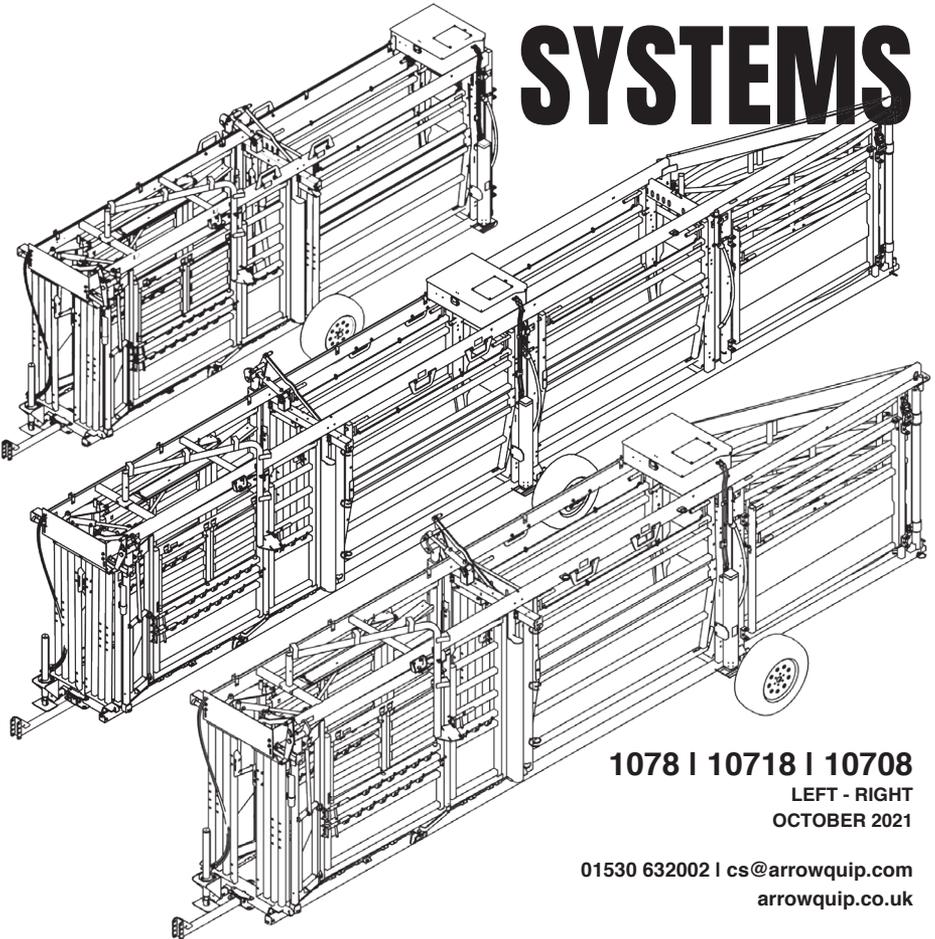




ARROWQUIP

PRODUCT MANUAL

Q-POWER 107 SERIES MOBILE WORKING SYSTEMS



1078 | 10718 | 10708

**LEFT - RIGHT
OCTOBER 2021**

**01530 632002 | cs@arrowquip.com
arrowquip.co.uk**



WARNINGS

WARNING: WHEN CRUSH IS NOT ATTACHED TO VEHICLE, LOWER FRONT HITCH JACK TO THE GROUND FOR SAFETY.

ALWAYS LOWER UNIT TO THE GROUND IMMEDIATELY WHEN TRANSPORT IS COMPLETE.

WHEEL NUTS / BOLTS SHOULD BE TORQUED BEFORE FIRST ROAD USE AND AFTER EACH WHEEL REMOVAL.

DO NOT REPAIR THE CRUSH OR GO INTO THE CRUSH WHEN HYDRAULICS ARE IN OPERATION. THIS CAN RESULT IN INJURY TO THE WORKER. UNPLUG THE MOTOR BEFORE PERFORMING ANY NECESSARY REPAIRS OR INSPECTION.

DO NOT ATTEMPT TO CONNECT THE ELECTRIC POWER PACK IF YOU ARE NOT A CERTIFIED ELECTRICIAN. FOR YOUR SAFETY, ELECTRIC POWER PACKS MUST BE CONNECTED AND WIRED BY A FULLY CERTIFIED ELECTRICIAN.

CONTENTS

Safety Precautions	1
Risk Assessment	2
Transporting the Q-Power 107 Series Mobile Working System	3
Reference for Manual Jacks	3
Reference for Forcing Pen Instructions	3
Operation Guide for Hydraulic Jacks	4
Lower Unit for Use	6
Unfolding the Collapsible Forcing Pen	9
Raise Unit for Transport	15
Folding the Collapsible Forcing Pen	15
Installing Tires	23
Using the Q-Power 107 Series Cattle Crush	26
Q-Power 107 Series Hydraulic Squeeze Crush Assembly	27
Operating the Q-Power 107 Series	27
Cold Start	28
Power Failure	28
Q-Power 107 Series Add-Ons	28
3rd Generation Q-Catch Head Scoop	28
Sheeted Sternum Bar	30
Clipping Rail	31
Hydraulic Head Sweep	32
Easy Flow Race	32
Adjusting the Easy Flow Race	32
Using the Removable Panels	33
Using the Emergency Exit	34
Scale Platform Installation	35
Rolling Door Switch	37
Collapsible Forcing Pen	41
Operating Guidelines	41
Using the 3E BudFlow Forcing Pen	41
Using the Standard Forcing Pen	42
Recommended Maintenance	42
Maintenance Safety	43
Regular Maintenance	43
Hydraulic Maintenance	44
Power Pack Maintenance	44
Hydraulic Jack Maintenance	44
Battery Maintenance	45
Battery Replacement	45
Wheel Maintenance	45
Troubleshooting Guide	46
Cattle Crush	46
107 Series Power Pack Troubleshooting	46
Hydraulic Jacks	46
Manual Jacks	47
Recommended Use	48
Warranty	48

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.

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 are 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.



WARNING: READ BELOW BEFORE OPERATION.

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

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** enter the vet cage until the animal is secured in the yoke gate.
4. **DO NOT** stand in front of the yoke gate while operator is moving the cattle through the cattle crush.
5. **DO NOT ALLOW CHILDREN UNDER THE AGE OF 18 NEAR AN OPERATING MACHINE.**
6. Follow safe cattle handling procedures in other areas of the yard so that cattle are more docile.
7. **DO NOT** make any modifications to Arrowquip equipment. Non-factory modifications to the equipment can reduce the safety for the operator & livestock, and void warranty.

8. **DO NOT ALLOW CHILDREN UNDER THE AGE OF 18 TO USE THE HYDRAULIC EQUIPMENT.**
9. **DO NOT OPERATE HYDRAULICS WHILE OPERATORS ARE WORKING WITH THE CATTLE IN THE CRUSH OR ARE TOUCHING THE CRUSH. REACHING OUT OR INTO THE CRUSH WHILE HYDRAULICS ARE IN OPERATION CAN RESULT IN SERIOUS INJURY.**
10. Please ensure that all hydraulic hoses and electrical leads are out of the way and safely positioned before moving cattle or using the crush.
11. Keep a distance of more than an arm's length from the hydraulic crush while hydraulics are in operation.

RISK ASSESSMENT

Conduct a risk assessment on procedures for which the equipment is used and establish a safe work procedure.

1. Ensure all users of the equipment have been inducted and comply with safe working procedure.
2. Ensure that the equipment is on firm, level ground.
3. Ensure that there are **NO** hazardous hydraulic cords or large objects within or around the equipment where cattle and operator will be.
4. Please ensure that all hydraulics work properly before putting cattle through the crush.
5. Please make sure that all hydraulic hoses are properly secured to the hydraulic pump or tractor.
6. Ensure that the hydraulic controls are functioning properly. Specifically ensure that the adjustable side mechanism and the yoke gate are adjusting smoothly.
7. If hydraulics do not function properly when testing the equipment, **DO NOT** put cattle through the crush.
8. Ensure that access gates are closed securely before running cattle through the crush.
9. Some chemicals and medicines can damage powder coat. Take all precautions and wash after use.
10. Make sure your equipment has been cleared of **ALL** livestock after use.
11. Some chemicals and medicines can damage powder coat. Take all precautions and wash after use.
12. Maximum towing speed 40km/25mph
13. Maintain tire pressure of 80 psi.
14. Check wheel lug nuts after 10, 25, 50 miles of use, ensure torqued to 120 ft. lbs.
 - a. This applies to first time use and wheel changes.

TRANSPORTING THE Q-POWER 107 SERIES MOBILE WORKING SYSTEM



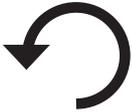
WARNING: FOLLOW ALL INSTRUCTIONS OUTLINED HEREIN CAREFULLY TO ENSURE OPERATOR SAFETY WHEN SETTING UP FOR USE OR TRANSPORT.

Requirements:

- Level ground
- 2 people

REFERENCE FOR MANUAL JACKS

Your unit will either come with manual or hydraulic jacks, with both represented in this manual. For manual jack control, refer below:



JACK UP

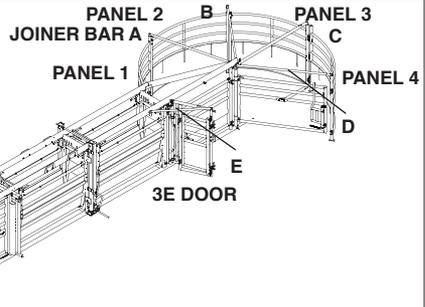


JACK DOWN

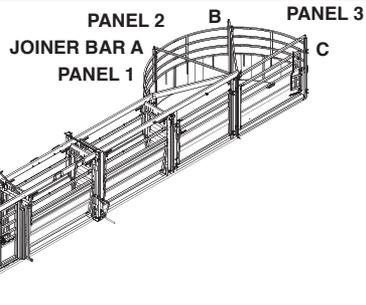
REFERENCE FOR FORCING PEN INSTRUCTIONS

Use this as a guide when folding and unfolding the collapsible forcing pen.

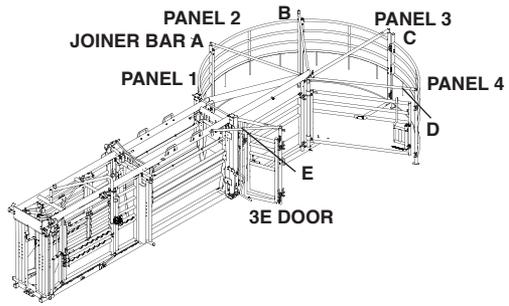
10718 - BUDFLOW



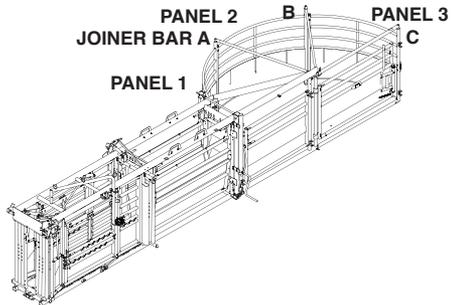
10718 - STANDARD FORCING PEN



10708 - BUDFLOW



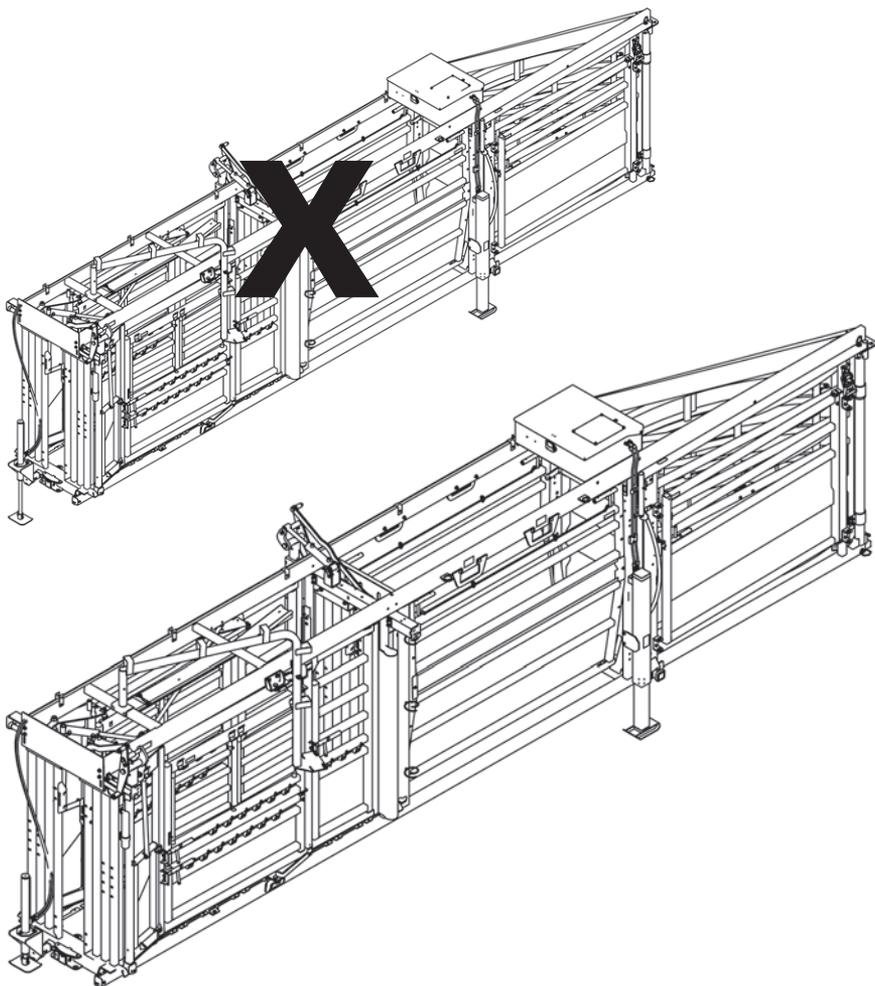
10708 - STANDARD FORCING PEN



OPERATION GUIDE FOR HYDRAULIC JACKS

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

1. Control pendant has two buttons **UP** and **DOWN** which control both the main jacks at the back of the unit and the front hitch jack. There is a selector valve to choose if you are operating the front or back jacks. Refer to decal for directions.
2. When crush is not attached to a vehicle, lower to the ground for safety.
3. Only lift the unit from firm, level ground.
4. Never raise the unit more than is necessary to put the tires on.

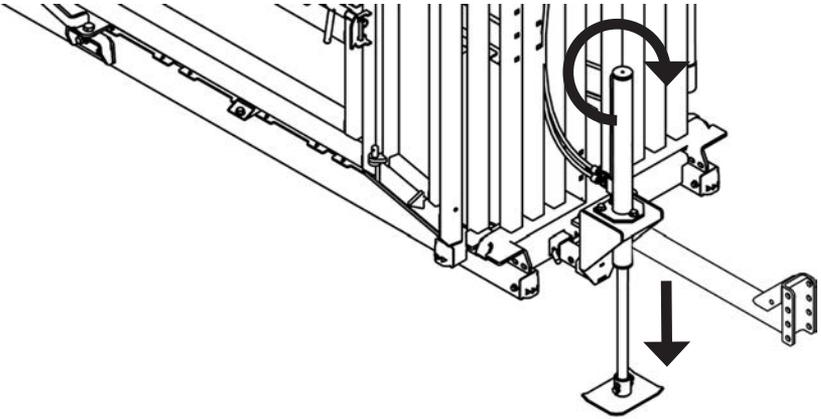


If you have any questions, please contact Client Care at 01530 632002 for assistance.

