

INSTALLATION INSTRUCTIONS

Thank you for purchasing genuine Design Engineering, Inc. products. Be sure to always wear the proper safety equipment when installing any DEI product. Design Engineering Inc. WILL NOT BE HELD LIABLE FOR IMPROPER INSTALLATION OR USE OF THIS PRODUCT. Please follow all instructions provided. If you are unsure of any installation procedure, please contact a certified technician.

DESCRIPTION: 51420

1950-1972 Beetle & 1971-1972 Super Beetle insulation kit

KIT CONTENTS:

- 18 Pieces D-Mat Pre-Cut Insulation
- 2 Rolls Damping Material Tape
- 6 - 6"x 6" Damping Material
- 2 - 6"x 12" Damping Material
- 4 - 12"x 12" Damping Material
- 1 Application Roller
- 1 Can Spray Adhesive
- Instructions

TOOLS NEEDED:

Scissors

SAFETY:

Safety glasses
Gloves

NOTE OF CAUTION: Wear eye and hand protection when installing all materials.

OVERVIEW: This kit controls heat and sound on 1950-1972 Beetle & 1971-1972 Super Beetle

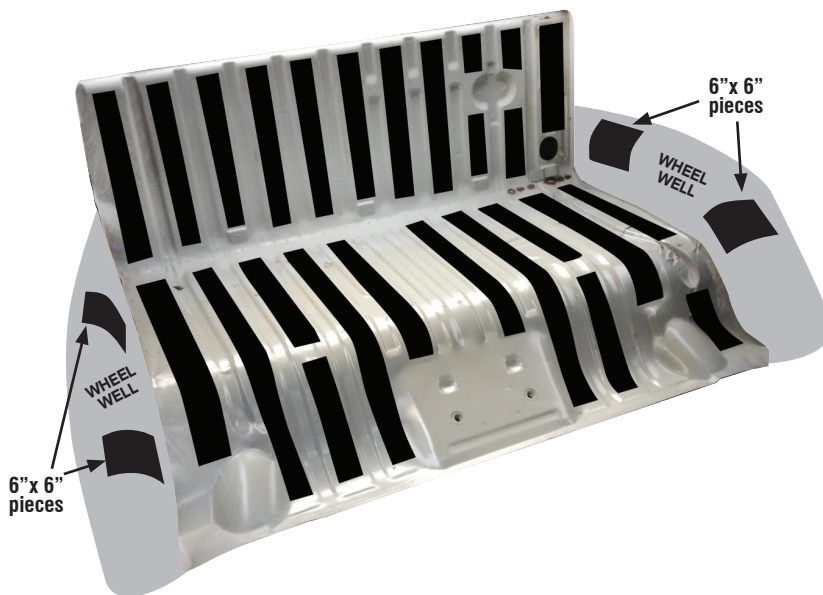


FIG. 1
REAR SEAT AND REAR WHEEL WELL AREA

USE 1 ROLL OF BOOM MAT TAPE AND 4 - 6"X 6" SQUARES

Preparation

STEP 1. Remove seats, old carpet, consoles. The entire floor must be exposed to the metal surface.

STEP 2. Clean and vacuum any dirt or debris from the floor. You need a clean dry floor to start the installation.

STEP 3. Now is the time to repair any rust or damage. We recommend spraying the floor with our Boom Mat Surface Prep Spray 10491. It is designed to act as a primer and also cover and encapsulate any surface rust.

Installation

STEP 1. Open the contents of your kit. You will see 18 pre-cut pieces of D-Mat insulation; a bag containing the Boom Mat damping material, 1 can of Boom Mat spray Adhesive and 1 Roller. Separate the Boom Mat Damping material into sizes.

STEP 2. See **Fig 1 & Fig 2** for placement positions for all the Damping Material. Exact location is not critical; this gives you the general location to apply each piece of material.

