



## 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:** 2023 Ram Promaster Van  
159" WB - High Cube  
Part # 50456

**KIT CONTENTS:**  
Pre-Cut Insulation Material  
8 - 12mm thick pieces  
35 - 30mm thick pieces  
2 rolls adhesive transfer tape

**TOOLS NEEDED:**  
Cleaner & Degreaser  
Rags/Towels  
Tools for interior panel removal

**SAFETY:**  
Safety glasses  
Gloves

**NOTE OF CAUTION:** Wear eye and hand protection when installing all materials. Use cleaners or degreasers in a well ventilated area

**INSTALLATION TIP:** This product contains many pieces. There may be multiple pieces that are the same shape and part number, and go in multiple locations. We suggest laying out all pieces before you install them to get a good overview of where each piece goes and which you have multiples of. There are also two thicknesses of material. 30mm thick and 12mm thick. The 12mm thick material is for the roof insulation and two pieces on the side door section. (12mm thick pieces are numbers 200, 201, 202, 203, 204, 205 and 219) There should be 8 pieces that are 12mm thick.

Refer to the instructions to see where each piece goes. We recommend laying out and grouping the pieces by size before you start. Once you are familiar with where each piece goes, clean the area where the adhesive transfer tape will be used, using a clean cloth and a mild cleaner like window cleaner.

**INSTALLATION TIP:** Adhesive transfer tape is not used on all pieces. See instructions for those pieces that are installed by using the tape. Use just enough tape to hold piece in place until the walls and finishing panels are installed.

**NOTE:** Note all pieces are 30mm thick. There are 12mm thick pieces as well. You will notice this difference when laying out the parts.

# INVENTORY OF INSULATION PANELS

**THIS IS A COMPLETE LIST OF ALL NUMBERED  
INSULATION PIECES IN THIS KIT**

<u>Description</u>	<u>Quantity</u>	
<u>Transfer tape Adhesive</u>	<u>2</u>	
<u>Insulation Panel 200 - 12MM</u>	<u>1</u>	<u>Insulation Panel 215- 30MM</u> 2
<u>Insulation Panel 201 - 12MM</u>	<u>1</u>	<u>Insulation Panel 216- 30MM</u> 2
<u>Insulation Panel 202 - 12MM</u>	<u>1</u>	<u>Insulation Panel 217- 30MM</u> 2
<u>Insulation Panel 203 - 12MM</u>	<u>1</u>	<u>Insulation Panel 218- 30MM</u> 2
<u>Insulation Panel 204 - 12MM</u>	<u>1</u>	<u>Insulation Panel 219- 12MM</u> 2
<u>Insulation Panel 205 - 12MM</u>	<u>1</u>	<u>Insulation Panel 220- 30MM</u> 2
<u>Insulation Panel 206 - 30MM</u>	<u>1</u>	<u>Insulation Panel 221- 30MM</u> 1
<u>Insulation Panel 207 - 30MM</u>	<u>2</u>	<u>Insulation Panel 222- 30MM</u> 1
<u>Insulation Panel 208- 30MM</u>	<u>1</u>	<u>Insulation Panel 223- 30MM</u> 2
<u>Insulation Panel 209 - 30MM</u>	<u>2</u>	<u>Insulation Panel 224- 30MM</u> 1
<u>Insulation Panel 210- 30MM</u>	<u>1</u>	<u>Insulation Panel 225- 30MM</u> 2
<u>Insulation Panel 211 - 30MM</u>	<u>2</u>	<u>Insulation Panel 226- 30MM</u> 2
<u>Insulation Panel 212- 30MM</u>	<u>1</u>	<u>Insulation Panel 227- 30MM</u> 2
<u>Insulation Panel 213- 30MM</u>	<u>2</u>	
<u>Insulation Panel 214- 30MM</u>	<u>2</u>	

