



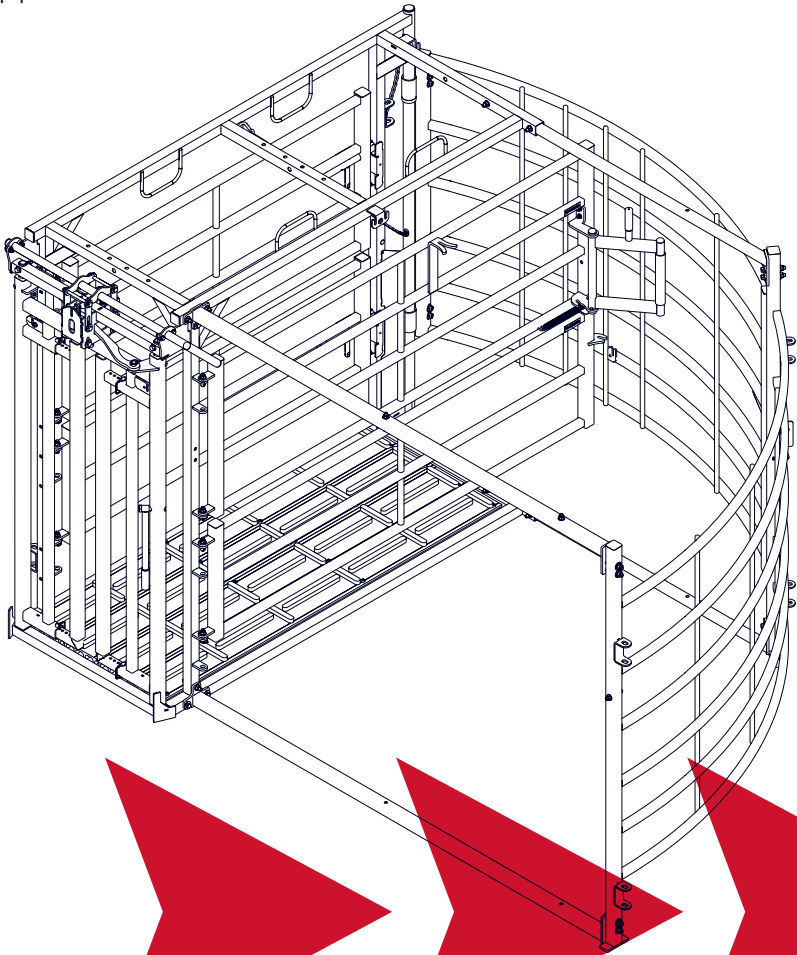
PRODUCT MANUAL

CALVING PEN

NOVEMBER 2024

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arrowquip.com



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SAFETY PRECAUTIONS

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. 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, the user must assume all responsibility and risk associated with the possession and use of the cattle squeeze chute.

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.



WARNING: READ BELOW BEFORE OPERATION

Ensure the operator understands the contents of this manual before using the cattle squeeze chute.

- 1. DO NOT** wear loose-fitted clothing.
- Ensure the cattle squeeze chute is on a firm, level, dry surface that is free of rocks and other trip hazards. A level concrete pad flush with the ground and with the chute bolted to the concrete is strongly recommended.
- 3. DO NOT** enter the vet cage until the animal is secured in the head gate and the rump bar has been placed so that the cow cannot back up.

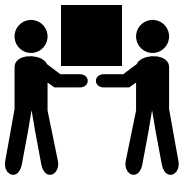
4. **DO NOT** stand in front of the head gate while operator is moving the cattle through the squeeze chute.
5. **DO NOT ALLOW CHILDREN UNDER THE AGE OF 18 NEAR AN OPERATING MACHINE.**
6. Follow safe cattle handling procedures in other areas of the yard so that cattle are more docile in the chute.
7. **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.

RISK ASSESSMENT

Conduct a risk assessment on procedures for which the cattle squeeze chute used and establish a safe work procedure.

1. Ensure all users of the equipment have been inducted and comply with safe working procedure.
2. Please ensure that there are NO large or hazardous objects inside the equipment that may cause injury to the animal or operator, or may cause the equipment to malfunction.
3. Make sure that your equipment has been cleared of ALL livestock after use.
4. Some chemicals and medicines can damage powder coat. Take all precautions and wash after use.
5. Maximum towing speed 50km/30mph.
6. Maintain tire pressure of 80 psi.
7. 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.

BEFORE INSTALLING



HEAVY
Partner Lift



Forklift Required*

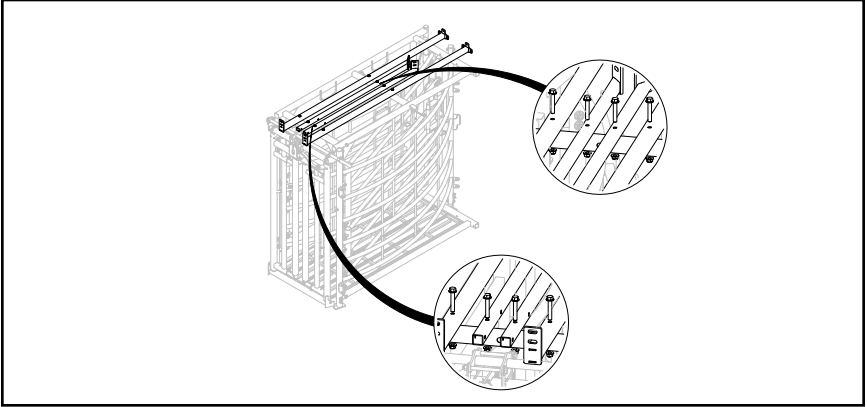
*If you do not have a forklift, use any lift equipment with a 2000lb Capacity min.

