

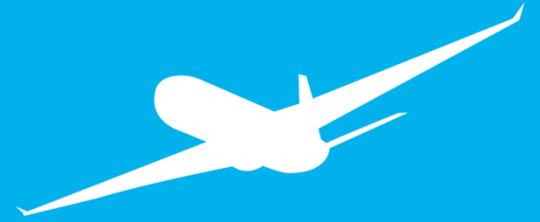
# SIMPLY SMARTER GROUND SUPPORT

Ground power units, pre-conditioned air units, cables and hoses

**TW**  
**GSE**



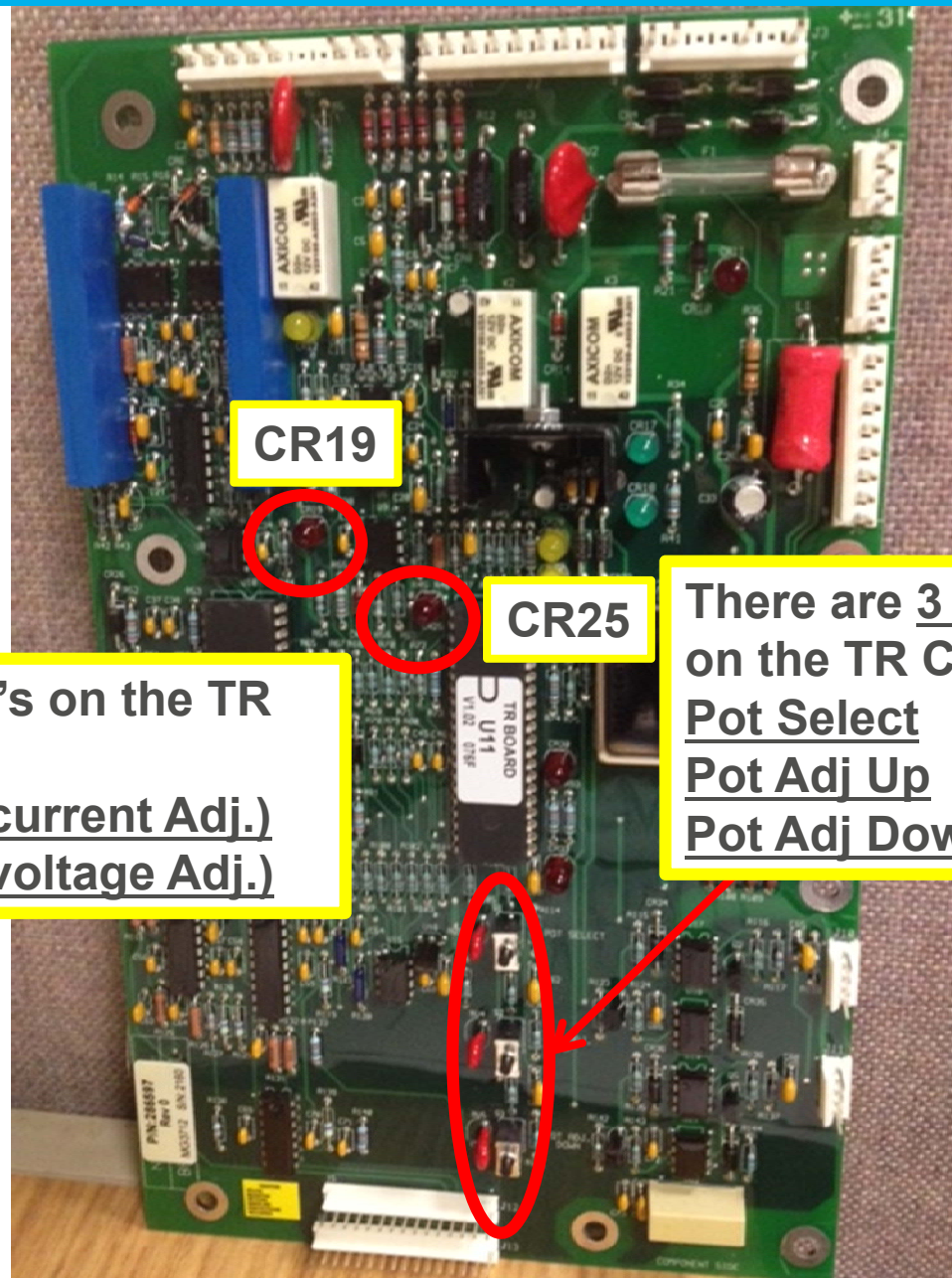
It's all about connections



# ADV DC ADJUSTMENT

It's all about connections

# ADV TR ADJUSTMENT PROCEDURE



CR19

CR25

There are 2 Led's on the TR Control Board.

CR19 when lit (current Adj.)

CR25 when lit (voltage Adj.)

There are 3 Push Buttons on the TR Control Board.

