

PRODUCT MANUAL

HEELER 87C

PORTABLE CHUTE, ALLEY & CORRAL SYSTEM

87-PC1000



OCTOBER 2025 | 2022516

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arrowquip.com



WARNING

DO NOT JACK UP THE REAR-END WHILE THE FRONT IS RAISED, AND VICE VERSA. ENSURE THE TRANSPORT INSTRUCTIONS OUTLINED IN THIS MANUAL ARE FOLLOWED.

WHEEL LUG NUTS SHOULD BE TORQUED BEFORE FIRST ROAD USE TO 120 FT. LBS.



WARNING

PLEASE FOLLOW ALL SAFETY INSTRUCTIONS PROVIDED IN THIS MANUAL BEFORE OPERATION. ARROWQUIP DOES NOT ACCEPT RESPONSIBILITY FOR ANY ACCIDENTS OR INJURY WHEN THIS SAFETY MANUAL HAS NOT BEEN READ IN FULL AND KEPT WITH THE PRODUCT AT ALL TIMES.

OPERATORS OF THIS PRODUCT TAKE AND ACCEPT RESPONSIBILITY FOR ANY HARM OR INJURY TO THE ANIMAL OR OPERATOR WHEN IT PERTAINS TO HOW THE EQUIPMENT IS USED AND MAINTAINED.

Please keep this manual for frequent reference and to pass on to new users or owners.

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SAFETY PRECAUTIONS

PLEASE FOLLOW ALL SAFETY PRECAUTIONS OUTLINED HEREIN. ANY HARM TO THE ANIMAL OR INJURY TO THE OPERATOR WHICH OCCURS DUE TO HOW THE PRODUCT IS OPERATED, OR RESULTING FROM A LACK OF SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE OPERATOR.

All farm machinery and equipment is potentially dangerous. Careless use of any Arrowquip livestock equipment may cause injury or damage to persons, cattle, or property. Arrowquip has taken precautions in the design and manufacturing of this product to ensure that it is safe and user-friendly. Therefore, user must assume all responsibility and risk associated with the possession and use of the equipment.

SAFETY GUARANTEE

Arrowquip is committed to creating safe cattle management experiences. With this commitment to safety, in the event any purchaser of Arrowquip equipment is physically injured while operating the equipment AND requires medical treatment, Arrowquip will provide a full refund of the equipment purchase price and the purchaser will be allowed to keep the equipment. Equipment must be warranty-registered, and the purchaser must read and practice the contents and recommended maintenance and procedures outlined herein to be eligible.

Arrowquip also commits to repair or replace any part of the equipment that is defective, malfunctions or otherwise falls under normal use and inside the equipment's warranty terms. If the equipment requires replacement, it shall be replaced with an identical model or a newer model of the equipment. For further details, visit arrowquip.com/promise.

Ensure the operator understands the contents of this manual before using the equipment.



WARNING:

Read next page before operation.

1. **DO NOT** wear loose-fitted clothing.
2. Ensure the equipment is on a firm, level, dry surface that is free of rocks and other trip hazards.
3. **DO NOT ALLOW CHILDREN UNDER THE AGE OF 18 NEAR AN OPERATING MACHINE.**
4. Follow safe cattle handling procedures in other areas of the yard so that cattle are more docile.
5. **DO NOT** make any modifications to Arrowquip equipment. Non-factory modifications to the equipment can reduce the safety for the operator and livestock, and void warranty.
6. **DO NOT ALLOW CHILDREN UNDER THE AGE OF 18 TO USE HYDRAULIC EQUIPMENT.**
7. The Heeler 87 C-Series is not equipped with trailer brakes or suspension. Use caution when towing.
8. It is recommended to tow the Heeler 87 C-Series with a truck that is at least one-ton or heavier.

RISK ASSESSMENT

1. Ensure all users of the equipment have been trained on and comply with safe working procedures.
2. Make sure that your equipment has been cleared of **ALL** livestock after use.
3. Some chemicals and medicines can damage powder coat. Take all precautions and wash after use.
4. Maximum towing speed 40km/25mph.
5. Maintain tire pressure of 80 psi.
6. Check wheel lug nuts after 10, 25, 50 miles of use, ensure torqued to 120 ft. lbs.
7. This applies to first time use and wheel changes.
 - a. This applies to first time use and wheel changes.

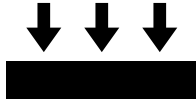
PREPARING THE PORTABLE CORRAL FOR USE



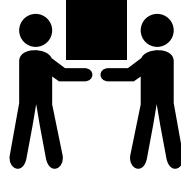
WARNING:

Follow all instructions outlined herein carefully to ensure operator safety when setting up for use or transport.

BEFORE INSTALLING



LEVEL GROUND



HEAVY

- Partner Lift

OPERATING THE HYDRAULIC JACKS

Refer to this guide to ensure safe operation of the Hydraulic Jacks.

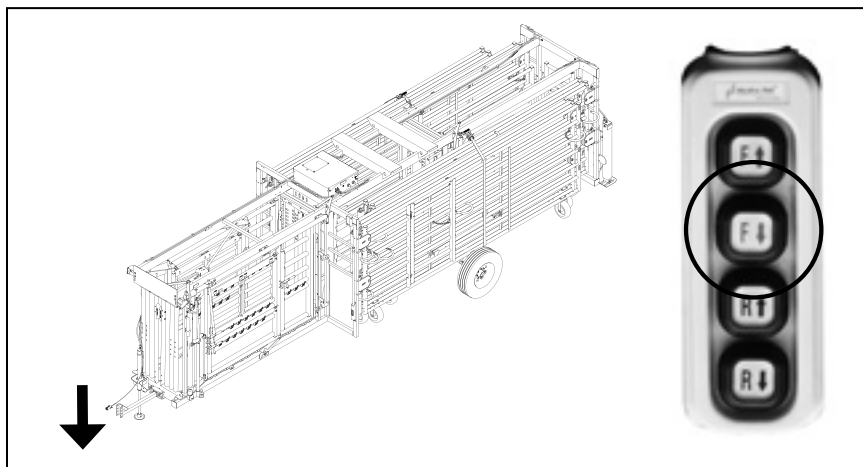
1. The control pendant has four buttons marked with **F UP** and **F DOWN** for the front jacks, and **R UP** and **R DOWN** for the rear jacks.
2. **NOTE:**
 - a. **DOWN** means you are engaging the jacks.
 - b. **UP** means you are retracting the jacks.
3. When the Portable Corral is not attached to a vehicle, lower to the ground for safety.
4. Only lift the Portable Corral from firm, level ground.
5. Never raise the Portable Corral more than is necessary to put the tires on.

If you have any questions, please contact Client Care at 1-877-275-6075 for assistance.

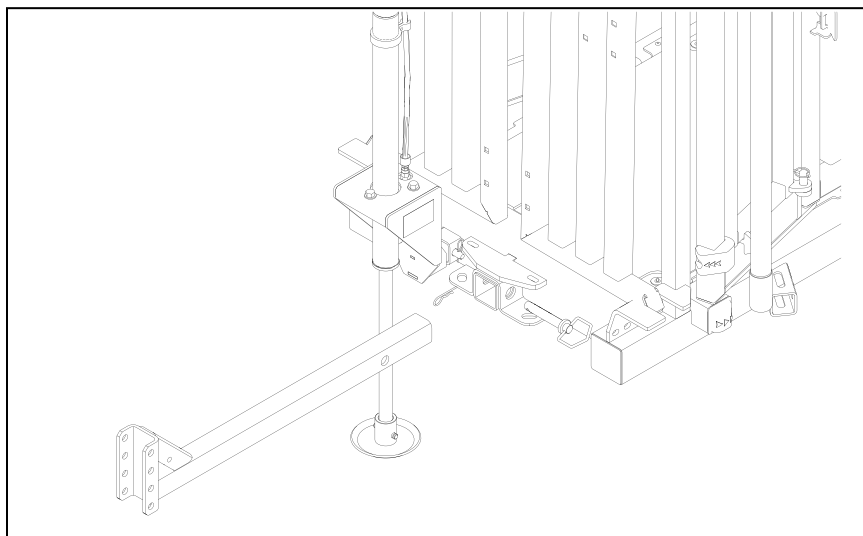


LOWERING THE PORTABLE CORRAL FOR USE

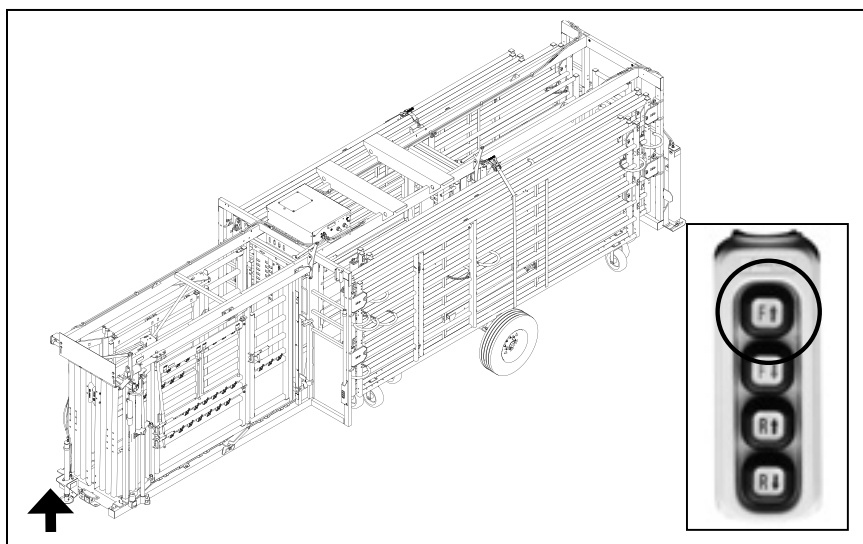
1. Back the Portable Corral into your desired location
2. Disconnect safety chains and trailer wiring harness from the vehicle.
3. Remove the pin and R clip from the bumper hitch.
4. Extend the front jack to support the unit using the **DOWN** button until the bumper hitch is disconnected from the vehicle.



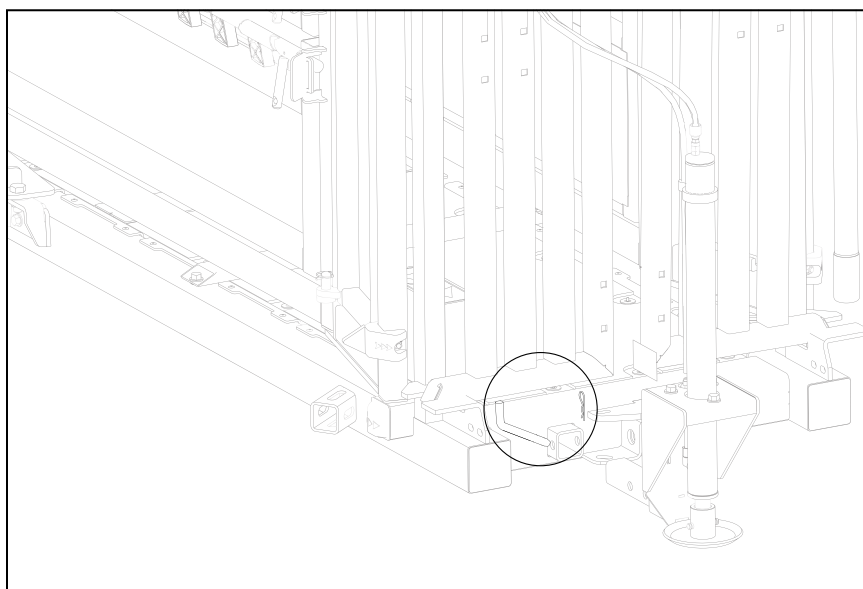
5. Carefully move the vehicle so it is a safe distance away from the Portable Corral.
6. Remove the hitch and set safely aside.



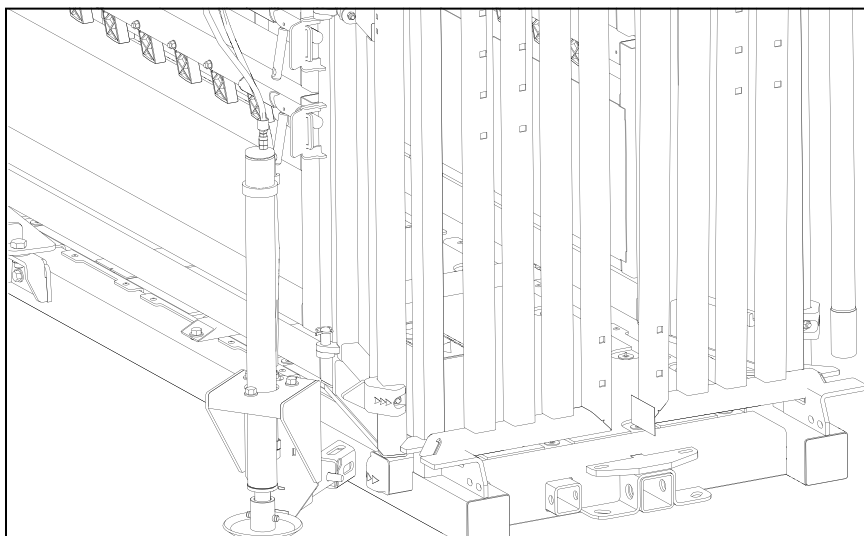
7. Retract the front jack using the UP button until the front of the Q-Catch 87 C-Series rests on the ground.



8. Remove the jack, pin and R clip from the unit.

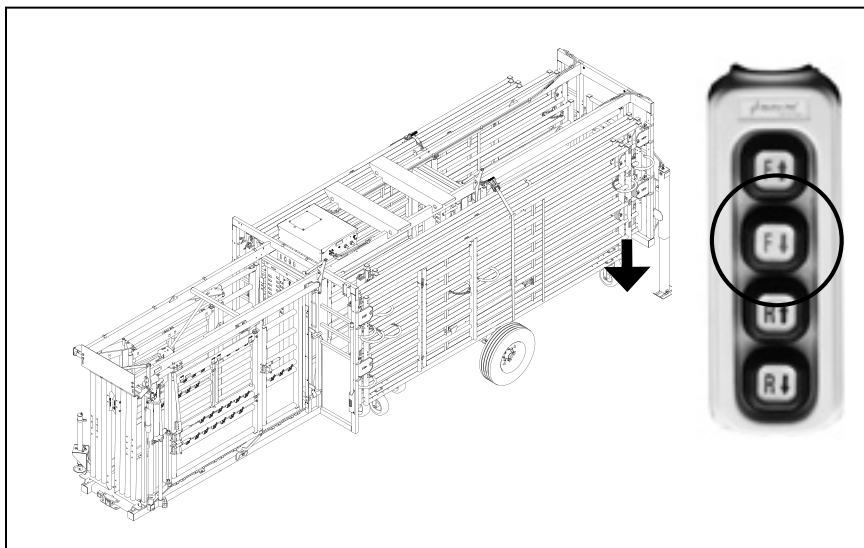


9. Insert jack into the storage bracket on the side of the unit and secure with pin and R clip.

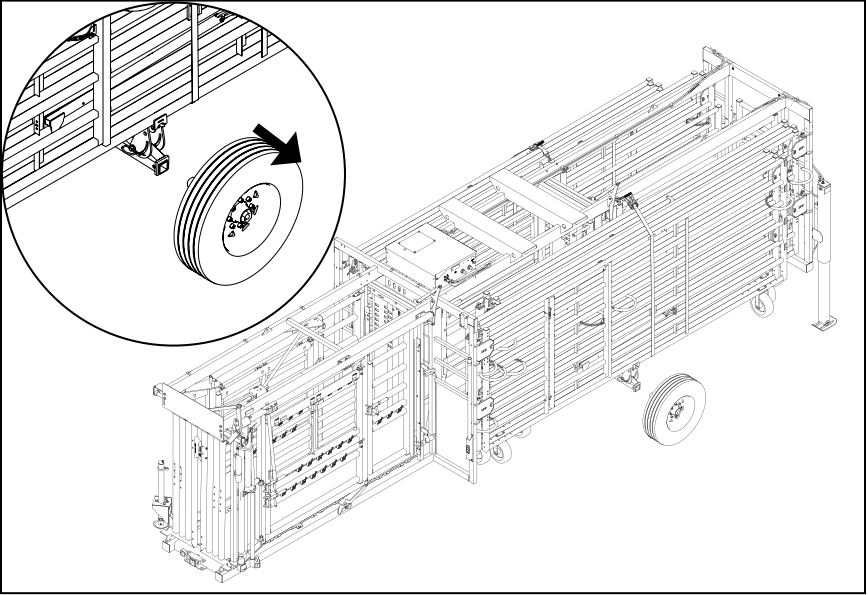


FRONT OF THE PORTABLE CORRAL MUST BE RESTING ON THE GROUND BEFORE PROCEEDING.

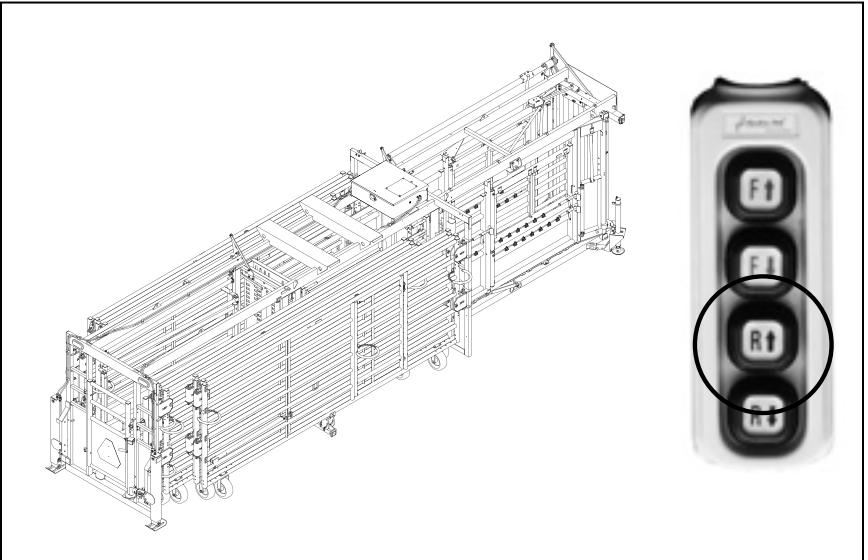
10. Extend rear jacks using **DOWN** button until tires are 1" off the ground or just enough to remove the tires.



11. Remove the tires and place in storage location.



12. Retract rear jacks using the **UP** button. Continue to press and hold the UP button until both rear jacks stop retracting and are fully retracted. This will keep the jacks in sync.





ENTIRE PORTABLE CORRAL MUST BE RESTING ON THE GROUND BEFORE PROCEEDING.

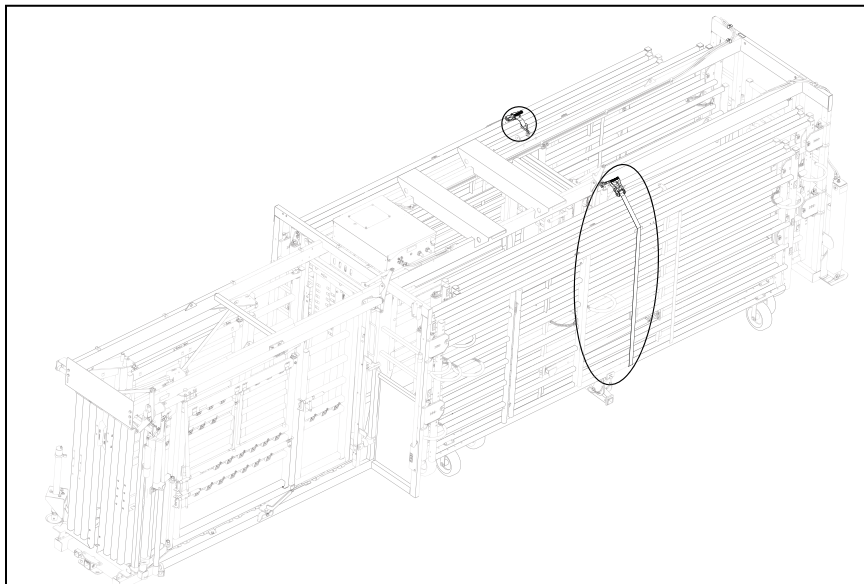


WARNING:

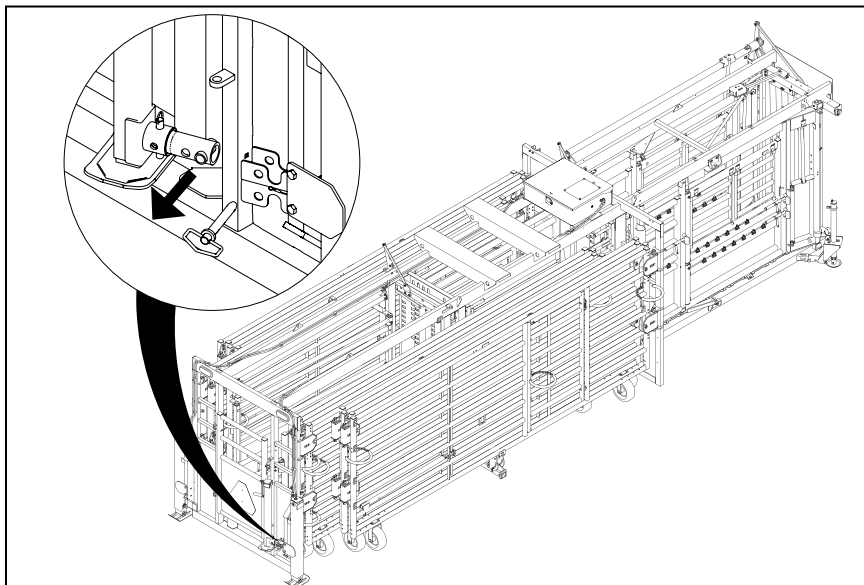
Both jacks should always be at the same height to keep the unit balanced.