TOOLS REQUIRED

- 3/4" Wrench
- 3/4" Deep Socket & Ratchet

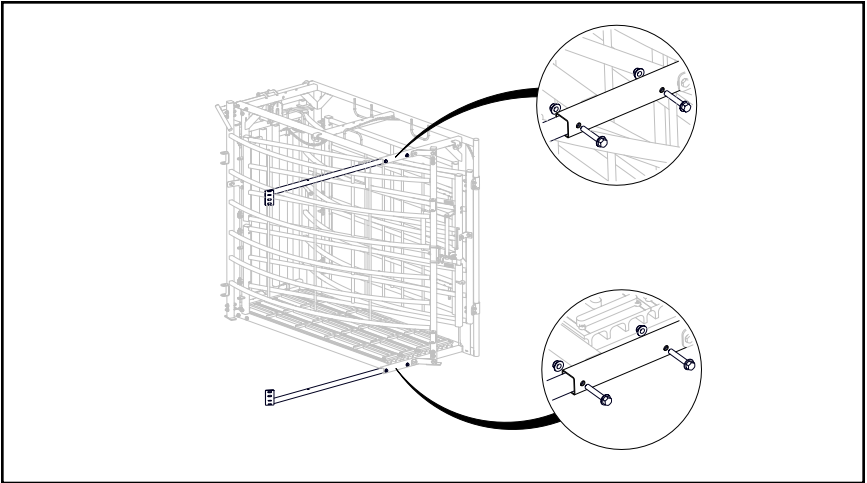
ASSEMBLING THE CALVING PEN

- 1 Remove the hardware holding the joiner bars to the top of the frame, then remove the joiner bars.

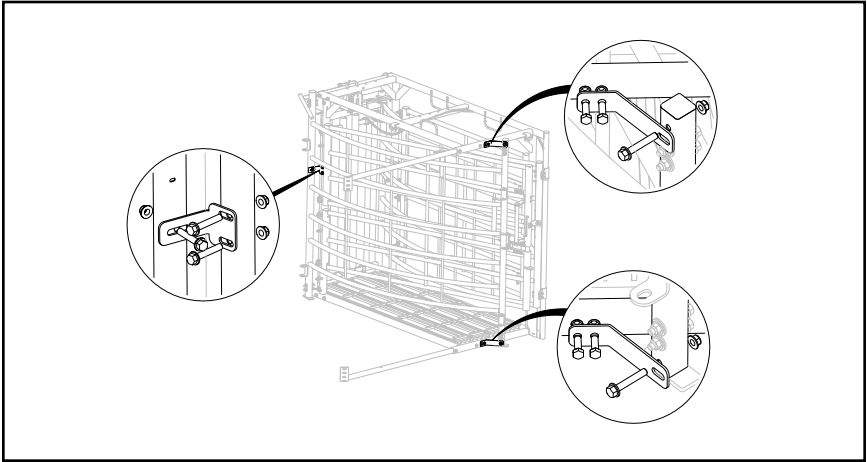


NOTE: SAVE HARDWARE FOR REINSTALLATION

- 2 Loosely install the rear joiner bars to the frame using the same hardware from the shipping mounts.



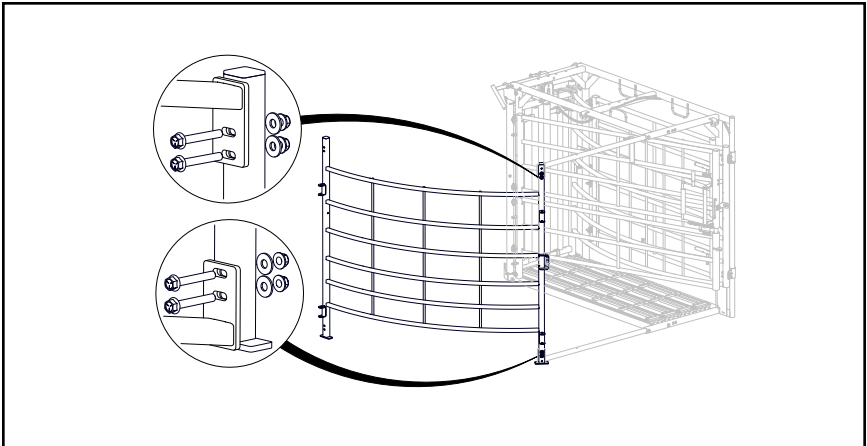
- 3** Remove the front shipping bracket from the curved panel, then remove the two rear shipping brackets.



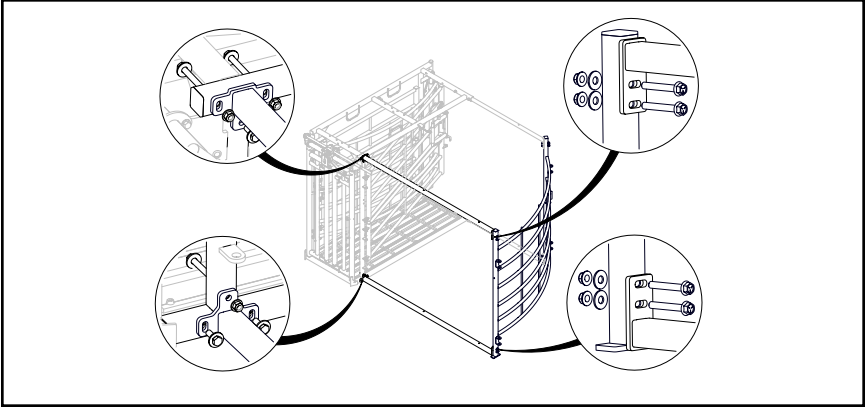
STOP

HAVE ONE PERSON HOLD THE PANEL WHILE THE OTHER REMOVES THE SHIPPING BRACKETS.