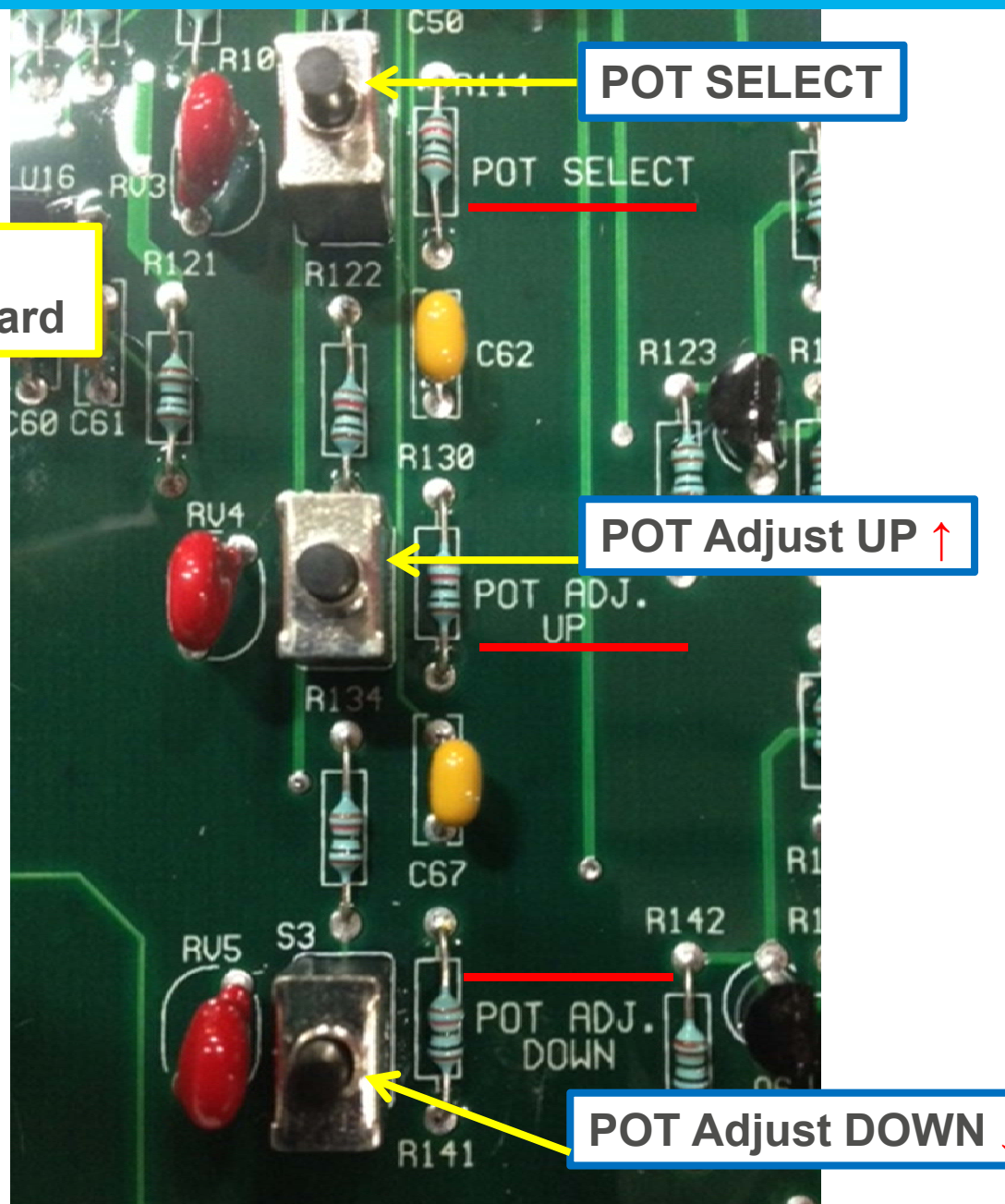
Pot Select

Pot Adj Up

Pot Adj Down

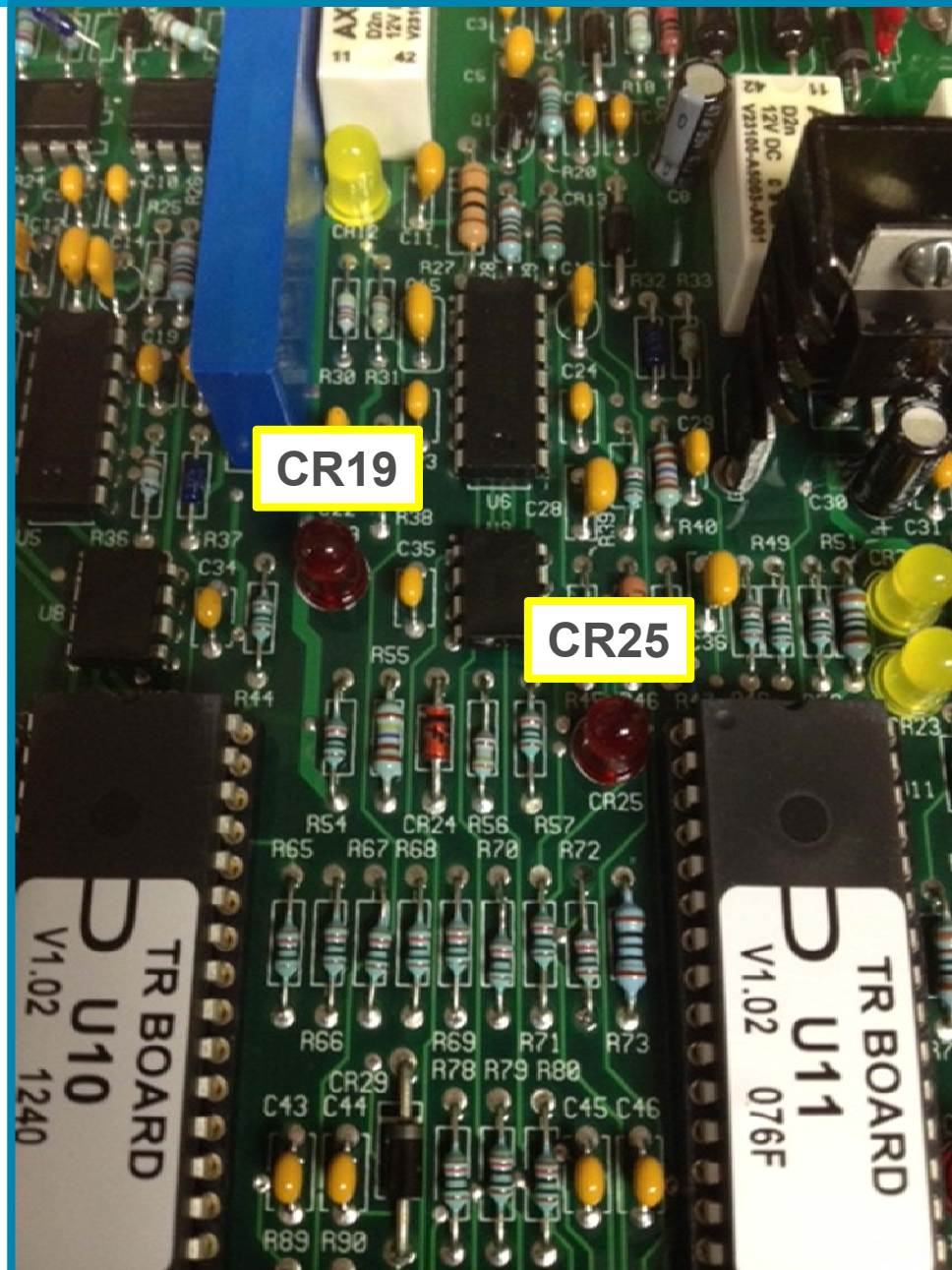
# ADV DC ADJUSTMENT PUSH BUTTONS

3 Push Buttons  
on the TR Control Board



# ADV DC LED INFORMATION

**CR19 LED** Lit  
indicates  
Current can be  
adjusted up or  
down



**CR25 LED** Lit  
indicates  
Voltage can be  
adjusted up or  
down

# ADV DC VOLTAGE ADJUSTMENT PROCEDURE

2) **CR25** lit indicates that the Voltage can be adjusted using the “Pot Adjust Up” and “Pot Adjust Down” Buttons.

