

CATTLEMASTER

SERIES 12



Hydraulic Chute
USAGE INSTRUCTIONS

TARTER
FARM AND RANCH EQUIPMENT

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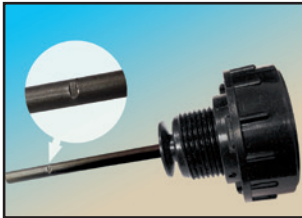
Hydraulic Chute

USAGE INSTRUCTIONS

1. Before Using Chute

- Place CattleMaster® hydraulic chute on level area.
- Grease all zerk fittings on chute.
- Spray aerosol oil on all latches, hinges and linkages.
- Unscrew and remove plastic shipping plug from hydraulic fluid chamber. ▶
- Remove breather cap from plastic manual container on top of chute.
- Screw breather cap with dipstick into hydraulic fill port and hand-tighten. ▶

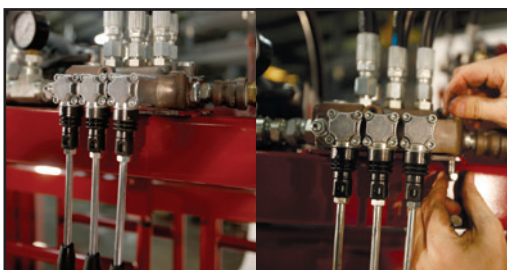
CAUTION: Do not over-tighten or use any tools to tighten breather cap.



- Check hydraulic fluid by unscrewing breather cap with dipstick. Fluid level should be at full mark on dipstick. If fluid level is low, add AW-32 Premium Hydraulic Fluid.



- Remove control levers from shipping bracket (black L-shaped bracket) by unscrewing nuts on 2 small bolts located on black L-bracket. Discard small bolts. ▶
- Unscrew the nuts on the 2 remaining long bolts located on the L-bracket. Discard the L-bracket.
- Move control lever panel to where the levers are facing downward on the outside edge of the frame. The hole on the lever panel should line up with the holes from where short bolts were removed. Place long bolts into the aligned holes and hand-tighten nuts. Tighten both bolts and nuts. ▼



2. Pre-Operation Check

- Locate 110 volt electric cord on top of chute and plug into an outdoor, grounded, heavy-duty (10 or 12 gauge) extension cord.
WARNING: Do not use a light-duty household or light-weight extension cord. Do not exceed 100 feet of extension cord. If gates or squeeze panels are sluggish or motor bogs down while attempting to operate, you do not have adequate power. This can be caused by an undersized extension cord or power outlet located too far from the main power supply.
- Make sure all cords and plugs are out of the way of people and animals.
- Plug chute into 110 volt outlet and let pump run a few minutes.
- Test all three cylinders by operating all levers (opening and closing doors and squeeze chute) before loading animals.

3. Control Levers



Lever one
(1) controls
headgate
operation

Lever two
(2) controls
squeeze
operation

Lever three
(3) controls
tailgate
operation

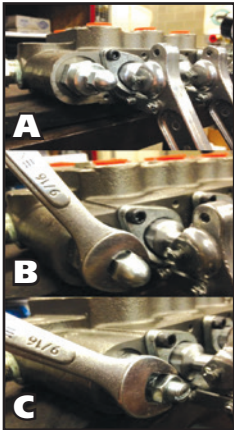
All levers work the same way. Push handle in to close gates or tighten squeeze panel. Pull handle out to open gates or release squeeze panel.

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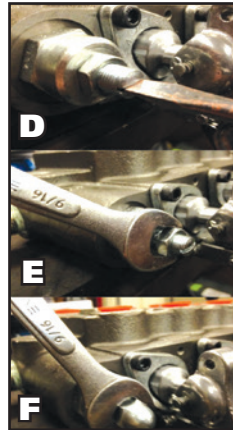
4. Adjusting Hydraulic Pressure



A. Locate the set screw situated to the left of the Hydraulic Control Valve levers.

B. Using a 9/16" open end wrench, remove the set screw cover, exposing the pressure adjustment screw.

C. Using a 9/16" open end wrench, loosen the jam nut and back it off allowing for modification of the pressure adjustment screw.

