

POWDER RIVER[®]

• LIVESTOCK HANDLING EQUIPMENT •

001-51000

M1500 Manual Chute

Owner's Manual



Powder River Inc.
PROVO, UTAH
www.powderriver.com
800-453-5318

Safety Symbols



DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

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



CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

**SAFETY
INSTRUCTIONS**

Safety instruction (or equivalent) signs indicate specific safety related instructions or procedures.



Powder River is the leading manufacturer of quality, ranching equipment. Since 1938, Powder River has been partnering with North American ranchers. Powder River's trademark green is recognizable all across the country in quality panels, gates, squeeze chutes, cattle guards and much, much more.

POWDER RIVER

001-51000

M1500 Manual Chute

Serial # _____

Date Purchased _____

Store Where Purchased _____

SAFETY STATEMENT



WARNING

WARNING Handling livestock can be unpredictable and or dangerous. Using equipment properly may limit the risk of injury; however, be aware of the limitations of equipment. Cattle equipment may provide a safer, more efficient working environment, however, even the best equipment is no replacement for smart and safe livestock handling.

NOTICE

The M1500 Self Catch Chute is NOT designed for mature bulls.

Initial Setup

The M1500 squeeze chute is packaged for shipping, a few tasks will need to be performed to ready the chute for handling cattle.

Setup Overview

1. Remove any banding, wrap, or ties.
2. Use a $\frac{3}{4}$ " wrench to loosen the tailgate retention tab. Loosen tab until it can be maneuvered freely.
3. Follow headgate handle installation procedure.
4. Loosen kickpan tab bolts. The tabs should move freely.
5. Adjust chute floor to desired width.
6. Test headgate, tailgate, and center squeeze to ensure proper operation.



CAUTION

Side-exit, safety pin should be in locked position when not exiting animals through the side exit. Stand clear when the using side exit.(page 7)

NOTICE

Side exit safety pin will need to be in the removed position to release animals from side exit.

NOTICE

Additional products may have been banded to the chute for shipping; all banding and products should be removed prior to use.

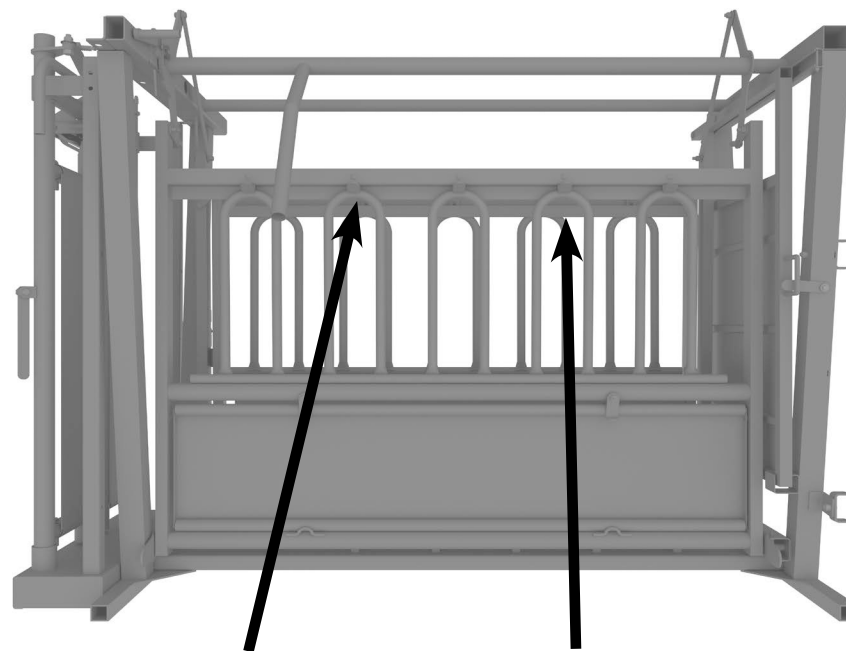
NOTICE

All bolts are tightened for shipping, some bolts will need to be loosened to properly operate the chute.

Forklift Lift Points

Exercise caution when moving the chute with a forklift or by any other manner. There are mechanisms that can be damaged and/or broken.

DAMAGE CAUSED BY LIFTING OR MOVING THE CHUTE IS NOT COVERED IN THE LIMITED WARRANTY.



Carefully lift chute with a forklift by placing forks through or in between the drop fingers on the chute squeeze. Use caution as parts of the chute may extend past the frame and can be damaged. Ensure that chute is balanced on the lift points. Different options may change center point.

