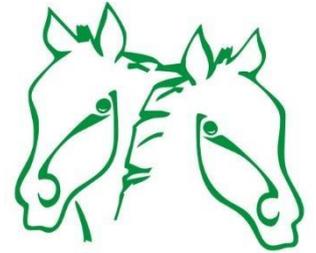


English



Valetudo Horse Products

Service manual Replace controller



Valetudo Horse Products BV

FeedingMaster Pro

The FeedingMaster Pro is produced by:

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Dear customer,

We are sorry that your FeedingMaster Pro has malfunctioned. Fortunately, it is easy to repair with the parts provided and this service manual. This manual explains how to do this, so please read the manual carefully.

Pay extra attention to sentences preceded by one of the following words:

WARNING: If the indicated instructions are not followed, there is a risk of serious injury to you or your horse.

TIP: Useful information that helps you perform certain steps more easily or check them in another way.

We would like to see you satisfied. If you have any questions about certain steps, please feel free to contact us at Service@VHProducts.eu. We will do our best to answer your question within 24 hours.

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1. Safety Instructions

Before starting the repair, you should be aware of the risks involved if you do not fully follow the instructions in this manual.

The following important safety precautions must be observed when working on a FeedingMaster Pro:

- Certain parts in the controller carry the mains voltage. Never open the housing of the controller when the FeedingMaster Pro is connected to the mains.
- During a fault, the FeedingMaster Pro may suddenly switch on or off parts of the drive. Therefore, never carry out service work when the FeedingMaster Pro is connected to the mains voltage.
- Never make any adjustments to the FeedingMaster Pro other than described in this manual.

WARNING: Remove the mains plug from the wall socket and wait at least 10 seconds before starting any service work.

2. Introduction

This service manual describes how the malfunction can be repaired step by step. A checkbox is placed before each step. It is advisable to check this off when the step has been completed. This prevents a step being swapped or skipped.

Is a certain step not clear or do you have other questions? Then you can always contact us, we are happy to help you.

TIP: It is advisable to place a blanket or piece of cardboard in and in front of the FeedingMaster Pro. If small parts accidentally fall, you will not lose them in the sawdust or other ground covering.

3. Replace controller

- [] Switch off the FeedingMaster Pro by removing the mains plug. Wait 10 seconds for the display to turn off.



- [] Open the grid



- [] Remove the two allen bolts holding the controller using a 5mm allen key.



- [] Grab the controller and tilt it forward as far as possible.



- [] Lift the controller between the mounting brackets.



- [] Tilt the controller 90 degrees clockwise and place it on the right mounting bracket.



