

# Maintenance Manual

## Schwalbe tube vending machine

	Page
1. Opening the door.....	2
2. Removing the tray.....	3
3. Dismantling the cabling.....	5
4. Removing coin receiving unit.....	6
5. Removing credit device.....	9
6. Setting of the metal brackets.....	14
7. Setting the Coin return button.....	15
8. Space between the keypad.....	16
9. Assembly of anti-theft protection ...	17
10. Sticking coins .....	18
11. Changing the price.....	19



## 1. Opening of the door



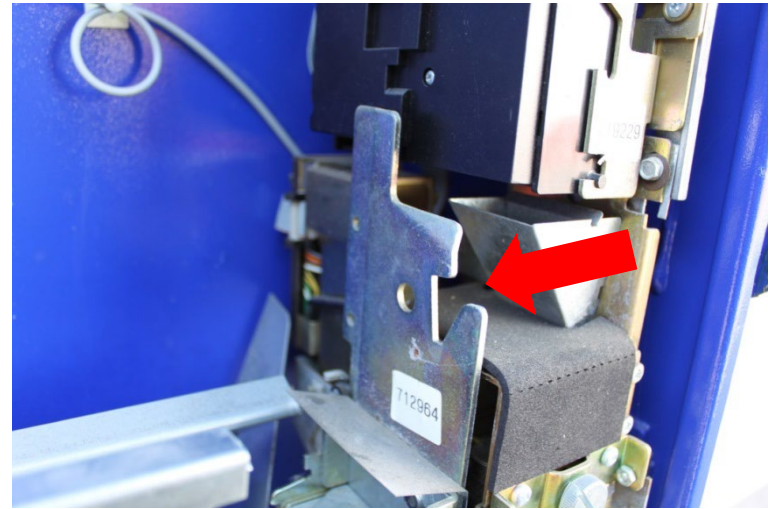
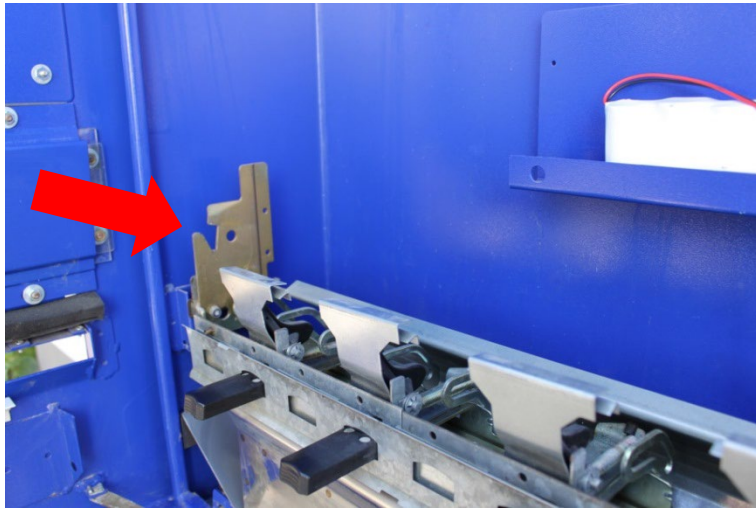
In order to open the door first unlock the upper and then the lower lock.

## 2. Removing the tray



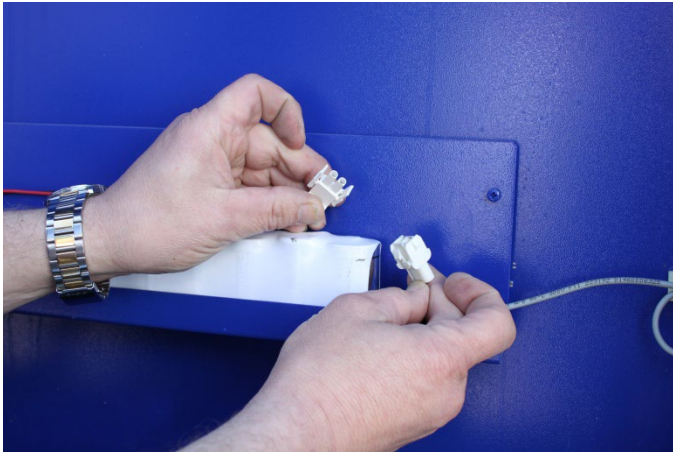
First move the tray to the front and then lift up from the bottom.  
Attention: Risk of injury because of sharp tray chambers!



