

Patriot Missile System...

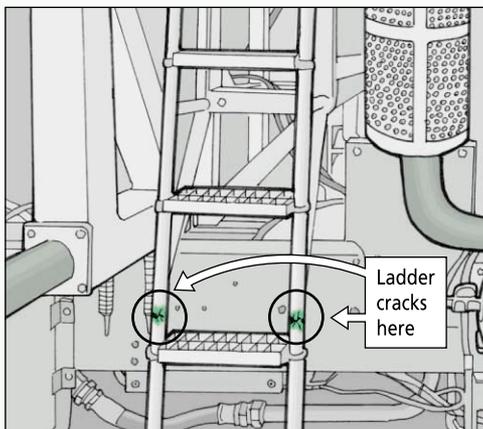
OH, FOR
CRYIN' OUT
LOUD! NOT
AGAIN!



Step Up to AMG

Dear Editor,

We had quite a problem with the ladder on the Patriot's antenna mast group (AMG) cracking right below the support bars. We tried welding the areas that cracked, but as soon as somebody stepped on the bottom step the ladder cracked again. And we can't order a replacement ladder because it's a depot-replaced item.



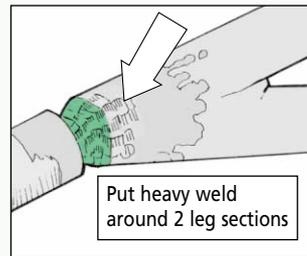
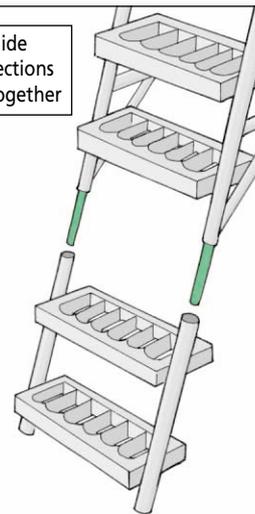
We solved the problem by reinforcing the legs with 1-in diameter aluminum bar stock.

Cut off both ladder legs where they cracked. Cut off two 6-in pieces of the bar stock. Stick 3 inches of the stock into the upper portion of each ladder leg. You may need to shave the stock to make it fit. Weld the stock to the leg. A TIG (tungsten inert gas) welder will give the strongest weld.

Fit the bottom sections of the ladder over the bar stock and slide the bottom up so the upper and bottom ladder sections meet. Weld the ladder sections together by putting a heavy weld completely around the break in each leg.

Ladder Fix

Slide sections together



SGT James Riley
507th Maint Co
Ft Bliss, TX

From the desk of the Editor

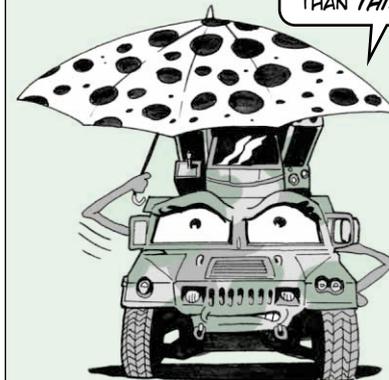
Great idea! The crew should check the ladder for cracks during their PMCS.

Eventually, the welding may need to be repeated.

Avenger Missile System...

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