SETTING UP CORRAL PENS:

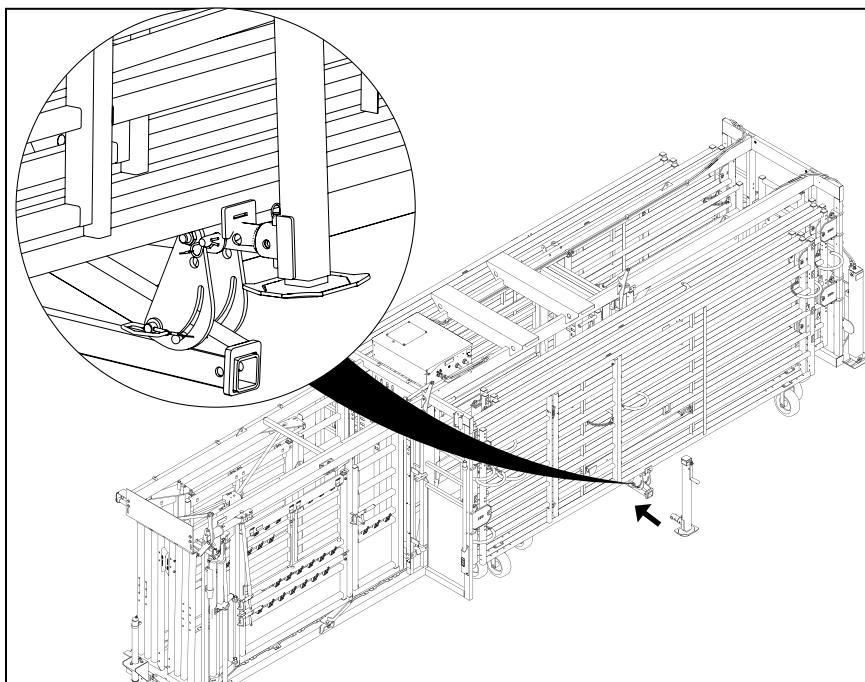
1. Once the entire Heeler 87 C-Series is safely on the ground, remove both ratchet straps from the corral panel sets on the main frame..



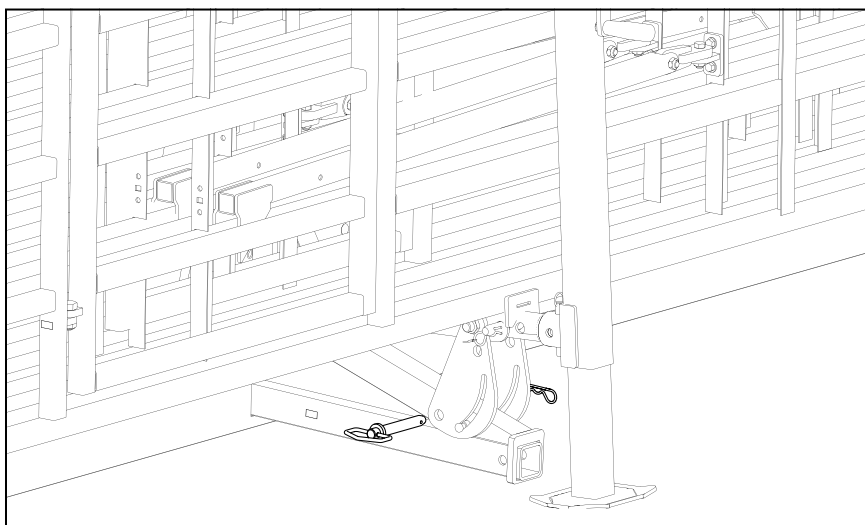
2. Remove manual jack and attached adapter, pin and R clip from the back of the unit.



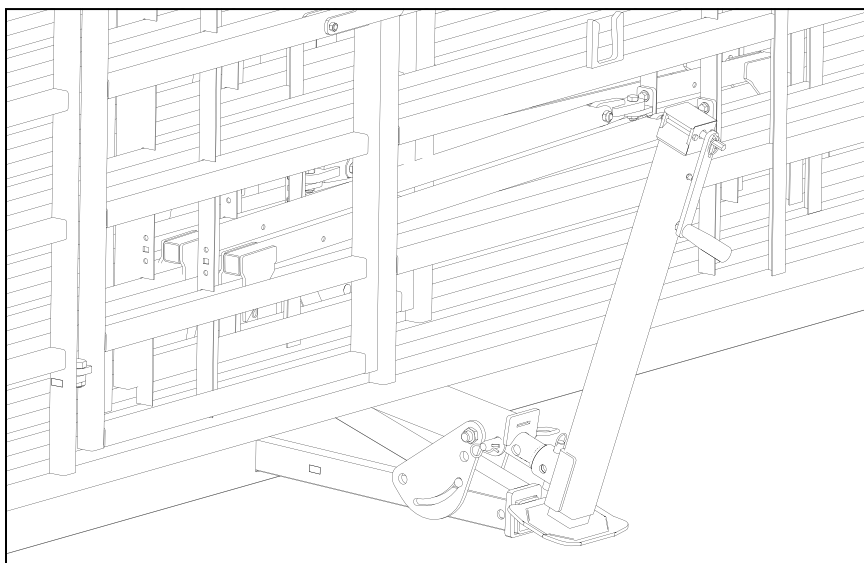
3. Starting on one side of the unit, insert the adapter and manual jack into the panel shelf adapter and secure with pin and R clip.



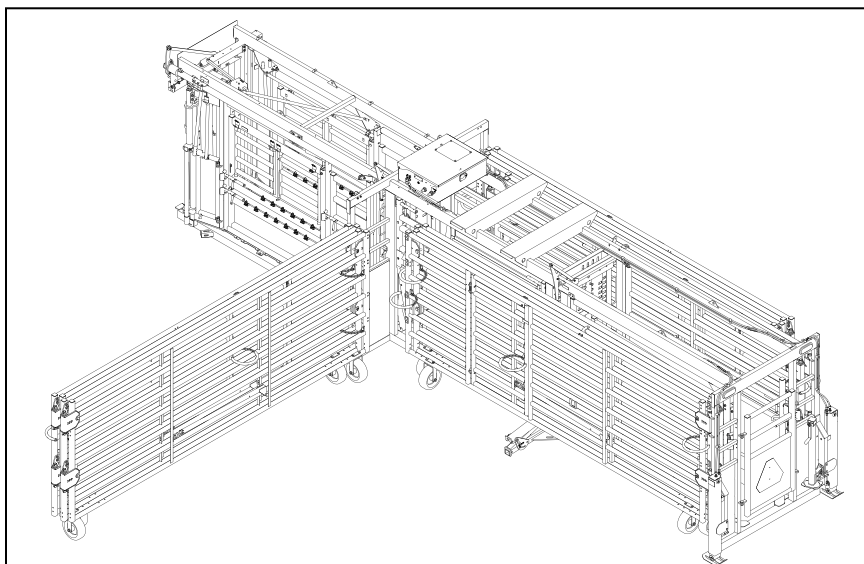
4. Crank the jack handle to extend the jack, lifting the panel shelf, until the bottom panel shelf pin and R clip are loose enough to be removed.



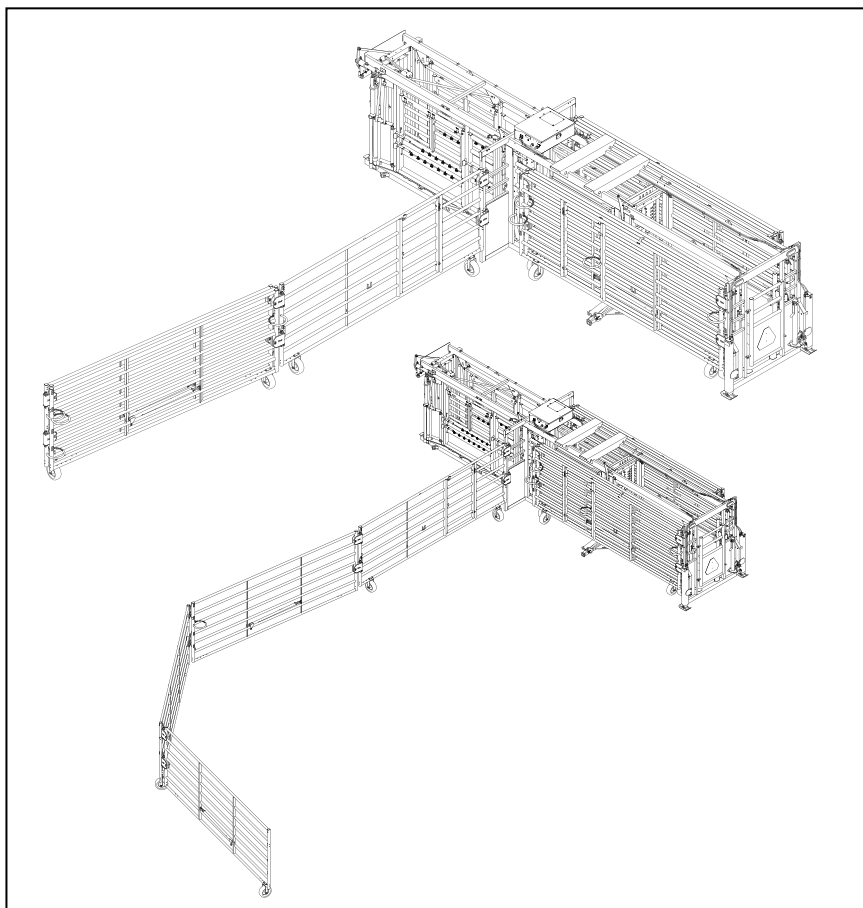
5. Crank the jack handle to retract the jack until the jack and adapter and pin and R clip can be removed from the panel shelf adapter. Replace bottom shelf pin and R clip.



6. Repeat steps 3 – 5 on the other side of the unit.
7. Reinstall the manual jack and adapter and pin and R clip at the back of the unit.
8. Swing the first set of corral panels out, about 90-degrees from the main frame.

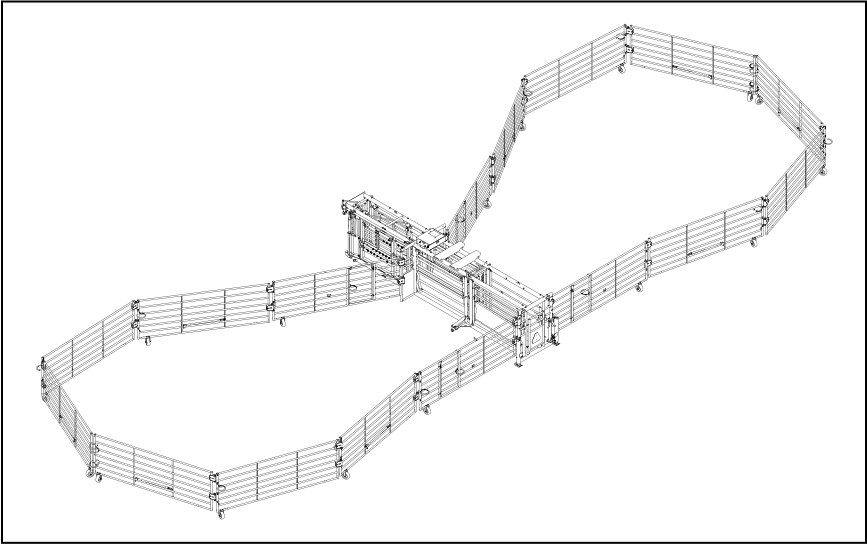


9. Unfold and swing the second, third, and fourth corral panels into the desired position.

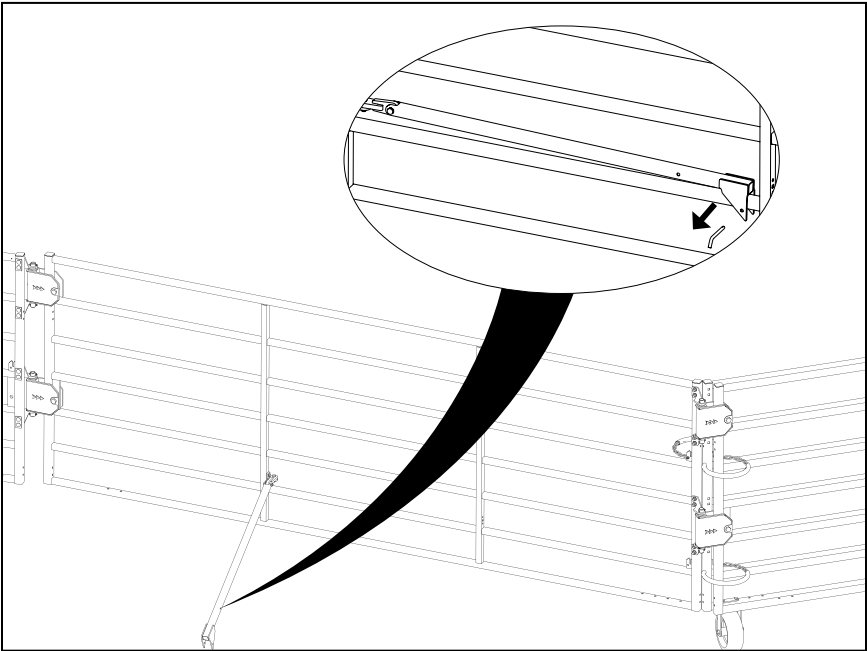


NOTE: You do not need to unfold all four panels. You may unfold and use only two or three panels if you wish.

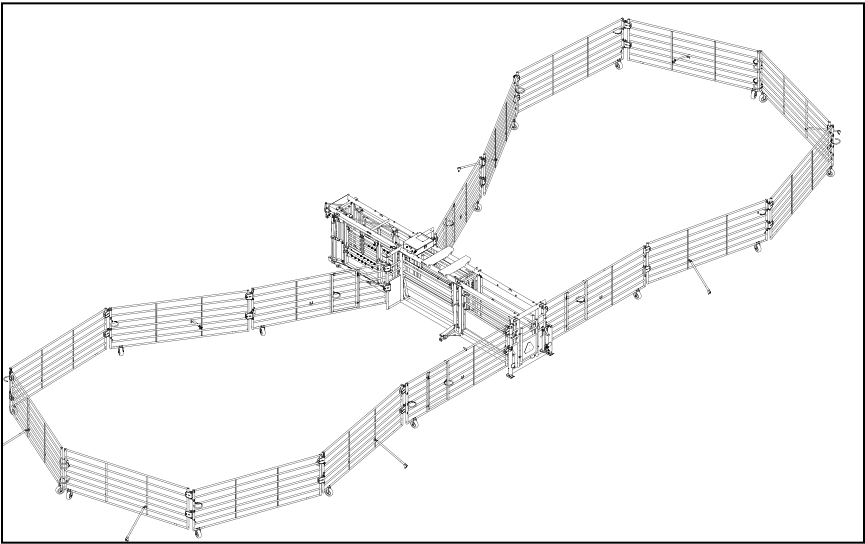
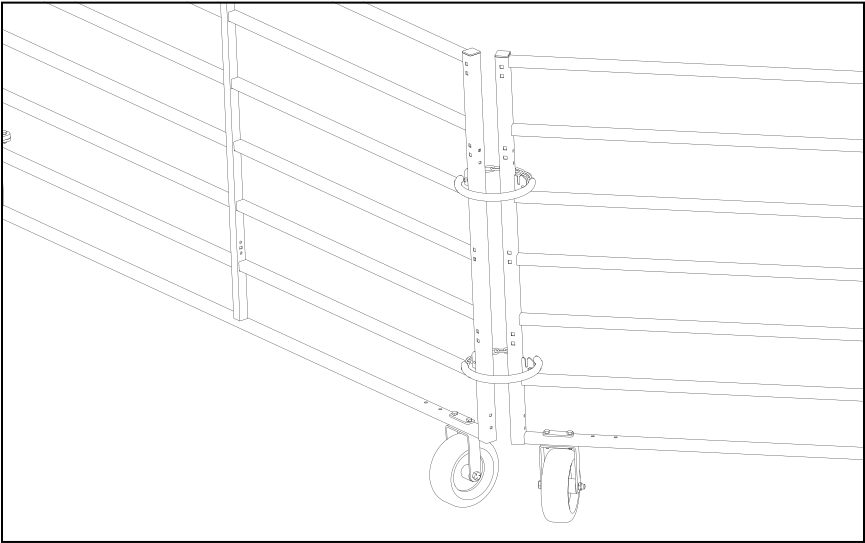
10. Repeat Steps 7-8 with all four sets of corral panels, two sets on each side of the main frame.



11. Unfold and install the eight anchor bars from the corral panels for added support if desired, two anchor bars on each set of panels.



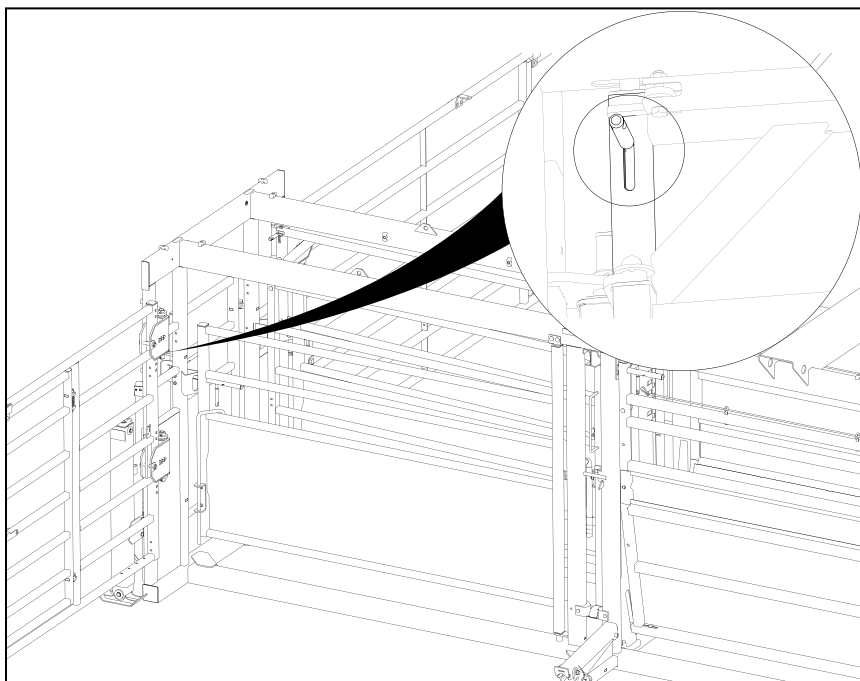
12. Once all corral panels are unfolded and anchor bars are in place, chain the outer corral panels together to close the pens in the desired position.



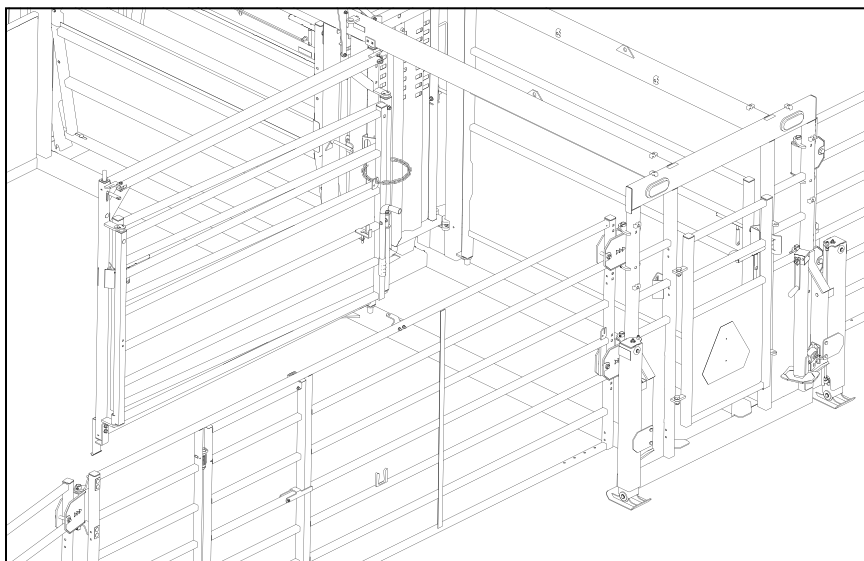
SETTING UP THE BUD BOX

NOTE: Bud Box can be configured on either side of the Heeler 87C.

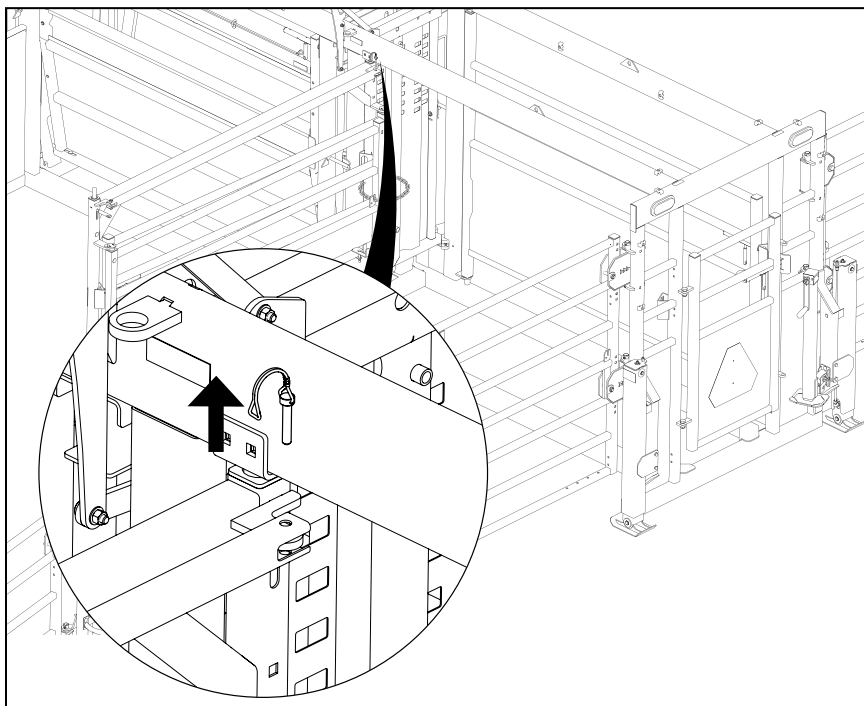
1. Start at the back of the unit where your bud box is located.
2. Pull down the spring-loaded pin at the top of the bud box frame to release it from the main frame of the unit.



