

Service manual MullToa 55/65ai



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Update software with pcbbox

1. Move the toilet away from the wall.
2. Keep the toilet running
3. Remove the cover located on the back of the toilet.
4. Gently pull out the cable (visible inside) so you can access the connector.
5. Connect the pcb-box to the connector. The green indicator lights up to show pcb-box is connected. The toilet will first switch off and then restart.



Update software with pcb box

6. Press and release the white button on the pcb-box.



7. The toilet turns off and a red light on the box indicate the software being updated. When its done, the red light goes off and the toilet restarts.
The updating is finished.

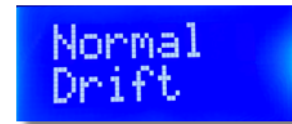


8. Gently disconnect the box. Put the cable back inside and replace the cover.



Put the display in service mode

1. First, press top button A and then lower button B. Hold both buttons down for about 10 seconds. A new menu will be shown on the display



Normal
Drift

2. Shift menu by pressing button A

1. In the first window you will see Besök = Visits
D = number of visits last 24hours
V = number of visits last week



Besök A
D0 V0

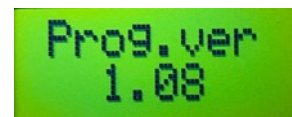
2. %D shows the liquid level during the period, first step is no liquid N0 and last step is full, N4.



%D 0 0
0 0 0

Five steps overall and shown in % for each step

3. Program version from 2018 its 1.09



Prog.ver
1.08

4. Indicator B (Givare)

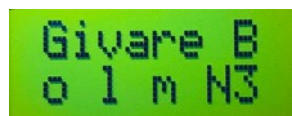
o = Mixermotor

l= Seatswitch for mixermotor

m= Level indicator compost volume

n= Liquid level tray (N/0 = no liquid) (N4= liquid

level high)



Givare B
o l m N3

5. Utg. C indicates if sensors are activated or not. Capital letter = activated (running) Small letter = not activated



UTG. C
M F B L

M= Mixer motor

F= Fan motor

B= Bottom heater

L= Top heater

Remove top part

NOTE! Before any service inside the toilet should be done the power must be disconnected.

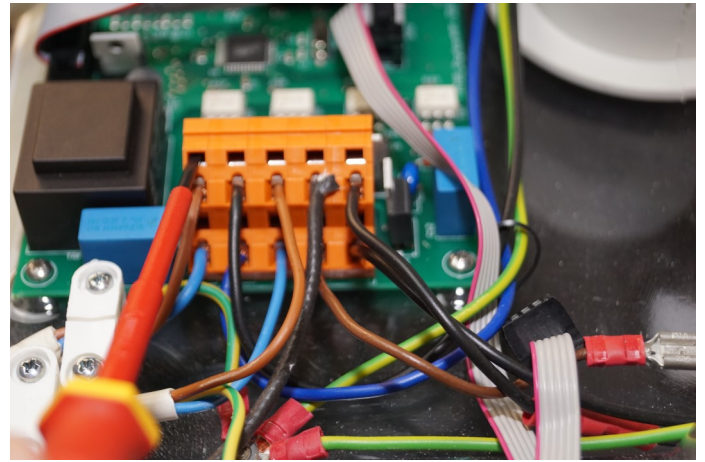
1. Move the toilet away from the wall.
2. Remove the screw on the back of the toilet holding the top part.
3. Remove the nut in front, under the toilet seat (holding the compost cover). Use a regular screwdriver.
4. Lift the top part straight up.
5. When putting the top part back, make it gentle and straight down.
6. Make sure that rubber coupling and the nut holding the compost cover goes through the openings and press gently the top part down. Be careful with the push buttons on the display.
7. Put the nut holding the compost cover and the screw holding the top part back.



