AcoustiHOOD
Underhood Cover and Insulation Shield

## 1998-03 Ford Ranger

PN: FORDRAN 9803-TUHC

27 Mounting Pins

Kit Contents:
- Pre-Trimmed HeatShield Hood Insulation Panels
- Spray Adhesive (14 oz.)
- Roll Aluminum Foil Tape
- White Drill Sleeve
- Center Punch Nail
- Hood Pins





Materials Needed for Installation:
- TSP or household cleaner
- Masking Tape
- Power Drill
- 1/4" metal drill bit

Prerequisites: Installation of any AcoustiShield product begins with preparation of the interior metal surfaces. All panels must:

- Be thoroughly cleaned, washed and painted (recommended). Over time, adhesive material will not stick to dusty, dirty, grimy, body panel surfaces.
- Be bone dry.
- Be sure that the temperature of metal surface is above 70 degrees.

Tech Tip: <u>It is much easier to work on the hood right side up than upside down.</u> Remove hood and lay out on a work bench or table--be sure to protect the paint surface with a soft blanket.

## Please Open and Inspect Your Packing Slip and Products Immediately!

This product was reproduced for the year, make and model of the vehicle you specified in your order. However, there may be some variations between models in any given year of manufacture. If you find that this product does not fit your vehicle exactly, contact us immediately.

## Product Brand Identification

If you ordered an Under Hood Cover with a <u>Ford Motor Company brand name and/or logo image</u>-----you will find an Official Licensed Product label on the back of the panel.

<u>Products that have been modified cannot be returned or exchanged.</u>
No Returns or Refunds will be accepted after 90 Days.

**Thank you for your order**

This product was made with quality and pride by:

Name:_____Date:_____

QRS TV

**Watch our "How To" video on the Installation of a typical Under Hood Cover and Insulation**
**Go To:**
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# How to Drill Hood Cover Mounting Holes for Hood Pins

**Many of the cars and trucks in the early years (1948-70) had no hood pad insulation or the insulation was glued to the under side of the hood. Your hood may require the drilling of hood cover mounting holes.**

Drill Step-1 Using the Under Hood Cover as a template, position the cover on to the hood. Locate and mark with a pencil all the new mounting holes that will need to be drilled.



Drill Step-2 With the center punch (nail provided) Gently tap a center punch mark so that the drill will not "walk" around the hole location.



Drill Step-3 Slip the white plastic drill sleeve (included) over your 1/4 inch drill bit. <u>The drill sleeve will prevent you from damaging the top surface of the hood.</u> Leave about 3/8 inch of drill tip exposed

White Plastic Sleeve



Drill Step-4 Drill the mounting holes that are required.



Drill Step-5 Reposition of the cover Insert the mounting pins starting with center mounting holes and work toward the outside edges of the hood panel.

# A New Canvas

## Painting the Under Hood Cover

### Chrome in the engine bay was just the beginning!

The AcoustiHOOD is potentially a new "canvas" for the creative juices of the restomoder or custom car builder. The stock or custom 3-D images that can be molded into the high temp ABS material are a great beginning. You can take it to the next level with "color" to match or actuentiate the compoments of your engine compartment.

Below are some tips we have learned about painting a under hood cover:

- Airbrush painting and a fresh roll of painters tape is the best process for applying paint.
- Prepare the ABS surface like you would any other automotive body panel before painting.
- Clean and prep the entire under hood cover.
- Carefully mask the inner and outer edges of the image to be painted.
- Use quality automotive paint.
- For brighter, truer colors, white base-coat the areas that will receive a color coat.
- Clear coat the entire under hood cover. This will seal the panel and make cleaning easierin the future without damaging you paint.
- Clean the cover with mild soap and water.
- Never use alcohol or ethanol based cleaners.

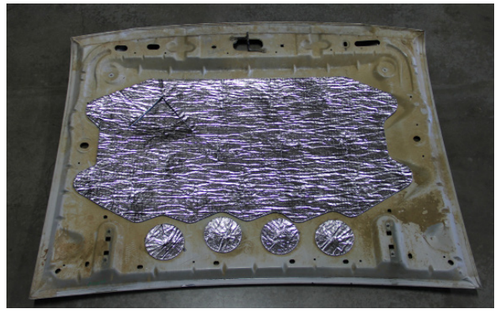
AcoustiSHIELD®

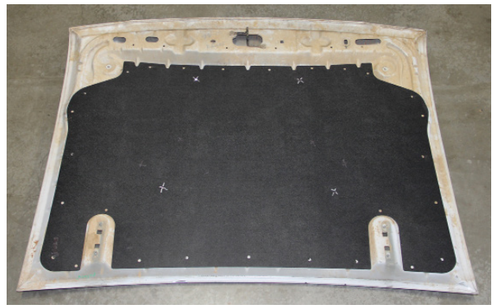
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Pre-Cut, Ready-to-Install Thermal Acoustic Insulation Kits for 1.300 Cars & Trucks

# Pre-Installation of the Under Hood Cover Components

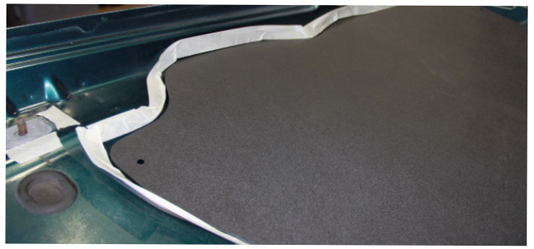




**Set Up Step-1** Open the package of Heat-Shield insulation panels and lay them into position.

**Set Up Step-2** Pre-Install the ABS Under Hood Cover into position, lining up the mounting holes in the cover with the mounting holes in the hood.