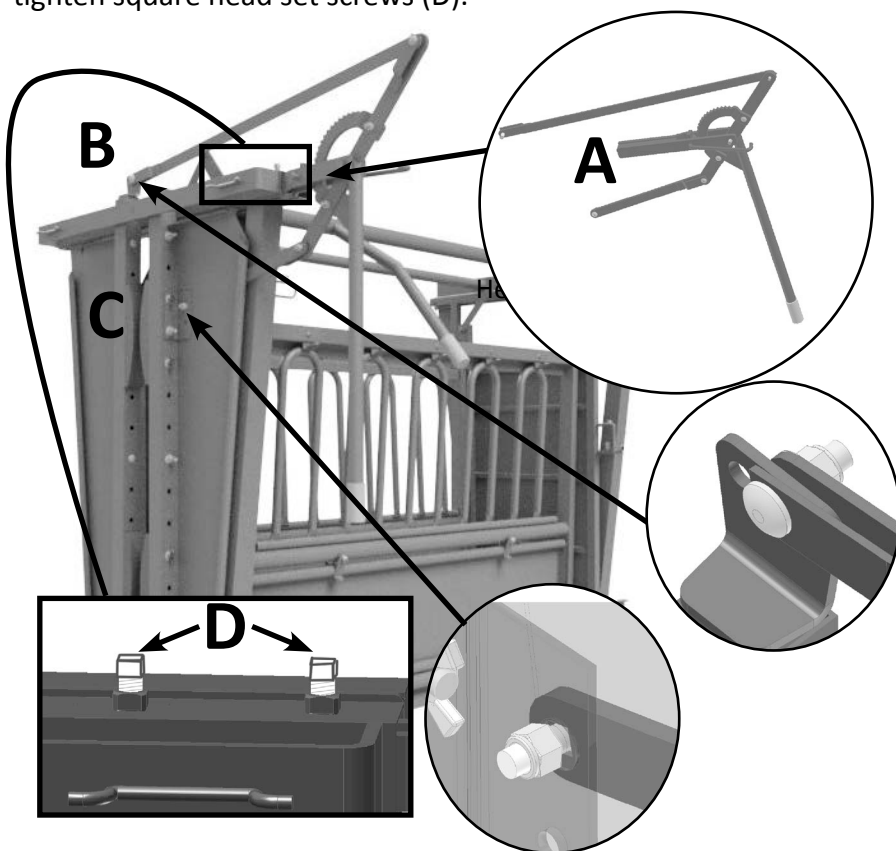
LIFTING FROM THE TOP RAILS MAY DAMAGE THE SQUEEZE MECHANISM.

NOTICE

After moving equipment, inspect squeeze, headgate, and tailgate functionality to ensure that they operate correctly.

M1500 Headgate Setup

The M1500 headgate linkage will be partially assembled and placed inside the chute for shipping. The handle assembly is installed by placing the assembly (A) into the chute chassis and attaching the linkage points (B)(C) to the stanchion covers. Open the headgate and ensure that both sides are at their widest point, tighten square head set screws (D).



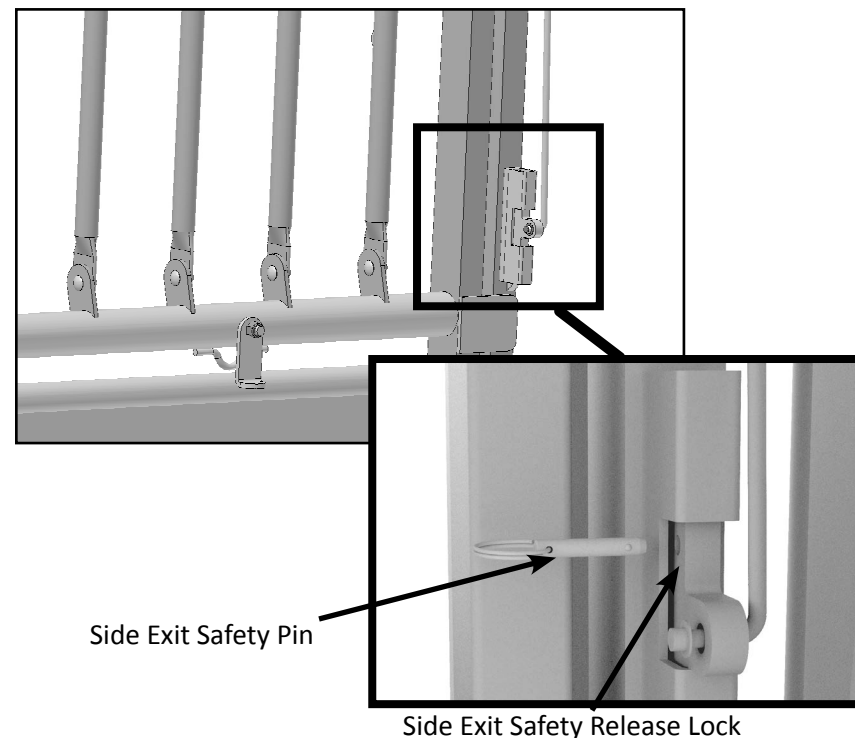
CAUTION

Ensure fastening hardware is secure. Nylock washers should have thread showing past the nylon bushing. The square head setscrews need to be firmly snug so as not to allow movement of the handle assembly.

