

BRIC COMMANDER FOR SINGLE STAGE GANTRY WITH HOOKLIFT


INSTALLATION INSTRUCTION MANUAL





SAFETY

Read this section carefully before proceeding. The following symbols may appear prior to certain safety related assembly and installation steps described in this manual.

FAILURE TO OPERATE AND INSTALL THIS UNIT AS INSTRUCTED MAY RESULT IN SERIOUS INJURY OR DEATH.

 DANGER
Indicates an immediately hazardous situation which, if not avoided, will result in serious injury or death.

 WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

 CAUTION
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

NOTICE
Indicates information about a subject that is not safety related.

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Swaploader Systems

Note: Installing BRIC Commander Wiring and Plumbing should take place after the hooklift and gantry tarp system are installed on to the frame of the truck or trailer.

Air over Hydraulic Kits

OPTION 1: Two and Three Function Swaploader with No Cab Controls

Integrating the Swaploader Plumbing

On new installations, the remote air valving and wiring will be installed and pre-wired from the factory.

CAUTION

Air lines and tanks may be pressurized. Bleed or shut off air lines or tanks before completing next steps.

Tap into the air supply on the trucks air system. Use supplied air lines if necessary. This can be done by

running into an existing air supply line or running directly into one of the air tanks. When routing directly to an air tank, install a 70psi pressure protection valve to protect the air brake system.

NOTICE

Install 70psi pressure protection valve if connecting directly to air tanks.

Route the new supply line to the labeled "supply" fitting on the valve block located next to the gantry cylinder see *Figure 1*.

Be mindful of moving parts and hot areas when routing supply line.

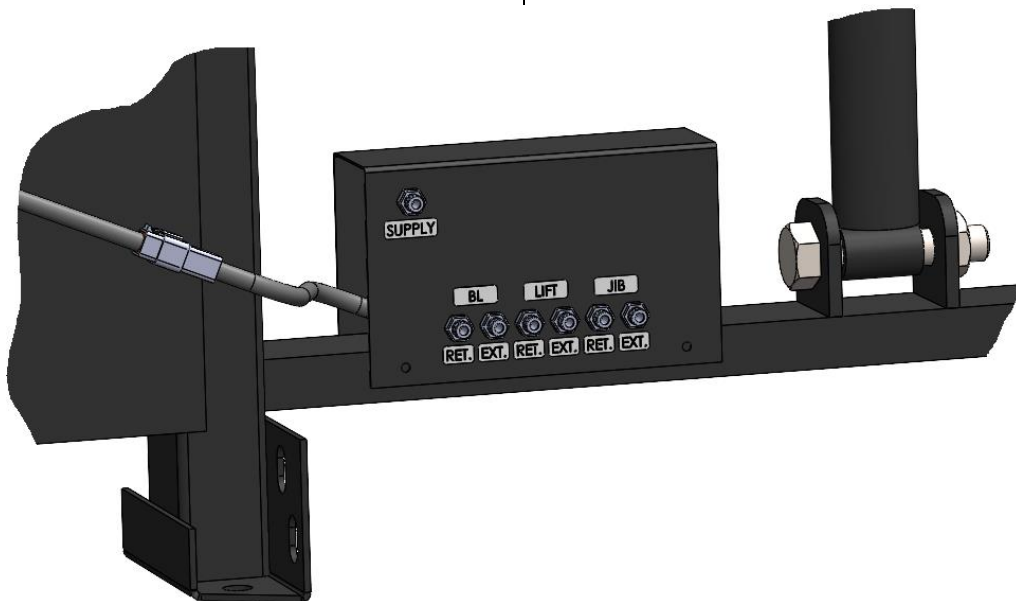


Figure 1 – Valve Block Location with U-Lock

Route signal air lines from the Swaploader air over hydraulic valve to the USTarp air valve block. The USTarp valve block has labeled push to connect fittings for the jib, lift (and u-lock if applicable). Match air lines with their designated function. Air lines can be swapped later if the functions do not match the operation. See Figure 1 for intended function labeling.

Optional Auxiliary Function

The BRIC Commander includes an auxiliary function that can be used for strobe lights, work lights, or other similar functions mounted on the truck or trailer. This function is limited to a 10A maximum and requires the installer to wire into the control box mounted on the gantry frame.