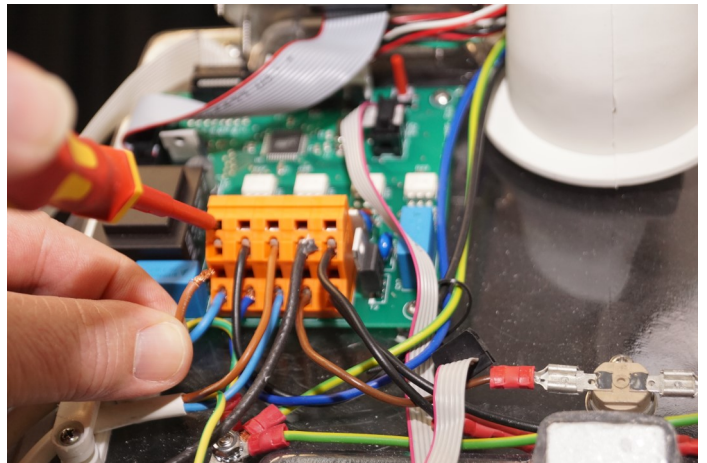
Disconnect and connect wires, terminal block

1. Remove top part (see page 6)

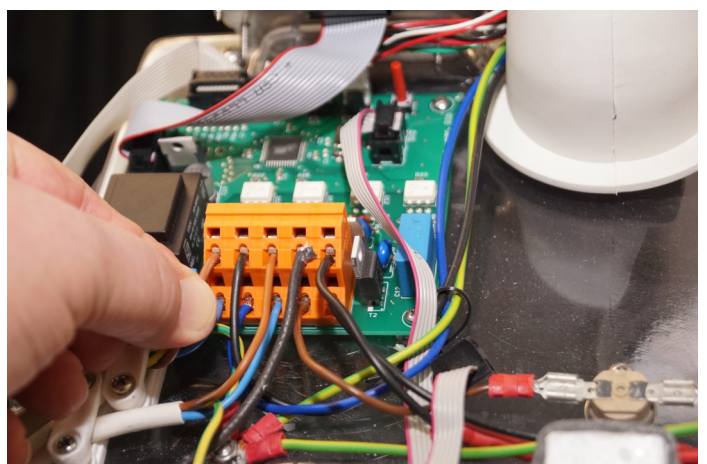
2. Use a small regular screwdriver 2-3 mm



3. Push the screwdriver into the hole above the wire connection. Push gentle and the lock that keeps the wire will release. Gently pull the wire while pushing the screwdriver.



4. When the wire is to be refitted it is done in reverse. Push the screwdriver into the hole above the connection, you feel the spring release, then put the wire into the opening. When the wire is in place, remove the screwdriver and the wire is fastened. Pull the wire to check that it is securely fastened.

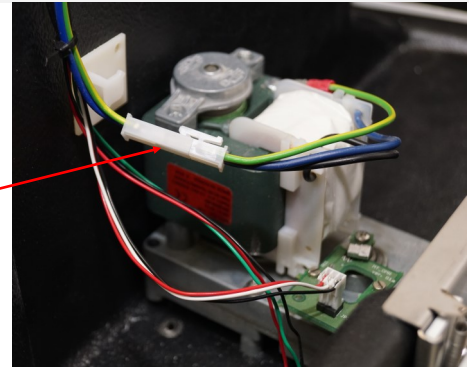


5. Put the top part back on.

Remove Electrical panel

Sid 1/2

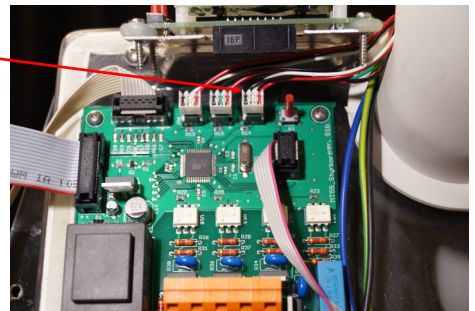
1. Remove the top part



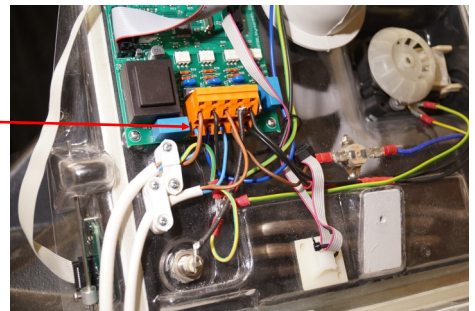
2. Loosen the quick release contact for the stirrer motor.

