

PRODUCT MANUAL

**POWERLOCK 105 SERIES
HYDRAULIC CATTLE
CHUTE**



SEPTEMBER 2025 | 2026019

1-877-275-6075
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arrowquip.com



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

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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-fitting clothing.
2. 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 the cow cannot back up.
4. **DO NOT** stand in front of the head gate while operator is moving 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 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.
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 chute or are touching the chute. Reaching out or into the chute while hydraulics are in operation can result in serious injury.
10. Please ensure all hydraulic hoses and electrical leads are out of the way and safely positioned before moving cattle or using the chute.
11. Keep a distance of more than an arm's length from the hydraulic chute while hydraulics are in operation.

RISK ASSESSMENT

Conduct a risk assessment on procedures regarding the operation of an Arrowquip hydraulic squeeze chute, establishing a safe work procedure.

1. Ensure all users of the equipment have been inducted and comply with safe working procedures.
2. Please ensure the hydraulic chute is secured on firm ground.
3. Please ensure there are **NO** hazardous hydraulic cords or large objects within or around the chute where cattle and operator will be.
4. Please ensure all hydraulics work properly before putting cattle through the chute.
5. Please make sure all hydraulic hoses are properly secured to the hydraulic pump or tractor.
6. Ensure the hydraulic controls are functioning properly. Specifically ensure the adjustable side mechanism and the head gate are adjusting smoothly.
7. If hydraulics do not function properly when testing the equipment, **DO NOT** put cattle through the chute.
8. Ensure access gates are closed securely before running cattle through the chute.
9. Some chemicals and medicines can damage powder coat. Take all precautions and wash after use.
10. Make sure your chute has been cleared of **ALL** livestock after use.

POWERLOCK HYDRAULIC SQUEEZE CHUTE ASSEMBLY

Your chute will come fully assembled with the options you have ordered already fitted to the chute.

However, it will be necessary to connect the hydraulic chute to a power source.

ELECTRIC POWER PACK

110V ELECTRIC POWER PACK



PARTS	
1	RECIRCULATION VALVE
2	OIL FILTER
3	QUICK CONNECT PORTS
4	BREATHER FILL CAP



WARNING:

Do not attempt to connect. Must be connected by a certified electrician.
Contact 1-877-275-6075 with any questions.

OPERATING THE POWERLOCK CATTLE CHUTE



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.



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

POWER FAILURE

If you should experience a loss of power while you have an animal in the chute, 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. With the levers engaged, pull on the Head Gate Door / Squeeze Panel to open the door if necessary.
3. Check to make sure the animal is free of any injury.
4. Release the animal from the chute.
5. Review the cause for power failure and troubleshoot to restore power.
6. See start-up procedure once power is restored.

RECOMMENDED MAINTENANCE

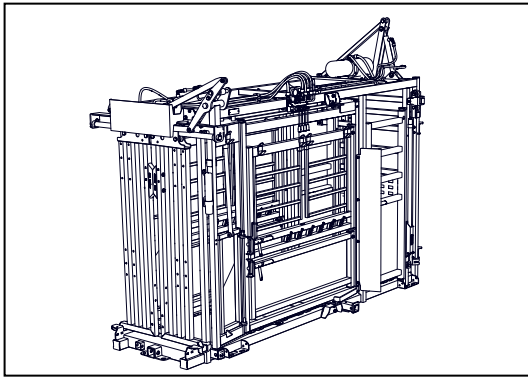
All Arrowquip products are made with precision parts to require minimal maintenance. However, regular maintenance will keep your equipment running smoothly and safely.

MAINTENANCE SAFETY

1. Ensure the area is clear of bystanders, especially children, when doing any maintenance or repair on the hydraulic squeeze chute.
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 squeeze chute, please ensure there are no livestock in the chute.
4. **DO NOT** repair the chute or go into the chute 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

- 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.
- 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 mechanism pivot bolts for wear. Lubricate with WD-40 Dry Lube as necessary.

HYDRAULIC MAINTENANCE

If you have any issues with your hydraulic chute, 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.

POWER PACK MAINTENANCE

Refer to the Power Pack manual for detailed maintenance instructions.

TROUBLESHOOTING GUIDE

DO NOT attempt to troubleshoot or fix issues with the Electric Power Pack unless you are a certified Electrician.

SQUEEZE CHUTE

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

PUMP IS NOT BUILDING PRESSURE

SOLUTIONS:

1. Check that the hydraulic oil level is correct in the sight glass. Use HVI22 or AW22 weight oil to fill as needed.
2. Make sure that both couplers are engaged, and the female sleeve is snapped into place.
3. Ensure fan on motor is turning clockwise.
4. If the cold start valve is stuck in the open/up position, turn the valve one quarter turn and pin should slide down deeper.
5. If it sounds like the motor is not laboring, there is a very small possibility that the key on the shaft broke, and it is not turning the pump.
6. If the relief valve has a piece of debris in it, turning the valve in and out it should free it and cause it to by-pass.
7. Make sure hoses are hooked up correctly and align with the P and T on both the power pack and the chute.
 - a. Note: 'P' is left and 'T' is right.

ISSUES WITH ELECTRIC POWER PACK

Contact your Electrician for assistance with any Power Pack issues.

For additional information, contact Arrowquip Client Care at 1-877-275-6075.

RECOMMENDED USE

Powerlock 105 Series Standard & Deluxe Vet Models: 10 Years or 25,000 Total Head of Cattle.

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.



WARNING:

Do not attempt to connect the electric power packs if you are not a certified electrician.

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.

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, Q-Catch system, and rollers, is null and void.

REGISTER FOR WARRANTY NOW:

ONLINE: arrowquip.com/product-registration

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

ADD-ONS MAINTENANCE & SAFETY PRECAUTIONS

4TH GENERATION HEAD HOLDER

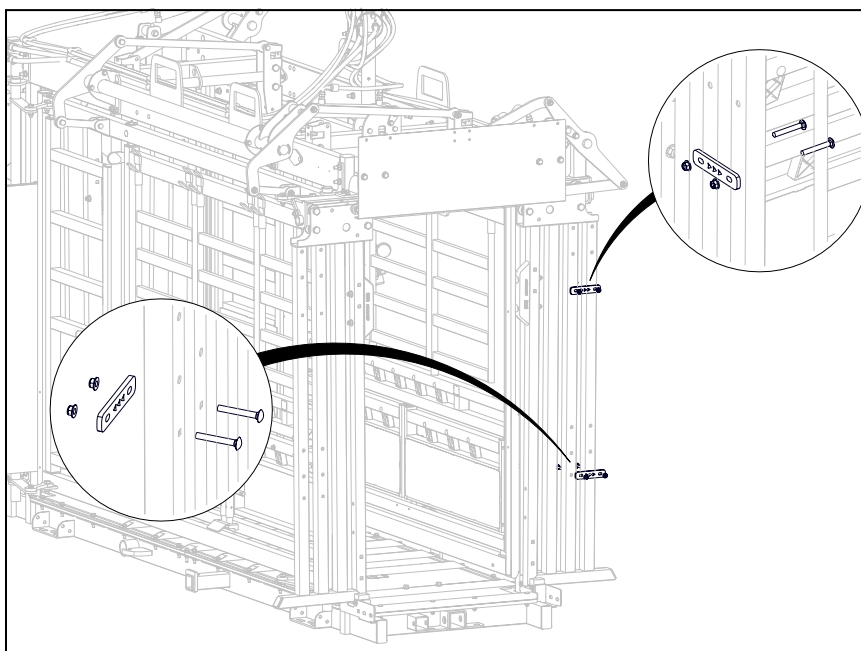
For complete information, read the 4th Generation Head Holder manual.