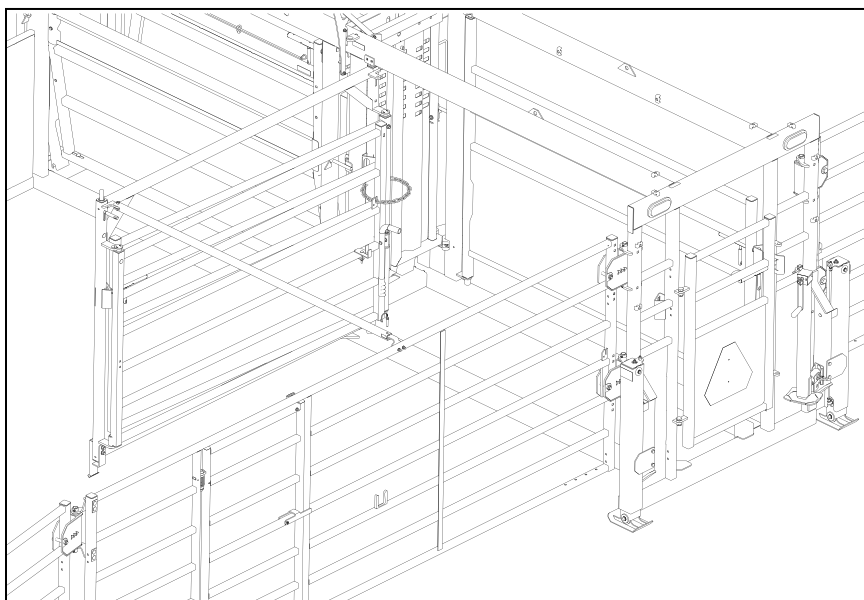
3. Swing the bud box out, about 90-degrees from the main frame.



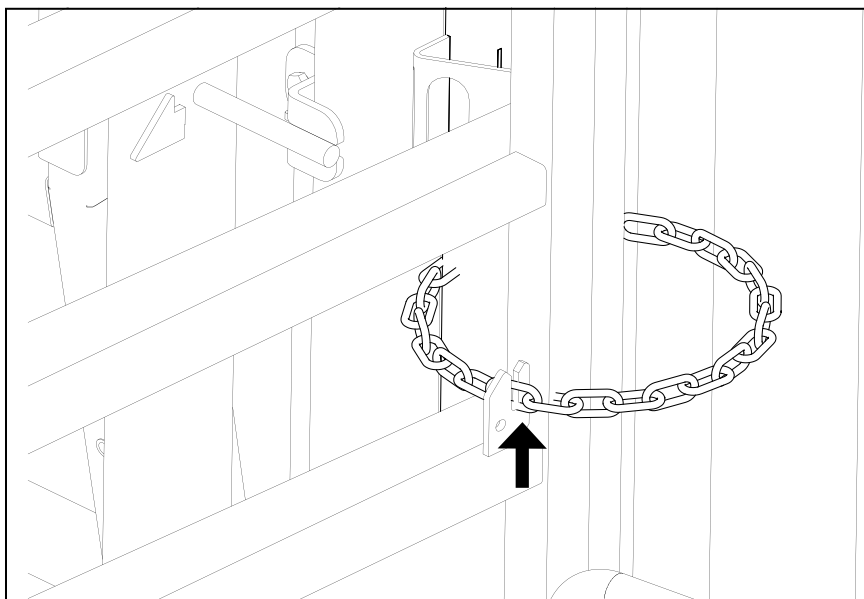
4. Remove the pin located on the bud box connector bar to release it from the bud box frame.



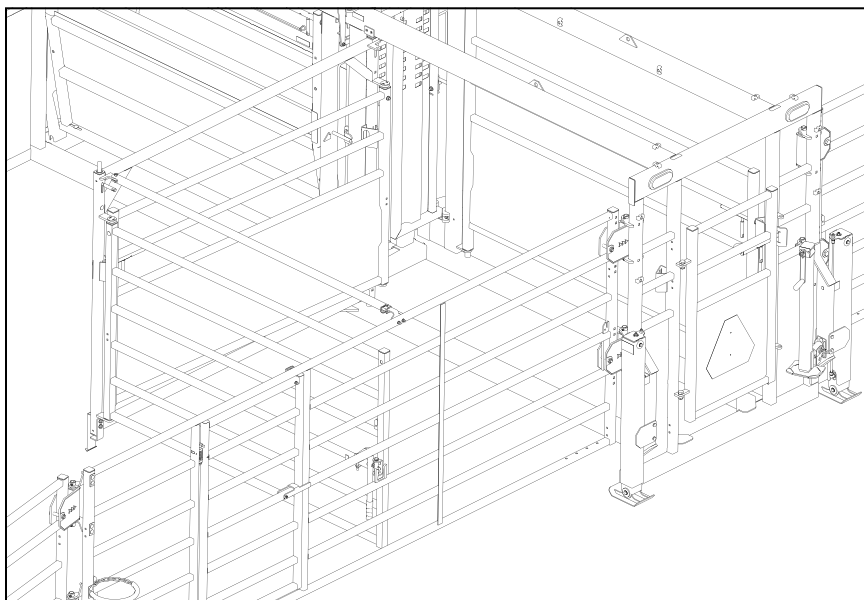
5. Swing the connector bar out from the bud box frame, about 90-degrees and secure the connector bar by pinning it to the bracket located on the exterior corral panel.



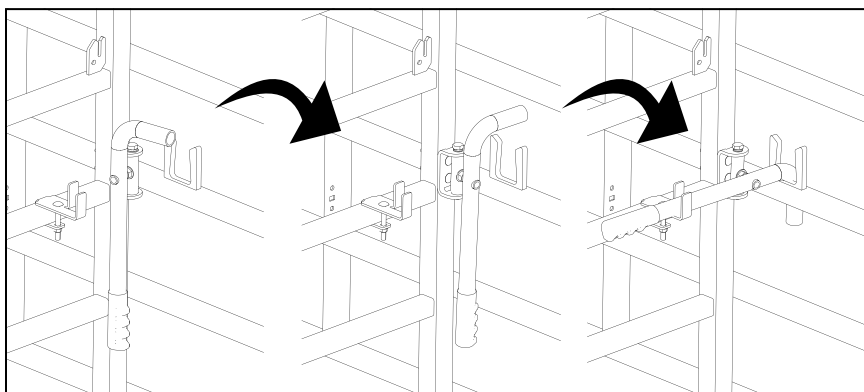
6. Unhook the bud box gate chain to release it from the bud box frame.



7. Swing the gate into place, directly under the connector bar.



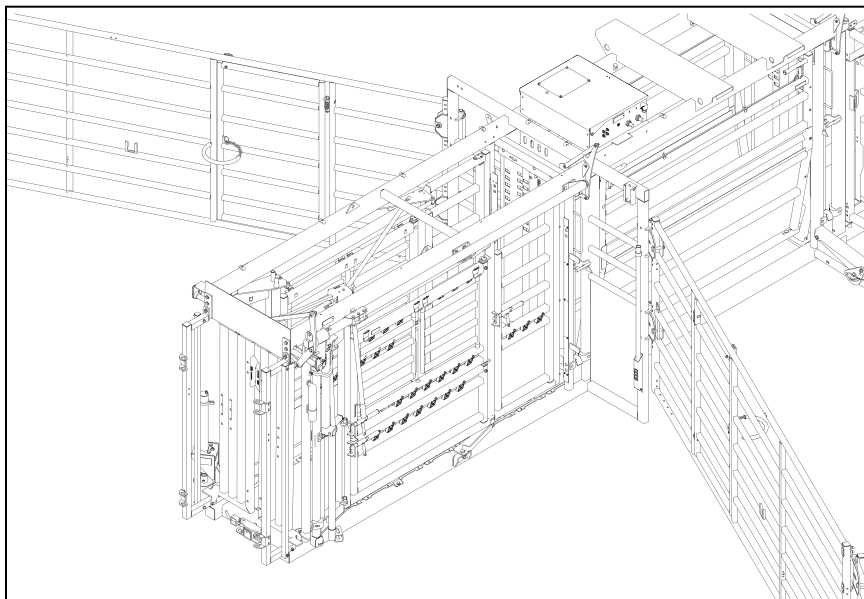
8. To secure the gate in place, lift the yellow gate handle and insert it between the brackets located on the exterior corral panel and the bracket on the gate. For added security, secure the gate to the exterior corral panel using the attached gate chain.



READY FOR USE

FOR USE IN CONJUNCTION WITH OTHER CATTLE HANDLING EQUIPMENT (PANELS, LOADING CHUTE, ETC.)

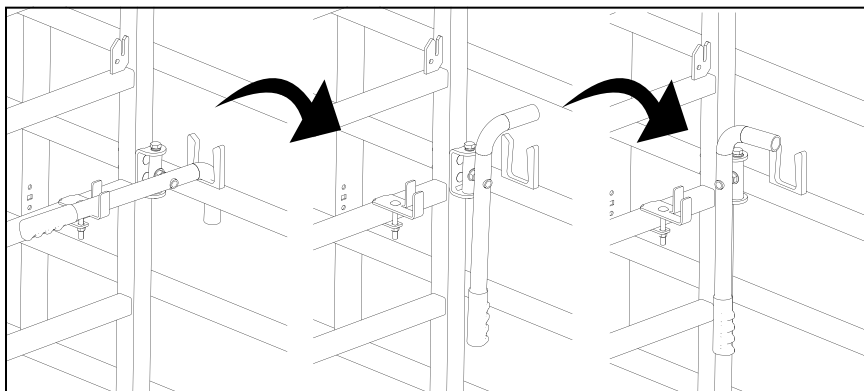
It is strongly recommended to use a Lug Post Kit when adding panels or additional equipment such as a loading chute to the front of the Heeler 87 C-Series. To order a Lug Post Kit or additional equipment, please contact Arrowquip at 1-866-383-7827 or by email at sales@arrowquip.com.



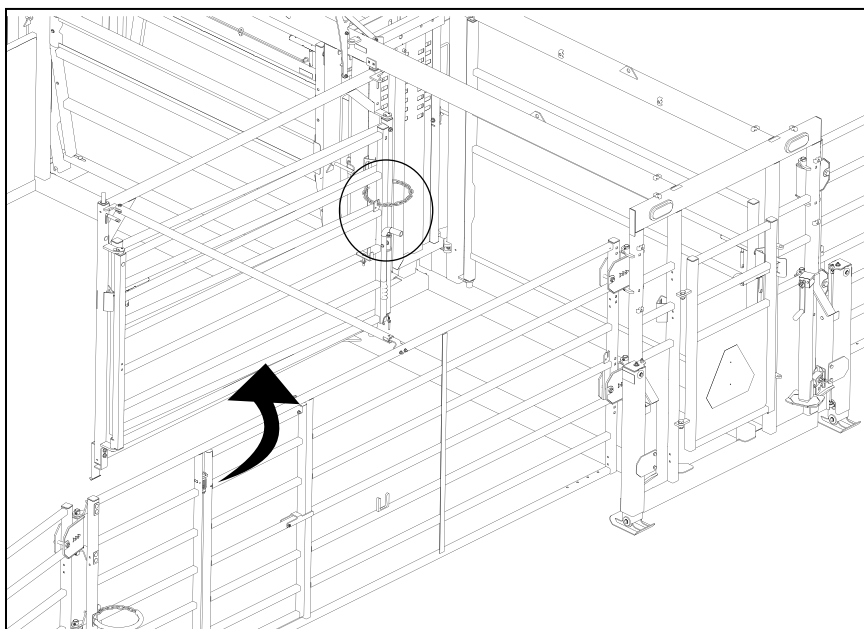
PREPARING THE PORTABLE CORRAL FOR TRANSPORT

COLLAPSING THE BUD BOX

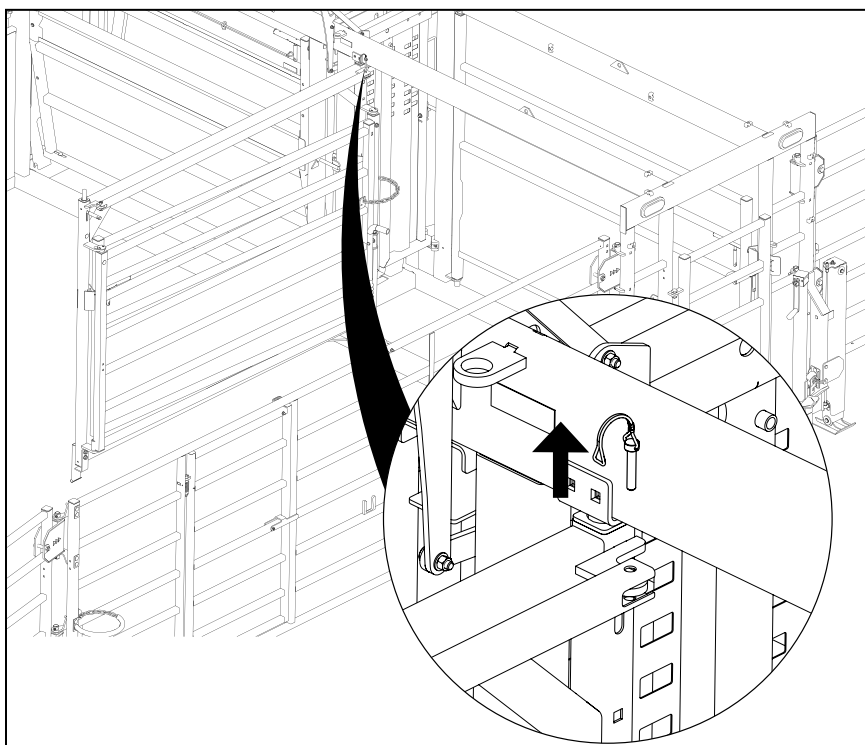
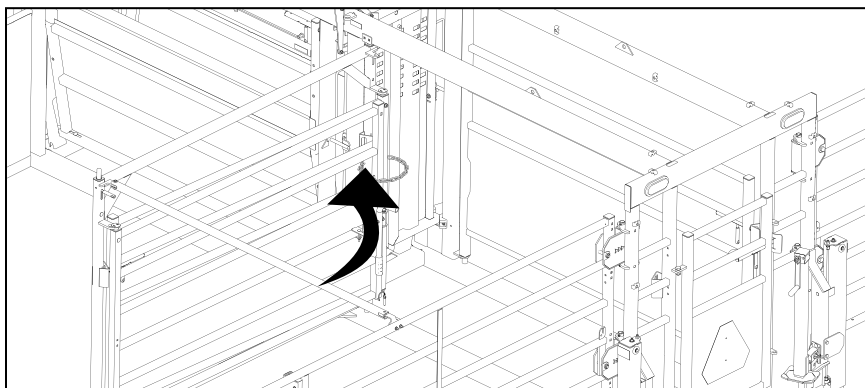
1. Unhook the gate chain from the exterior panel.
2. Lift the yellow gate handle to release it from the bracket on the gate and the brackets on the exterior corral panel.



3. Swing the gate back into the bud box frame and secure with the gate chain.

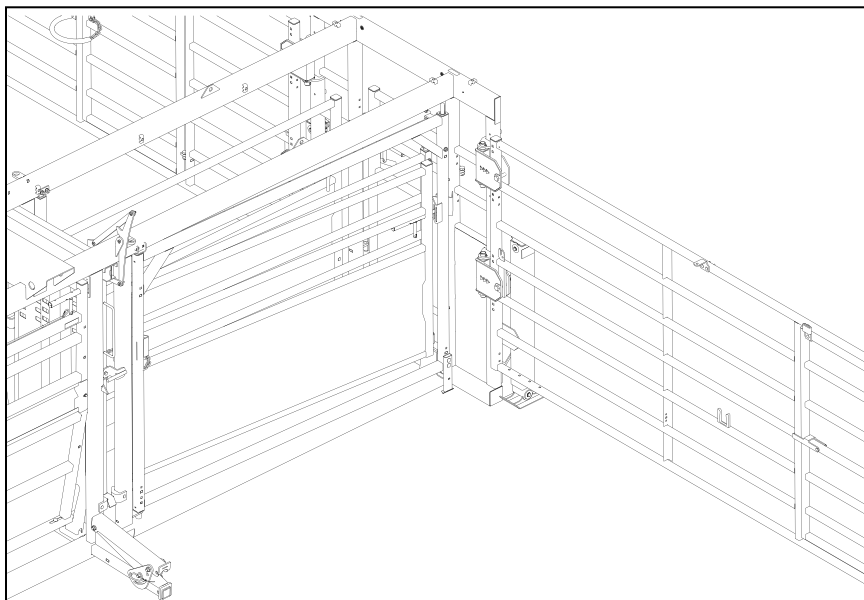


4. Unpin the connector bar from the bracket located on the exterior corral panel.

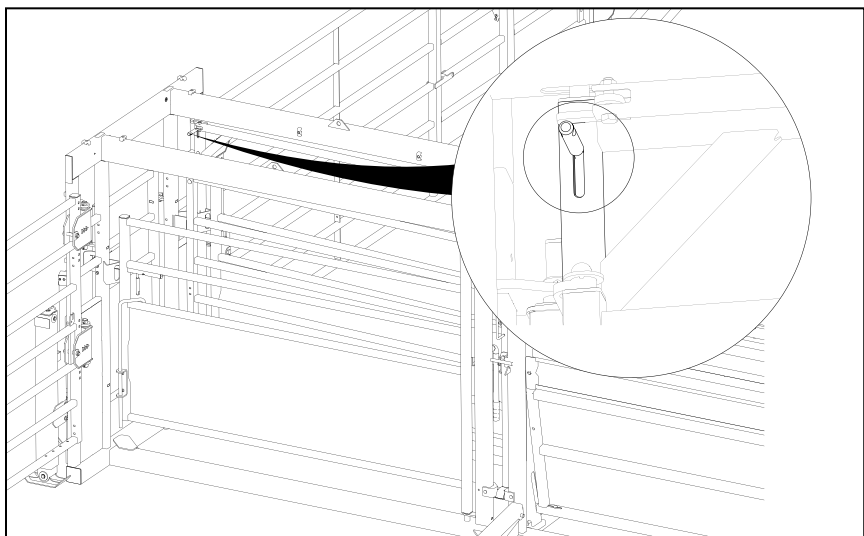


5. Swing the connector bar back into the bud box frame and secure with the pin.

6. Swing the entire bud box frame back into the main frame of the unit.

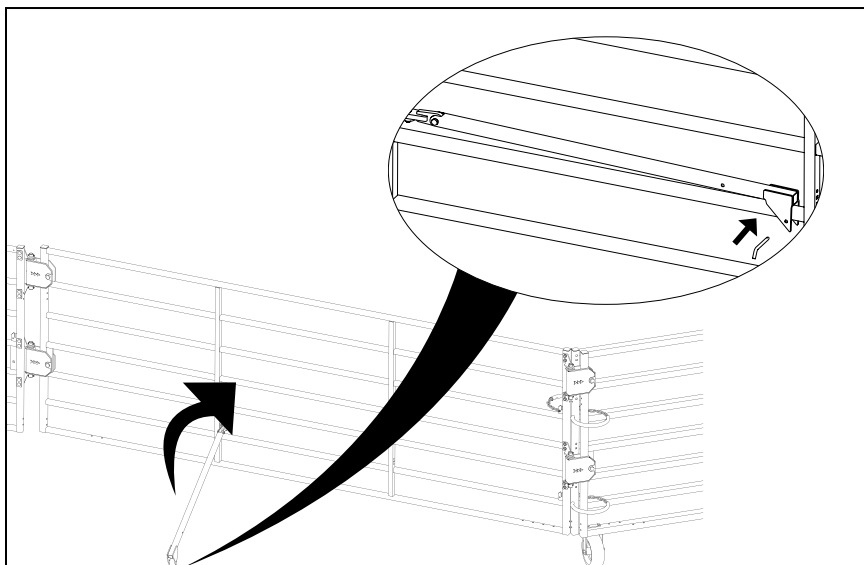


7. Secure in place by pulling down the spring-loaded pin at the top of the bud box frame and releasing it to its place.

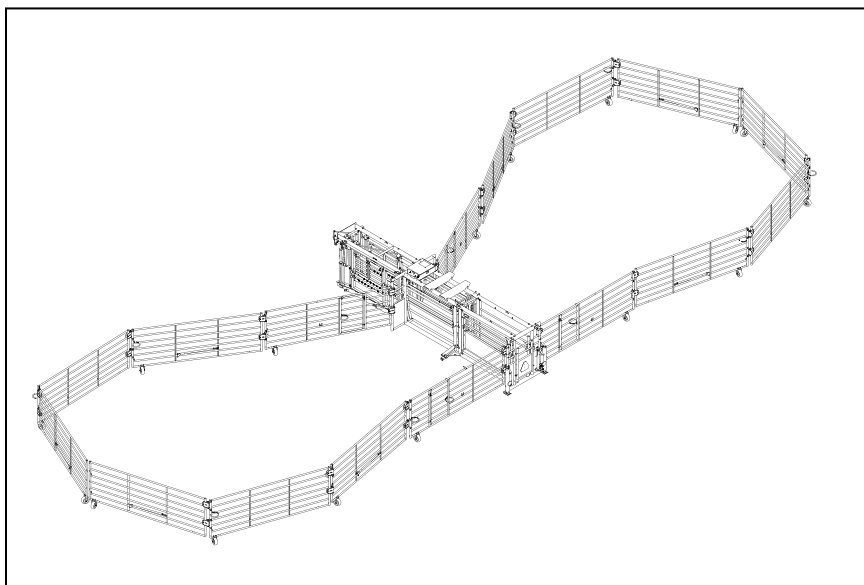


COLLAPSING THE CORRAL

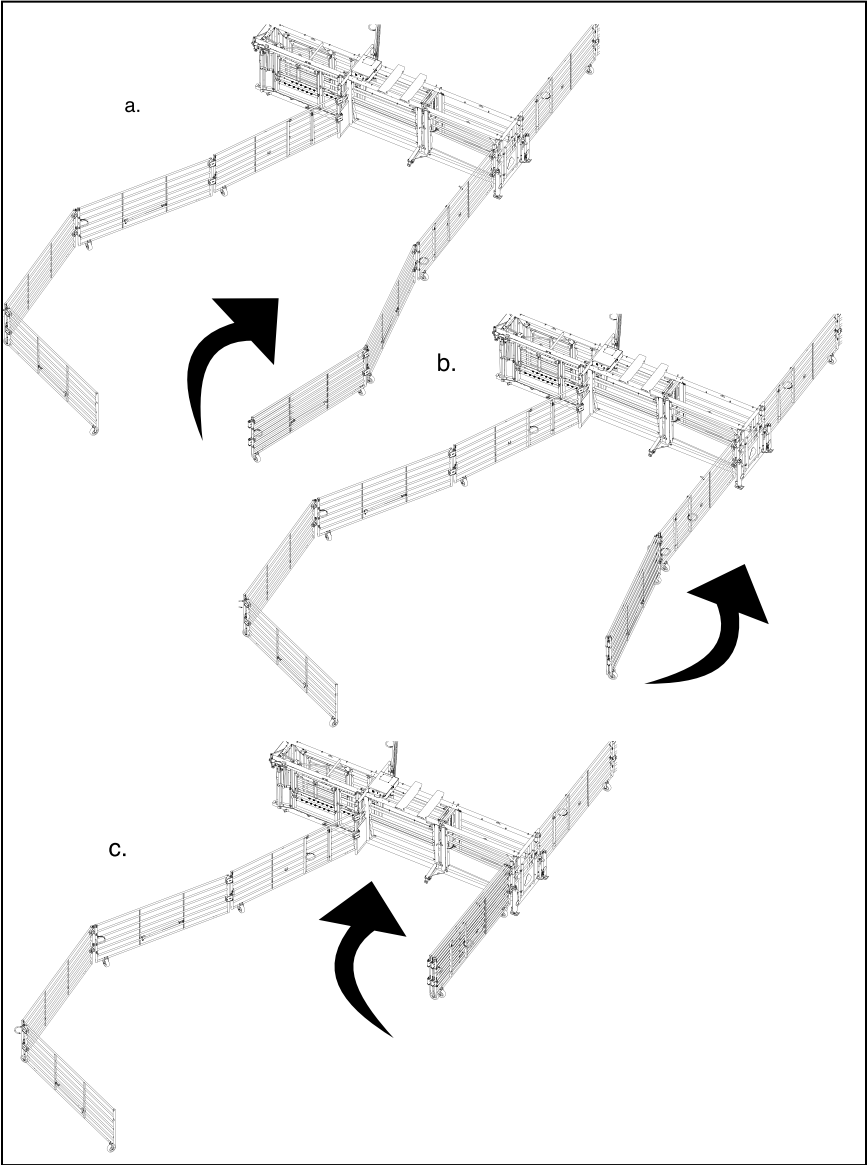
1. Fold each of the eight anchor bars back into the corral panel it is attached to and pin it in place.