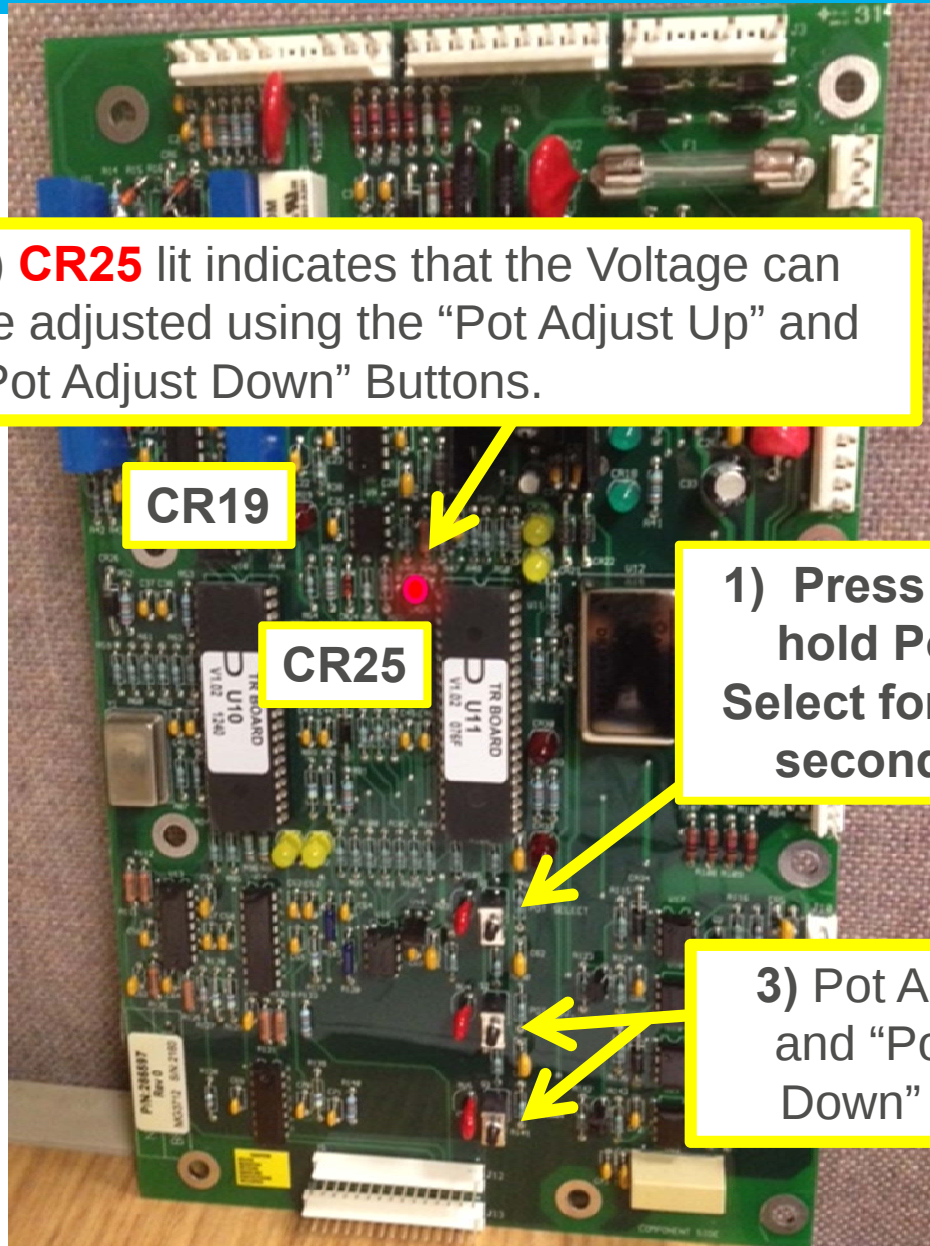
CR19

CR25

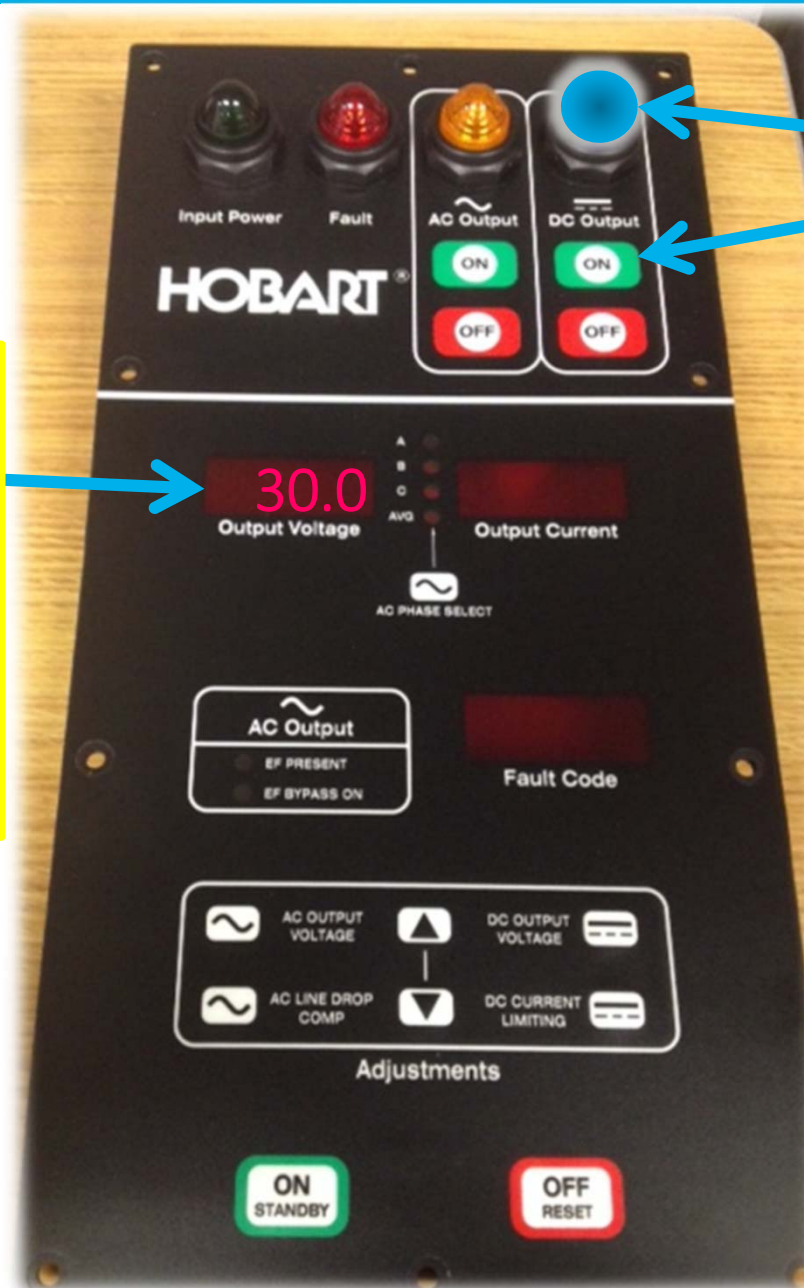
1) Press and hold Pot Select for ~ 3 seconds

**CR25** will light

3) Pot Adjust Up” and “Pot Adjust Down” Buttons