REQUIREMENTS:

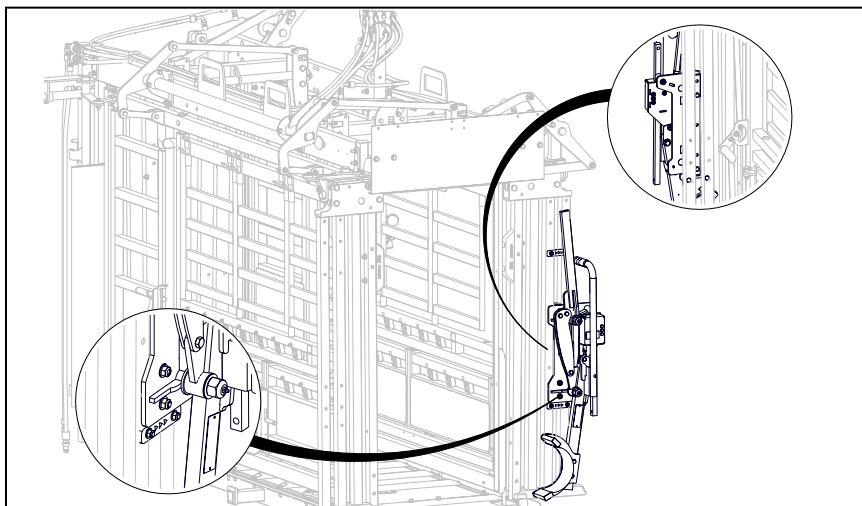
- 2 people
- 9/16" Wrench
- 3/4" Wrench

INSTALLATION

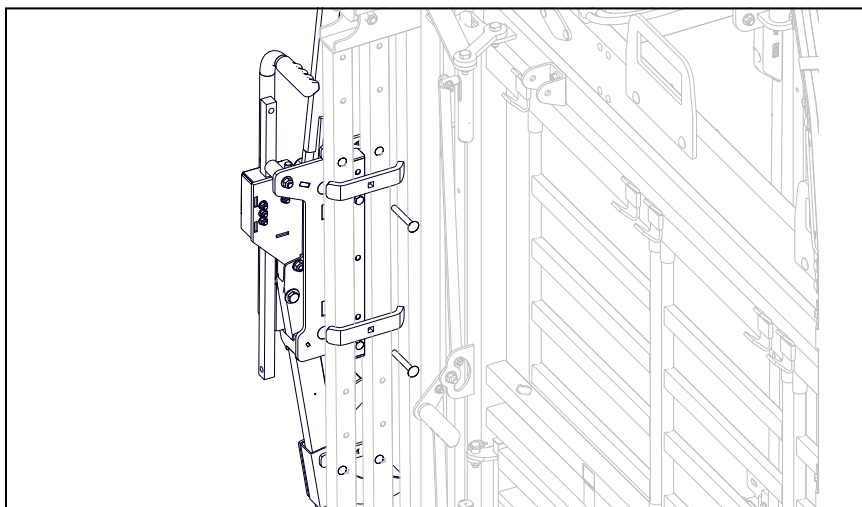
1. Install top and bottom stops to the slots in the Head Gate.



2. Align the rear Head Holder tube between the Head Gate rails, resting the Head Holder on the stop.



3. Loosely fasten on rear brackets.



4. Lift the Head Holder to desired position and tighten brackets.

SAFETY PRECAUTIONS:

- Ensure the Head Holder remains open until required to hold the animal's head.

MAINTENANCE:

1. Add grease throughout 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 lock box shaft while opening and closing the Head Holder.

LUG POST

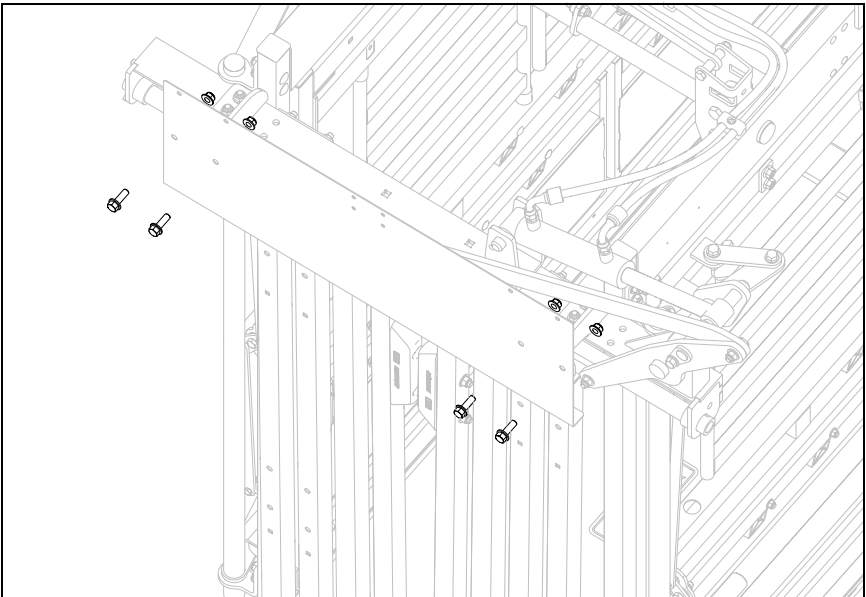
REQUIREMENTS:

- 2 people
- 9/16" Wrench
- 3/4" Wrench

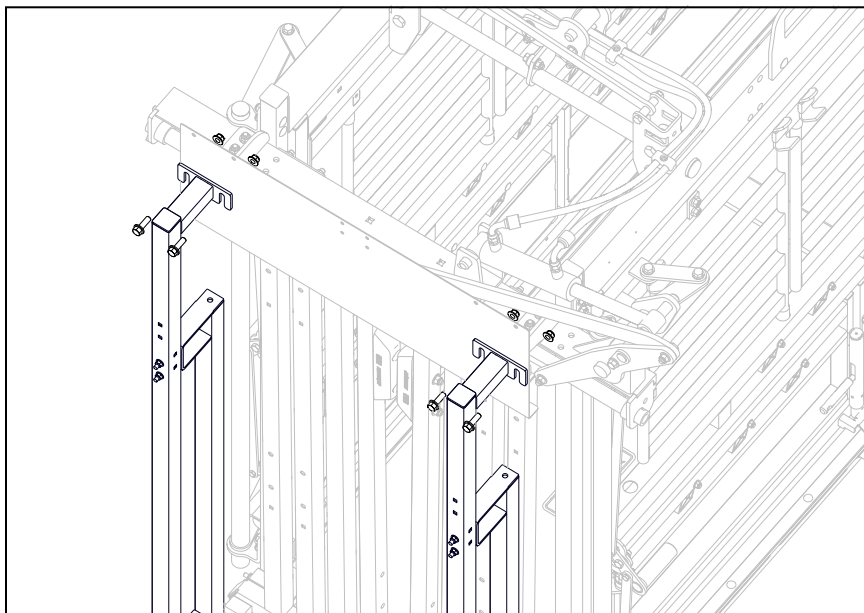
INSTALLATION:

NOTE: Only install one side at a time so name shield stays on the chute.

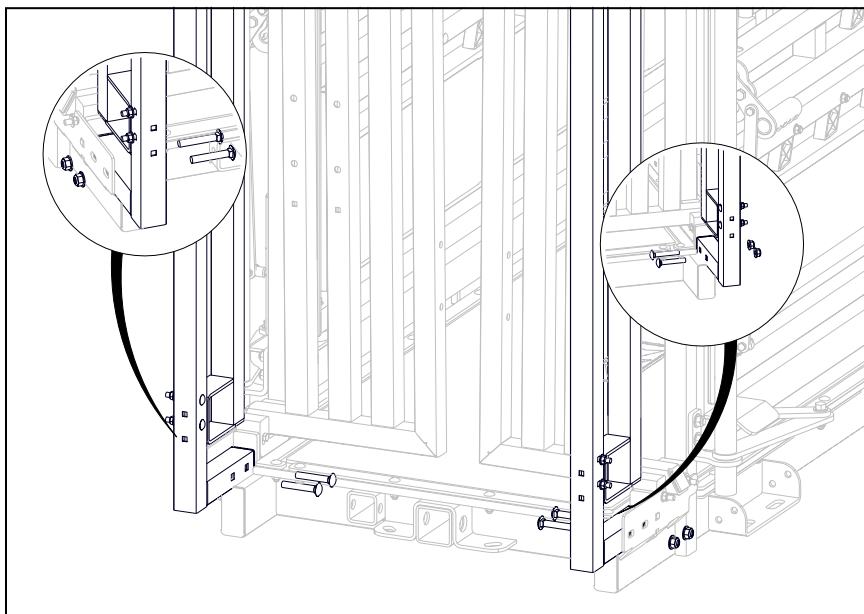
1. Remove bolts holding decal name shield.