Set Up Step-3 Mask out the edge of the Under Hood Cover by placing strips of masking tape around the perimeter of the cover to protect the edge of the hood from "over spray" adhesive. Be sure to keep the aluminum seam tape below this edge so that it does not show when finished.



## Installing the HeatShield Hood Insulation Panels

HS Step-1 Spray the fiber-side of the Heat-Shield with two light coats of contact spray adhesive.

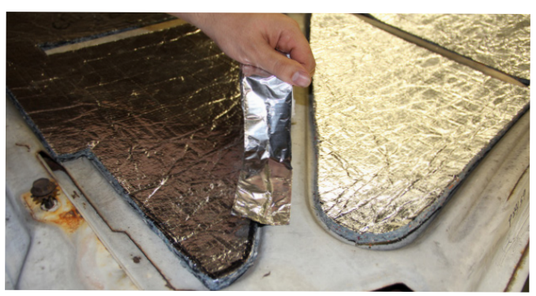
HS Step-2 Spray the corresponding section of the hood with two light coats of contact spray adhesive.

HS Step-3 Let both surfaces "tack" dry to touch.

HS Step-4 Lightly position the HeatShield panel between the ribs of the hood braces. When you have the panel "centered," press it into position with hand pressure across the entire surface.

HS Step-5 Repeat the installation of the other HeatShield insulation panels.

HS Step-6 Seal the edges of the HeatShield panels with the seam tap by overlapping the edge of the insulation and the hood rib, as illustrated.



Install the seam tape around the edge of each of the insulation panels--overlapping the tape on to the rib of the hood.

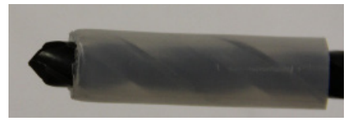
# Installing the ABS Under Hood Covers in Ford Ranger Trucks

UHC Step-1 Lay the hood cover into position, lining up the mounting holes in the cover with the mounting holes in the hood.

UHC Step-2 Insert the mounting pins starting with center mounting holes and work toward the outside edges of the hood panel.

Snap the mounting pins through the cover into the hood mounting holes with hand pressure.

**White Plastic Sleeve**



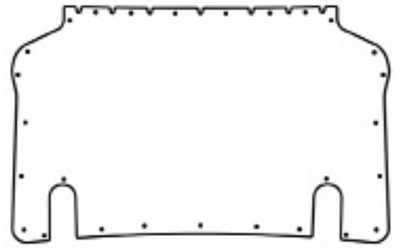
UHC Step-3 You may need to slightly adjust some of the mounting holes to make the hood panel lay flat.

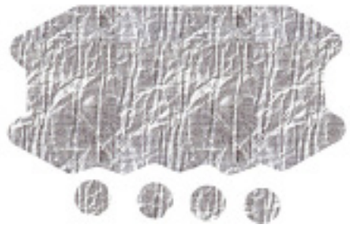
Slip the white plastic drill sleeve over your 1/4 inch drill bit. The drill sleeve will prevent you from damaging the top surface of the hood. Leave about 3/8 inch of drill tip exposed

Insert the drill bit through the ABS plastic into the mounting hole of the hood at a slight angle and gently ream out the plastic by bringing the drill into a perpendicular position to the hood.

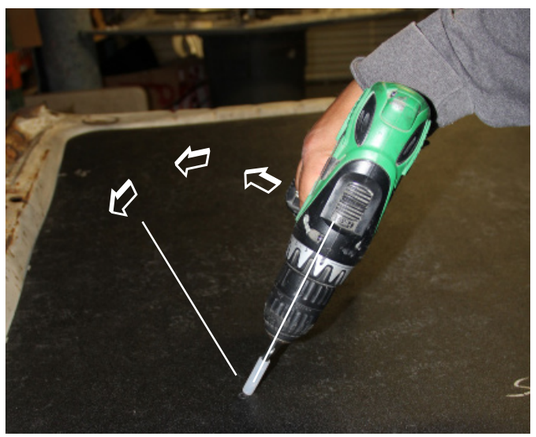
Be careful-- you only need to use the tip of the drill and remember--you are not drilling a hole--you are "side reaming" the soft edge of the ABS cover material.

**Place Hood Cover into hood interior. Slide cover forward. Press rear cover tab under the rear hood support. Tuck cover sides under the side lips of the hood.**





**Side Reaming a Mounting Hole**



## Product Disclaimer

- The high temp ABS material will regularly tolerate temperatures up to 250 degrees.
- Air flow is the important factor in heat dissipation.
- Be certain to maintain at least one inch (or more) of clearance between the surface of the under hood cover and engine components like air cleaner covers.

QuietRide Solutions will not be responsible for improperly installed under hood covers.