TO LOWER THE UNIT FOR USE:

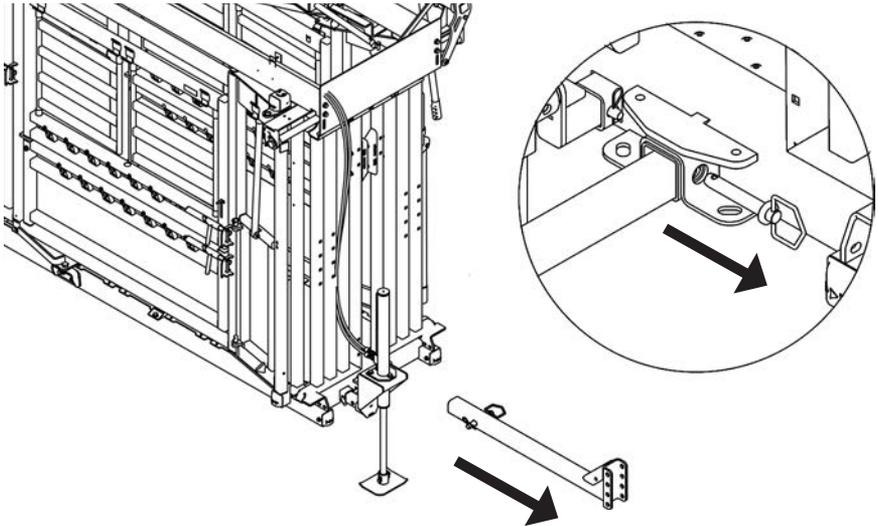
Removing Tires

- 1 Extend front jack to support crush using **UP** button / front jack handle.

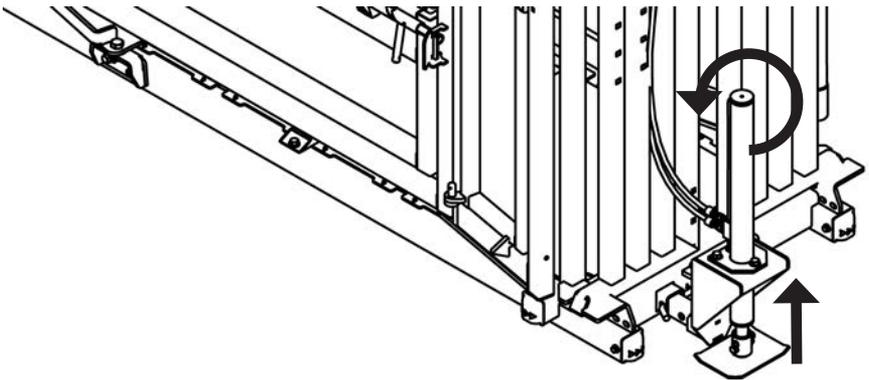


- 2 Detach crush from towing vehicle.

- 3 Remove hitch and set aside.

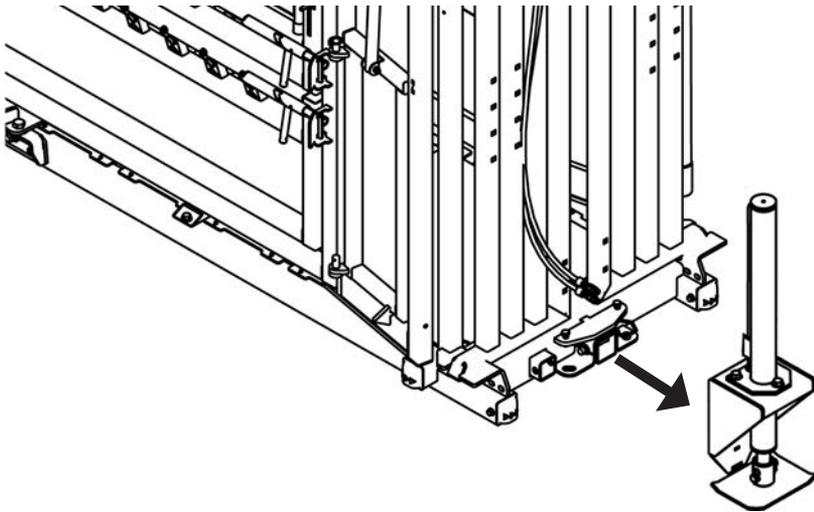


- 4** Retract front jack using **DOWN** button / front jack handle until the crush rests on the ground.



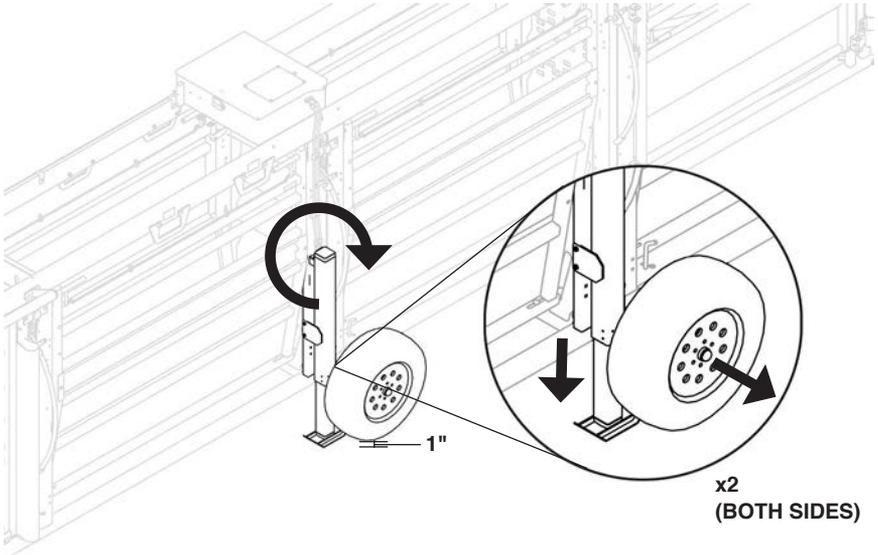
CRUSH SECTION MUST BE FLAT ON THE GROUND BEFORE PROCEEDING.

- 5** Remove front jack and place aside.

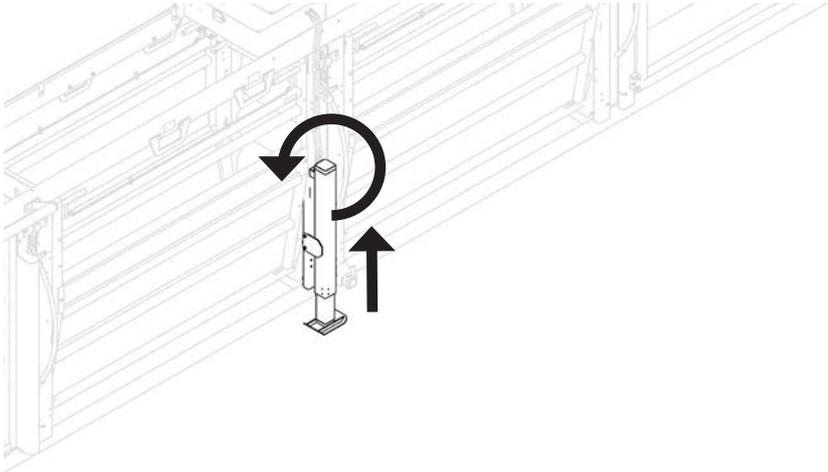


6 Extend rear jacks using **UP** button / rear jack handle until tires are 1" off the ground.

7 Remove tires.



8 Retract rear jacks to set the unit on the set the unit on the ground until they stop using **DOWN** button / rear jack handle.



NEXT STEPS

If your unit has a collapsible forcing pen (10718, 10718-BF, 10708, 10708-BF), proceed to **UNFOLDING THE COLLAPSIBLE FORCING PEN.**

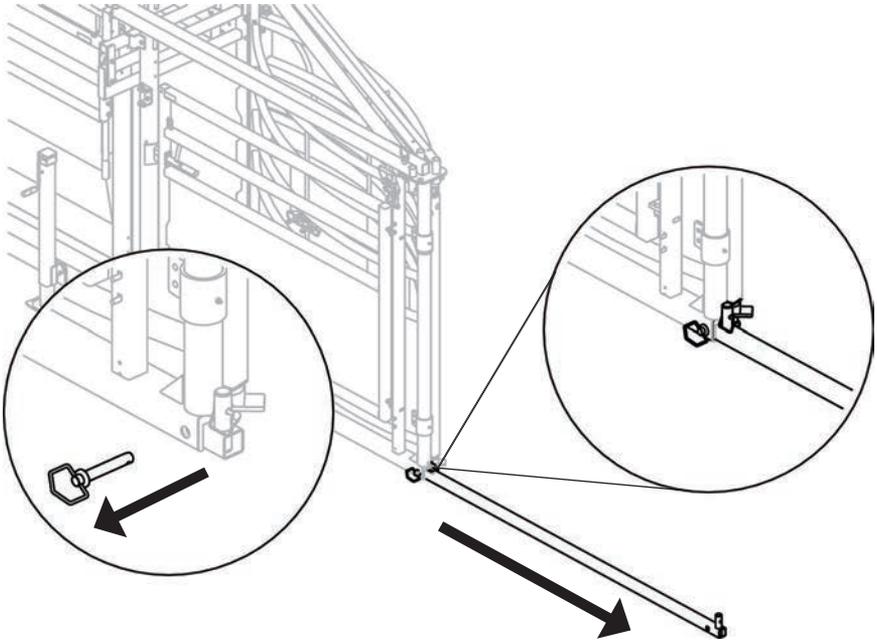
If your unit does not have a collapsible forcing pen (1078), proceed to **OPERATING THE Q-POWER 107 SERIES [PAGE 27].**

UNFOLDING THE COLLAPSIBLE FORCING PEN (APPLICABLE FOR 10718, 10718-BF, 10708, 10708-BF MODELS)



IF YOU HAVE DIFFICULTY UNFOLDING YOUR FORCING PEN, LIFT THE UNIT A FEW INCHES OFF THE GROUND AND SET DOWN IMMEDIATELY ONCE COMPLETED.

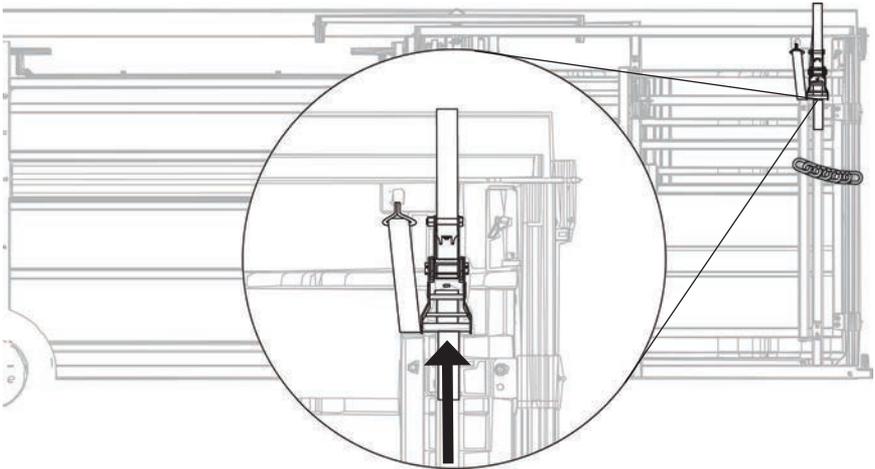
- 1** Remove the pin and pull out the bottom joiner bar. Secure with the same pin.



2 Loosen the ratchet strap and safety chain. Set aside.



WARNING: HOLD THE PANELS WHILE RELEASING THE STRAP TO PREVENT THE FORCING PEN FROM UNFOLDING UNINTENTIONALLY.

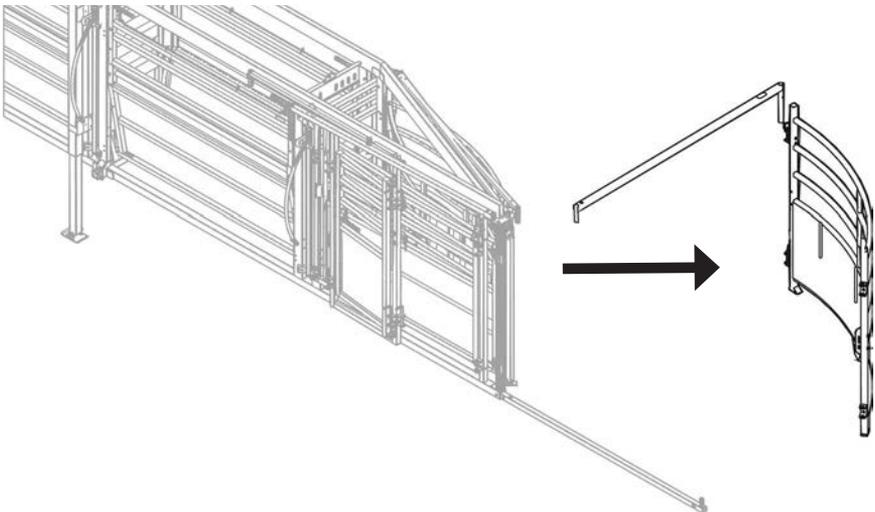


FOR STANDARD FORCING PENS, PROCEED TO [PAGE 13].

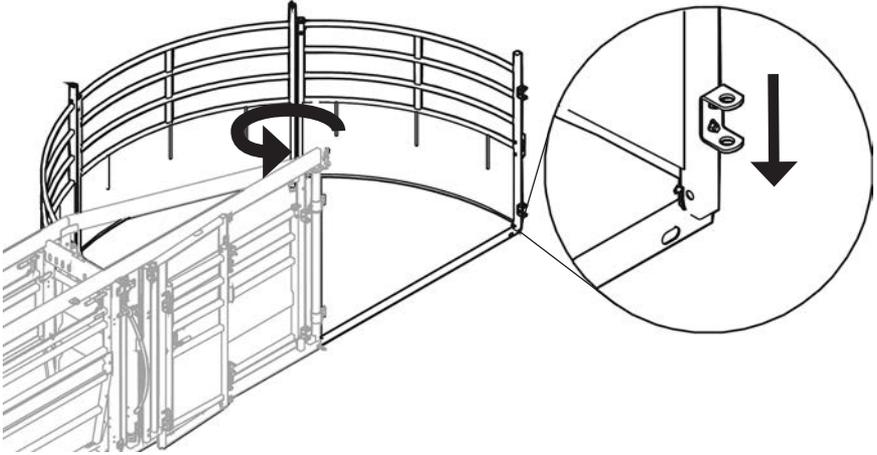
3E BUDFLOW FORCING PENS

For 3E BudFlow forcing pens, continue with these steps:
(APPLICABLE FOR 10718-BF AND 10708-BF MODELS)

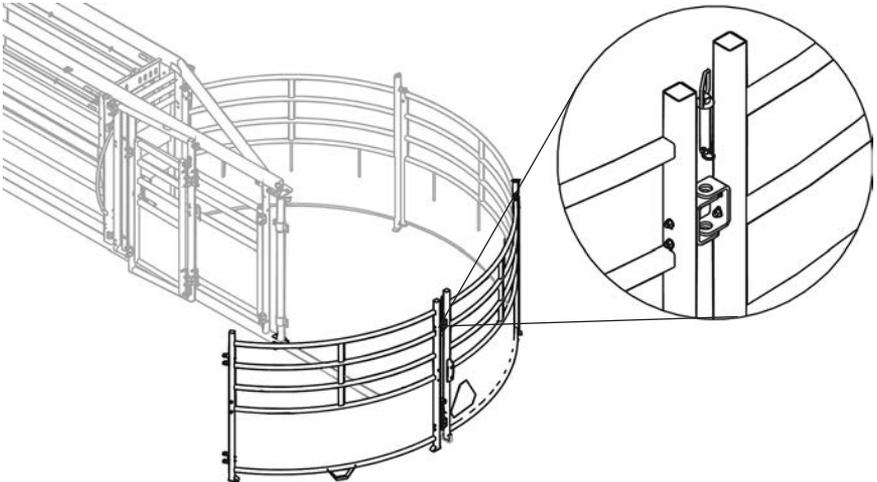
1 Set aside panel 4 and joiner bar C.