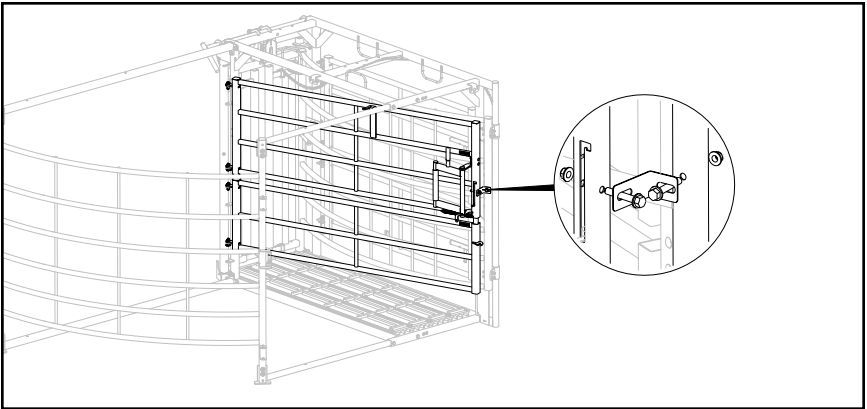
- 4** Remove the joiner bar hardware from the top and bottom post of the curved panel. Save for next step.
- 5** Install the curved panel onto the end of the rear joiner bar as shown below. Ensure the bolt head is toward the center of the pen with the nut and washer facing outward.



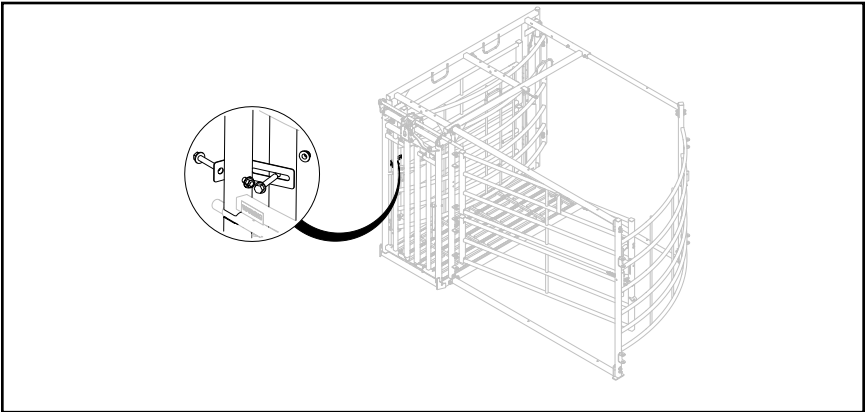
6 Remove the hardware for the front joiner bar (this is pre-installed) then loosely install the front joiner bars to the frame and curved panel as shown.



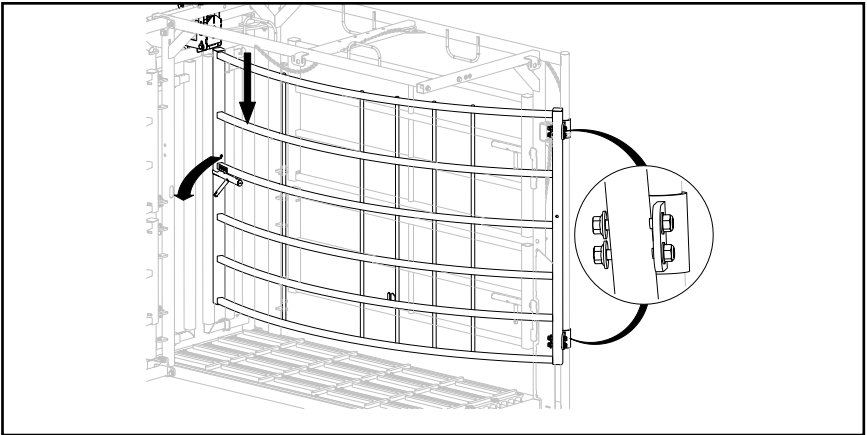
7 Remove the shipping bracket holding the top crowd gate to the curved gate and swing the crowd gate open.



- 8** Remove the shipping bracket and hardware holding the curved gate to the frame of the unit.

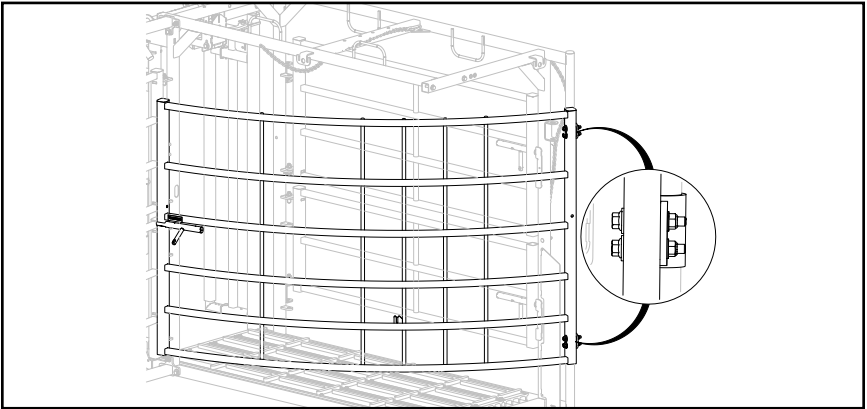


- 9** Loosen the hinge hardware on the curved gate allowing the end of the gate to hang below the headgate locks. Swing the curved gate past the headgate locks.

