



## 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 Ford Transit Van  
148" WB - High Cube Extended length  
Part # 50454

**KIT CONTENTS:**  
Pre-Cut Insulation Material  
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.

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

Description	Quantity	Description	Quantity
<u>Transfer tape Adhesive</u>	<u>2</u>	<u>Insulation Panel 170</u>	<u>1</u>
<u>Insulation Panel 144</u>	<u>1</u>	<u>Insulation Panel 171</u>	<u>1</u>
<u>Insulation Panel 145</u>	<u>1</u>	<u>Insulation Panel 172</u>	<u>1</u>
<u>Insulation Panel 146</u>	<u>1</u>	<u>Insulation Panel 173</u>	<u>1</u>
<u>Insulation Panel 147</u>	<u>1</u>	<u>Insulation Panel 174</u>	<u>1</u>
<u>Insulation Panel 148</u>	<u>1</u>	<u>Insulation Panel 175</u>	<u>1</u>
<u>Insulation Panel 149</u>	<u>1</u>	<u>Insulation Panel 176</u>	<u>1</u>
<u>Insulation Panel 150</u>	<u>1</u>	<u>Insulation Panel 177</u>	<u>1</u>
<u>Insulation Panel 151</u>	<u>1</u>	<u>Insulation Panel 178</u>	<u>1</u>
<u>Insulation Panel 152</u>	<u>1</u>	<u>Insulation Panel 179</u>	<u>2</u>
<u>Insulation Panel 153</u>	<u>1</u>	<u>Insulation Panel 180</u>	<u>1</u>
<u>Insulation Panel 154</u>	<u>1</u>	<u>Insulation Panel 181</u>	<u>1</u>
<u>Insulation Panel 155</u>	<u>1</u>	<u>Insulation Panel 182</u>	<u>1</u>
<u>Insulation Panel 156</u>	<u>1</u>	<u>Insulation Panel 183</u>	<u>1</u>
<u>Insulation Panel 157</u>	<u>1</u>	<u>Insulation Panel 184</u>	<u>1</u>
<u>Insulation Panel 158</u>	<u>1</u>	<u>Insulation Panel 185</u>	<u>1</u>
<u>Insulation Panel 159</u>	<u>1</u>	<u>Insulation Panel 186</u>	<u>3</u>
<u>Insulation Panel 160</u>	<u>1</u>	<u>Insulation Panel 187</u>	<u>1</u>
<u>Insulation Panel 161</u>	<u>1</u>	<u>Insulation Panel 188</u>	<u>1</u>
<u>Insulation Panel 162</u>	<u>1</u>	<u>Insulation Panel 189</u>	<u>1</u>
<u>Insulation Panel 163</u>	<u>1</u>	<u>Insulation Panel 190</u>	<u>1</u>
<u>Insulation Panel 164</u>	<u>2</u>	<u>Insulation Panel 191</u>	<u>1</u>
<u>Insulation Panel 165</u>	<u>2</u>	<u>Insulation Panel 192</u>	<u>1</u>
<u>Insulation Panel 166</u>	<u>2</u>	<u>Insulation Panel 193</u>	<u>1</u>
<u>Insulation Panel 167</u>	<u>1</u>	<u>Insulation Panel 194</u>	<u>2</u>
<u>Insulation Panel 168</u>	<u>1</u>	<u>Insulation Panel 195</u>	<u>2</u>
<u>Insulation Panel 169</u>	<u>1</u>	<u>Insulation Panel 196</u>	<u>1</u>