# ADV DC VOLTAGE ADJUSTMENT PROCEDURE



(Example only): Voltage on Membrane Panel (Display) may be indicating 30 vdc or some over voltage

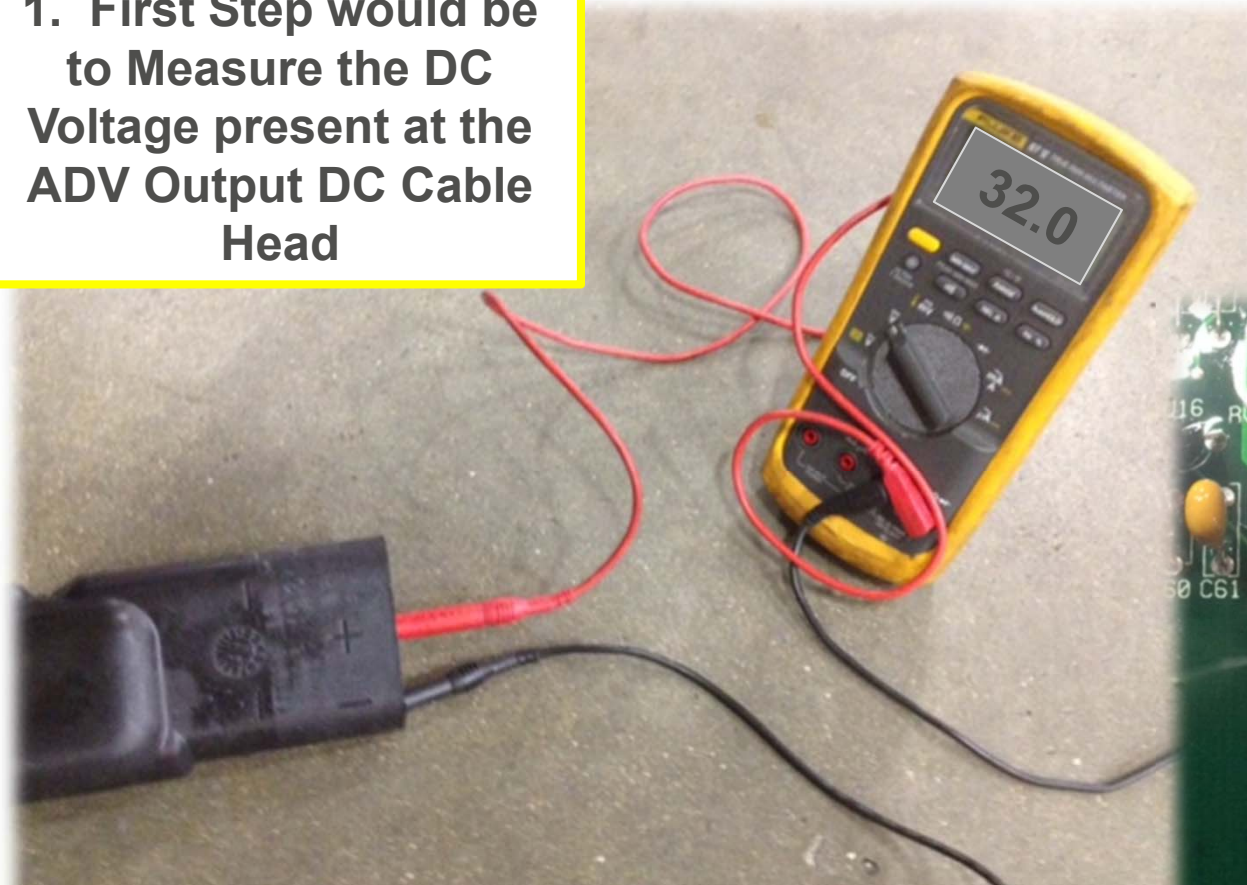
Press DC Output ON. Ensure Blue light illuminates