Side Exit Safety

All Powder River Squeeze chutes are equipped with a side exit. This important feature is critical for the safe release of an animal in distress. It can also be employed to exit animals for sorting purposes. The side exit is actuated with a handle connected to a rope on operator's side of the chute. Pull handle to release gate.

The side exit on the 1500 series chute employs a safety pin to prevent accidental actuation. When someone is working on the 'side exit' side of the chute it is critical that this pin be in place to prevent accidental opening of the chute side.



CAUTION

Side-exit, safety pin should be in locked position when not exiting animals through the side exit. Stand clear when the using side exit.

Instructions for Use

Pre-Operation Checklist

- Begin with the tailgate closed.
- Adjust the width of the chute floor to the size of the animal (see Floor Adjustment), use a narrower setting for smaller animals and a wider setting for larger animals.
- Open the center squeeze to its widest position.
- Adjust headgate to desired width to allow the head to pass through but catch by the front shoulders.

NOTICE Make sure chute is on level ground.

NOTICE Minimize or eliminate all gaps between the lead-up alley and the chute.

Operation

1. Open the tailgate to allow animal to enter chute.
2. Catch the head of the animal in the headgate.
3. Close tailgate.
4. Apply the center squeeze.
5. To release, open center squeeze then headgate.
Alternately utilize the side exit.

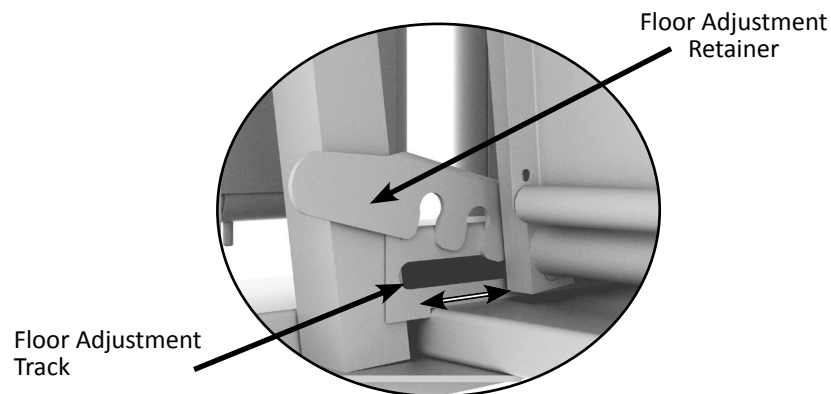
Floor Adjustment

1. Raise the Floor Adjustment Retainer.
2. Slide squeeze side to desired placement.
3. Lower the Floor Adjustment Retainer fully to secure squeeze side.

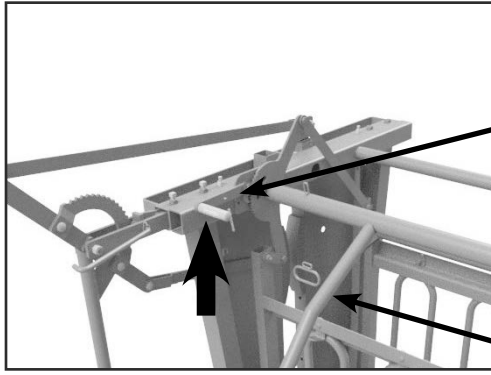
NOTICE When transporting the chute, ensure the Floor adjustment Retainer is in the down position.

NOTICE The chute floor is easier to adjust when the sides are in the vertical position.

NOTICE If desired, the front or back width of the floor can be set independent of each other.



Manual Controls



NOTICE

To release the center squeeze Push Up on the center squeeze release handle.

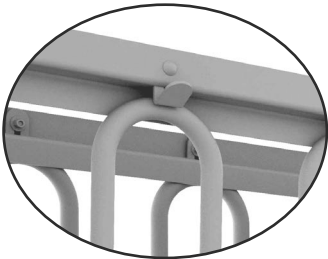
NOTICE

To actuate the center squeeze push down the center squeeze handle.



CAUTION

When releasing the center squeeze with livestock in the chute, the center squeeze handle may rotate up unexpectedly when headgate handle release is being actuated. Place hand on squeeze handle to control release.