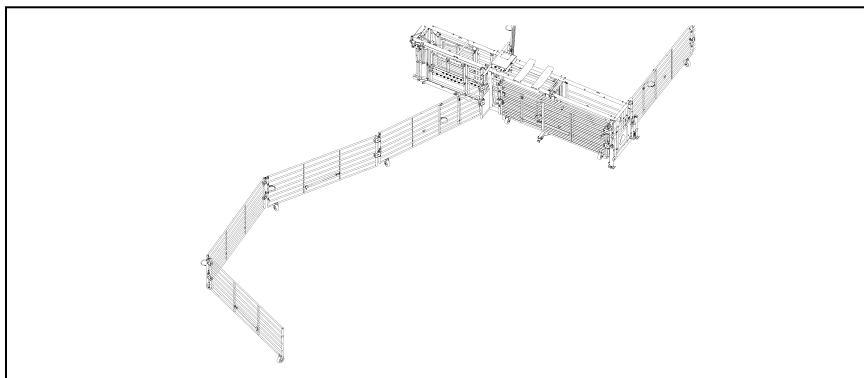
2. Disconnect the chains on the outer corral panels.
3. Start on one side of the Heeler 87 C-Series with the rear set of corral panels.



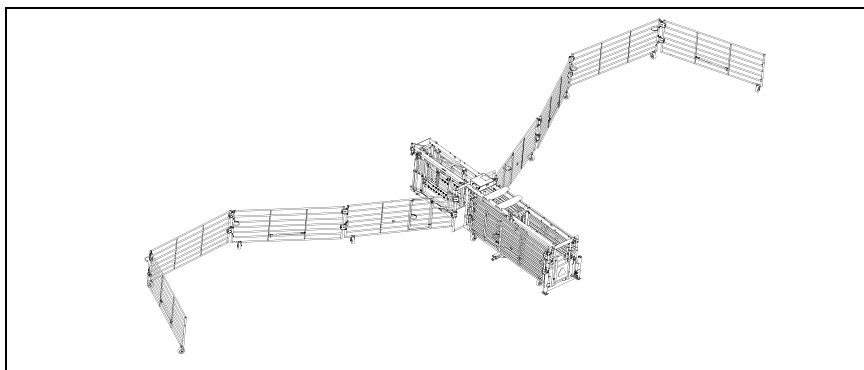
4. If all panels are unfolded, fold the fourth, third and second corral panels into the first corral panel, alternating the direction you fold each panel. Please refer to the images below.



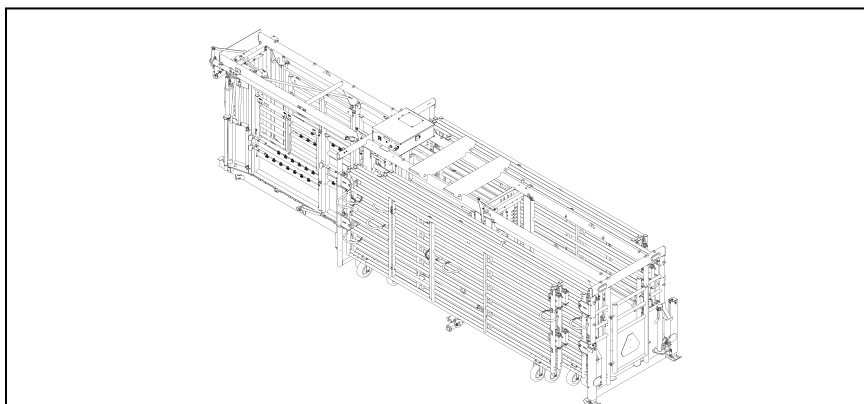
5. Swing the set of four corral panels into the main frame.



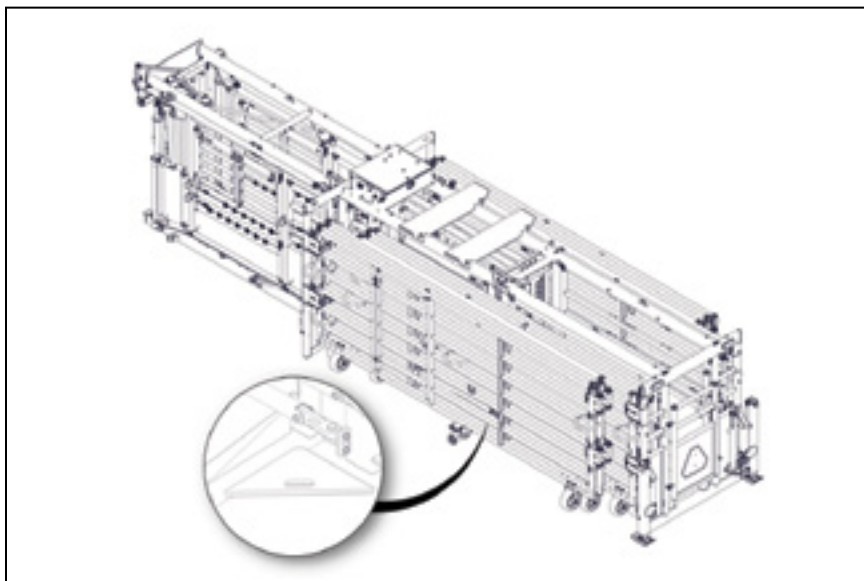
6. Repeat steps 4-5 for the other rear corral panel set.



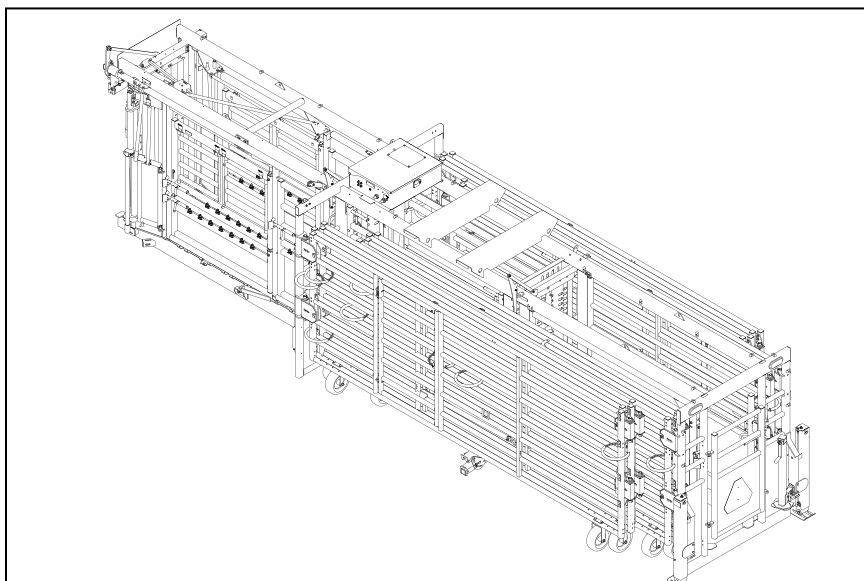
7. Repeat steps 4-5 for the front corral panel sets until the Heeler 87 C-Series is completely folded.



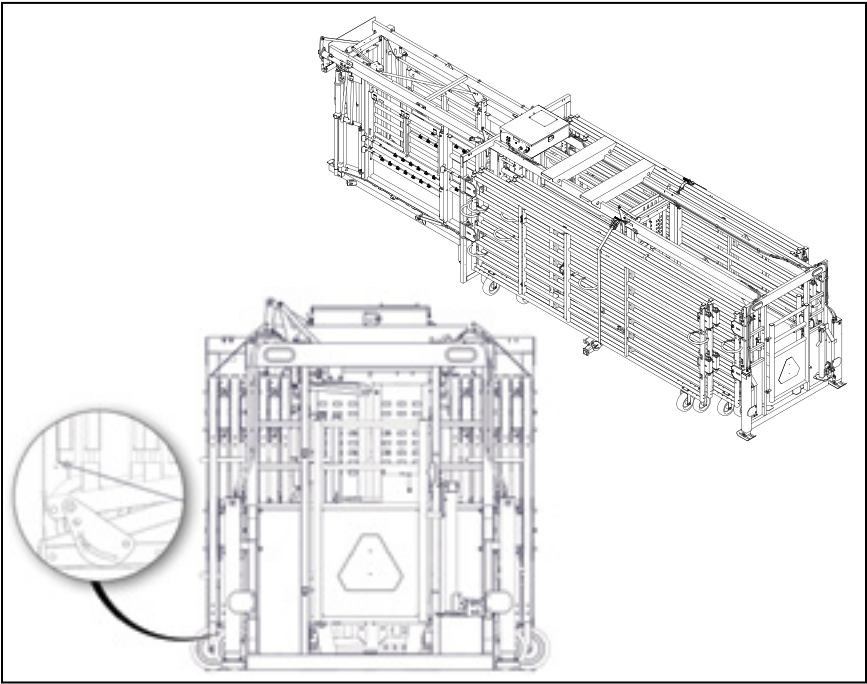
8. Starting on one side of the unit, hook one end of a ratchet strap into the bracket next to the panel shelf.



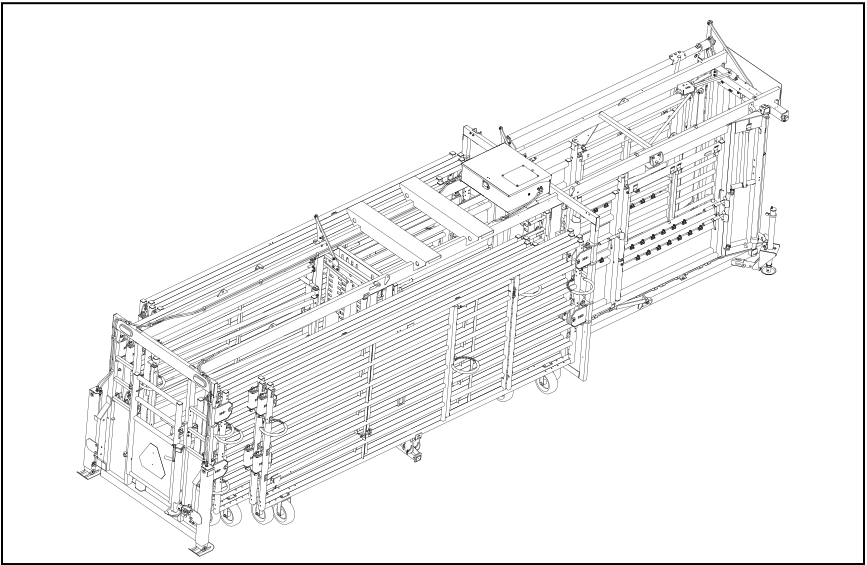
9. Hook the other end of the ratchet strap to the bracket located on the main frame of the unit.



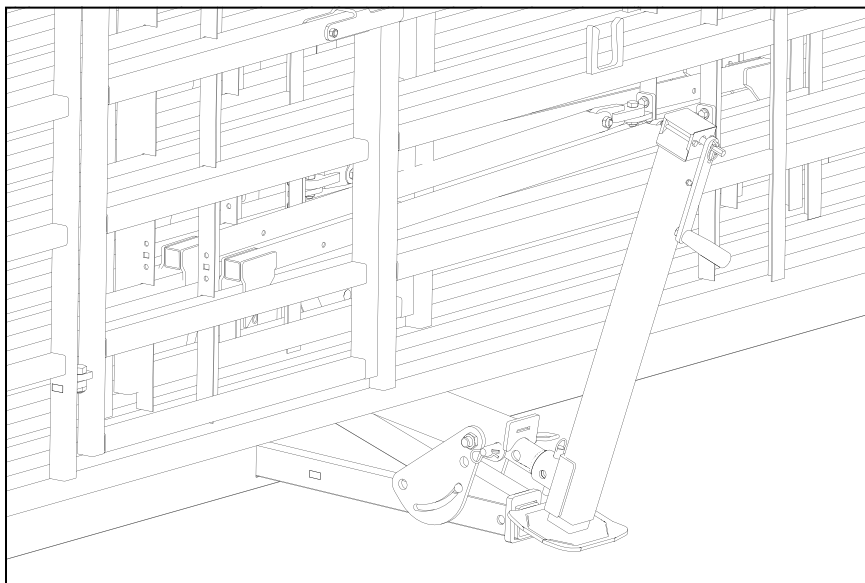
10. Tighten the ratchet strap to secure the corral panels tight to the unit, until they are inside of the outer edge of the panel shelf.



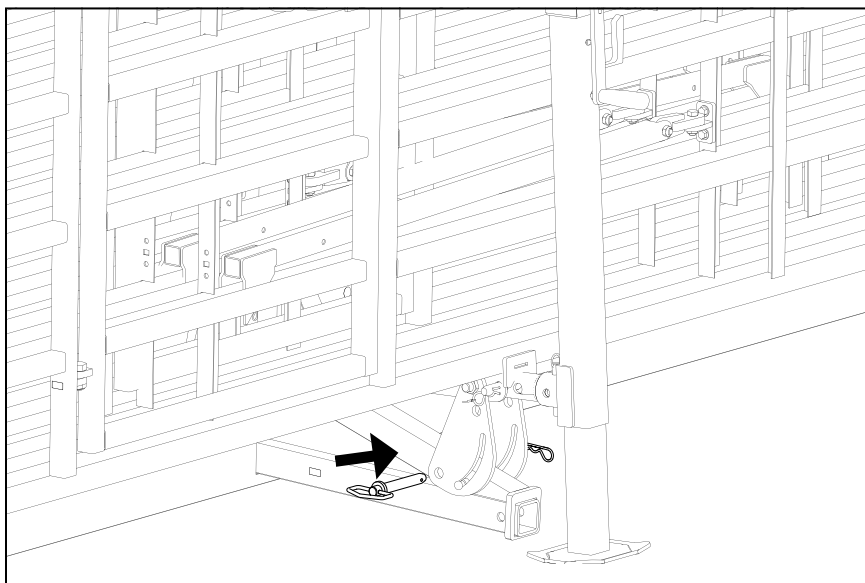
11. Remove manual jack and adapter and pin and R clip from the back of the unit.



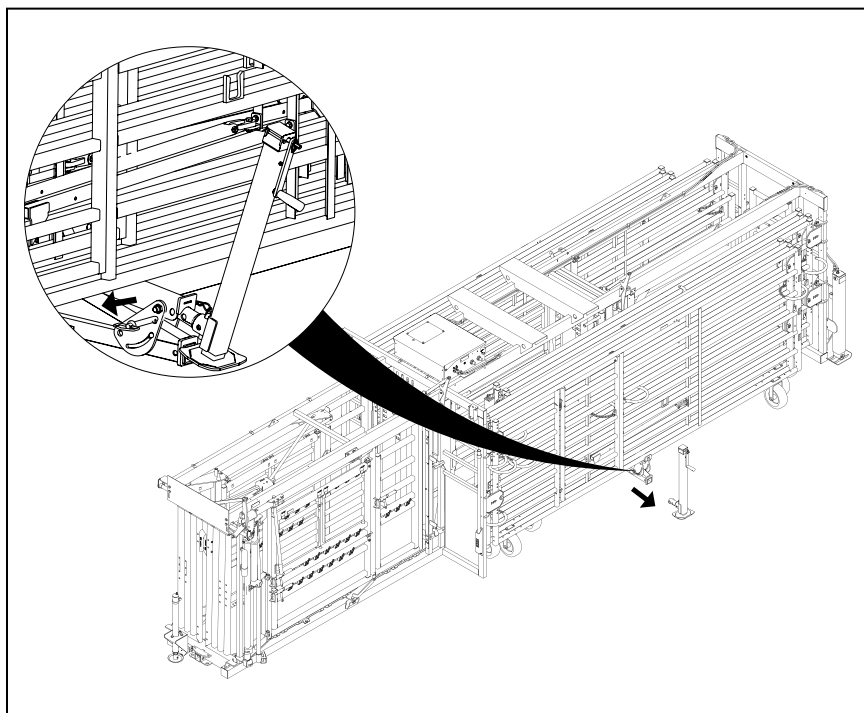
12. Starting on one side of the unit, insert the adapter and manual jack into the panel shelf adapter and secure with pin and R clip.



13. Crank the jack handle to extend the jack, lifting the panel shelf, until the panel shelf pin and R clip can be reinstalled.



14. Crank the jack handle to retract the jack until the jack and adapter and pin and R clip can be removed from the panel shelf adapter.



15. Repeat steps 12-14 on the other side of the unit.

16. Reinstall the manual jack and adapter and pin and R clip at the back of the unit.

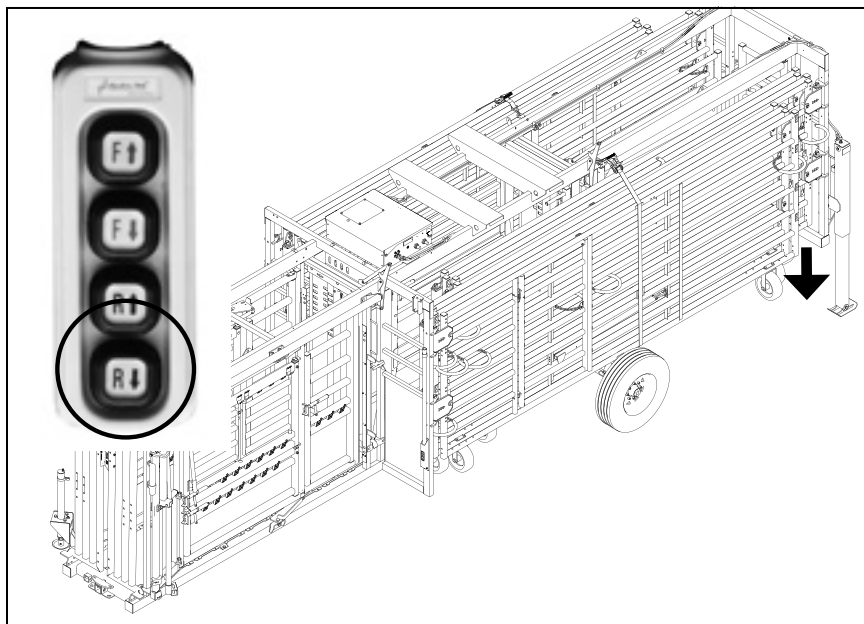
STOP

ENSURE ALL STRAPS, PINS, AND SUPPORTS ARE PROPERLY PLACED AND SECURED BEFORE ATTACHING THE HEELER 87 C-SERIES TO YOUR VEHICLE FOR TOWING.

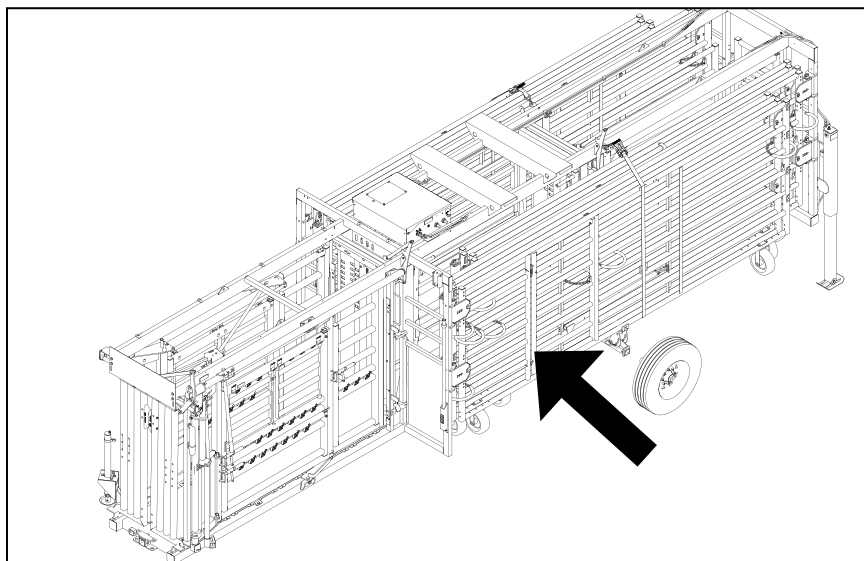
READY FOR USE

ATTACHING THE CORRAL TO YOUR VEHICLE

1. Extend rear jacks using the **R DOWN** button until the Heeler 87 C-Series frame is raised high enough to install tires.