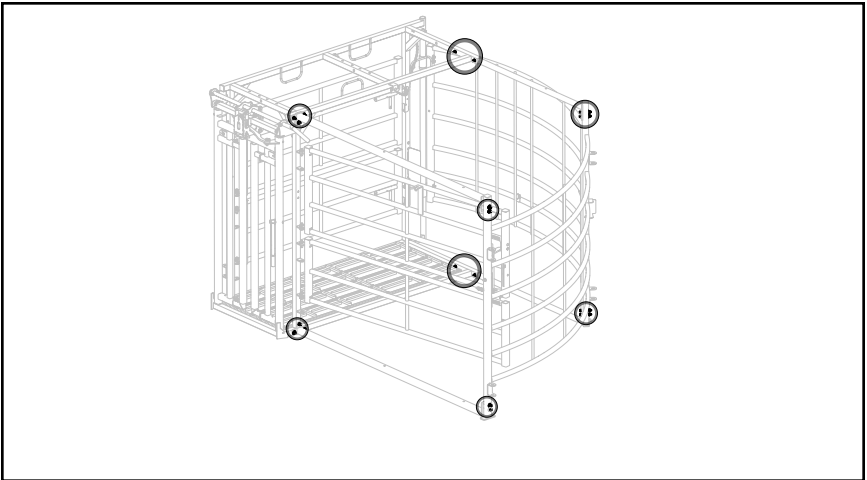


10 Re-tighten the hinge hardware.

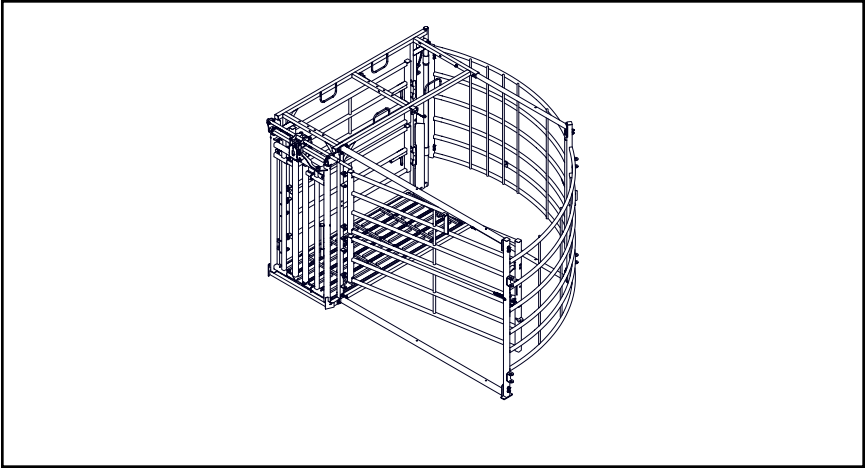
11 Open the curved gate all the way and latch into the curved panel.



12 Tighten all joiner bars hardware (18 bolts total).



Your calving pen is now complete.



NOTE: ANY REMAINING HARDWARE CAN BE DISCARDED.

MOVING THE CALVING PEN

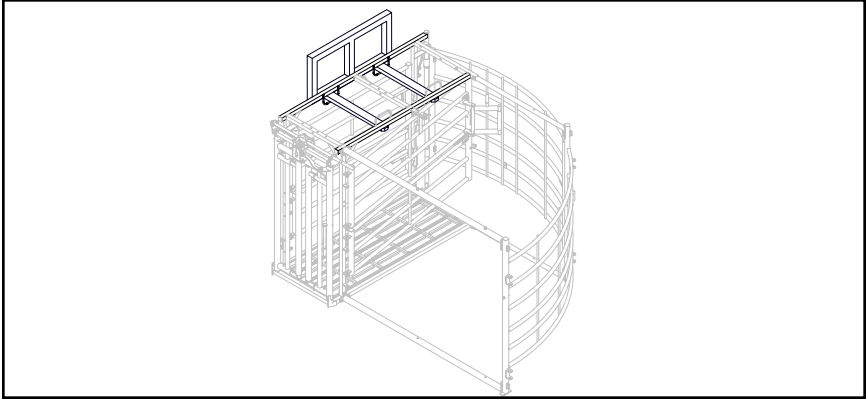
IMPORTANT: ALWAYS PICK THE UNIT UP FROM THE RIGHT-HAND SIDE, THE SIDE OPPOSITE THE TUB.

MOVING THE PEN IN WORKING CONFIGURATION

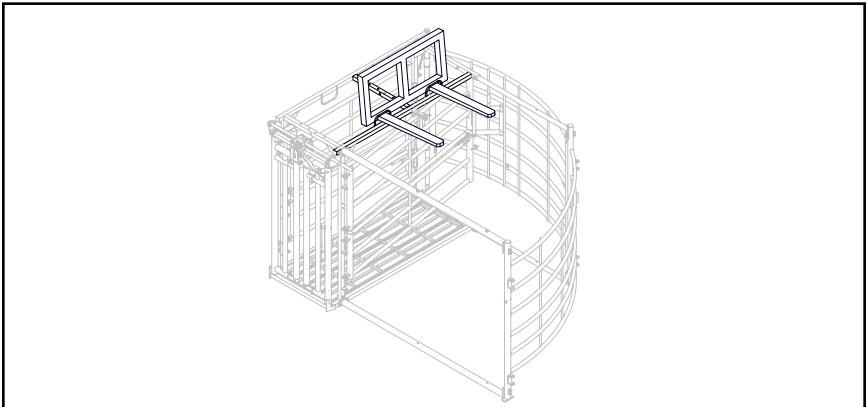
STOP

SWING THE CROWD GATES INWARD PRIOR TO LIFTING

- For forks longer than 36", insert the forks through the bottom fork targets and lift.



- For forks shorter than 36", insert the forks through the top fork targets. Ensure the frame of the forks sits against the fork target, then lift.