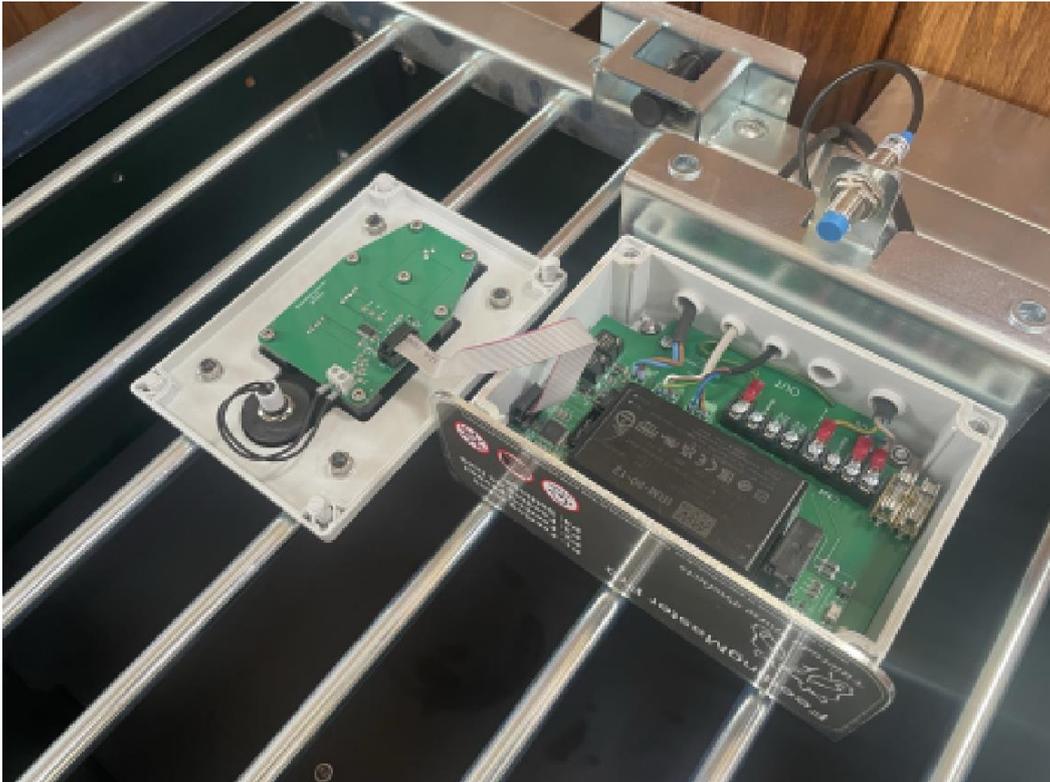
[] Close the grid and place the controller on the grid.



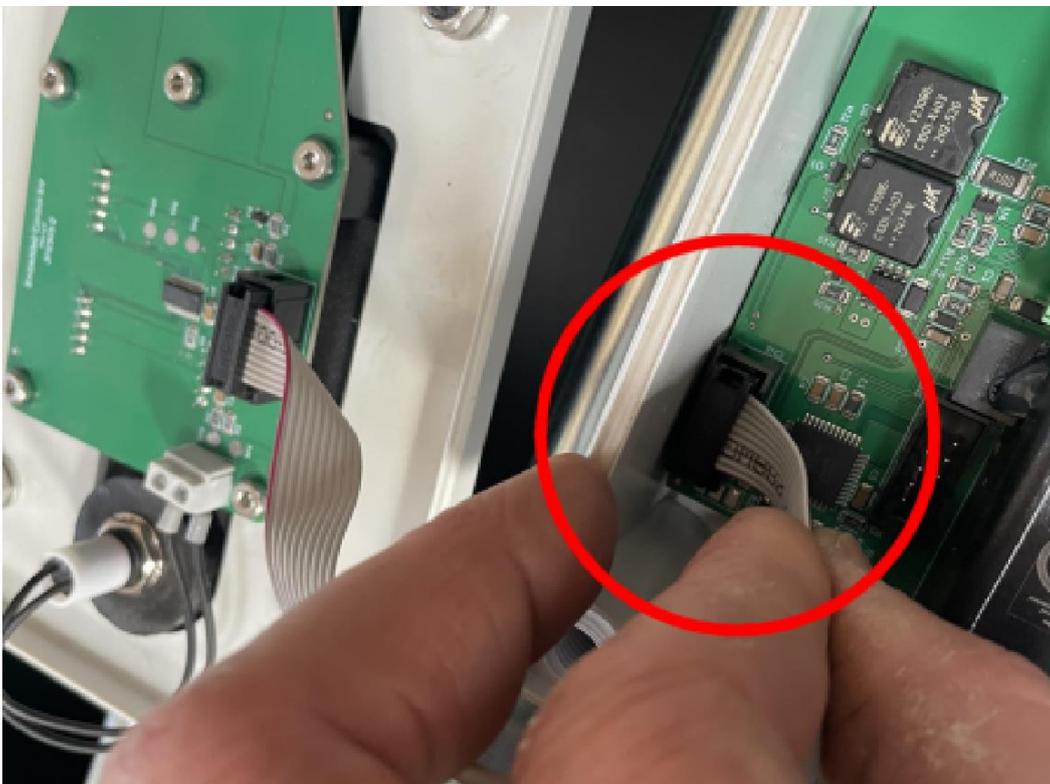
[] Unscrew the 4 bolts from the front of the controller housing with a Phillips screwdriver. The bolts are secured to the front of the housing. These can only be unscrewed, but not removed.



