



IMAGE INTENSIFIER TUBE UPDATE



If you order the MX-10130D/UV image intensifier tube, NSN 5855-01-504-4589, to use on your AN/PVS-7 night vision device, you may get a substitute. The substitute is MX-10130C/UV, NSN 5855-01-380-5098.

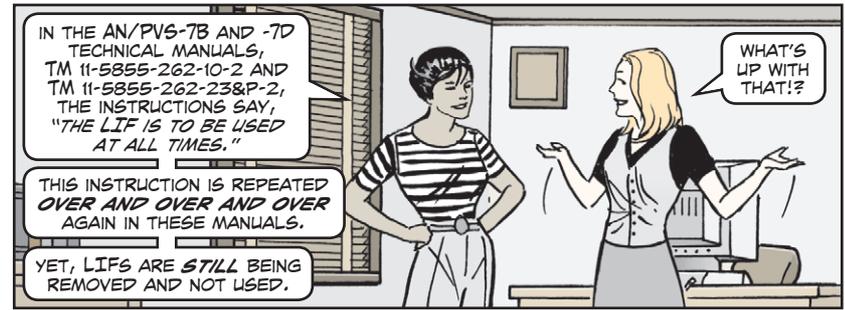
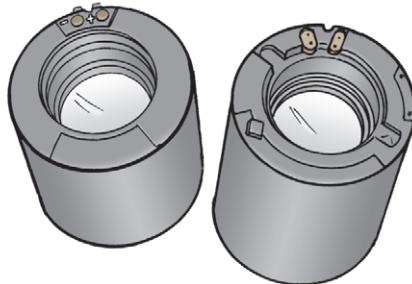
The reason for the sub is the high demand for image intensifier tubes. A lot of tubes are being replaced because of direct, bright light damage.

Your image tube cannot recover from bright light damage. The pixels in the tube will be damaged and leave a black, empty streak, an arc or spot.

While your night vision device is pretty smart by cutting off when exposed to bright light, it's not fast enough when exposed to extreme bright light, such as the light emitted by tracers, lasers, and flares.

The substitute image intensifier tube—the C tube—is identical to the D tube with the tolerance of one additional black spot. They work well and they meet all the other requirements, but the black spot standard has been reduced in order to meet the supply need.

Most of the light damage to image intensifier tubes could be prevented if the light interference filter (LIF), NSN 5855-01-379-1410, was being used.



One reason may be that some of you don't think you get as good an image with the LIF in place. And you're right. There is a slight reduction in system gain, but the emphasis is on the word **slight**. If you're getting too great a reduction, try cleaning the LIF using water and lens paper, NSN 6640-01-459-4239. If it's still a problem, get a new LIF!

If the LIF is dirty or scratched or otherwise damaged, it could be you're not using the sacrificial window, NSN 5855-01-246-8271. Use it! Its job is to give its life so the LIF and the tube can survive.

Additionally, some of you are removing the LIF to attach things like the 3X magnifier and the compass. The magnifier, the compass, the sacrificial window and the lens cap will all fit into the end of the objective lens with the LIF in place.

Also, it is essential that you use the objective lens cap, NSN 5340-01-392-6608, whenever the NVG is not in use to protect the image tube from exposure to sunlight.