Loosen the 3 contacts on top of the main pcb board on the back

Note the order of these.



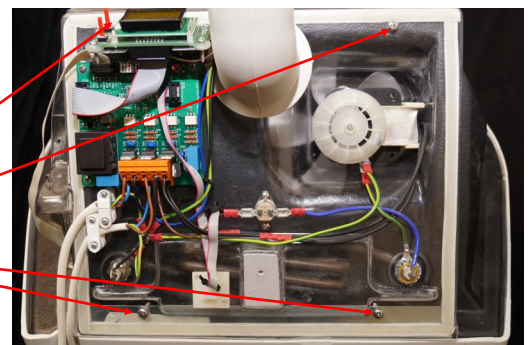
3. Loosen the connection to the bottom heater. Either by loosening the wires in the terminal block (picture) or with quick release contact (depending on model). Terminalblock, see in instructions on page 6



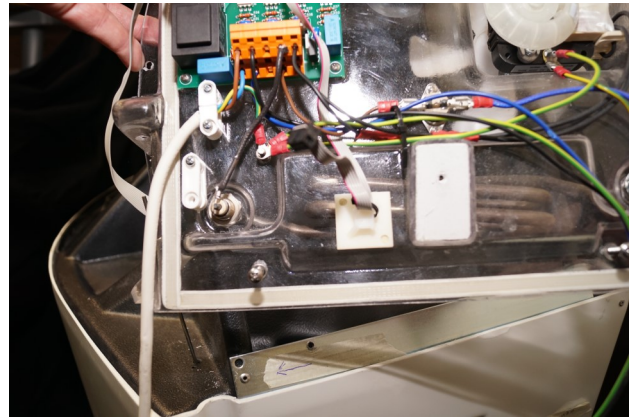
4. Remove the cable to the level indicator.



5. The remove the four screws that hold the electrical panel.

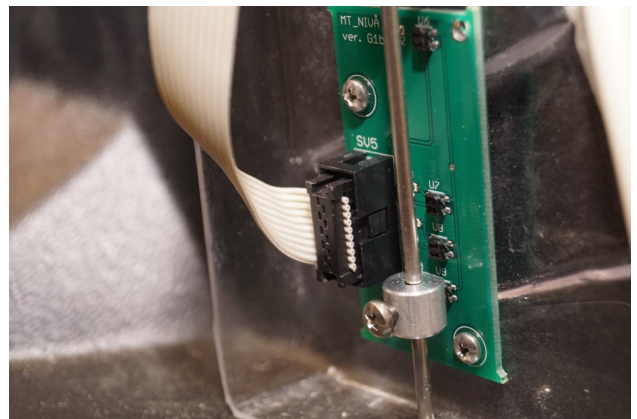


6. Remove the panel from the toilet.



7. To put the panel back, follow the points above, in reverse.

8. Always check the function of the replaced component and the level indicator before the top part is put back. The rod should easily move up and down. Connect the power and put the display in service mode (see in instructions, page 5) reading "Sensor B" and then lift the rod to adjust the check the level sensor if necessary (page 16) , read the letters that indicate activity.