2 Unfold panels 1-3 and attach to the bottom joiner bar.

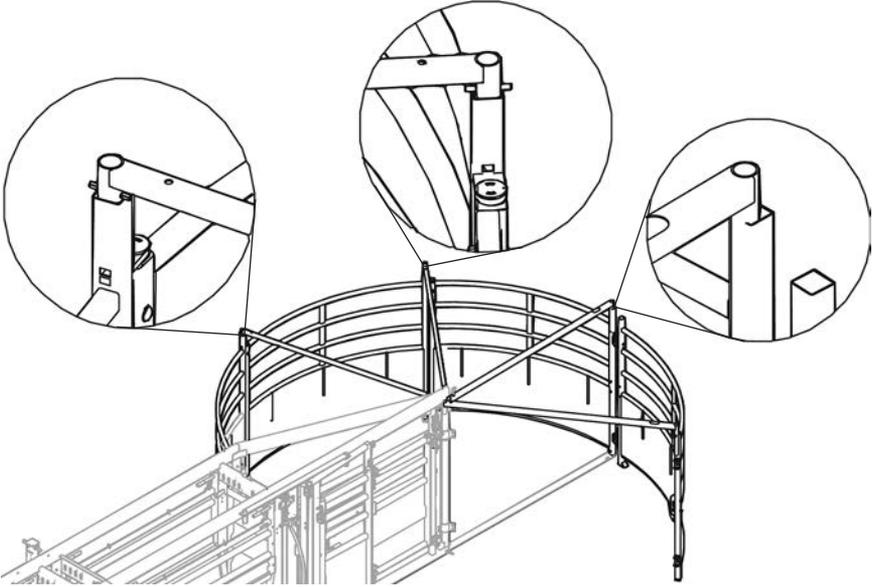


3 Attach panel 4 to panel 3.

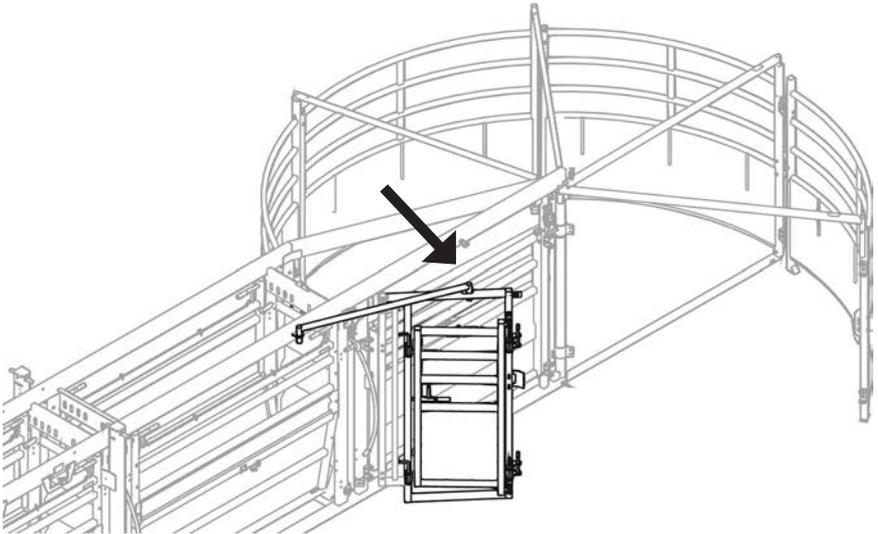


4 Connect top joiner bars A, B, C, & D to panels 1, 2, 3 and 4 as shown.

TIP: Lower the unit to line up top joiner bars with panels



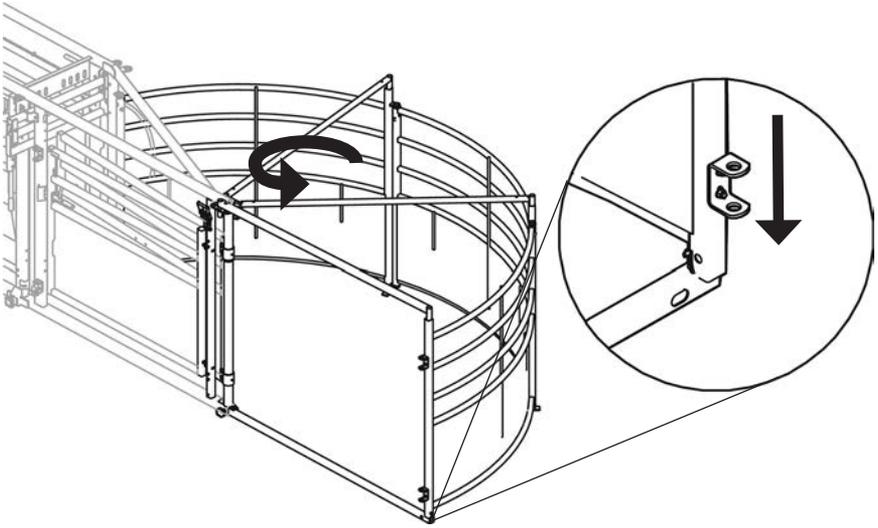
5 Fold out the 3E door and secure with joiner bar E. Set aside transport pins.



STANDARD FORCING PENS

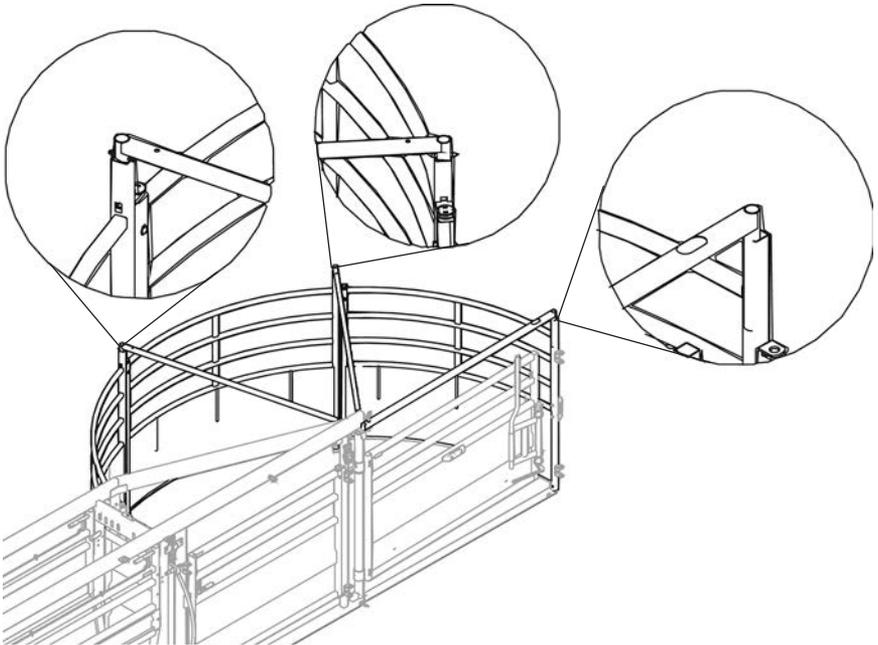
For standard forcing pens, continue with these steps:
(APPLICABLE FOR 10718 AND 10708 STANDARD FORCING PEN MODELS)

- 1 Unfold panels 1-3 and attach to the bottom joiner bar.



- 2 Connect top joiner bars A, B, and C to panels 1, 2 and 3 as shown.

TIP: Lower the unit to line up top joiner bars with panels

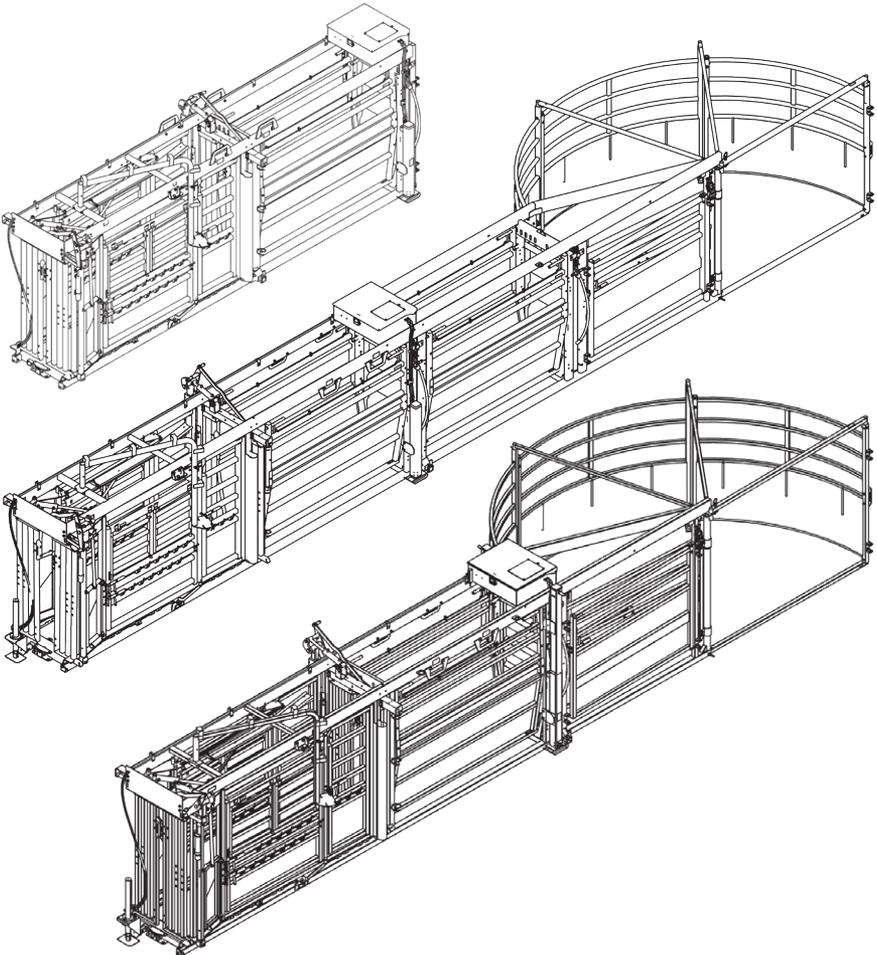


STOP

SAFETY CHECK:

- ✓ Inspect for damages due to transport
- ✓ Yoke gate and squeeze mechanisms are functioning properly
- ✓ All latches on doors, gates, and panels are functioning properly
- ✓ All joiner bars are locked into place
- ✓ When applicable, all add-ons are properly installed and functioning

READY FOR USE



TO RAISE UNIT FOR TRANSPORT:

STOP

SAFETY CHECK:

- ✓ All animals have been removed from the unit.
- ✓ The unit must be flat on the ground before proceeding.

If your unit does not have a collapsible forcing pen (1078), proceed to

INSTALLING TIRES [PAGE 23].

If your unit has a collapsible forcing pen (10718, 10718-BF, 10708, 10708-BF), proceed to

FOLDING THE COLLAPSIBLE FORCING PEN.

FOLDING THE COLLAPSIBLE FORCING PEN

3E BUDFLOW FORCING PENS

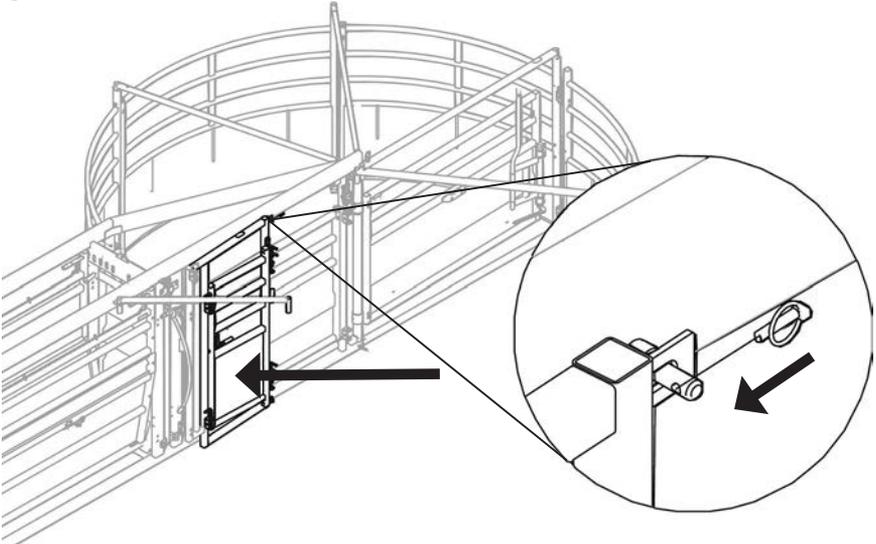
For 3E BudFlow forcing pens, continue with these steps:
(APPLICABLE FOR 10718-BF AND 10708-BF MODELS)

If you have a standard forcing pen model (10718 or 10708), proceed to [PAGE 20].

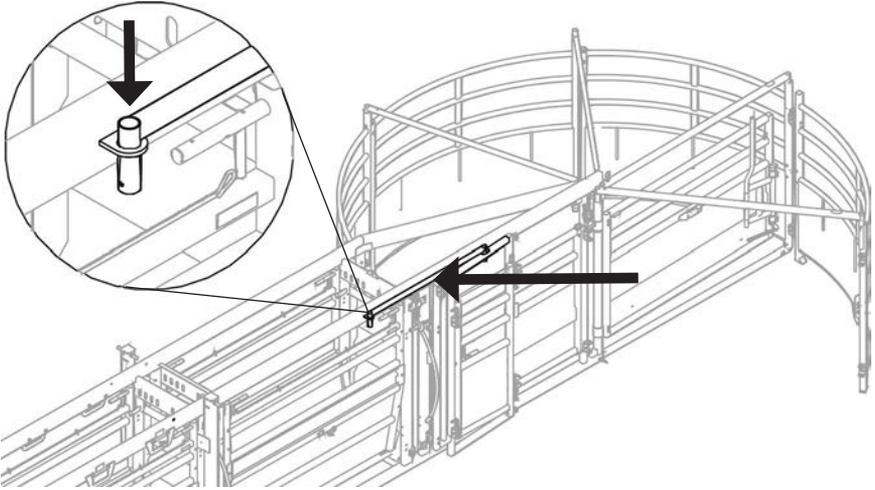


**IF YOU HAVE DIFFICULTY FOLDING YOUR FORCING PEN,
LIFT THE UNIT A FEW INCHES OFF THE GROUND AND SET
DOWN IMMEDIATELY ONCE COMPLETED.**

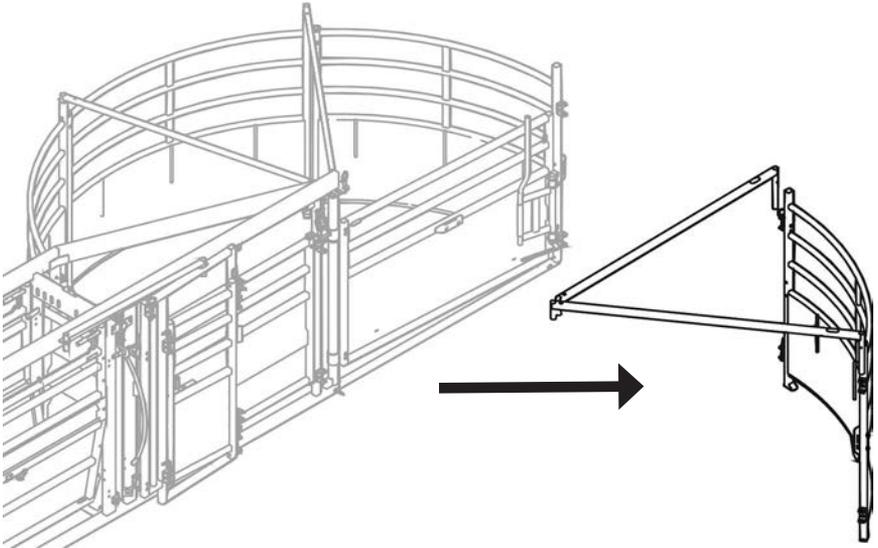
1 Fold the 3E door to transport position and secure with the pin.