- [] Lift the front of the controller housing and place it to the left of the controller.



- [] Remove the plug from the display cable. Grab it as close to the black plug as possible and then gently pull it up and out of the connector.



[] Remove the plugs from the motor, height sensor and grid sensor.



[] Remove the strain relief from the cable.



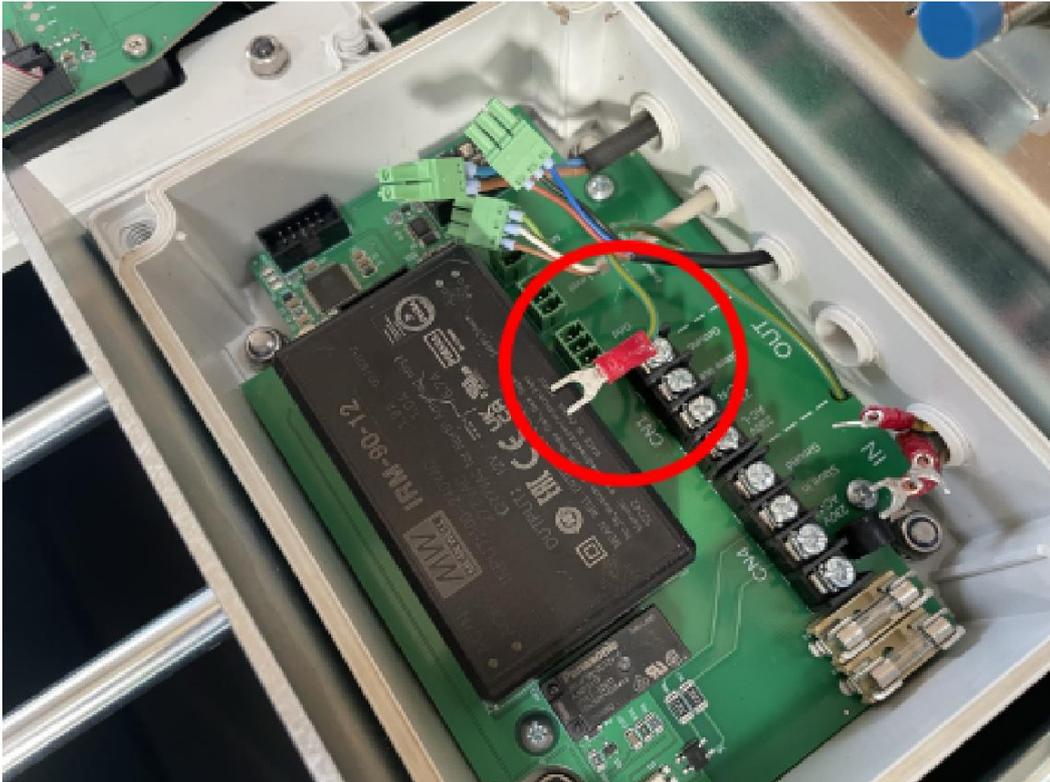
[] Gently pull the cable out of the housing as far as it will go.