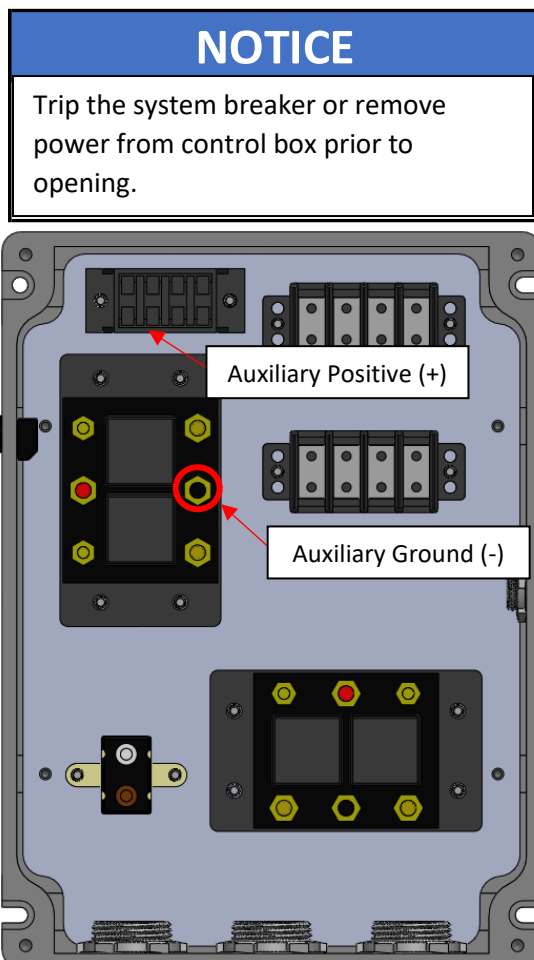


Figure 2 – Wiring Auxiliary Function Wire

The installer may route the auxiliary function wire (not included) into the control box through the pre-installed cord grips or they can add their own cord grip by carefully drilling an access hole on the underside of the control box.

Once the auxiliary wire is run in to the control box, crimp a ¼" ring terminal on the ground lead and connect to system ground in Figure 2. Crimp a female quick connect onto the positive lead, remove the fuse block shown in Figure 3 and connect the positive lead to the second fuse station. All other connections will already be wired to the block. Replace block onto component plate.

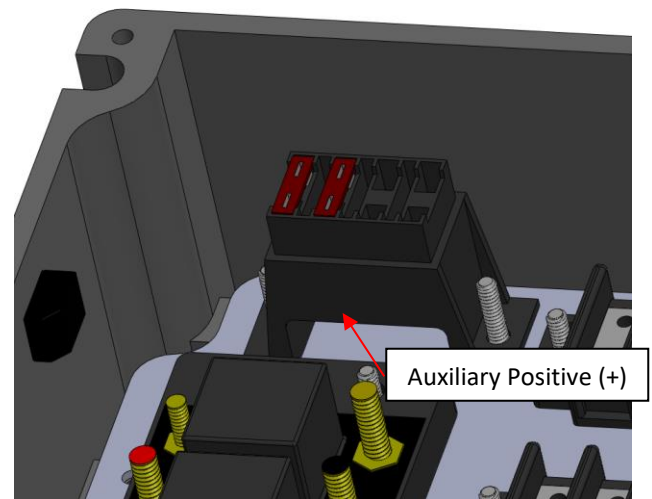


Figure 3 – Auxiliary Signal Wire

Installing the Remote

The BRIC remote comes with a 4ft tether attached. See Figure 4. The installer is required to attach the free end of the tether to a fixed object in the cab.

⚠ **WARNING**

Failing to secure the remote inside of the cab could result in injury or death.

Seat mounts and center console mounts are good locations to fix the open end of the tether. Remove one of the mounting bolts in the cab and slide on

the free end of the tether and reattach the bolt to factory specifications.



Figure 4 – BRIC Remote and Tether

Testing the System

Restore or turn on power to the gantry tarp system. Press the Start button on the remote and test the gantry functions: Gantry Up/Down, Tarp In/Out, Work Lights ON/OFF.

Start the truck, allow air to build and turn on the truck's PTO system to test the hooklift system. Extend and retract the jib with the remote. Extend and retract the lift. (Engage and disengage the u-lock, if applicable).

If any of these functions are backwards, turn off the PTO and swap the Extend and Retract air lines on the USTarp valve block for the function that is incorrect on the gantry frame.

Ensure that all hooklift safety features are operational with the remote. If they are not functioning properly, do not use the system until corrected.

The USTarp BRIC Commander system is installed with failsafe switches for the hooklift if the remote were to get lost, fail, or break. These are the bottom 2 (or 3) switches on the control box. Test these switches to ensure they operate the proper functions.

Consult the USTarp Technical Support team if the system is not operating properly 800-249-0297 ext. 3090.

BRIC Commander Operation



WARNING

Do NOT Remove Handheld Remote from Truck Cab. Failure to Comply May Result in Injury or Death.

The USTarp BRIC Commander remote system is intended to be operated from the cab of the truck. The remote system will be anchored in the cab. If the remote is not anchored inside the cab, consult the installer before operation.