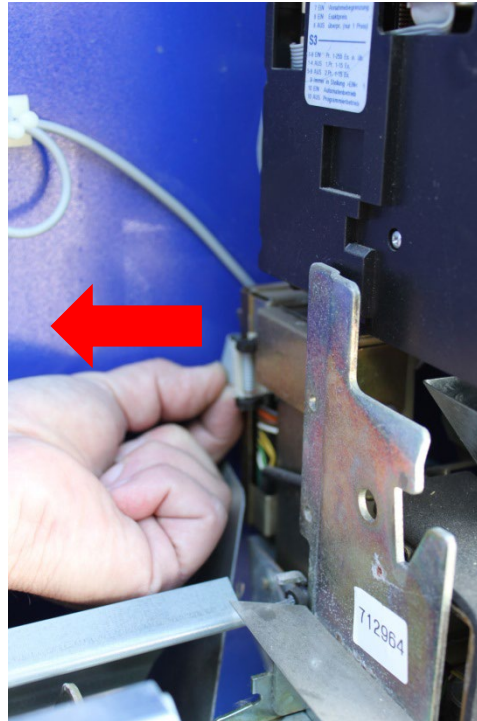


Fixings for the tray are on the left and right side. Fittings for the tray need to be put here. The tray needs to be mounted centrally and needs to be tiltable without any effort.

### 3. Dismantling the cabling



Disconnecting the battery  
(please see: page 7)



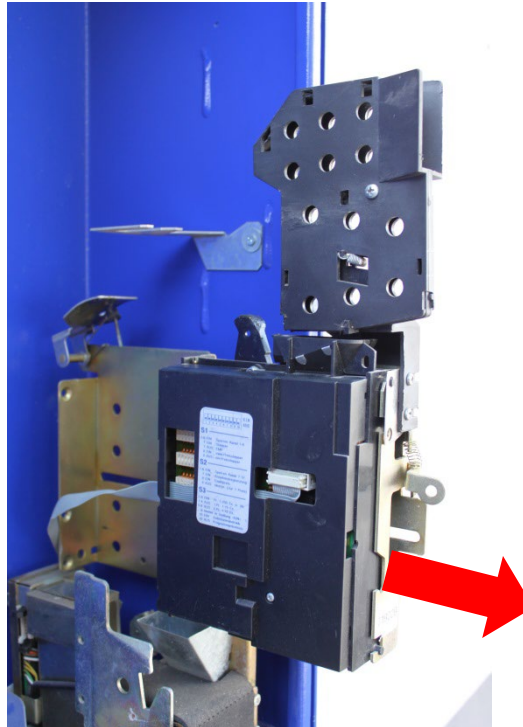
Disconnect the cable (to the coin receiver) at credit device



#### 4. Removing coin receiving unit



Pull the clip up



Pull out coin receiver slide

Please note while reassembling: slide needs to click into place, please do not trap cable



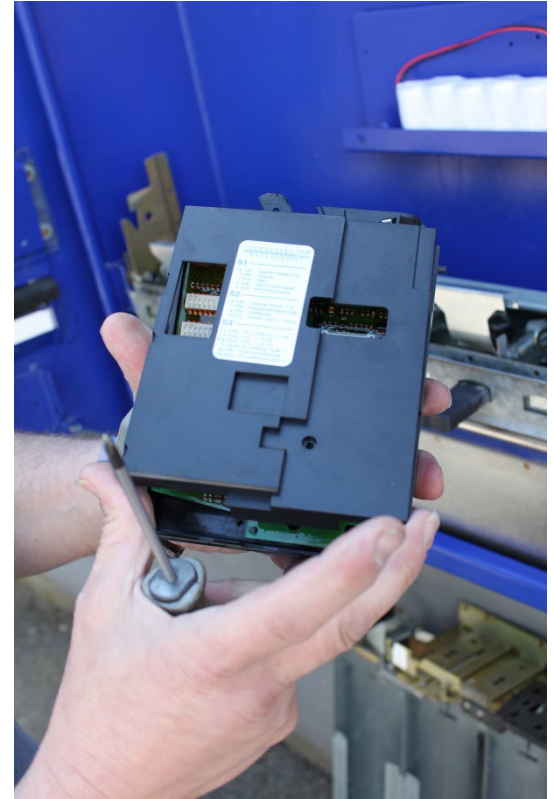
Unlock coin receiver by pulling out the perforated metal plate. Move coin receiver towards the top left.