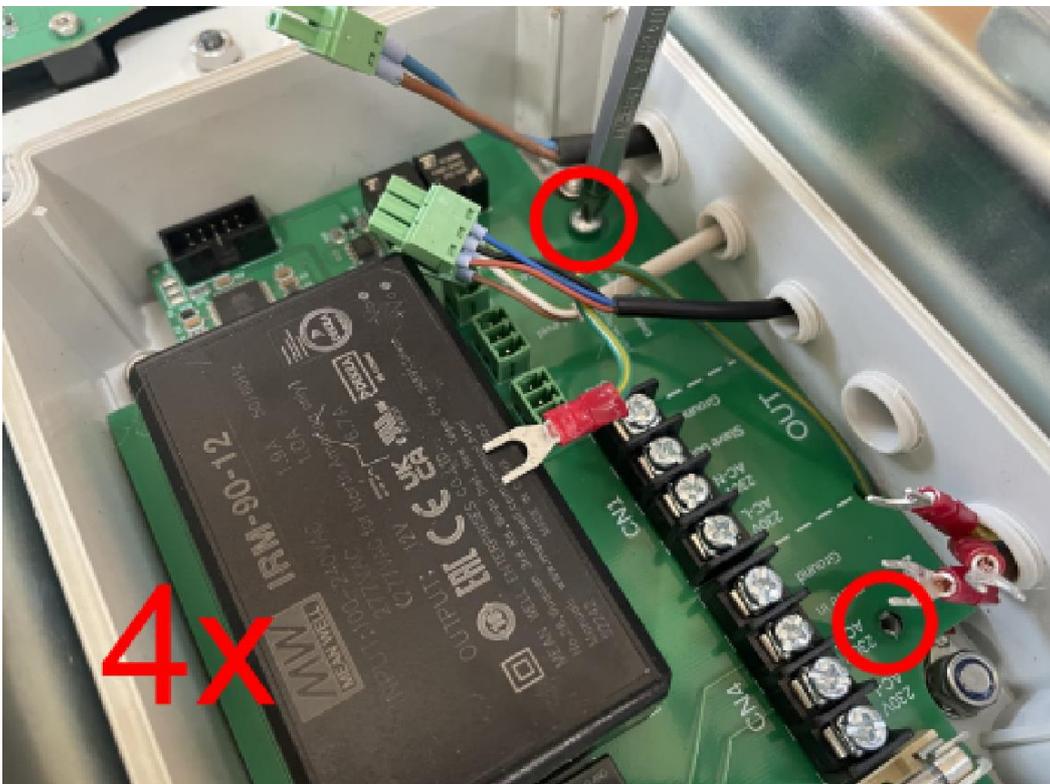
[] Unscrew the three connections of the power cord on connector CN4.



[] Unscrew the ground connection of the connector CN1.



[] Unscrew the four screws holding the controller in the housing. Use a Phillips screwdriver to do this.



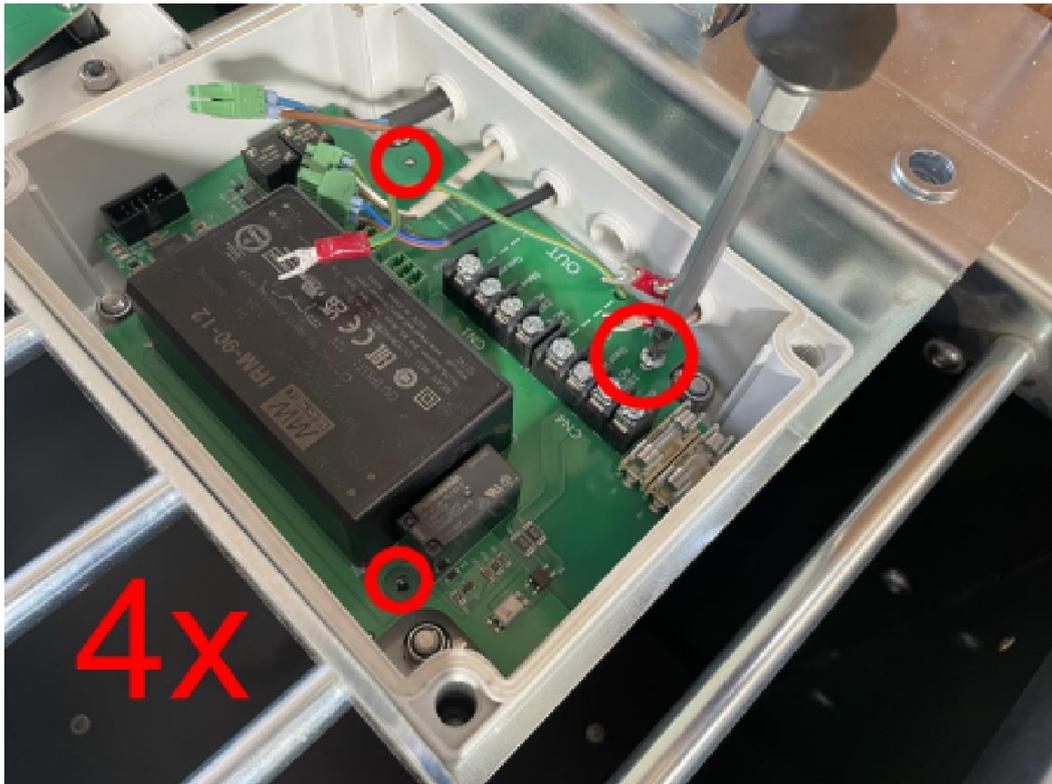
- [] Remove the controller by tilting it up out of the housing.



