



## HYDRA RAM UNLIMITED

594 HORSEPOUND ROAD  
CARMEL, NY 10512  
914-483-7215  
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### FIRST AID REPAIRS TO THE HYDRA-RAM

The Hydra Ram requires routine self-maintenance, and we recommend a monthly exercise. To do so, place the unit under load (a simple desk or vending machine will do) and pump it to extend the rod out to a minimum of 1" and leave for a few minutes to ensure it will hold pressure.

If you are experiencing issues with the Hydra Ram, you may try the following steps.

For self repair, try the following:

1. Stand the unit upright on the handle ring and drop a pen down the nickel sized hole in the front of the jaws. If the hole is 4" or less, you can generally fix it yourself. If the hole is more than 4", stop and send to the address above. It does not have enough charge to operate properly.
2. The release lever under the handle must be tightly closed. Snap it from the body by letting your finger off at that level. To ensure closure, tighten clockwise.
3. Pump the tool out the 4" (6" for the Hydra-Ram II) to its end. The tool at this point will lock up. If it doesn't, push the release lever and pump at the same time as the rod returns. This will flush the unit and may cure any internal components sticking. Try this 10 or 20 times. If this does not work, the following may be tried.
4. In the closed position, place your left hand on the handle in the down position. Let go and hit the handle with your two-pound mallet as the handle rises. This also may require 10-20 attempts. First flush, then strike. There are 4 chambers with balls and springs in each that may be hung up due to the lack of use. The above action may jar them loose.
5. If the release lever does not work, back out the screw on the release. Take off the spring from its end and oil both the male and female parts on the valve. Use the release as a wrench. Point to the right, push on to the stem, turn to the left (on & off) until you see 2 1/2 threads. **DO NOT UNSCREW SILVER VALVUE AS IT IS UNDER LOAD AND YOU WILL LOSE A CHARGE.** Put oil on the threads and turn the release clockwise to the closed position and set at 10:30-11:00 o'clock. Place the spring back on the end of the release and replace the screw.
6. If you notice the rod having a black build up of the seal residue, use a scotch-brite pad or back of sponge to scrub off and spray with WD40 to lubricate.
7. Extend the piston to the end and it should lock up and not be able to pull the handle down. Your unit is ok.

If you are still having a problem or need assistance with these instructions, please contact either Fire Hooks (732-280-7737) or Hydra Ram (914-483-7215) directly. Thank you.