**Note:** Amperage Load not required to calibrate voltage

# ADV DC VOLTAGE ADJUSTMENT PROCEDURE



1. First Step would be to Measure the DC Voltage present at the ADV Output DC Cable Head



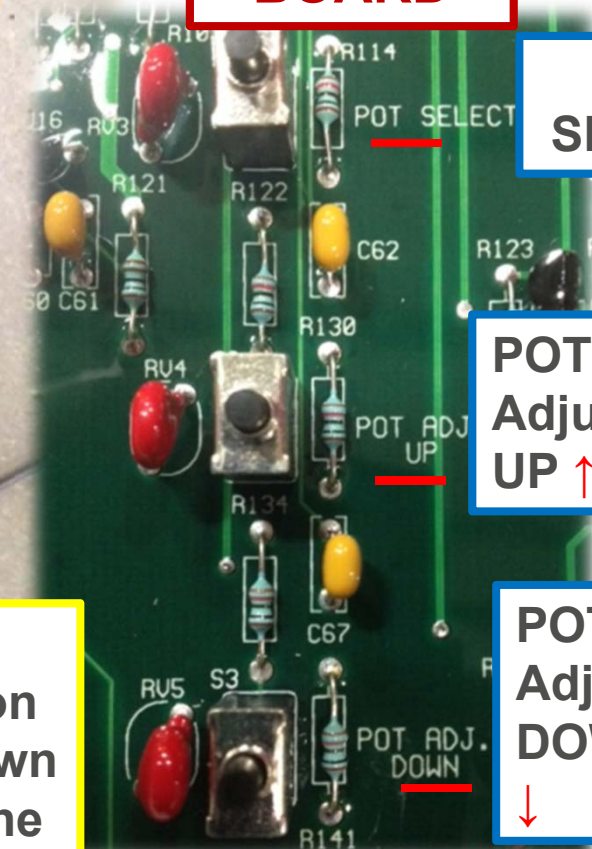
2. Adjust output cable voltage measurement on Multi-Meter: Push and release Pot Select Button on TR board (Ensure **CR25** is on) and adjust up or down to move the reading on the Meter to match what the ADV Display shows

**TR  
BOARD**

**POT  
SELECT**

**POT  
Adjust  
UP** ↑

**POT  
Adjust  
DOWN** ↓



# ADV DC VOLTAGE ADJUSTMENT PROCEDURE

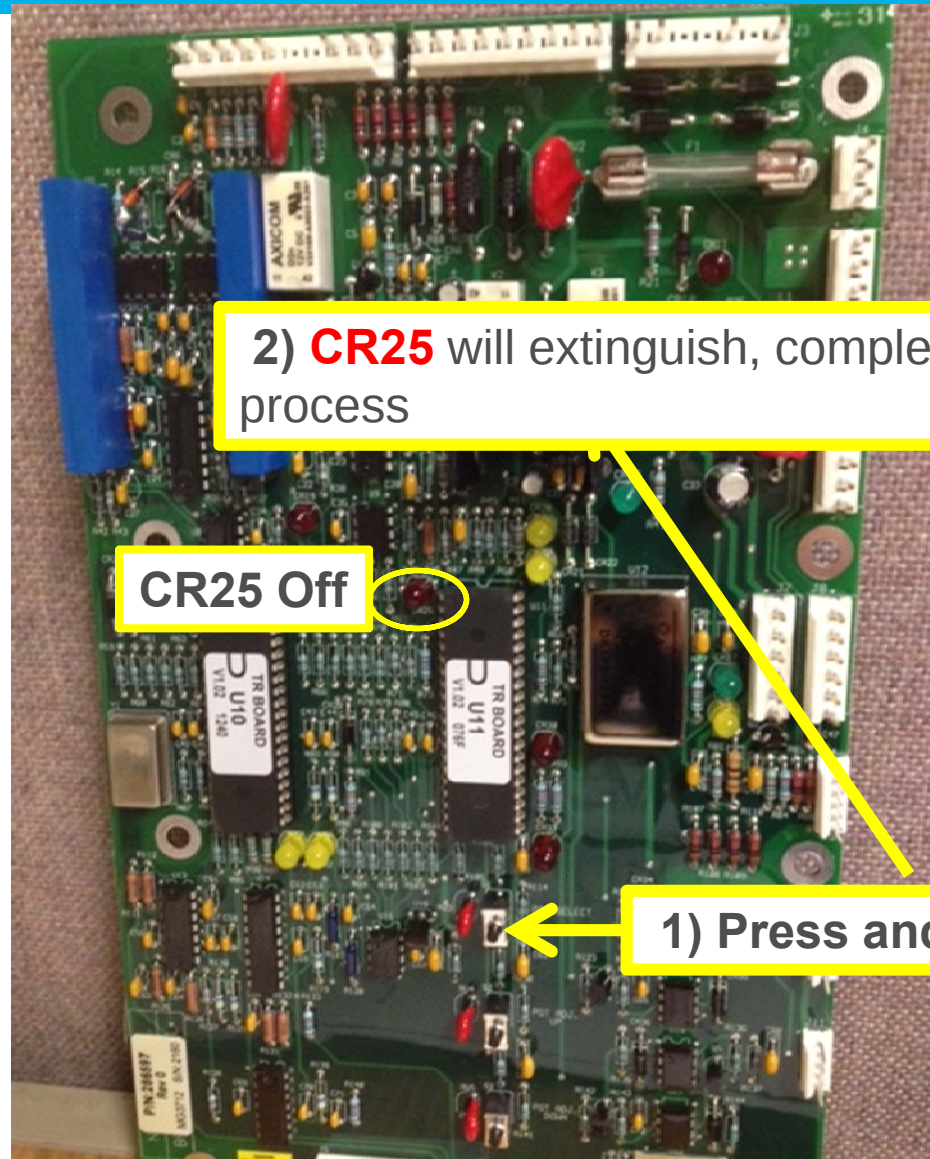
3. Example as shown in previous slides the ADV indicated 30 vdc on Display. So the output cable Multi-Meter is now adjusted down to match the ADV display (Having used the TR adjustments)