2. Install tires.

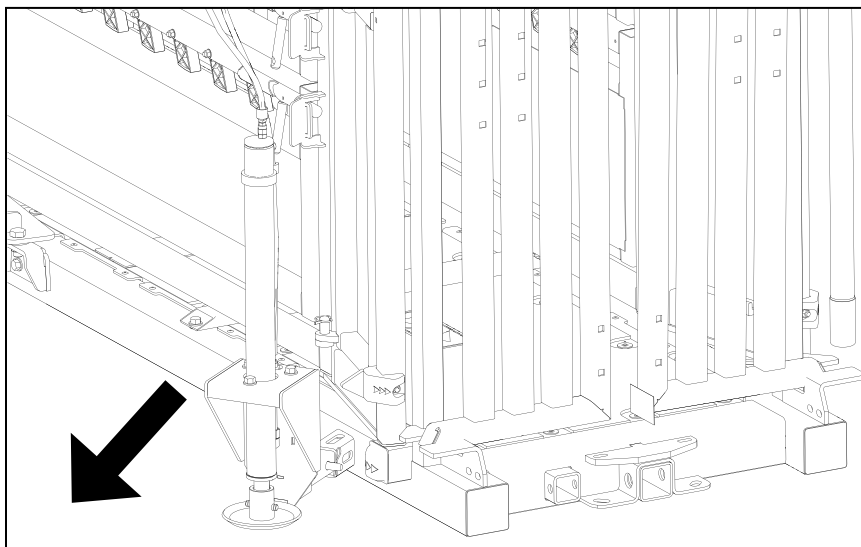


3. Retract rear jacks using the **R UP** button until both jacks are fully retracted.

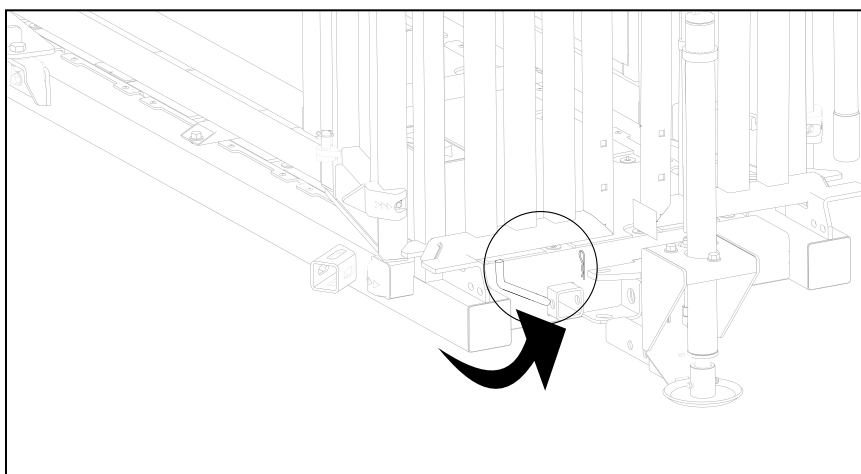


BOTH REAR JACKS MUST BE COMPLETELY RETRACTED BEFORE PROCEEDING.

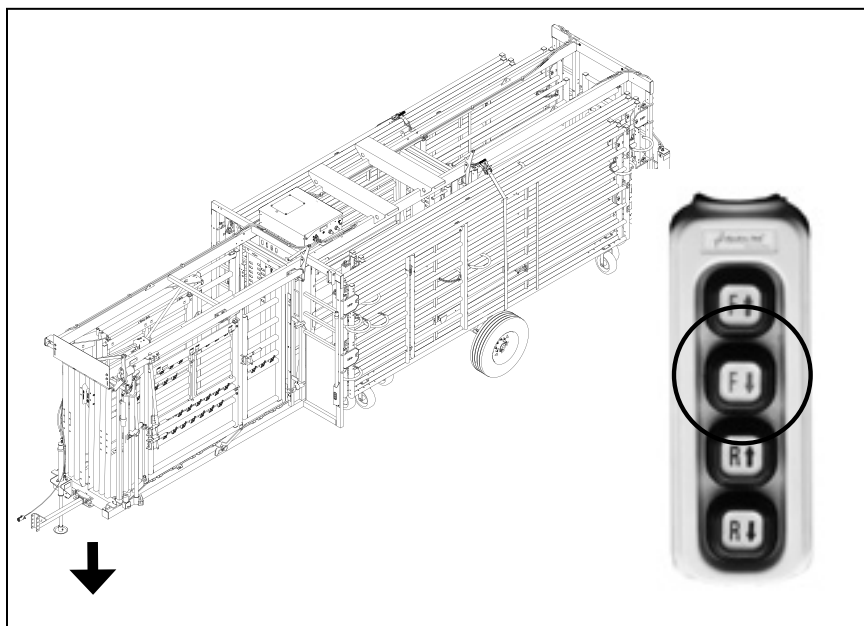
4. Remove the front jack, pin and R clip from the storage bracket located at the front of the unit.



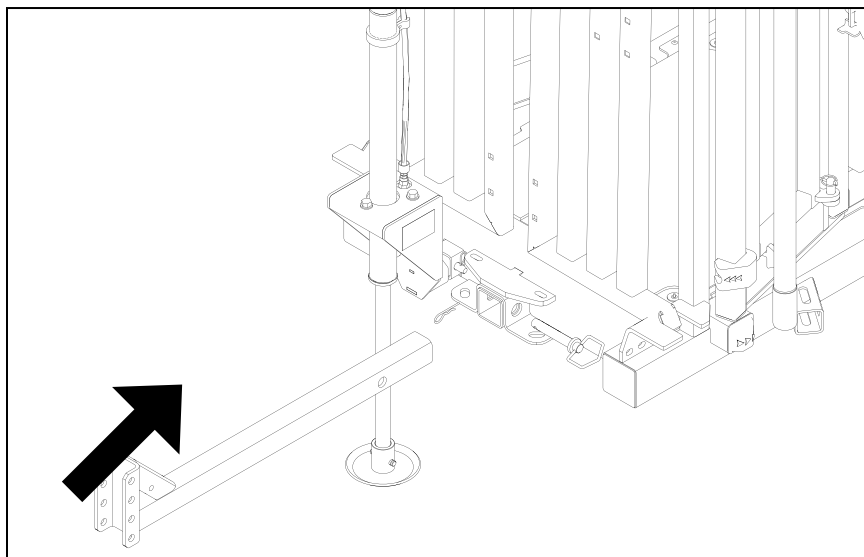
5. Remove the front jack, pin and R clip from the storage bracket located at the front of the unit.



6. Extend the front jack to raise the front end of the unit using the **F DOWN** button until it is raised high enough to re-hitch to the vehicle.



7. Reinstall the hitch.



8. Re-hitch the vehicle to the unit and secure with pin and R clip.
9. Reconnect the trailer wiring harness to the vehicle.
10. Ensure safety chains are hooked securely in place.
11. Retract front jack using the **F UP** button until the jack is fully retracted.



ENSURE ALL SAFETY CHAINS, STRAPS, HITCH PIN, AND SUPPORTS ARE PROPERLY PLACED BEFORE TOWING.



WARNING:

Corral panels must be properly secured with ratchet straps before towing.

READY FOR TRANSPORT

Q-CATCH 87 SERIES CATTLE CHUTE

THIS SECTION CONTAINS:

- Operating the Q-Catch 87 Series
- Assembling the Q-Catch Head Gate
- Emergency Head Gate Release
- Head Gate & Squeeze Conversion
- Q-Catch 87 Series Add-Ons
- Operating the Q-Catch 87 Series

OPERATING THE Q-CATCH 87 SERIES



STOP

ENSURE ALL CHUTE FUNCTIONS AND ADD-ONS ARE WORKING PROPERLY BEFORE OPERATING.

1. Ensure the head gate, tail gate, and all access points are closed before the animal enters the chute.
2. Open tail gate for the animal to enter the squeeze chute enclosure.
3. Close tail gate.
4. Open head gate slightly more than the neck size of the animal to tempt the animal to stick its head through the head gate. When neck of animal is in the correct position, quickly close the head gate securely on the animal's neck.
5. If required, side squeeze animal and engage head restraint to restrain further movement.
6. If the animal applies excessive pulling pressure on head gate, it is recommended to use the anti-backing bar behind cattle rump.

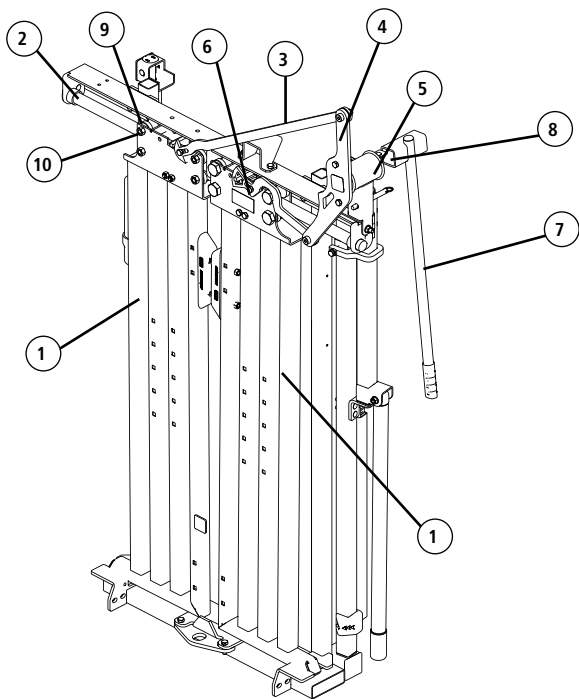


STOP

CONFIRM ANIMAL IS SECURELY HELD BEFORE CARRYING OUT ANY HUSBANDRY WORK.

ASSEMBLING THE Q-CATCH HEAD GATE

Your chute will come with the head gate fully assembled and ready for use. However, if you need to disassemble your head gate for any reason, the following guide will help you properly reassemble the head gate.



Q-CATCH HEAD GATE	
1	Q-CATCH DOOR
2	Q-CATCH TRACK SHAFT
3	LONG HAMMER
4	SQUEEZE ARM PLATE
5	CONTROL TOWER DOM TUBE
6	HEAD GATE HAMMER
7	Q-CATCH CONTROL HANDLE
8	REAR CONTROL BAR STOPPER
9	Q-CATCH ROLLER
10	Q-CATCH ROLLER BOLT

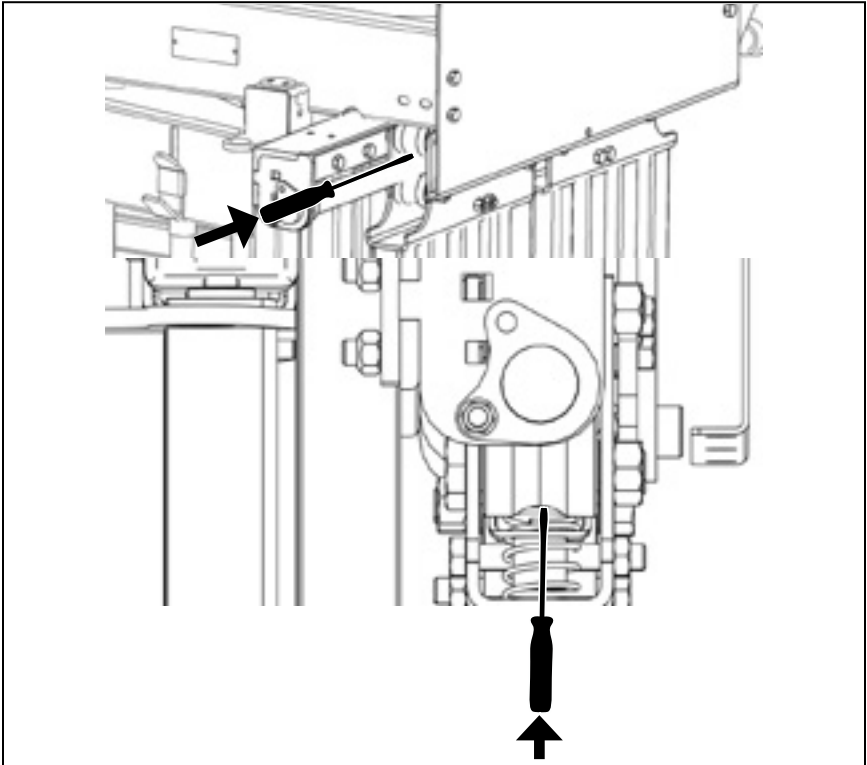
EMERGENCY HEAD GATE RELEASE

Arrowquip squeeze chutes are designed to ensure the safety of both animal and operator. With proper maintenance and lubrication, the head gate will not jam under pressure. However, in the rare event that an animal becomes stuck in the head gate, the following guidelines will ensure you are able to release your animal quickly and safely.

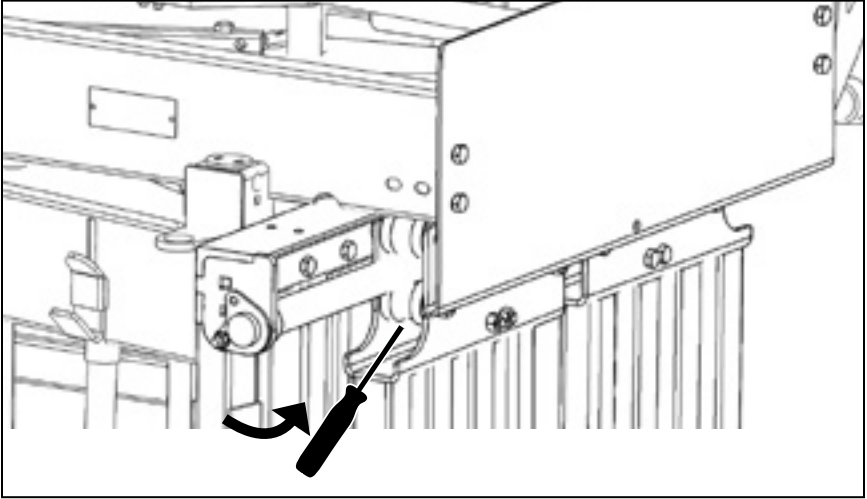
Required Tools

- Screwdriver/Pry Bar
- Steps to Release Lock

1. Go to the offside of the chute, to ensure you will not be hit by the head gate handle.
 - a. If your chute is designed for offside operation, you will need to go to the nearside of the chute.
2. Place screwdriver/pry bar under bottom head gate roller on the outer edge of the door.
 - a. This is the side with the “L” curve, not the straight side.
3. Insert screwdriver/pry bar into the small space above the spring in the head gate lock plate.



4. Tilt the screwdriver/pry bar up and into the head gate roller. This will push down the spring, releasing the locking mechanism on the head gate door.



HEAD GATE & SQUEEZE CONVERSION

Arrowquip squeeze chutes can be ordered based on your preferred operating side. In the rare event that you would need to operate the head gate and squeeze on the opposite side, please contact your local dealer for additional parts and follow these instructions.

ADDITIONAL PARTS TO ORDER

Required Tools

- 9/16" Wrench
- 3/4" Wrench
- 15/16" Wrench
- 3/8" Hex Key

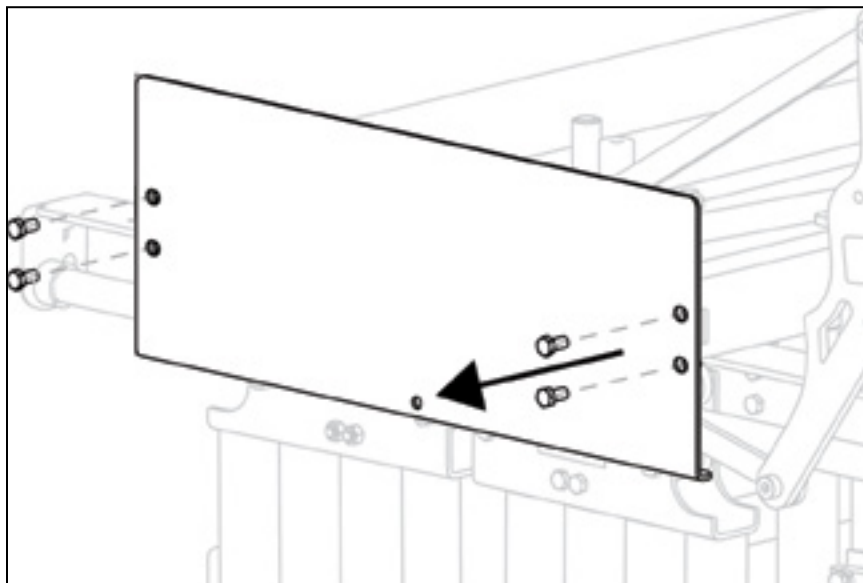
LEFT-HAND TO RIGHT-HAND

NOTE: Switching from Left-hand to Right-hand operation shown. For Right-hand to Left-hand operation, complete the steps from the opposite side.

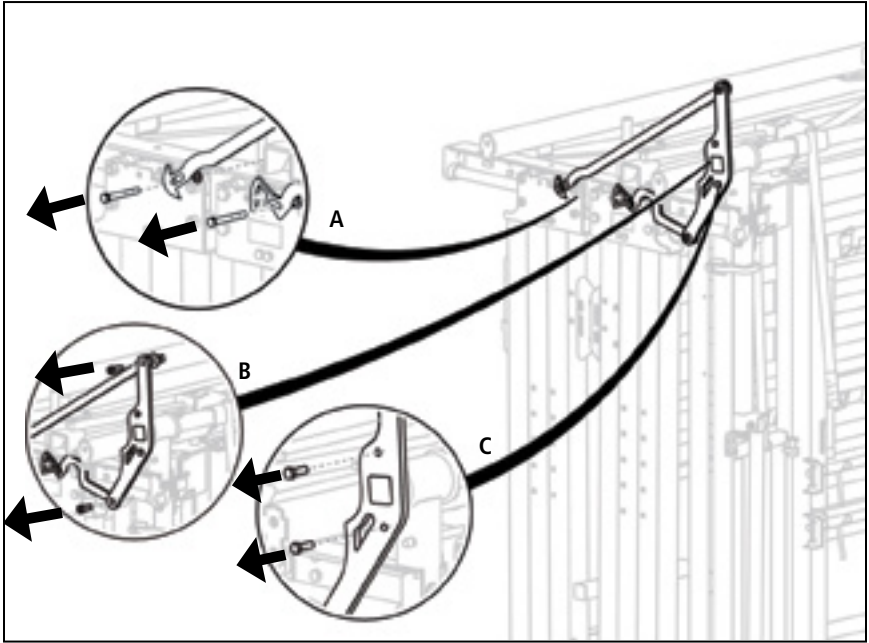
**** REMINDER ****

SET PARTS ASIDE TOGETHER WITH THE CORRESPONDING BOLTS AND WASHERS.

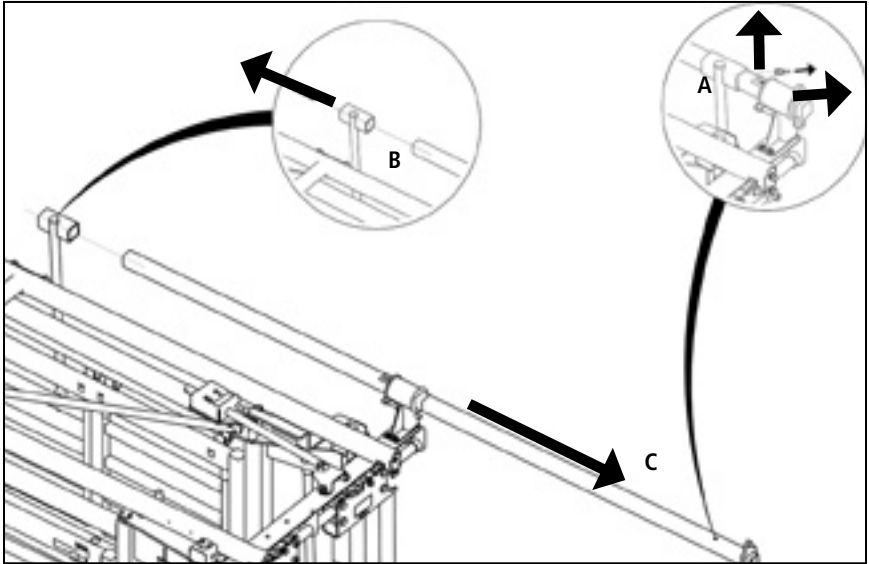
1.



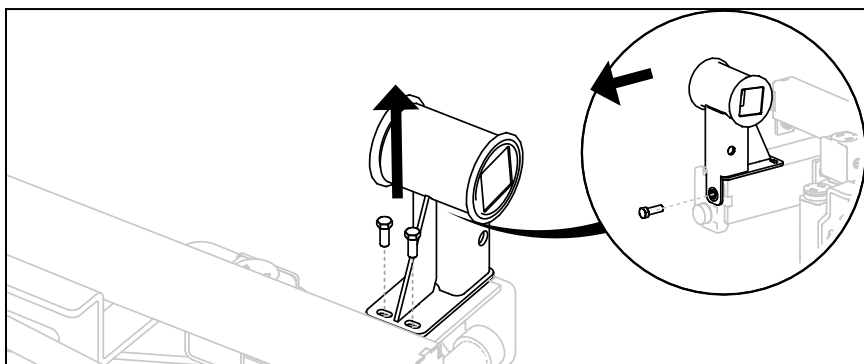
2.



3.



4.



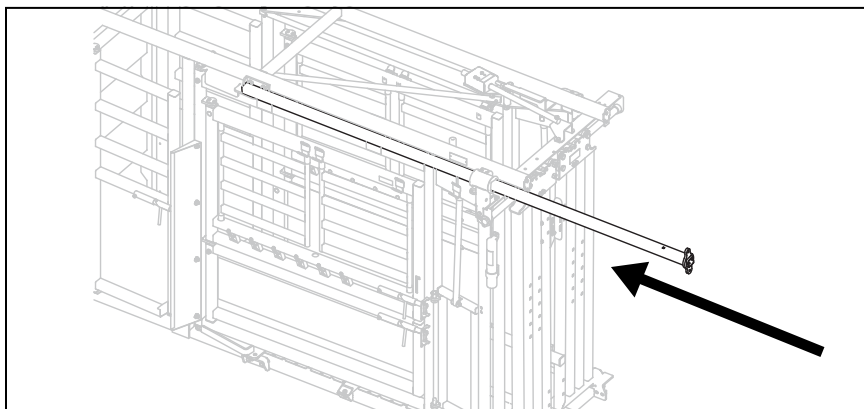
5. Unbolt the shaft, rotate to align with the second hole, and secure.

6.

