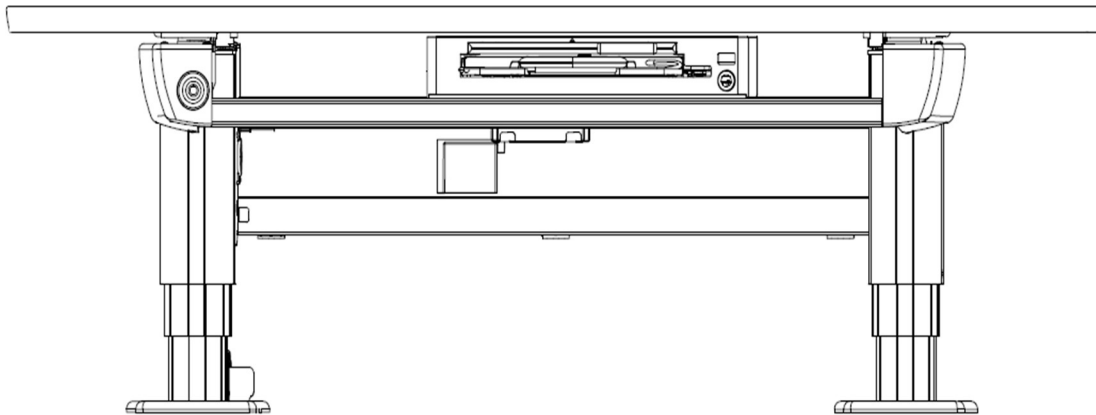


# “TABLE Z NOT DRIVING”

**APPLICABLE TO:** All systems using this two column Table type named 0055:



**ERROR MESSAGE:** [No error message present]

**INFORMATION:** This instruction covers how you get Table to drive vertically (upwards/downwards) again in case it is stuck.

## **HOW THE AFFECTED FUNCTIONALITY IN THE SYSTEM SHOULD WORK:**

When powered on it should always be possible to maneuver Table up and down from handle bar and foot pedal. It is not depending on certain modes or protocol settings.

## **SYMPTOMS OF THIS ERROR:**

It is not possible to drive Table up or down.

There are no error messages appearing in the tube display or in the imaging system.