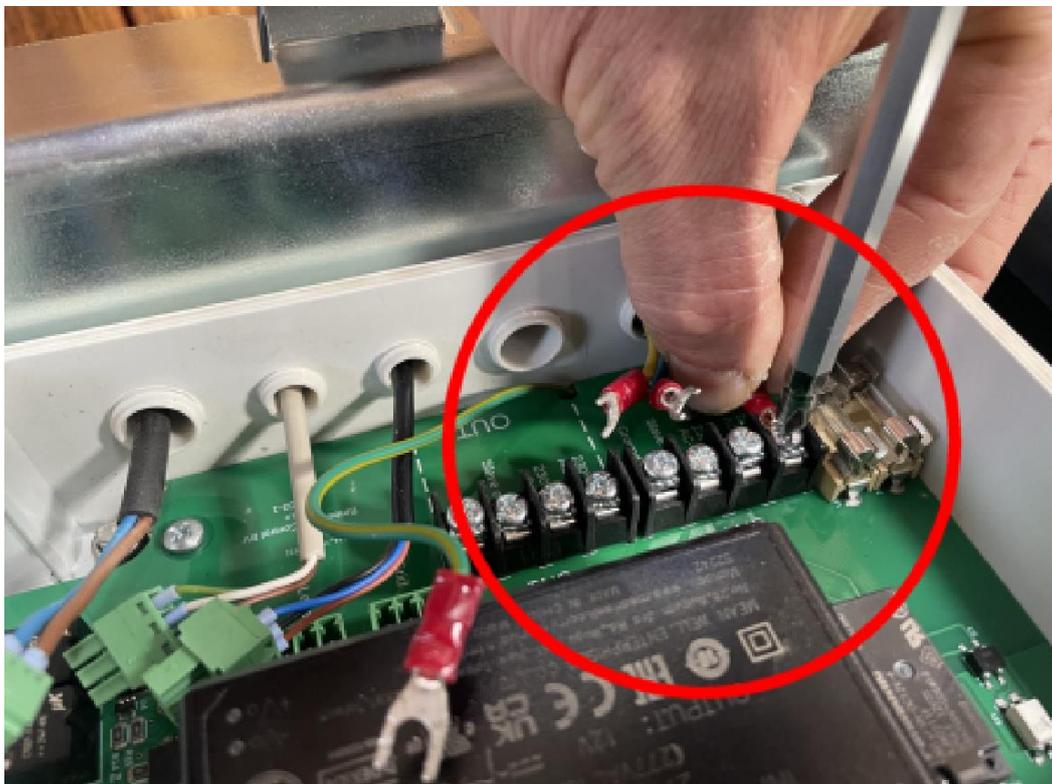
- [] Place the new controller in the housing. Make sure that all cables are above the control. The ground wire should come up through the cutout in the controller.



