

## Problem Solving Series

### *You hit the trigger and get big air but top media valve does not open.*

#### Identify Problem

Remove the two hoses from the top cylinder (push pull fittings)

With pot pressurized air should be coming out of top hose.

Pull the trigger light on small valve should light and air should shift form bottom to top.

If it does not shift the issue is in the valve.

Simple Remediation- This can be tried in the field, if it works you are back to blasting if it doesn't the valve will need to be dissembled and cleaned.



With CRS pressurized and the trigger pulled press this button with point of a pen. Be sure to feel which air line has air flow. After you push the button the air or valve should shift from one line to the other. Did it work? Get back to work!

## Manual Override

### **Manual Override does not work and valve needs to be cleaned**

**When the valve is opened it needs a clean surface and environment doing this in the field is not recommended but if you have to use a clean blanket and clean off as much dust form the machine as possible!**

#### **Cleaning Plunger**

**You will need to gently remove the plunger clean it lightly lubricate it and replace it.**

**The valve may or may not need to be removed to extract the plunger.**

This is the plunger out of the valve  
This is what you are going to clean, lube  
and reassemble.



Removing the valve,

Remove the 2 air lines (push pull fittings)

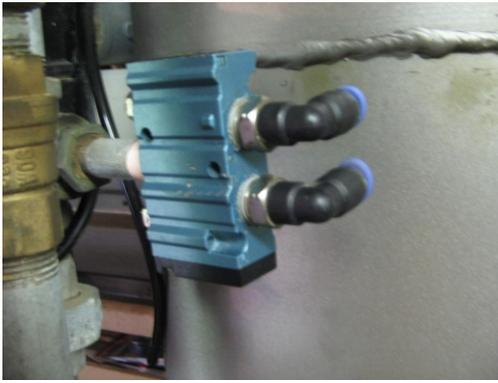
Unplug the wire that connects to this valve (6-10" of wire)

If there is room to unscrew the valve from the pipe go ahead and do that,

If there is not you will need to remove the solenoid (where wire connects to the valve)



Using Allen key remove these 2 screws to remove the solenoid. not location of holes etc.



This will easily thread off the 1/2" pipe



Remove black plate from bottom of valve  
Remove silver plate note holes and proper side etc.



Remove 2 gold mufflers inside you will see plunger



Using a small screw driver enter through top muffler hole carefully slide plunger towards the open end of the valve.

Clean plunger with clean cloth and using fine/ thin oil wipe down the plunger.

Clean out the plunger hole with air flushing.

Reassemble the valve. Hook up wiring and test.

When trigger is pulled the cylinder should go up, when released it goes down. If this is backwards reverse the air lines.