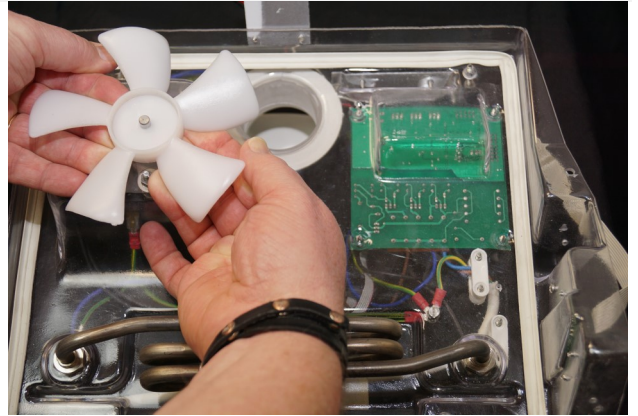


9. Put the top part back on.

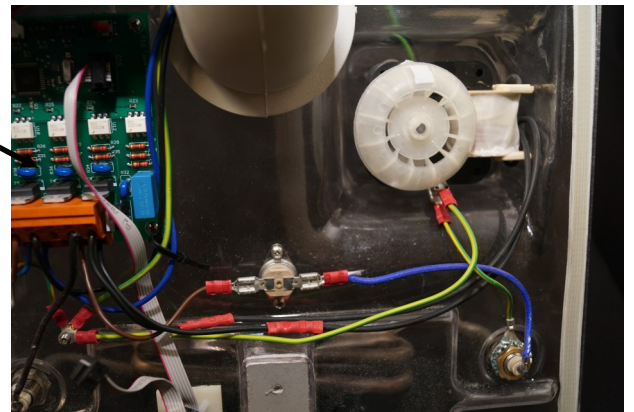
Replacing Fanmotor

1. Remove the top part (page 6)

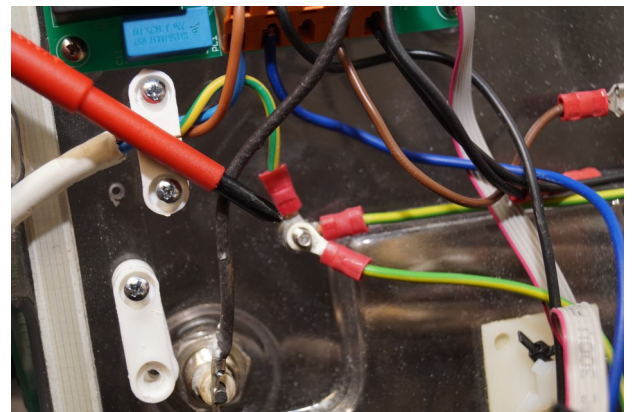
2. Remove the electrical panel (page 8 and 9). Pull off the big fan blade at the back of the panel. Pull the fan blade off the shaft by hand without prying.



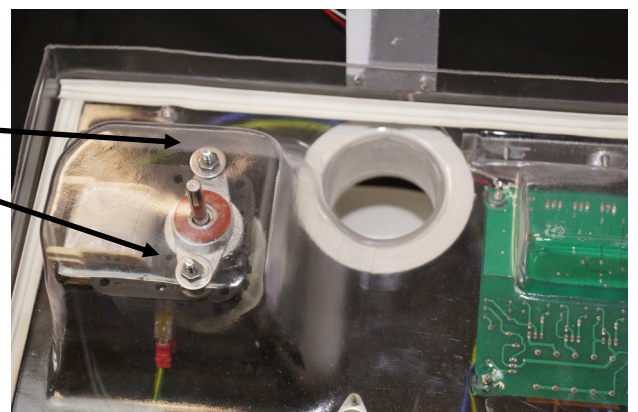
3. Pull the quick connector or spade connectors (depending on model) to the power supply.