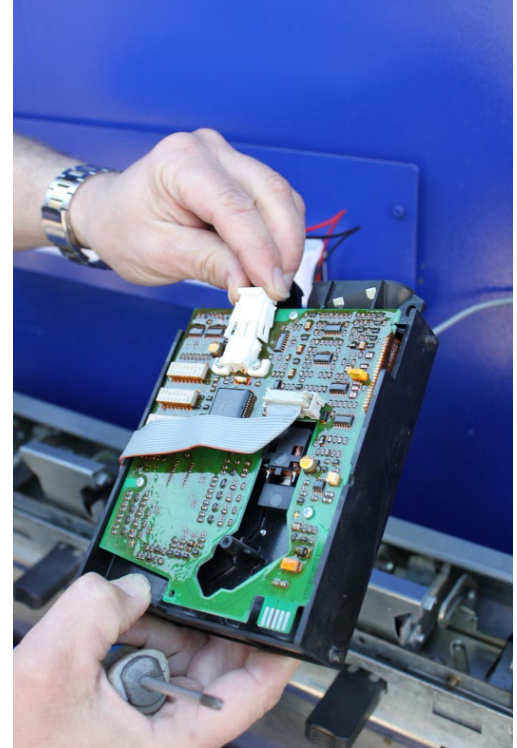
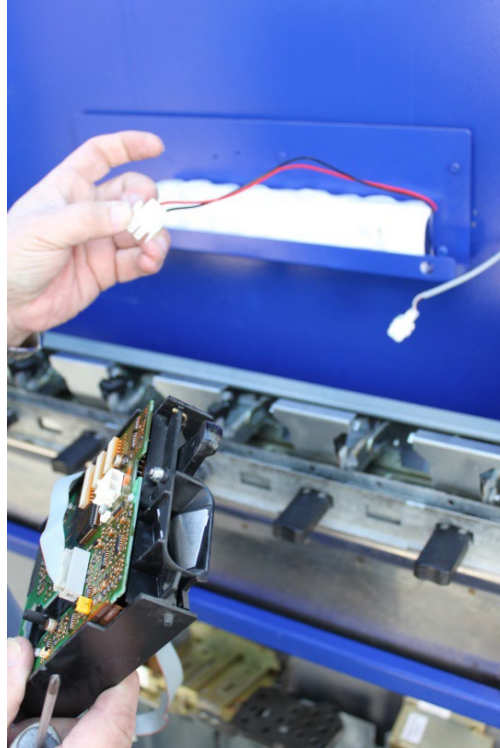
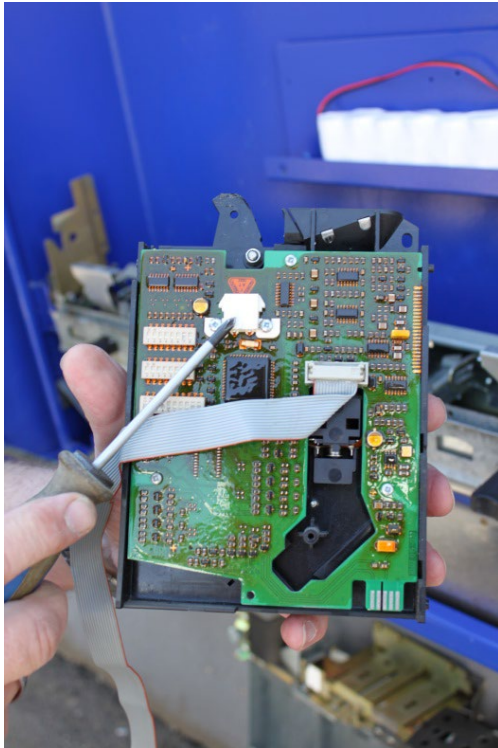
Removed coin receiver



The battery needs to be connected to the coin receiver device (only on some tube vending machines). Because of this, you need to open the coin receiver as follows: 1. Loosen the screw