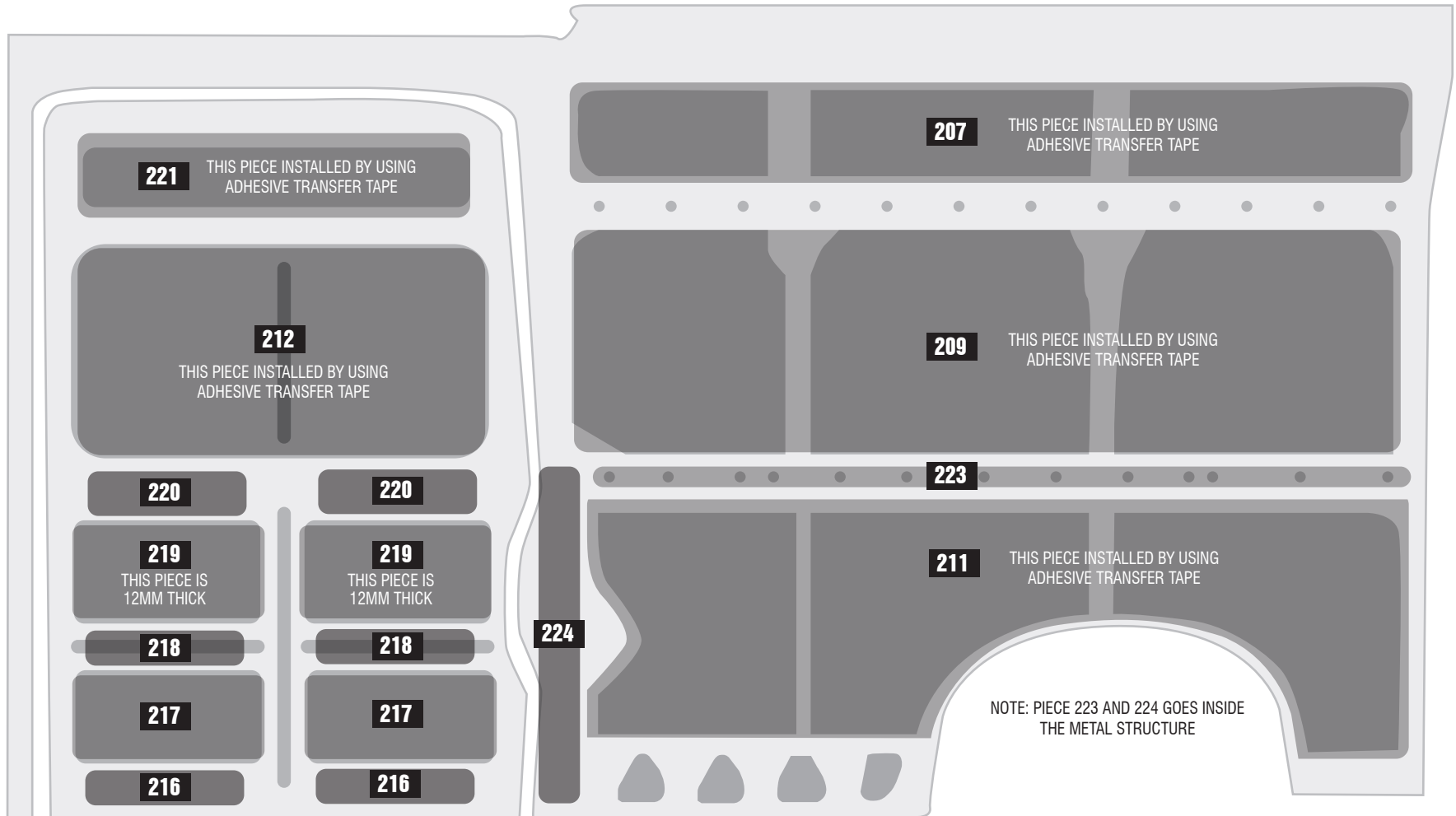
# PASSENGER SIDE

AS VIEWED FROM INSIDE OF VAN

FRONT OF VEHICLE

ROOF

REAR OF VEHICLE



NOTE: PIECES 221, 219 AND 217 GO INSIDE THE METAL DOOR STRUCTURE