Multi-METER

ADV DISPLAY



# TR BOARD ADJUSTMENT COMPLETED



2) **CR25** will extinguish, completing the process

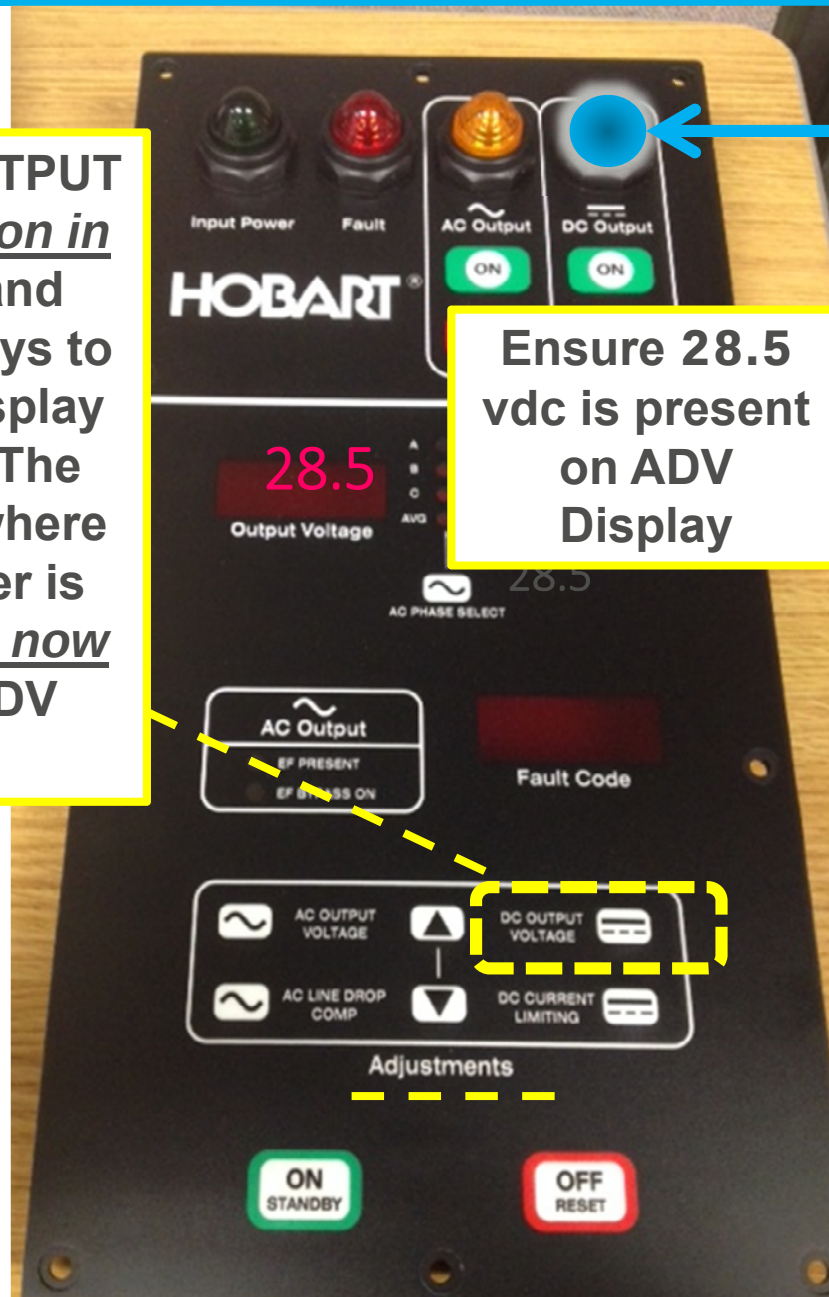
CR25 Off

1) Press and release Pot Select

**NEXT: PROCEED TO ADJUST ADV DISPLAY**

# ADV DC VOLTAGE ADJUSTMENT PROCEDURE

4. Hold DC OUTPUT VOLTAGE button in and use up and down arrow keys to change the display to show 28.5 The output cable where the Multi-Meter is connected will now match the ADV Display



