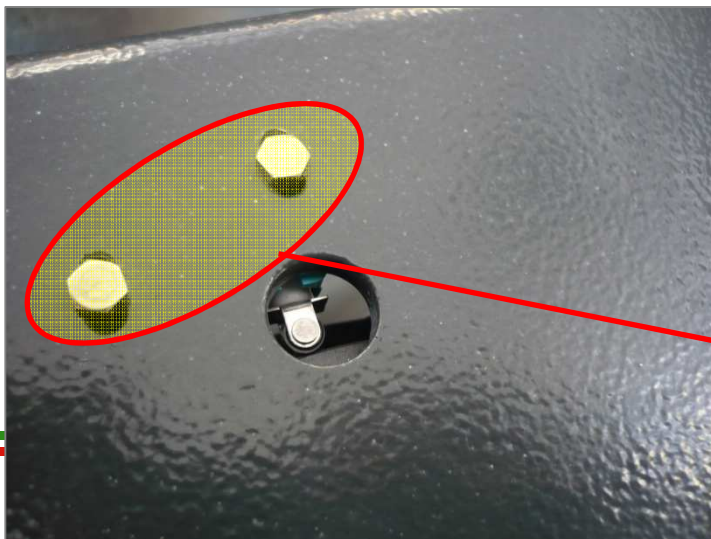


Replacing the gas shock absorber.

Steering Column



1. Loosen the *dowels* (black) and the *lock nuts*.
2. Adjust the *dowels* in order to have a steady tension of the chain (only the dowels can adjust the proper tension).
3. The screwing of the *lock nuts* causes an extra tension on the chain. Don't fix too much the *dowels*.
4. Tighten *the nuts on the dowels*.

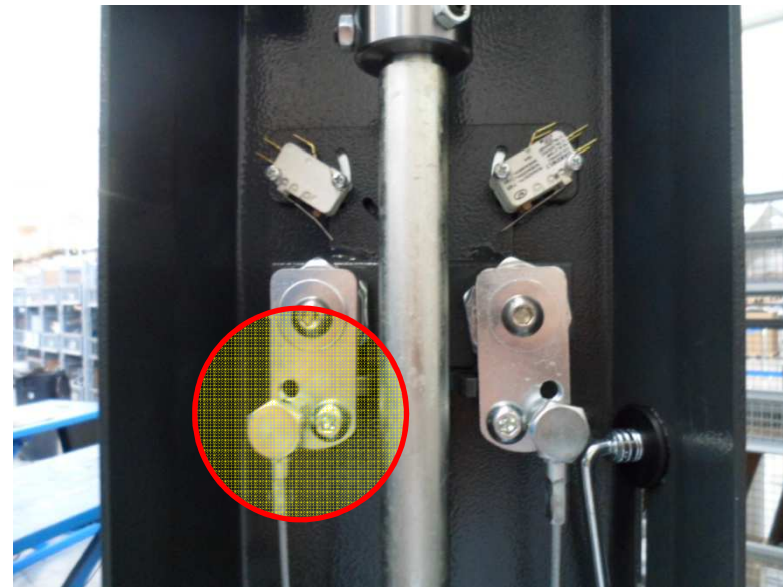
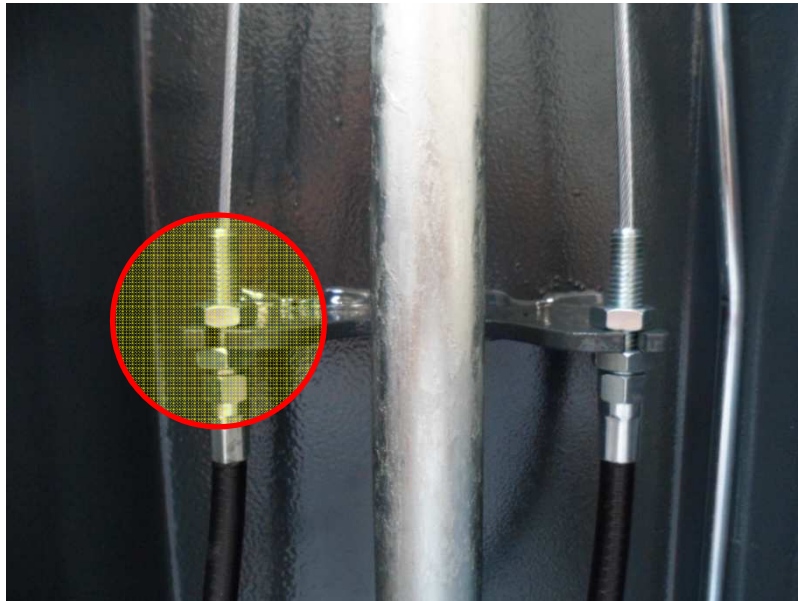