2. Install lug post and top two bolts, do not tighten all the way.

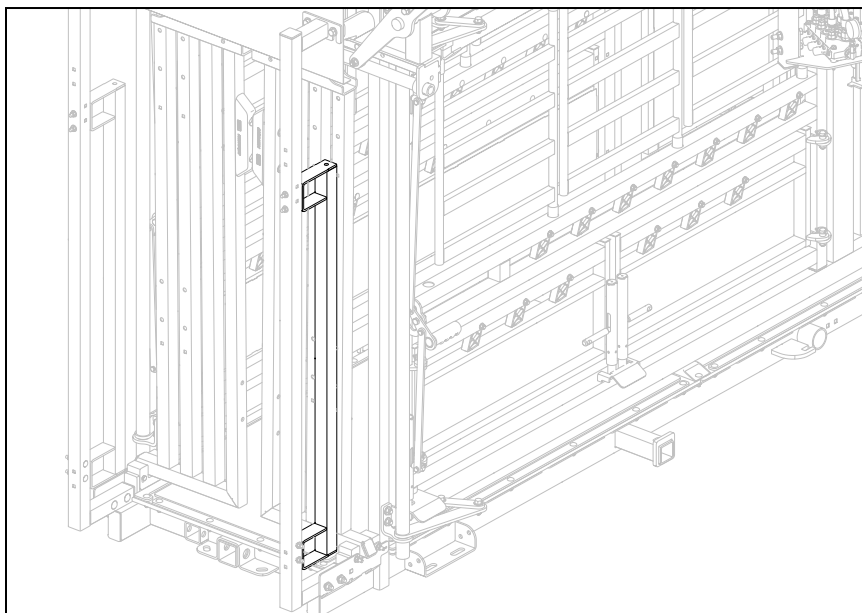


3. Align bottom of lug post and carriage head bolts with the head towards the inside of the chute.



4. Tighten down all 4 bolts.
5. Repeat steps to install the post on the opposite side.

NOTE: Remove filler post before installing head holder.



BALK GATE

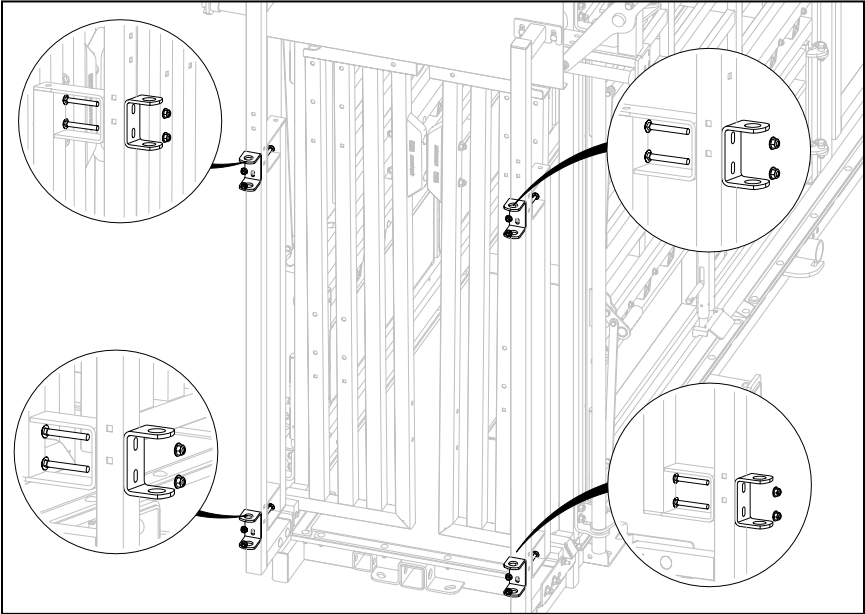
REQUIREMENTS:

- 2 people
- 1-1/8" Wrench
- 3/4" Wrench

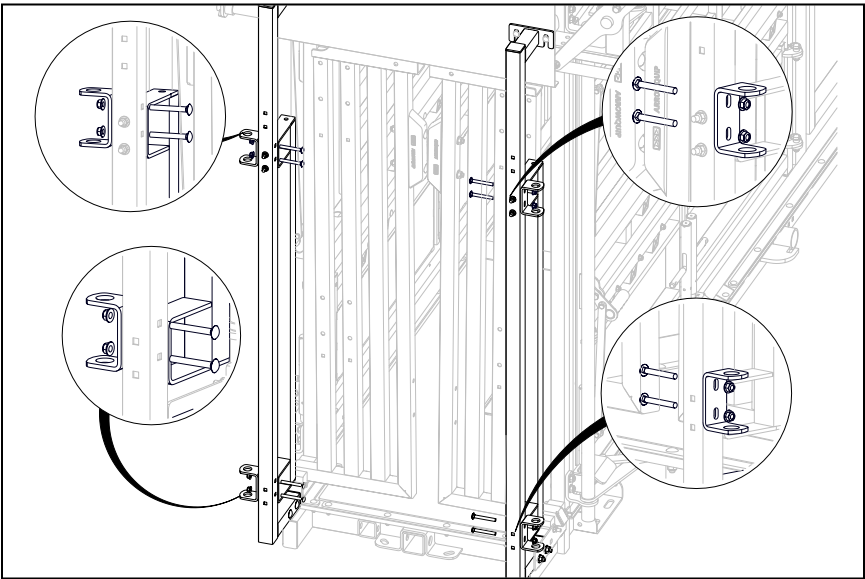
INSTALLATION:

NOTE: The balk gate cannot be installed without lug posts. For installation, refer to lug post installation.

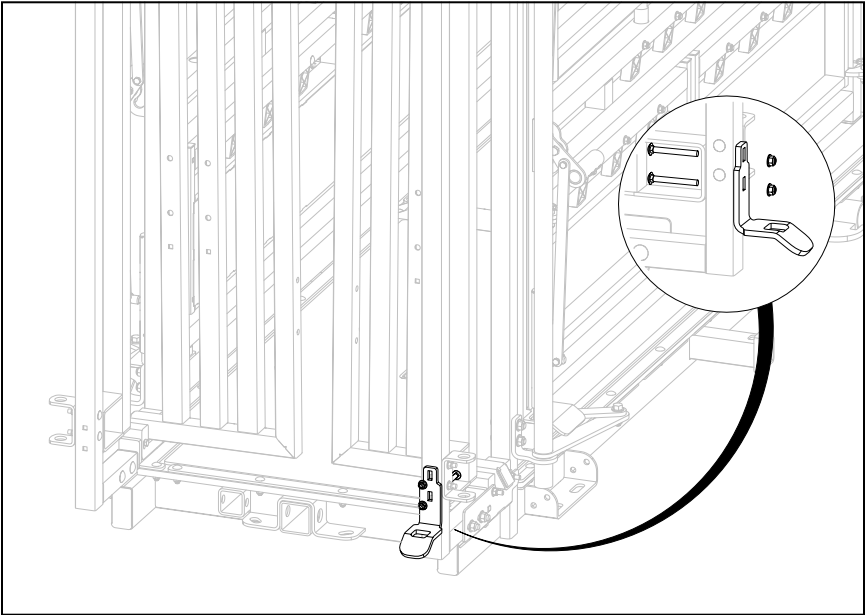
1. Remove front panel clips from front of Lug Posts.



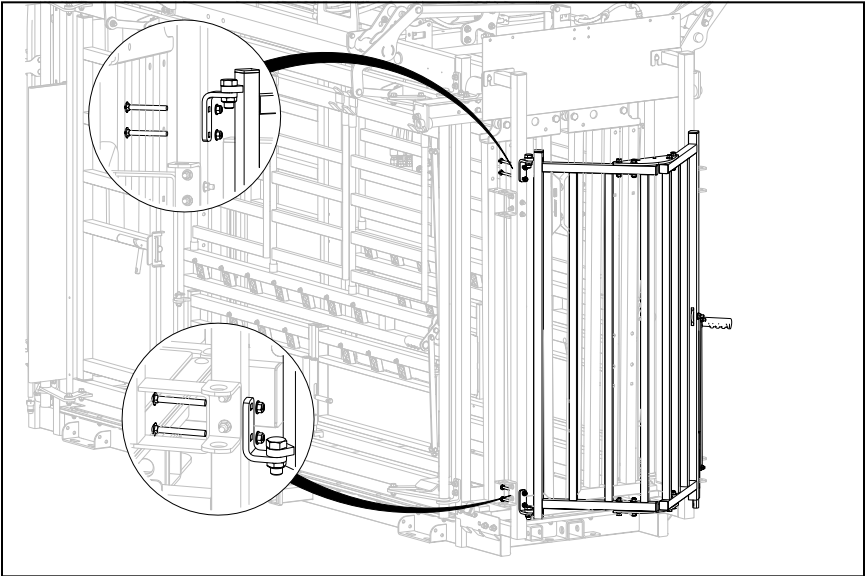
2. Attach panel clips to the side of Lug Posts.