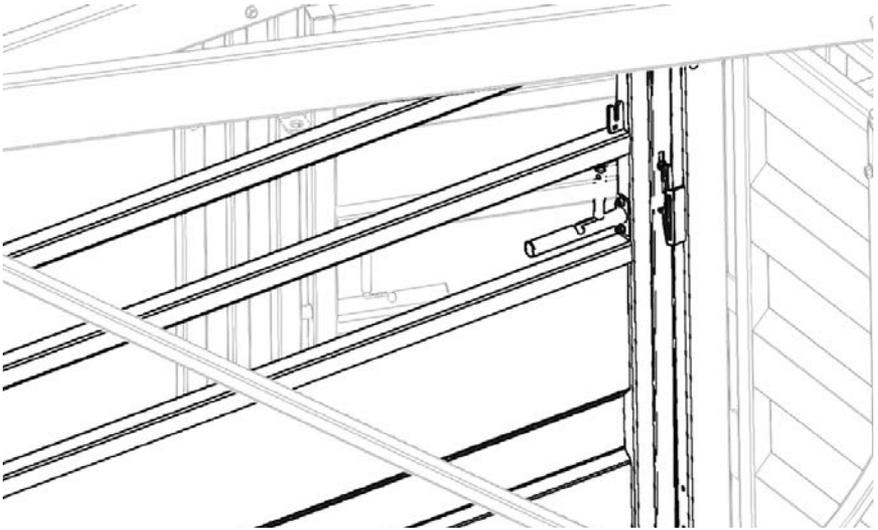
2 Return joiner bar E to its holder and secure with the pin.



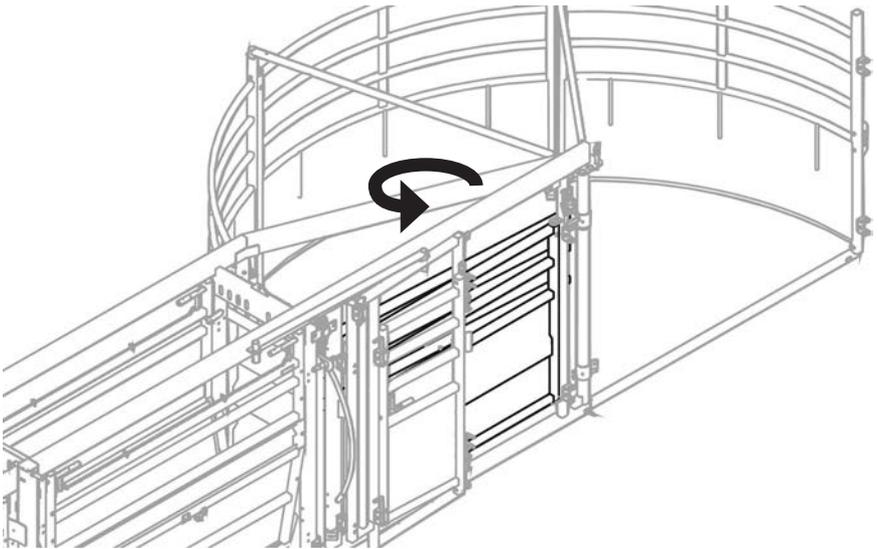
3 Set aside panel 4 and joiner bars C & D.



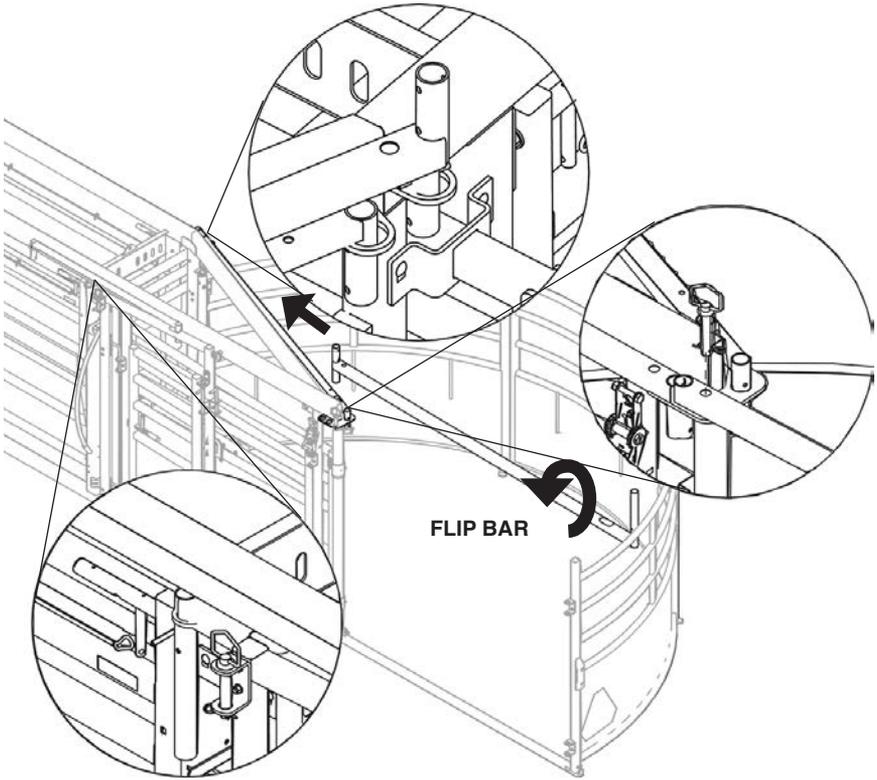
4 Latch the swing gate to the left-hand side of the rolling door.



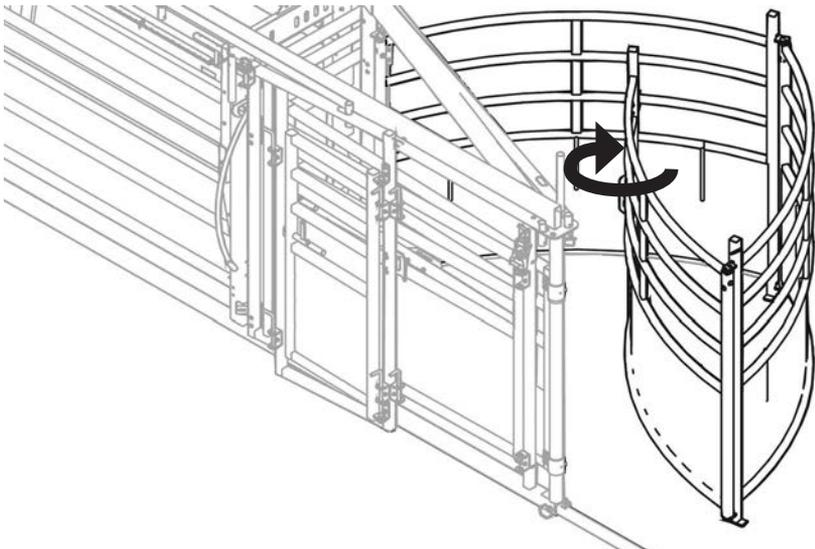
5 Push the crowd gate against the swing gate.



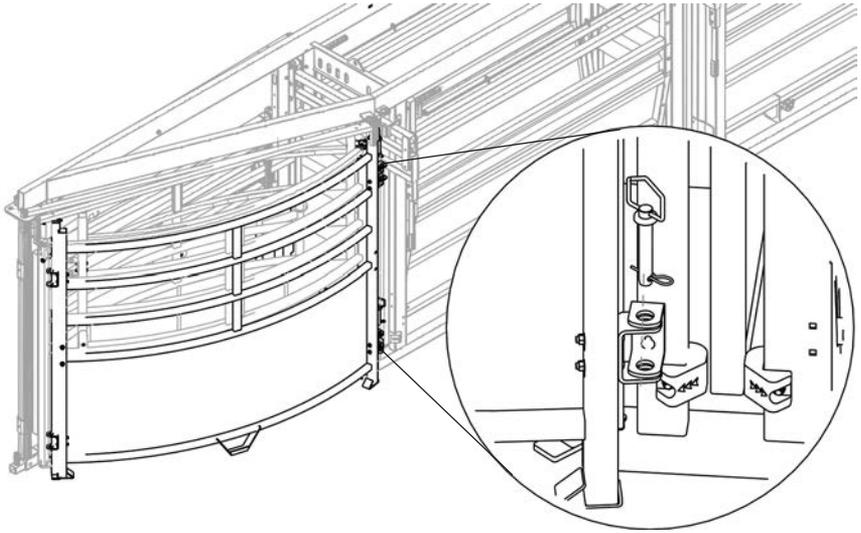
6 Return top joiner bars A, B, C, & D to their respective holders.



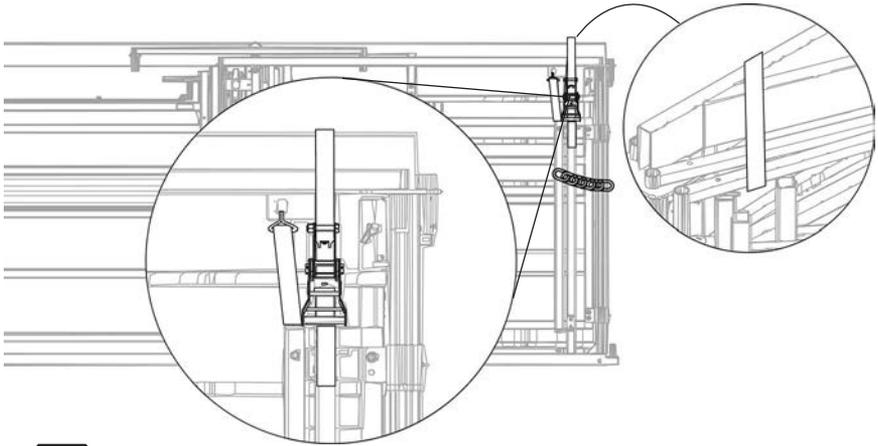
7 Fold panels 1-3 inward as shown.



- 8** Return panel 4 to transport position and secure with the pins.



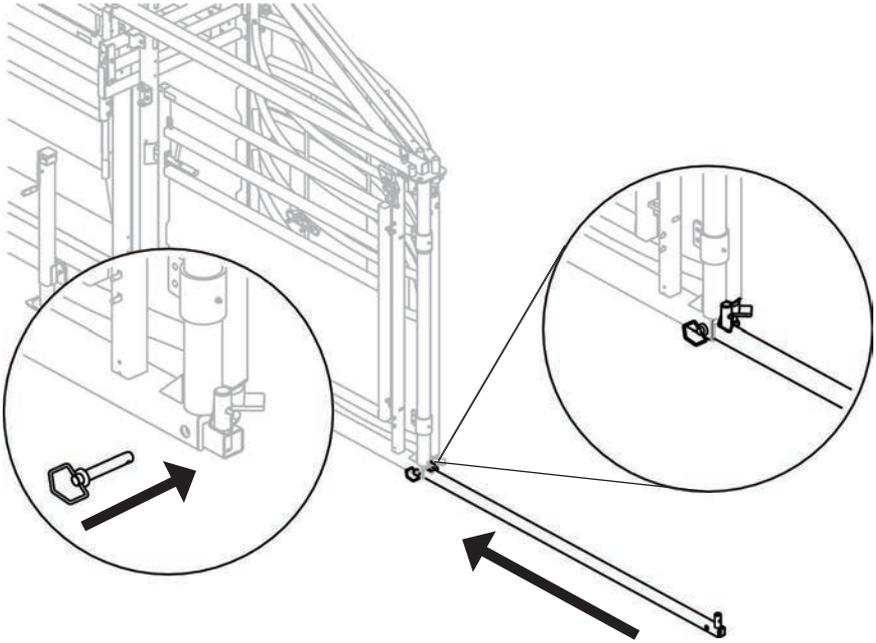
- 9** Secure the panels with the ratchet strap and transport chain as shown.



STOP

TIGHTEN THE RATCHET STRAP TO PREVENT PANELS FROM SAGGING DURING TRANSPORT.