Micro Switch for Speed reduction:

- *Micro pressed, speed reduction off.*
- *Micro released, speed reduction on .*

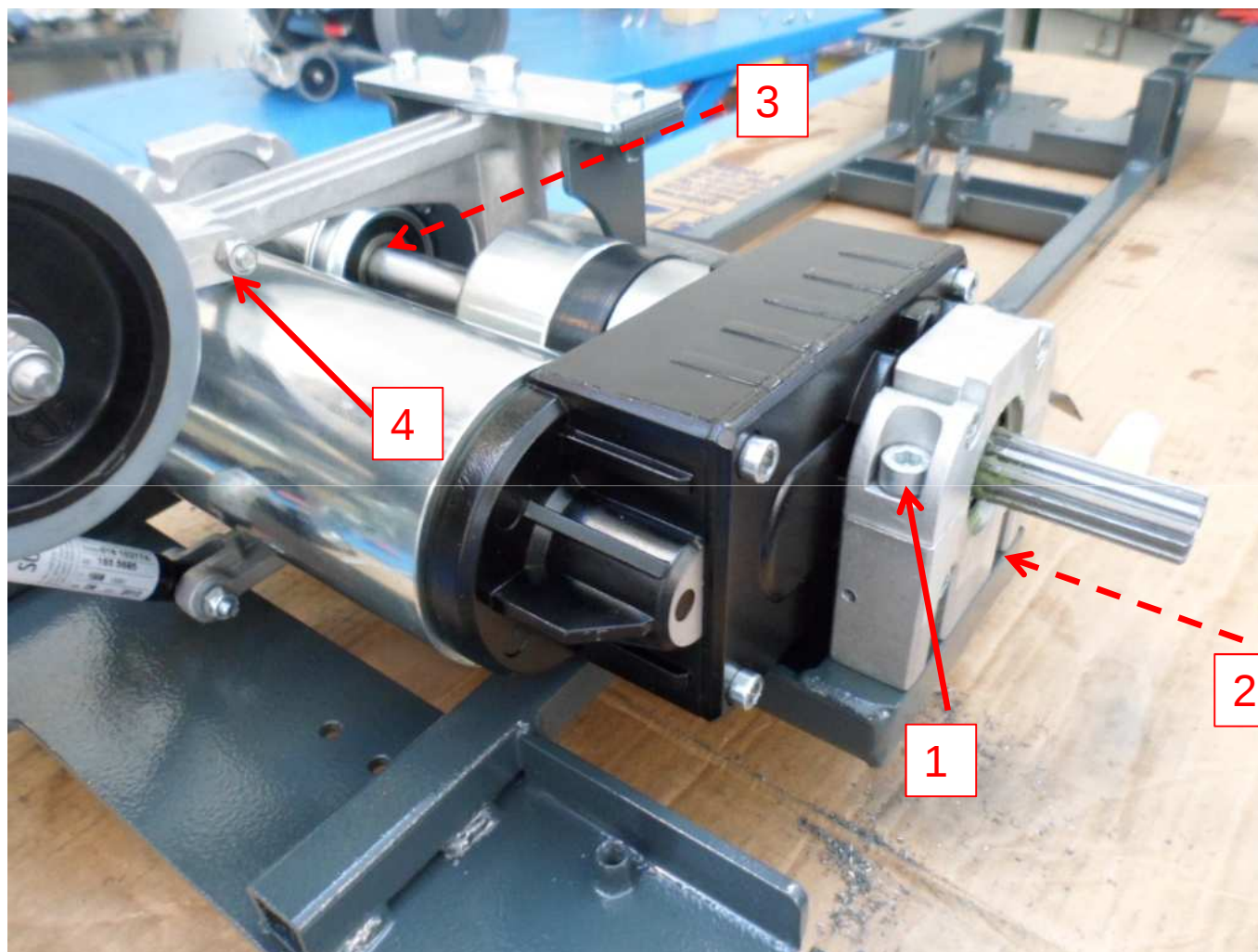
→ *Adjustment*

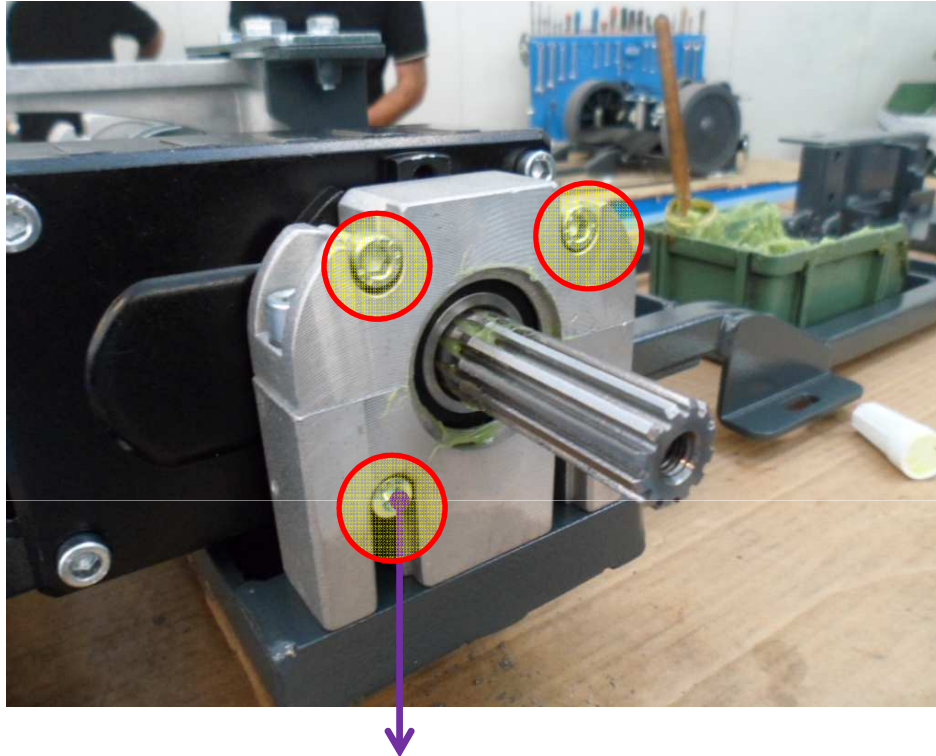
Brush deck enable and vacuum motor micro switch



