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Service bulletin 18006_EN – Troubleshooting the Big One brake

Parts to have on hand: - Digital Multimeter (DMM)



Please take all the necessary safety- and ESD precautions before starting on the job.

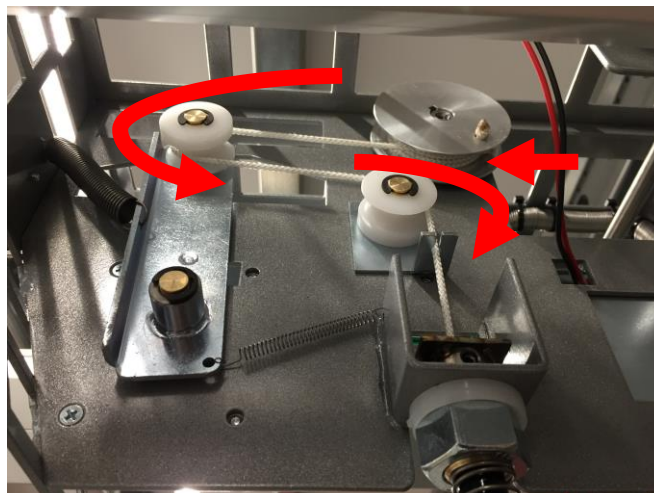


Problem:

The Big One Claw has problems going up or down.

Troubleshooting the problem

1. Check first if mechanically everything is fine. Make sure the string of the grabber is wound up in the right direction. It must be wound up as in the picture below.



In case the string is wound up wrong, unwind it manually.
Now clear the errors and power up your controller to rewind the string correctly as shown above, keep a slight pressure on the string so it can wind up tightly.

Check the adjustment of your grabber stop micro switches for correct operation as this is mostly the cause, you can check this in the selftest menu at “i gantry-in”.

2. Secondly we're going to check if the brake is working or not.

```
SELFTEST
T clawtype      3
T cord replacement
T mech. cycle
T lamptest
T dispenser
T release brake
T move window   0
i coin-in       00000000
i ctrl          00000000
i gantry-in     00000000
i extension     00000000
i data in (ad=0) 0
```

Go into the selftest menu with your Intelli Programmer. Now go to the line which says "T release brake".

You should hear something sounding like a "CLICK" and this means your brake is loose.

With the brake released, you should be able to turn the UP/DOWN motor manually.

If you can turn it manually now, this means your brake is working fine.

If the brake doesn't activate, you'll have to follow the diagrams on the next pages to find the root of your problems.

Some detailed information from the schematic diagram on page 4 is shown below.

- 9090.0948 – Set motor up/down + Brake Big One MKII
(If you have a Big One MK I, please order 9090.0947)
 - 3500.9421 = brake only
 - 3500.9240 = motor U/D only
- 9002.2332 – PCB grabberstop Big One MKII
- 9015.0939 – Cable Gantry Big One (2x used in the gantry loom)
- 9002.2331 – PCB gantry stop Big One MKII
- 9015.0941 – Cable Intelli gantry/cabine Big One
- 9015.0940 – Cable Intelli gantry Big One
- 9236.0320 – Unit Intelli Controller



Connections shown at the connection diagram on page 4 between PCB's and components are the true wire colors as you'll find back in the machine!