FLOOR

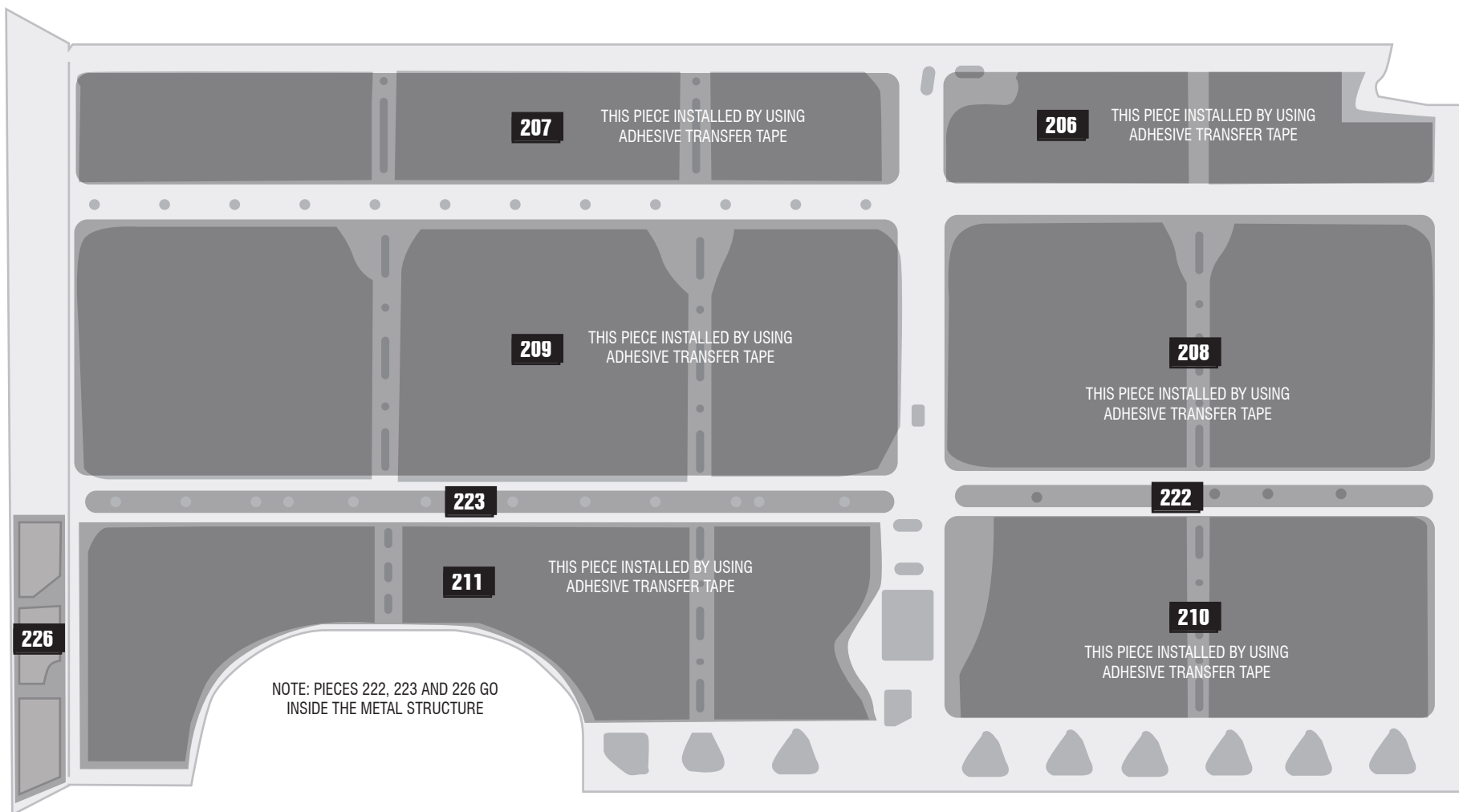
# DRIVER SIDE

AS VIEWED FROM INSIDE OF VAN

← REAR OF VEHICLE

FRONT OF VEHICLE →

ROOF



FLOOR

