

ROUTINE MAINTENANCE INSTRUCTIONS

Style 3411 Apollo™ S.I. Portable Monitor

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

Four grease fittings are provided for periodic lubrication. Use Low-Temp Lubriplate® or equivalent.

—The horizontal and vertical swivel joints should be lubricated until a small amount of grease appears through the holes in the swivel plugs on either side of the grease fitting.

CAUTION—Avoid excessive pressure when using the grease gun. This may damage the O-Ring Seals in the joints.

—The elevating mechanism must be lubricated in two places—the lower elevation arm and the upper adjustment bushing. NOTE: The upper grease fitting is designed to lubricate the whole threaded rod. It may be necessary to adjust the elevation while greasing the unit to ensure lubrication of the full rod length.

Examine the points of the ground spikes in the portable base. If the flat of any spike exceeds 1/16" (1.5mm) 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 spikes will not remain sharp in service.

- Check the spring loaded spike holders in the portable base to ensure that they move freely. Use a dry spray lubricant if lubrication is required.
- Check that the elevation stop operates properly and must be released to lower the unit below 35° elevation.
- Check that the straps are not worn and that the spring loaded latches on the buckles operate freely and securely grip the straps. Use a dry spray lubricant if required.
- Check that the horizontal brake operates freely and apply a small amount of oil to the brake shaft.
- Check that the latch of the safety chain hook engages properly in the chain.
- 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 at the address listed on this page.

To ensure continued quality performance, use only AKRON replacement parts.

In the U.S. – Phone: (800) 228-1161 • Fax: (800) 531-7335



AKRON BRASS
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WARRANTY AND DISCLAIMER: We warrant Akron Brass products for a period of five (5) years after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service.

We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; damage; failure to follow our instructions or recommendations; or anything else beyond our control. **WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.** Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

AB-591 (REV. 02/00) PRINTED IN U.S.A.
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NOTE: This product is currently no longer in production. For service and repair, please contact Akron's Customer Service at 800.228.1161 or 330.264.5678.

FIRE FIGHTING EQUIPMENT

OPERATING AND MAINTENANCE INSTRUCTIONS

Style 3411/3413 Apollo™ S.I. Monitor with Folding Legs

The Akron Style 3410/3412 Monitor 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

While operating in the direct mount flange or portable base, THE TWO CONNECTING PINS MUST BE FULLY ENGAGED AT ALL TIMES.

⚠ WARNING—Read And Follow the Warning Tag Instructions On the Lock Pin Lanyard.

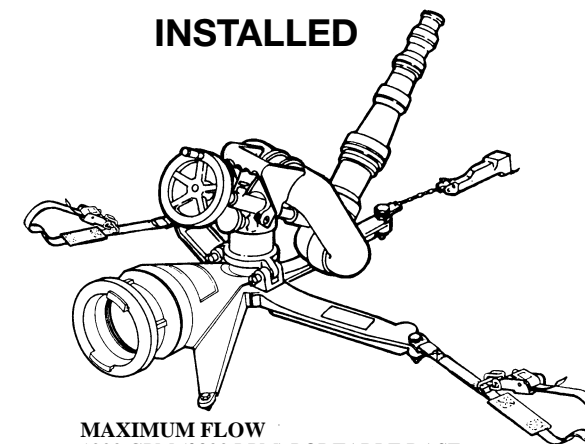
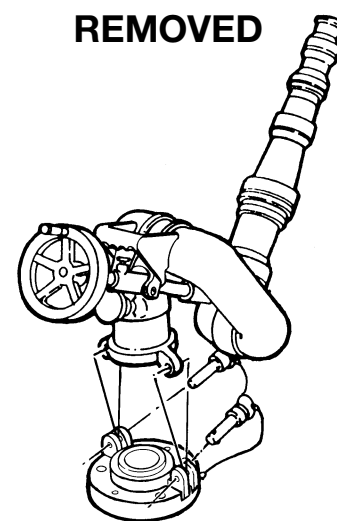
⚠ WARNING—If an Upper Deck or similar device is used to raise the Apollo above the height of the standard direct mount flange, the increased loads must be taken into consideration when developing the structural support. Inadequate structural support can result in damage to the inlet piping, causing injury to the operator or others.