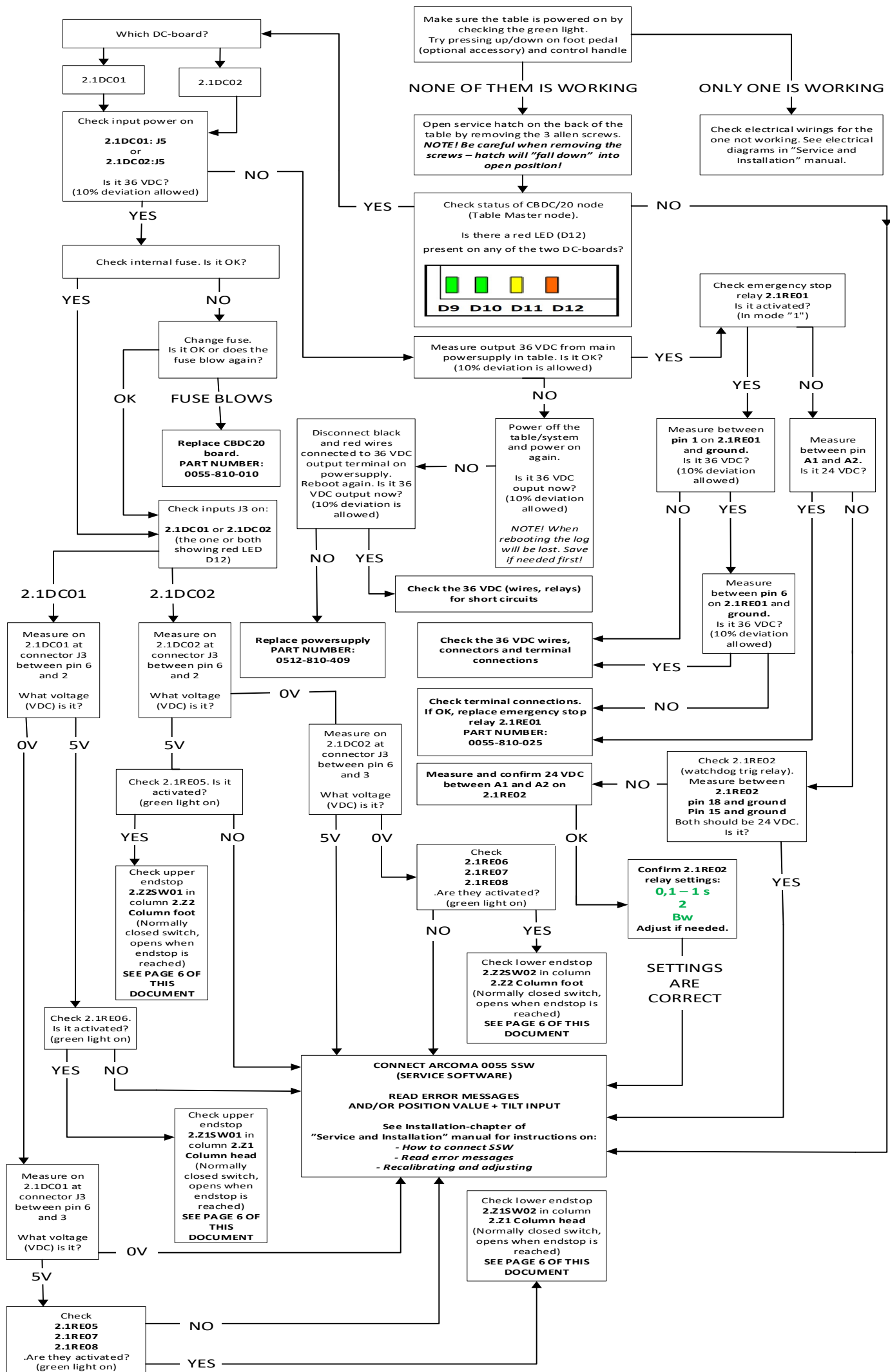
## **POSSIBLE CAUSES:**

- Incorrect mechanical/electrical inputs or calibration
- Issue with control and drive nodes
- Power supply or motor power problems

## **ACTION STEPS:**

See and follow the flow chart on next page to determine first steps and how to proceed.

The flow chart is followed by reference pictures and explanations.



## RELAY OVERVIEW – normal behavior when table is working OK:

**NOTE!** *2.1RE02 is always flashing (indicating received watchdog/pulse messages from CBDC node).*

### WHEN IN IDLE:



Relays ON:

5, 6, 8, 9, 10, 14

Relays OFF:

3, 4, 7, 11, 12, 13

### WHEN DRIVING UPWARDS:



Relays ON:

5, 6, 7, 8, 9, 10, 12, 13, 14

Relays OFF:

3, 4

### WHEN DRIVING DOWNWARDS:



Relays ON:

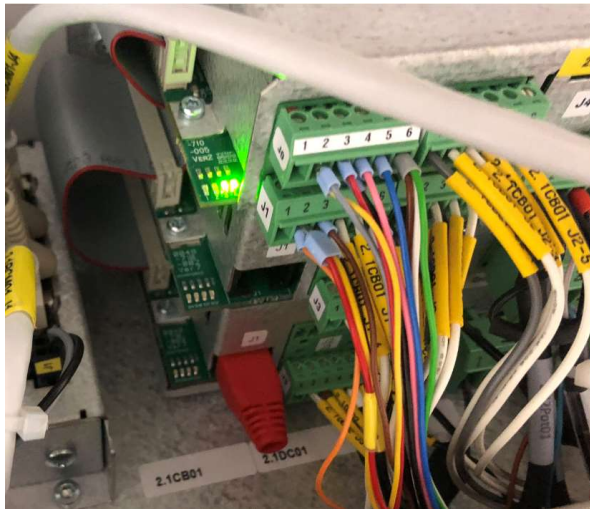
5, 6, 7, 8, 9, 10, 12, 13, 14

Relays OFF:

