

# Set Up Process

## Trailer

When setting up the **MAX Mobile LED** screen, use a surface without a slope across the trailer deck.  
Level out trailer from front-to-back.



## Leveling The Trailer

Locate a surface level across Trailer Deck, from wheel to wheel.

Place Wheel Chocks on each side of a trailer wheel and disconnect from towing vehicle.

Uneven grade shall be leveled by front Hitch Jack. Some models may have 2 front Stabilizers - use one to adjust grade and the other to stabilize as the trailer is set.

Using a 2-4' level, adjust front Hitch Jack to level.

Using the level across the Trailer Deck, adjust Stabilizers to level.

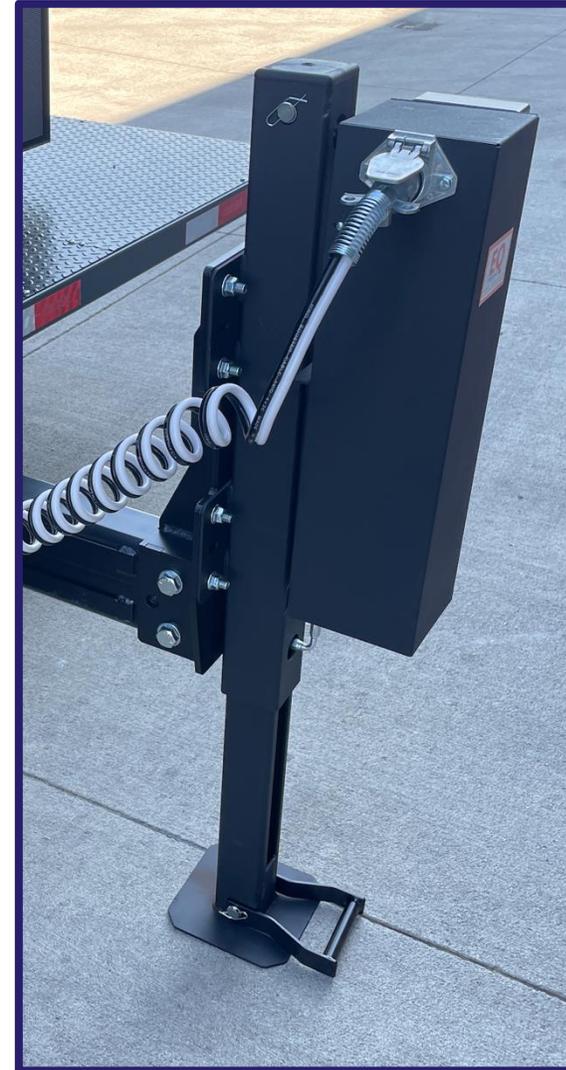
**NOTE: Stabilizers are not designed for lifting. Wheel grade must be adjusted if surface is not level across the trailer deck.**

# Set Up Process

## Trailer

Set **Corner Stabilizers** so there is slight pressure on the ground

Once trailer is level and set, turn handle on each corner to ensure pressure is applied for proper and safe stability



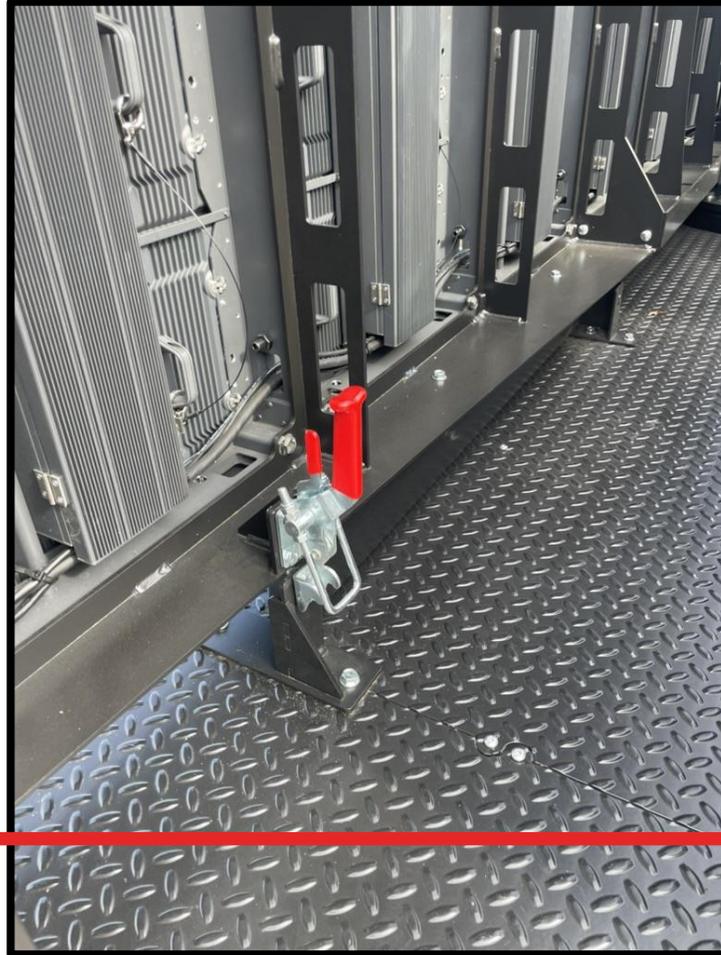
**NOTE: Corner stabilizers are not designed for lifting**

# Set Up Process

## Trailer

Open red **Screen Clamps** for operation of **Screen Mast** at base of screen to prepare for **Screen Mast** operation.

Make sure U-Bolt is positioned UP after opening to avoid unintended reattachment or snags.



**NOTE: Hydraulic Power will damage Screen Clamps if not opened prior to operating Screen Mast**

# Set Up Process

## Trailer

Open red **Screen Clamps** at Trailer Deck. Make sure U-Bolt is positioned UP after opening. These are the only Screen Clamps which are opened at this point of set up to Elevate Upper Screen to connect to Lower Screen.

Remove **Screen Braces** which are in place at each end of the screens.



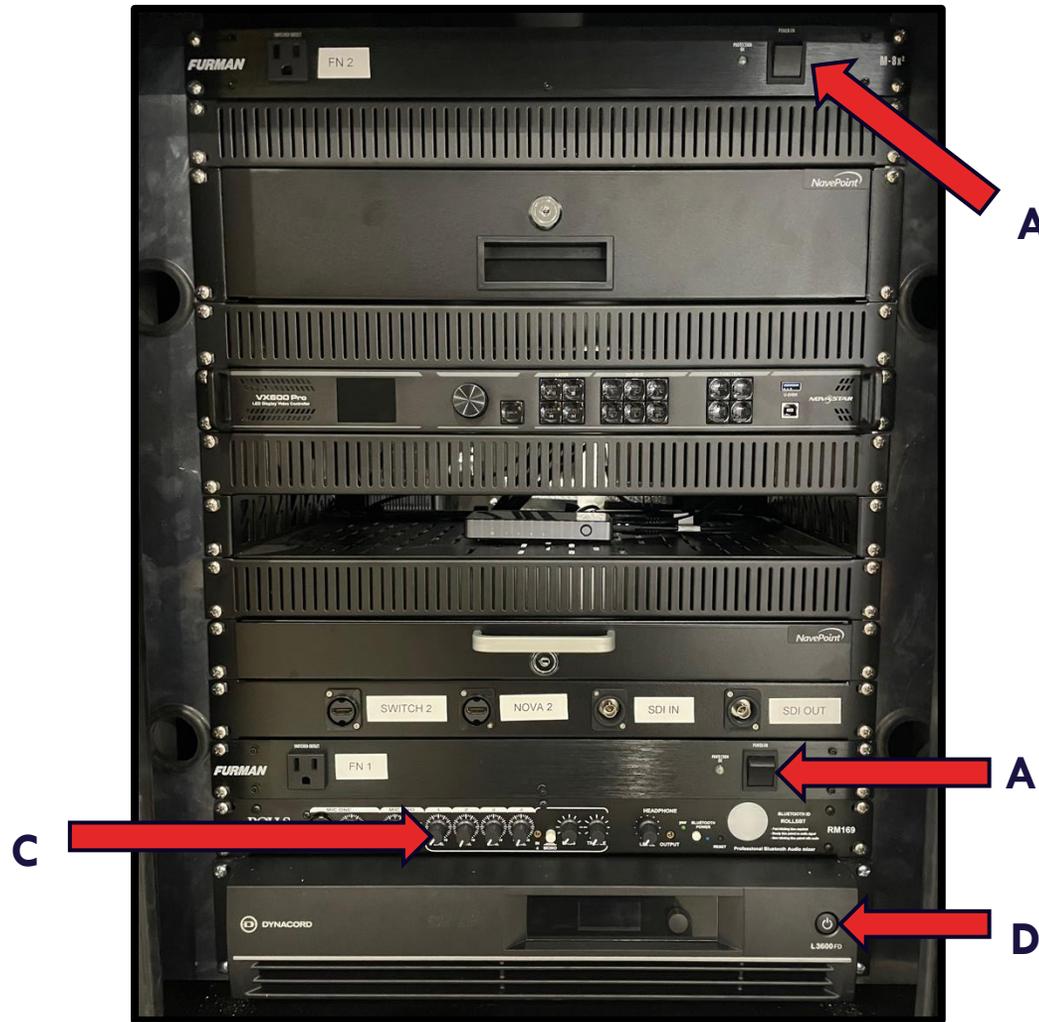
**NOTE: Hydraulic Power will damage Screen Clamps/Braces if not opened/removed prior to operating Screen Mast**

# Set Up Process

## Power

Ensure Power Switch (A) at Power Conditioners are OFF.

Also check Amp Button (B) to be sure it is OFF (OUT) with the Mixer Channel Volume settings (C) set to 0.



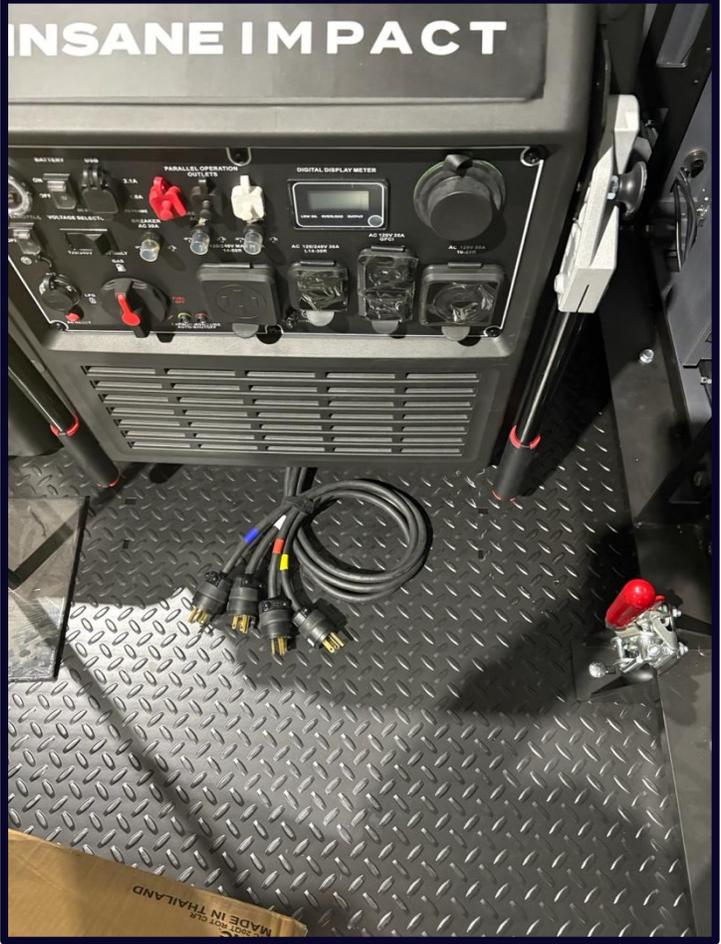
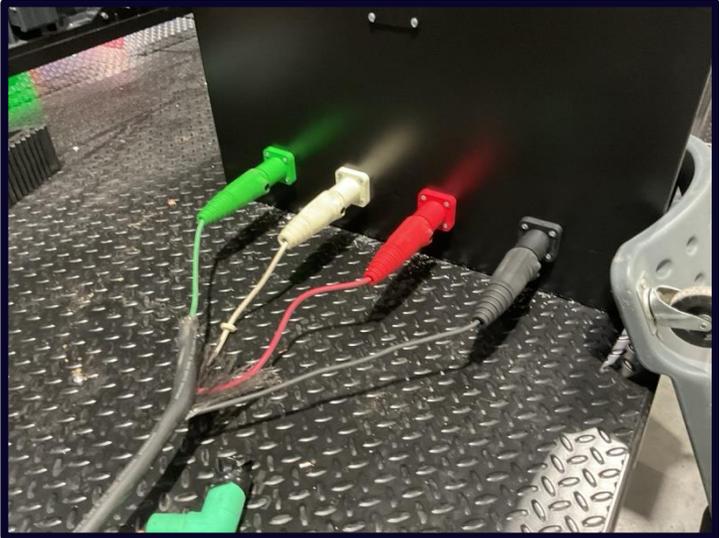
This routine check prevents the components from receiving improper voltage from start up and to ensure sound is properly and safely controlled.

# Set Up Process

## Power *Shore Power*

Attach the proper de-energized plug to **Shore Power Connection**.

Energize **Shore Power** at source.