# ROOF

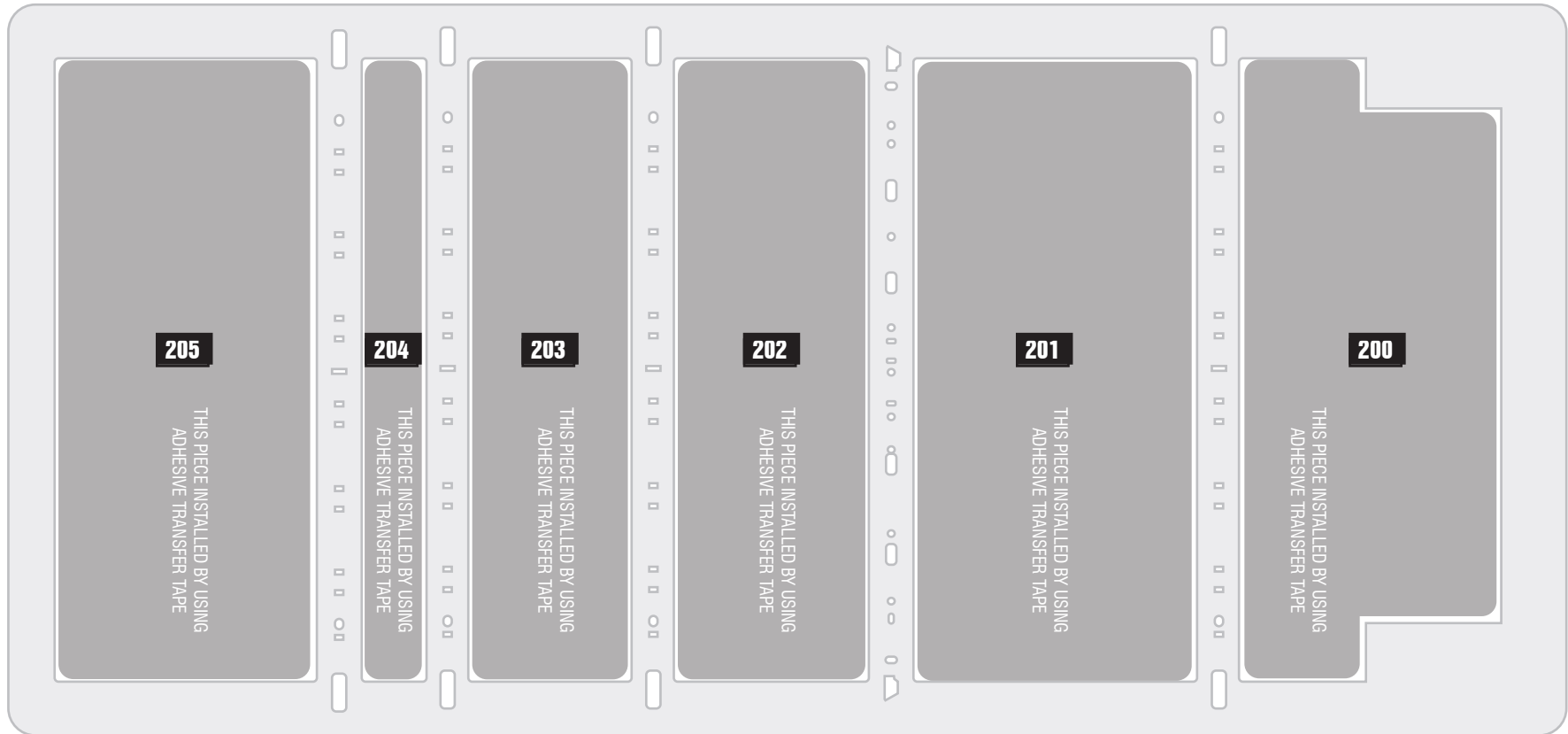
**ALL OVERHEAD PIECES ARE THE THINNER 12MM THICKNESS MATERIAL  
ALL OVERHEAD PIECES USE ADHESIVE TRANSFER TAPE FOR INSTALLATION**