2. Remove the cover



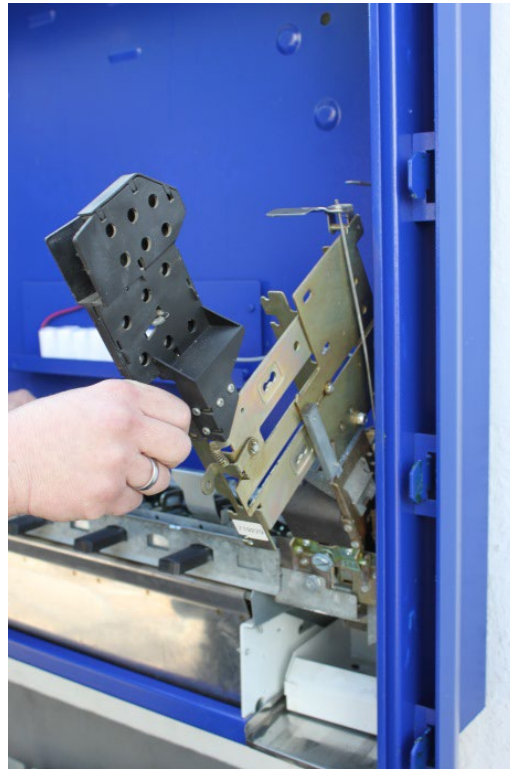
3. Connect battery



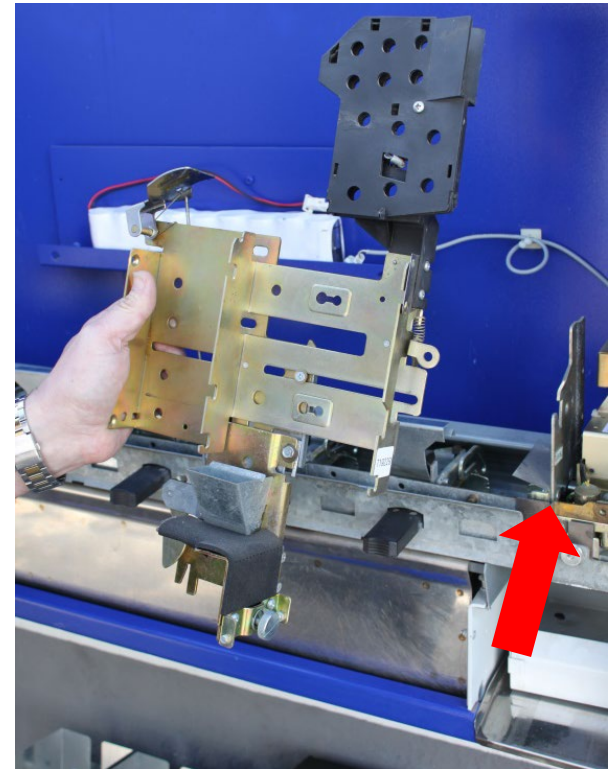
## 5. Removing credit device



Loosen screw connected to the "coin rack"