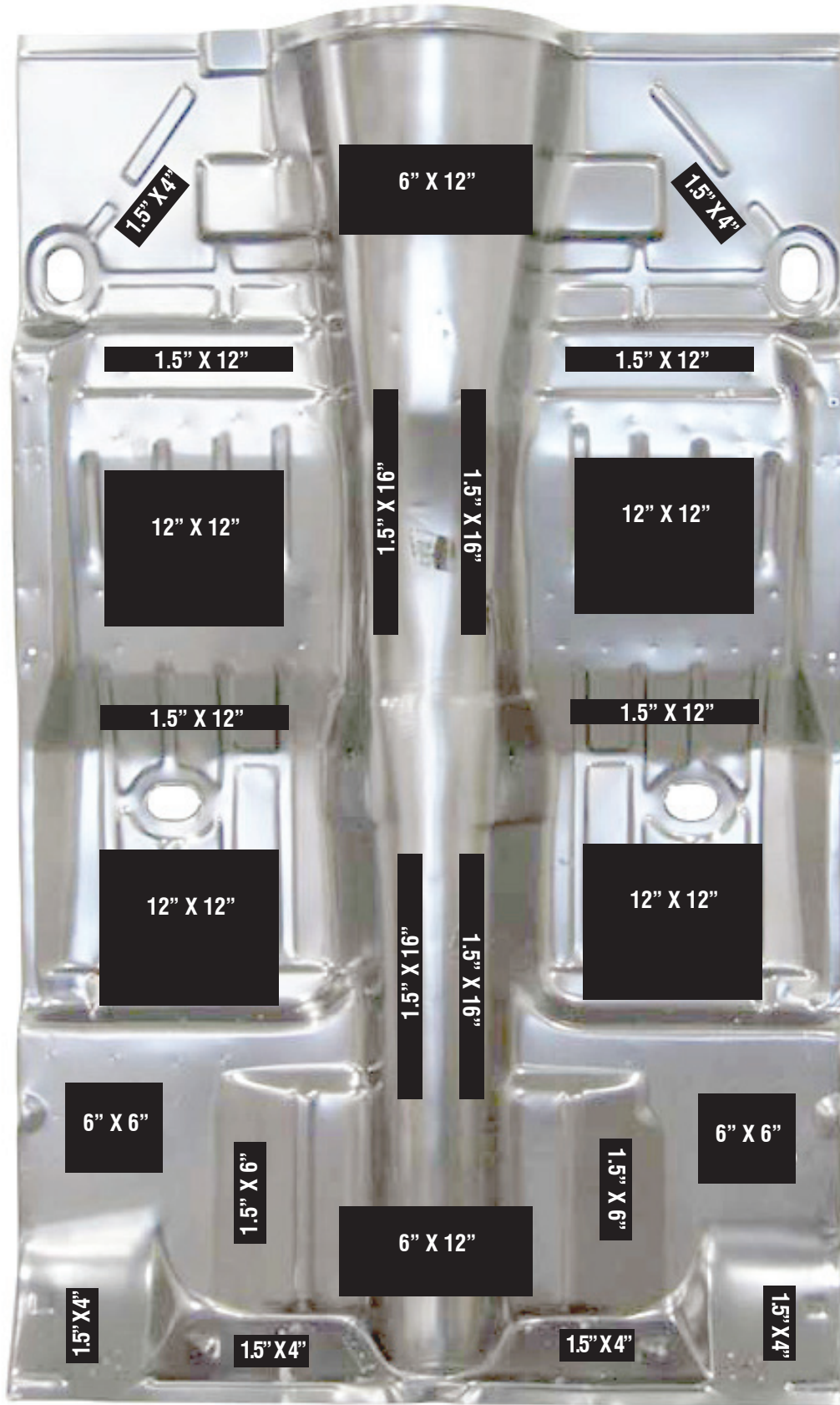


Fig. 2
Damping Material
Placement

Floor pan

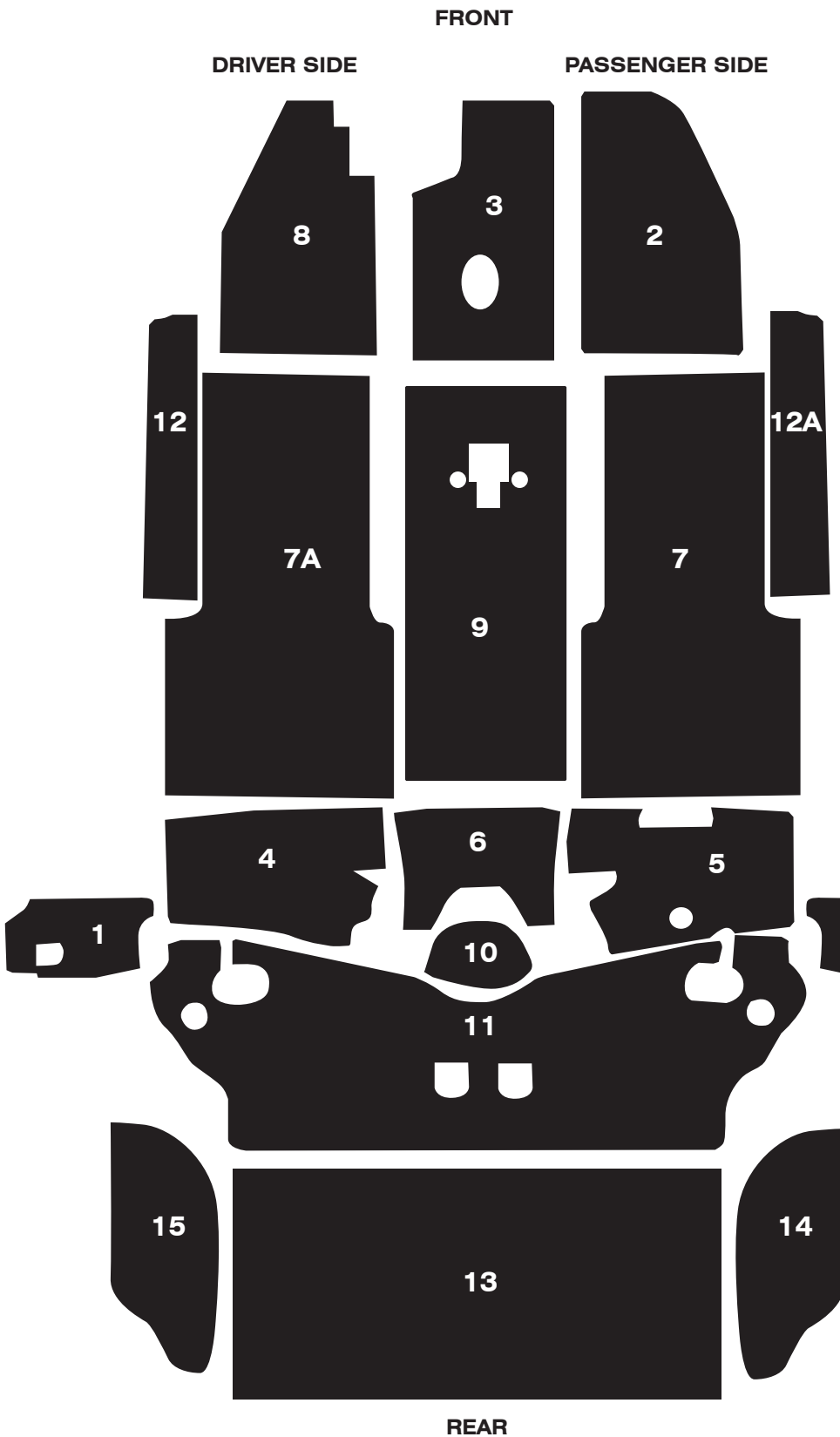
STEP 3. Peel the release liner from the back of the damping material and place on the floor according to figure 1 & 2. Use the included roller to firmly press the material to the floor. A good contact is needed for the damping material to function properly. Any air trapped under the Damping material will affect its performance.

STEP 4. Once all the Damping material is in place you can begin to install the D-Mat insulation.

See **Fig 3** for the correct position of each piece.

Fig 2

Fig. 3 Insulation Material Placement



STEP 5. Lay each piece into place to test fit. You may have to slightly trim some material as each car can have some variations in the body. Once you are satisfied with the fit you can lift off one piece at a time to glue into place.