# PASSENGER SIDE

AS VIEWED FROM INSIDE OF VAN

← FRONT OF VEHICLE

ROOF

REAR OF VEHICLE →



FLOOR

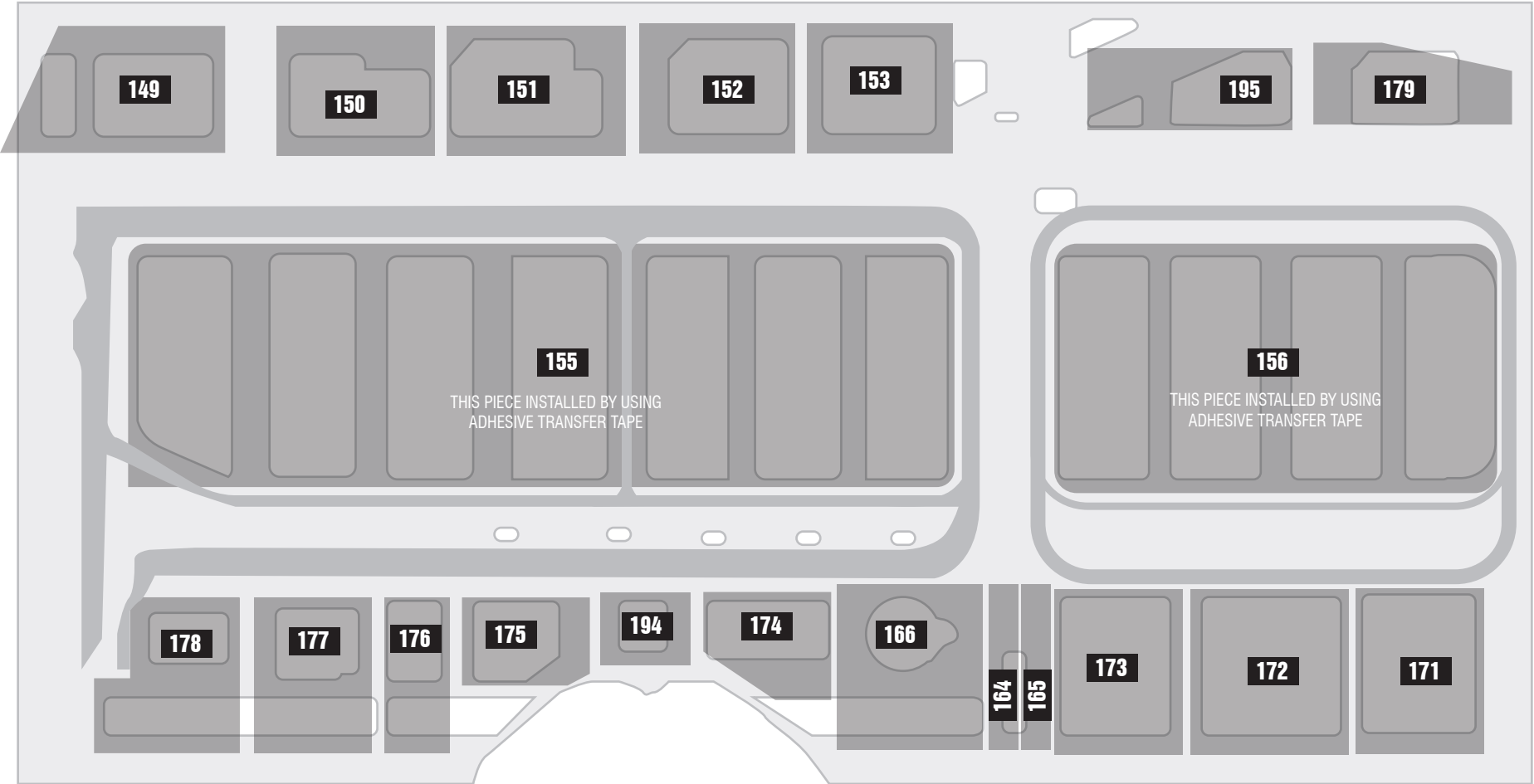
# DRIVER SIDE

AS VIEWED FROM INSIDE OF VAN

← REAR OF VEHICLE

ROOF

FRONT OF VEHICLE →



FLOOR

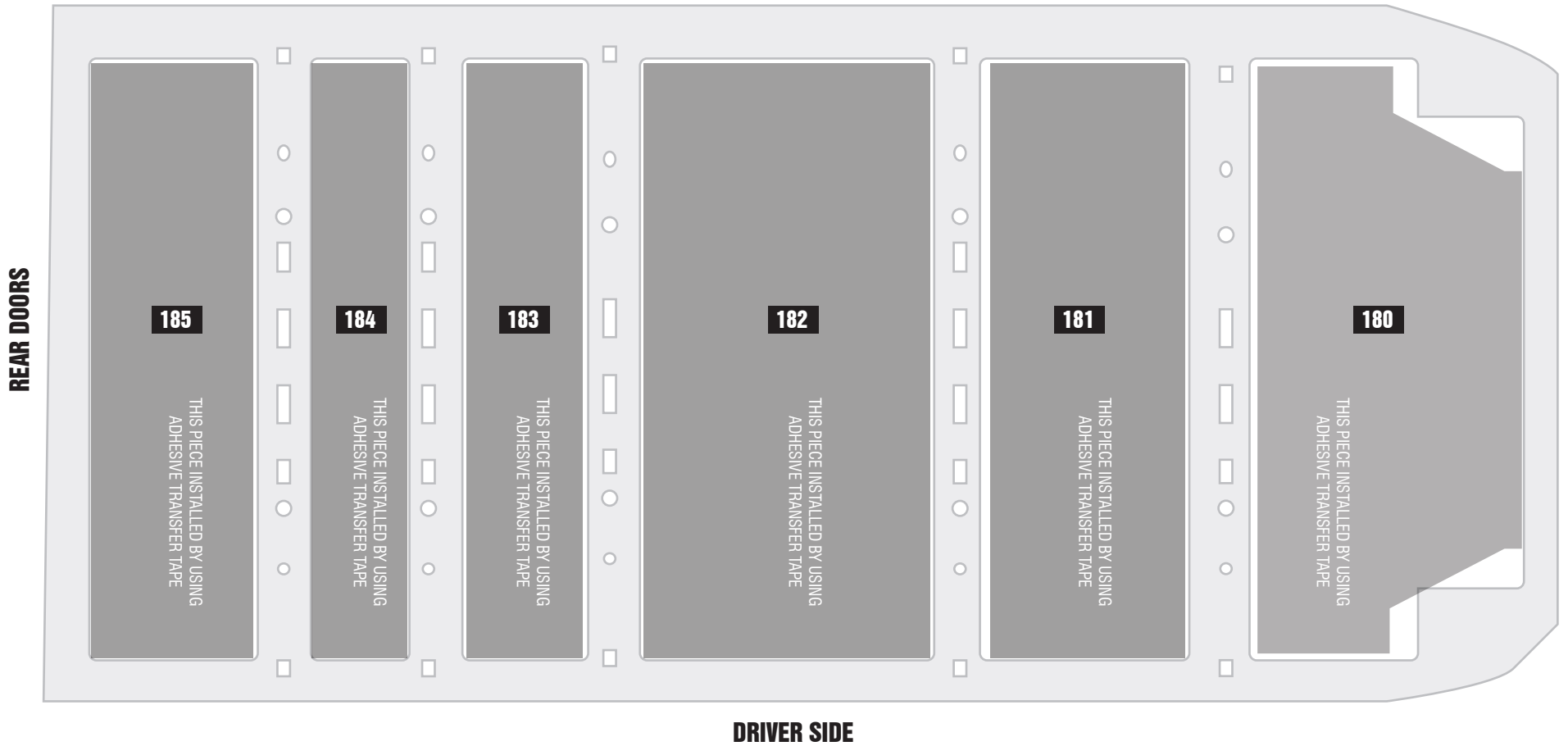
# ROOF

← REAR OF VEHICLE

PASSENGER SIDE