# Set Up Process

## Power

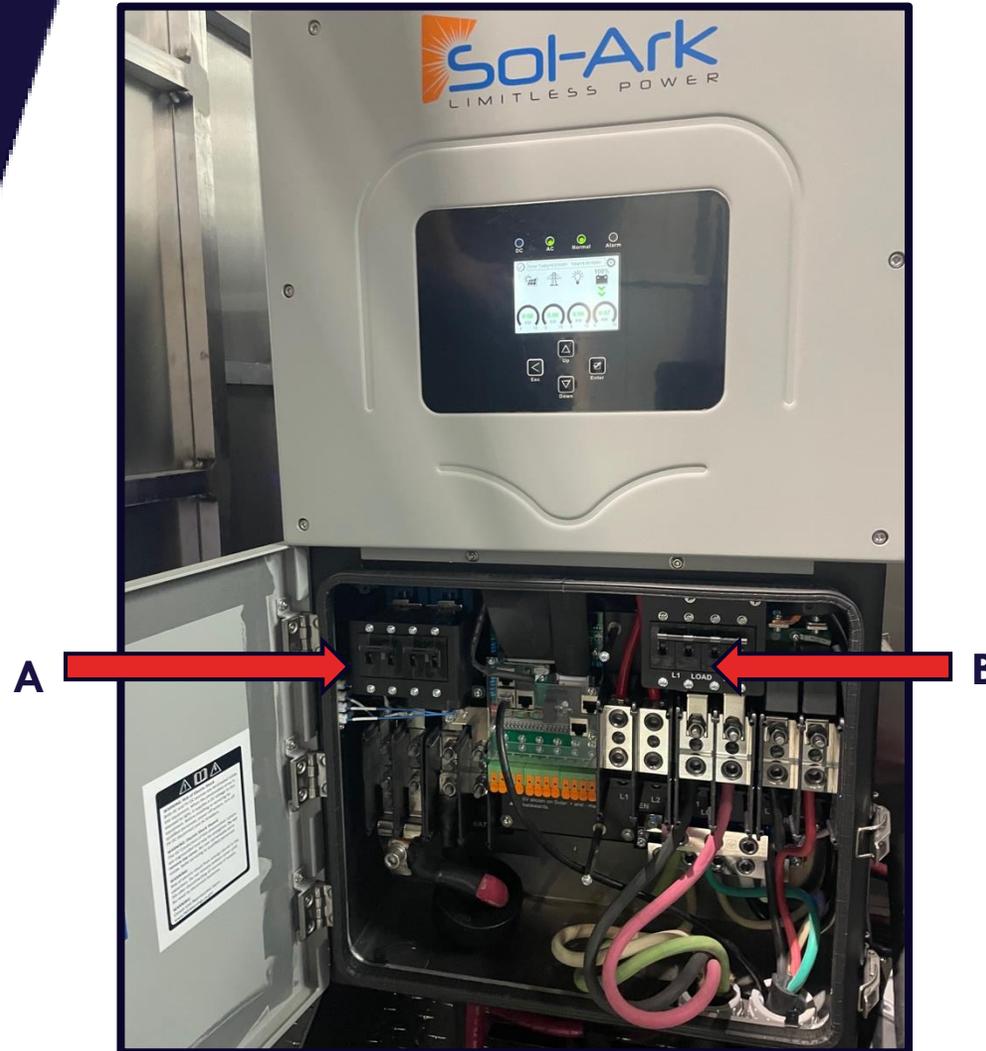
### *Sol Ark Inverter*

Turn on Batteries to power Inverter.

**A)** Switch **LINE** Breaker ON at inverter.

**B)** Turn on the Inverter at side Push Button and allow 2-3 Minutes for voltage to remain consistent.

**C)** Turn on **LOAD** Breaker.



**Note – DC Switch must remain in OFF position**

# Set Up Process

## Power

### *PowMr Inverter*

With **Inverter/Battery Systems**, always be sure to power on the **Batteries** before the **Inverter**.

After turning on the Batteries, turn on the **Inverter** and allow 2-3 minutes for voltage to remain consistent and stabilize.



**Battery Power Button**



**Inverter Switch**

**Inverter Switch**

# Set Up Process

## Power

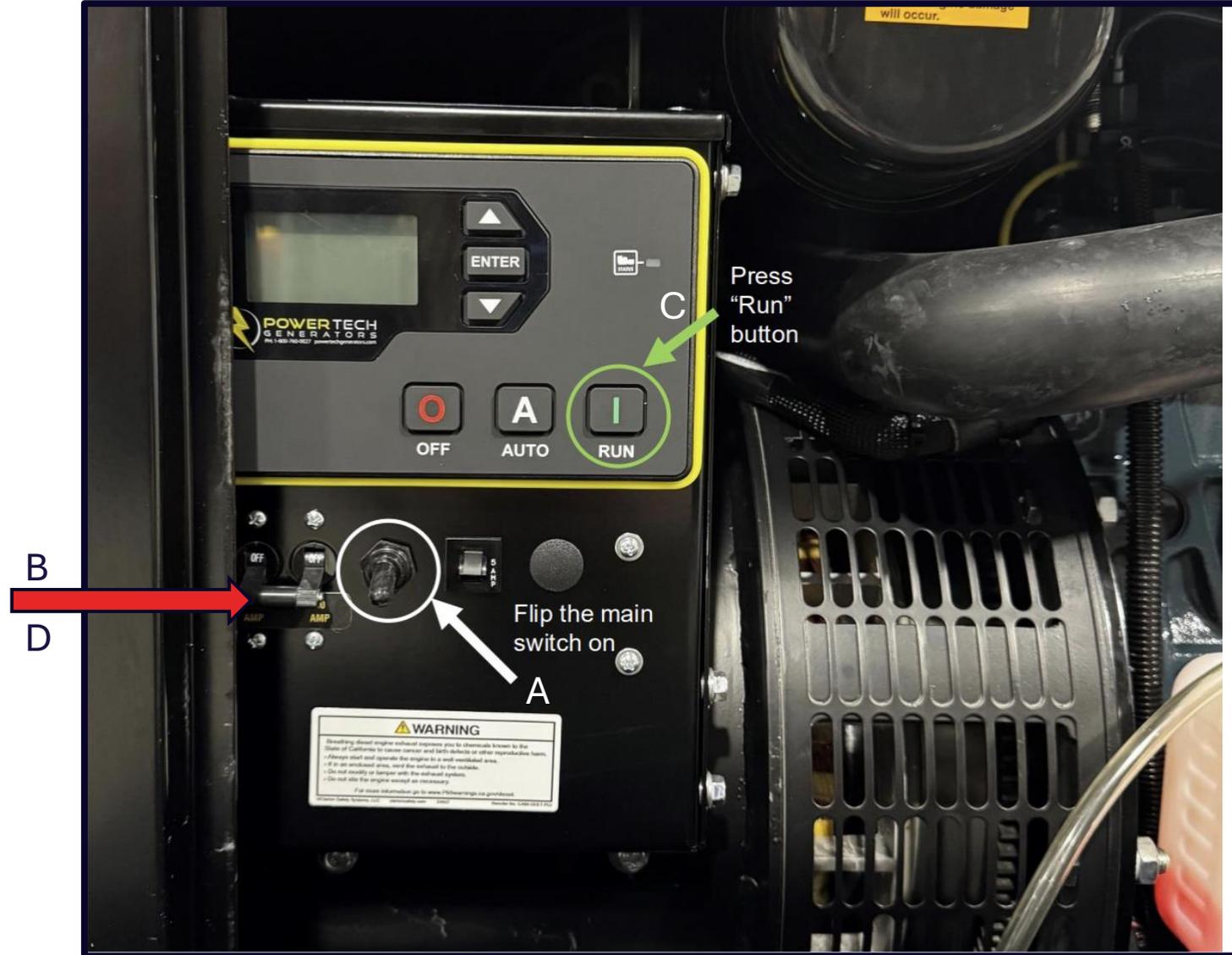
### Power Tech Generator

**A)** Turn on Main Display Switch.

**B)** Ensure Circuit Breaker Is OFF.

**C)** Push RUN button

**D)** After 2-3 minutes, Turn ON Circuit Breaker.



# Set Up Process

## Power

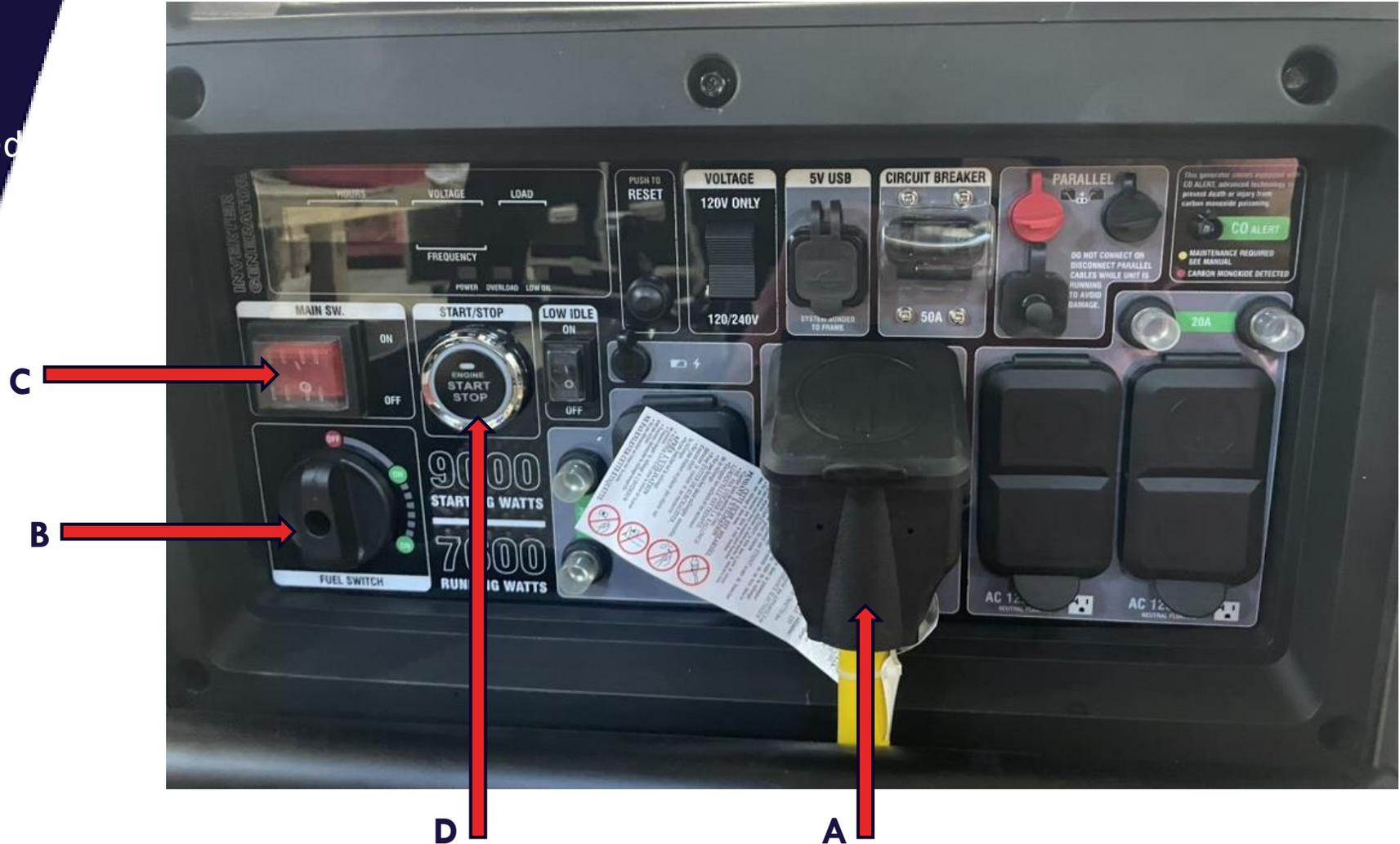
### PowerHorse Generator

A) Ensure RV Plug is connected to the AC 120v/240v 50a Outlet.

B) Turn Fuel Switch ON.

C) Turn on Main/Battery Switch.

D) Push START Button.



# Set Up Process

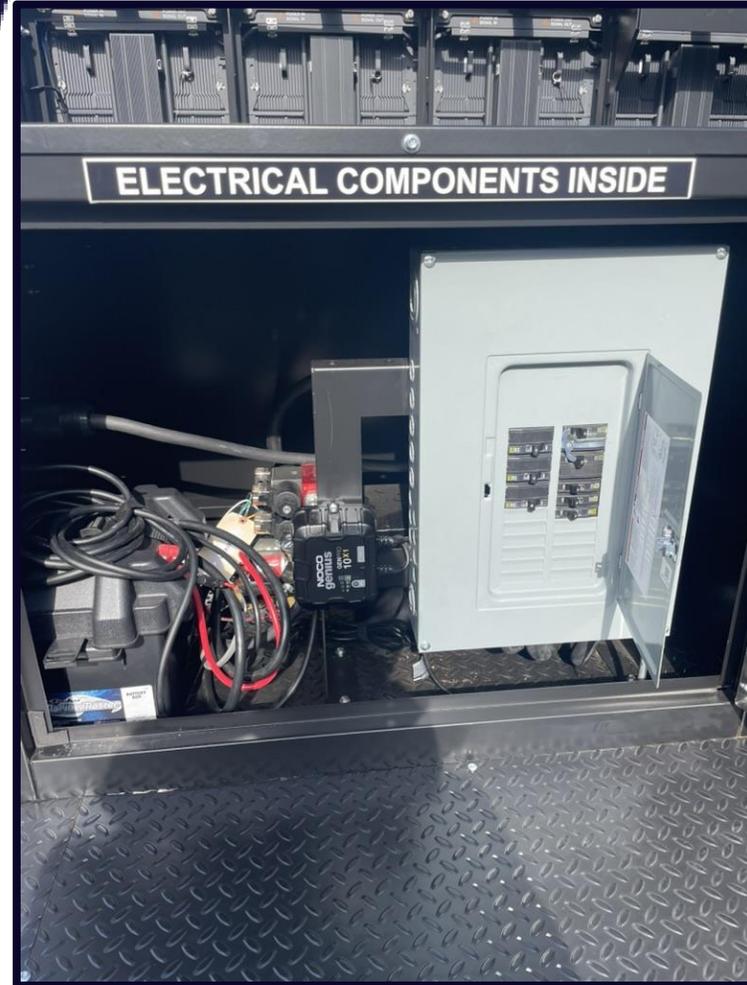
## Power

Open Electrical Panel.