Right Side

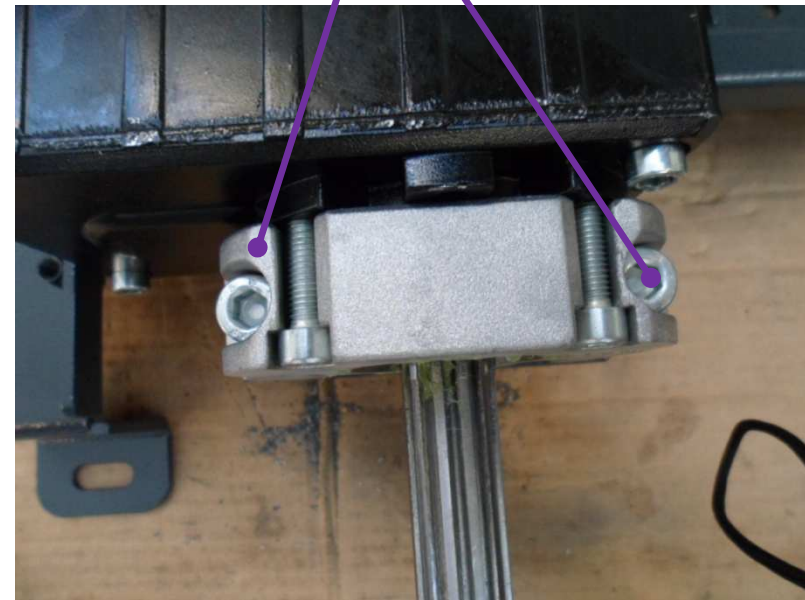
Left Side



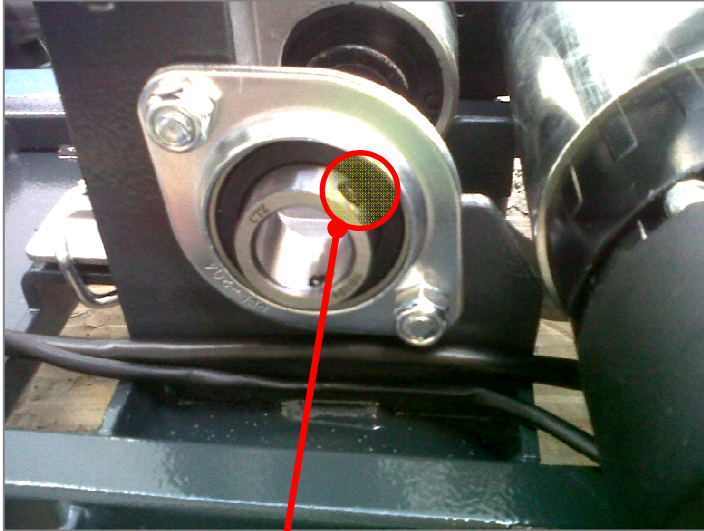


There are 4 screws on one side only. These screws adjust the inclination of the motor.

2 screws fixing each bearing support



Gear Motor



Dowels regulating the flange.

Right inclination of the geared motor. (It must touch the support)