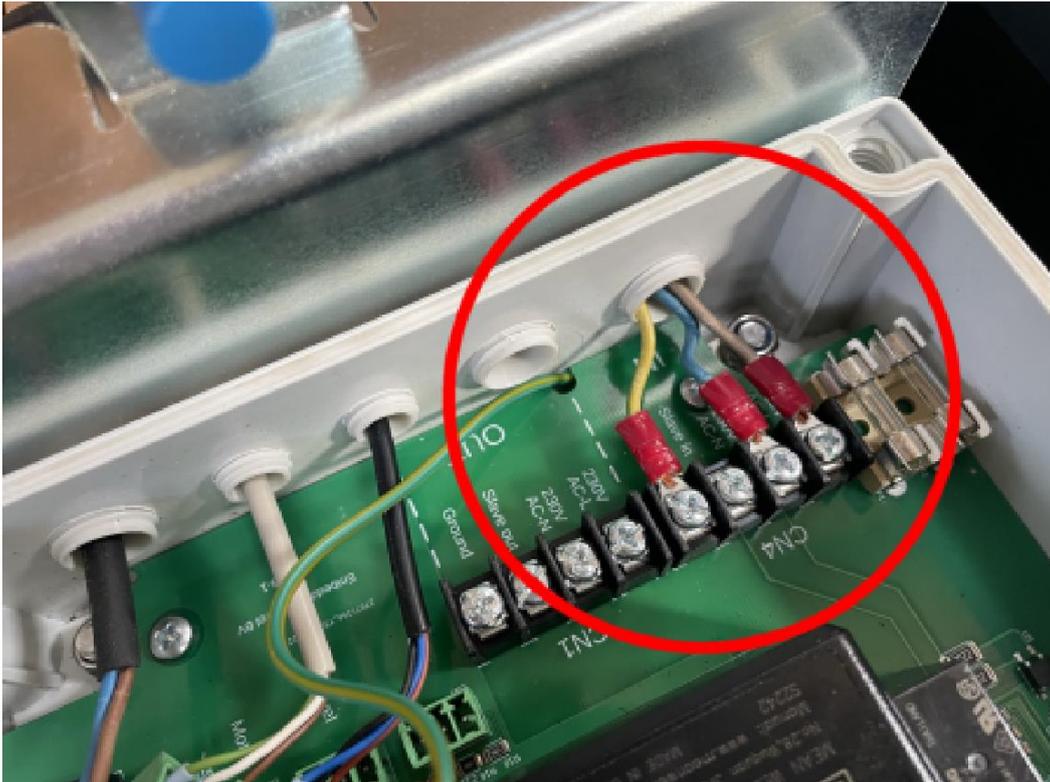
[] Secure the controller with four M3x9 self-tapping screws.



[] Slide the cable lugs attached to the connecting wires of the power cord under the connector screws labeled C4 and tighten.