FRONT OF VEHICLE →

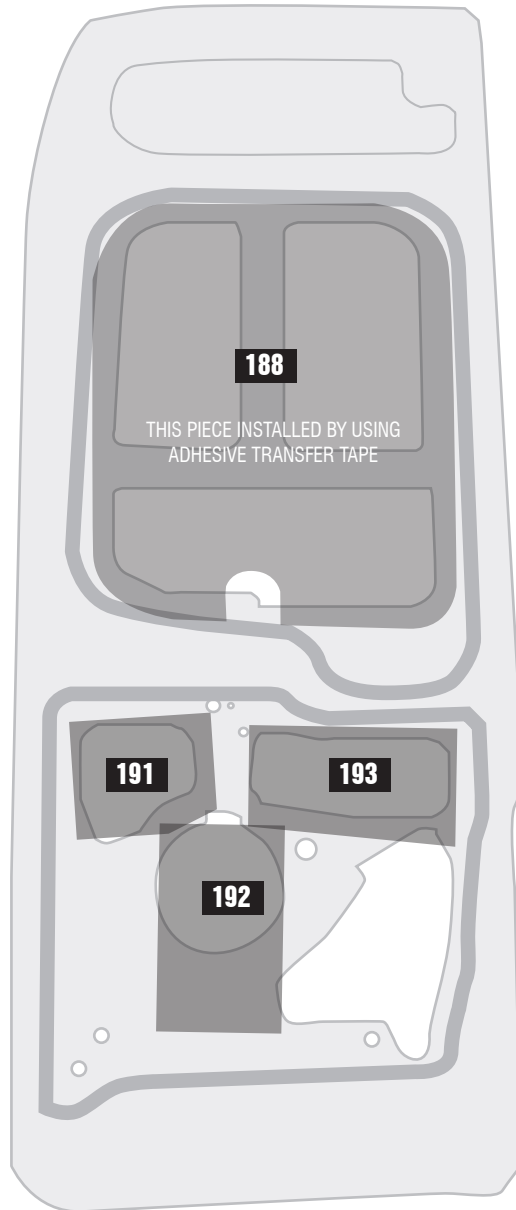
**ALL OVERHEAD PIECES USE ADHESIVE TRANSFER TAPE FOR INSTALLATION**



# REAR DOORS

## PLACEMENT OF INSULATION

**PASSENGER SIDE**  
AS VIEWED FROM  
INSIDE VAN WITH  
DOORS CLOSED



**DRIVER SIDE**  
AS VIEWED FROM  
INSIDE VAN WITH  
DOORS CLOSED