3. Bolt on striker plate to the bottom of Lug Posts on opposite side.



4. Mount Balk gate and hinges to the front of offside Lug Post.



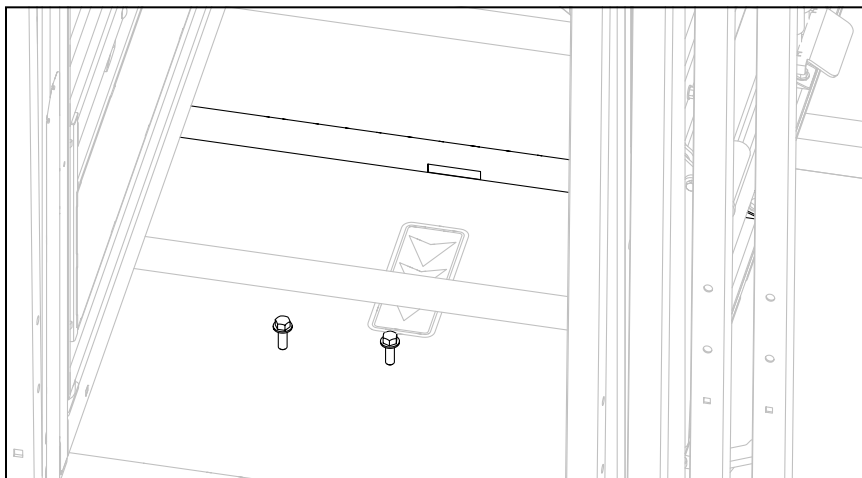
SHEETED STERNUM BAR

REQUIREMENTS:

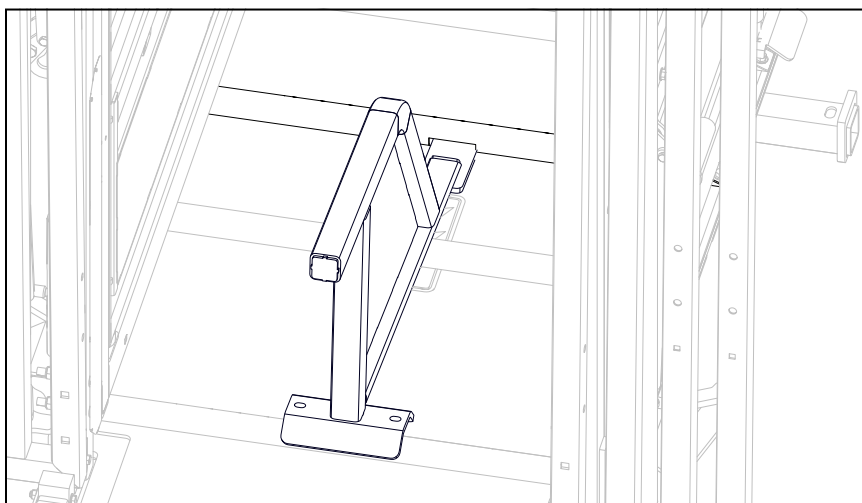
- 2 people
- 1-1/8" Wrench
- 3/4" Wrench

INSTALLATION:

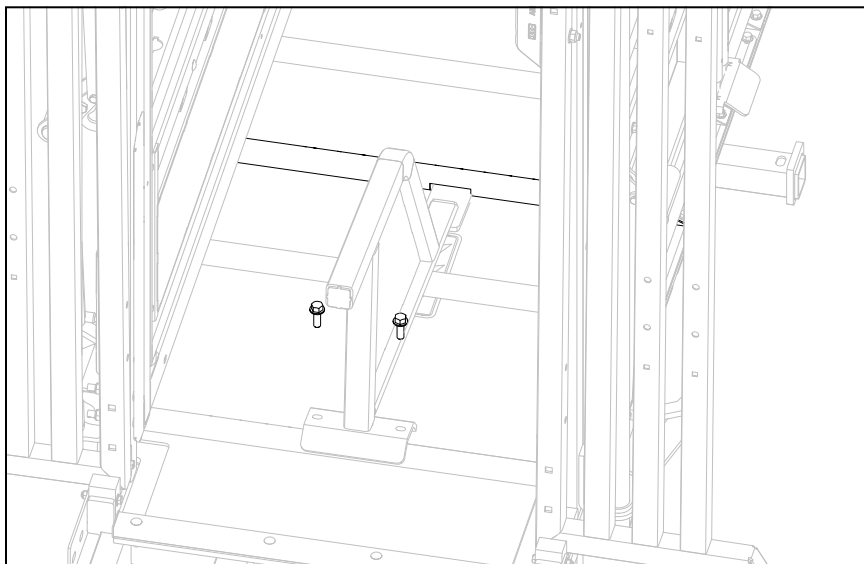
1. Remove stock bolts from hold down



2. Insert back-end of Sternum Bar into hold down.



3. Bolt down the front of the Sternum Bar.



SAFETY CHECK:

- Ensure the Sternum Bar is installed correctly before running cattle through the chute.

SAFETY PRECAUTIONS:

- It is recommended you remove the sternum bar when working calves.

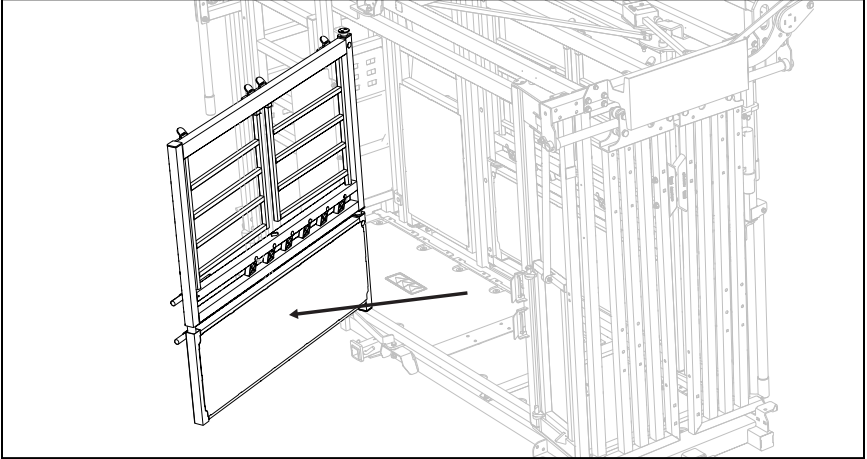
CALF RESTRAINER BAR

REQUIREMENTS:

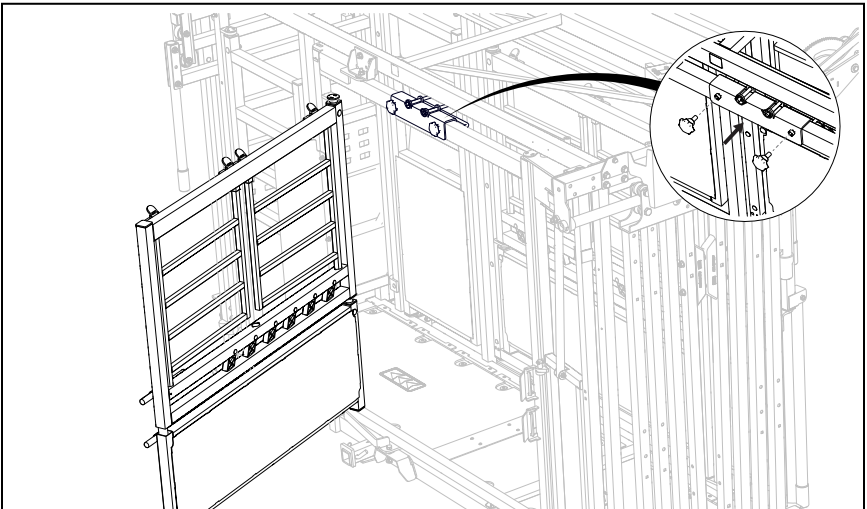
- 2 people
- 1-1/8" Wrench
- 3/4" Wrench

