

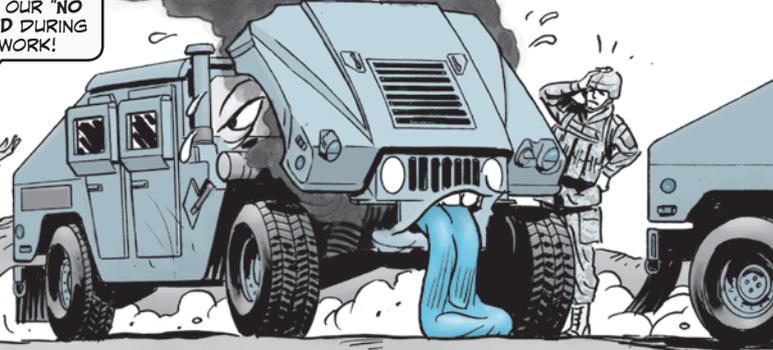
# "NO STEP" Shield Prevents Overheating



LEMME GUESS,  
BENT RADIATOR  
FINS ARE THE  
CULPRIT.



YEAH, THIS IS  
WHAT WE GET FOR  
NOT USING OUR "NO  
STEP" SHIELD DURING  
ENGINE WORK!



Dear Half-Mast,

Soldiers are stepping on the radiator fins in their HMMWVs and bending them. I think they should put "NO STEP" signs on HMMWVs, like those found on helicopters. How about you?

SSG N.O.

Dear Sergeant N.O.,

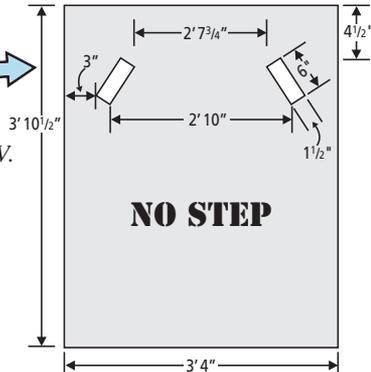
"NO STEP" signs are a great idea! That's because the fins on your HMMWV's radiator and oil cooler protect your HMMWV's engine and transmission from overheating.

Without protection, the fins can bend during PMCS and repair work. And when enough of the fins are bent, the reduced air flow through the radiator and cooler leads to engine and transmission overheating.

So another good idea is to make a fin shield to keep the fins on your HMMWV's radiator straight!

## Making the Fin Shield

Fabricate a fin shield by cutting  $\frac{3}{4}$ -in plywood using these approximate dimensions:

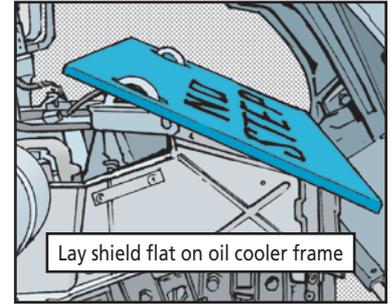


Adjust the dimensions to fit your HMMWV. Then, round off the edges and paint the board to prevent splinters. **And be sure to stencil NO STEP on the board.**

You'll also see this info on Page D-52 of TM 9-2320-280-20-3 and Page D-26 of TM 9-2320-387-24-2.

## Using the Fin Shield

Once you've made a fin shield, you can use it right away. Just remove both plate covers and seals from the airlift buckets, and slip it over the two lifting rings. Then lay it flat on the oil cooler frame. The rings prevent the shield from sliding onto the raised hood.



Lay shield flat on oil cooler frame

**Don't** run the engine with the shield in place! It'll block air flow and lead to engine overheating—the very thing your shield is designed to help prevent!

After using your fin shield, replace the eye-hook seals. And even though the board should protect the fins against bending, check for bent fins anyway. Then use the fin-straightening tool, NSN 5120-00-157-2180, if needed.

## Storing the Fin Shield

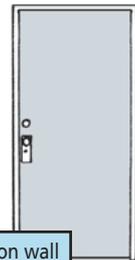
Take care of the fin shield by storing it flat. That keeps it from warping. Lay it on the floor away from traffic areas, or hang it on the wall against a flat surface.



Store shield flat on floor...



...or on wall



Half-Mast