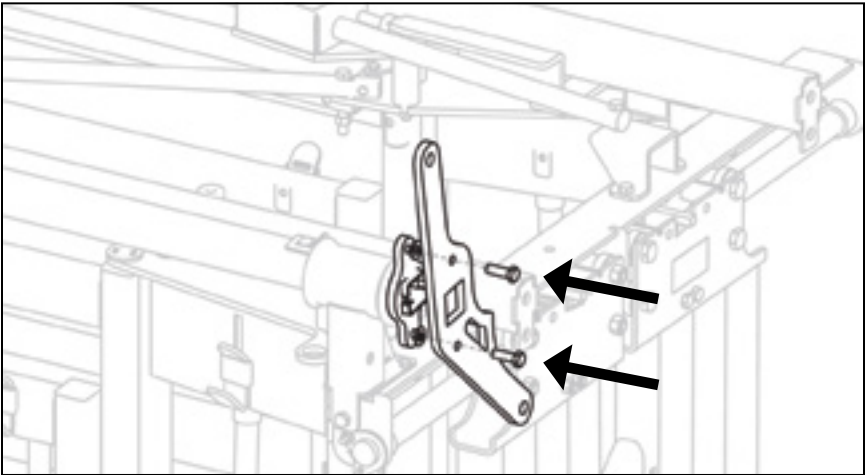


7. Flip the axle pin on the rear control bracket and transfer it to the opposite side.

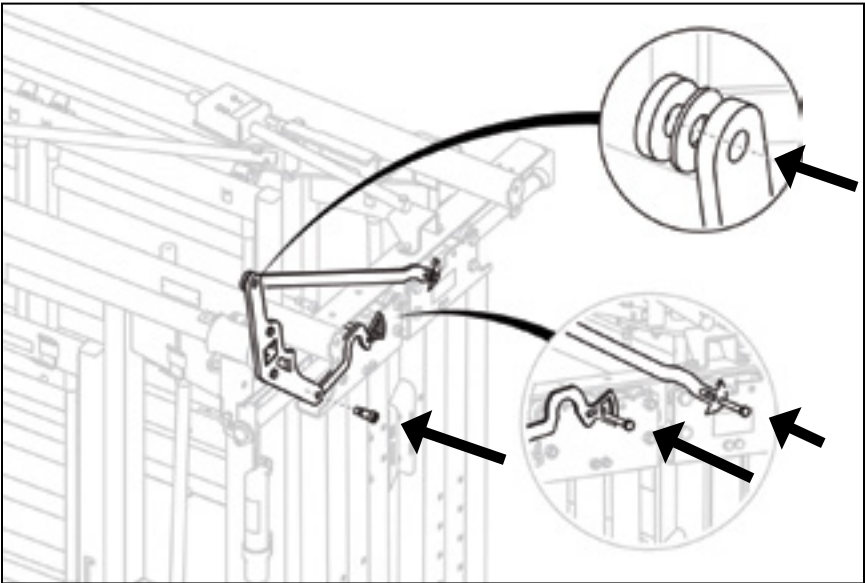
8.



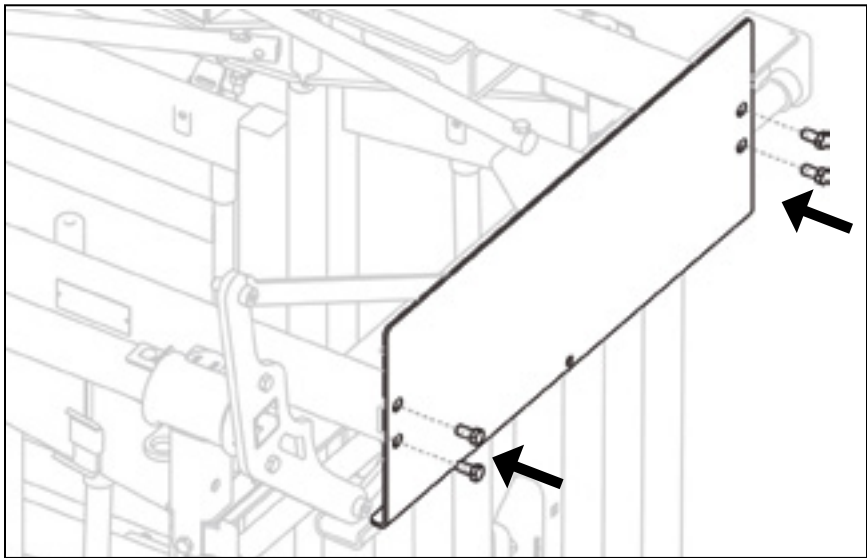
- 9. Insert the Q-Catch handle and mount the control tube on the rear control bracket. Secure with a bolt on the opposite side.
- 10.



- 11.



12.



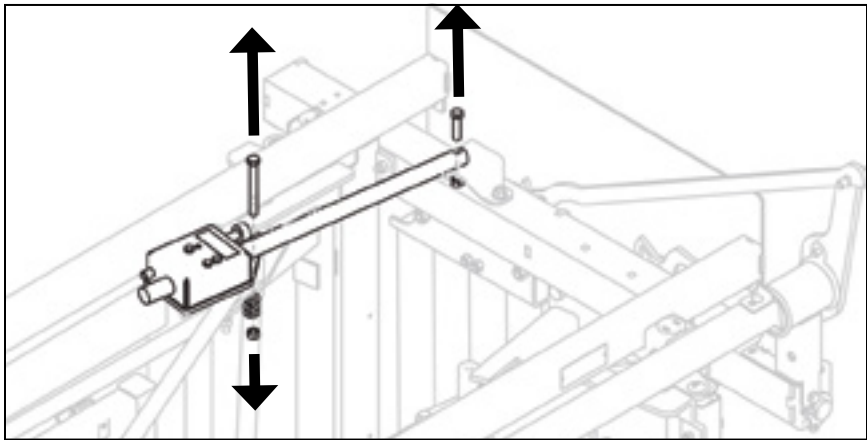
SQUEEZE THE CHUTE TO REMOVE THE FANDANGLE.

- 13. Remove the Left-hand fandangle and squeeze bracket.
- 14. Install the squeeze bracket and Right-hand fandangle on the opposite side.

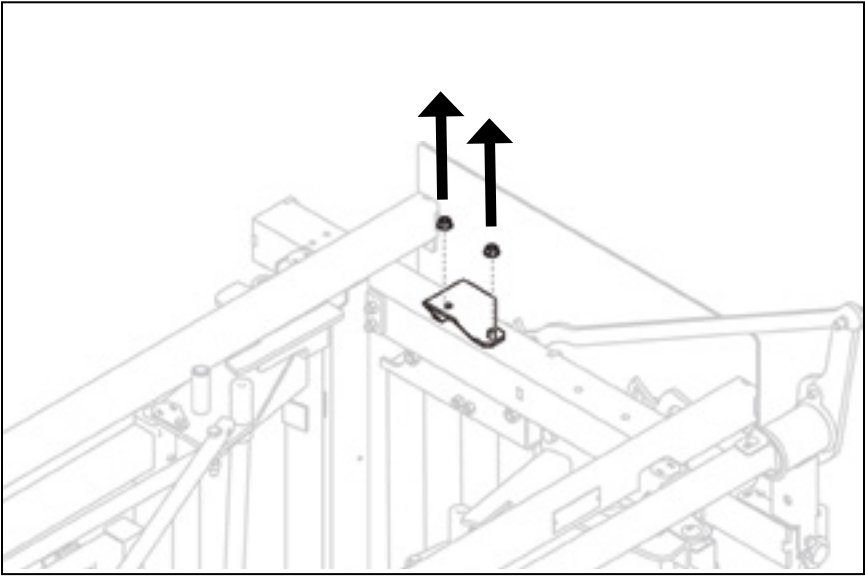


DO NOT TIGHTEN BOLTS UNTIL STEP 22.

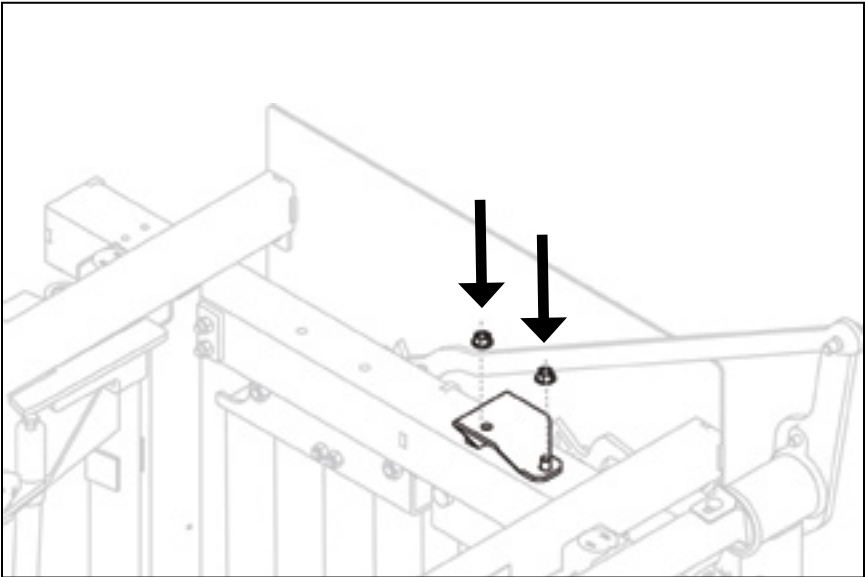
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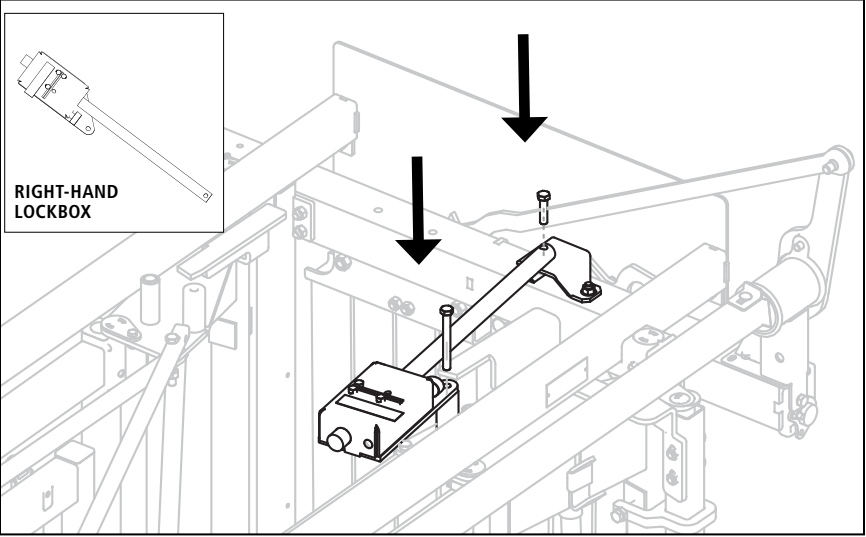
16.



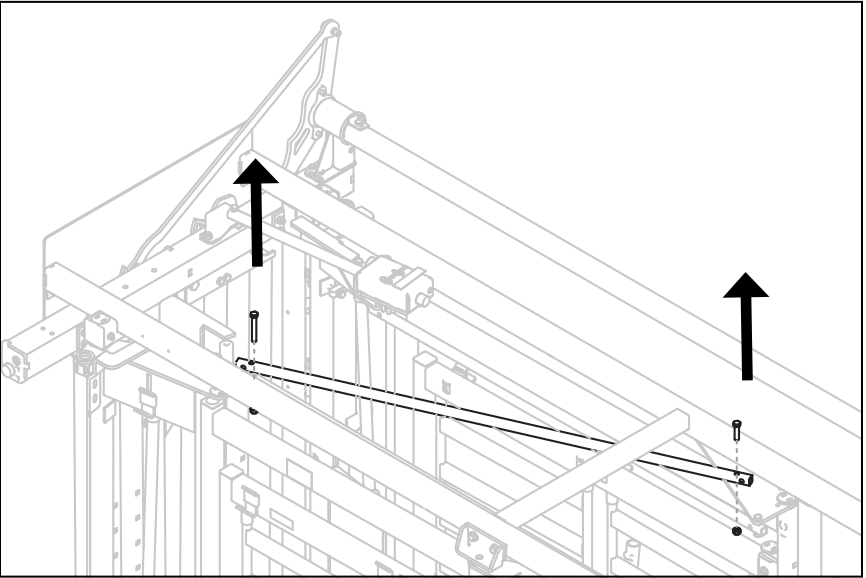
17.



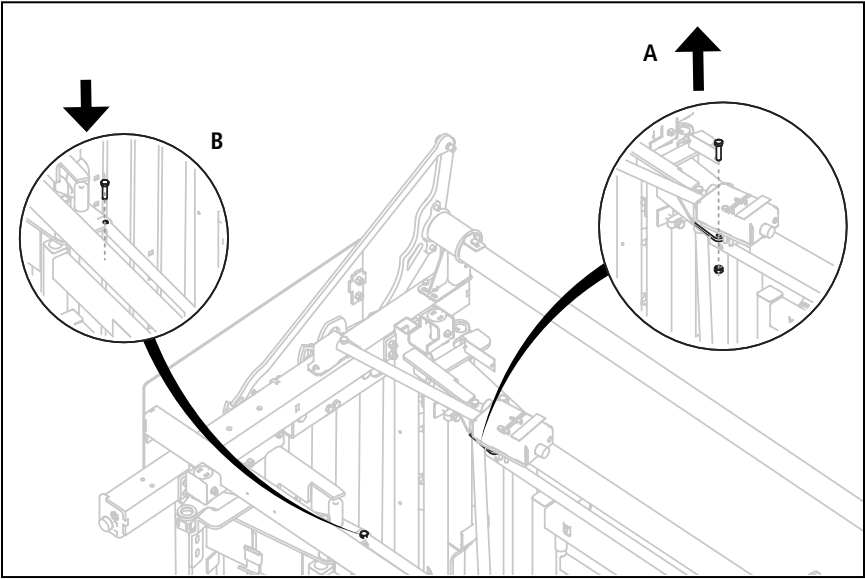
18.



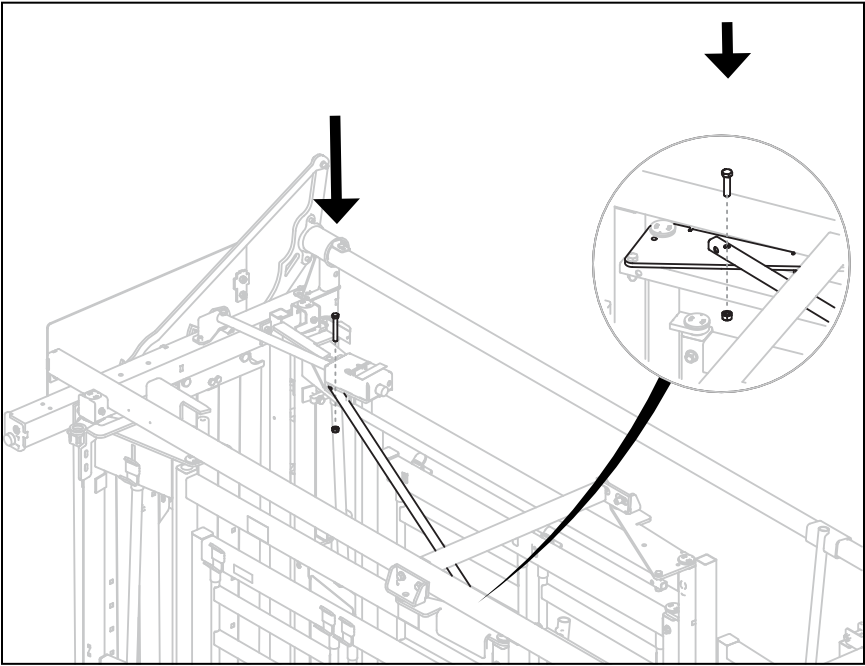
19.

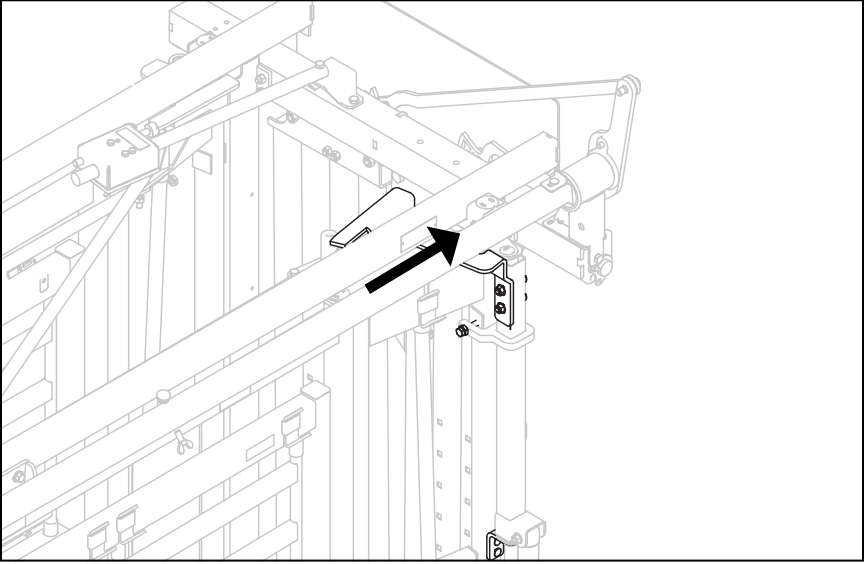


20.



21.



**BEFORE WORKING WITH ANIMALS, SAFETY CHECK:****STOP**

- All parts have been reinstalled correctly
- All chute functions, including the head gate and squeeze mechanisms, are working properly
- All bolts are tightened correctly
- Any bolts securing moving parts should be able to rotate freely

Q-CATCH 87 SERIES ADD-ONS

3RD GENERATION Q-CATCH HEAD HOLDER

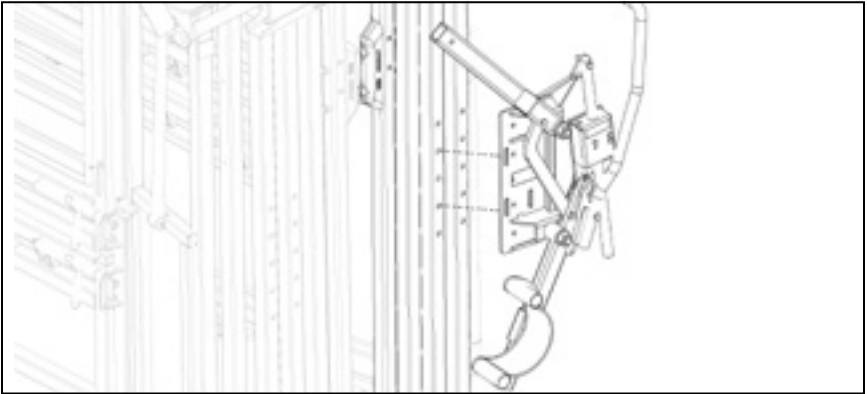
For complete information, read the Head Restraint manual.

REQUIREMENTS:

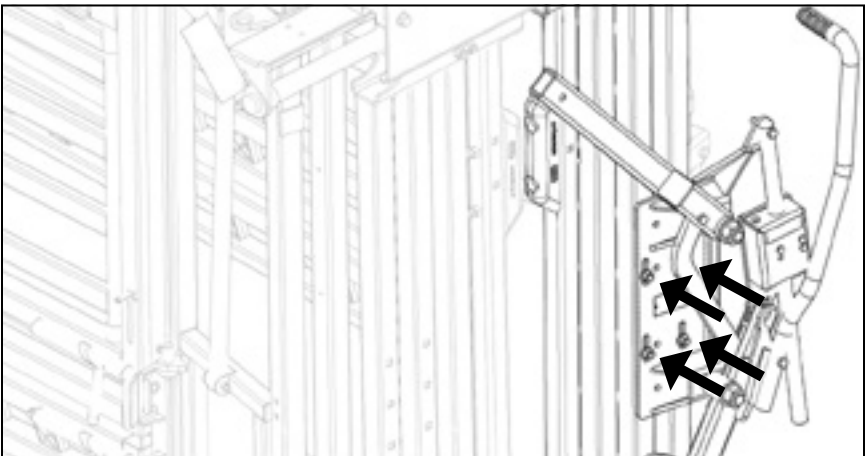
- 2 people
- ¾" Wrench

INSTALLATION:

1. Insert 4x1/2-13x3" carriage bolts through the head gate door from inside the chute.



2. Align the head holder to the slots in the head gate according to your desired height.



3. Secure the head holder with 4 bolts.

SAFETY PRECAUTIONS:

1. Ensure that the head holder remains open until required to hold the animal's head.
2. If not in use, use detent pin to hold the head holder in place.

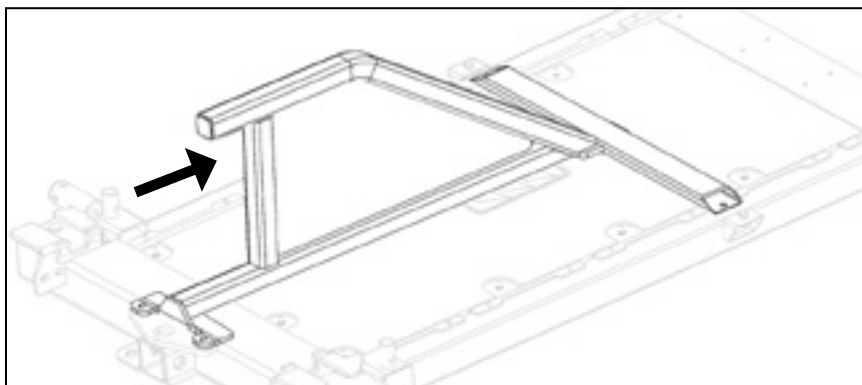
MAINTENANCE:

1. Add grease through the grease nipples as needed.
2. Every 6 months:
 - a. Check bolts to ensure they are tightened properly.
 - b. Spray brake cleaner on a rag and wipe the lockbox shaft while opening and closing the head holder.