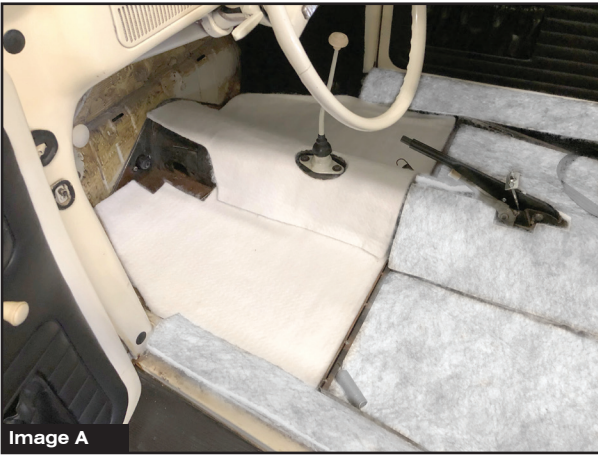
STEP 6. Follow the directions on the can of Boom Mat Adhesive. This is a contact type adhesive so you will need to spray both the floor and the back side of the D-Mat Insulation. Let the glue dry before placing the D-Mat back into place for permanent installation.

NOTE: When using spray adhesive, we recommend only tacking down the D-Mat material where needed to hold it in place. This way if there is ever service needed on the vehicle, it can be easily removed.

NOTE: Pieces 1 & 1A will be vertical in final installation. See Images E & F on next page

STEP 7. Now you can install your carpet and interior.

D-Mat Insulation Material Placement



NOTE:
The appearance of the D-Mat material may vary from the photos in these instructions. In some of these photos some of the material has a grey texture to it. All of the D-Mat material you receive will be solid white.

