STYLE 3428 APOLLO ROVER
OPERATING AND MAINTENANCE INSTRUCTIONS

The Akron Style 3428 Apollo Rover is designed to provide efficient trouble-free operation for many years. The following operating and maintenance instructions are provided to assist in obtaining the best possible performance from this unit.

OPERATING INSTRUCTIONS

The Rover is designed to operate with both wheels locked. To lock the wheels, the operator must turn the chrome disc located on the insides of both the wheel brackets. TRY TO TURN BOTH WHEELS TO ENSURE THAT THEY ARE PROPERLY LOCKED BEFORE OPERATING. To release the wheel locks, pull chrome discs and rotate 1/4 turn.

An adjustable safety chain with a hook is provided on the front of the unit. Connect the hook to a rigid stationary object in front of the unit such as a stake, parking meter, manhole, car wheel, etc. and pull the chain tight. DO NOT OPERATE THE UNIT WITHOUT THE SAFETY CHAIN SECURED. To release the hook and lengthen the chain, hold the spring loaded latch open and pull the chain through the eye of the hook.

The Rover is designed to grip on certain surfaces by embedding the two ground spikes into the surface on which it is operating. These spikes will not grip on metal, marble, or similar hard surfaces. Do not operate on these surfaces without securing the unit with rope or some other means, in addition to the safety chain.

The ground spikes are made of a special hardened steel and are to remain sharp through extended use. If after use the flats on the ends of the spikes exceed 1/16" diameter, the spikes must be sharpened or replaced. (See Maintenance Instructions)

The maximum safe operating pressure for this unit is 200 PSI.

Do not exceed the following discharge pressures with straight tips.
13/8" Tip 100 PSI
11/2" Tip 100 PSI
13/4" Tip 70 PSI
2" Tip 50 PSI

Do not exceed 800 GPM with a fog nozzle.

The following hose arrangement is recommended for this appliance. Use two hoses and bring both hoses back from the siamese parallel to each other. Loosely tie the hoses together 10 feet from the Rover with a hose or ladder strap, rope, etc.
When the Rover is operating, do not attempt to move the unit itself or the 10 feet of supply hose closest to it.

The main U-shaped handle may be removed by releasing the two locking pins which secure the handle to the axle. To release the pin, push the plunger in the center of the T-handle and hold down while removing the pins. DO NOT OPERATE THE UNIT WITHOUT THE U-SHAPED HANDLE PROPERLY INSTALLED.

⚠**WARNING:** When the Apollo Rover is used on concrete, each spike must be "set" with a 16 oz. hammer or equivalent. After the Apollo is hooked up and ready to flow, set the spikes by striking the top of each leg, over the ground spike, with a sharp blow from a hammer or other tool sufficient to drive the spike at least 1/8" into the concrete. This process must be repeated each time the unit is repositioned on a concrete surface.
As previously stated, the Apollo should always be secured with a safety chain or ropes before using on any surface.

⚠**CAUTION**: Wear safety glasses or face shield when setting the spikes.

MAINTENANCE INSTRUCTIONS
The following routine maintenance procedures will prolong the proper operation of this appliance.

• The horizontal swivel joint should be lubricated until a small amount of grease appears through the hole in the swivel plug on either side of the grease fitting.

⚠**CAUTION:** Avoid excessive pressure when using a grease gun. This may damage the O-Ring seals in the joint. Use D-A Lubricant Polylube NLGI Grade 1 or equivalent.

• Examine the points of the ground spikes under the axle. If the point becomes flat and exceeds 1/16" diameter, it must be sharpened or replaced. To sharpen, use a flat file or grinder and maintain the same taper as the original spikes. If a grinder is used, do not allow the spikes to become hot, or change color, since this will reduce the hardness and may allow the spikes to become dull.

• Check that both inlet clappers function properly. Lubrication is not normally required in this area.

• Check that the horizontal and vertical brakes mechanism operate freely and apply a small amount of oil to the brake shafts.

• Check that the wheel mechanisms function freely and will engage in each hole on the inside of the wheels. Clean if necessary, and apply a small amount of oil to the plunger.

• Check that the latch of the safety chain hook engages properly in the chain.

• Check to ensure that both stop pins which limit the vertical and horizontal movement are in place and tight. Tighten or replace as required.

If any of the parts do not function properly, contact Akron Brass for repair instructions or return the unit to either Akron Brass Company or Akron Manufacturing Company.

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