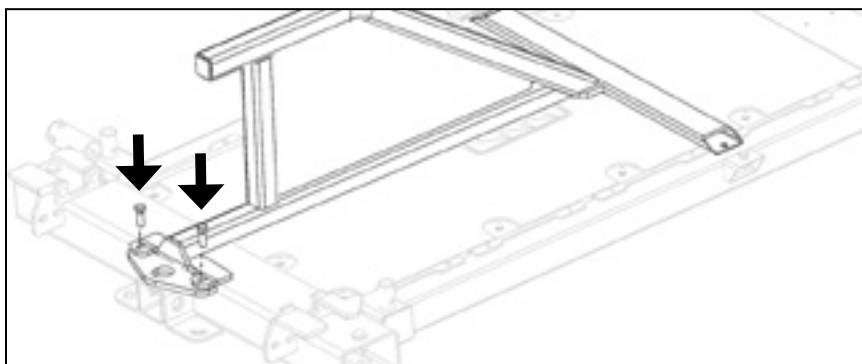
SHEETED STERNUM BAR

INSTALLATION:

1. Insert the sternum bar into the bracket.



2. Fasten bolts to front plate.





SAFETY CHECK:

- Ensure that the sternum bar is installed correctly before running cattle through the chute

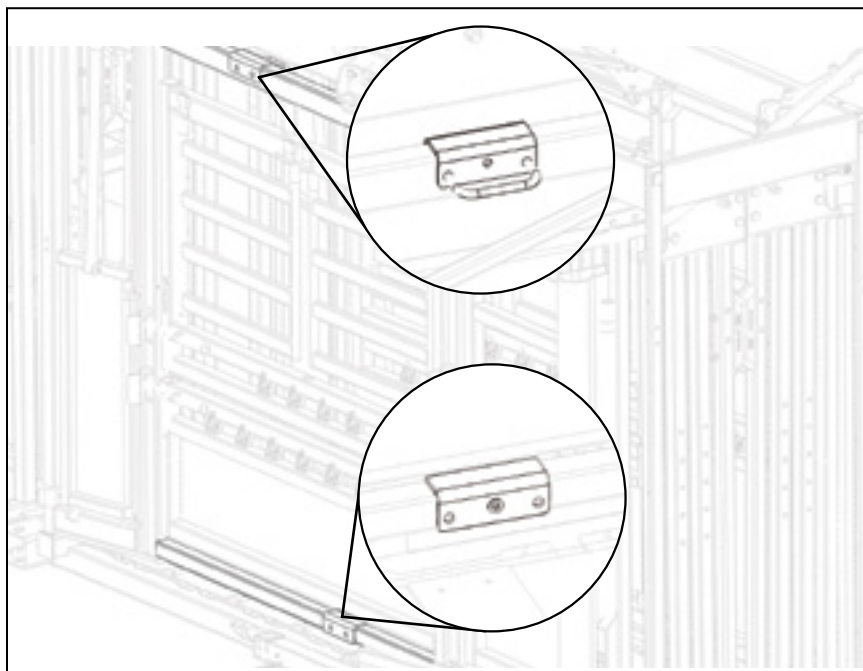
SAFETY PRECAUTIONS:

- Remove the sternum bar when working calves.

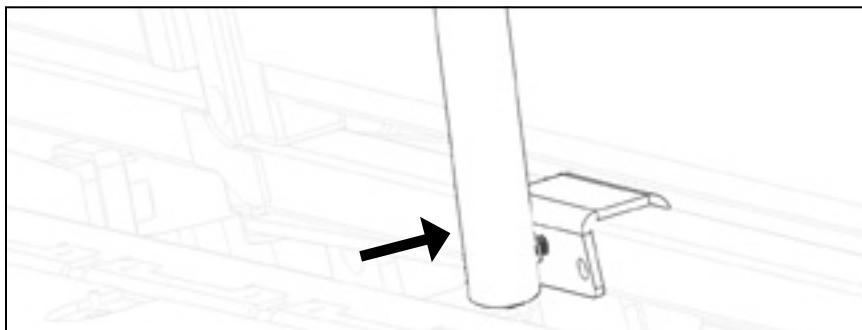
CALF RESTRAINER BAR

INSTALLATION:

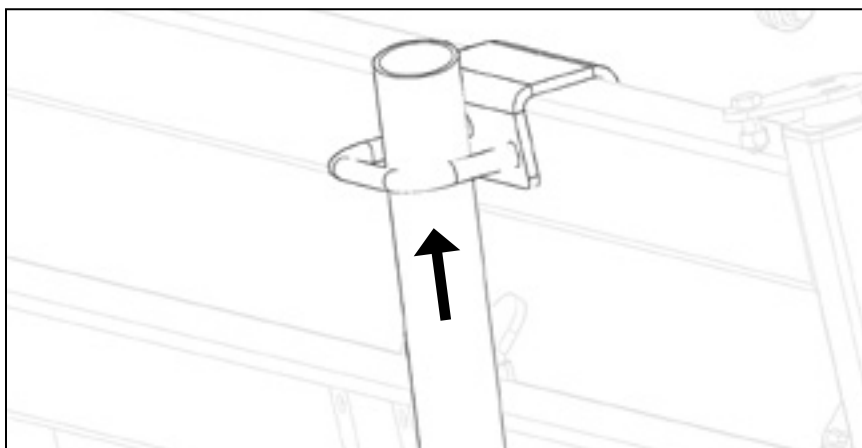
1. Place both brackets on the chute.



2. Attach the Calf Restrainer Bar to the bottom bracket.



3. Insert the Calf Restrainer Bar into the top bracket.



4. Adjust Calf Restrainer Bar position to your preference. Tighten bolts to secure.

SAFETY PRECAUTIONS:

- Ensure the Calf Restrainer Bar is installed and secured correctly before running cattle through the chute.

EASY FLOW ALLEY

THIS SECTION CONTAINS:

- Adjusting the Easy Flow Alley
- Using the Removable Panels
- Using the Emergency Exit
- Scale Platform Installation
- Rolling Door Switch

ADJUSTING THE EASY FLOW ALLEY

STOP

ACTIVATE THE SAFETY LATCHES BEFORE ADJUSTING.

Safety latches must be in place when adjusting the width of the alley. Failure to use the safety latches may cause the panels to drop unintentionally, resulting in damage to persons or property.

1. Pull the adjustment cable between the slam latches to release the panel.
2. Adjust the panel to the desired position.
3. Lock the panel into position with slam latches.



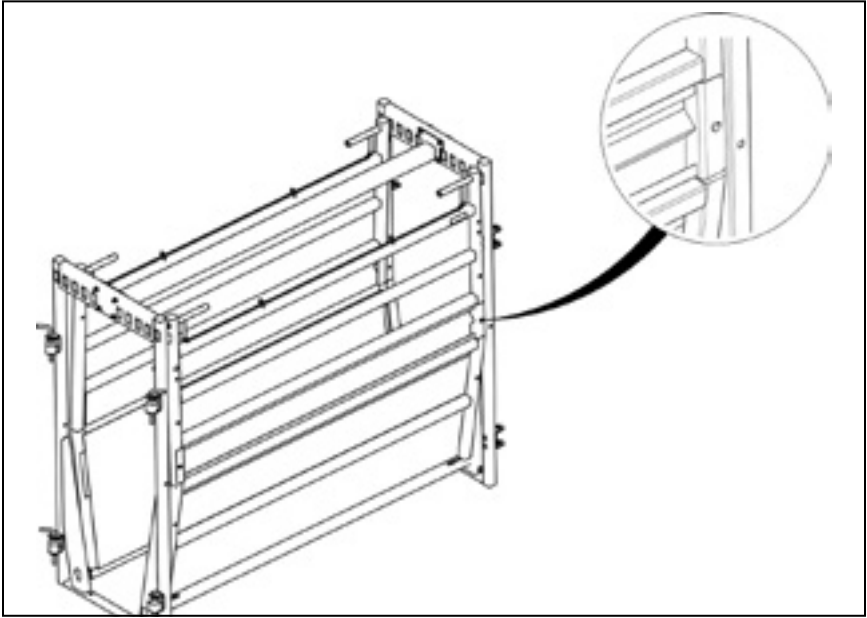
STOP

BOTH LATCHES SHOULD BE SECURELY FASTENED IN THE PARALLEL ADJUSTMENT SLOTS BEFORE PROCEEDING.

4. Repeat steps 1-3 to adjust the opposite side.

USING THE REMOVABLE SIDE PANELS

The removable side panels can be configured in multiple positions, allowing you to control what cattle see in the alleyway. Additional panels can be added, as desired.



1. Unscrew bolts on both ends to release the panel.
2. Remove the panel and install in the desired position.

If you do not require high sheeting, or are working with calves, panels can be stored on the side of the alley.

USING THE REMOVABLE SIDE PANELS

In the event of a downed animal or other emergency, you can use the emergency exit to release livestock from the alleyway. Exercise caution when releasing livestock, as they may act in unpredictable and/or uncharacteristic ways while distressed.

Watch the emergency exit demo here: <https://www.youtube.com/watch?v=qsCtzmlI8A8>



Requirements

- 2 people



DANGER!

Panels are very heavy and will drop with excessive pressure when an animal is contained in the alley. Failure to operate the emergency exit properly may result in damage or injury.

1. Ensure all persons and property are out of the way.
2. Tie a minimum 17' long rope on the top bar of the panel.
3. Wrap the rope around the center post on the alley twice.
4. Deactivate the safety latch on the chosen exit side.

**STOP**

TRANSFER TO THE OPPOSITE SIDE OF THE ALLEY BEFORE PROCEEDING. (NON-EXIT SIDE).

5. Release the slam latches on the panel to be lowered.
6. Lower the exit panel to the ground slowly with the rope.
7. Assist the animal to exit the alley and provide care, as necessary.
8. Once the animal is free of the alley, lift the panel back into position and secure the slam latches.
9. Ensure both latches are securely fastened in parallel adjustment slots.

**STOP**

ACTIVATE THE SAFETY LATCH BEFORE PROCEEDING.

10. Remove the rope. It is now safe to continue running cattle through the alley.

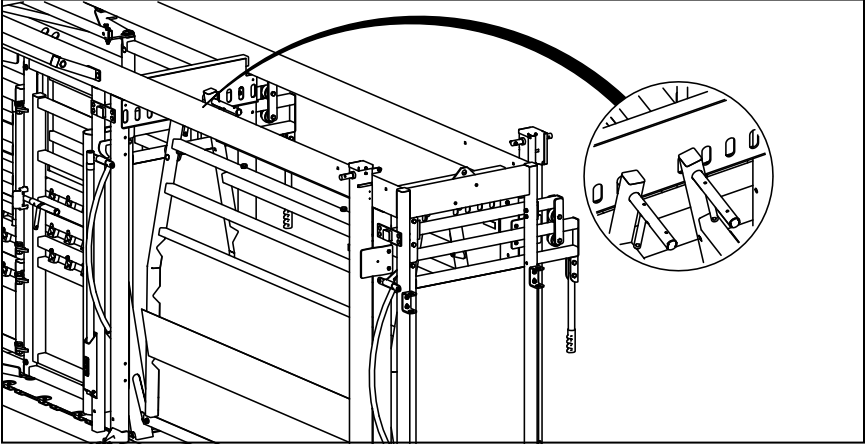
SCALE PLATFORM INSTALLATION

Requirements

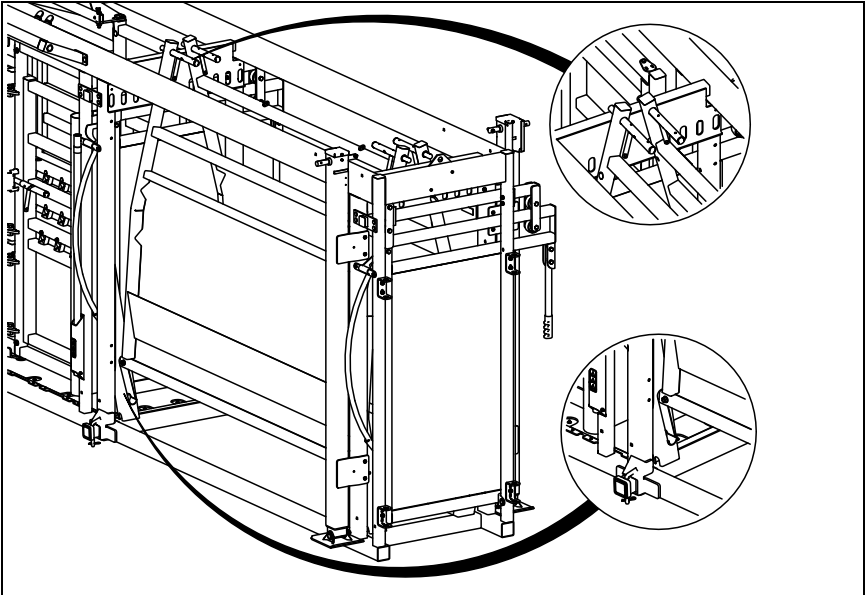
- 2 people

INSTALLATION

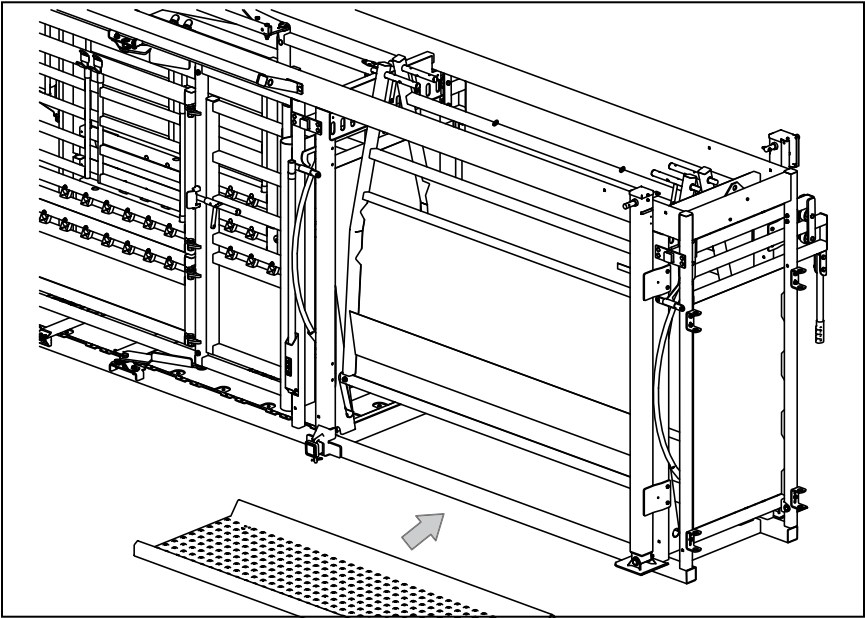
1. Adjust the alley width to the narrowest setting.



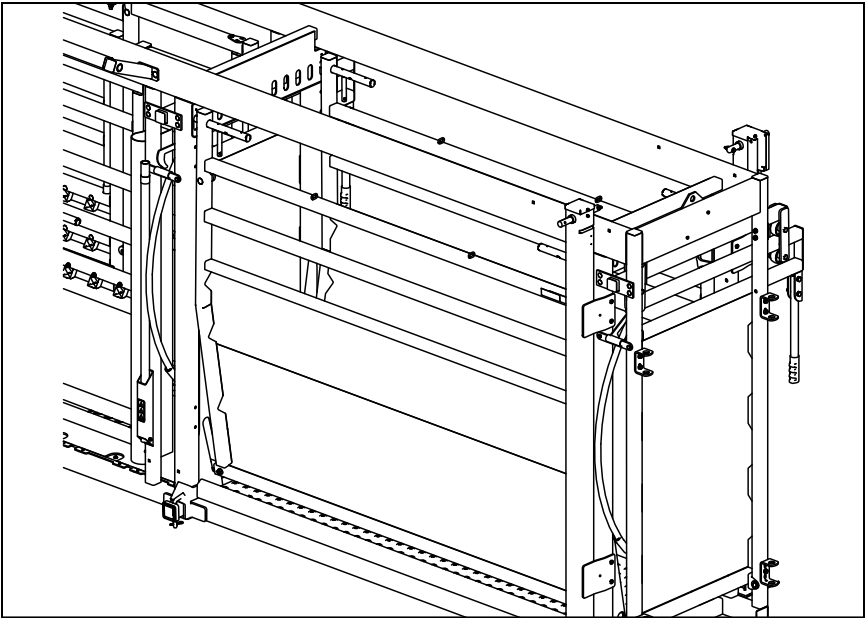
2. Lift the side panel and set the latch above the alley bow. Repeat step for the opposite side panel.



3. Slide Scale Platform underneath.



4. Lower the side panels back to working position.



SAFETY PRECAUTIONS

- Please ensure that the scale platform is installed correctly, and side panels are properly latched before running cattle through the unit.

ROLLING DOOR SWITCH

Requirements

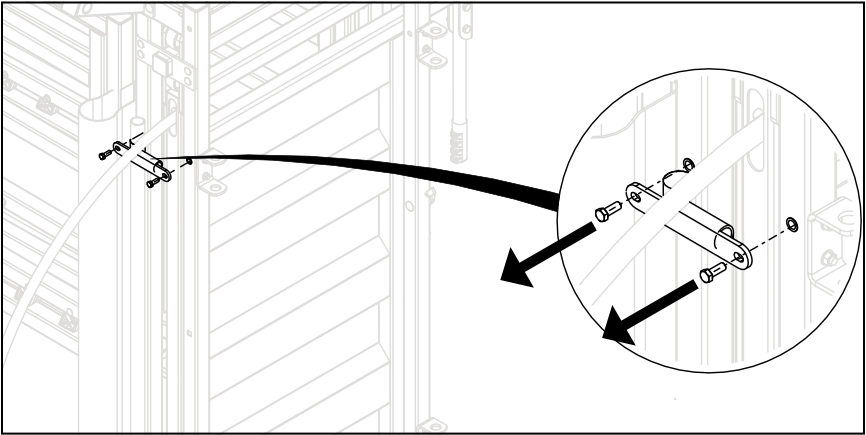
- 9/16" wrench
- 3/4" wrench

LEFTHAND TO RIGHTHAND

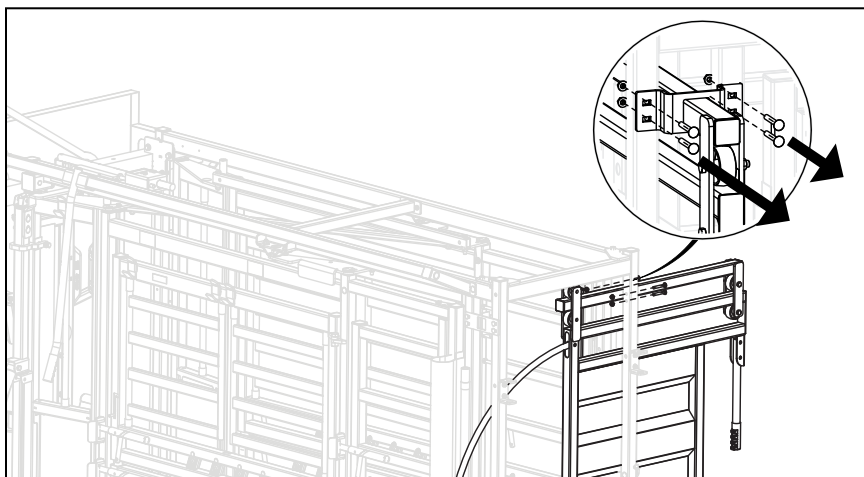
Switching from Left-hand to Right-hand operation shown. For Right-hand to Left-hand operation, complete the steps from the opposite side.

Variation with 4 screws on each plate shown. Same steps apply for rolling doors with 2 screws on each plate.

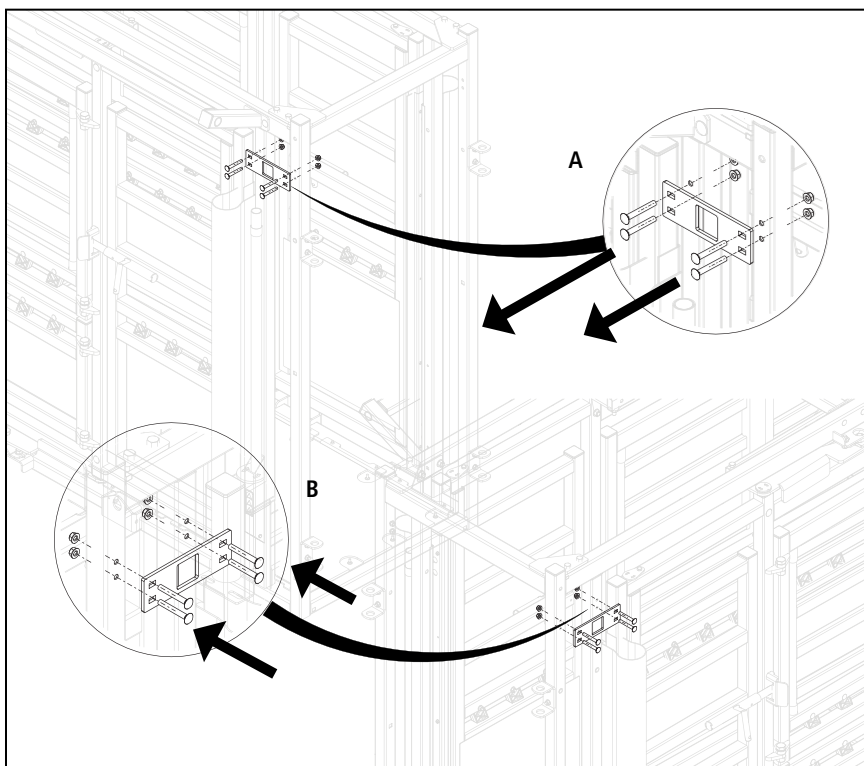
1. Remove rolling door handle slider.



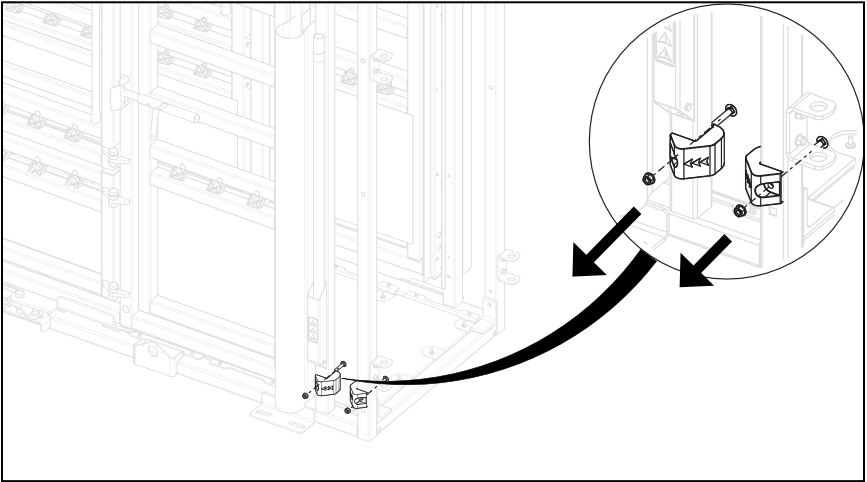
2. Remove the rolling door from the main frame.