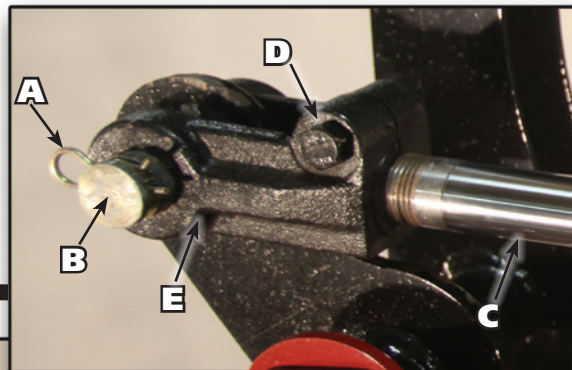


D. Using a standard flat-blade screwdriver, rotate the adjustment screw clockwise to increase pressure and counterclockwise to decrease pressure until the desired pressure is achieved. An optimum working pressure of 1100-1200psi is required while the pump is engaged and under a load.

E. Use 9/16" open end wrench to tighten the jam nut to prevent unwanted movement of the adjustment. Replace and tighten the set screw cover.

5. Adjusting Hydraulic Cylinder Arms

The CattleMaster hydraulic chute has 3 fully-adjustable hydraulic cylinder arms (located on top of chute) that can be adjusted (in or out) to fine-tune the operation of each cylinder's control independently.



A. To adjust hydraulic cylinder, pull cotter pin out from grooved slot on clevis bolt located in center of the cylinder control arm.

B. Pull clevis bolt out of cylinder control arm.

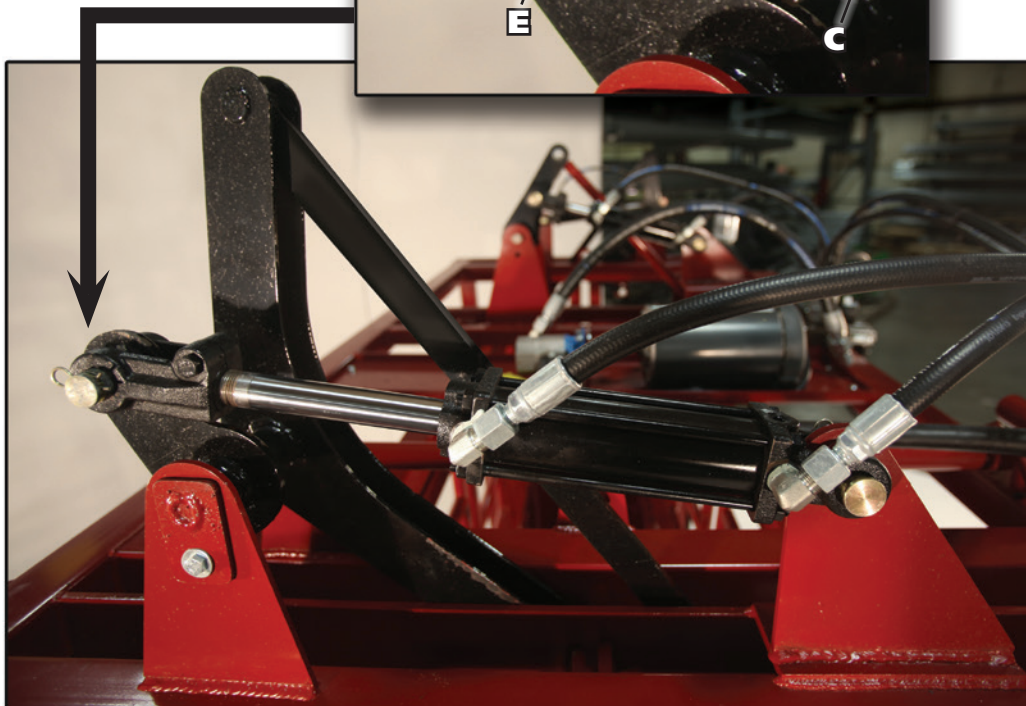
C. Raise cylinder shaft upward, until it is free from control arm.

D. Loosen locking bolt located on top of the black end of the head piece on cylinder shaft.

E. Grab black end of the cylinder head and turn. Threading out will make the doors come closer together and threading in will make the doors wider.

F. When adjustment is completed, tighten locking bolt and lower cylinder shaft until clevis bolt fits back into center of cylinder head and control arm.

G. Place cotter pin back into slot of clevis pin.



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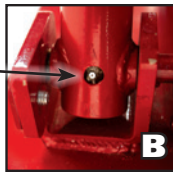
6. Care and Maintenance



There are 7 zerk grease fittings on the chute. These should be periodically checked and greased.

A. Each of the 3 hydraulic arms on top of the chute have a zerk fitting. See photos of chute on right for locations of fittings.

