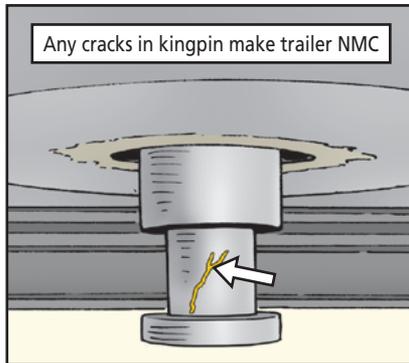




Fire Up Patriot with PM

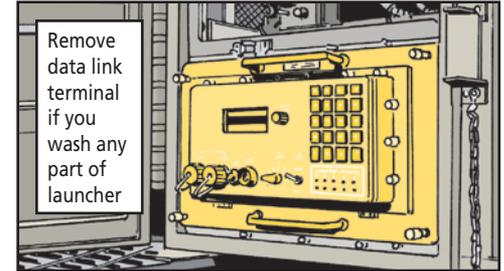
Trailers

Hard bumps in the road can crack the trailers' kingpins. If the kingpin cracks, it can break off, dropping the trailer and what's mounted on it. That would be a nightmare! Carefully check every kingpin and kingpin mounting plate for cracks each month. You'll need to wipe the kingpins clean of grease first and then clean them with dry cleaning solvent. Otherwise, you won't be able to spot cracks. Any cracks make the kingpin NMC, as do any nicks, chips or gouges deeper than 1/8 inch.

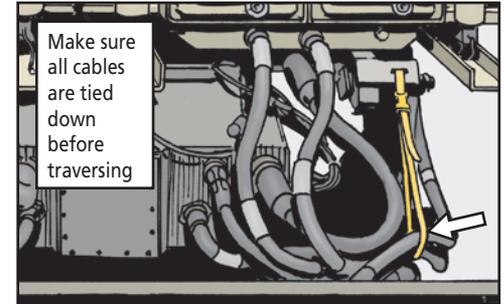


Launcher

Never, ever let water get anywhere near the data link terminal. If you're going to be washing any part of the launcher, first remove the terminal. If water gets through the terminal's vents, major electrical damage results. If the terminal must be replaced, you're talking \$130K.

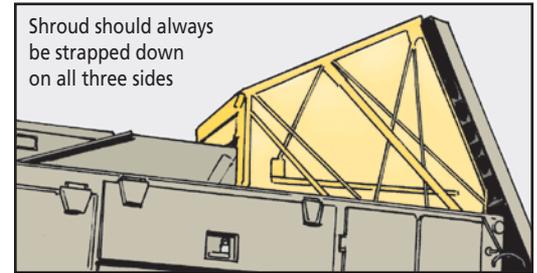


Before powering up the launcher, always make **very** sure all of its cables are tied down and not dangling. Thousands of dollars worth of cables are damaged each year when the launcher traverses and rips out dangling cables. To help secure the cables, you can order cable clamp assemblies, NSN 4030-01-582-8341.



AN/MPQ-65 Radar

When the AN/MPQ-65 is employed, don't leave the shroud hanging. Otherwise, strong winds can tear the shroud apart. Use the shroud's straps to secure it on all three sides. TM 9-1430-1601-10-1 gives the instructions for stowing and securing the shroud.



Every month, crawl up on top of the radar's roof to look for holes. If the shroud is stored incorrectly, it punches holes in the roof. Water leaks through the holes and causes expensive damage in the electronics racks.

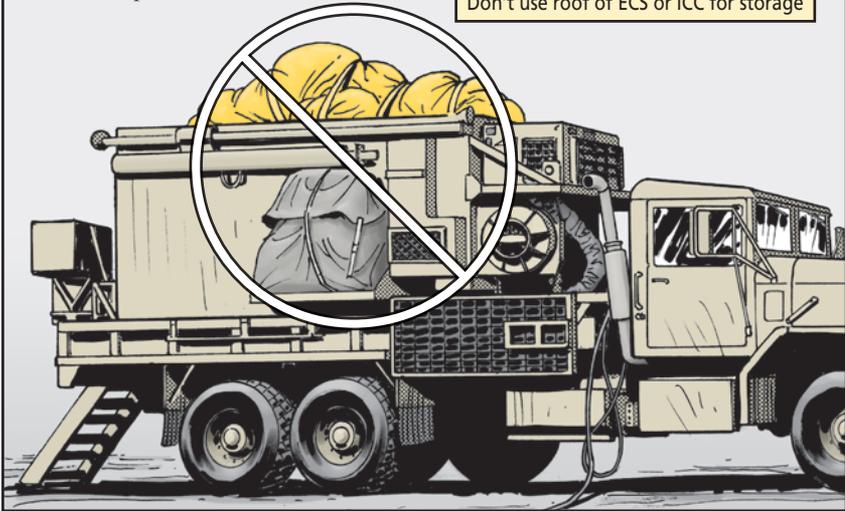
Never leave the array flat. That lets water collect on it and then leak through the elements' O-rings. Leave the array at an angle so water can't collect.



ECS and ICC

The roofs of the ECS and ICC shelters are not meant for storage. If you tie down stuff up there, you soon will have leaks that can damage expensive equipment inside. The CBRN protection is also ruined.

Don't use roof of ECS or ICC for storage



Air Conditioners

If you remove an air conditioner for maintenance, you must put something in its place. Otherwise, dirt and rain blow right through the hole left by the air conditioner. The simplest fix is to cut out a piece of wood to fit in the hole.

When you reinstall the air conditioner, don't forget to reinstall the flashing. That's what waterproofs the air conditioner. A lack of flashing often leads to A/C failure.

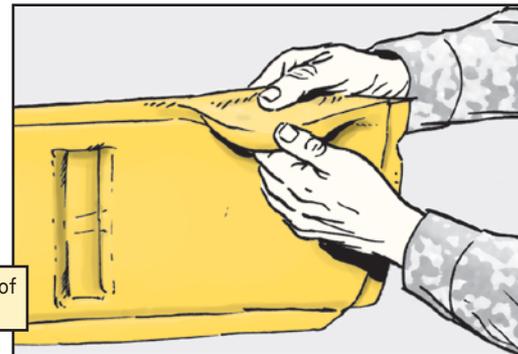
Cover hole when you remove air conditioner



Filters in the Desert

Desert sand will plug up Patriot filters fast, which means faults and components shutting down. An excellent defense against sand is to have two sets of filters. Change the filters every day. Wash or blow out the dirty filters to get them ready for the next day.

In the desert, keep **two sets** of filters and rotate them daily



AMG

Don't erect the antenna mast group (AMG) masts if the wind is blowing harder than 43 mph. Wind that powerful can snap the masts.

Any time you erect the masts to Base +2 or more, guy wires are mandatory. The guy wires provide stability to the masts and keep them from bending too far.

HEY! CAN'T YOU SEE HOW HARD IT'S BLOWING OUT HERE?

LOWER MY MASTS BEFORE THEY GET SNAPPED OFF!