INSTALLATION:

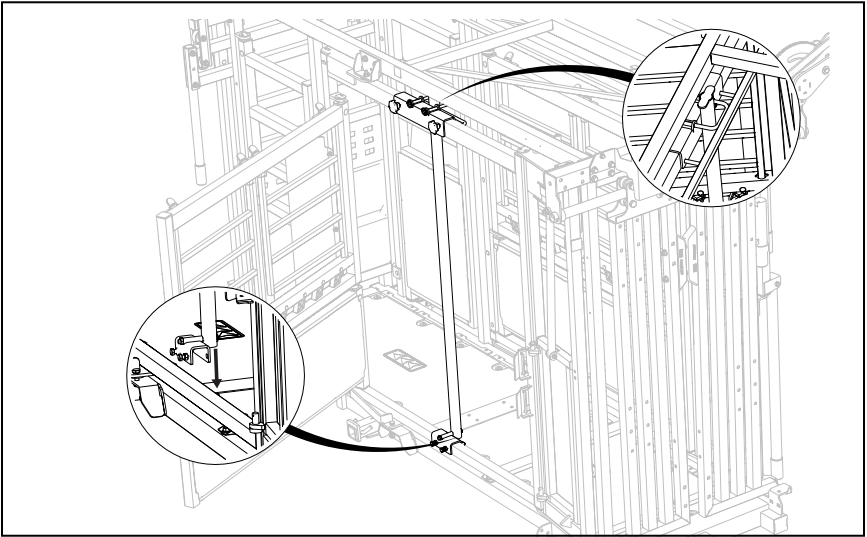
1. Open emergency doors.



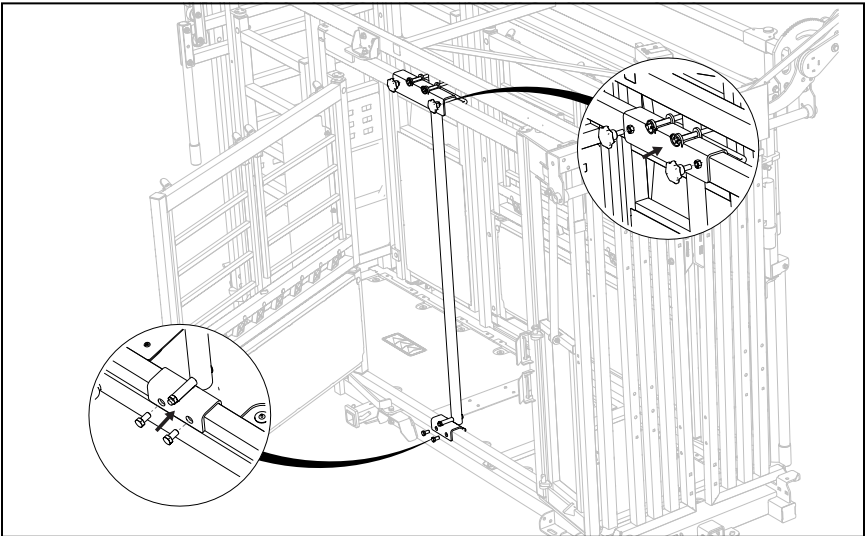
2. Mount on top bracket.



3. Insert Restrainer Bar into top bracket.



4. Set bottom bracket onto the squeeze frame.



WHEEL KIT

REQUIREMENTS:

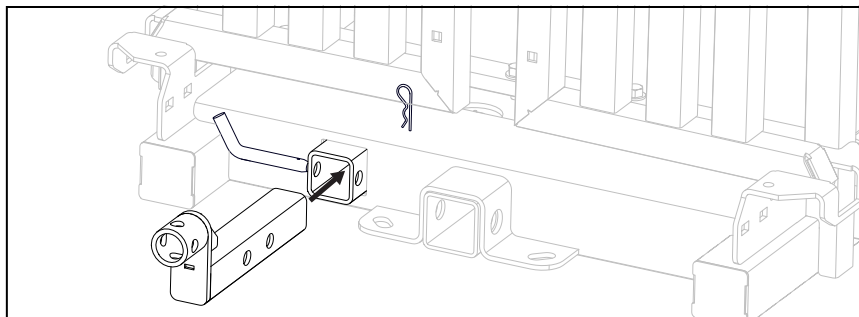
- 2 people
- Portable Wheel Kit

INSTALLATION:



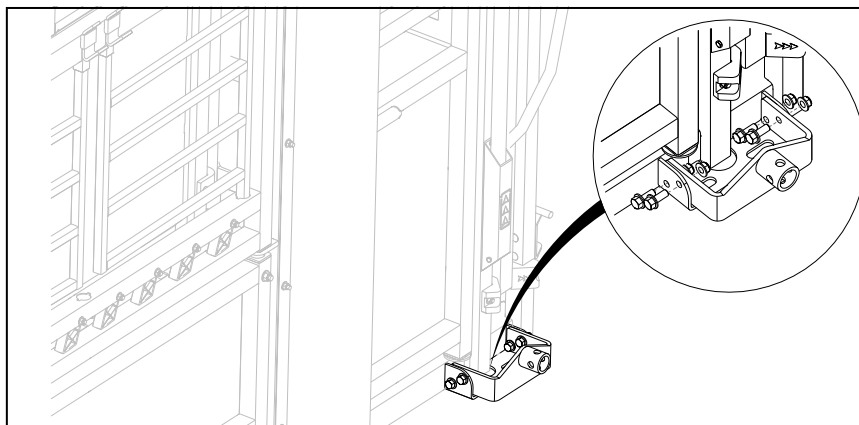
THE CHUTE MUST BE FLAT ON THE GROUND BEFORE PROCEEDING.

1. Mount the jack adaptor to the front of the chute.

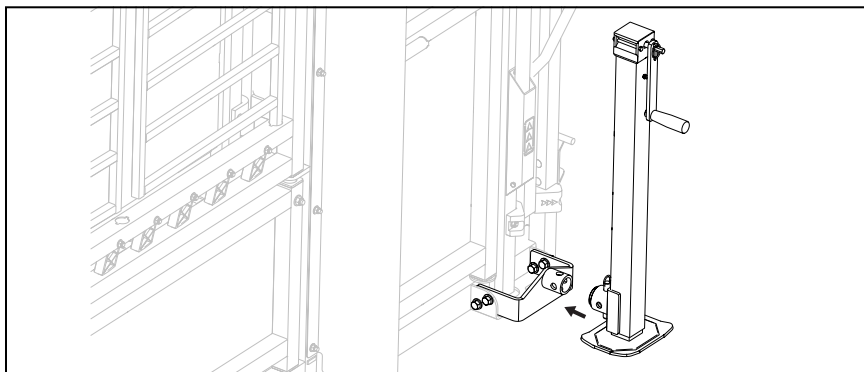


2. Bolt on mount brackets to the side of the chute..

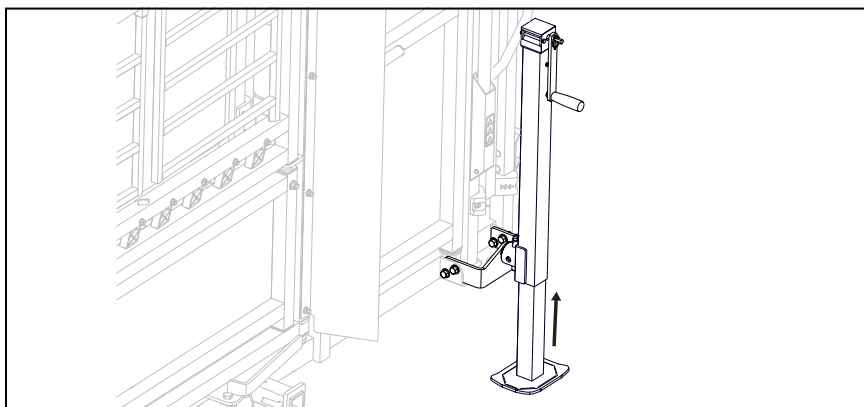
NOTE: If your chute was built after October 2025, the jack mounts have been integrated into the frame.