3, 4

## CBDC (Table master node) LED OVERVIEW – normal behavior when table is working OK:

### WHEN IN IDLE:

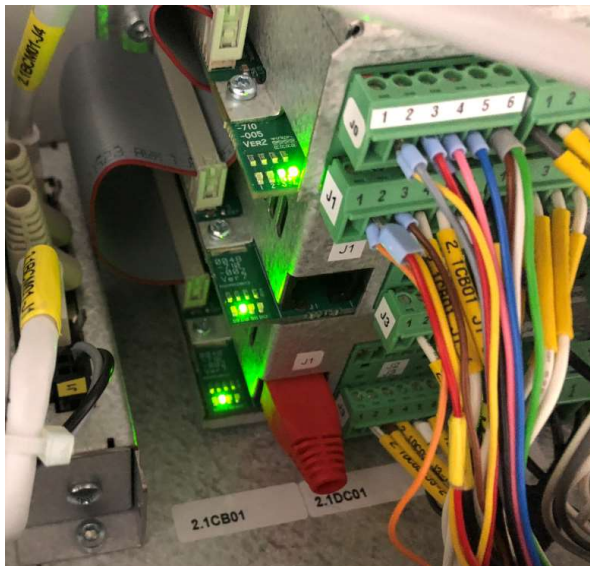


CB01 LEDs: *D1=OFF, D2=OFF, D3=FLASHING, D4=ON*

DC01 LEDs: *ALL OFF*

DC02 LEDs: *ALL OFF*

### WHEN DRIVING UPWARDS / DOWNWARDS:



CB01 LEDs: *D1=OFF, D2=OFF, D3=FLASHING, D4=ON*

DC01 LEDs: *D10 ON*

DC02 LEDs: *D10 ON*

## COLUMNT HEAD/FOOT – CHECK THE ENDS STOP MICROSWITCHES

### COLUMN HEAD

Measure 2.Z1SW01 and 2.Z1SW02 by unplugging connector 2.Z1J02 and check continuity between pin 3 and 4 and 3 and 5. It should be closed circuits when table is in a normal state.

See below drawing for reference.

### COLUMN FOOT

Measure 2.Z2SW01 and 2.Z2SW02 by unplugging connector 2.Z2J02 and check continuity between pin 3 and 4 and 3 and 5. It should be closed circuits when table is in a normal state.

See below drawing for reference.

### REPLACING A COLUMN

The microswitches should never be activated during normal operation.

This since the software endstops should be calibrated to stop movement before they are reached.

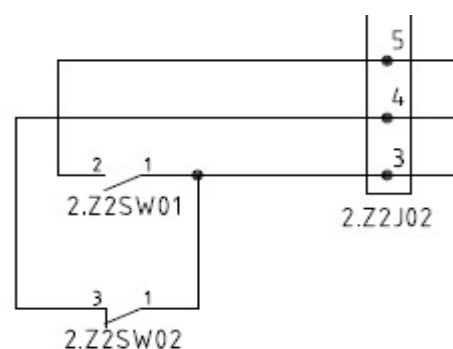
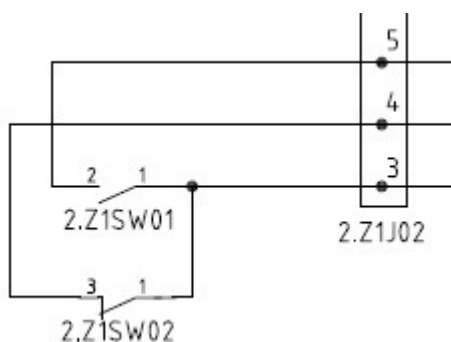
To exclude the possibility that it is a damaged cable or connector causing the open circuit, try jumper between pin 3 and 4 or 5 on connector 2.Z1J02 or 2.Z2J02 depending on which column and microswitch you suspect. If you then can drive the column you know for sure the switch inside is causing the issue = you will have to replace the column.

**NOTE!** Be cautious when using a jumper to override safety circuit of the column.

If you find the column in a position near the upper endstop, drive downwards and vice versa.

**Part number for Column “Foot” is 0055-810-201 (Table Column Right).**

**Part number for column “Head” is 0055-810-205 (Table Column Left).**



- *END OF DOCUMENT* -