4. Pull off the ground wire.



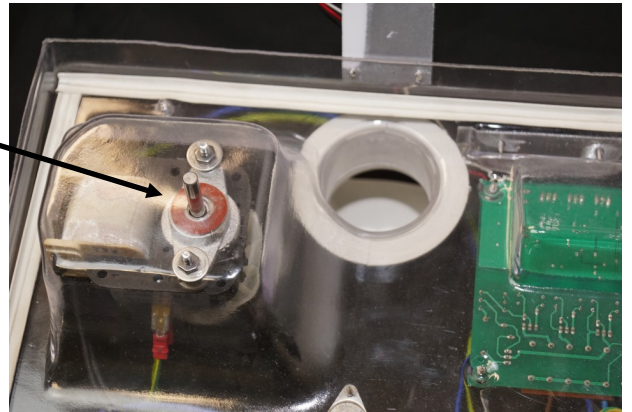
5. Remove the 2 nuts and washers that hold the motor.



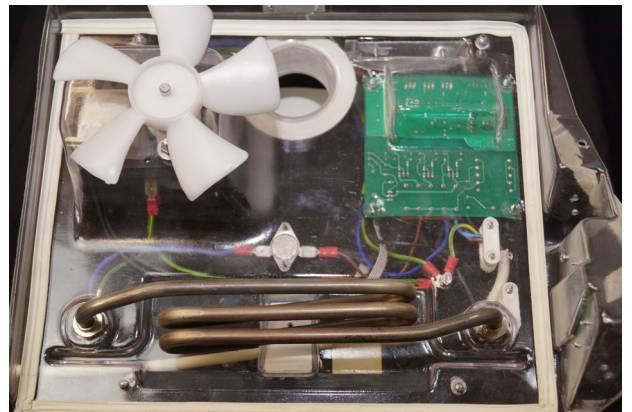
Replacing Fanmotor

6. Remove the fan motor

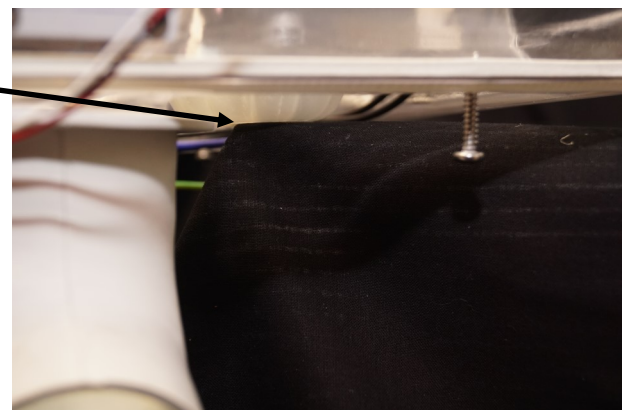
7. Put in the new motor and make sure that the rubber gasket is centered. Fasten the two nuts and washers holding the motor.



8. Press the new fan blade onto the shaft.



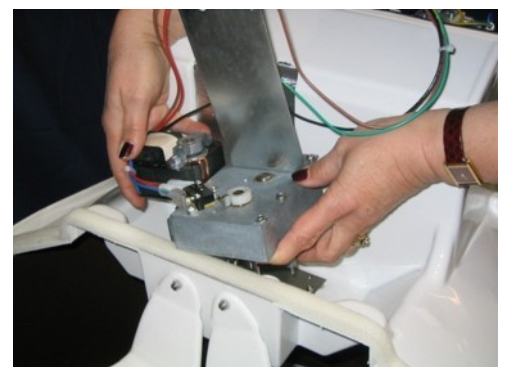
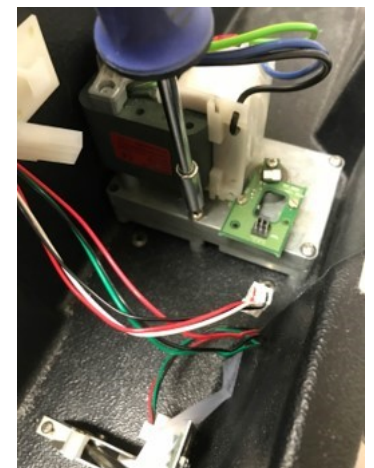
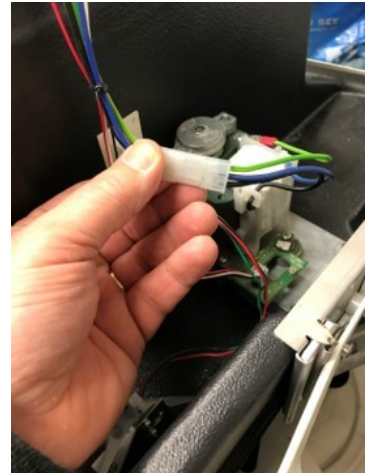
9. Connect the wires.