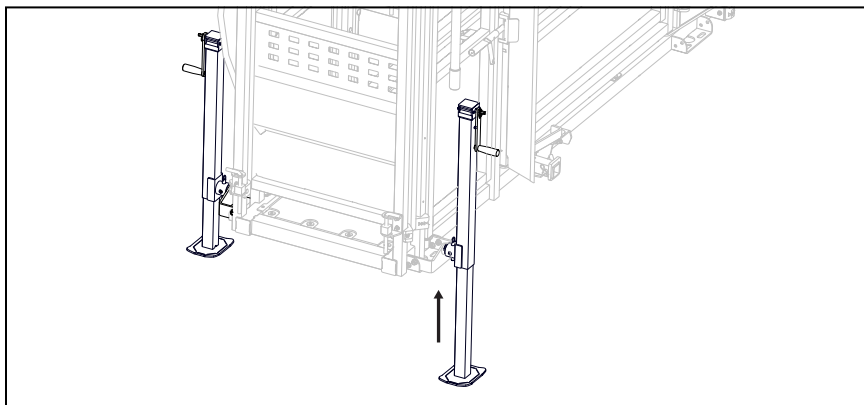
3. Install both jacks on the mounts located near the vet cage.



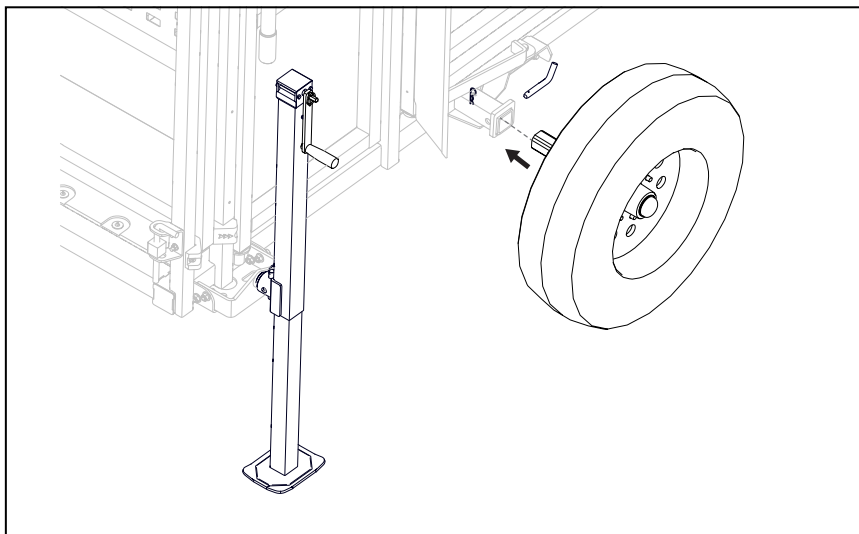
4. Using the jack, raise one side of the unit approx. 6" off the ground.



5. Raise the opposite side of the unit enough to install the wheel.

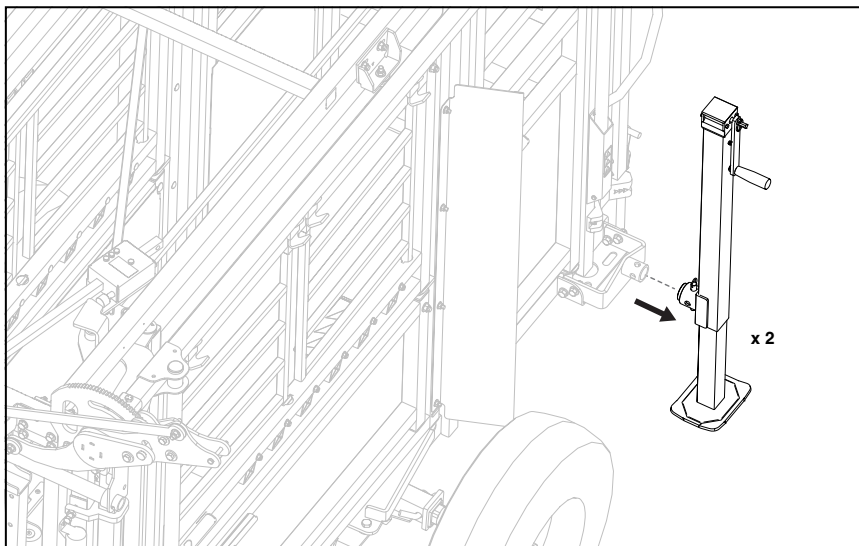


6. Install the wheel and secure with transport pins.

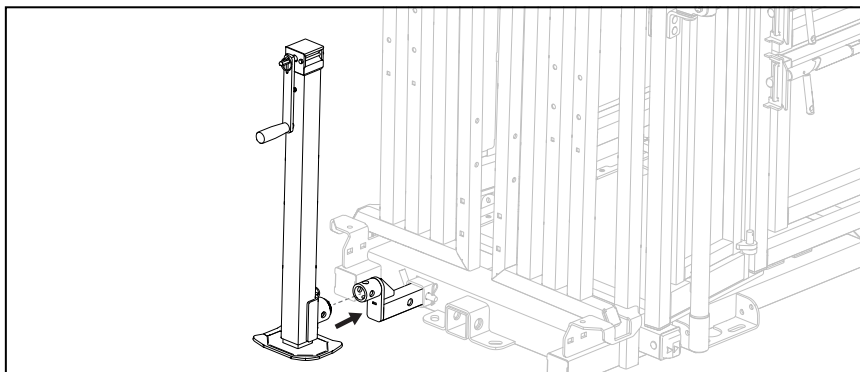


7. Repeat **STEPS 5 & 6** on other side.

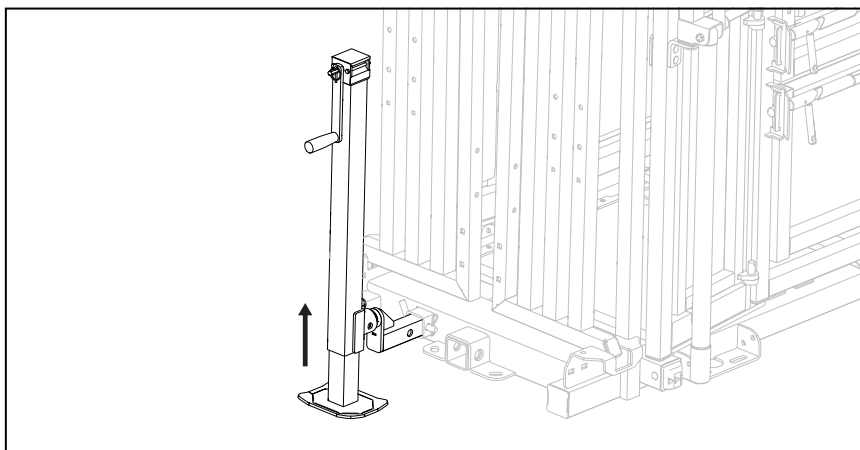
8. Remove both jacks.



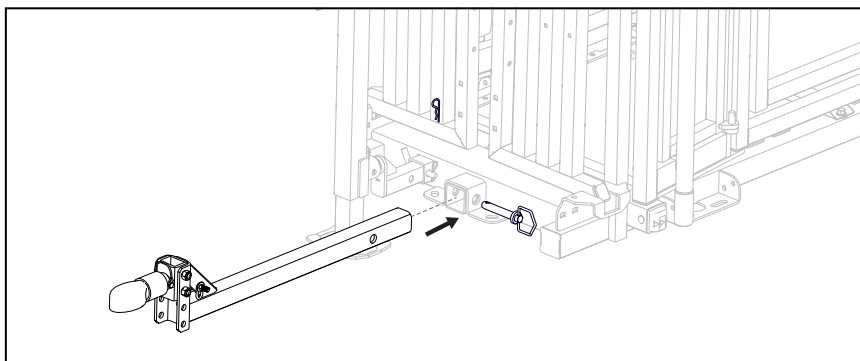
9. Attach the removable jack mount to the front of the chute and secure with the pin.