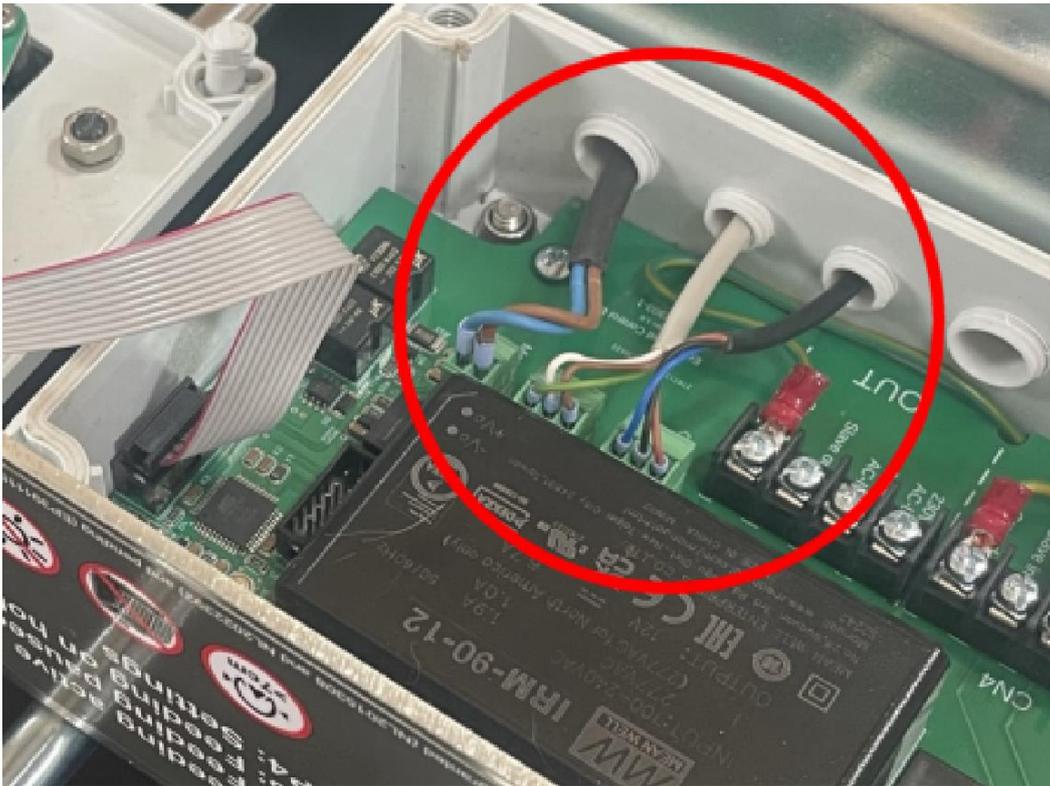
- [] Check that the wires are connected correctly.



- [] Gently pull up on the connecting wires of the power cord as the power cord feeds through the strain relief into the housing. The sheath of the power cord should show a small piece. Tighten the strain relief.



- [] Insert the grid sensor, height sensor and motor plugs into the receptacles labeled “Grid”, “Level” and “Motor”. Insert the plugs in the same order as they enter the controller housing.



- [] Place the front of the housing above the housing. Carefully press the cable of the display into the corner of the housing.



- [] Place the front of the housing on the controller housing. Check that there are no connecting wires between the parts and that the front of the housing rests neatly on the back of the housing.



- [] Secure the front of the housing by finger-tightening the four nuts. Tighten the nuts 1/8 turn of the screwdriver.



WARNING: If the nuts are tightened too hard, the silicone gasket between the front and back of the housing will be crushed and the two parts will no longer be watertight. Moisture can then condense in the housing, causing the controller to malfunction.

[] Place the controller on the right mounting bracket.



[] Open the grid.



- [] Grab the controller and tilt it forward. Lower the controller between the mounting brackets. Hook the grid sensor into the recess under the grid closure.



- [] Tilt the controller back. Secure the controller with two M8x60 countersunk bolts.



- [] The grid must be **open** before the FeedingMaster Pro is switched on. This ensures that the extra option in the settings menu becomes visible to recalibrate the FeedingMaster Pro. Switch on the FeedingMaster Pro by inserting the plug into the earthed socket. Wait until the FeedingMaster Pro has started up and two dashes appear on the display.



- [] Press the green controller button and select program P4.



- [] Choose setting 6 to calibrate the FeedingMaster.



- [] After selecting S6, a 0 appears in the display. Change this to a 1 to confirm that the calibration routine should be started, then release the controller button.



With

- [] C1 appears on the display to indicate that the lower feed floor position has been calibrated. Then close the grid.