10. Put the electrical panel back, fasten with four screws. Test it before putting the top part back on.

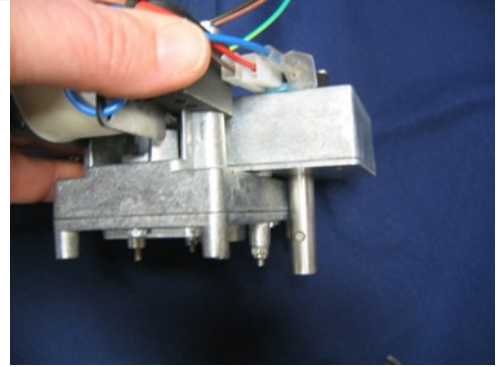
Replacing shearpin

1. Take the top part off (page 6).
2. Loosen the quick contact to stirrer motor
3. Loosen the cable from pcb board and the power wires.
4. Loosen the 4 screws holding the stirrer motor (the gearbox).
5. Lift the motor.



Replace shearpin

6. Remove the old shear pin, use a hammer and the new shear pin. Make sure that the shaft is resting on something solid.



7. Put in a new shear pin. Use a hammer to knock it in.



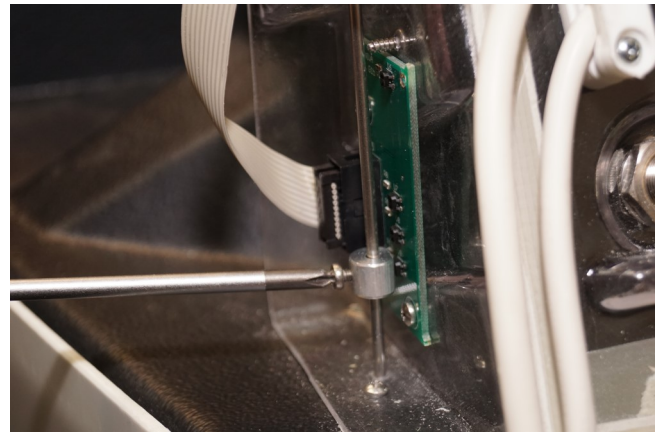
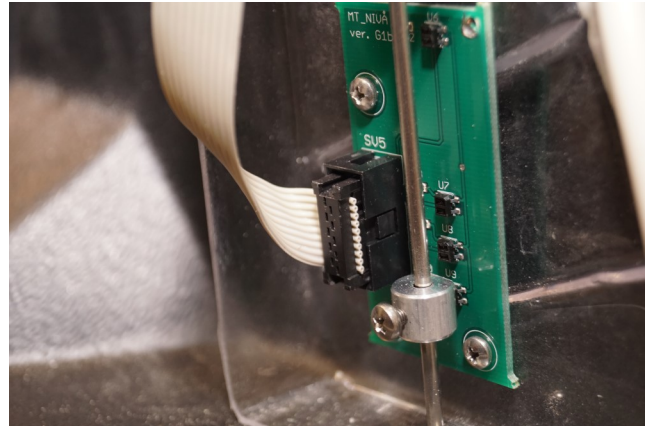
8. Put the motor back and make sure that the bottom rake is in the correct position before mounting the motor.