Remote Functions:



- 1- Gantry UP
- 2- Gantry DOWN
- 3- Tarp UNCOVER
- 4- Tarp COVER
- 5- Tarp Auxiliary (if applicable)
- 6- Tarp Auxiliary (if applicable)
- 7- Jib EXTEND
- 8- Jib RETRACT
- 9- Lift EXTEND
- 10- Lift RETRACT
- 11- Hooklift Auxiliary (if applicable)
- 12- Hooklift Auxiliary (if applicable)
- 13- Gantry Worklights
- 14- Truck Auxiliary (if applicable)

Figure 5 – Remote Functions

Remote functions shown above in *Figure 5* are a standard set up. If functions do not match, consult the installer. Operate one function at a time with the exception of work lights or strobe lights.

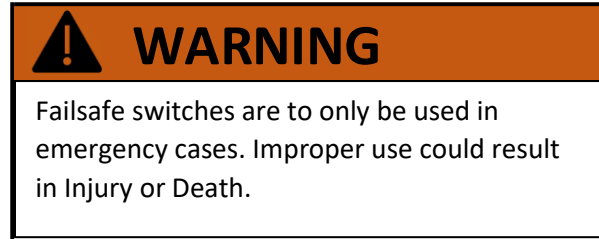
Uncover/Unload Operation

1. Press the START button
2. Raise gantry frame up completely
3. Uncover the tarp 75% of the way
4. Lower gantry frame to resting position
5. Uncover tarp fully
6. Operate hooklift system to unload container or dump load as per hooklift manufacturers instruction
7. Press the STOP button

Cover/Load Operation

1. Press the START button
2. Load container and retract hooklift as per instruction of the hooklift manufacturer
3. Run tarp to 25% covered
4. Raise gantry frame completely
5. Cover tarp completely covering the load
6. Lower gantry frame back to resting position
7. Press the STOP button

Failsafe Information & Operation



The USTarp BRIC Commander comes with failsafe switches located on the face of the control box behind the cab on the driver's side, *Figure 6*. These switches are intended to only be used incase of emergency (i.e. lost remote, remote failure). These switches are not intended to be used on a daily basis. If the remote failed or was lost or broken, replace or repair immediately. The truck cab is the safest place to operate the tarp and hooklift functions.

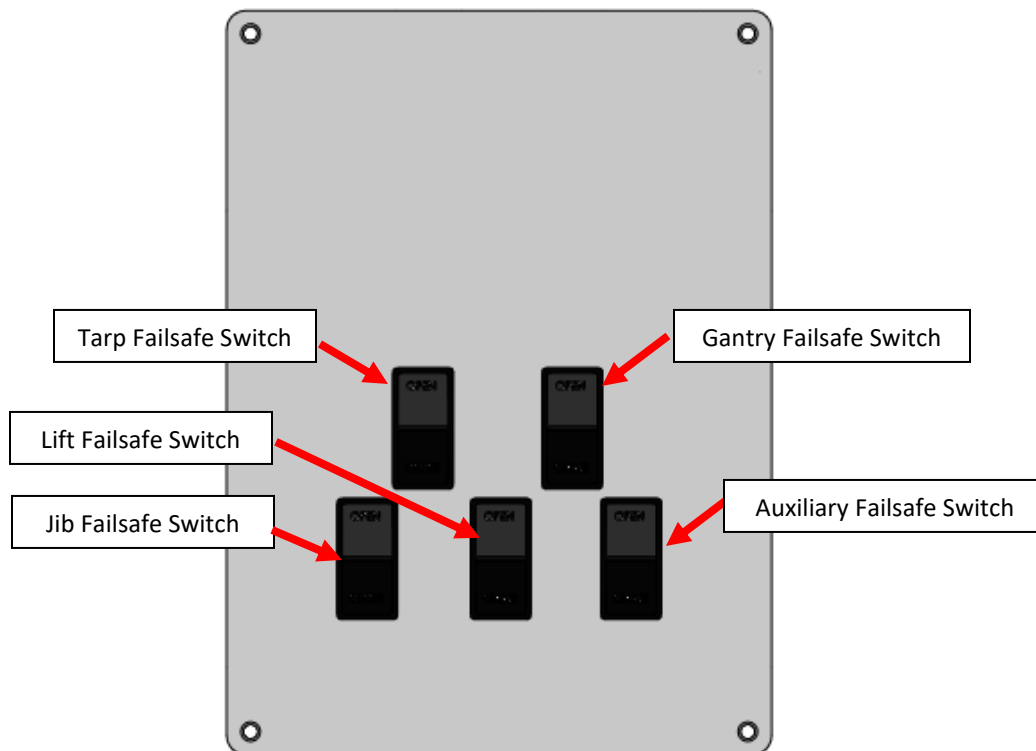


Figure 6 – Failsafe Switches

NOTES

Gantry System Part Number: _____

Purchase Date: _____

Installation Date: _____

Gantry Frame S/N: _____

Electric Motor S/N: _____

Other Notes: _____