Pull „coin rack“ towards you



Remove "coin rack". When reassembling, please set it into this fixture



Loosen the screw and remove slice in order to dismantle the coverplate



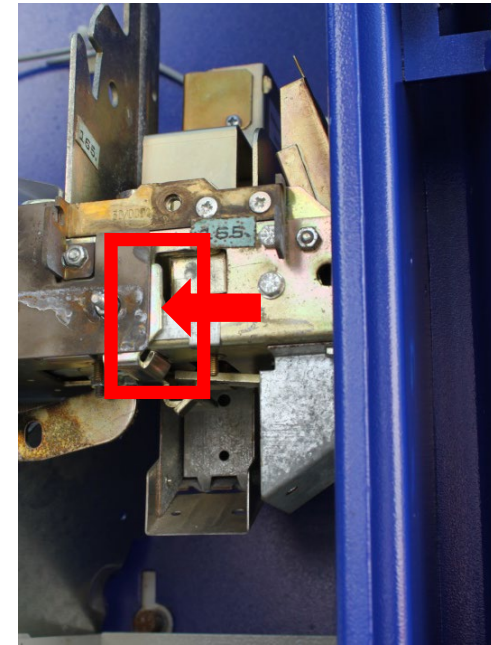
Remove cover plate



Loosen screw connection



Remove two screw nuts



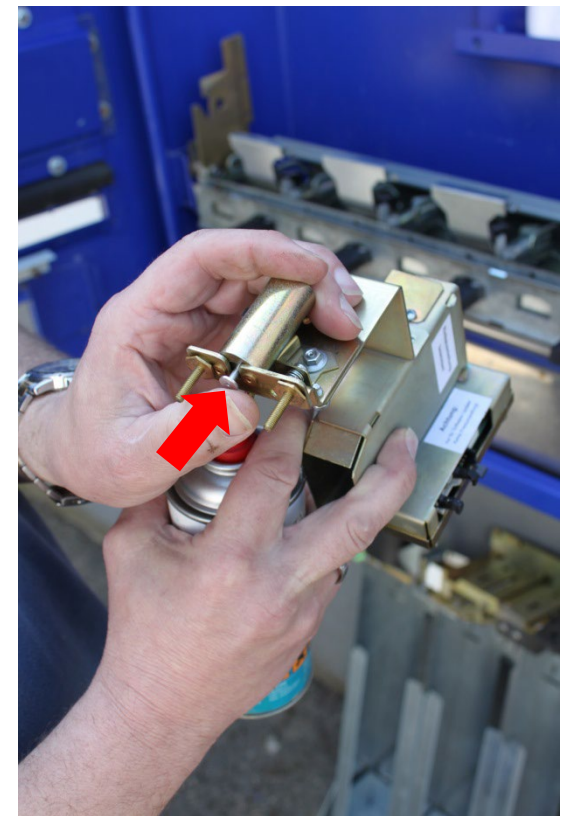
Attention, the plate is always inserted to the left



Remove credit device upwards



Loosen the plug connection



Functional check of the electrical condenser: Is it free moving?



It is recommended to clean the condenser frequently and treat with WD 40

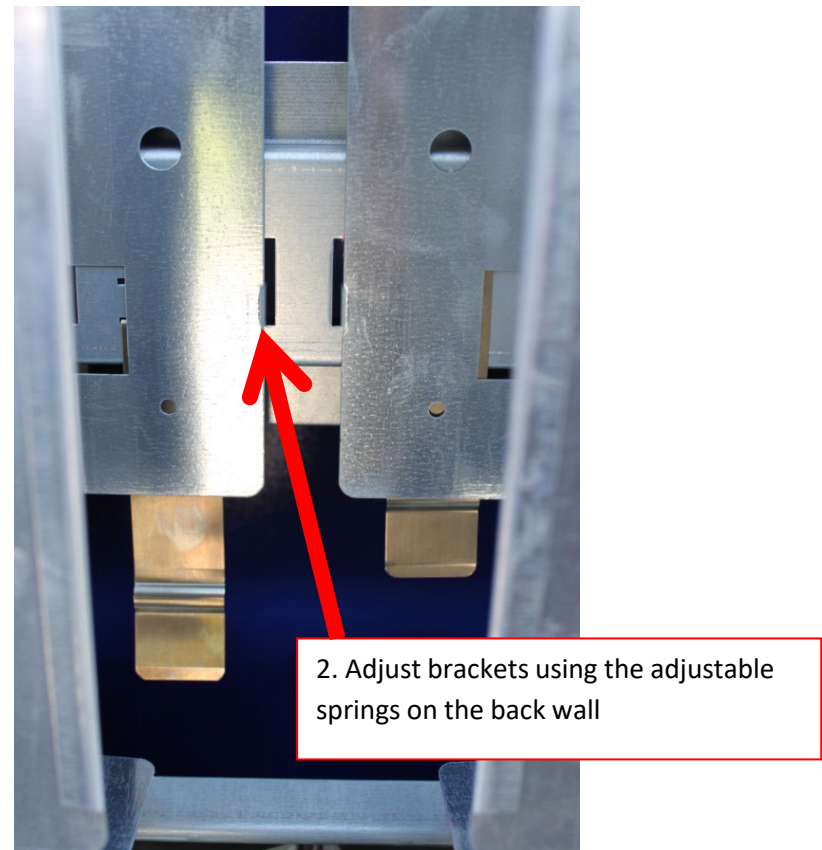
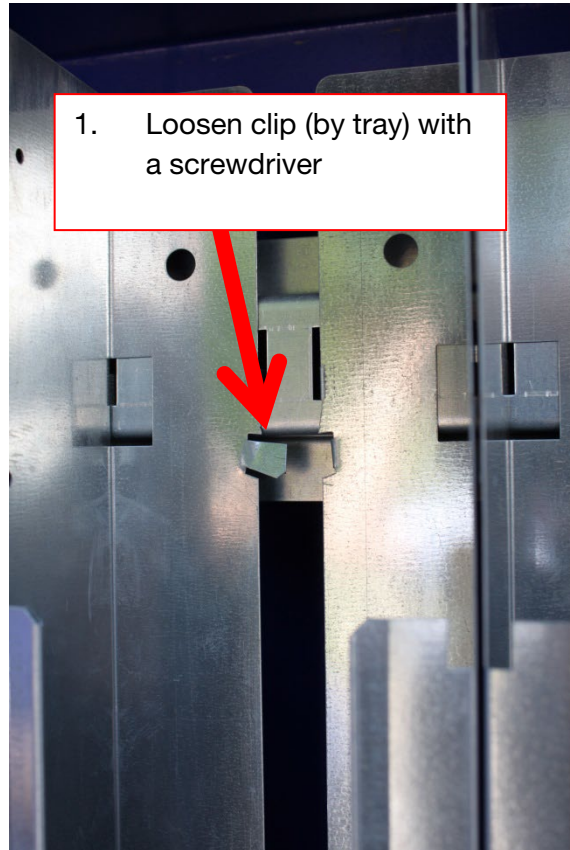