⚠ WARNING—A 1/4 turn shutoff valve should not be used with the Apollo. If any other type of shutoff valve is used, it must be opened and closed slowly. Opening and closing a valve too quickly may result in damage to the Apollo and other equipment, which can result in an injury to the operator or others.



To remove the monitor from either the direct mount flange base or portable base, hold the monitor securely by the carrying handle and pull each lock pin straight out. (See drawing below.)

To install the monitor onto either the direct mount flange base or the portable base, place the monitor onto the appropriate base so that the holes in the ears are aligned. Then take one lock pin at a time and insert it through the holes in the ears. MAKE SURE BOTH PINS ARE FULLY ENGAGED BEFORE OPERATING. (See drawing below.)



MAXIMUM FLOW
1000 GPM (3800 LPM) PORTABLE BASE
1250 GPM (4750 LPM) DIRECT MOUNT

MAXIMUM PRESSURE
200 PSI (1380 Kpa, 13.8 BARS)

Also, do not exceed 1000 GPM (3800 LPM) when using a fog nozzle, unless the unit is secured in the direct mount flange base.

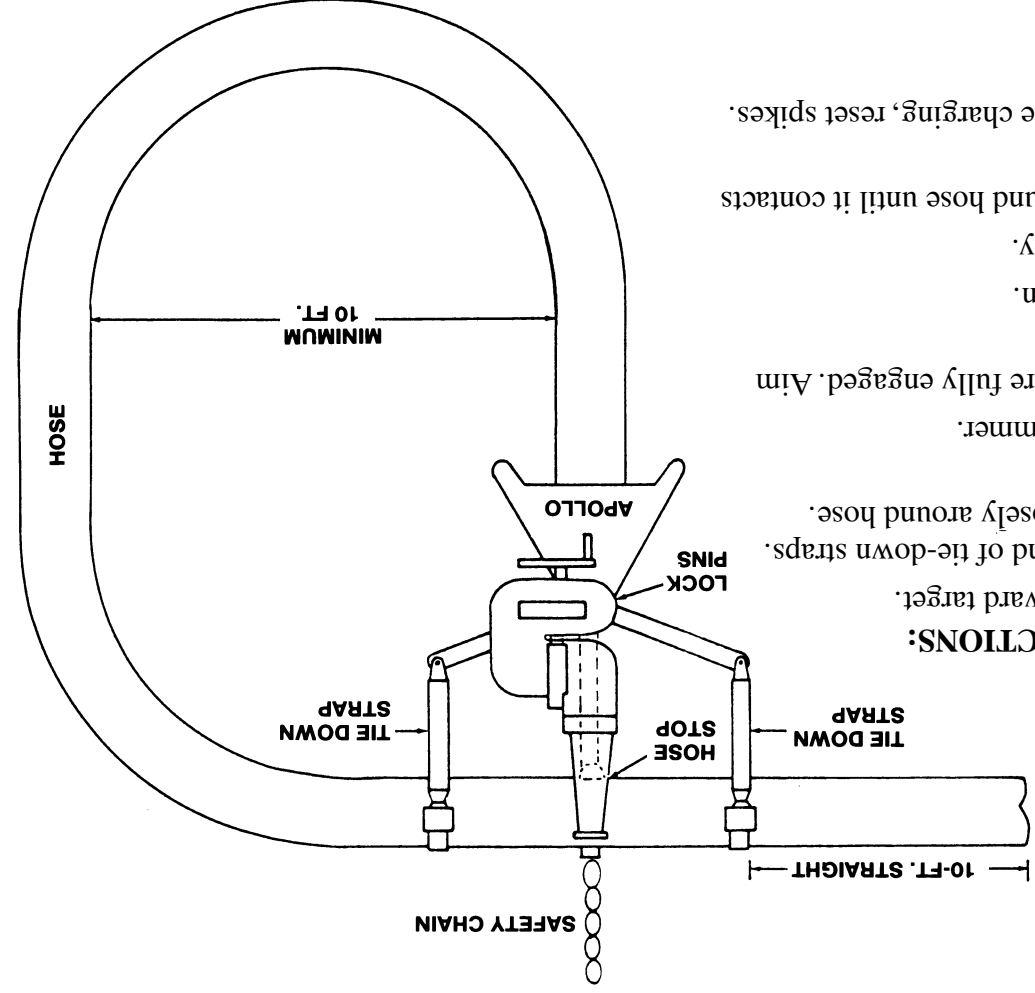
Be sure the storz or swivel is attached securely.

