

# Lincoln Mark VII Hood Insulation Repair

Version 20061223 written by AZMarkVII



My hood insulator was, for the most part, intact. It had some tears and the surface material was missing in areas as large as a dollar bill.

I originally used a shop vacuum with brush attachment to clean off the existing dirt and dust. I used a flat black spray paint to try to dress up the insulator and decided that was not good enough. That is when I transitioned to the fiberglass sunscreen material. The material can be purchased at Home Depot, Ace Hardware, etc.

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You will need:

- Fiberglass mesh
- Spray adhesive
- Soldering iron
- Scissors
- Wallboard Knife or Utility Knife (if you are good with scissors you can just use them)
- Drop cloths or something to lay the insulator on so the adhesive overspray does not get on the shop floor

I covered my engine bay and fenders with a clean drop cloth. I then removed the push pins that held the insulator top the hood. The FRONT of the insulator faces my engine. The BACK of my insulator faces the hood.

After cleaning the hood insulator, I lay the insulator back on the floor on top of the drop cloth. Lay the sunscreen material on top of the insulator to determine the size. Trim around the edges, but leave a good 8-10 inches extra.

When applying the adhesive it is best to work with only 1/2 the insulator/mesh at a time. I folded the mesh back so 1/2 the insulator is exposed. I generously sprayed adhesive on the exposed insulator and then a light coat on the mesh. I let it dry for about 2 minutes or so. Working from the center, I lay the mesh back over the insulator smoothing with my hand as I go. This will force the mesh to follow the contours of the insulator. It helps to have someone assist by holding the mesh up while you smooth it out. If not, try rolling up any mesh that you're currently not adhering.

Once I have the mesh down on the one 1/2, I repeat the process on the opposite half.

I let the adhesive drive for about 10 minutes.

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I turn the hood insulator over, front down. (make sure you don't place the front down on any adhesive overspray that would be on the drop cloth. If that is an issue, replace the drop cloth).

Now comes the hard part fitting/ trimming the mesh to fit around the contoured edge. I am not going to try and describe how you cut to fit that. It is part art and part science. What I do is cut and fit one edge, spray the adhesive on the backside of the insulator and on the mesh, let it setup for about 2 minutes and then smooth the mesh onto it. Move to another edge and repeat. You don't have to be perfect on the back side of the insulator as that is concealed against the underside of the hood. The idea is to get it to fit well around the edge. The toughest area is around the hood latch area and on the opposite side where the indents for the hood clip are.

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I cut the hole for the light. The best way to do this is a small cut lengthwise down the center of the light cutout. Then cut an angle line towards each corner. The cut looks something like >-----<. Better to cut too little than too much. I sprayed the adhesive as in the previous steps then form fit the mesh through the whole and onto the adhesive on the back side.

Finally, use an old soldering iron to melt the holes through the mesh for the plastic push plugs to go through. The hot soldering iron makes this every easy and the melting keeps the mesh from fraying in the area of the hole.

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Mount the insulator back on the hood. New plastic push plugs are encouraged. I had to order some and as such had to use my old ones temporarily. The old ones don't fit nice and snug.