**← REAR OF VEHICLE**

**FRONT OF VEHICLE →**

**PASSENGER SIDE**

**REAR DOORS**



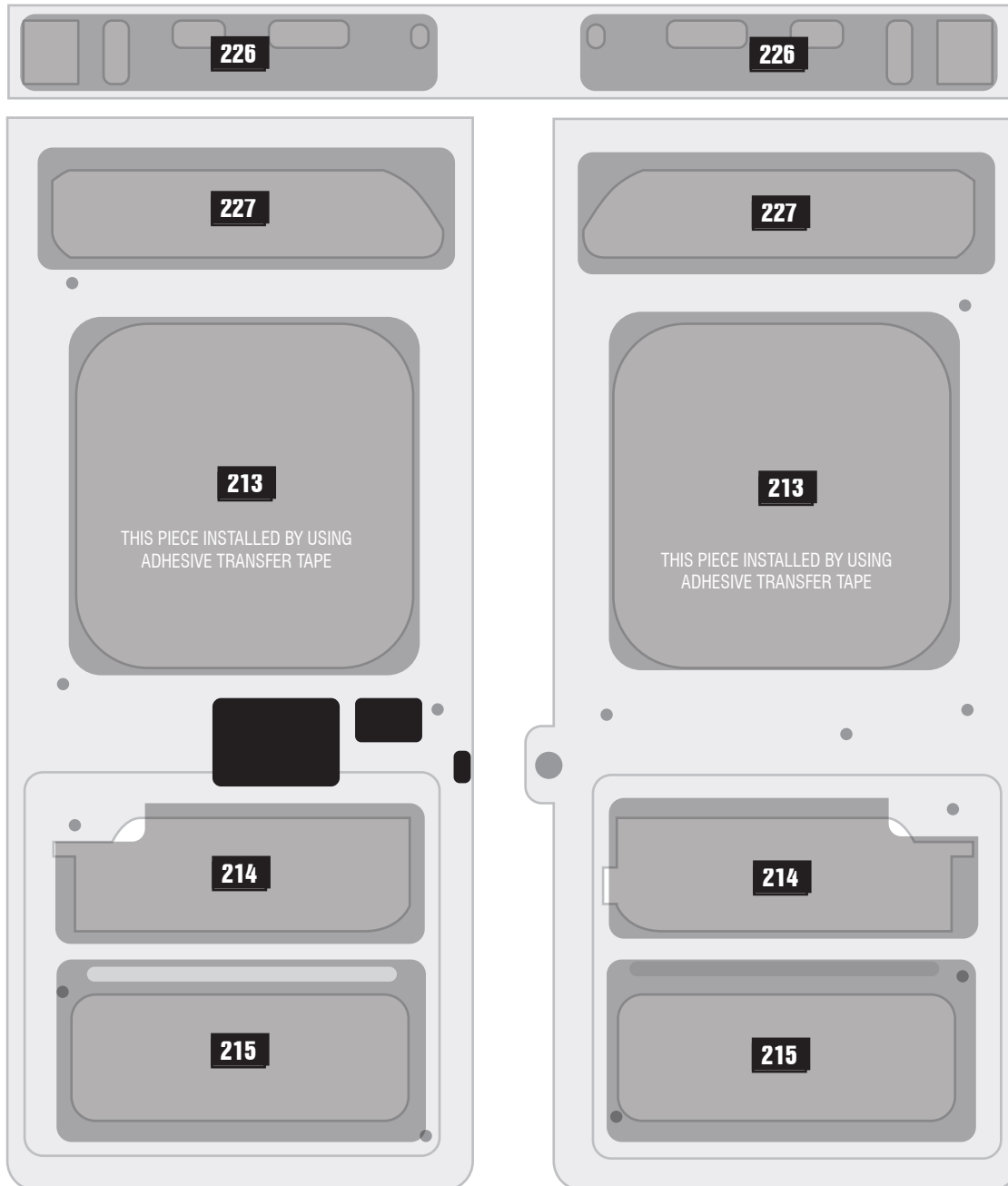
**DRIVER SIDE**

# REAR DOORS

## PLACEMENT OF INSULATION

### REAR BULKHEAD ABOVE DOORS

PIECE 226 GOES INSIDE  
METAL FRAME STRUCTURE



### PASSENGER SIDE

AS VIEWED FROM  
INSIDE VAN WITH  
DOORS CLOSED

### DRIVER SIDE

AS VIEWED FROM  
INSIDE VAN WITH  
DOORS CLOSED