Determine **Main Power Source** (Generator, Inverter or Shore Power) and turn on Breaker.

Turn ON all Circuit Breakers except for Screen Circuit Breakers.

Screen Circuit Breakers May be turned ON after Screens are Connected.



# Set Up Process

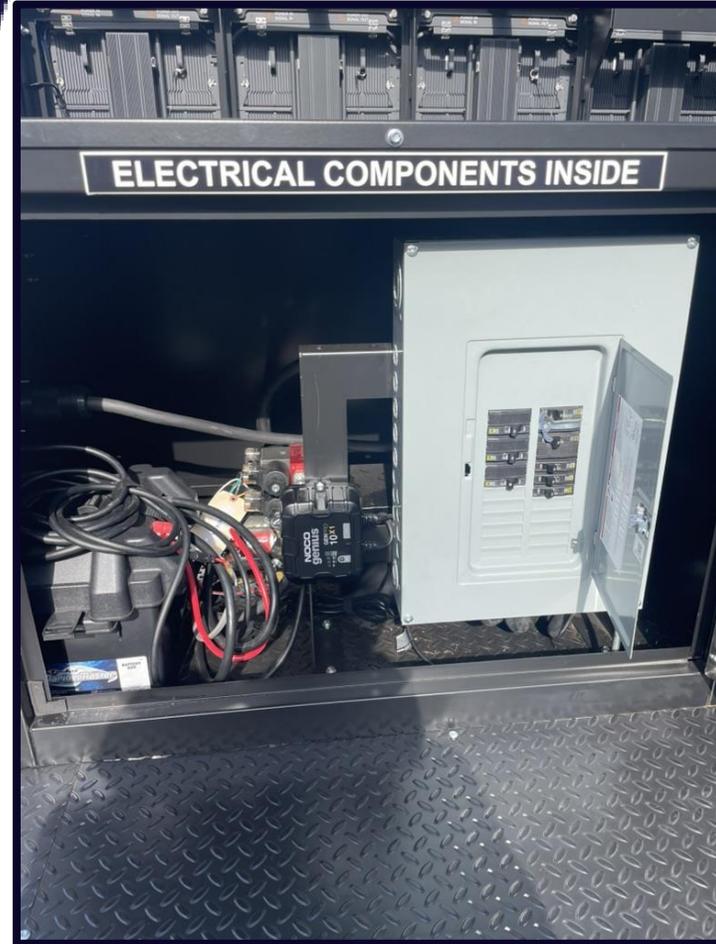
## Power

Open Electrical Panel.

Determine Main Power Source (Generator, Inverter or Shore Power) and turn on Breaker.

Turn ON all Screen Breakers.

Turn ON all remaining Circuit Breakers.



# Set Up Process

## Connect Screens

Turn ON Hydraulic Pump at Pump Switch.



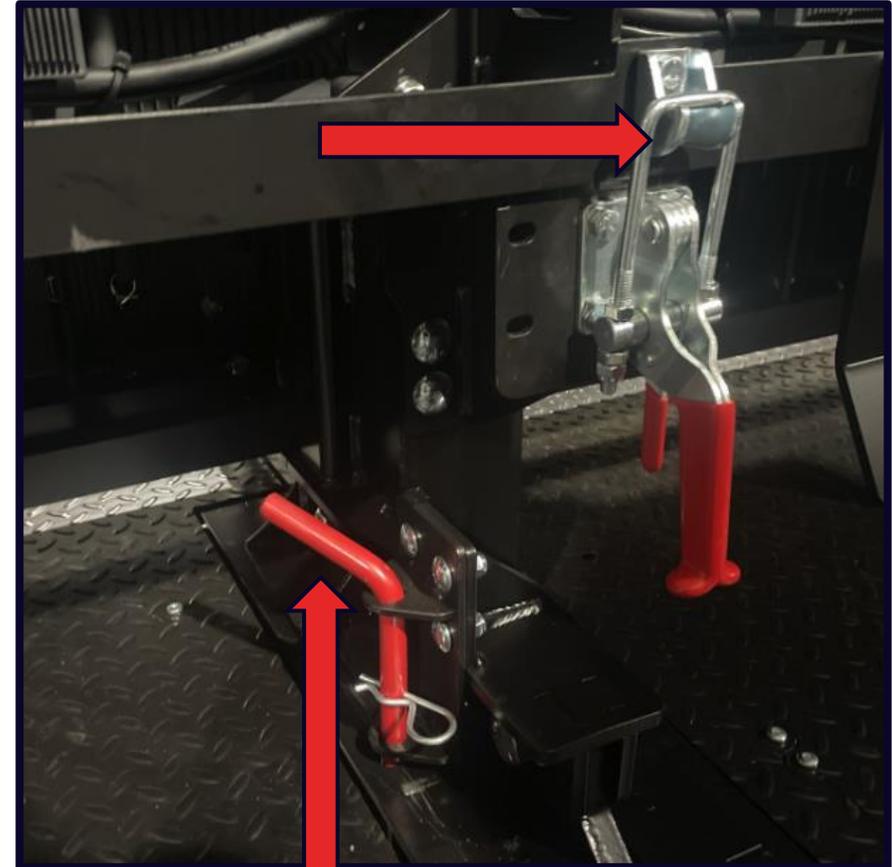
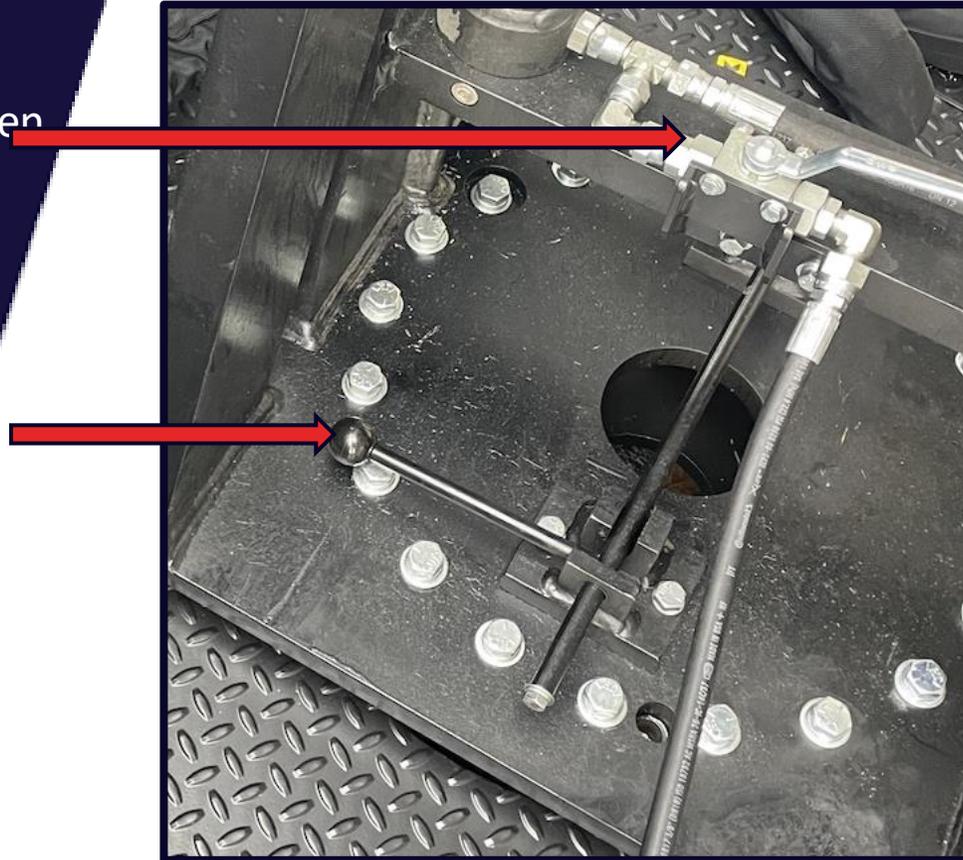
# Set Up Process

## Connect Screens

Ensure **Hydraulic Valve** is open  
(shown as *OPEN* in image).

Pull **Mast Pin** and secure  
in Open Position (pulled away  
from Mast)

Open **Screen Clamps** secure  
Screen  
Frame to Trailer  
Deck.



Rail Pin

# Set Up Process

## Connect Screens

Ensure **Screen Clamps** are open before operating **Screen Mast**.

Using **Pendant Control**, Press UP to elevate Upper Screen above Lower Screen.

Ensure Upper Screen is above **Guide Bars**, which aid in fitting the screens together correctly..



# Set Up Process

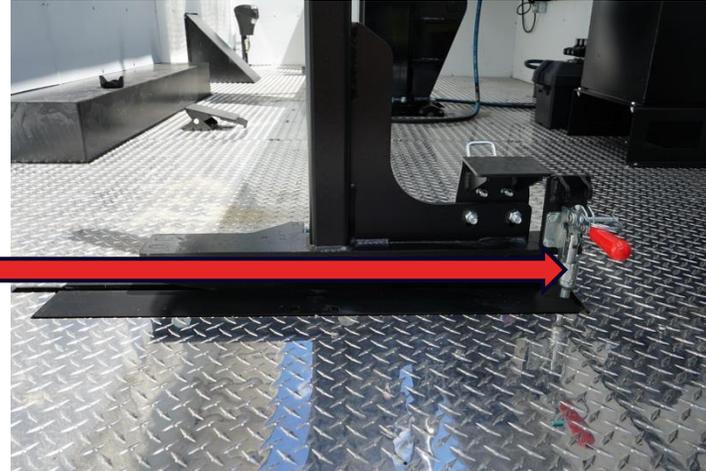
## Connect Screens

Pull Pins out of Slide Rails to allow for movement IN.

Open **Screen Clamp** near the middle of Lower Screen.

Press IN to move Lower Screen directly below Upper Screen.

Press DOWN to move Upper Screen onto Lower Screen.



If pins are not removed from Slide Rails, any movement will damage the hardware



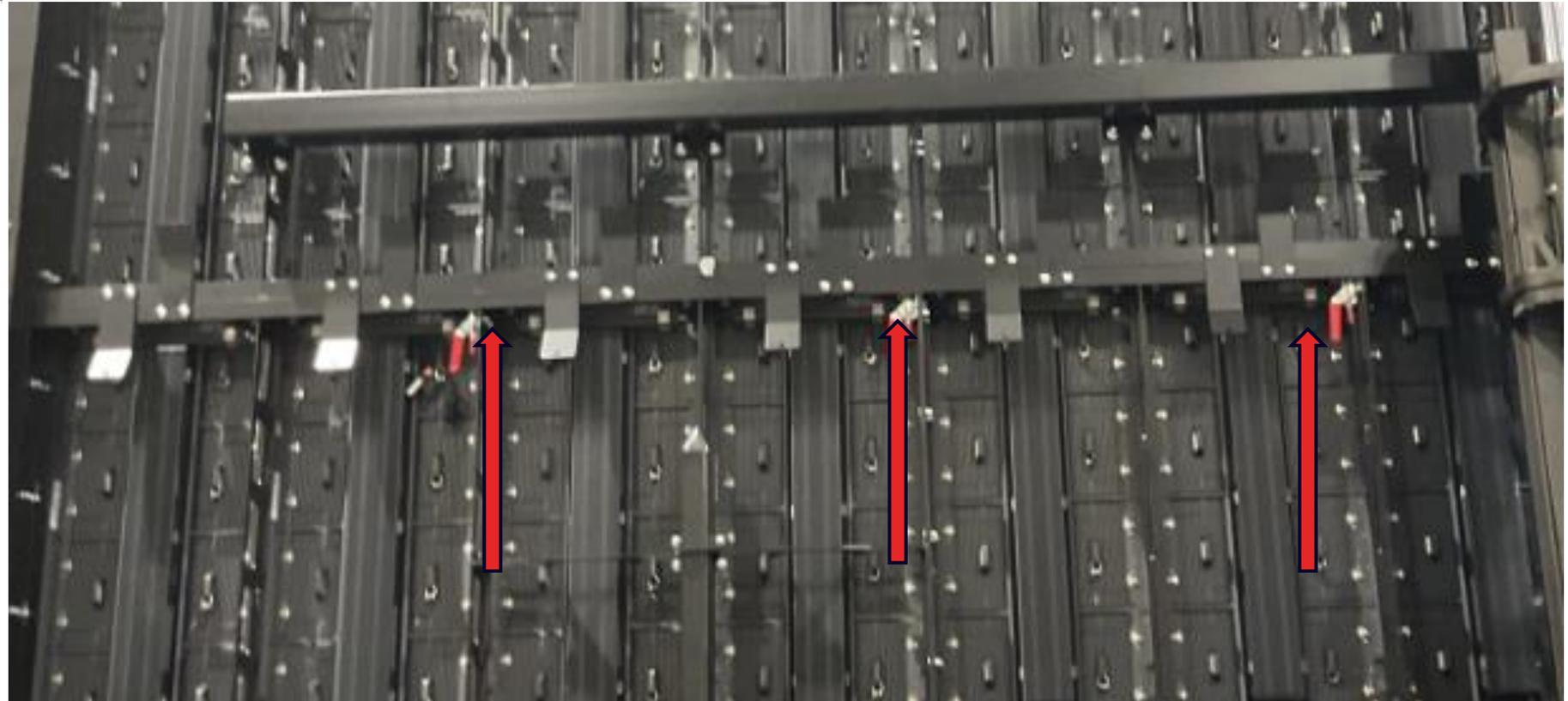
Keep all cables away from both LED Screens as they are connected