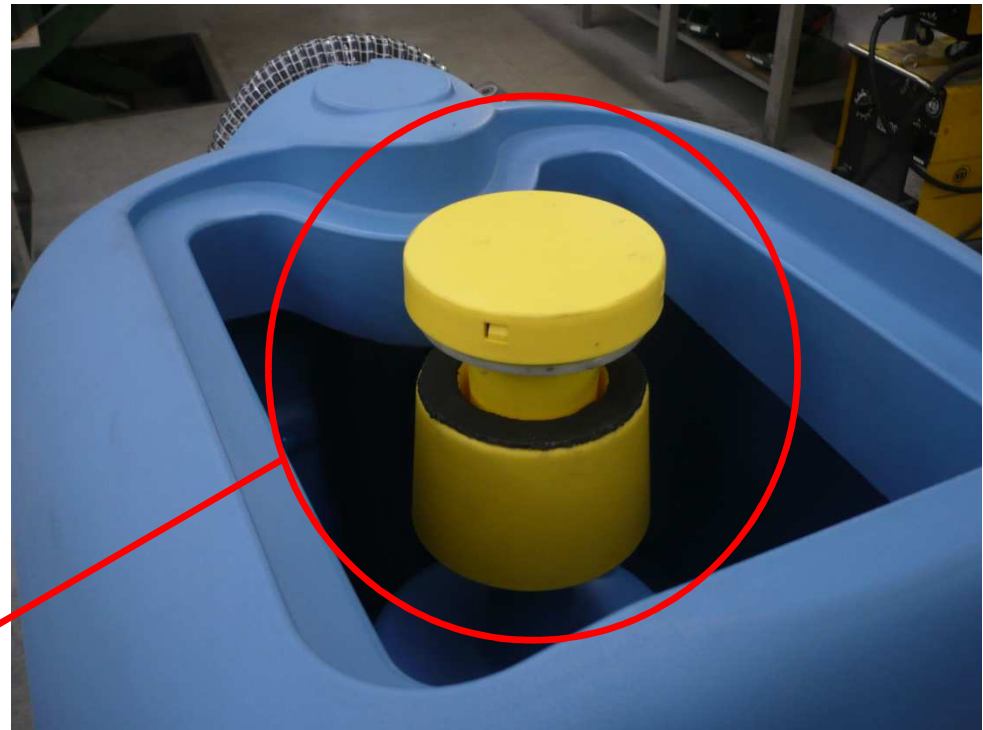


Recovery tank

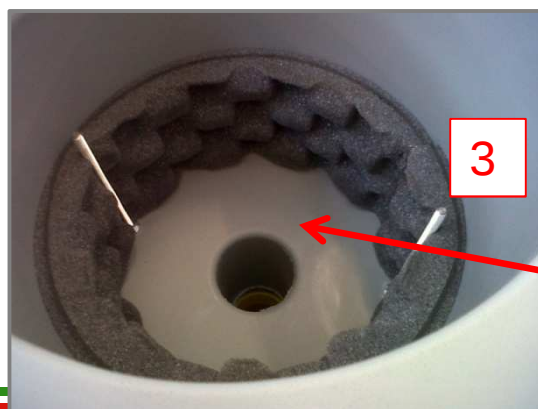
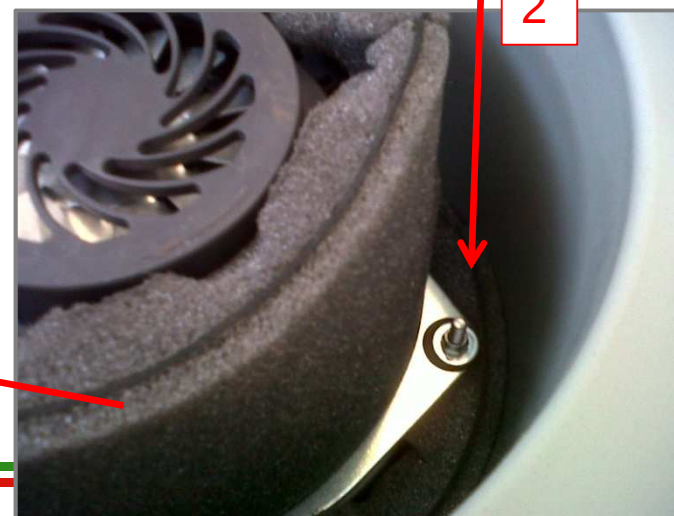


The suction filter is fixed on the support of the recovery tank. Replacement is easy.

Under the filter it is placed the float.



