

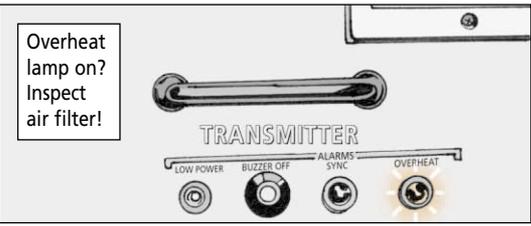
BE A DUST BUSTER



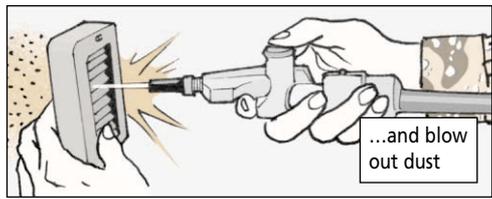
Sometimes something real small can cause really big headaches. Dust is tiny, but it packs a big, damaging punch like when it clogs the transmitter's air filter on the AN/GRC-103 radio.

Dust clogging the air filter makes the ventilation fan work harder and harder to suck in cooling air. The transmitter overheats and the OVERHEAT lamp comes on and stays on. The transmission signal degrades or the signal goes out altogether.

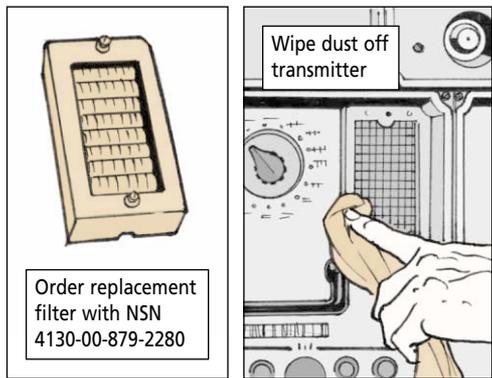
That's just the beginning of the problems. Components begin to burn up—like driver tubes, the RF amplifier, frequency generating circuits and the transmitting section of the duplexer.



Don't use the air hose unless you have an air gun, NSN 4940-00-333-5541, to attach to it. The air gun limits the outlet pressure to 30 psi, a safe level that won't damage the filter or injure you.



If you don't have an air hose and air gun, tap the filter and shake the dust out. If your mission permits, wash the filter in warm water and a mild detergent, NSN 7930-00-929-1221. Let it air dry for a few hours before reinstalling it.

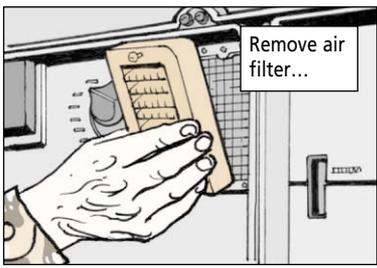


Order replacement filter with NSN 4130-00-879-2280

ALL THIS IS NOT GOOD AND ALL THIS IS AVOIDABLE.

Look at the filter before and during operations to make sure it's clean and stays that way. If you're in a dusty environment, make your checks more frequent.

If the filter is dusty, remove it from the transmitter by loosening the captive screws. Use an air hose and air gun to blow dust out of the filter. Direct the airflow from the inside of the filter to the outside.



Dust also collects on the recessed area and the metal screen where the filter fits on the transmitter. Use a cloth to wipe them clean.