DC Output LIGHT  
ON

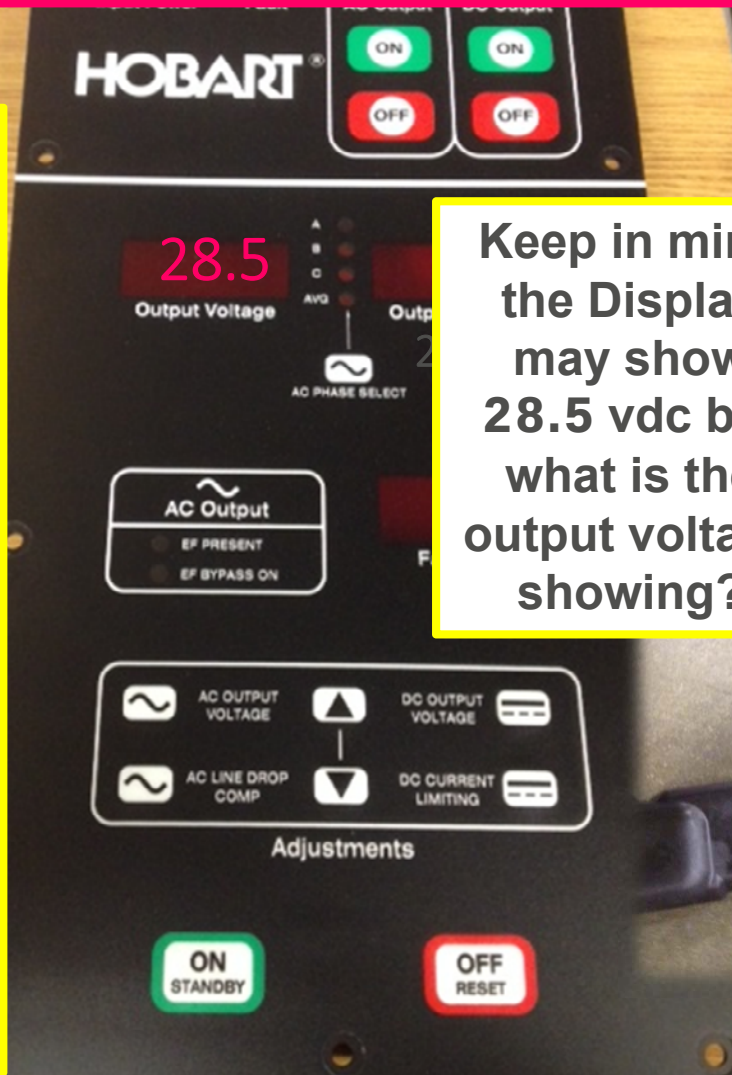
Ensure 28.5  
vdc is present  
on ADV  
Display

Remember the  
Display use to  
show 30.0 vdc

# ADV DC VOLTAGE ADJUSTMENT PROCEDURE

**IMPORTANT NOTE ONLY IF THERE IS AN  
OVERVOLTAGE SITUATION BEFORE TRYING TO  
CALIBRATE THE VDC OUTPUT**

If the output voltage on the output cable is high enough to cause an overvoltage (measured with Multi-Meter) and over volt fault keeps popping up. You will have to use the TR Board Adjustment pots to bring the output voltage down so you can continue with adjustment



Keep in mind the Display may show 28.5 vdc but what is the output voltage showing?