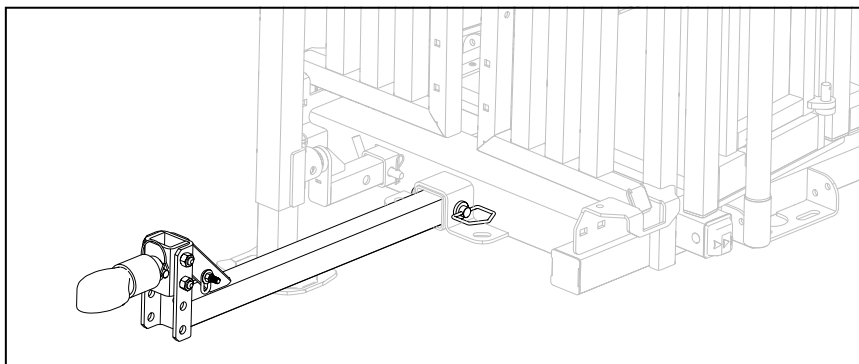
10. Using the front jack, raise the chute above the ground enough to install the hitch.



11. Install the hitch and secure with the pin.

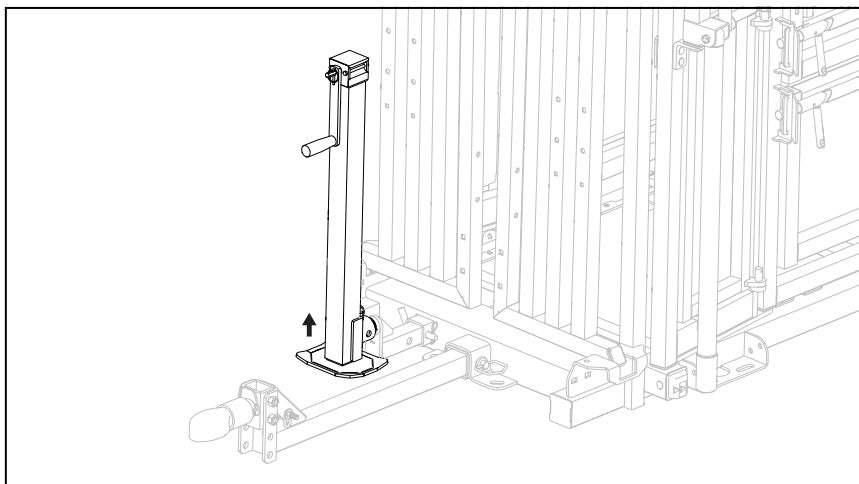


12. Attach the unit to the towing vehicle. Adjust the hitch to the proper position for the vehicle, if necessary.



NOTE: Ensure safety chains provided have been attached to the unit.

13. Retract the front jack completely.



SAFETY CHECK:



- Jacks are retracted completely.
- All doors and gates are shut.
- Tires are in good condition.

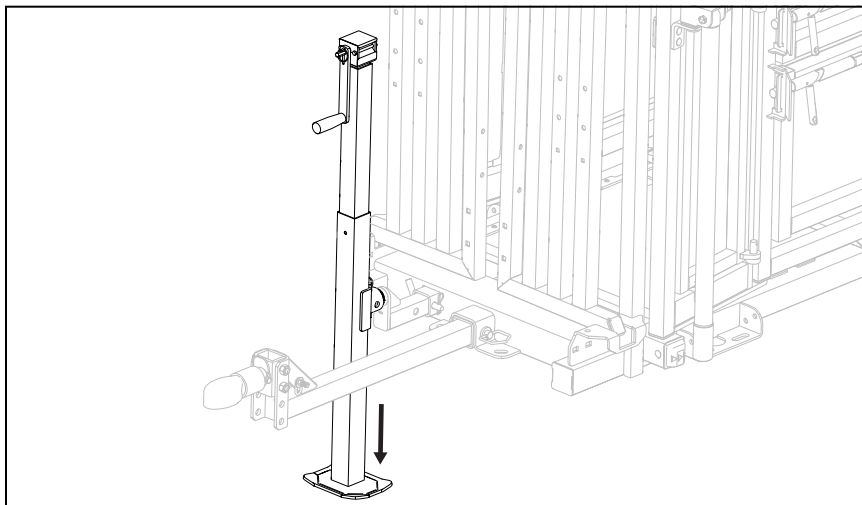
MAXIMUM SPEED: 50 KPH / 30 MPH

REMOVAL:

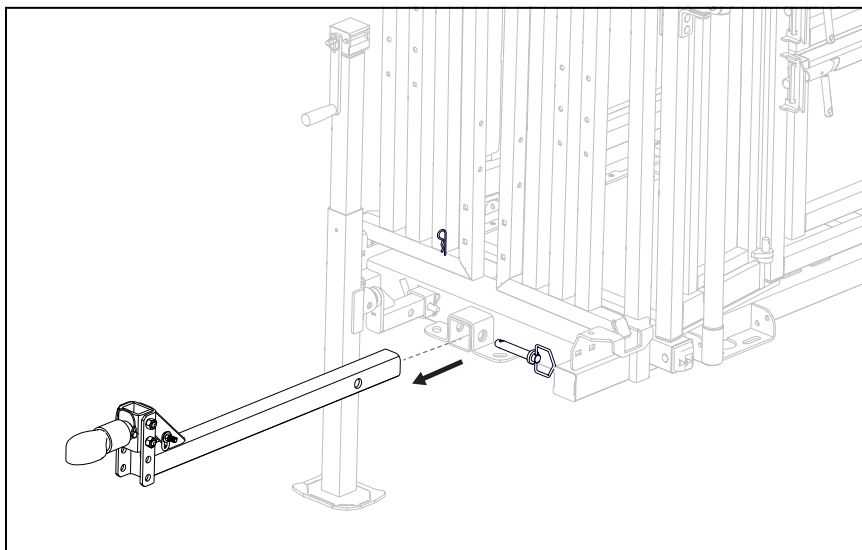


ENSURE YOU ARE DISCONNECTING THE CHUTE ON FIRM, LEVEL GROUND BEFORE PROCEEDING.

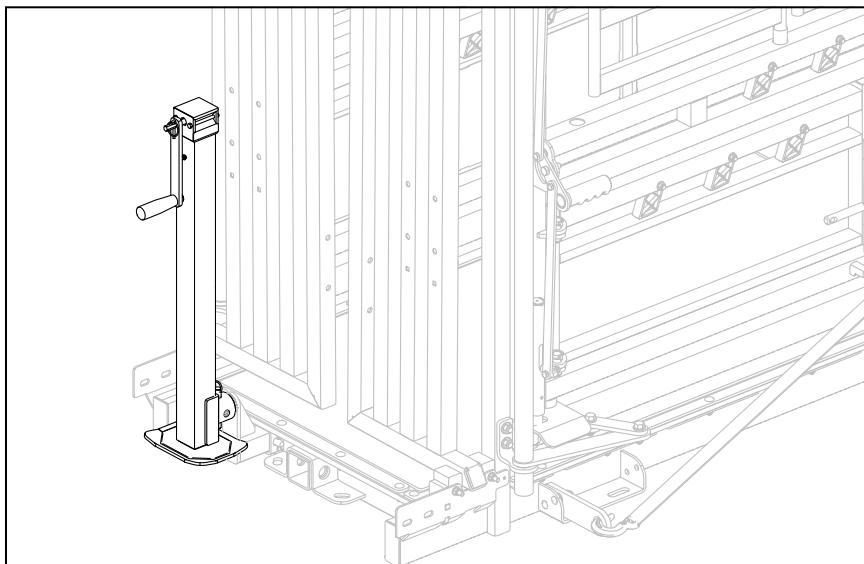
1. Lower the front jack to the ground and unhook the unit from the towing vehicle.