10 Retract the bottom joiner bar and secure with the pin.

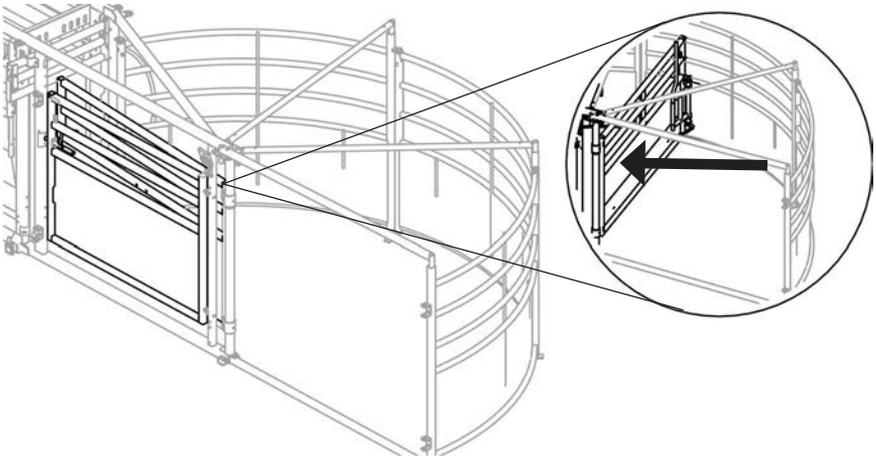


11 Proceed to **INSTALLING TIRES** [PAGE 23]

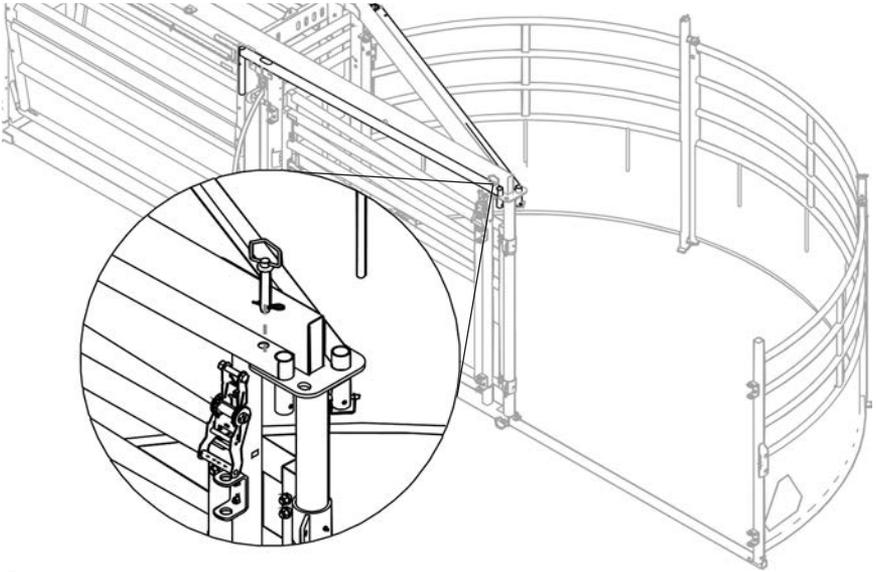
STANDARD FORCING PENS

**FOR STANDARD FORCING PENS, CONTINUE WITH THESE STEPS.
(APPLICABLE FOR 10718 AND 10708 STANDARD FORCING PEN MODELS)**

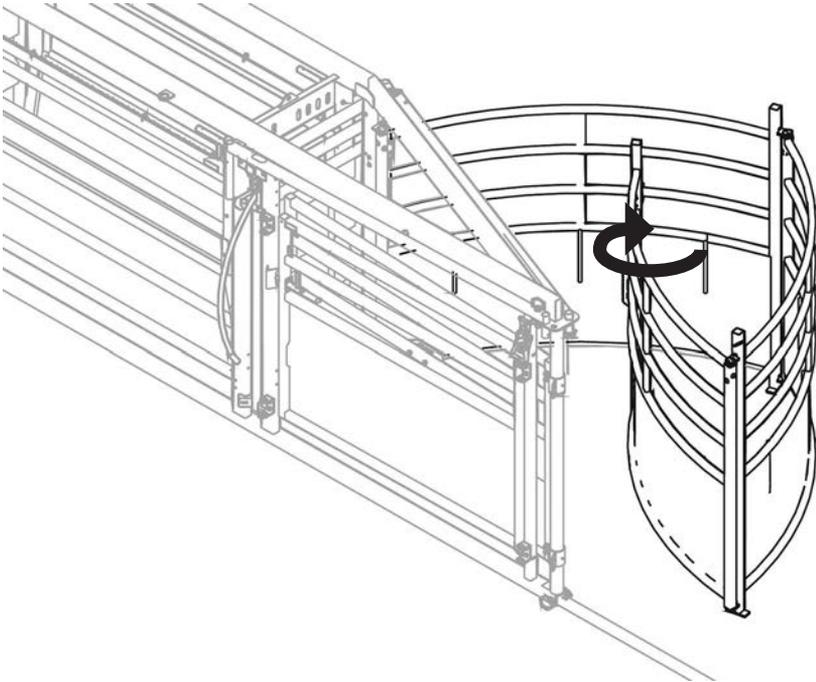
1 Push the crowd gate against the swing gate.



- 2** Return top joiner bars A, B, & C to their respective holders. Secure joiner bar C with the transport pin.



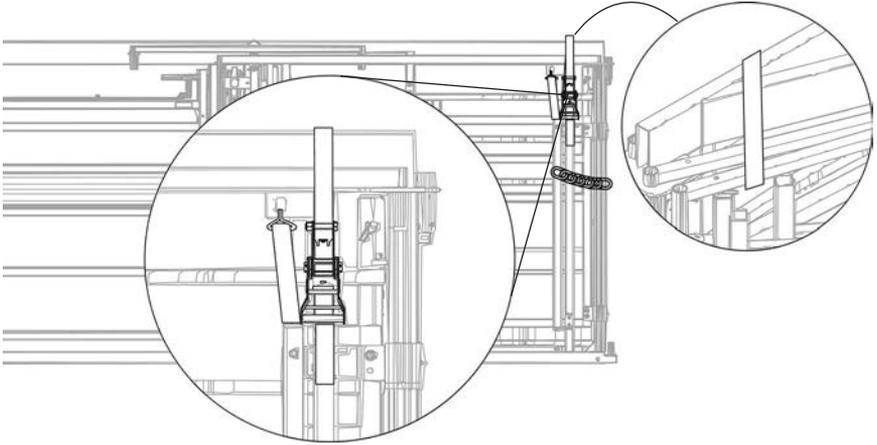
- 3** Fold panels 1-3 inward as shown.



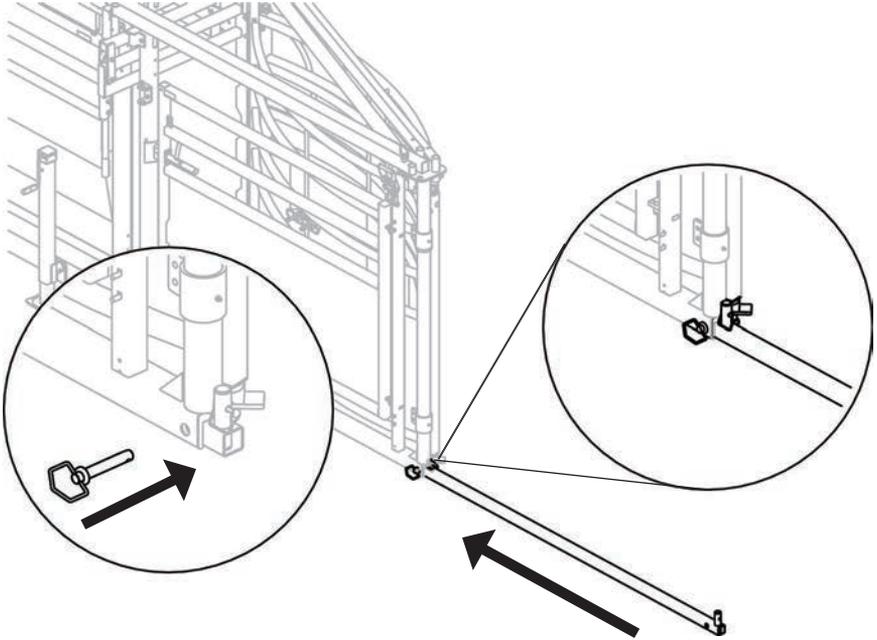
4 Secure the panels with the ratchet strap and transport chain as shown.

STOP

TIGHTEN THE RATCHET STRAP TO PREVENT PANELS FROM SAGGING DURING TRANSPORT.



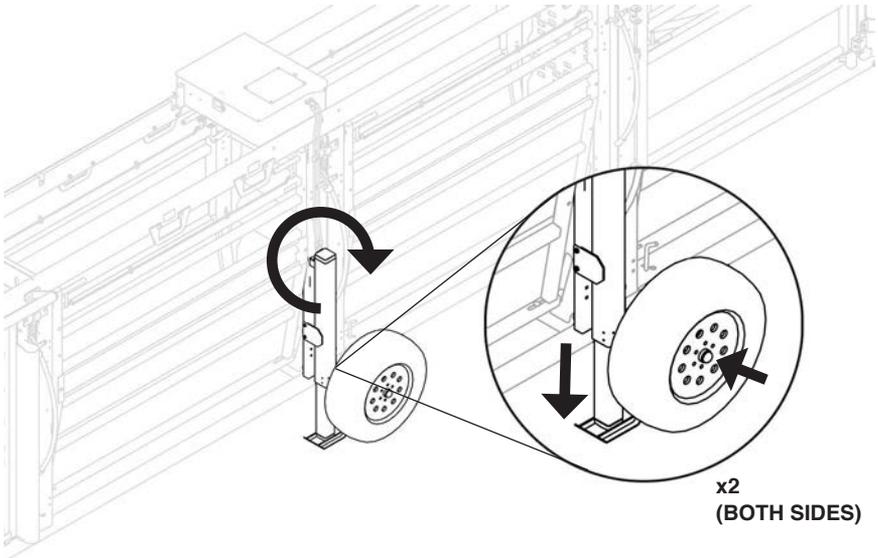
5 Retract the bottom joiner bar and secure with the pin.



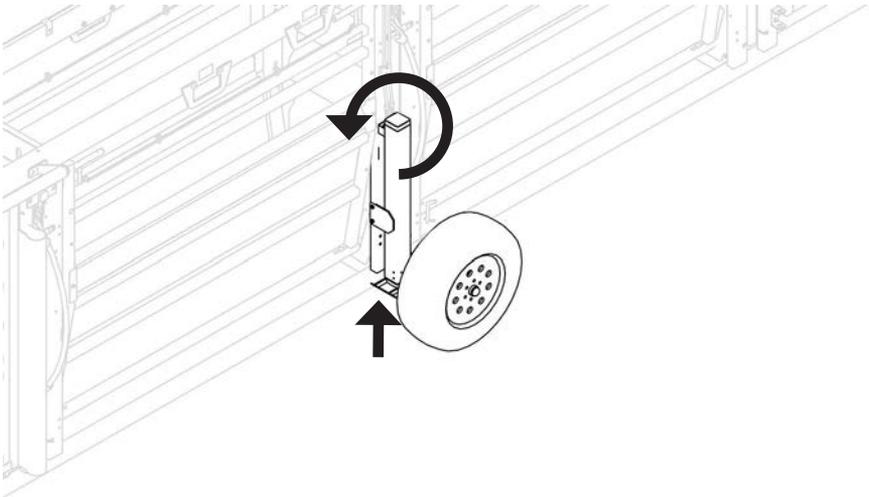
6 Proceed to **INSTALLING TIRES**.

INSTALLING TIRES

- 1 Extend rear jacks to lift the unit off the ground until it is high enough to attach the tires. Using the **UP** button / rear jack handle.
- 2 Attach tires.

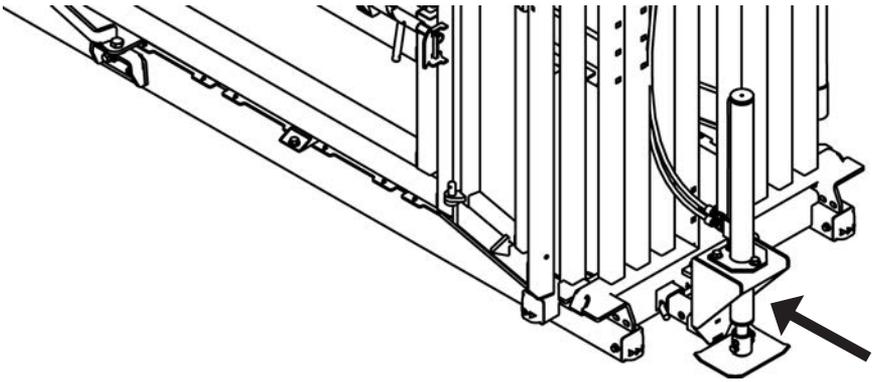


- 3 Retract rear jacks using **DOWN** button / rear jack handle until they stop.

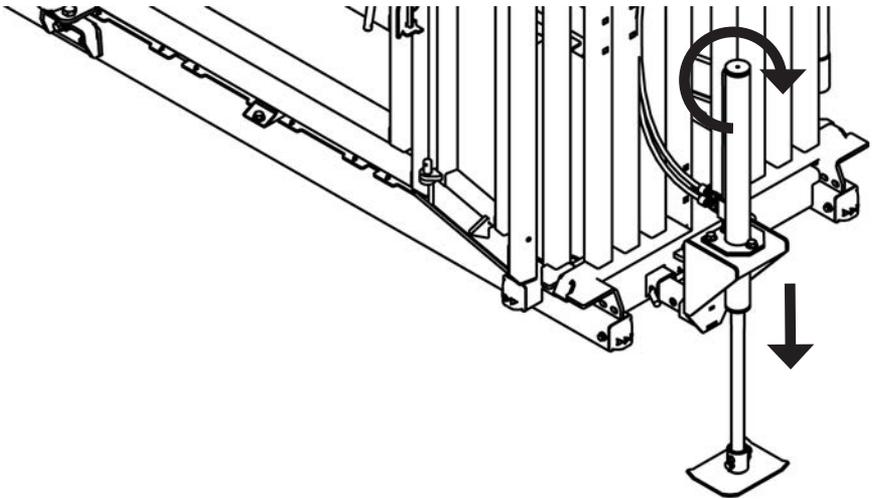


ENSURE THAT THE REAR JACK IS COMPLETELY RETRACTED BEFORE PROCEEDING.

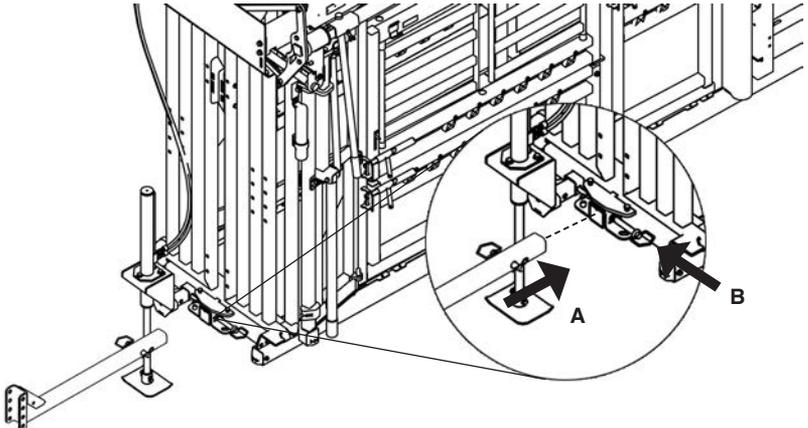
4 Attach front jack.



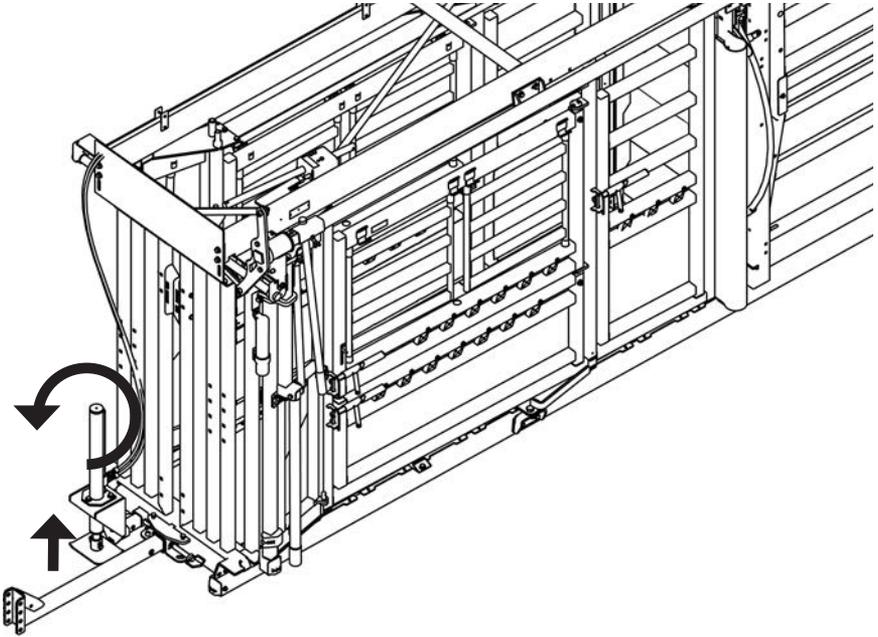
5 Extend front jack using **UP** button / front jack handle to lift chute.