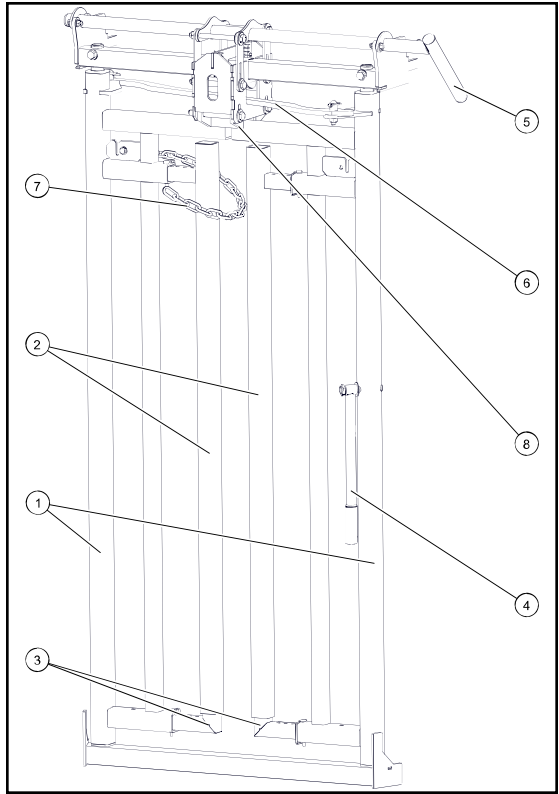
MOVING THE PEN IN SHIPPING CONFIGURATION

- Moving the pen in shipping configuration should be done using forks longer than 36". To move, insert forks into the bottom fork targets and lift.
- **If forks longer than 36" are not available** remove the top joiner bars from the unit. See "Assembling the Calving Pen" section for instructions. Once this is done, lift the unit using the top fork targets.

CALVING PEN OPERATION

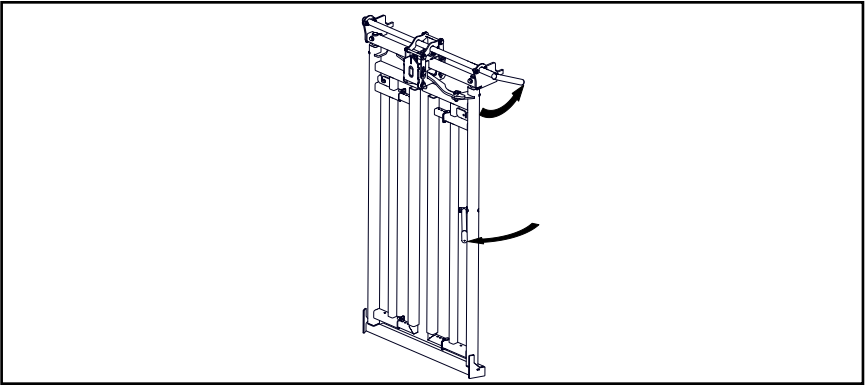
HEAD GATE COMPONENTS

1. Head Gate Door
2. Head Gate Neck Tube
3. Head Gate Floating Bottom
4. Door Handle
5. Head Gate Release Handle
6. Head Gate Hooked Linkage
7. Head Gate Stop Chain
8. Head Gate Lock Cell



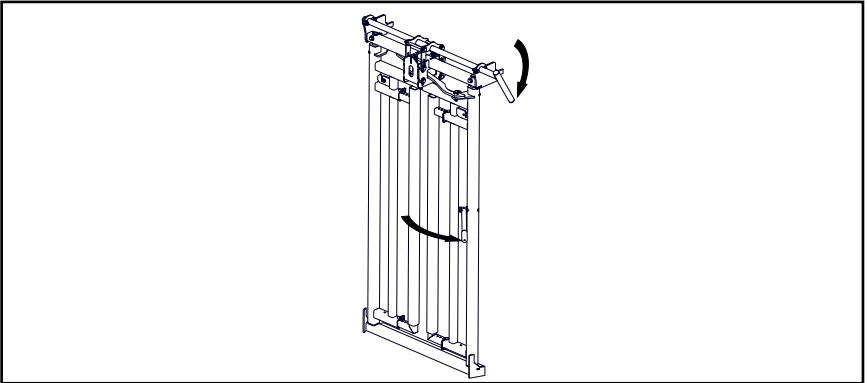
OPERATING THE HEAD GATE

- 1** Push the head gate release handle up and swing head gate doors back using the handle.



- 2** Have the cow enter the head gate. The shoulders of the cow should push the doors forward and close, allowing the doors to automatically lock into position

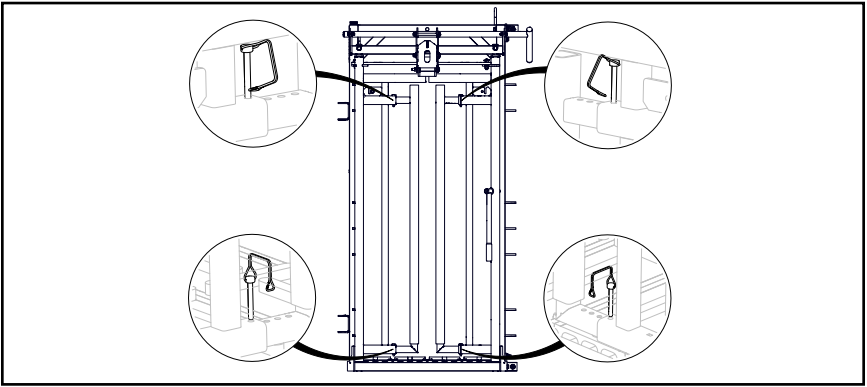
- 3** Once the animal is ready to be released, pull the head gate release handle down and pull the handle back to open the doors forward.