# Set Up Process

## Connect Screens

Once both screen sections are together, close all **Screen Connection Clamps**

*Be sure all Screen Connection Clamps are closed and secure. A Screen Connection Clamp is also Located at each end of the LED Screen*

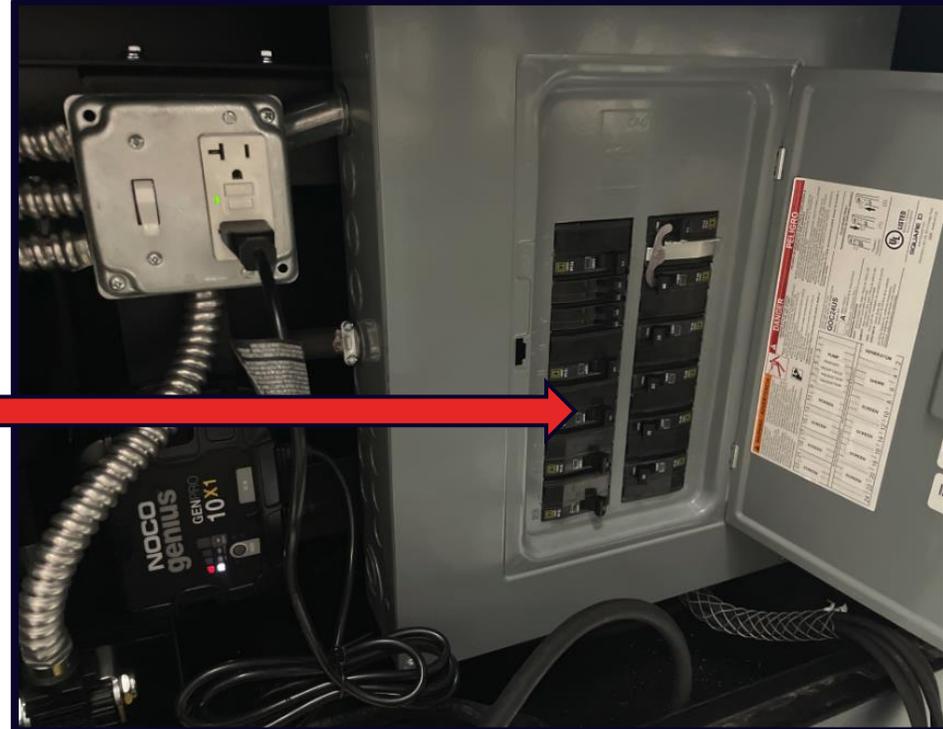
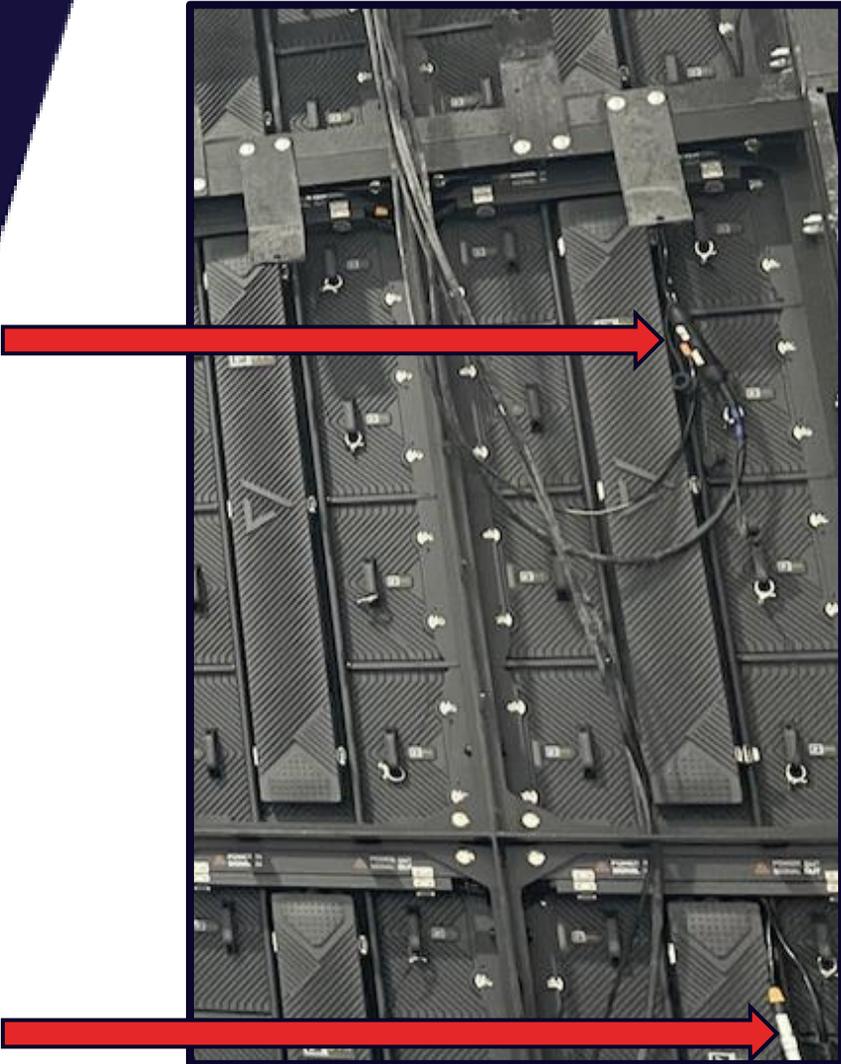


# Set Up Process

## Connect Screens

Using the color-coded tape as a guide, connect **Data and Power Jumpers** at each end of the screen and secure cables in cabinet rack.

After **Data and Power** connections are complete, the **Screen Breakers** at the Electrical Panel may be turned **ON**.

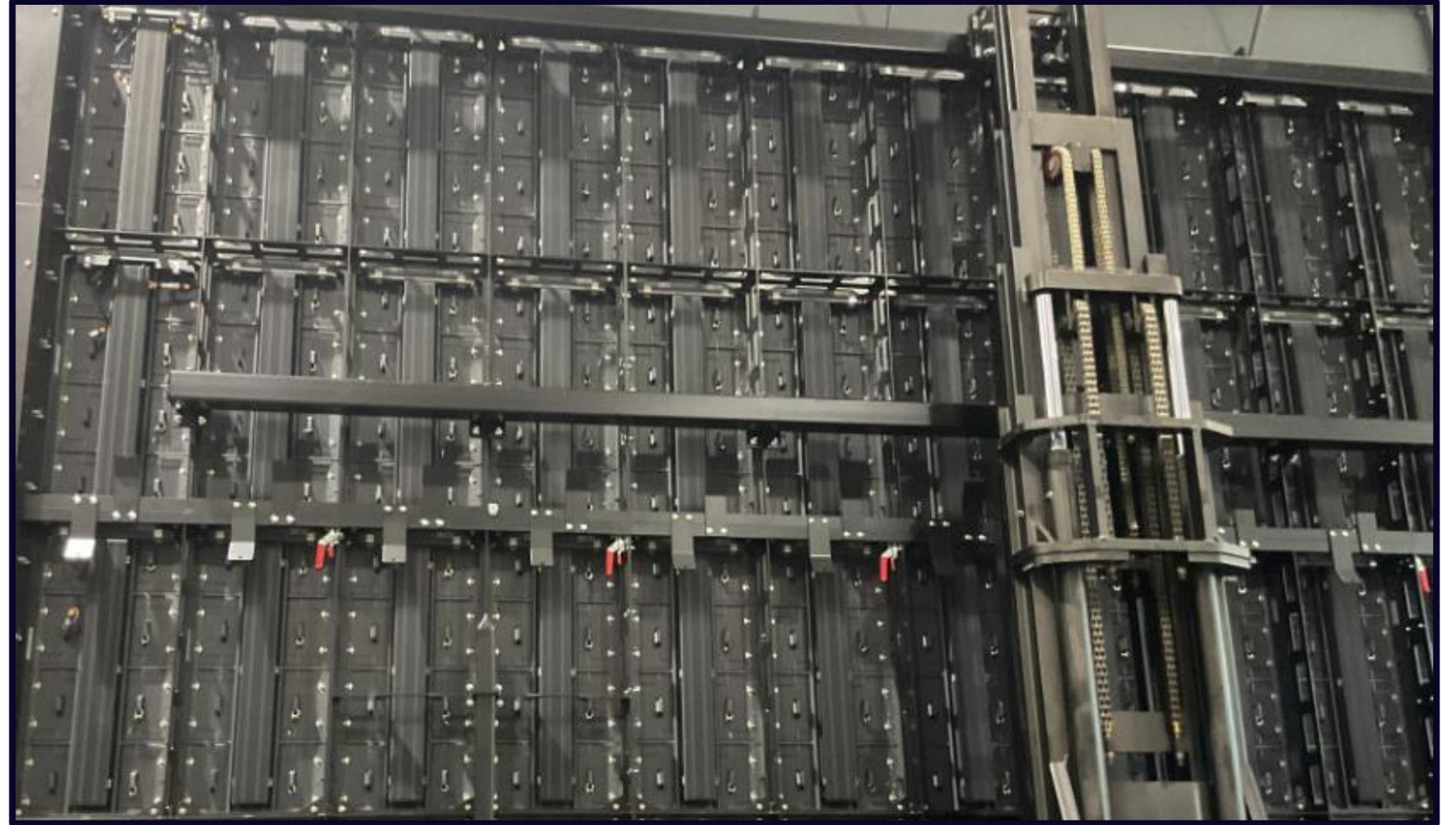


# Set Up Process

## Connect Screens

After all **Screen Connection Clamps** are closed and the **Power and Data Jumpers** are connected, the screen may be raised to desired viewing angle after applying content.

Using the **Pendant Control**, rotation of the LED Screen may be accomplished once bottom of screen is above the Production Box.