Suction Motor

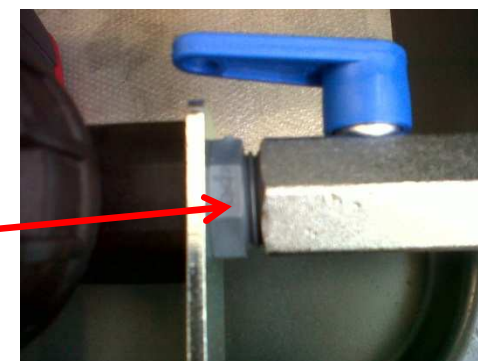


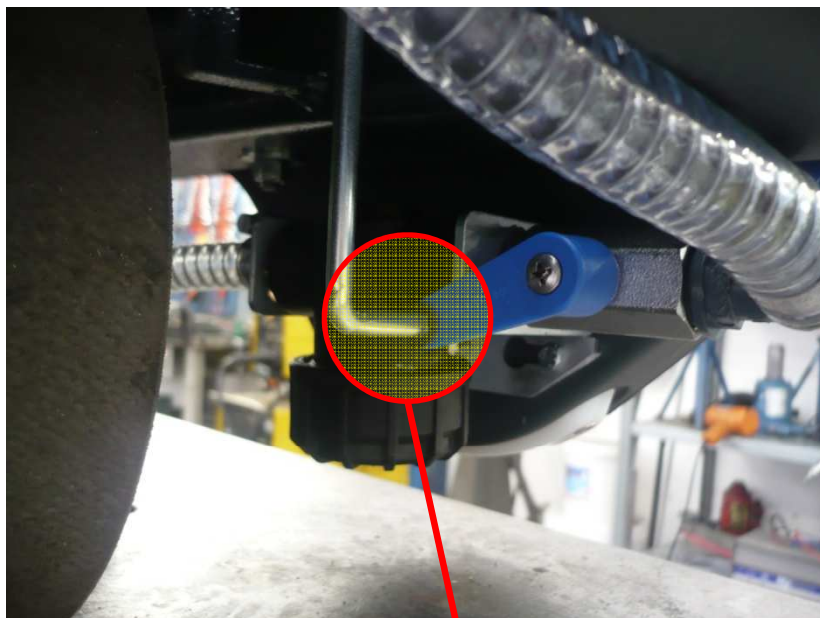
Water filter assembly



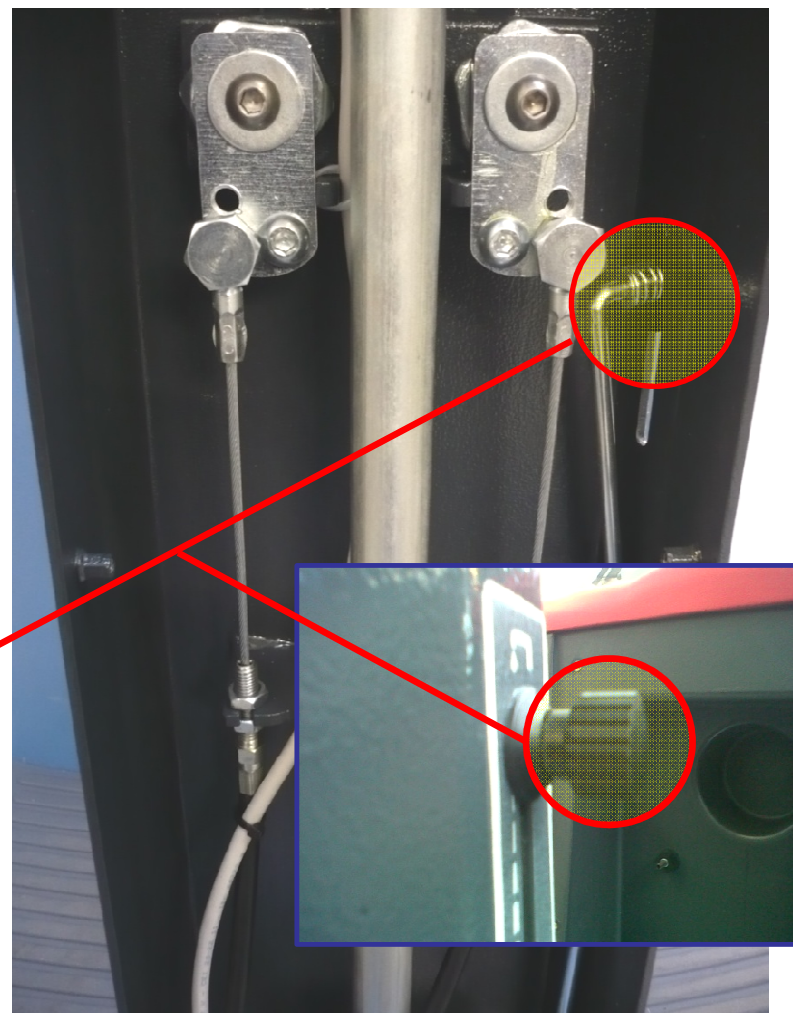
2

3

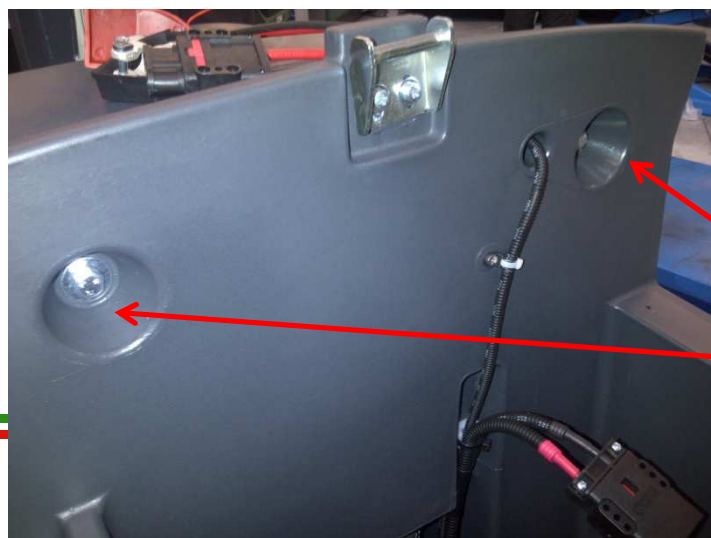




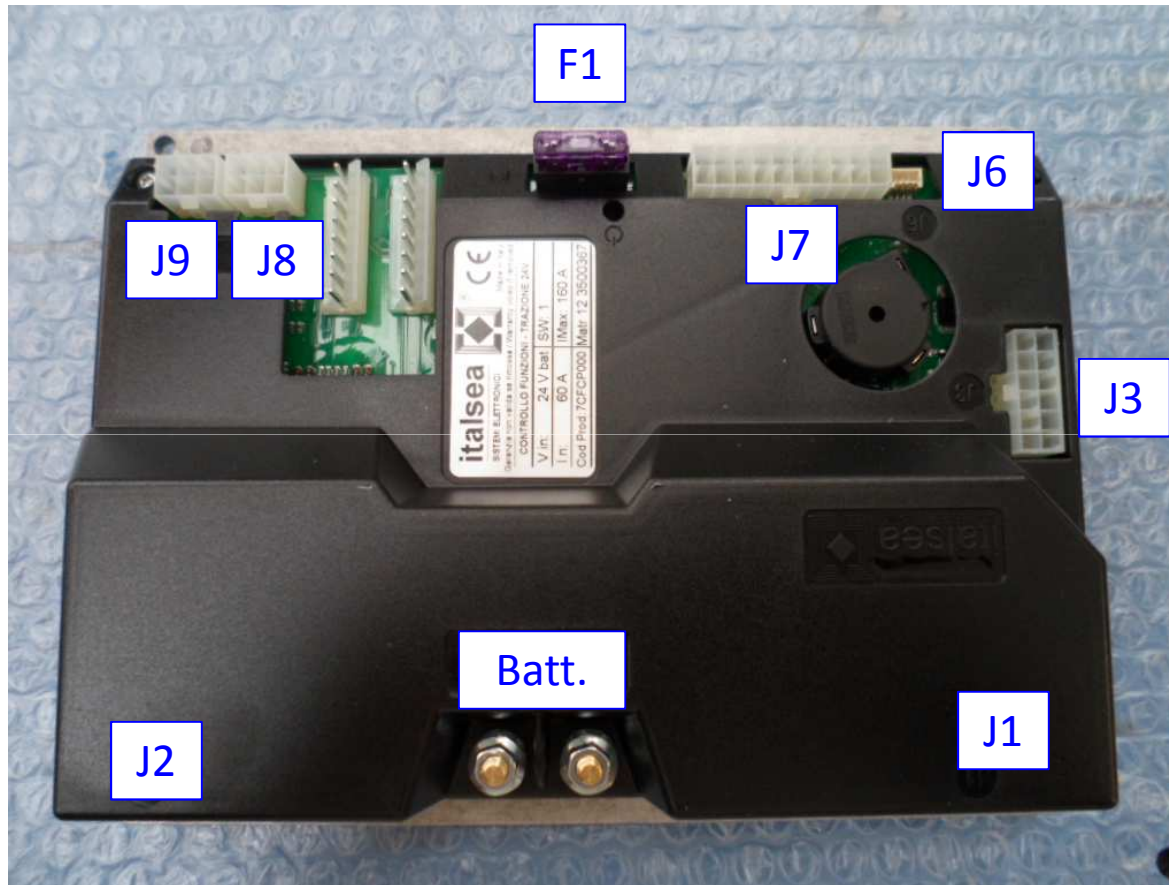
Cock lever



Operator on board microswitch



Electric Component Assembly



F1	General key fuse (3A)
J1	Brushes motor and suction motor
J2	Traction motor
J3	Solenoid valve, electric-brake, flashing
J6	Command buttons from steering wheel.
J7	Microswitches: squeegee, base, speed reduction on bends, backward inhibition, operator on board, drive control, potentiometer, battery charger.

Corso Tecnico

User (Operator) Menù

Language

Model

Battery

Reset Counter

Display Counter

Exit

Total / Brush /
Traction / Suction
Counter

Password

60

Advanced (Technician) Menù

General

Brushes

Pumps

Vacuum

Traction

Check/Monitor

Engineer

Exit

Engineer Menù

Corso Tecnico

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L'eventuale annullamento di uno o più punti del presente impegno non invalida gli altri punti.

Ogni controversia sarà devoluta in via esclusiva alla competenza del Foro di Verona.