Insert the credit device from above



Please check function of the brass switch and treat it with WD 40 frequently.

## 6. Setting of the Metal brackets (available only with Thawa-vending machines delivered before 2009)



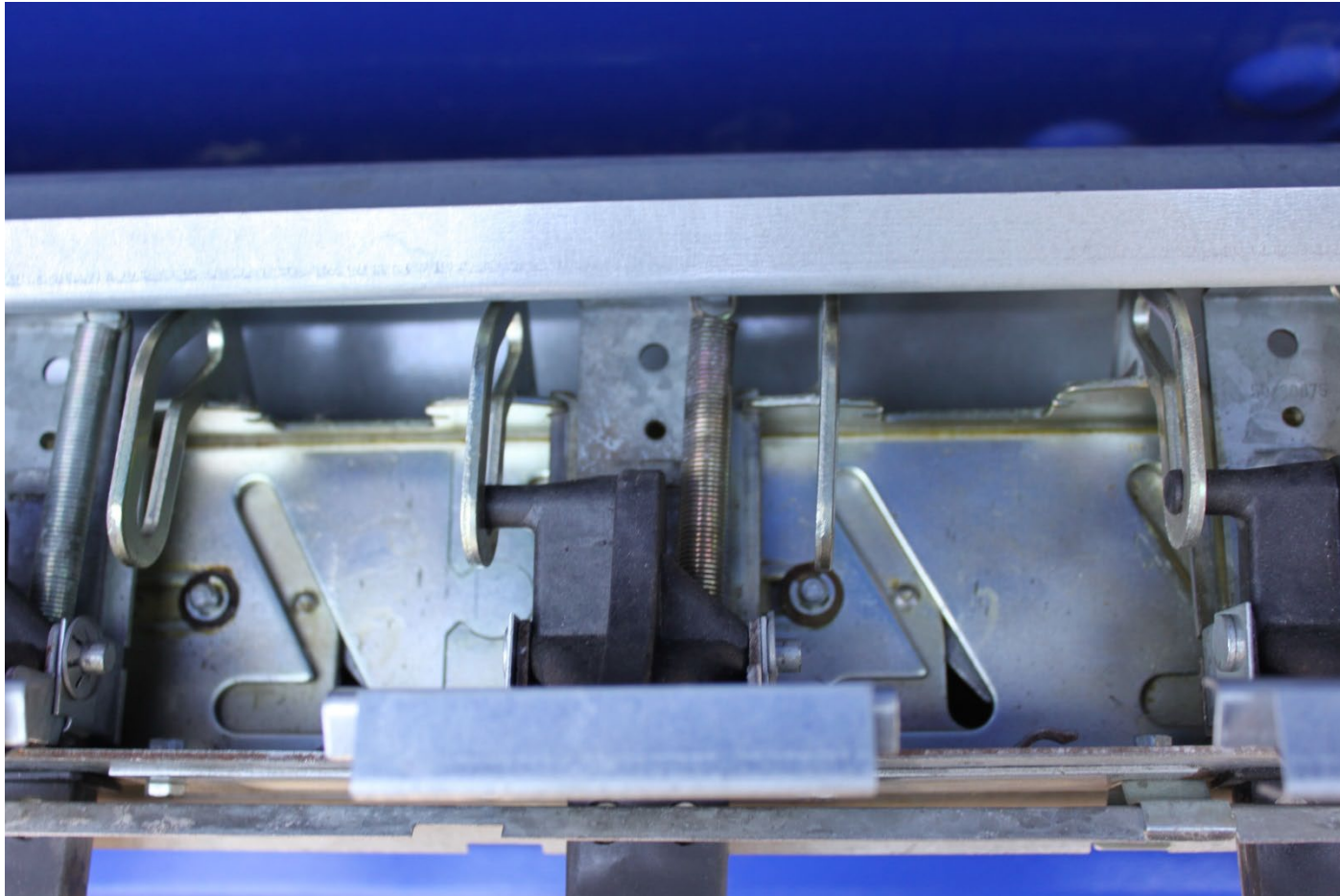
Due to the two different box tube sizes (race tubes are packed smaller) the two brackets are necessary. If the brackets are adjusted too high, the race tubes will fall through. If the brackets are too low, the larger tubes will become stuck.