**Ensure all Screen Clamps on Trailer Deck are now Open before raising LED Screen**

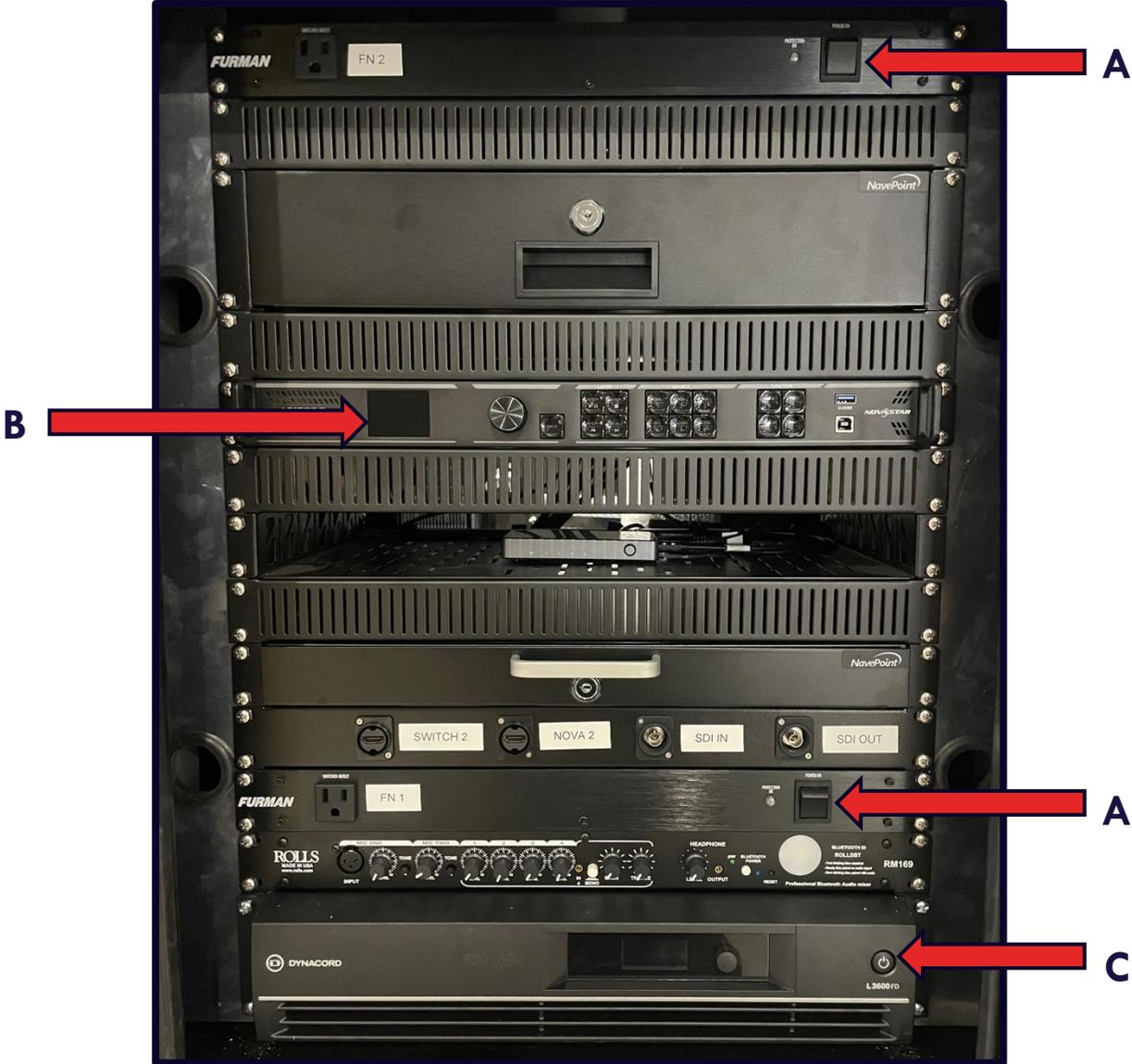
# Set Up Process

## Power

**A)** At Production Box, turn ON Power Conditioners.

**B)** The Novastar Video Processor will start up.

**C)** Turn ON Amp by pushing Power Button.

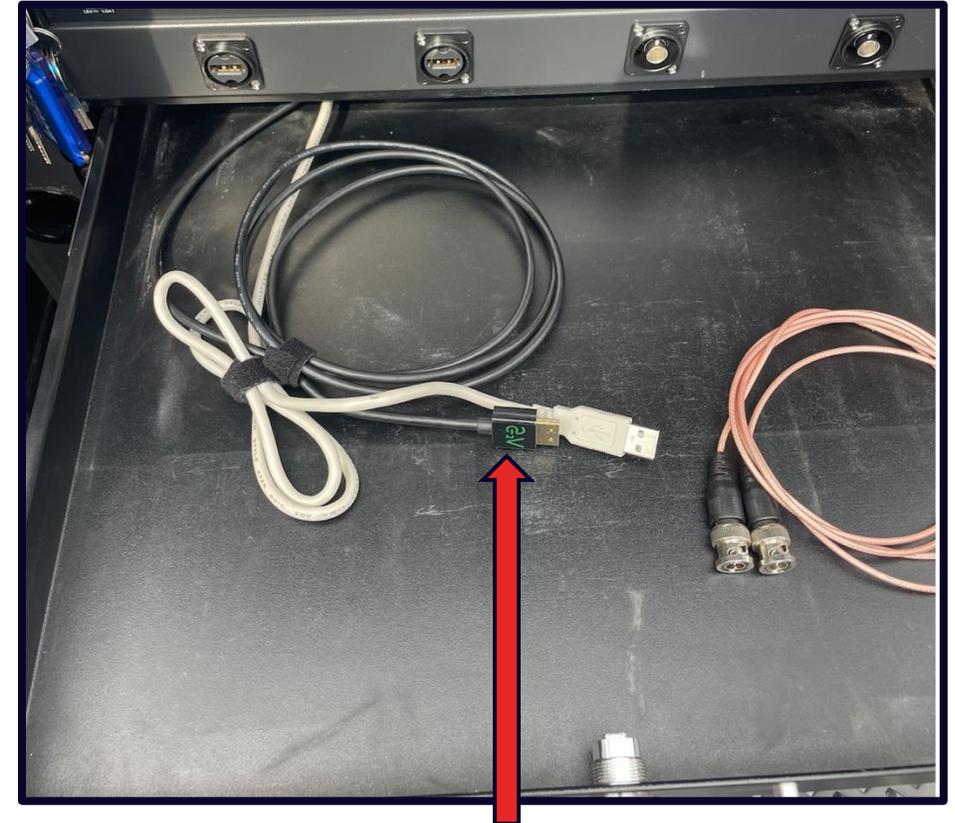


# Set Up Process

## Apply Content

Open Application Drawer and connect the HDMI1 cable to laptop.

*Note: If using U-Disk, SDI, HDMI2, HDMI 3, the Layer 1 configuration and Inputs will need to be changed to reflect the mode of Input.*



# Set Up Process

## Apply Content

Check the **Main Display Screen** of the NovaStar to be sure the proper input and layer settings is in place.

The box to the right of **Layer** will indicate the **Input** to be displayed



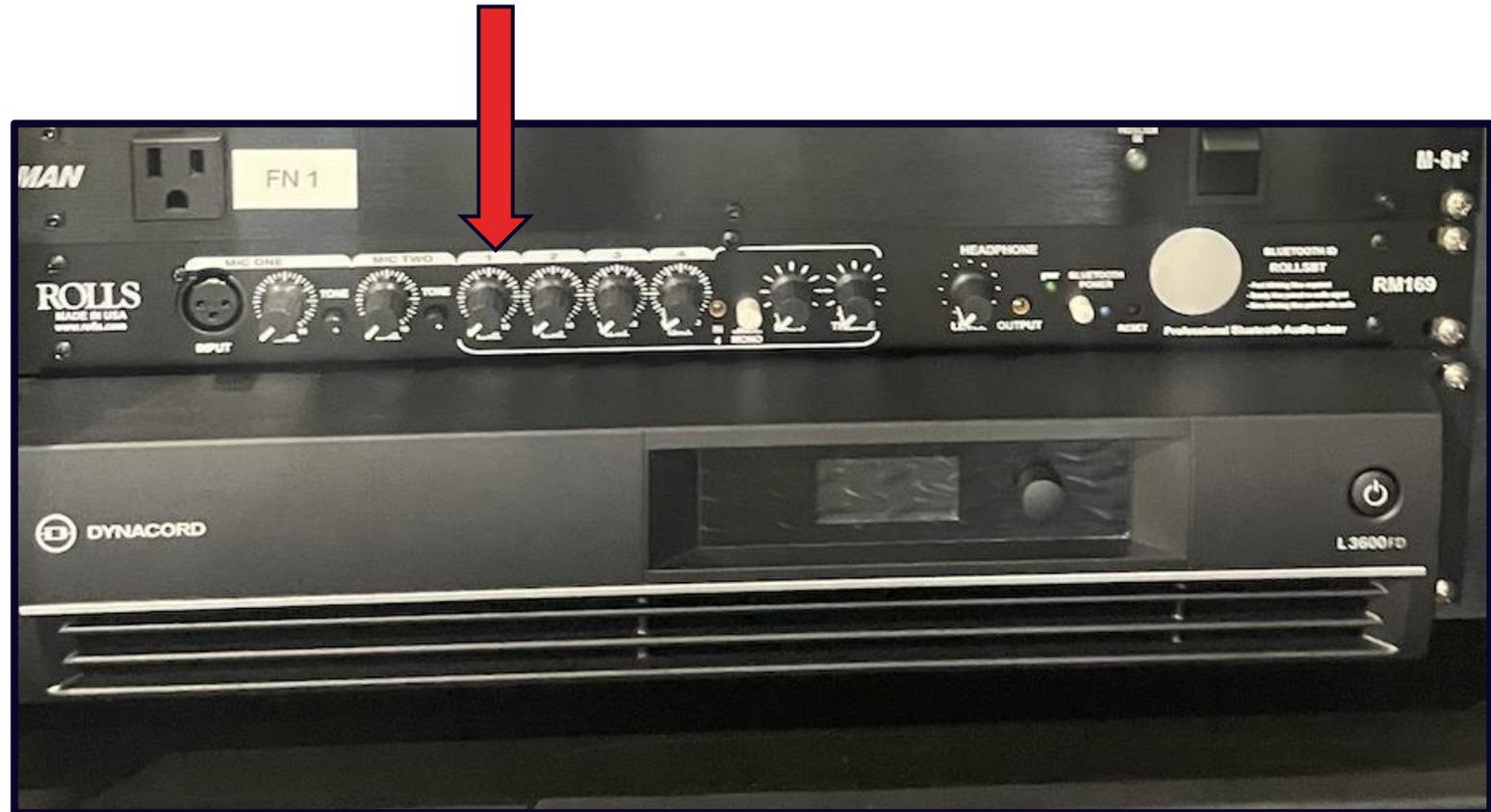


# Set Up Process

## Apply Content

Adjust volume of content to be displayed at **Channel 1** of the **Mixer**.

*Note: If using Bluetooth Audio, Volume may be adjusted at Channel 4.*



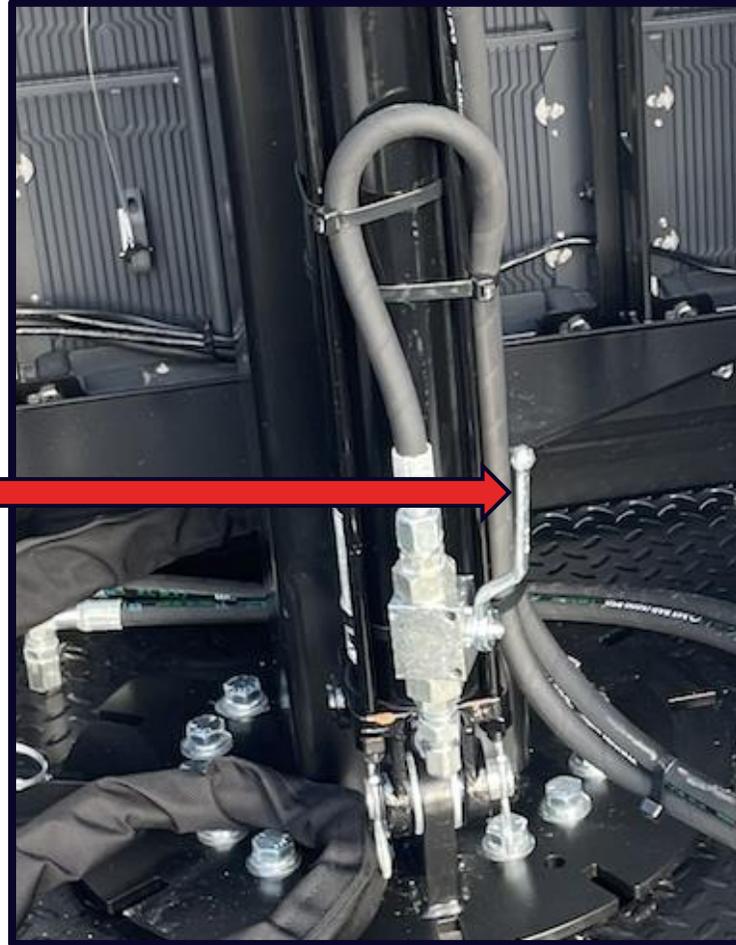
# Set Up Process

## Position Screen

Open the **Hydraulic Valve** at the base of the **Mast**. When Open, the Valve will be parallel with Hydraulic Lines on both sides.

Ensure Screen Clamps have been Opened.

Retrieve **Pendant Control** and use the UP Button to raise the screen.



**Be sure cable is at the top of the Pendant Control while operating for proper orientation of command buttons.**

# Set Up Process

## Position Screen

### *Powered Rotation*

Open the **Hydraulic Valve** at the base of the **Mast**. When Open, the Valve will be parallel with Hydraulic Lines on both sides.

Ensure Screen Clamps on Trailer Deck have been Opened.

Use the UP Button on Pendant to raise screen.



**Be sure cable is at the top of the Pendant Control while operating for proper orientation of command buttons.**

# Set Up Process

## Position Screen

### *Powered Rotation*

Be sure the bottom of the Screen is above the **Production Box** before rotating using **Pendant Control**.