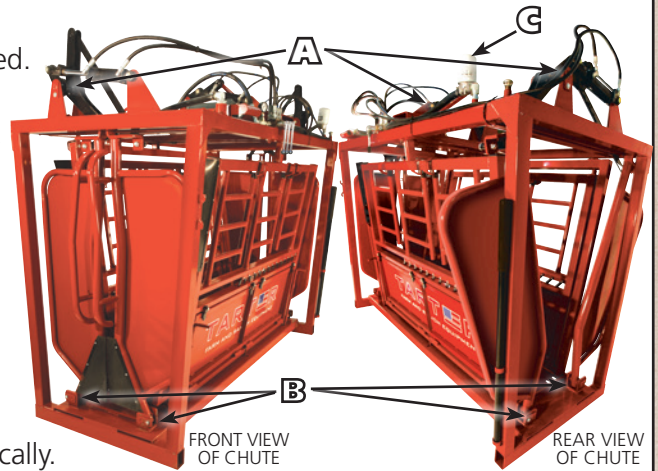
B. At the base of each squeeze panel is an individual zerk fitting. See photos on right for locations of fittings.



Nortrac Filter #778648



C. Check filter seasonally for buildup and wear, replace filter after 5,000 hours of operation, or if chute behaves erratically.



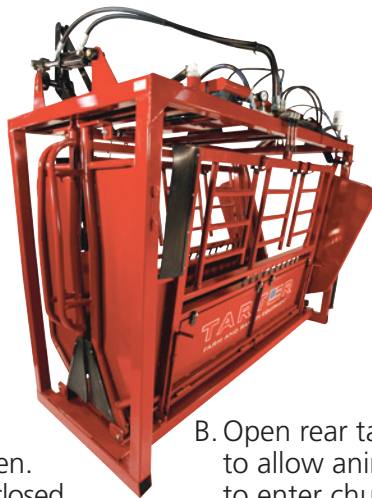
FRONT VIEW OF CHUTE

REAR VIEW OF CHUTE

7. Operation (Catch)



A. Starting Position - Squeeze panel open. Front & rear gates closed.



B. Open rear tailgate to allow animal to enter chute.



C. Close rear tailgate to secure animal in chute.



D. Partially open front headgate to allow animal's head through.



E. Close front headgate to secure animal's neck.



F. Close sides to tighten (squeeze) animal's body.




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7. Operation (Release)






G. Release pressure on squeeze panel when finished with animal.

H. To release animal, open front headgate. Close front headgate and open rear tailgate for next animal to load.

I. For oversized animals or for sorting, animals can be released from the control side of chute. To release animal, rotate locking mechanism on escape side and pull down on escape handle located on the control side. Escape door will swing open.

To close door, just bring in squeeze panel and door will slam shut.

8. Adjusting Side Panels



B. Push side of gate in or out as needed.

A. Pull up on pin lever until lever is free of slot on adjustable floor.

C. Push lever down until it is securely locked into the selected slot on adjustable floor.

D. If needed, repeat procedure on other end of chute.

Adjustable side panels can be moved in or out independently or in unison with opposite end. Both sides are adjustable.

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9. Access Features

A. Open individual side doors to access any part of the animal by releasing access lock on the top of desired door.

Note: To remove door – while opened, lift door up and out from chute frame.



B. Dally Hooks (located on both sides of chute's exit) can be used to tie the animals head to the side.

C. Neck Access Area – Rubber flap is flexible, allowing easy access to neck and shoulder area of animal.

D. To access lower part of animal, turn tabs above the desired split-bottom panel and fold panel downward.

To close panel, raise panel upward and turn tab down to lock panel in place. **Note:** To remove door completely, open pan and slide to the side.

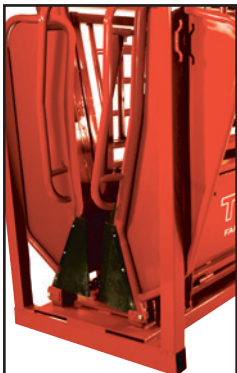


E. Neck Extenders – Designed to hold animal's head straight. Perfect for tagging ears and examining head. Loosen bolt at top and bottom of each extender to slide in or out to fit various size animals. Can be removed.



F. Blinders (located at the foot of the chute's exit) reduces the animal's want to lower their head.

G. When the animal is in the chute and caught, insert backup bar in horizontal opening of chute. Once bar is secure in both sides, slide bar forward in ratchets until it is against back of animal. Backup bar is stored near chute's entrance.



For further information regarding your CattleMaster Series 12 Hydraulic Chute, call 1800-773-4283 or go to www.TarterUSA.com