6 Install the hitch and secure with pin.



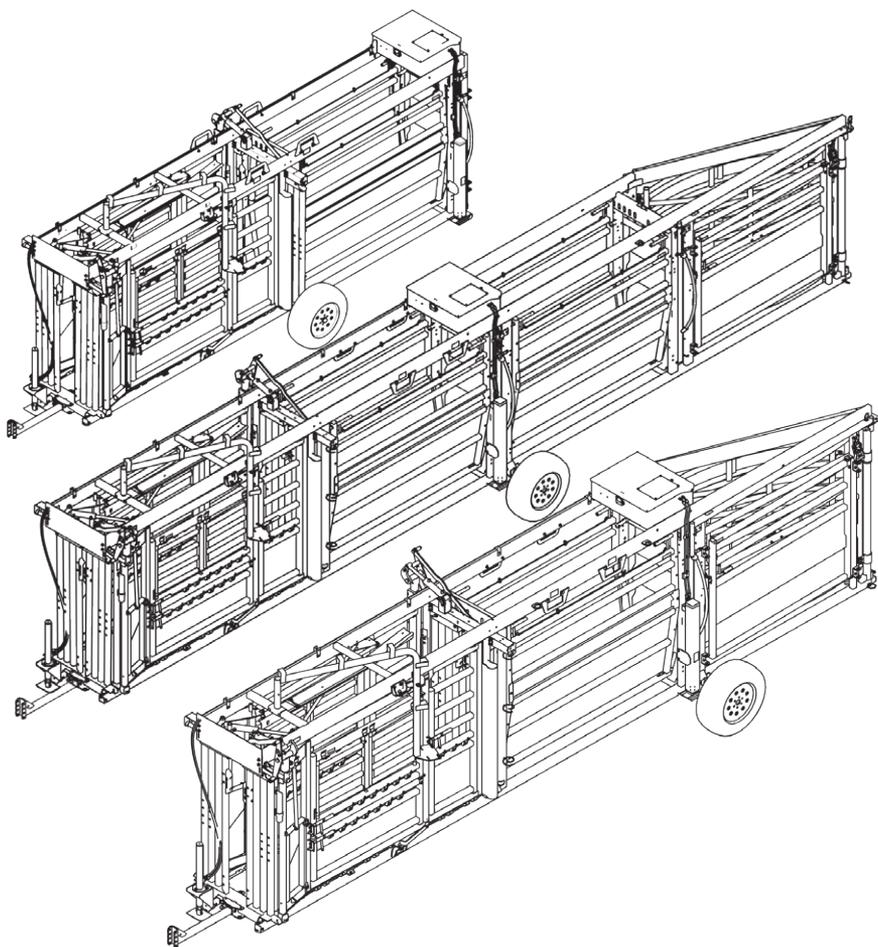
- 7** Attach the unit to the towing vehicle. Adjust the hitch to the proper position for the vehicle, if necessary.
- 8** Retract front jack using **DOWN** button / front jack handle until it stops.



STOP

SAFETY CHECK:

- ✓ All loose parts are secured including panels and joiner bars
- ✓ All doors and gates are latched
- ✓ Jacks are retracted completely
- ✓ Tires are in good condition



USING THE Q-POWER 107 SERIES CATTLE CRUSH

This section contains:

- Q-Power 107 Series Hydraulic Squeeze Crush Assembly
- Operating the Q-Power 107 Series
- Power Failure
- Cold Start
- Q-Power 107 Series Add-Ons

Q-POWER 107 SERIES HYDRAULIC SQUEEZE CRUSH ASSEMBLY

Your crush will come fully assembled with the options you have ordered already fitted to the crush. However, it will be necessary to connect the hydraulic crush to a power source. The following guide will assist you in properly setting up your crush for use.



DO NOT ATTEMPT TO CONNECT THE ELECTRIC POWER PACKS IF YOU ARE NOT A CERTIFIED ELECTRICIAN.

A certified electrician is required to connect the Electric Power Pack to your unit. For full details on installation, refer to the Power Pack manual by scanning the QR Code on your phone below.

Q-POWER 107 SERIES



Q-POWER 104 SERIES



OPERATING THE Q-POWER CATTLE CRUSH

STOP

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

1. Ensure the yoke gate, rear gate, and all access points are closed before the animal enters the crush.
2. Open rear gate for the animal to enter the cattle crush enclosure.
3. Close rear gate.
4. Open yoke gate slightly more than the neck size of the animal to tempt the animal to stick its head through the yoke gate. When neck of animal is in the correct position, quickly close the yoke 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 yoke 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.

COLD START

When locked in the up position, the cold start allows the oil to circulate within the power pack to warm the oil, allowing for faster flow rate to the crush in cold climates.

When locked in the down position, it is engaged to run the crush.

POWER FAILURE

If you should experience a loss of power while you have an animal in the crush, please follow the instructions below:

1. Operate the hydraulic levers to allow fluid to flow out of the cylinders and release the pressure on the animal.
2. Check to make sure that the animal is free of any injury.

Q-POWER 107 SERIES ADD-ONS

3rd GENERATION Q-CATCH HEAD HOLDER

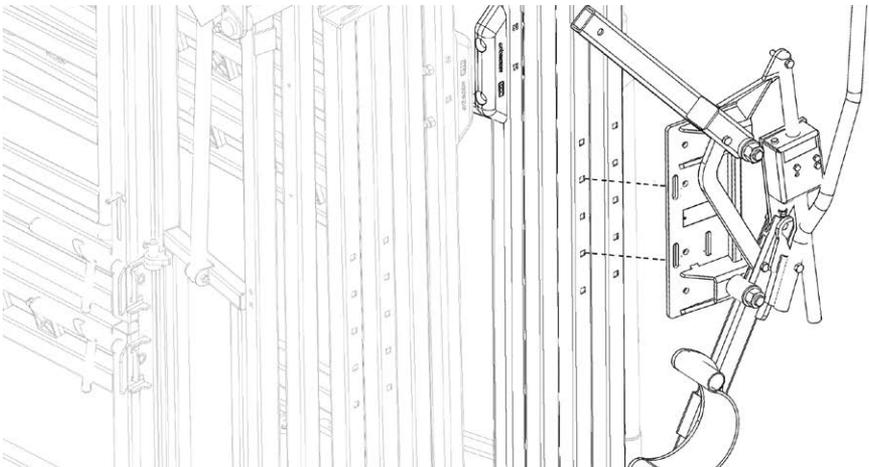
For complete information, read the Head Restraint manual.

REQUIREMENTS:

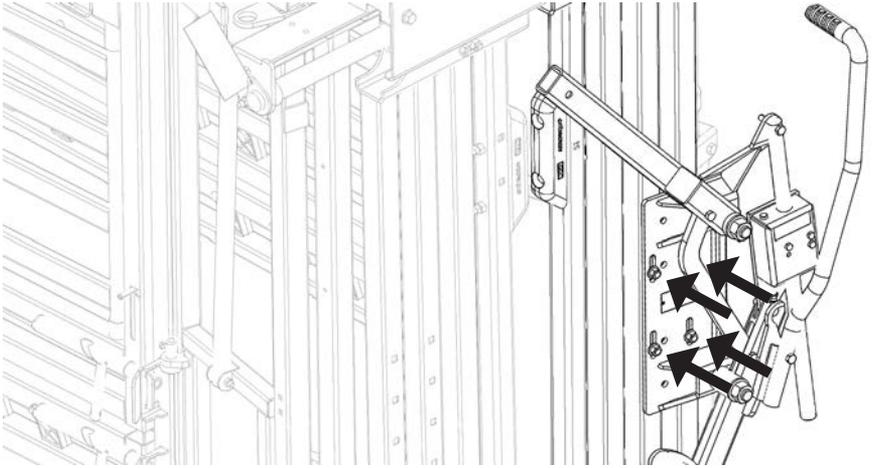
- 2 people
- 3/4" wrench

Installation:

- 1** a. Insert 4x1/2-13x3" carriage bolts through the head gate door from inside the chute.
b. Align the head holder to the slots in the head gate according to your desired height.



- 2** Secure the head holder with 4 bolts.



Safety Precautions:

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

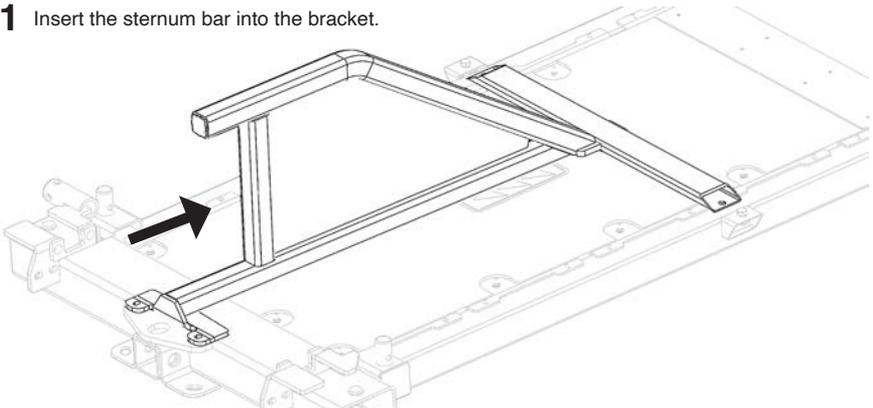
Maintenance:

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.

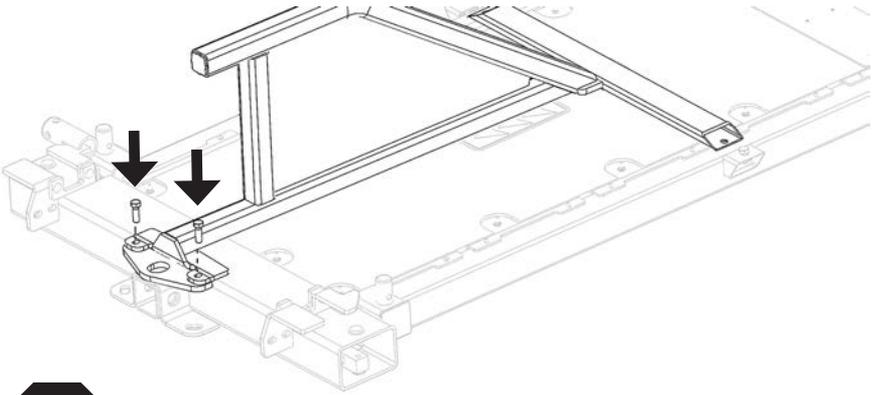
SHEETED STERNUM BAR

Installation:

- 1** Insert the sternum bar into the bracket.



2 Fasten bolts to front plate.



STOP

SAFETY CHECK:

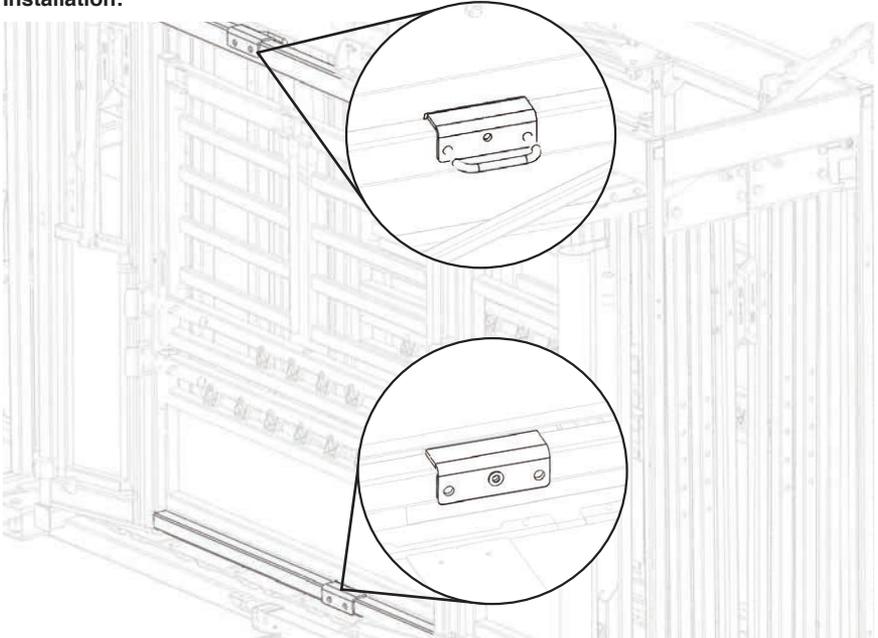
- ✓ Ensure that the sternum bar is installed correctly before running cattle through the crush.

Safety Precautions:

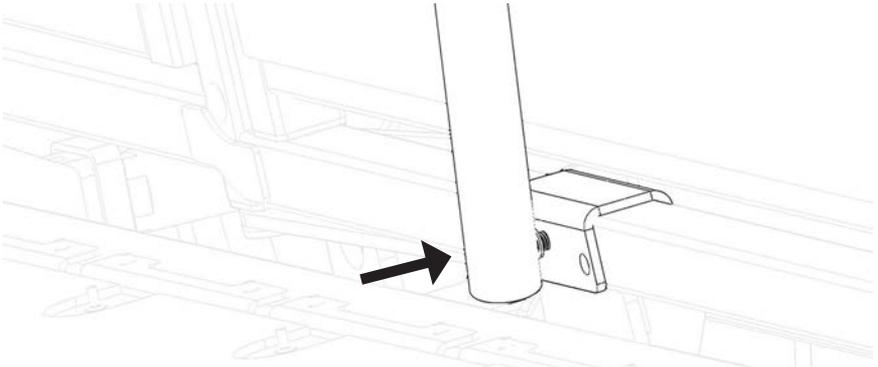
1. Remove the sternum bar when working calves.

CLIPPING RAIL

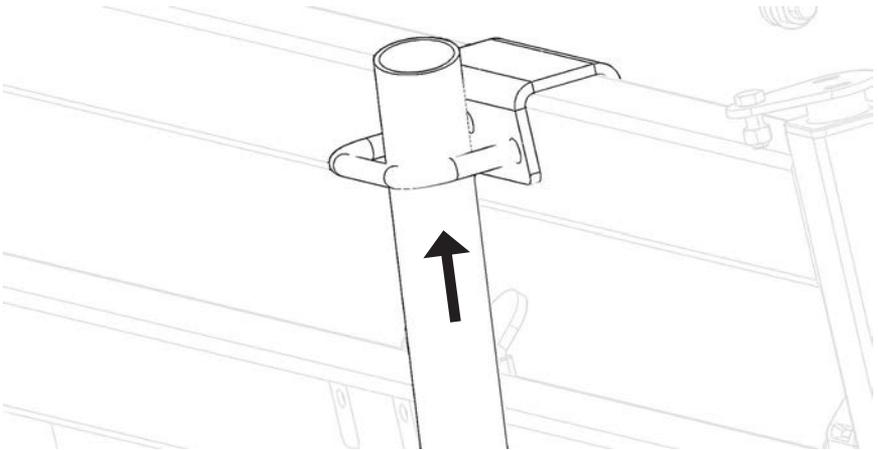
Installation:



- 2** Attach the clipping rail to the bottom bracket.



- 3** Insert the clipping rail into the top bracket.