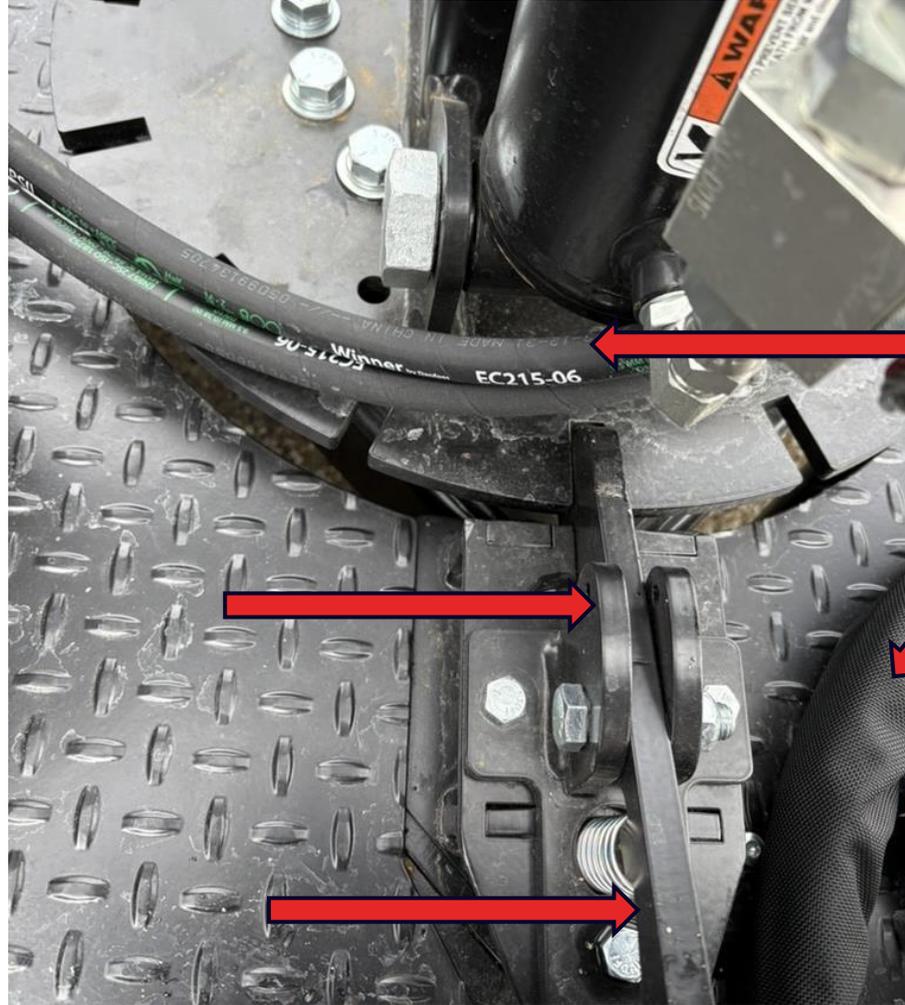
# Set Up Process

## Position Screen

### *Manual Rotation*

The Screen may be rotated up to 360 degrees for ideal viewing by removing the pin and then depressing the **Rotation Foot Brake** while moving screen manually.

Remove pressure to set in place and reapply pin.



Take care to ensure hydraulic lines and cable loom move freely during rotation.

**Note: The bottom of the screen must be above the top of the Production Box prior to rotating**

# Set Up Process

## Position Screen

Raise LED Screen using UP button on Pendant Control.

Be sure the bottom of the Screen is above the Roof before rotating using Pendant Control.

Use LEFT and RIGHT buttons on Pendant Control to rotate.



# Tear Down Process

## Production Box Components

Turn OFF Amp by  
pushing Power Button.

At Production Box, turn OFF  
both Power Conditioners.

The Novastar Video  
Processor will shut  
down



Power Conditioner

Power Conditioner

Amp

# Tear Down Process

## Remove Power

Turn off all Screen Circuit Breakers.

Turn off all other breakers except for **Hydraulic Pump, Pendant and Main Power Source** (Generator Inverter, or Shore Power)



**On Dual Screen Systems, the Hydraulic System is powered by the Main Power Source. The Power to the Hydraulic System must remain active while shutting down the MAX Mobile LED Screen.**

# Tear Down Process

## Remove Power

Turn off all Screen Circuit Breakers.

Turn off Production, Battery Charger, and any other Circuit Breakers below Main Power Source (Generator, Inverter, or Shore Power)

Finally, turn off Main Power Source Circuit Breaker.



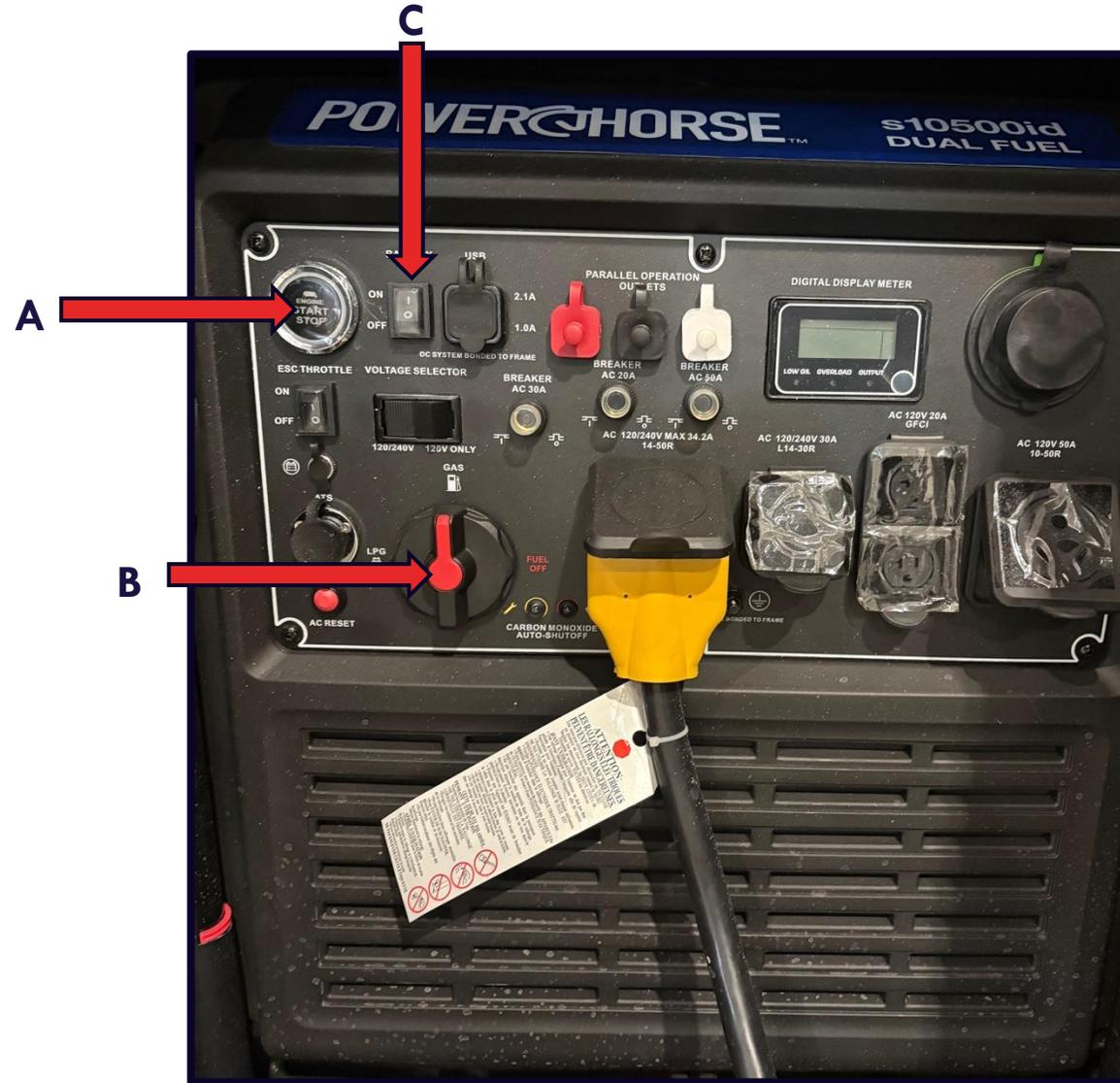
# Tear Down Process

## Remove Power PowerHorse Generator

A-Push START/STOP button to shut down Generator.

B-Turn Fuel Switch to FUEL OFF.

C-Turn off Battery Switch.



# Tear Down Process

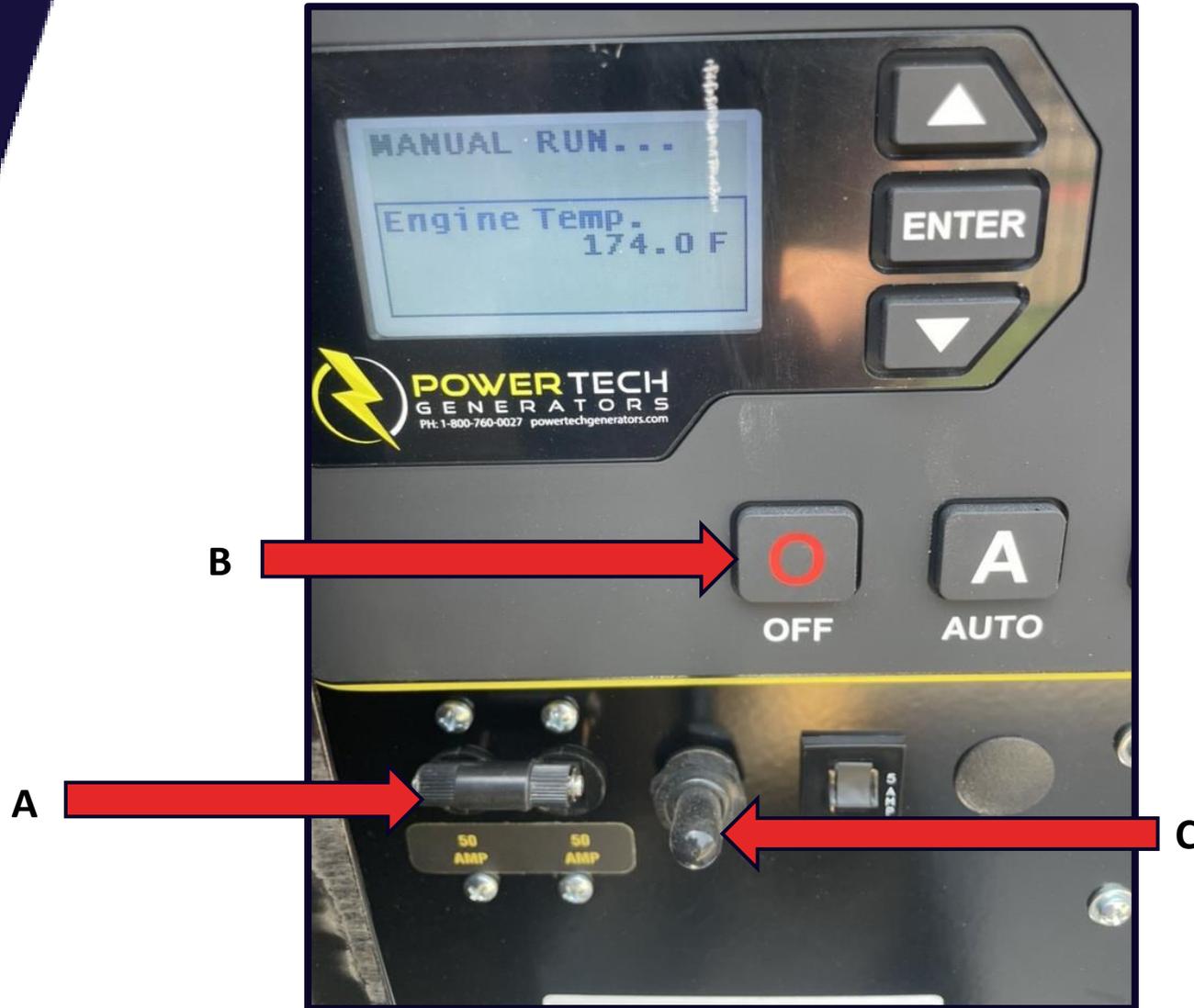
## Remove Power

### *Power Tech Generator*

**A**-Flip 50 AMP Breaker to the down position.

**B**-Push OFF button to shut down Generator.

**C**-Turn Control Switch off by flipping to down position.



# Tear Down Process

## Remove Power *PowMr Inverter*

Turn off **Inverter** at Power Switch located at the bottom right of front panel.



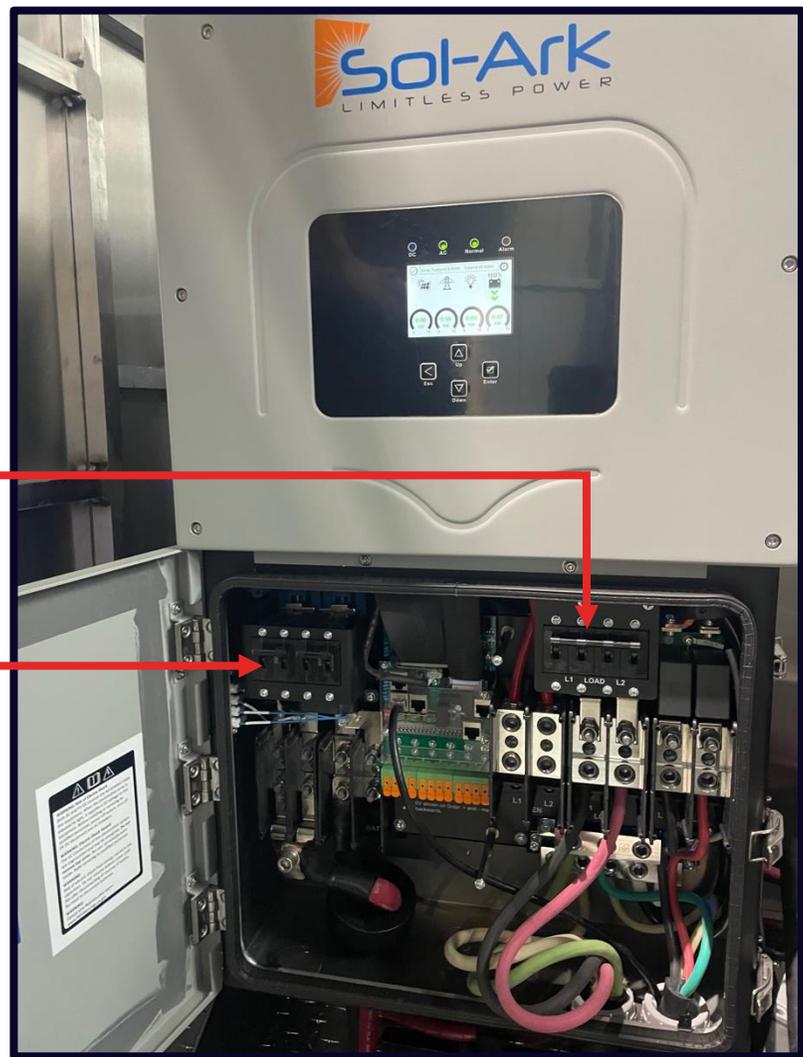
# Tear Down Process

## Remove Power *Sol-Ark Inverter*

Turn off Load Breaker at  
Inverter Panel.