But the Output Voltage could be too high to start with.  
Example: 34.0 vdc



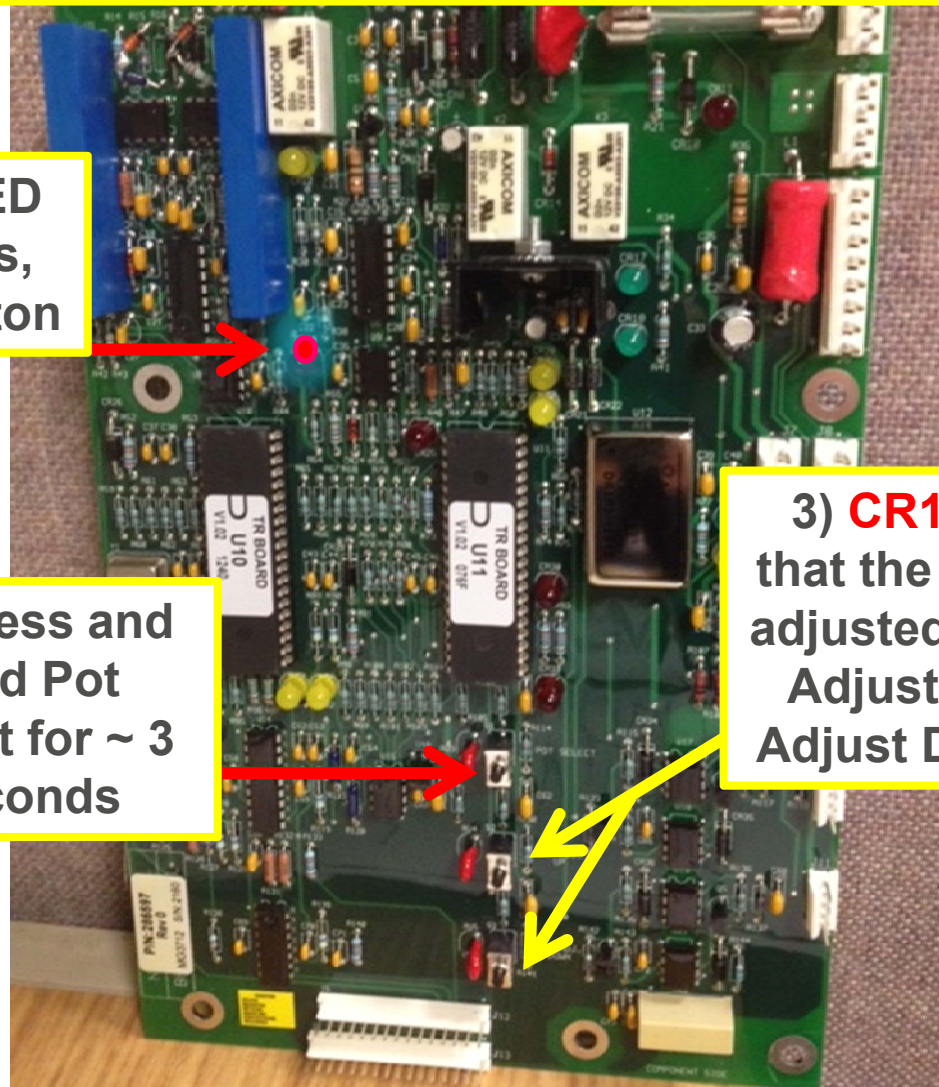
# ADV DC CURRENT ADJUSTMENT PROCEDURE

**NOTE: GPU MUST BE OPERATING WITH TR ON  
AND AN OUTPUT LOAD APPLIED**

2) When LED  
**CR19** lights,  
release Button

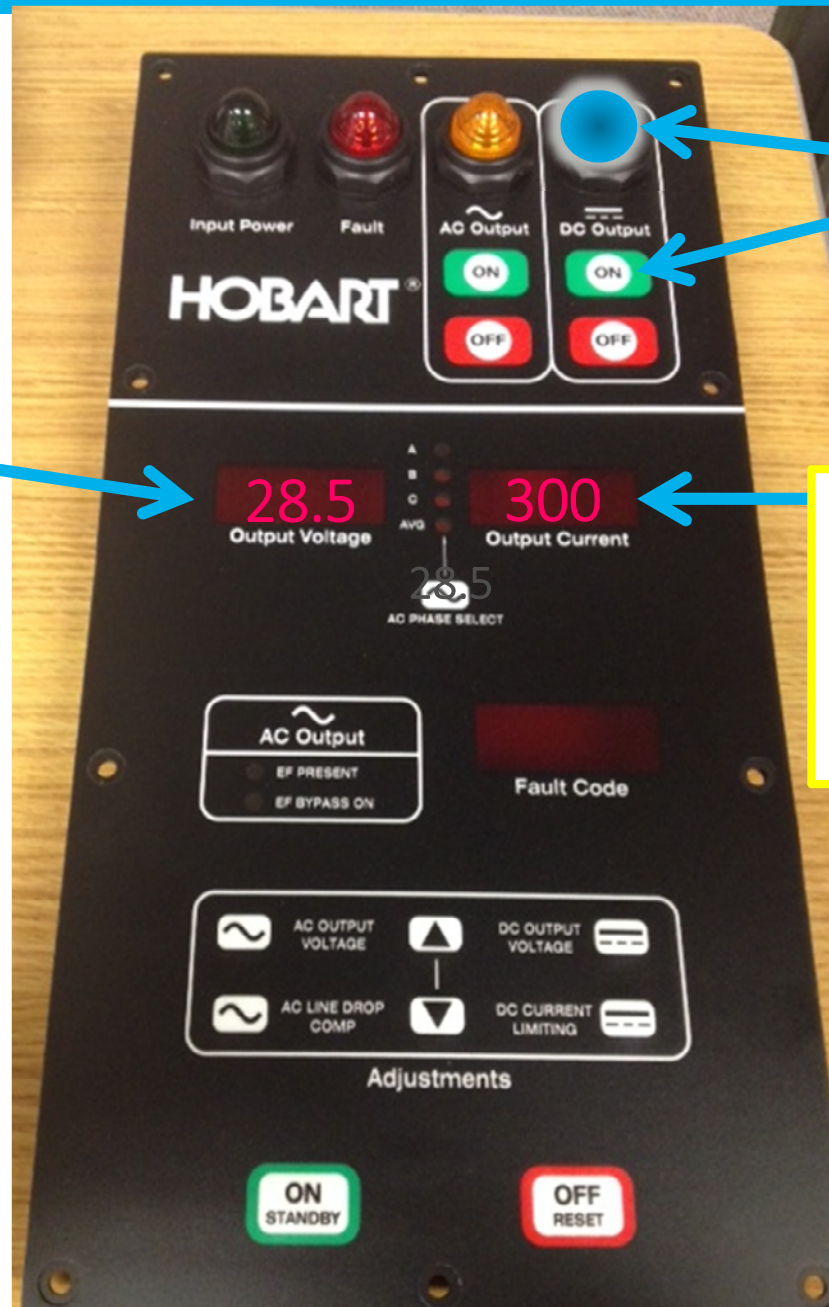
1) Press and  
hold Pot  
Select for ~ 3  
seconds

3) **CR19 lit** indicates  
that the Current can be  
adjusted using the “Pot  
Adjust Up” and “Pot  
Adjust Down” Buttons.



# ADV DC CURRENT ADJUSTMENT PROCEDURE

Ensure 28.5  
vdc is present  
on meter



Press DC  
Output ON.  
Ensure Blue  
light  
illuminates

An Amperage  
load will be  
applied during  
current  
Adjustment

## PROTECT DC CABLE HEAD



**JB28CY**  
**28 vdc Dust Cover**

**CONTACT**  
**J & B Representative at:**  
**941-721-1018**



# ANY OTHER TROUBLESHOOTING QUESTIONS? Need Parts?



## CONTACT TECHNICAL SUPPORT

941-721-1092

US/CAN 877-874-5322

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EMAIL: [support@itwgse.us](mailto:support@itwgse.us)

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PARTS: 866-845-0441

EMAIL: [parts@itwgse.us](mailto:parts@itwgse.us)

**IMPORTANT:** For all Support Please have the following ready:

*Model: JetEx 4, 5, 6, 7 or 8 (6400)*

*Serial Number: XXXPSXXXXX*