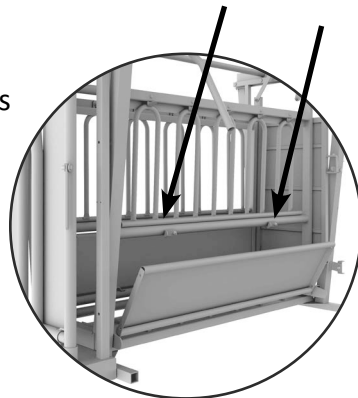
Drop Fingers

The drop fingers on the chute are utilized by pushing up the slam latch and dropping the tube.

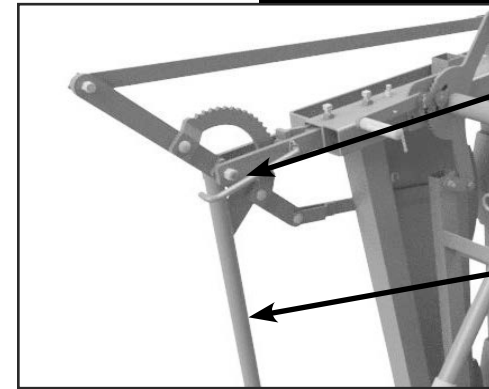
Kick Pans

Lower the kick pan by moving both tabs to a horizontal position and pulling out on the pan.

Kick pans can be completely removed if desired by lifting the pan out of the retainer braces.



Headgate Controls

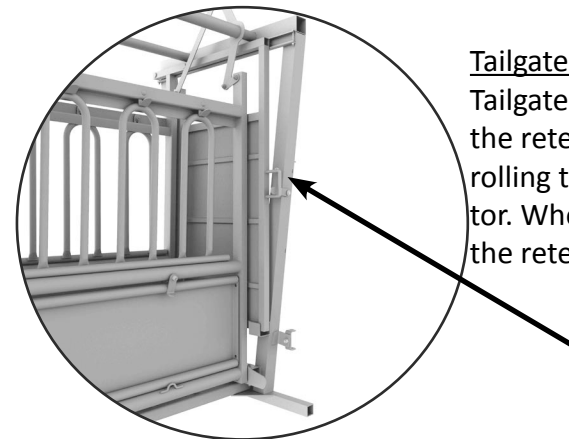


The Headgate handle is used to close the headgate and apply leverage to ensure a tight catch. To open headgate the release handle is moved upward. When catching animals do not place a hand on the release handle to avoid unintended headgate openings.



CAUTION


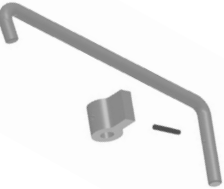
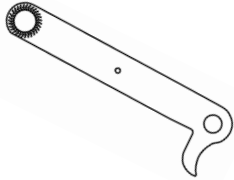
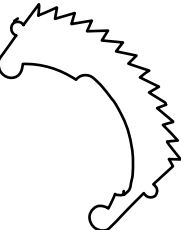
When operating the chute with livestock keep all people and body parts out of the path of the headgate handle. Check for wear on the squeeze mechanism and release lever condition before every working session. Replace parts as necessary.



Tailgate Operation


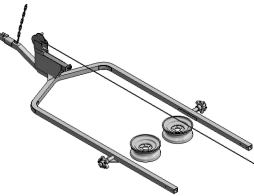
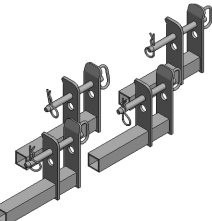
Tailgate is opened by releasing the retention latch and manually rolling the door toward the operator. When gate is closed replace the retention latch.

Replacement Parts

Part Number	Description	Image
202-08240	Chute Ratchet '04	
002-00232	Left Trip Handle and Dog Assembly	
001-20050	Center Squeeze Pawl	
305-10190	Center Squeeze Pawl Spring	NO IMAGE
201-20062	Center Squeeze Ratchet Teeth	

NOTICE For information on additional replacement parts please call 800-453-5318.

Recommended Products

Part Number	Description	Image
004-00040	Value Pregnancy Test Gate	
002-59100	H2000 Compatible Chute Trailer	
002-59110	XL Trailer Stirrup Set	

Maintenance Schedule

Before Every Working Session	
Lubrication	The M1500 Manual Chute may require lubrication from time to time. Apply as needed.
Inspection	Inspect chute for broken, worn or damaged parts.
	Ensure that the headgate, tailgate, squeeze, and side exit operate smoothly and close securely.
	Check bolts, springs, linkages, and latches, to make sure the chute is in good working order.
Before AND After Every Working Session	
Clean	Clean the chute floor, headgate and tailgate from dirt, manure or any other debris to keep chute in good working order.
As Needed	
Inspection	Check for damage that may have been caused by transit, livestock, and/or weather. Inspect the chute for any damage that may cause harm to operator or animal.

If you need assistance or have any questions regarding your Powder River equipment please contact us at:

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