- 4** To reset the head gate to catch position, push the release handle up and push the door handle forward to swing the doors back to the open position.

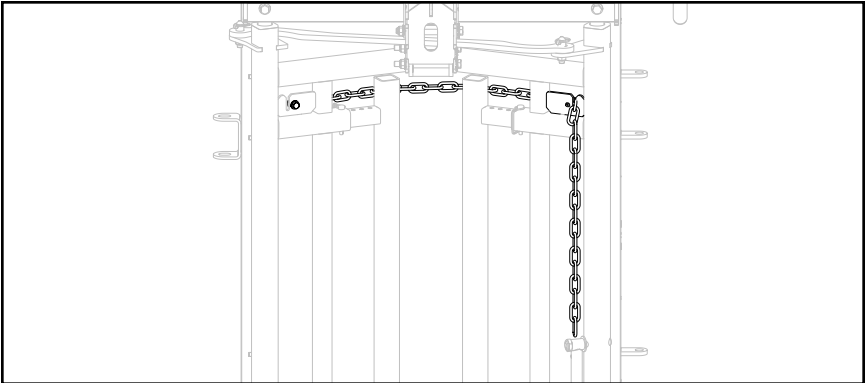
ADJUSTING THE HEAD GATE

- 1 Remove the top and bottom spring pins from the head gate door.



- 2 Move the neck bar to the desired opening width.

NOTE: THE REARWARD HEADGATE OPENING CAN BE ADJUSTED BY TIGHTENING OR LOOSENING THE HEAD GATE STOP CHAIN BETWEEN THE TWO DOORS. SEE IMAGE BELOW.



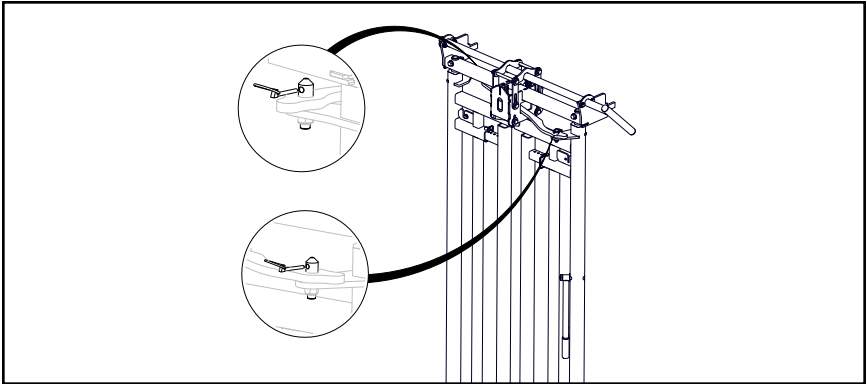
HIP LOCK RELEASE

If the head gate is set too wide, the animal can get their shoulders through, which will cause the head gate to lock at their hips. This is known as hip lock. This can cause unnecessary stress to the animal and extreme force on the head gate locks. In some cases, the head gate will not open using the normal release.

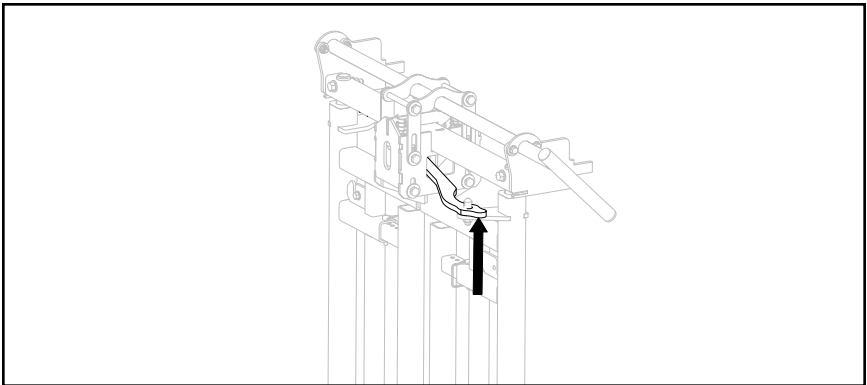


ENSURE ANY OTHER PERSONS ARE STANDING CLEAR OF THE HEAD GATE TO AVOID INJURY.

- 1** Remove the linch pins securing the head gate hooked linkage.



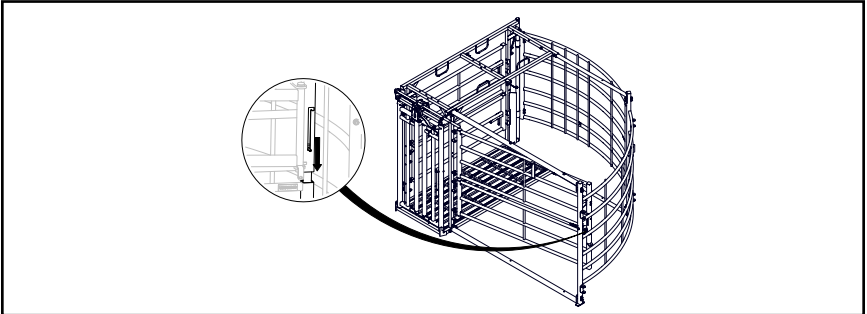
- 2** Standing away from the door strike upward on the exposed tab of the linkage with a hammer. This will pop the linkage off allowing the doors to move independently and should release enough pressure to allow the animal to leave the headgate.