2. Remove the hitch.

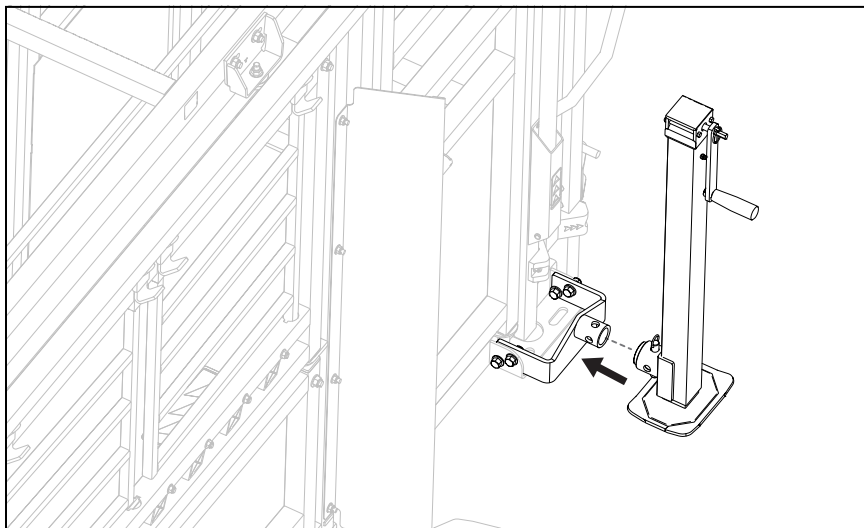


3. Using the front jack, lower the chute to the ground.

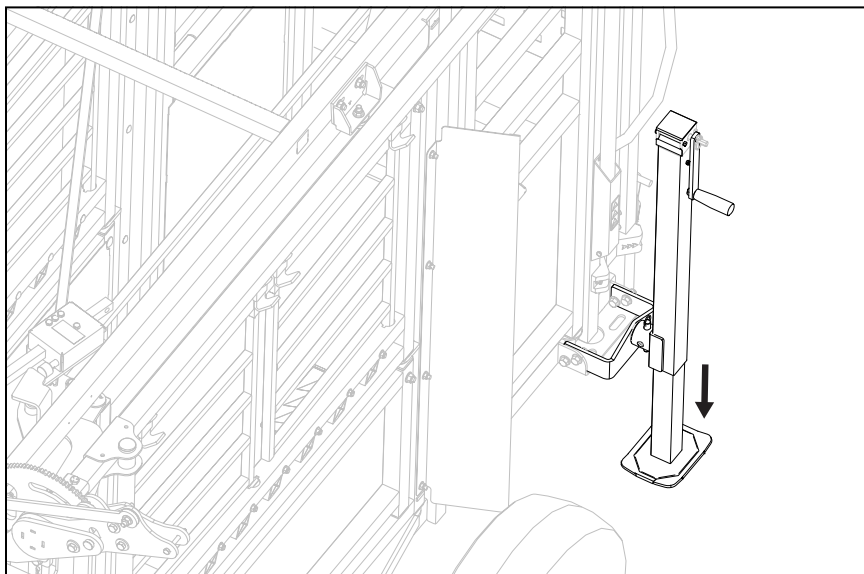


THE FRONT SECTION OF THE CHUTE MUST BE LYING FLAT ON THE GROUND BEFORE PROCEEDING.

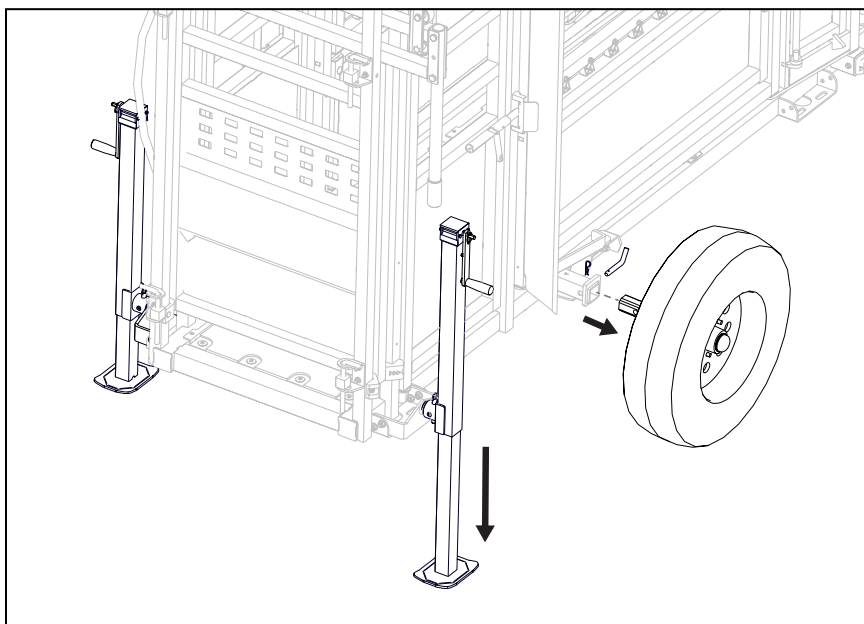
4. Transfer the front jack to the rear mount. Attach the second jack to the opposite side.



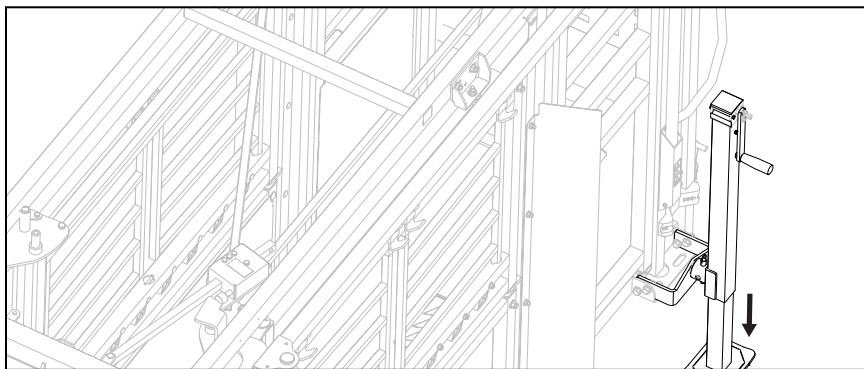
5. Using the jack, raise one side of the unit halfway.



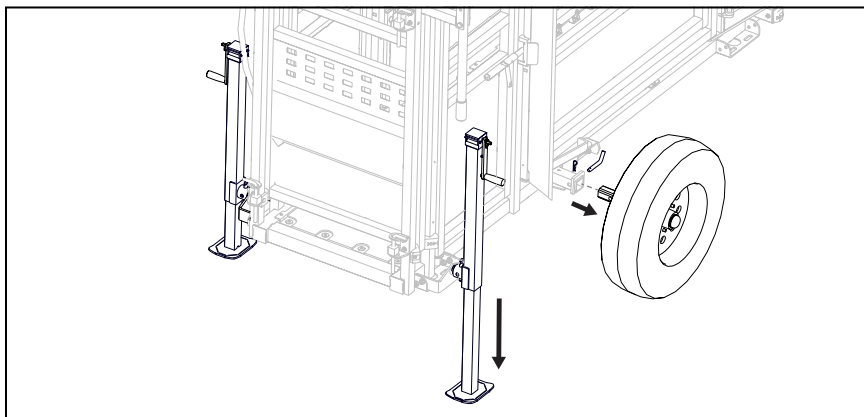
6. Jack the opposite side of the unit all the way up. Remove wheel and set safely aside.



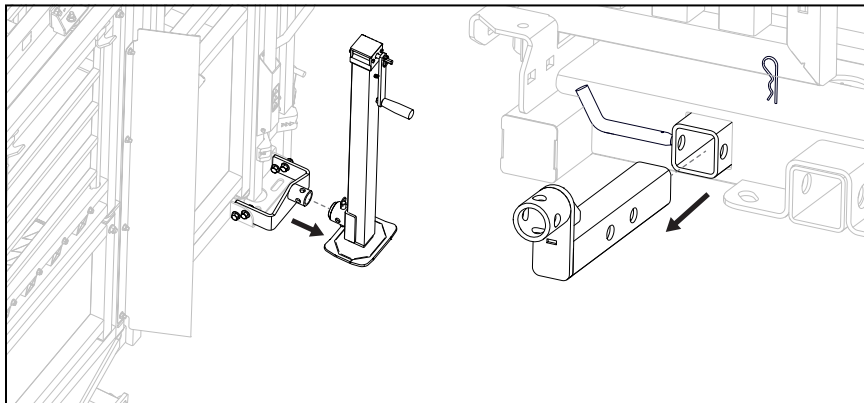
7. Jack the other side the rest of the way up. Remove wheel and set safely aside.



8. Retract both jacks until the chute lays flat on the ground.



9. Remove jacks and front jack adaptor. Set aside.



SAFETY CHECK:



- Inspect for damages due to transport.
- Head gate and squeeze mechanisms are functioning properly.
- All latches on doors, gates, and panels are functioning properly.
- When applicable, all add-ons are properly installed and functioning.

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.

HYDRAULIC HEAD SWEEP

Your Powerlock 105 Series will come with the hydraulic head sweep installed. If you are having trouble with your hydraulic head sweep, contact Client Care at 1-877-275-6075.



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**

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