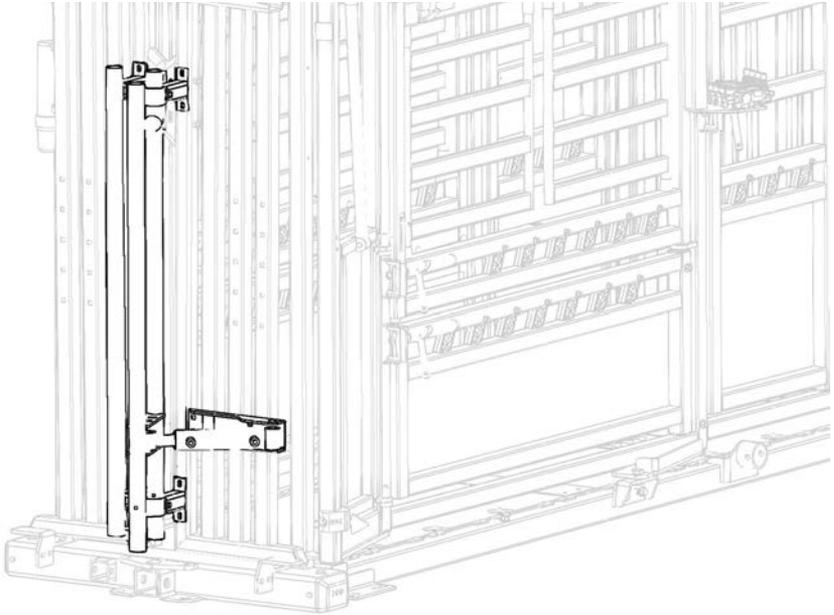
- 4** Adjust clipping rail position to your preference. Tighten bolts to secure.

Safety Precautions:

1. Ensure the clipping rail is installed and secured correctly before running cattle through the crush.

HYDRAULIC HEAD SWEEP

Your Q-Power Cattle Crush will come with the hydraulic head sweep installed. If you are having trouble with your hydraulic head sweep, follow the troubleshooting guide indicated in this manual.



EASY FLOW RACE

This section contains:

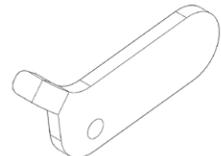
- Adjusting the Easy Flow Race
- Using the Removable Panels
- Using the Emergency Exit
- Scale Platform Installation
- Rolling Door Switch

ADJUSTING THE EASY FLOW RACE

STOP

ACTIVATE THE SAFETY LATCH BEFORE PROCEEDING.

Safety latches must be in place when adjusting the width of the race. 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.

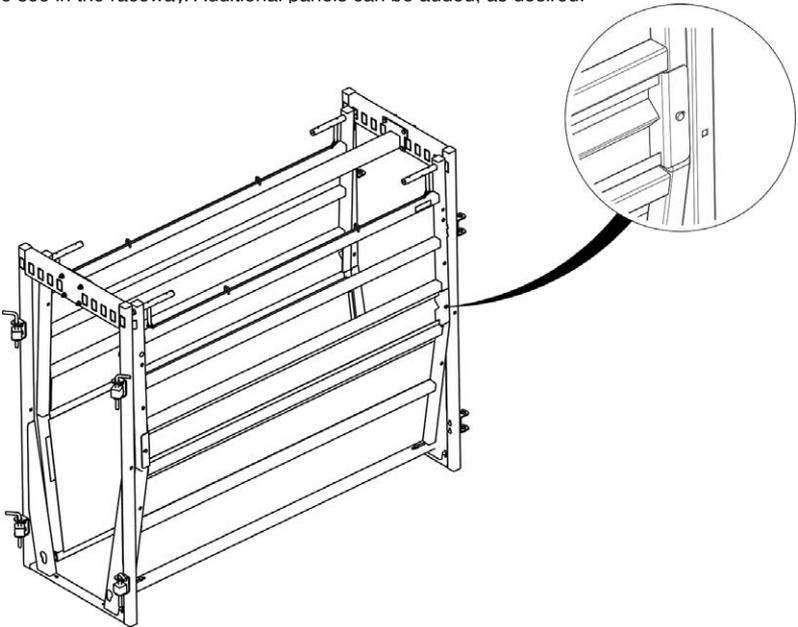


BOTH LATCHES SHOULD BE SECURELY FASTENED IN THE PARALLEL ADJUSTMENT SLOTS BEFORE PROCEEDING.

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 raceway. 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 race.

USING THE EMERGENCY EXIT

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

Watch the emergency exit demo here: youtu.be/4eVA-R1v1bo

Requirements:

- 2 people



DANGER! PANELS ARE VERY HEAVY AND WILL DROP WITH EXCESSIVE PRESSURE WHEN AN ANIMAL IS CONTAINED IN THE RACE. 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 race twice.
4. Deactivate the safety latch on the chosen exit side.



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 race and provide care, as necessary.
8. Once the animal is free of the race, lift the panel back into position and secure the slam latches.
9. Ensure both latches are securely fastened in parallel adjustment slots.



ACTIVATE THE SAFETY LATCH BEFORE PROCEEDING.

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

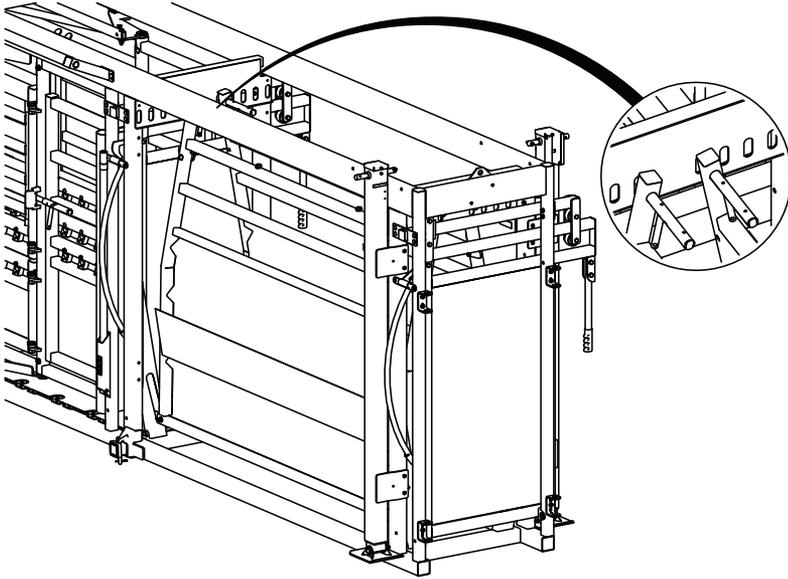
SCALE PLATFORM INSTALLATION

Requirements:

- 2 people

Installation:

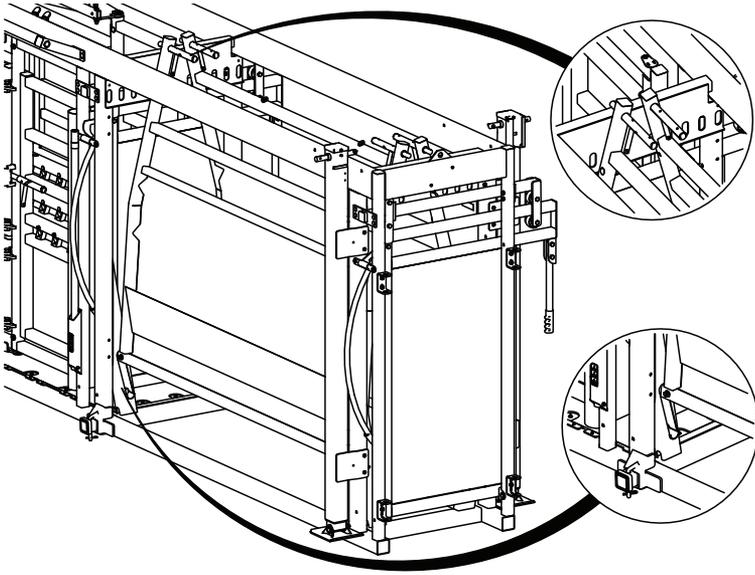
- 1 Adjust the race width to the narrowest setting.



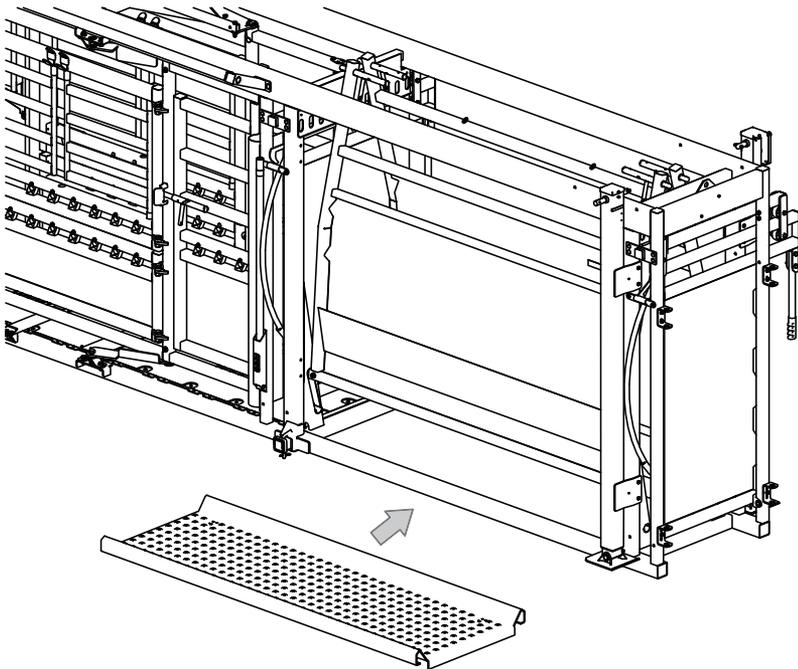
- 2 Lift the side panel and set the latch above the race bow. Repeat step for the opposite side panel.



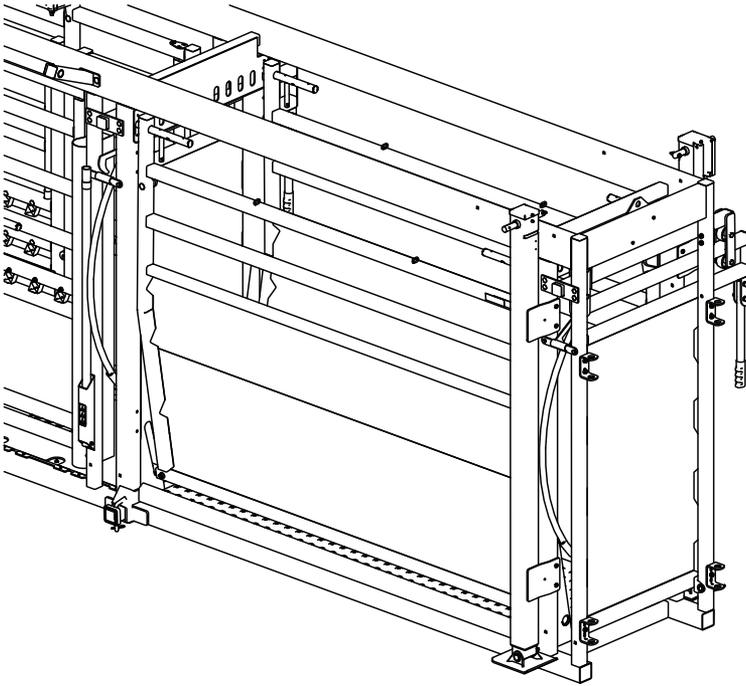
WARNING: THE PANELS ARE VERY HEAVY. YOU WILL NEED AT LEAST 2 PEOPLE TO LIFT EACH PANEL.



3 Slide Scale Platform underneath.



- 4** Lower the side panels back to working position.



Safety Precautions:

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

ROLLING DOOR SWITCH

REQUIRED TOOLS:

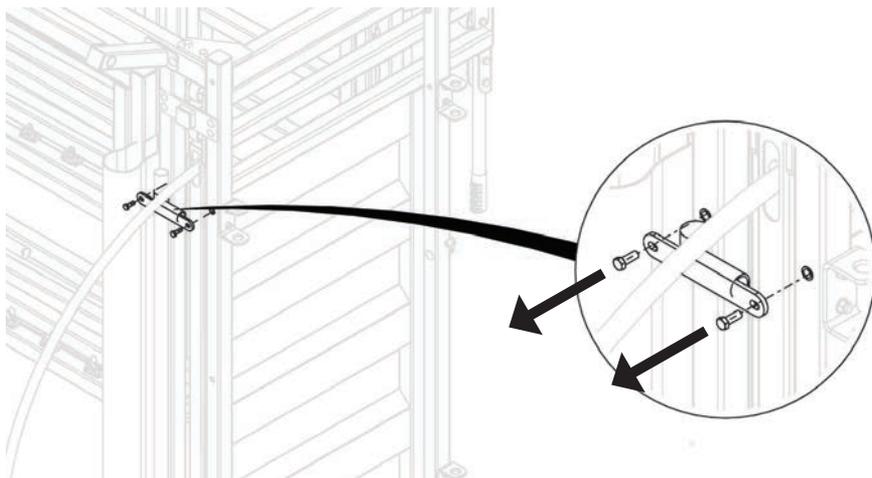
- 9/16" wrench
- 2x 3/4" wrench

LEFT-HAND TO RIGHT-HAND

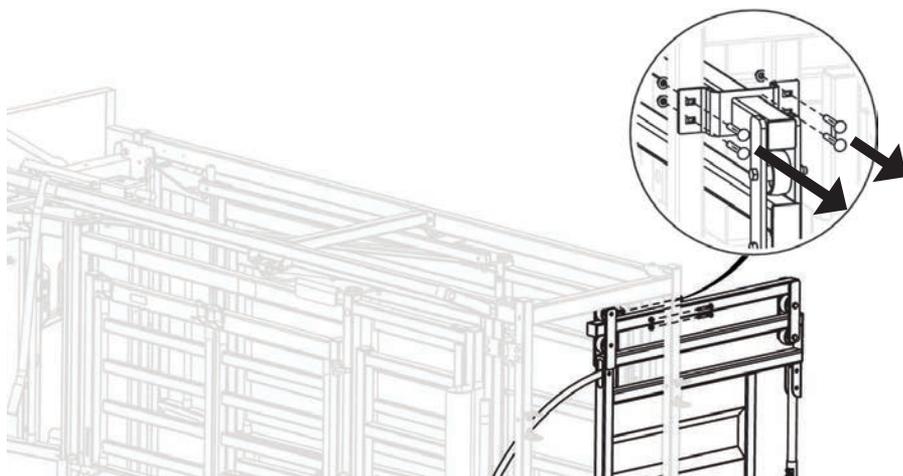
Switching from Left-hand to Right-hand operation shown. For Right-hand to Left-hand operation, complete the steps from the opposite side.

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

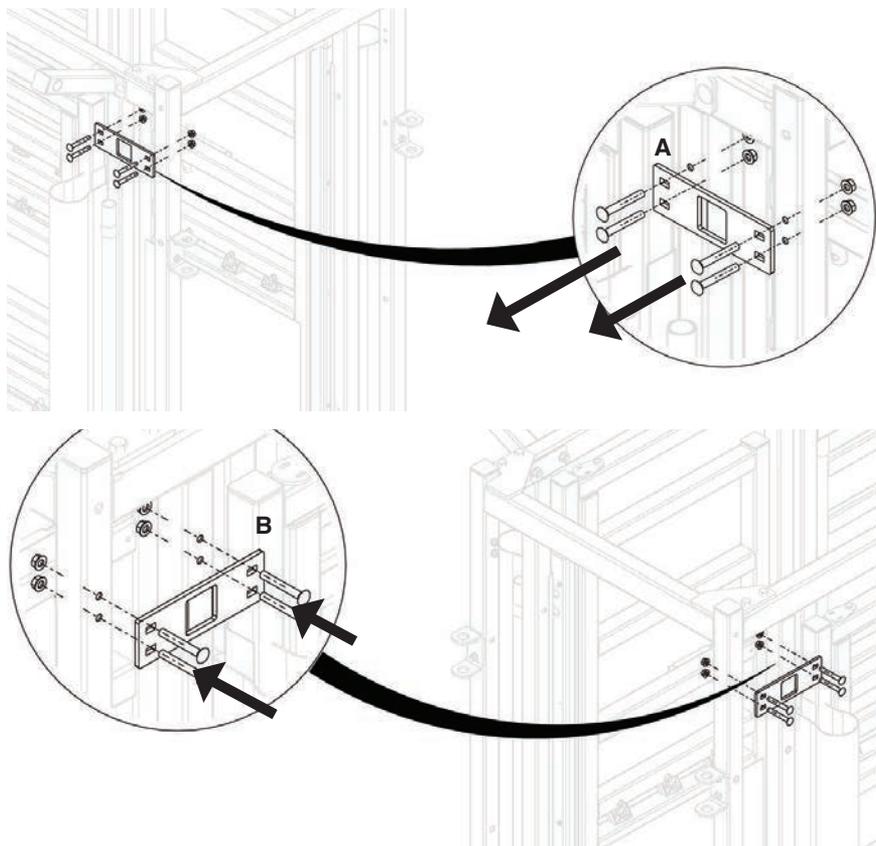
1 Remove rolling door handle slider.