9. Put the top part back on.

Adjusting the liquid level sensor

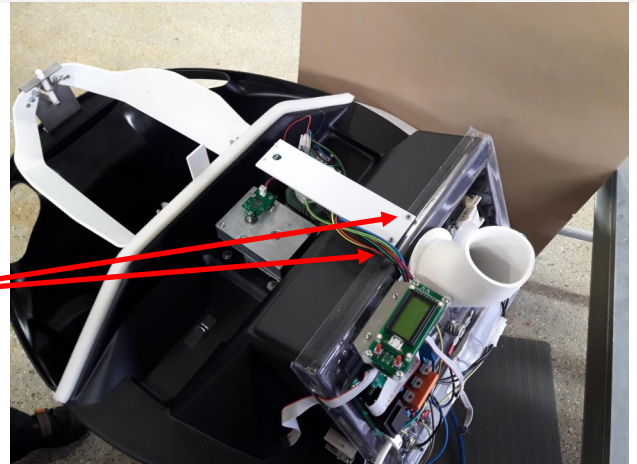
1. Take the top part off (page 6)
2. Make sure that the rod is standing on the float in the humus tray. The tray has to be empty and the float in position. Use a flash-light.
3. Check the height of the indicator. Adjust if it is not in the center of the lowest sensor on the pcb card.
4. This is done by loosening the screw that holds indicator in place.
5. Adjust the height so that the center of flat side of the indicator is in front of the sensor on the pcb-card. Fix indicator by tightening the screw.
6. To make a function control;
Turn the power on.
Put the display in service mode (page 5) and go to the menu "Givare B".
It should be in N0 from start and when you lift the levelindicator upward, then the display will switch to N1, N2, N3 and to highest level N4
7. Put the top part back on.



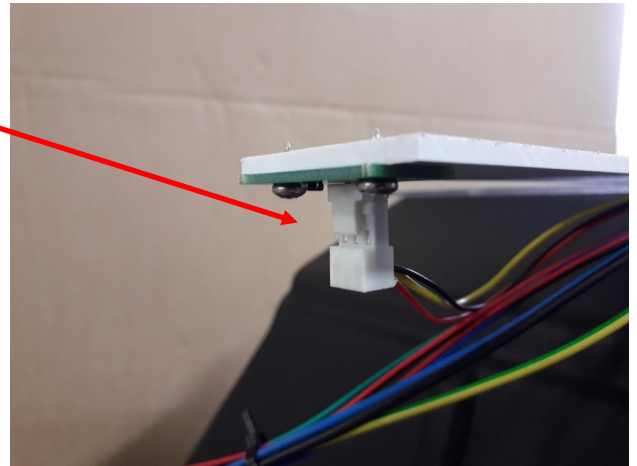
Replace magnet sensor seat

1. Take the top part off (page 6)

2. Remove the 2 philpsscrews holding the console above the motor

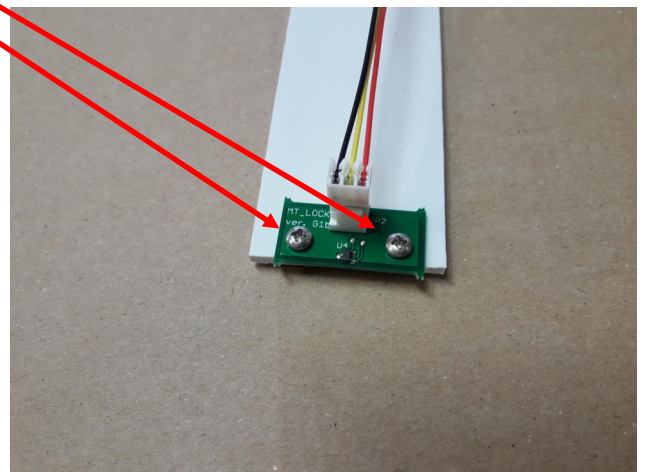


3. Disconect the contact in the pcb (magnet sensor)



4. Remove the screws holding the pcb board

5. Mount the new pcb (magnet sensor), put the contact and consol back in reversed order



6. Mount the top part and test.