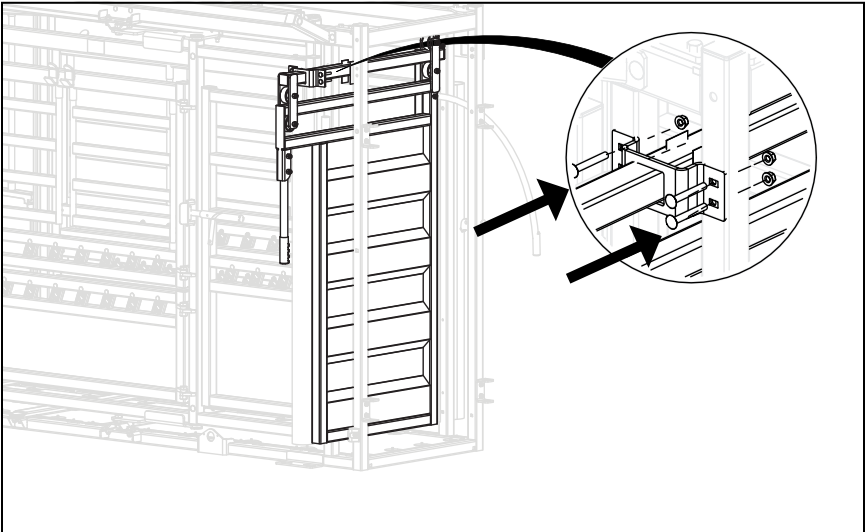
3. Remove the rolling door track plate, and switch to the opposite side.



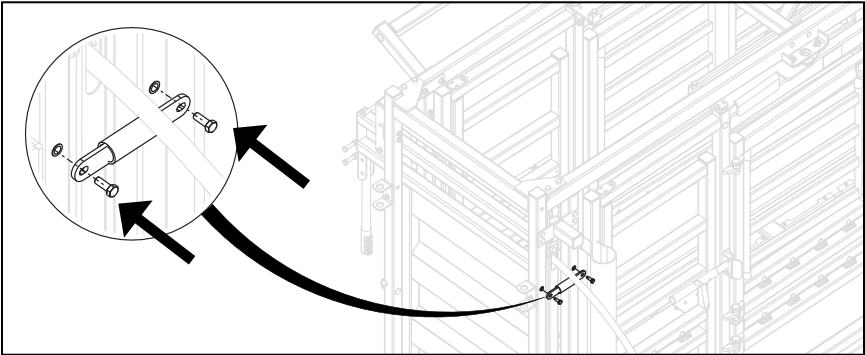
4. Remove the rolling door bumpers and move to the opposite side.



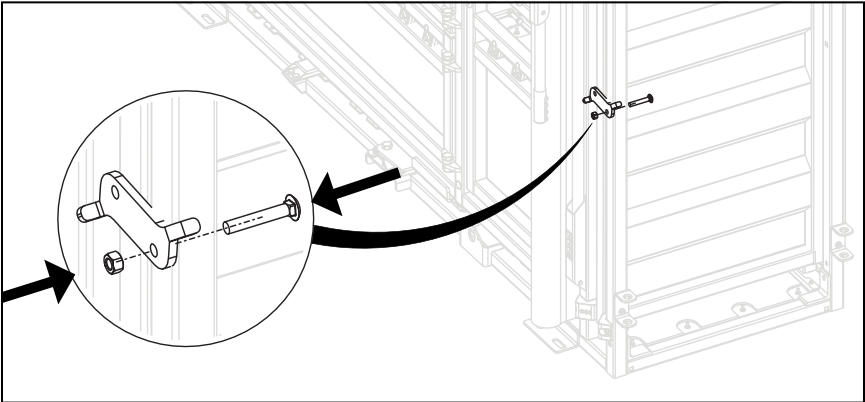
5. Install the rolling door and secure to the main frame.



6. Install the rolling door handle slider on the right-hand side.



7. Remove the rolling door lock and move to the opposite side.



RECOMMENDED MAINTENANCE

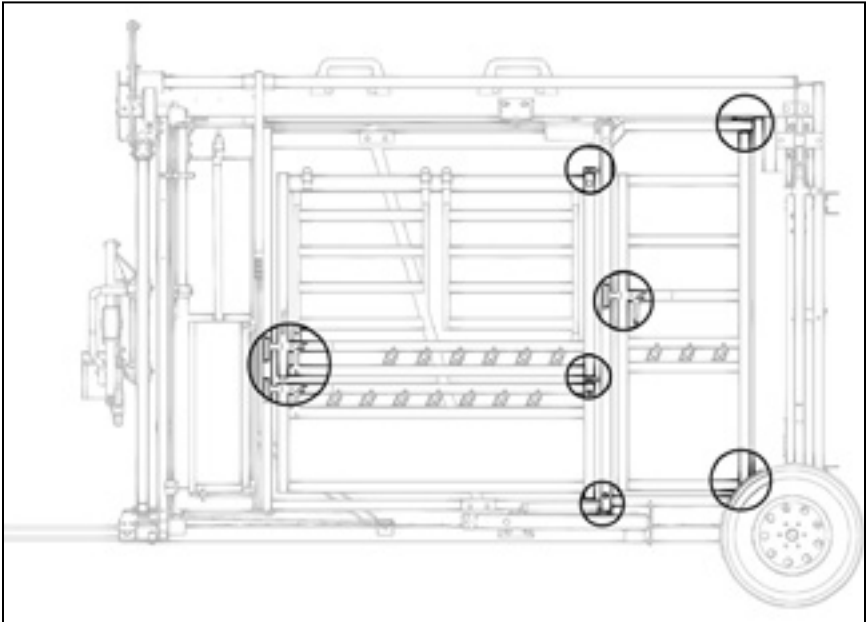
THIS SECTION CONTAINS:

- General Equipment Maintenance
- Cattle Chute Maintenance
- Hydraulic Jack Maintenance
- Battery Maintenance
- Wheel Maintenance

All Arrowquip Products are made with precision parts to require minimal maintenance. However, regular maintenance will keep your equipment running smoothly and safely.

REGULAR MAINTENANCE (EVERY 6 MONTHS)

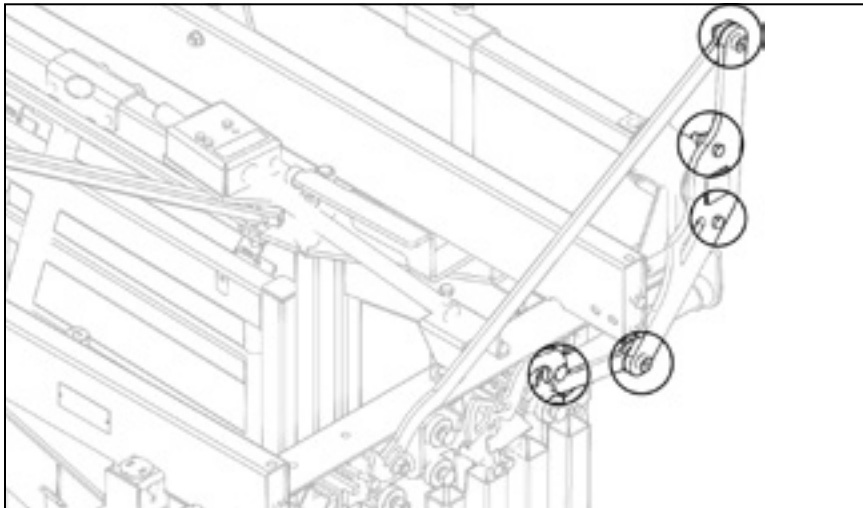
1. General Maintenance
 - a. Inspect the entire unit. Ensure all moving components are free of debris and functioning properly. Use proper cleaning and troubleshooting steps, if necessary.
 - b. Lubricate slam latches and door hinges with WD-40 Dry Lube.



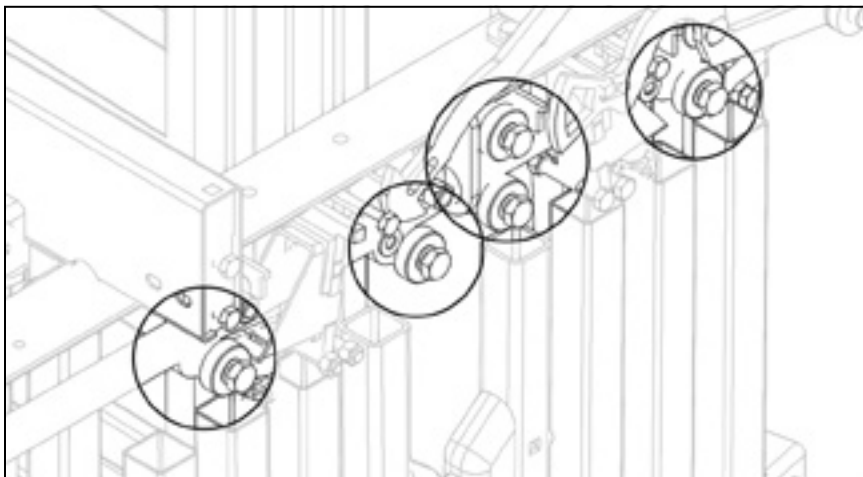
- c. Inspect the entire Portable Corral. Ensure all moving components are free of debris and functioning properly.

2. Cattle Chute

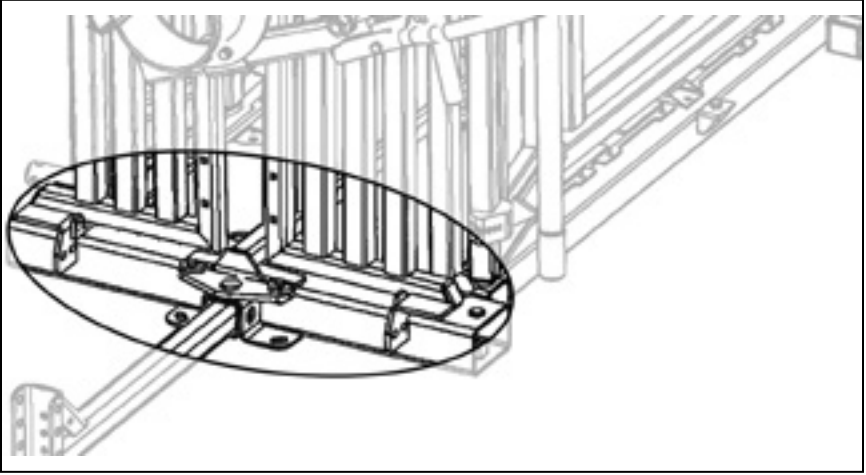
- Inspect the head gate.
 - a. Bolts on the head gate hammers should be tensioned correctly. There should be enough play for the hammers to move freely in their slots.



- b. You should feel the head gate rollers moving when you open the head gate. The rollers should be tight enough to be moved by hand, but not over-tight to cause the rollers to bind.



- Clean bottom head gate door track to prevent dirt-build-up.



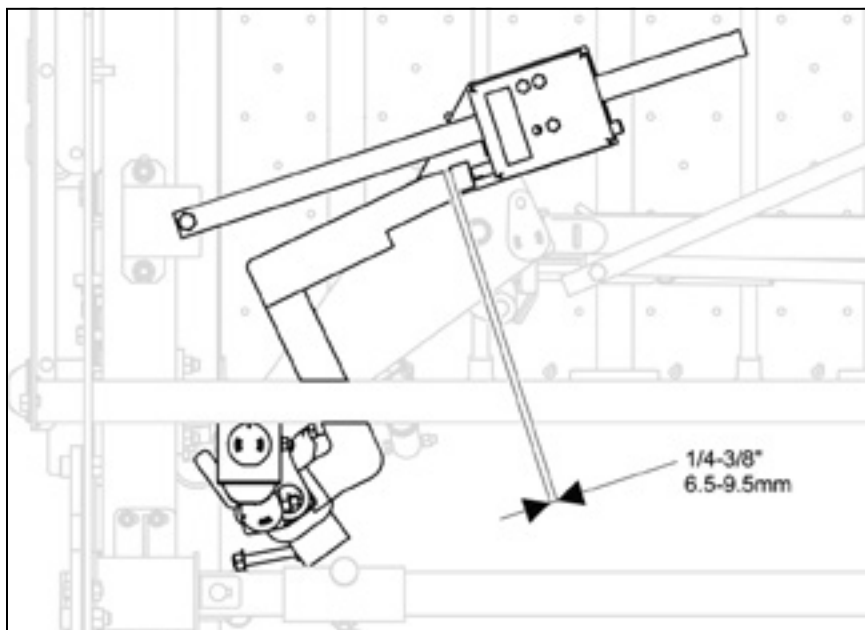
- Clean the chute floor. Excess build-up of manure or dirt inside chute can cause the squeeze and head gate to malfunction.
- Check main squeeze pivot bolt for wear.

WHEN NECESSARY

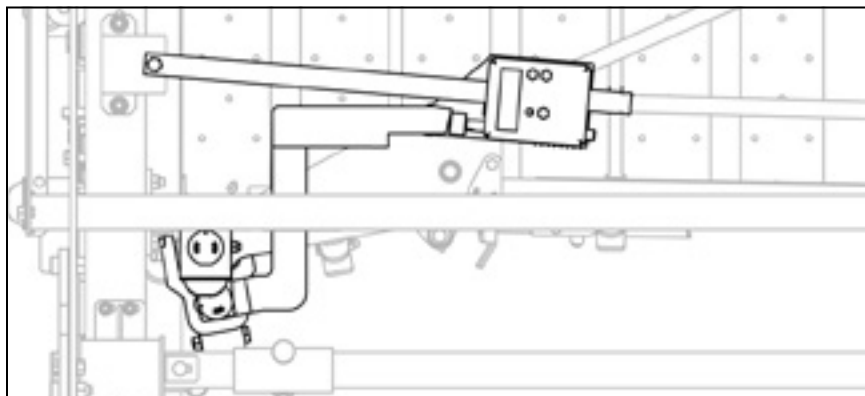
1. Clean the unit to remove excess build-up or dirt.
2. Adjust the squeeze lock settings.
 - a. Loosen jam nuts, and back out front and rear bolts.



- b. Squeeze the chute to get a visual of the release pin.
 - c. Apply inward pressure on the squeeze handle. Adjust rear bolt until there is $\frac{1}{4}$ " – $\frac{3}{8}$ " gap between the fandangle and release pin.



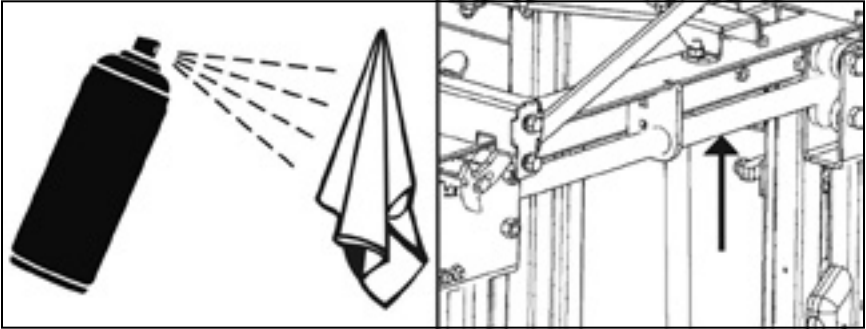
- d. Apply outward pressure on the squeeze handle. Adjust the front bolt until the fandangle presses the lock box release pin $\frac{1}{4}$ " - $\frac{3}{8}$ " in towards the lock box, which will release the lock mechanism and allow the squeeze to open fully.



- e. When the adjustment is set, re-tighten jam nuts to lock adjustment in place
 - i. Tightening = less push
 - ii. Loosening = more push
 - iii. You will not have to push the release pin very far to enable release.

FRICTION LOCK MAINTENANCE

1. Clean the head gate shaft with brake cleaner.
2. Apply WD-40 Dry Lube sparingly **WITH A CLOTH** to the Head Gate shaft, only when necessary.



3. Use WD-40 Dry Lube only.
4. Use of other lubricants, including regular WD-40 may cause malfunction or slipping.

HYDRAULIC JACK MAINTENANCE



WARNING:

If you have any issues with your hydraulic jacks, contact Arrowquip Client Care at 1-877-275-6075.

1. Replace oil annually, or more frequently as necessary.
 - a. Dirty oil or oil that has 0.05% of water in it can be catastrophic for hydraulic systems. Replace oil frequently to prevent damage to your hydraulic jacks and keep them working safely and reliably.
 - b. The unit requires 14qt of AW22 oil.
2. Keep the solar panel clean.
 - a. To ensure the Solar Panel can do its job and keep your battery functioning properly, ensure the panel is clean and exposed to sunlight regularly.
3. Retract the jacks fully, every time they are used.
 - a. To keep the jacks properly synchronized, it is essential that the cylinders are retracted fully until they stop moving every time they are used.

BATTERY MAINTENANCE



WARNING:

The batteries on the portable handling systems must be charged with a 12V AGM battery charger.

1. Charge the battery as required with a 12V AGM battery charger.
 - a. Connect charger to external Battery Lugs, as per battery manual.

BATTERY REPLACEMENT

If battery replacement is required, ensure replacement is of the same specs. Batteries with the wrong specs will void the warranty.

WHEEL MAINTENANCE

It is extremely important to apply and maintain proper wheel mounting torque on your trailer wheel. Torque is a measure of the amount of tightening applied to a fastener (nut or bolt) and is expressed as length force. For example, a force of 90 pounds applied at the end of a wrench on foot long will yield 90 ft. lbs. of torque. A torque wrench is the best method to assures the proper amount of torque is being applied to a fastener.

Be sure to use only fasteners matched to the cone angle of your wheel – usually 60° or 90°. The proper procedure for attaching your wheels is as follows:

1. Start all bolts or nuts by hand to prevent cross-threading.
2. Tighten bolts or nuts in the sequence shown for wheel torque requirements.
3. The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners per wheel torque requirements diagram.
4. Wheel nuts/bolts should be torqued before first road use and after each wheel removal. Check and re-torque after the first 10 miles, 25 miles, and again at 50 miles. Check periodically thereafter.

Maximum torque level that can be safely applied to the studs are: Stud Size: .5"-20 UNF, class 2A Maximum Torque: 120ft. lbs.

TROUBLESHOOTING GUIDE

If you have a problem with your Q-Catch 87 C-Series Portable Corral System, please consider the following tips or call Client Care at 1-877-275-6075.

HEAD GATE

1. Make sure the unit is situated on level ground or base
2. Make sure head gate door tracks are free of debris.
3. Keep floor clean. Excess build-up of manure or dirt inside chute can cause the squeeze and head gate to malfunction.
4. Ensure bolts on the head gate are tightened correctly.
 - a. Too tight will cause the locking and releasing of head gate doors to malfunction.
 - b. Too loose will cause premature wear on head gate parts.
 - c. On the head gate, there is a short hammer and a long hammer between the handle pivot and doors. These two hammers have a slot in them – check that there is free movement for the bolt to move the entire length of this slot, and the lock nuts are correctly tightened.
 - d. The door hammers also contact the release pins on the lock plates when the head gate handle is pulled back. Ensure there is an air gap between levers and release pins when head gate is being pushed or in an idle position.
5. Check nuts and bolts on all moving parts to ensure that they are tightened correctly, and are not binding.
6. All pivot points should be lubricated as needed with WD-40 Dry Lube.

SQUEEZE CHUTE

1. Check nuts and bolts on items and ensure that they are tightened correctly, and are not binding.
2. All lock boxes and pivot points should be lubricated as needed with WD-40 Dry Lube.

HYDRAULIC JACKS



WARNING:

Before doing ANY work or troubleshooting on your hydraulic jacks, contact Arrowquip Client Care at 1-877-275-6075.

1. Rear jacks are not synchronized.
 - a. If one cylinder is contacting the ground significantly ahead of the other, retract the jacks all the way up and deadhead the jacks until both are as far retracted they can go.
 - i. This should be done every time the jacks are retracted.
 - b. Extend the jacks again to see if the feet are synchronized and contacting the ground at the same time.
 - c. If the jacks are still not synchronized when they hit the ground, ensure the unit is charged fully or boost with jumper cables.
 - d. When both jacks are contacting the ground simultaneously, it is safe to lift the unit.
2. Battery is dead and/or the unit will not function.
 - a. Ensure pendant button is working.
 - i. Listen for the click of the relay when button is pressed. If it makes a clicking sound, the relay is activating.
 - b. If the system seems dead and no functions are working, it is likely the battery may be low and in need of charge.
 - c. Use an AGM Battery Charger to charge the unit, or boost by attaching jumper cables to the charging lugs on the outside of the box.
 - i. Arrowquip recommends Genius 26000 Charger.
3. Slow function in extreme cold weather.
 - a. If the unit has been sitting outside in extremely cold temperatures, it is possible that the oil is thicker than normal, and the jacks may operate slower than at warmer temperatures.
4. Unusual sound coming from the pump.
 - a. If it sounds like there is air getting into the hydraulic system, there is likely not enough oil in the reservoir.
 - b. Fully retract all cylinders.
 - c. Check the oil level in the reservoir.
 - d. The oil level should be just below the edge of the port.
 - e. Fill or replace the oil, as necessary.

RECOMMENDED MAINTENANCE

All Arrowquip Products are made with precision parts to require minimal maintenance. However, regular maintenance will keep your equipment running smoothly and safely.

REGULAR MAINTENANCE (EVERY 6 MONTHS)

- Inspect the entire Portable Corral. Ensure all moving components are free of debris and functioning properly.
- Lubricate slam latches and all hinges with WD-40 Dry Lube.
- Check gate latches and striker plates for wear. Ensure gates are locking securely. (Pins should be into the latch $\frac{3}{4}$ ")

WARRANTY

Your product must be registered to claim warranty, and to ensure that Arrowquip has the required information to contact you in the event of a product or part recall. Any owner who fails to register their product warranty with Arrowquip through their Authorized Arrowquip Dealer voluntarily voids their warranty. Arrowquip will repair or replace products or parts of a product that prove defective due to manufacturer defect during the Warranty Period, at their sole discretion. This excludes defects resulting from normal wear and tear or product misuse. Warranty does not cover corrosion.

NOTE: Any modification, in any fashion, to any Arrowquip equipment immediately voids the product warranty. This includes the parts contained therein.

E.g. If a modification is made to the squeeze mechanism in a squeeze chute, and the sternum bar is bent afterwards, warranty for the damaged part, the sternum bar, contained in the modified equipment, the squeeze chute, is void. In addition, any remaining warranty for the squeeze chute and other parts contained therein, including, but not limited to, the head gate, locking system, Arrowlock or Powerlock systems, and rollers, is null and void.

REGISTER FOR WARRANTY NOW:

ONLINE: arrowquip.com/product-registration

PHONE: 1-877-275-6075 | **EMAIL:** cs@arrowquip.com



If you have any questions regarding your product or require assistance, please contact Arrowquip's Client Care Team at **1-877-275-6075** or by email at **cs@arrowquip.com**

arrowquip.com

