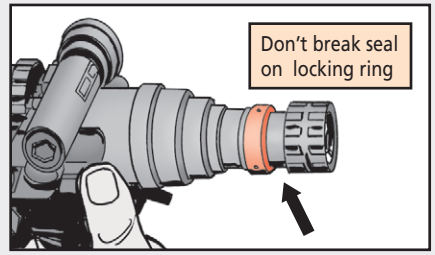
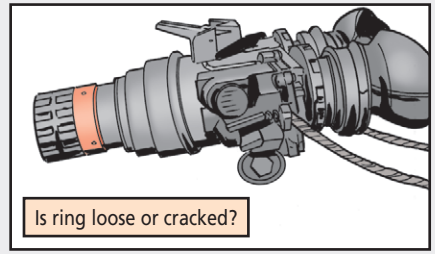
AN/PVS-7B, -7D...

INFINITY IS FAR ENOUGH

Unfortunately, operators, some of you aren't happy with the sharpest focus you can get. You're sure you can do a little better. So, you break the seal on the locking ring and start twisting the infinity focus. Soon, you've screwed the objective lens so tight against the image intensifier tube that you crack the lens at worst and reduce goggle performance at best. Neither of these is a good thing!



Operators, your job concerning the locking ring is to make sure it isn't loose or cracked like it says in TM 11-5855-262-10-2. It is not your job to loosen it. If the ring is loose or cracked, turn it in to your NVG maintainer for repairs.



Maintainers, your job is to reset the infinity focus and lock the ring in place. To ensure the locking ring stays in place, it is sealed with drops of sealing compound, NSN 8030-01-390-7555.

When the locking ring needs to be loosened, do it with cushioned slip-joint pliers, NSN 5120-00-624-8065. This is all part of the instructions in Para 3-13 of TM 11-5855-262-23&P-2.

NVD Eyepieces...

DON'T BREAK DIOPTER PINS!

The diopter adjustment rings on eyepieces of the AN/AVS-6 series, AN/PVS-7B or -7D and AN/PVS-14 let you focus your NVD even if you normally wear glasses. The rings adjust for the sharpest image possible in a range of +2 to -6 diopters. There's a small pin to keep you from overturning the ring.

But some of you want more!

You keep adjusting when there is no place to adjust to. It's not long until the pin snaps and breaks. So here is the rule: When the ring stops turning, you stop turning the ring! It's not going to get any better, and it could get a lot worse!

When you do your Before/After PMCS before you head out and when you return, be careful. In some cases, pins are breaking during the check!