

Priefert®

Horse & Stock Equipment

P.O. Box 131 * Scone NSW 2337

www.priefert.com.au

1- 800-609-669 * Fax: 02 65451338

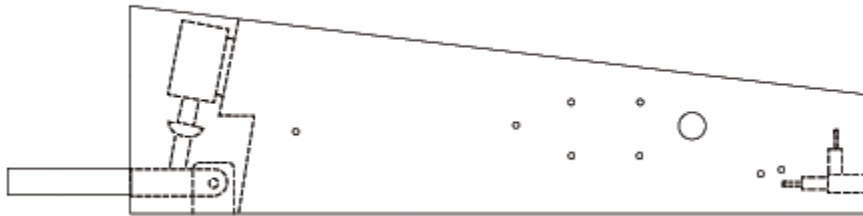
Remote Roping Chute Setup & Operators Instructions (Manual Roping Chute Steps 4 & 5 Only)

1. Screw air fitting into hole marked air supply at back of the Automatic Control Box (ACB) bolted to the top of roping chute. Suggest occasional lubrication of air intake at fitting hole, WD-40 or light oil.
2. Connect electrical cord to 110 volt outlet.
3. Connect air supply to fitting at the back of (ACB). Set regulator on air compressor at 60 to 90 psi.
4. Lubricate all working parts including tailgate before operating the RC. Use WD-40 or other light lubricant. Heavier oil collects dust and restricts proper operation. Note: Frequent lubrication will be necessary until excess paint is worn off working parts.
5. The urethane brake system on top front of the chute and springs on each side of the chute are pre-adjusted at the factory and should not need to be adjusted until chute has considerable use on it.
6. On remote control box, button #1 releases front gate, #2 closes front gate, #3 opens tailgate, #4 closes tailgate.
7. On model with the delay feature, the toggle switch on the back of ABC energizes or de-energizes the delay mechanism. The delay is energized when the switch is in the up (on) position. The dial near the switch selects the amount of delay, as the dial is rotated clockwise the time delay increases (counterclockwise decreases). When the toggle switch is moved from “off” to “on” the front gate will open. The gate will also open when the chute is connected to electricity if the toggle switch is in the “on” position.
8. We recommend a minimum of 2hp compressor that will produce 3.1 cfm at 90 psi, with a 4 gallon tank.

NOTE: Bleed air tanks after each use to prevent condensation. Ideally, place water trap between tank and Roping Chute.

INSTRUCTIONS FOR AUTOMATIC ROPING CHUTE ASSEMBLY

1. Take the cover off the control box.
2. Take the manual release and return handles off the roping chute.
3. Replace the manual return handles with the flat straps included in the kit.
4. Cut the plastic zip tie that is holding the electric release solenoid.
5. Place the automatic control box on top of the roping chute. Using the $3/8 \times 2 \frac{1}{2}$ inch bolts and flat straps provided, bolt the box to the roping chute.
6. Using the existing holes on the roping chute, bolt the new trip lever: in. Try to get the solenoid in a straight line. (See Illustration)



7. Bolt the front cylinder into place. Use the gray rubber coated conduit to run your air hoses.
8. Bolt the rear cylinder and cylinder shield into place. Make sure the cylinders are in no type of bind or stress.
9. Hook the air and electricity up and test the roping chute.
10. The speed of the cylinders may be increased or decreased by regulating the air with the air regulators on the back of the control box.
11. Make sure air lines are not kinked.
12. If everything works correctly, close the box.

Electrical Requirements and Recommendations

Motor loads such as air compressors can create voltage spikes on the AC circuit they are connected to when the compressor is turned off and on. It is important that the wire size supplying the compressor is adequate or these spikes can become extreme and damage electronic equipment in the roping chute control box.

A roping chute control box should be connected to a separate circuit from the air compressor if possible. The following charts will allow the user to determine the minimum wire size required to service the air compressor associated with the roping chute.

Air Compressor	50'	100'	150'	200'	250'	
½ hp	12	12	12	10	10	10A
¾ hp	12	12	10	10	8	14A
1 hp	12	12	10	10	8	16A
1 ½ hp	12	10	10	8	8	20A

Environments with ambient temperatures greater than 105° F should consult local electrical codes for wire sizes.

Never connect the roping chute and the air compressor to an extension cord which does not meet the above wire size requirements.