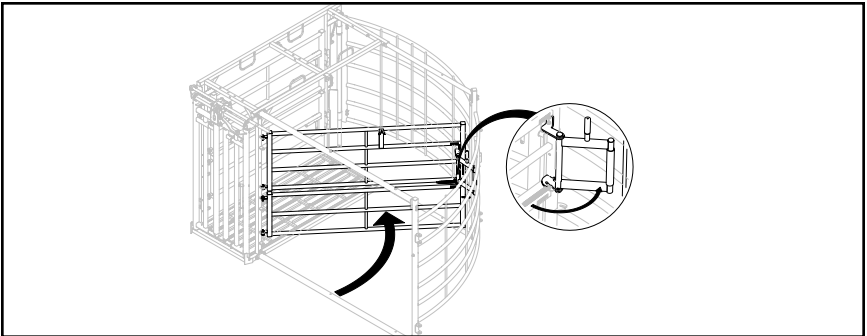
- 3** In some cases, the offside door needs a larger range of motion to release the animal. Move to the offside of the unit and strike upward on the exposed tab with a hammer. With both doors unconstrained the animal will be free to exit.

SECURING AN ANIMAL WITH THE TOP CROWD GATE

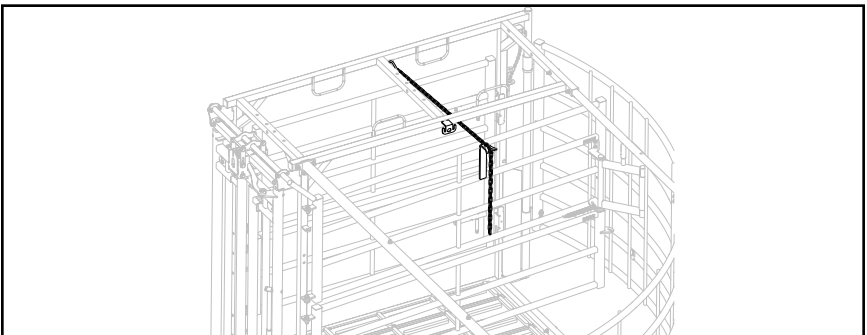
NOTE: BEFORE YOU BEGIN, ENSURE THE DROP PIN IS ENGAGED BETWEEN THE TOP AND BOTTOM CROWD GATES.



- 1** Open the crowd gate and have the animal enter the pen.
- 2** Close the gate behind the animal ensuring the tub stop handle is flipped to engage against the curved panel/gate.
- 3** As the crowd gate is closed, the animal will enter the headgate securing the neck of the animal. Continue to move the gate inwards until the desired amount of squeeze is applied to the animal.

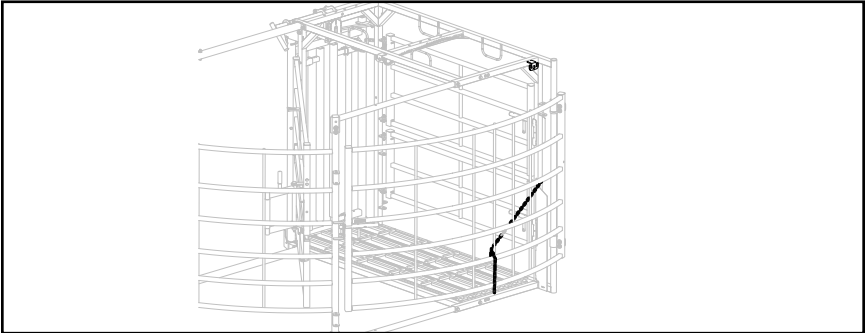


- 4** Remove the chain off the storage hook on the frame of the unit and engage it into the chain hook on the top crowd gate.

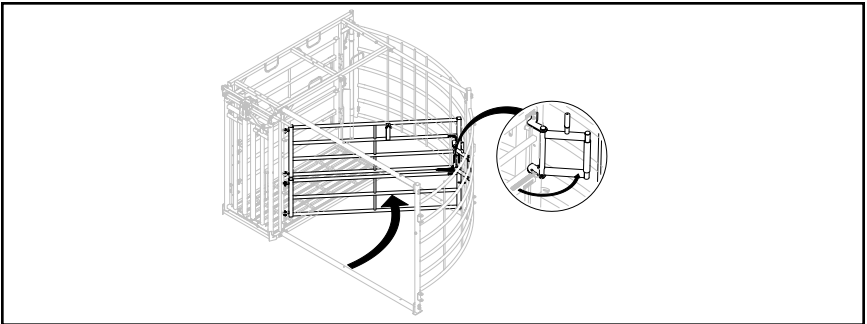


SECURING AN ANIMAL WITH THE BOTTOM CROWD GATE

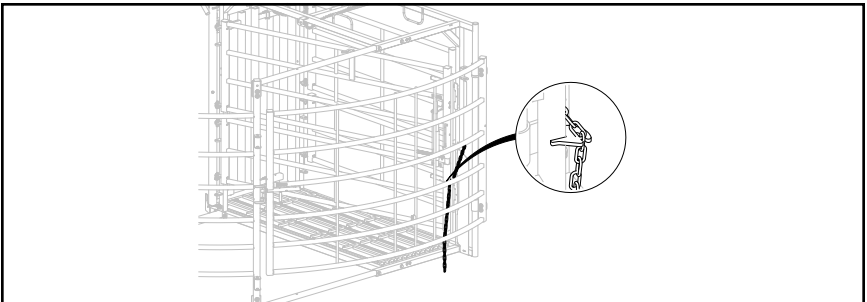
NOTE: BEFORE YOU BEGIN, ENSURE THE DROP PIN IS ENGAGED BETWEEN THE TOP AND BOTTOM CROWD GATES.



- 1** Open the crowd gate and have the animal enter the pen
- 2** Close the gate behind the animal ensuring the tub stop handle is flipped over to engage against the curved panel/gate.