Push Power Button on  
right side of inverter  
to de-energize.

Turn off Line  
Breaker at  
Inverter Panel.



# Tear Down Process

## Remove Power

*PowMr Battery*

*Pytes Battery*

Turn off power to all Batteries in system to de-energize.

The Power Switch for each Battery is shown in this image.

**PowMr Battery**



**Pytes Battery**



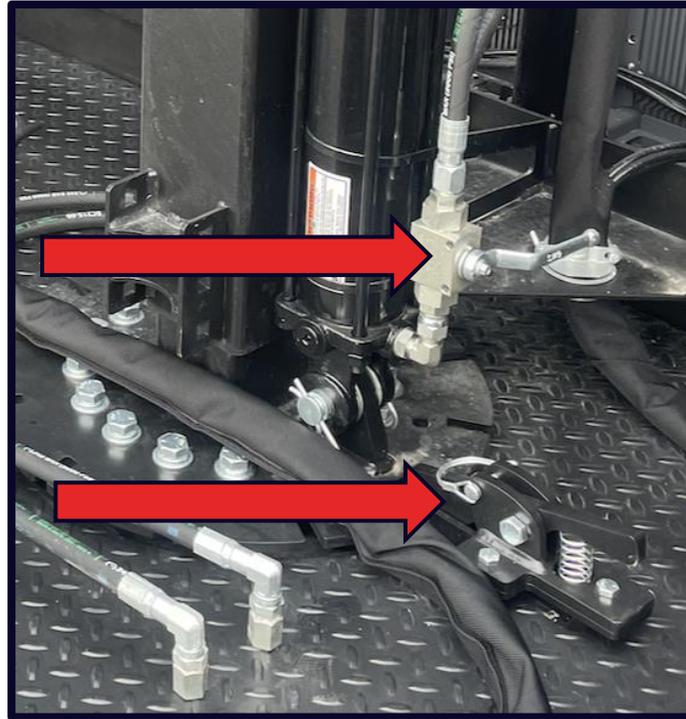
# Tear Down Process

## Secure Screen

Slowly open the **Hydraulic Valve** and pay attention to any movement of the screen

Use **Rotation Foot Brake** to move screen to align with **Screen Clamps**.

Use **Pendant Control** to lower screen to **1 foot above Trailer Deck**.



**Ensure that the bottom of the screen is above the Production Box before rotating back to neutral position.**

**When positioning screen, ensure the Loom and Hydraulic Lines remain free from moving parts.**

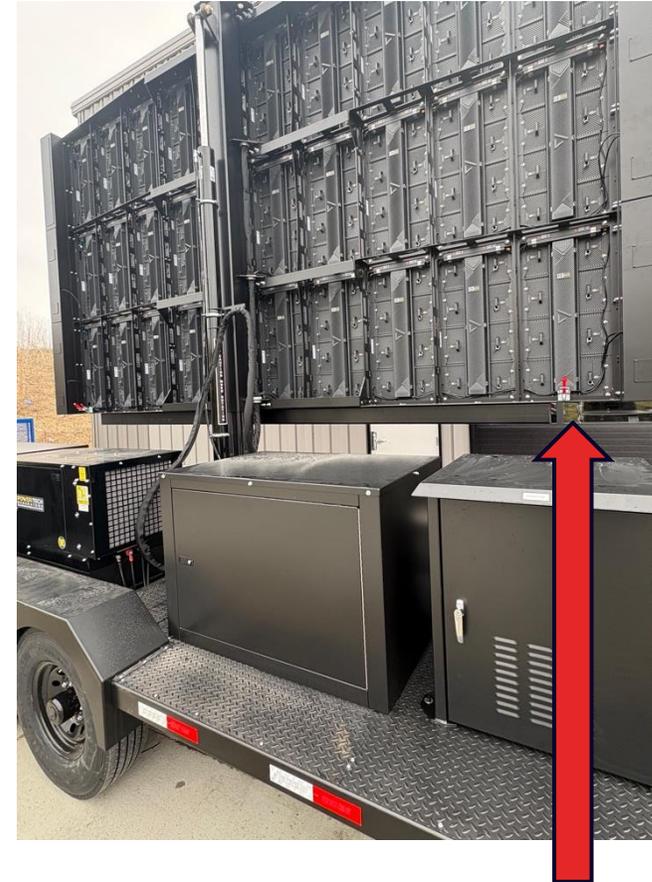
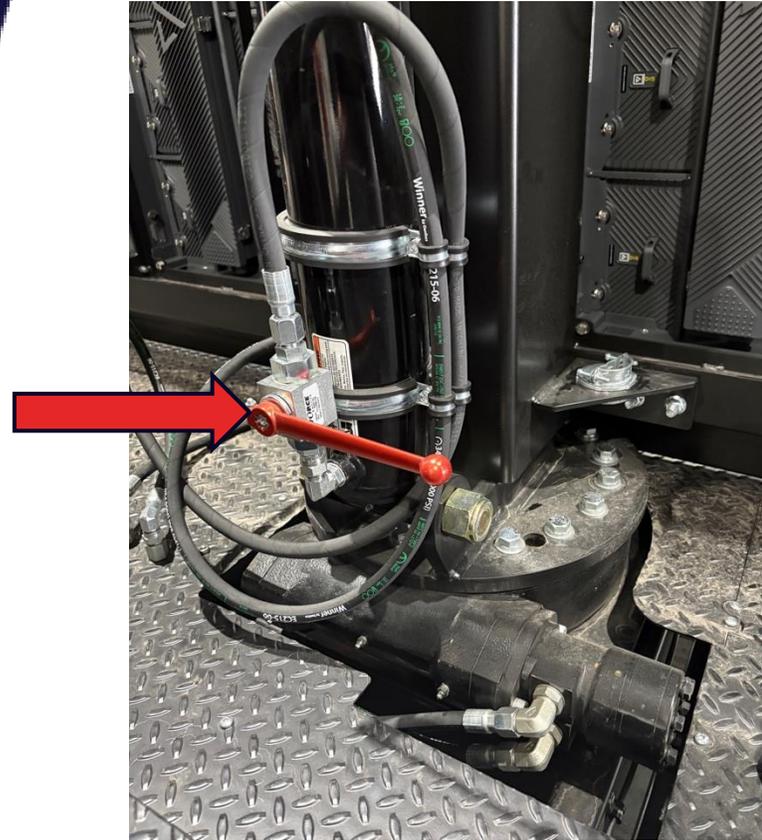
# Tear Down Process

## Secure Screen

Slowly open the **Hydraulic Valve** and pay attention to any movement of the screen

Use **Pendant Control** to rotate screen to align with **Screen Clamps**.

Use **Pendant Control** to lower screen to **1 foot above Trailer Deck**.



**While rotating screen, ensure that the screen is aligned with neutral position before lowering to avoid damage to roof. Keep Cable Loom away from bottom of screen to avoid crushing damage.**

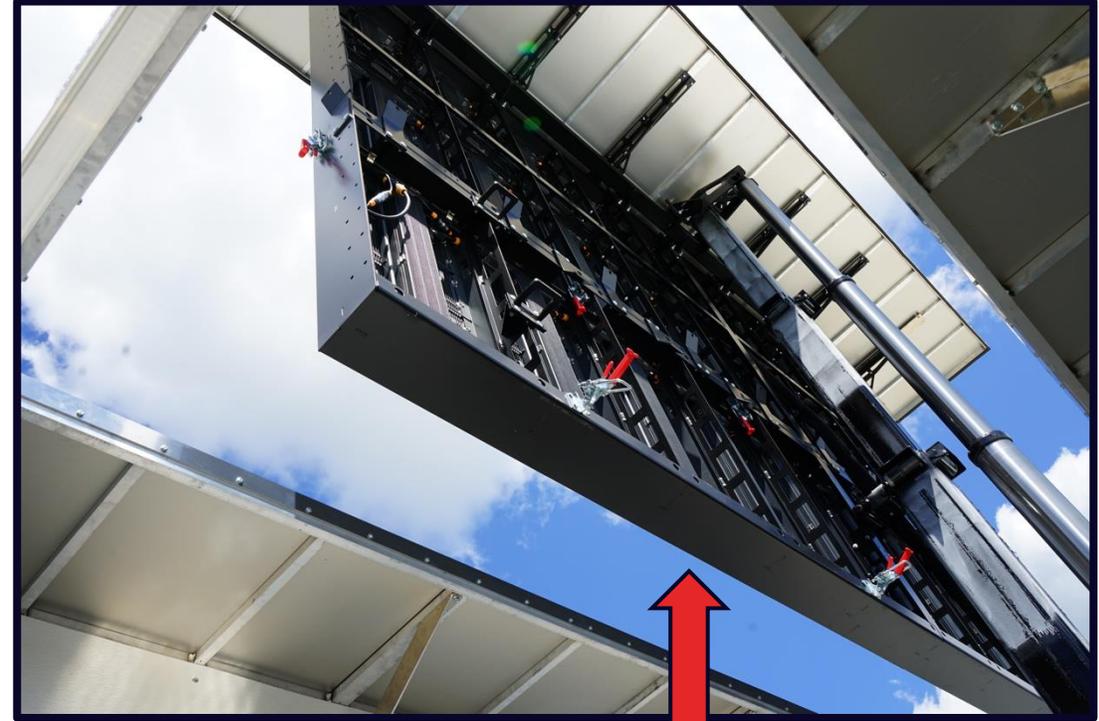
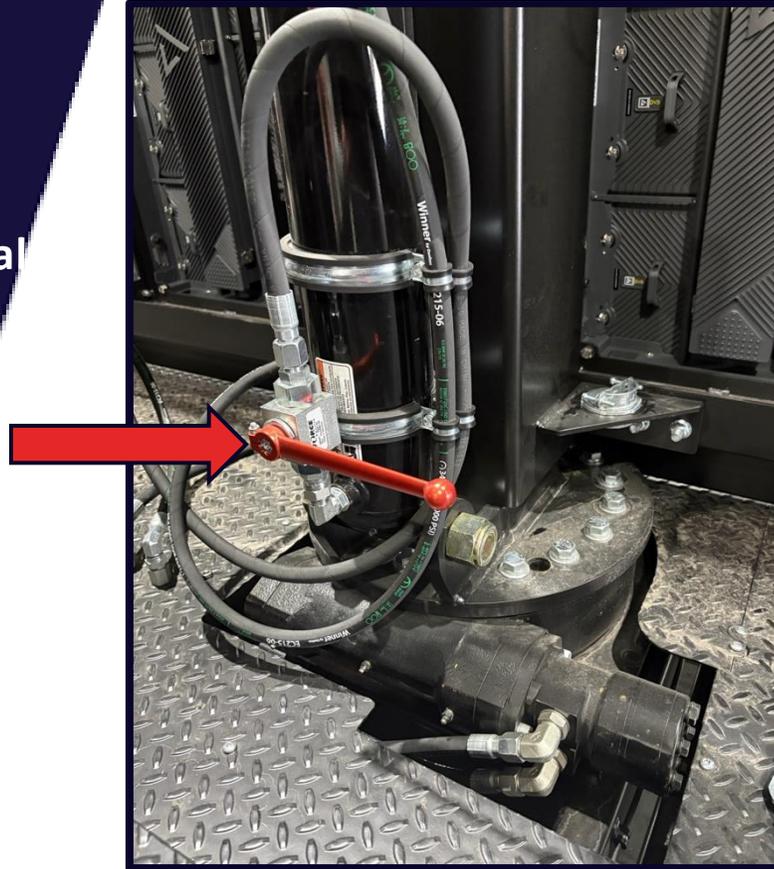
# Tear Down Process

## Secure Screen

Slowly open the **Hydraulic Valve** and pay attention to any movement of the screen.

Use **Pendant Control** to rotate screen to align with **Screen Clamps**.

Use **Pendant Control** to lower screen to **Trailer Deck**.



**While rotating screen, ensure that the screen is aligned with neutral position before lowering to avoid damage to roof. Keep Cable Loom away from bottom of screen to avoid crushing damage.**

# Tear Down Process

## Secure Screen

Once screen is about 1 Foot above trailer deck, view bottom screen bar from rear and slowly lower to align in front of **Screen Clamp Brackets**.