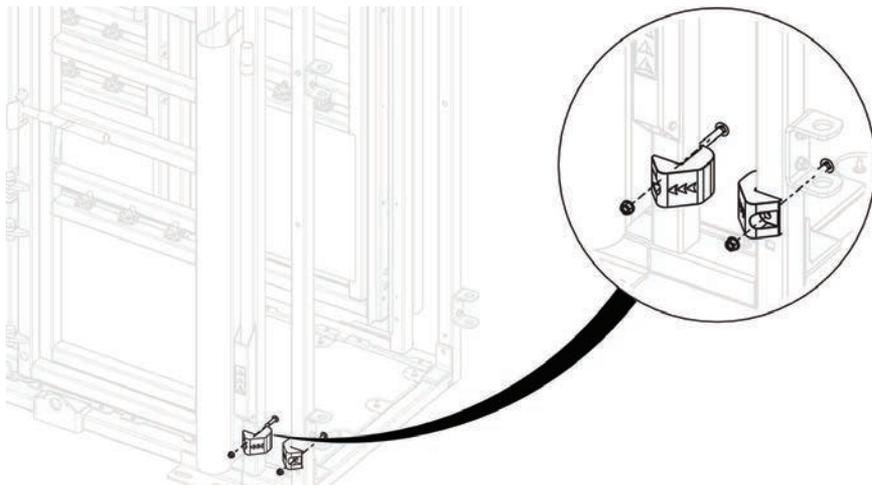
2 Remove the rolling door from the main frame.



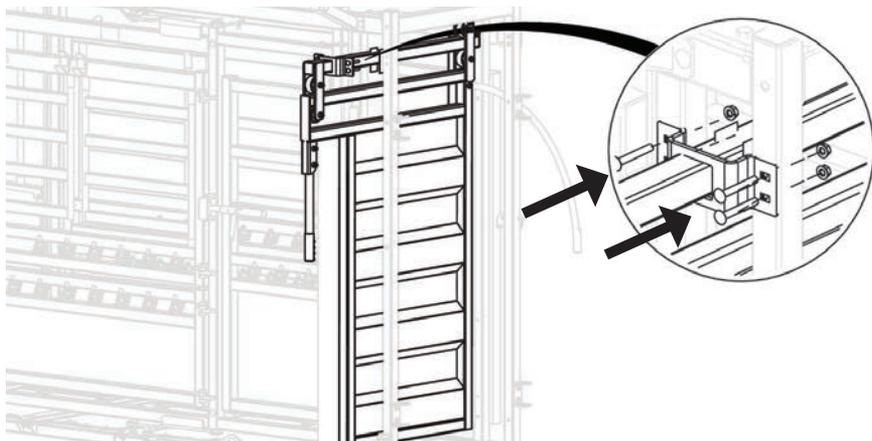
3 Remove the rolling door track plate, and switch to the opposite side.



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



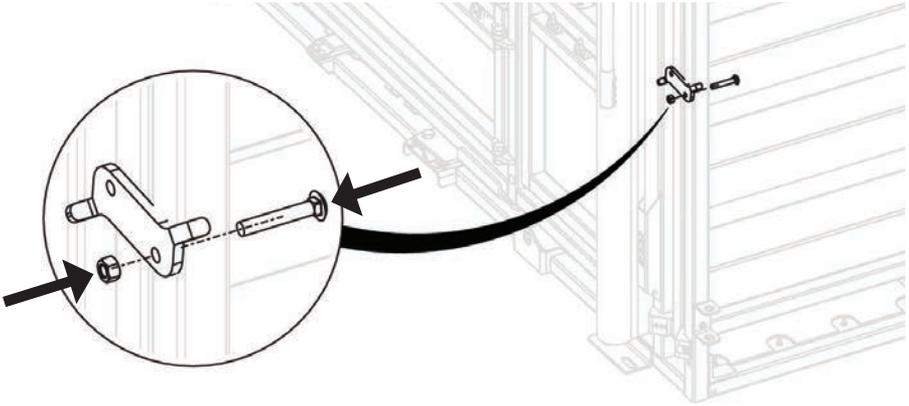
5 Install the rolling door and secure to the main frame.



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



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



COLLAPSIBLE FORCING PEN

This section contains:

- Operating Guidelines
- Using the 3E BudFlow Forcing Pen
- Using the Standard Forcing Pen

OPERATING GUIDELINES

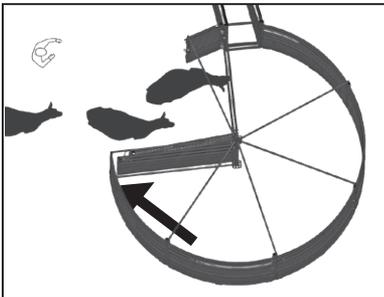


WARNING: DO NOT OVERCROWD YOUR CATTLE TUB. MAXIMUM 3-4 ADULT CATTLE AT A TIME.

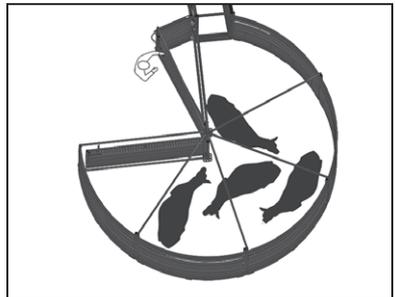
For instructions on how to fold and unfold your cattle forcing pen, go to **[TRANSPORTING THE Q-POWER 107 SERIES MOBILE WORKING SYSTEM ON PAGE 2]**.

USING THE 3E BUDFLOW FORCING PEN

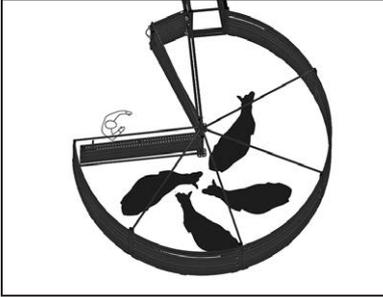
1. Guide cattle into the forcing pen.



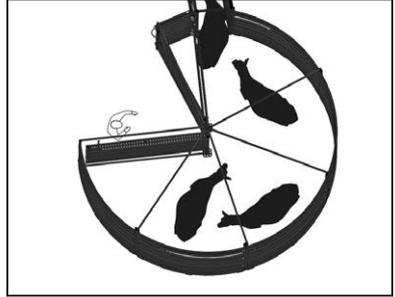
2. Close the entry gate.



3. Cattle naturally turn back to where they entered.



4. If needed, use the swing gate to guide cattle into the race.



USING THE STANDARD FORCING PEN

1. Guide cattle into the forcing pen.
2. If needed, use the swing gate to guide cattle into the race.

RECOMMENDED MAINTENANCE

This section contains:

- Maintenance Safety
- Cattle Crush Maintenance
- Hydraulic Maintenance
- Power Pack Maintenance
- Hydraulic Jack Maintenance
- Battery Maintenance
- Wheel Maintenance

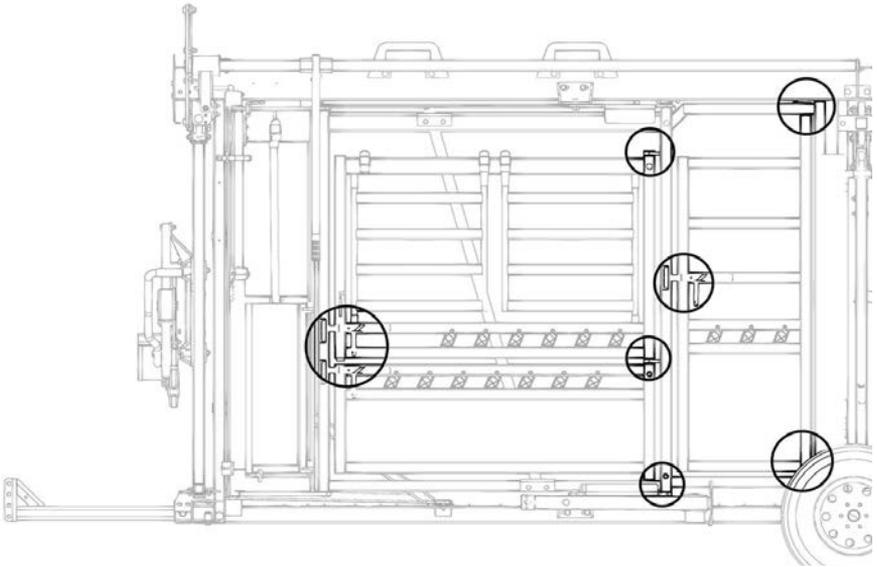
All Arrowquip Products are made with precision parts to require minimal maintenance. However, regular maintenance will keep your equipment running smoothly and safely.

MAINTENANCE SAFETY

1. Ensure the area is clear of bystanders, especially children, when doing any maintenance or repair on the hydraulic cattle crush.
2. Keep all body parts, including hair, hands, feet, etc., away from the machine when hydraulics are in operation.
3. Before carrying out any maintenance on the cattle crush, please ensure there are no livestock in the crush.
4. **DO NOT** repair the crush or go into the crush when hydraulics are in operation. This can result in injury to the worker. Unplug the motor before performing any necessary repairs or inspection.

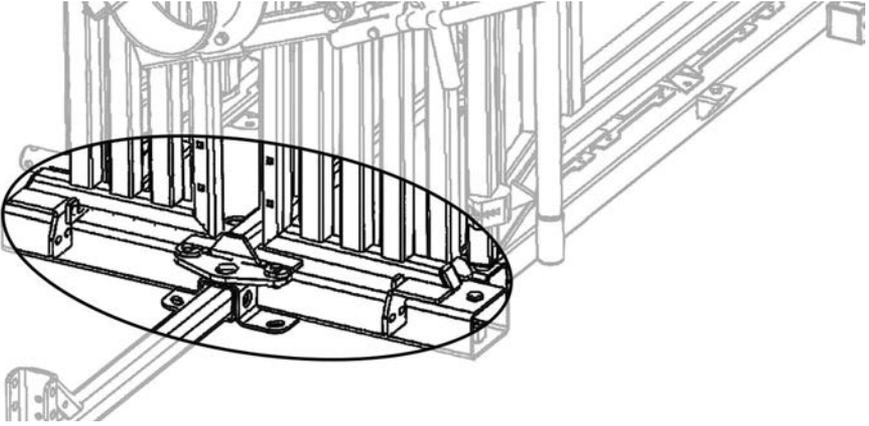
REGULAR MAINTENANCE (EVERY 6 MONTHS)

- ✓ **Inspect the entire unit.** Ensure all moving components are free of debris and functioning properly. Use proper cleaning and troubleshooting steps, if necessary.
- ✓ Grease cylinders and zerks.
- ✓ Lubricate slam latches and door hinges with WD-40 Dry Lube.



- ✓ Check gate latches and striker plates for wear. Ensure gates are locking securely.

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



- ✓ Clean the crush floor. Excess build-up of manure or dirt inside crush can cause the squeeze and yoke gate to malfunction.
- ✓ Check mechanism pivot bolts for wear. Lubricate with WD-40 Dry Lube as necessary.

HYDRAULIC MAINTENANCE

If you have any issues with your hydraulic crush, contact Arrowquip Client Care at 01530 632002.

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.

POWER PACK MAINTENANCE

Inspect the entire unit. Ensure all moving components are free of debris and functioning properly. Use proper cleaning.

HYDRAULIC JACK MAINTENANCE



**IF YOU HAVE ANY ISSUES WITH YOUR HYDRAULIC JACKS,
CONTACT ARROWQUIP CLIENT CARE AT 01530 632002.**

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 synchronised, it is essential that the cylinders are retracted fully until they stop moving every time they are used.

BATTERY MAINTENANCE



THE BATTERIES ON THE MOBILE 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 assure 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

Before doing ANY work or troubleshooting on your hydraulic crush, contact Arrowquip Client Care at 01530 632002.



DO NOT ATTEMPT TO TROUBLESHOOT OR FIX ISSUES WITH THE ELECTRIC POWER PACK UNLESS YOU ARE A CERTIFIED ELECTRICIAN.

CATTLE CRUSH

1. To ensure proper operation make sure yoke gate is situated on level ground or base.
2. Make sure yoke gate door tracks are free of debris.
3. Keep floors clean. Excess build-up of manure or dirt inside crush can cause the squeeze and yoke gate to malfunction.
4. Lubricate slam latches and pivot points with WD-40 Dry Lube.

POWER PACK

Contact your Electrician for assistance with any Power Pack issues.

For additional information, download your Power Pack Manual [here](#).

Q-POWER 107 SERIES



Q-POWER 104 SERIES



DO NOT ATTEMPT TO TROUBLESHOOT OR FIX ISSUES WITH THE ELECTRIC POWER PACK UNLESS YOU ARE A CERTIFIED ELECTRICIAN.

HYDRAULIC JACKS



BEFORE DOING ANY WORK OR TROUBLESHOOTING ON YOUR HYDRAULIC JACKS, CONTACT ARROWQUIP CLIENT CARE AT 01530 632002.

1. Rear jacks are not synchronised.
 - 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 synchronised and contacting the ground at the same time.
 - c. If the jacks are still not synchronised 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.

MANUAL JACKS

1. Manual winder is stiff.
 - a. Check that bearings are oiled.
 - b. Check for obstructions.
 - i. Inspect moving components of the jacks, to ensure nothing is damaged or obstructing normal operation.
2. Manual winder is locked solid.
 - a. Check that bearings are not seized.

RECOMMENDED USE

5000 head of cattle per year.

Follow the recommended use to maximise the lifespan of your equipment. Arrowquip products that have only been used within acceptable tolerance following the recommended use will be eligible to claim warranty.

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.

Eg. If a modification is made to the squeeze mechanism in a cattle crush, and the sternum bar is bent afterwards, warranty for the damaged part, the sternum bar, contained in the modified equipment, the cattle crush, is void. In addition, any remaining warranty for the cattle crush and other parts contained therein, including, but not limited to, the yoke gate, locking system, Q-Catch system, and rollers, is null and void.

REGISTER FOR WARRANTY NOW:

Online: arrowquip.co.uk/product-registration

Phone: 01530 632002 | **Email:** cs@arrowquip.com



ARROWQUIP

If you have any questions regarding your product or require assistance, please contact Arrowquip's Client Care Team at 01530 632002 or by email at cs@arrowquip.com.