## 7. Setting the return button



The return button can be adjusted by the screw nut.

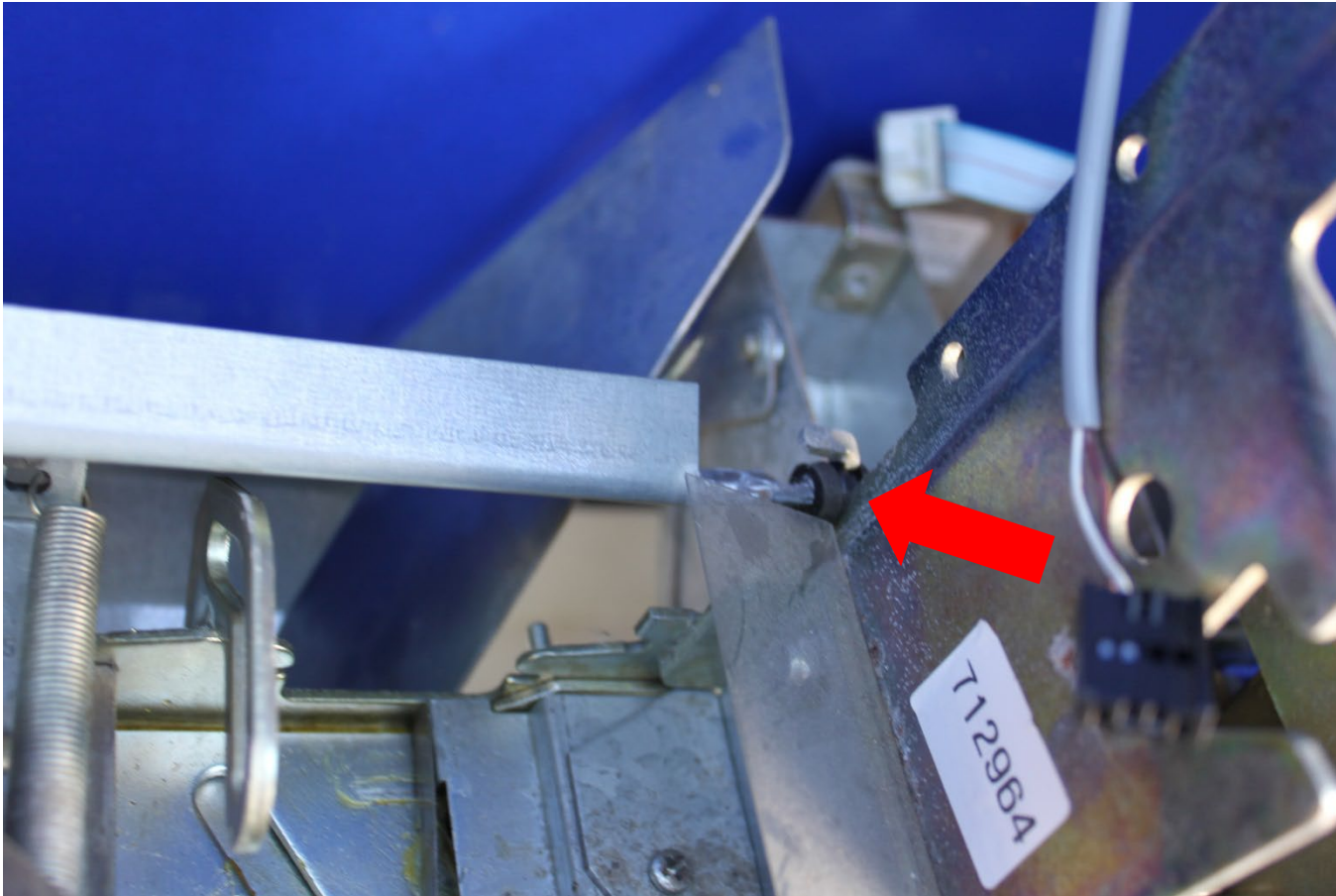
## 8. Space between the keypad



Space between the keypad should be cleaned frequently.



## 9. Assembly of anti-theft protection



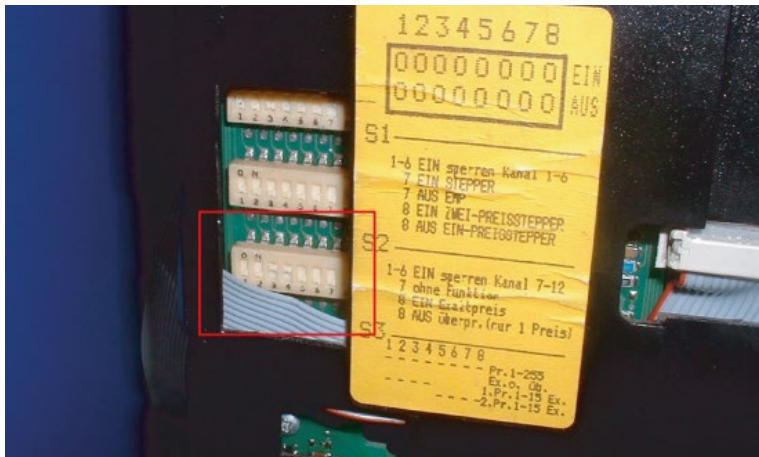
An optional anti-theft protection plate can be mounted at the two fixings.

## 10. Sticking coins

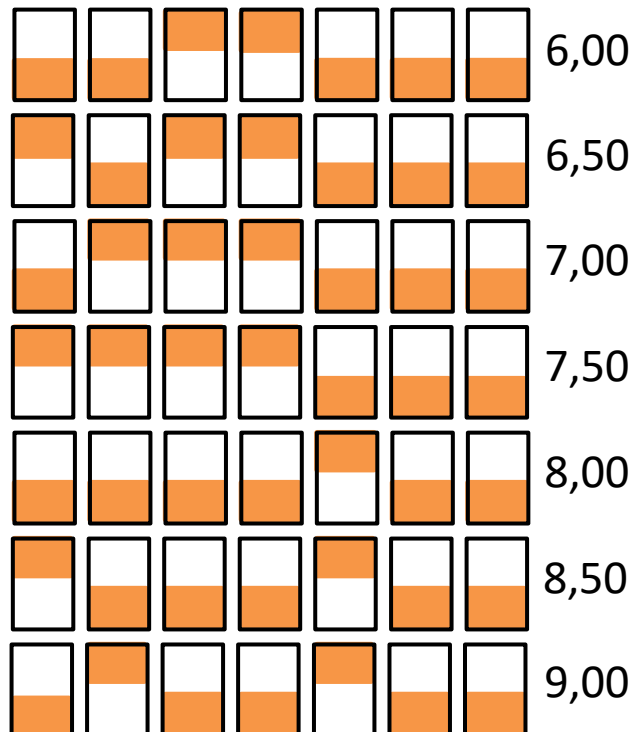


If coins become stuck, you can remove them by opening the cover of the coin receiver.

## 11. Changing the price



All 7  
adjust-  
ments:



Please disconnect Power Supply before changing and connect afterwards.

To set the price, please use the lower switchboard. As much as is possible, please do not change the upper two switchboards.

You can set the price by using the 7 switches shown in the image to the left. Please only use these switches 1 – 7, please don't use switches 8, 9 or 10 (if available).

These switches need to be in the up position to receive the desired amounts.

Please see example drawing below.

Switch 2 and 5 are in the up position to allow 1.00 and 8.00 for the required price of 9.00.

The factory setting can be changed by activating or deactivating every single switch.

Price stickers 6.00/6.50/7.00/7.50/8.00/8.50/9.00 are available free of charge.