**Note:** Screen may be slightly moved by hand to allow for proper alignment with **Screen Clamp Brackets**.



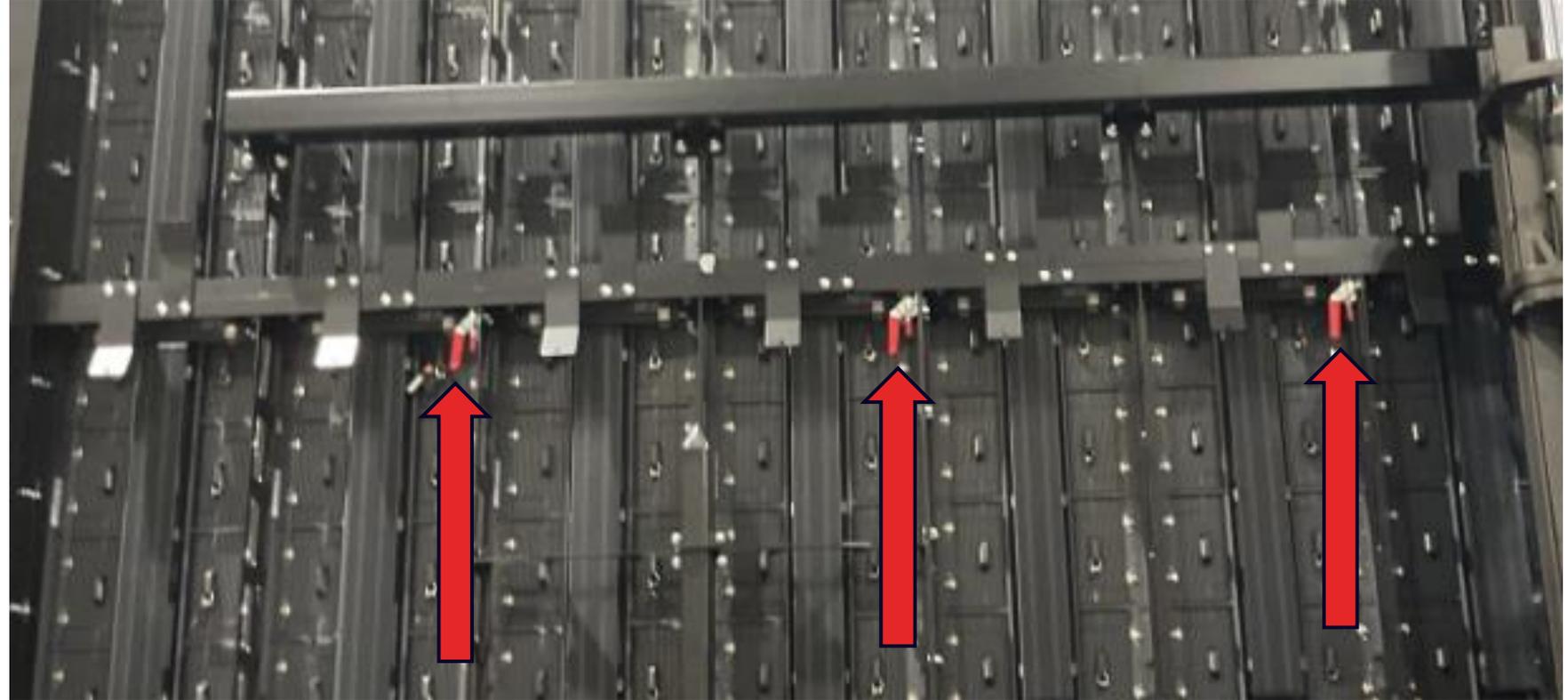
**While lowering screen to Trailer Deck, ensure bottom of screen is clear from any objects to avoid damage from crushing**

# Tear Down Process

## Secure Screen

Once screen is lowered to **Trailer Deck**, close **Red Screen Clamps** at deck to secure Lower Screen.

Open all **Screen Connection Clamps** to allow for separation of Upper and Lower screens.



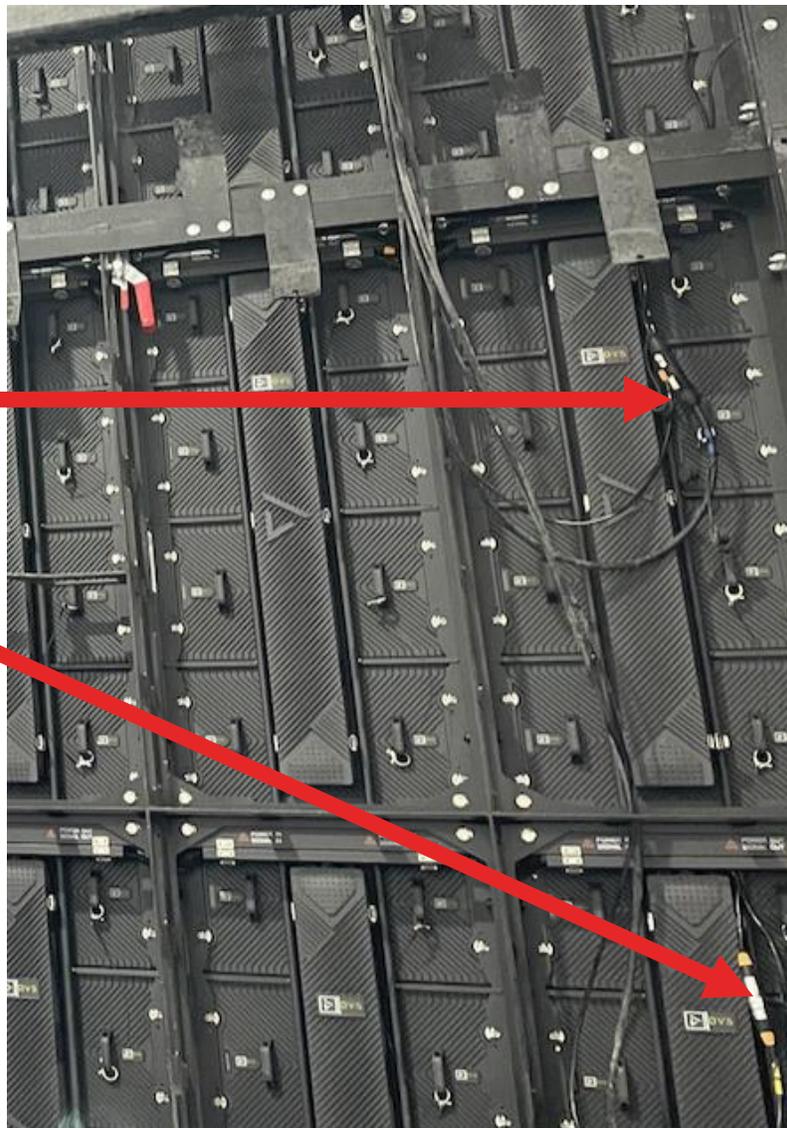
**Make sure all Screen Connection Clamps**  
**Are OPEN, including clamps on the front and**  
**rear ends before separating screens.**

# Tear Down Process

## Secure Screen

Disconnect **Data and Power Jumpers** at both ends of the screen.

Secure with protective connection plugs and tuck bundles in cabinet rails.



# Tear Down Process

## Secure Screen

Using **Pendant Control**, separate screens by using **UP** button.

Once **Upper Screen Guide Bars** are above **Lower Screen Guide Bars**, move **Lower Screen** using **OUT** Button on **Pendant Control**.

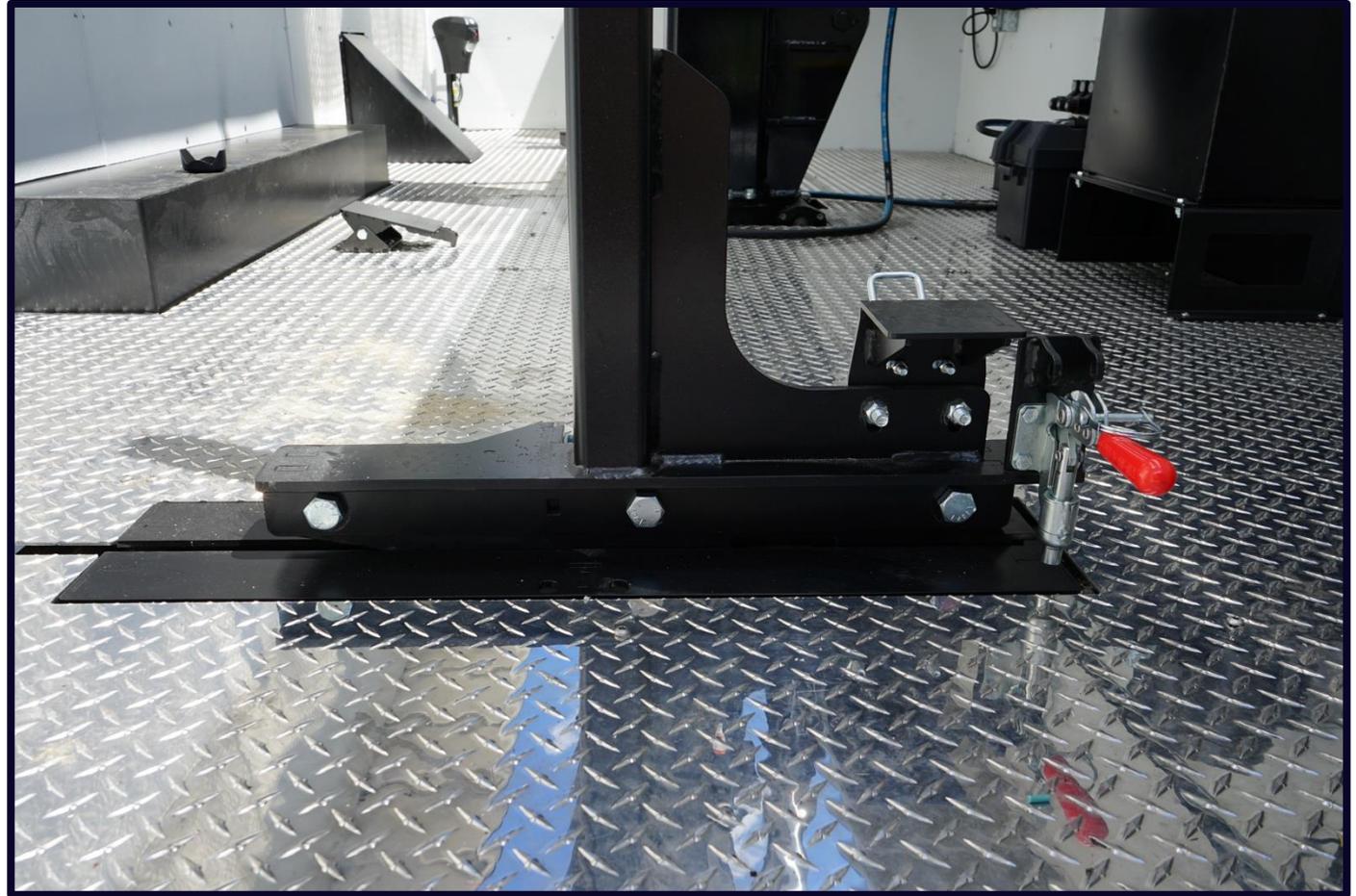


# Tear Down Process

## Secure Screen

When Lower Screen is all the way OUT, insert **Rail Pins** in the **Slide Rails** to secure.

Use **DOWN** button on **Pendant Control** to move Upper Screen to **Trailer Deck**.



# Tear Down Process

## Remove Power

Turn off **Hydraulic Pump**  
at Pump Switch.

Turn off **Hydraulic Pump**  
and **Pendant Circuit**  
**Breakers.**

Turn off **Main Power**  
**Source Circuit**  
**Breaker**  
(Generator,  
Inverter or Shore  
Power)

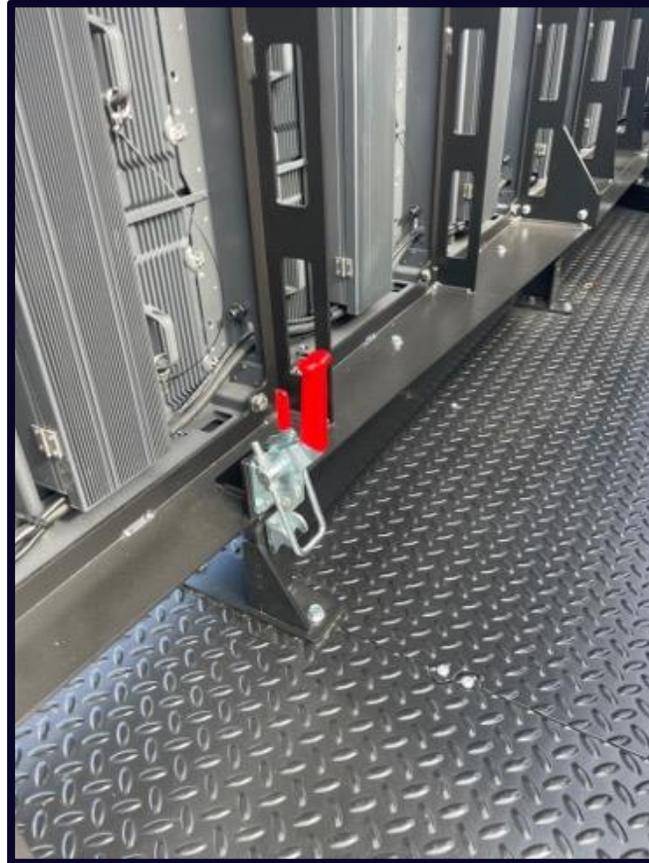


# Tear Down Process

## Secure Screen

Close all **Screen Clamps** at Trailer deck.

Keep **Wheel Chocks** in place until MAX Mobile LED screen is to be moved.



# Tear Down Process

## Secure Screen

Close all **Screen Clamps** at Trailer deck.

Keep **Wheel Chocks** in place until MAX Mobile LED screen is to be moved.

Install **Screen Braces** before moving MAX Mobile LED Screen.