▲ WARNING—Read And Follow The Tip Pressure Tag Located On The Ground Mount Tag.

THE FOLLOWING HOSE SET-UP MUST BE USED TO PROVIDE NECESSARY STABILITY WHEN OPERATING THE STYLE 3411/3413.

▲ WARNING—Read And Follow The Set-Up Instruction Tag Located On Inlet Body.

▲ WARNING—Incorrect Hose Layout May Cause Instability.



SETUP INSTRUCTIONS:

Aim center leg toward target.
Slide buckles to end of tie-down straps.
Connect straps loosely around hose.
DO NOT tighten.
Set spikes with hammer.

Ensure lock pins are fully engaged. Aim discharge upward.

Secure safety chain.

Charge hose slowly.

Tighten straps around hose until it contacts hose stop.

If unit moves while charging, reset spikes.

When the unit is operating in the portable base, do not attempt to move or pick up any part of the base itself, the hose loop, or the 10 feet (3m) of straight hose ahead of the hose loop.
When the unit is stored in direct mount base or truck mount, it is recommended that the nozzle or tips be lowered against a rigid support or removed during transportation.

When changing from the direct mount flange base to the portable base, BE SURE THE OUTLET ELBOW IS ABOVE THE 35° VERTICAL SAFETY STOP. ENSURE THAT ALL FOLDING LEGS ARE FULLY DEPLOYED BEFORE USE. This is essential for proper stability in the portable mode. An adjustable safety chain with a hook is provided in the front of the portable base as an additional safety precaution. Connect the hook to a rigid stationary object such as a parking meter, manhole, car wheel, etc., in front of the unit, and pull the chain tight. DO NOT OPERATE THE UNIT IN THE PORTABLE BASE WITHOUT THE SAFETY CHAIN SECURED. To release the hook and/or lengthen the chain, hold the spring loaded latch open and pull the chain through the eye of the hook. In addition to the hook there is a snap hook on the end of the chain that can be hooked through the chain link.

IMPORTANT INSTRUCTIONS FOR USING THE STYLE 3411/3413 APOLLO™ S.I. ON CONCRETE SURFACES:

When the Apollo S.I. monitor is used with the portable base on concrete, each spike must be "set" with the head of the safety hook, a 16 oz. hammer or equivalent. After the Apollo is hooked up and ready to flow, set the spikes in rotation by striking the hex head bolt, over each ground spike, with a sharp blow from a hammer or another tool sufficient to drive the spike at least 1/8" (3mm) into the concrete. This process must be repeated each time the unit is repositioned on a concrete surface. As with any portable monitor, the Apollo should always be secured with the safety chain or ropes before using on any surface.

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

The portable base is designed to grip by imbedding the 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 stable means, in addition to the safety chain. The ground spikes in the portable base are made of a special hardened tool steel to remain sharp through extended use. If, after use, the flats on the ends of the spikes exceed 1/16" (1.5mm) diameter, the spikes must be sharpened or replaced. (See Maintenance Instructions.)
Each spike must be in uniform contact with ground surface at all times during use. Make sure that no large rocks or other debris are under the portable base during use, for this may cause the spikes to come out of contact with the ground surface. The maximum safe operating pressure for this unit is 200 PSI. (1400 kPa), in the direct mount base.
The Apollo S.I. Monitor is designed with a safety stop at 35° above horizontal to maintain stability when used in the portable base. Do not release the elevation stop and operate below that point unless the unit is secured in the direct mount base.

▲ WARNING—Read And Follow The Safety Chain Warning Tag Located On The Ground Mount Tag.

▲ WARNING—Read And Follow The Plunger Pin Caution Tag.

▲ WARNING—Under Freezing Conditions The Monitor Must Be Drained To Prevent Damage.

For use with 4", 4-1/2" or 5" hose only.

When used in the portable base, the unit should not be operated at more than 1000 GPM (3800 LPM). Therefore, do not exceed the following discharge pressures with straight tips unless the unit is secured in the direct mount flange base:

