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› Design Engineering Boom Mat Sound Deadening Side Window Trim Kit for 4-Door Jeep Wrangler JL (2018-up) - Model 050173 Instruction Manual

Design Engineering 050173

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Enhance your vehicle's interior comfort by reducing noise and improving thermal insulation.

INTRODUCTION

This instruction manual provides detailed guidance for the installation and care of your Design Engineering Boom Mat Sound Deadening Side Window Trim Kit, Model 050173. This kit is designed to complement the Boom Mat Jeep Wrangler Headliner Kit (sold separately) by adding sound deadening and thermal insulation to the side window areas of your 4-Door Jeep Wrangler JL (2018-up). The primary function is to reduce interior noise levels, contributing to a more comfortable cabin environment and improved audio system clarity.

SAFETY INFORMATION

Always exercise caution when working on your vehicle. Ensure the vehicle is parked on a level surface and the engine is off. Wear appropriate personal protective equipment, such as gloves, if necessary. Keep all tools and materials organized to prevent accidents. If you are unsure about any step, consult a professional.

PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- 4-Piece Window Trim Kit for 4-Door Jeep Wrangler JL (2018-up)

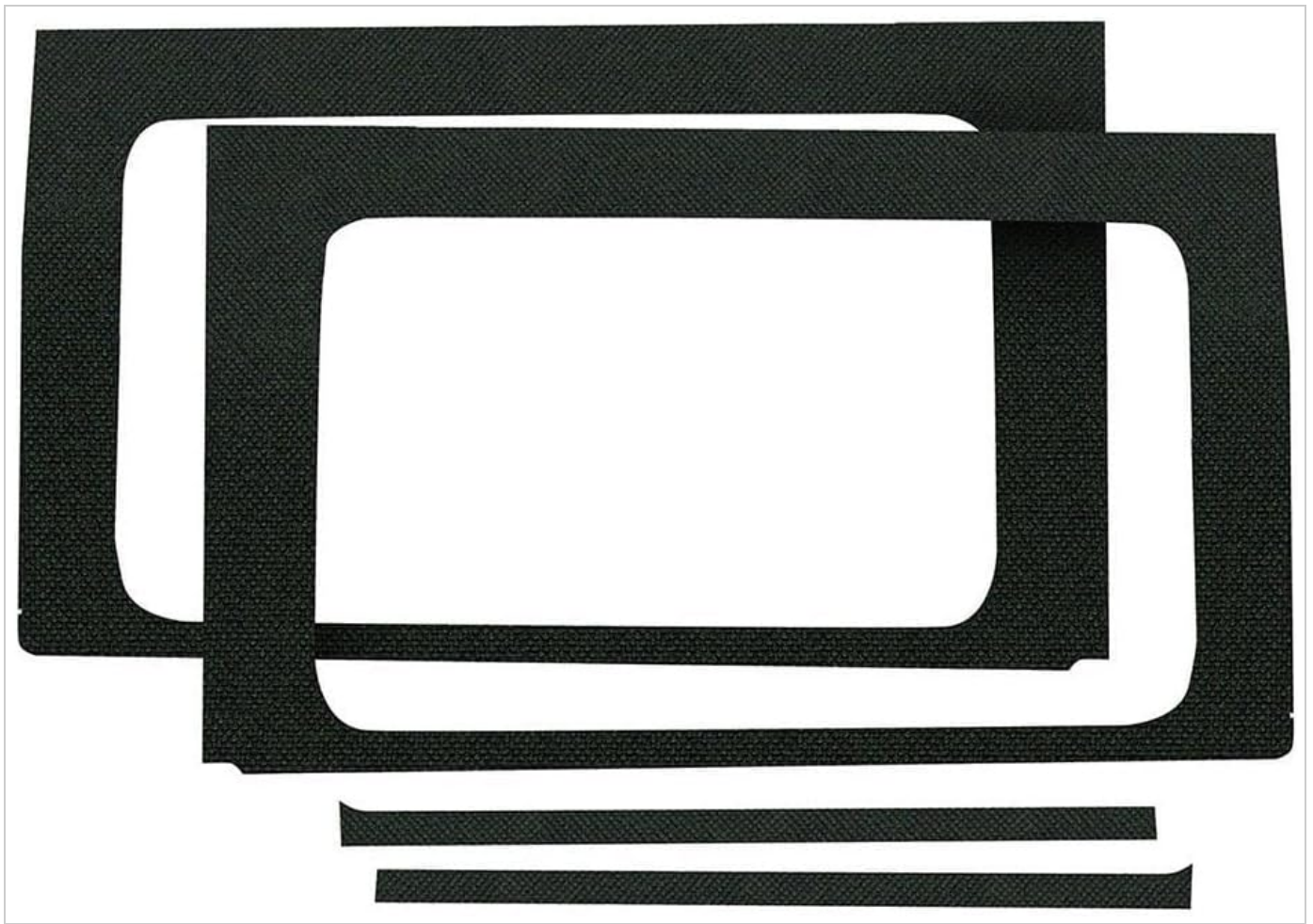


Figure 1: Contents of the Boom Mat Side Window Trim Kit. This image displays the four pre-cut pieces of sound deadening material designed for the side windows of a Jeep Wrangler JL.

INSTALLATION INSTRUCTIONS

Follow these steps carefully for proper installation. It is recommended to install this kit in conjunction with the Boom Mat Jeep Wrangler Headliner Kit for optimal results.

1. **Prepare the Surface:** Ensure the interior hardtop surface around the side windows is clean, dry, and free of dust, grease, or any residues. Use an automotive-safe cleaner if necessary.
2. **Test Fit:** Before removing the adhesive backing, carefully position each trim piece to understand its correct placement. Note the contours and edges.
3. **Apply Trim Pieces:**



Figure 2: Carefully peeling the adhesive backing from a Boom Mat panel. Avoid touching the adhesive surface to maintain its integrity.

- a. Peel back a small portion of the adhesive liner from one edge of a trim piece.
 - b. Align the exposed adhesive edge with the corresponding area on the hardtop.
 - c. Slowly and carefully press the trim piece into place, gradually peeling off the remaining adhesive liner as you go. Work from one end to the other, smoothing out any air bubbles or wrinkles.
 - d. Apply firm, even pressure across the entire surface of the trim piece to ensure proper adhesion.
4. **Repeat for all Pieces:** Follow the same procedure for all four side window trim pieces.
5. **Final Inspection:** Once all pieces are installed, visually inspect them to ensure they are securely attached and properly aligned.



Figure 3: View of the installed Boom Mat side window trim, showing how it integrates with the vehicle's interior. This image illustrates the finished appearance of the product.



Figure 4: An alternative perspective of the installed side window trim, highlighting its fit and finish within the Jeep Wrangler JL interior.

OPERATING BENEFITS

Once installed, the Boom Mat Side Window Trim Kit contributes to a more comfortable driving experience by:

- **Reducing Noise:** The sound deadening material helps to absorb road noise, wind noise, and other external sounds, making conversations easier and improving the clarity of your vehicle's audio system.
- **Improving Thermal Insulation:** The 1/2-inch thick material provides an additional layer of insulation, helping to keep the interior cooler in warm weather and warmer in cold weather.

MAINTENANCE

The Boom Mat Side Window Trim Kit requires minimal maintenance. To clean, gently wipe the surface with a damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these may damage the material or adhesive.

TROUBLESHOOTING

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Trim piece not adhering properly.	Surface not clean or dry; insufficient pressure during installation; adhesive contaminated.	Ensure surface is thoroughly cleaned and dried before application. Apply firm, even pressure across the entire surface. If adhesion is still poor, the piece may need to be replaced.
Air bubbles under the trim.	Improper application technique.	When applying, work slowly from one end, smoothing the material as you go to push out air. If bubbles are present after installation, gently press them towards the nearest edge to release trapped air.
Minimal perceived noise reduction.	Expectations may be too high for a partial kit; other noise sources present.	This kit is designed to complement a full headliner kit. For maximum noise reduction, consider installing the Boom Mat Jeep Wrangler Headliner Kit (sold separately).

SPECIFICATIONS

- **Model Number:** 050173
- **Compatibility:** 4-Door Jeep Wrangler JL (2018-up)
- **Material Thickness:** 1/2 inch
- **Color:** Black
- **Item Weight:** 2.4 pounds
- **Product Dimensions:** 36 x 24 x 6 inches (packaging dimensions)
- **Manufacturer:** Design Engineering, Inc.

SUPPORT AND WARRANTY

For technical assistance, product inquiries, or warranty information, please contact Design Engineering, Inc. directly. Refer to the manufacturer's official website or product packaging for the most current contact details and warranty terms.

Manufacturer: Design Engineering, Inc.

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Example: How do I reset this device or fix this error?

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