

This manual was originally posted to the Tribal forum of PBNation.com by ME262 of Fear Factory fame. I, usagi_tetsu, just did the gathering and creating of the document.

FIRST

Parts

First we have a tribal here with everything that should be in it for it to operate correctly, especially the little white valve dampener!! If you're lucky enough to have the stock one actually in the gun, they are a black color. I had to make one for this.



SECOND

AOC Assembly

Here we have from left to right: front cap, AOC plunger, AOC spring, AOC body, valve spring, cup seal and stem, valve and valve dampener.



THIRD

Ram Assembly

Here we have the ram assembly, left to right: hammer, dampener/o-ring (if you're lucky it might have the original one similar to one in a Impulse or Shocker bolt ram), cylinder, shaft, (2 different versions), end cap, and holder. There are also one piece versions of this with a snap ring in the middle like an Angel.



FOURTH

Bolt Damage

Now here is a good indication the valve dampener is missing, notice the scar on the bolt, this is caused by the bolt link pin slamming into the body since the dampener is missing. People with Red valves need to have the tapered section on the front of the valve machined down and install a dampener, or it will eventually hammer the body to the point you wont notice anymore, but you will lose consistency.



FIFTH

Ram Problems

If you are having problems with the bolt sitting too far forward and not letting the ball drop, or having consistency problems, look for these things here associated with the ram. First the rear plug, or holder screw, being loose.



SIXTH

Hammer Tips

And now the hammer, use red or green Loctite when you put it on - blue will not hold! - and you shouldn't need to remove the hammer very often anyways, as all the lubing can be done with the ram assembled. Also use blue Loctite on the rear plug. Notice how dry and clean the ram looks? You want a good coat of grease (Dow, Matrix Muck, etc) around the outside of the ram, (black part, not hammer) this one was like this, clean as a brand new part.



SEVENTH

Valve Problems

Something to look for is the tightness of the set screw for the valve. Use blue Loctite on it and be sure its snug, but not overly tight. If you see something like this, you'll know it's loose.



EIGHTH

With the Insulator Off



NINETH

Disassembled AOC

Here's an AOC taken completely apart.



TENTH

Useful Tools

Snap ring pliers can be used to remove the ram and AOC.



ELEVENTH

Useful Tricks

A good replacement for the missing AOC cap tool. Just use the horizontal Allen key as a lever to turn the cap out.



TWELFTH

Snap Ring Ram

Here is a picture of the other ram version with the snap ring, like what you see on an Angel.



THIRTEENTH

Stock Rechargeable Batteries

Here's kind of a weird thing, I decided to take one of the batteries apart, and it turns out your local Batteries Plus will make them for roughly 3 bucks apiece.