- 3** As the crowd gate is closed, the animal will enter the headgate securing the neck of the animal. Continue to move the gate inwards until the desired amount of squeeze is applied to the animal.
- 4** Remove the rear chain from the curved gate chain hook and engage it into the bottom crowd gate chain hook.



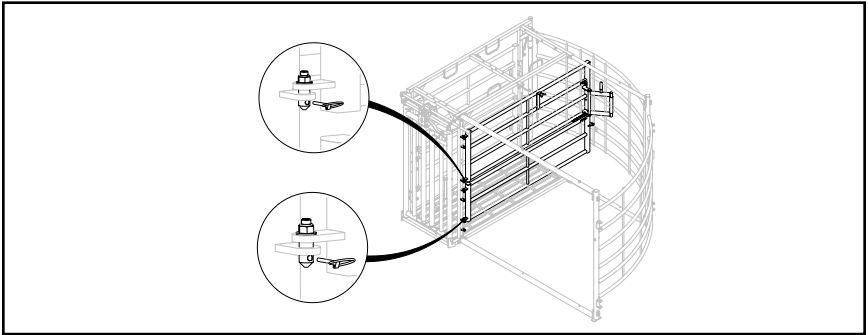
5 The rear curved gate can now be opened.

6 To open the top crowd gate, disengage the drop pin and swing the top crowd gate open.

ADJUSTING THE GATE HEIGHTS

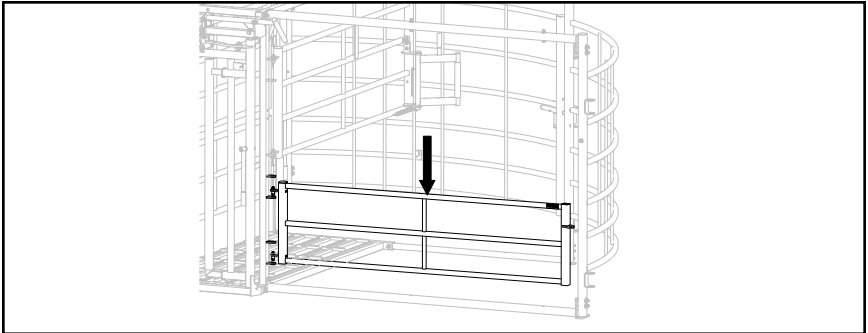
NOTE: THE CROWD GATES AND SWING GATES CAN BE ADJUSTED IN HEIGHT BY 6".

1 When gates are in highest position, remove the lynch pin from the bottom hinge pin on both the top and bottom gate.



2 Swing the bottom gate out and lift, disengaging the hinge pins.

3 While holding the bottom gate, insert the top hinge pins into the next lowest hinge plate. Continue to lower the gate until bottom hinge pin is fully engaged on bottom hinge plate.



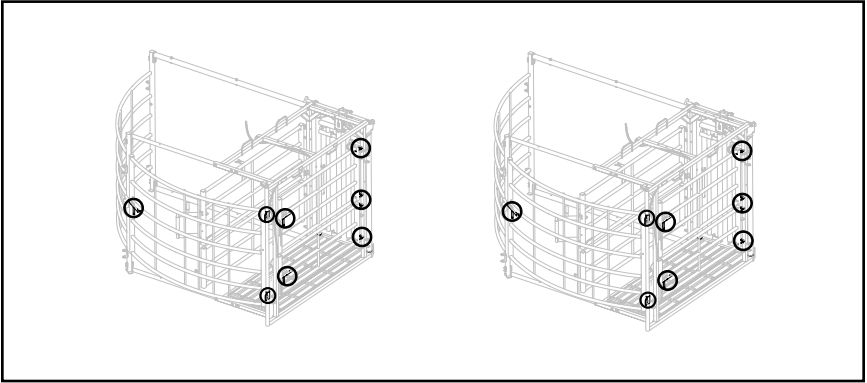
4 Repeat steps 2 and 3 for top gate.

5 Re-install the two lynch pins into the bottom hinge pin on each gate.

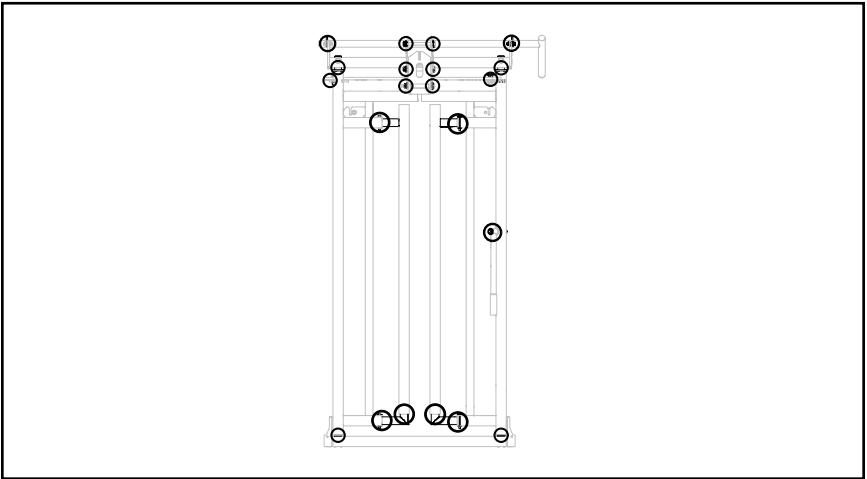
RECOMMENDED MAINTENANCE

REGULAR MAINTENANCE (EVERY 6 MONTHS)

- ✓ Apply lubricating oil to all hinge points.



- ✓ Apply lubricating oil to all Head Gate linkage points



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 system, and rollers, is null and void.

WARRANTY PERIOD

Calving Pen | 5 Year Warranty

REGISTER FOR WARRANTY NOW:

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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.