- [] C2 appears on the display to indicate that the highest position of the feed floor is about to be calibrated. Wait until the feed floor has risen completely. After finding the highest position, the feed floor will lower a little bit.



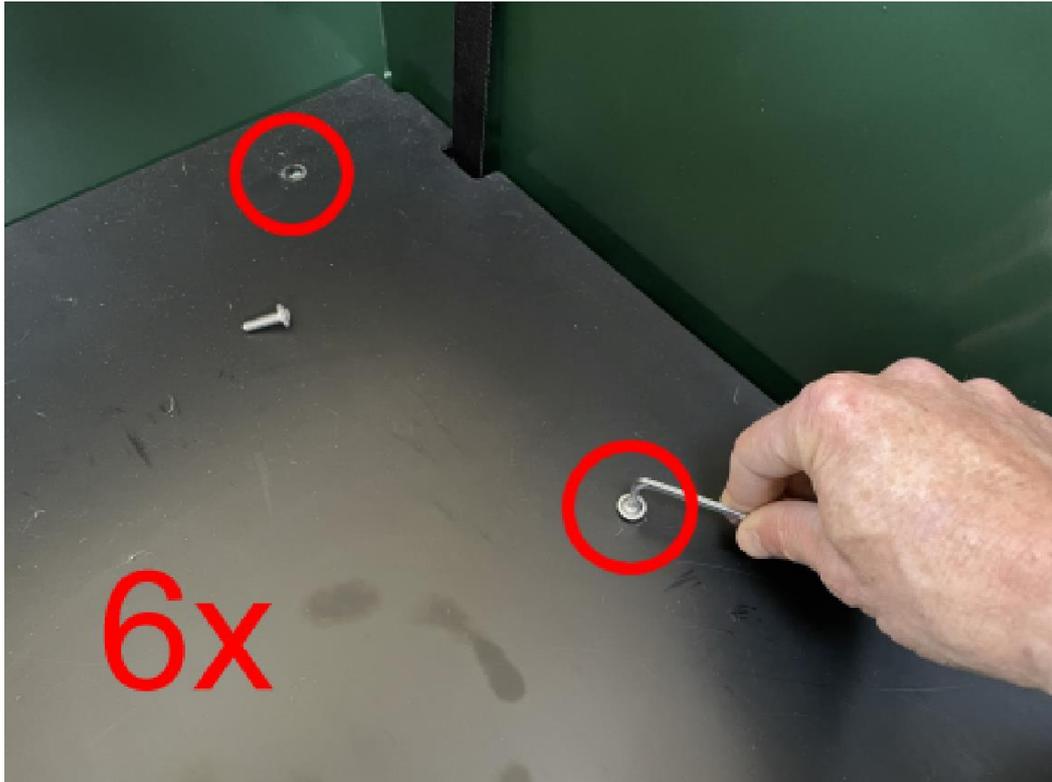
If an error is found while executing the calibration routine, the routine will be stopped and the error message E6 will be shown on the display. This can be due to the following reasons:

- If C1 is not displayed, but E6 appears immediately, the grid is closed when selecting S6 in the settings menu. Make sure the grid is open before starting the calibration routine. It is also possible that the grid sensor is defective and gives a false message that the grid has been placed.
- If C2 is displayed but the feed floor is not pressed completely against the grid, after which E6 appears, it is possible that the motor is running too hard. Lubricate it as directed in the owner's manual.

[] Open the grid. The feed floor lowers to the filling position. Wait until the feed floor has stopped moving. Place the feed floor on the feeding mechanism. The dull side is facing up and the slots in the front for the lift bands are as close together as possible. At the rear there are recesses in the corners for the bolts that attach the mounting brackets to the FeedingMaster Pro.



[] Secure the feed floor with six M6x20 flange bolts.



Your FeedingMaster Pro is now ready for use again. Since the settings are set to factory defaults, you will need to reset the feeding and non-feeding times.