DESIGN ENGINEERING, INC.

INNOVATIVE
HEAT & SOUND
CONTROL
SOLUTIONS

INSTALLATION INSTRUCTIONS

PRE-CUT INSULATION KIT
2007-2010 JEEP WRANGLER JK 4-DOOR

INSTALLATION QUESTIONS? CONTACT DEI AT 800-264-9472
OR VIA EMAIL AT TECH@DESIGNENGINEERING.COM

NOTES

NOTES: This kit is designed to fit Jeep Wranglers JKs equipped with factory hardtops. One person can install the front panels over the driver and passenger seats. However, it is recommended that a minimum of 2 people install the panels on the back part of the hardtop, as they are large. Remove the hardtop per factory instructions, and place on a sturdy surface in an inverted position. Placing the hardtop on a blanket is recommended to protect it from scratches. Lay the parts in place with the paper release liner left in place to note its position and where it will be installed. Once the adhesive contacts a clean surface, it is extremely difficult to remove the adhesive. Be sure the part is in the desired position before adhering it!

TOOLS

Use manufacturer's suggested tools for hardtop removal.
Isopropyl Alcohol / Cleaner / Degreaser • Mild Tape (masking / painters tape)

SURFACE PREP

Vacuum or wipe down installation area to remove all loose debris/dust. Then clean with isopropyl alcohol to remove any contaminants.

NOTE: Lay out pieces of headliner material to let any wrinkles that formed in the packaging to smooth out. This may take up to 24 hours.

IMPORTANT: Adhesive is very strong. Take your time when installing pieces. Once they are adhered, they are very difficult to remove and adjust the placement.

1.) Remove the hardtop from vehicle following the manufacturer's suggested removal. Placing the hardtop on a blanket is recommended to protect it from scratches. Make sure to place the hardtop on the blanket in an inverted position.



Figure 1

Figure 1 – Hardtop removed and inverted (2011 - 2018 JK 4 door Shown) (Fig 1)

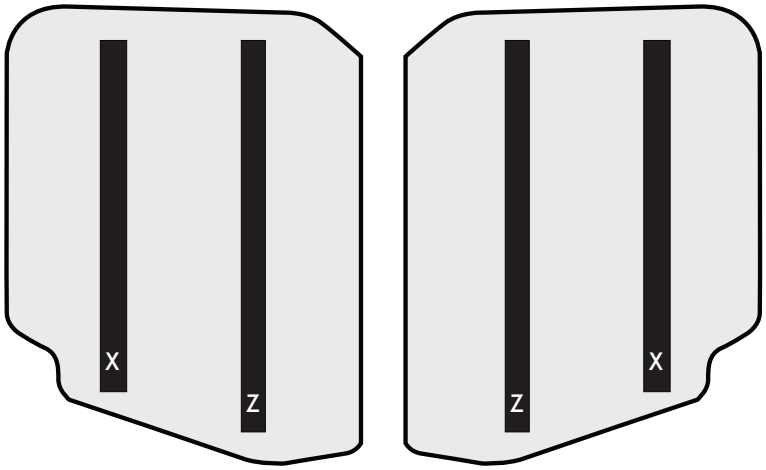
2.) Once the hardtop is removed, clean the inside surface of the hardtop with isopropyl alcohol. This will ensure a good adhesive bond between the headliner and the hardtop. (Fig 1)

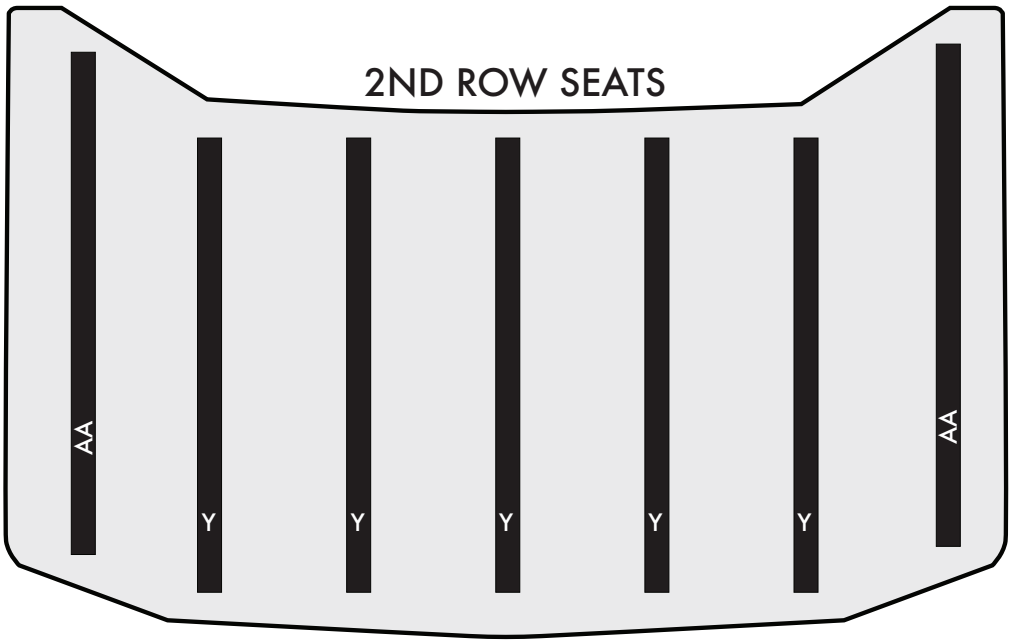
*Note: The adhesive will not stick properly to a dirty surface.

2007-2010 Jeep JK 4-Door Filler Strip placement

DRIVER SIDE PASSENGER SIDE

REMOVABLE FRONT TOPS





CARGO AREA

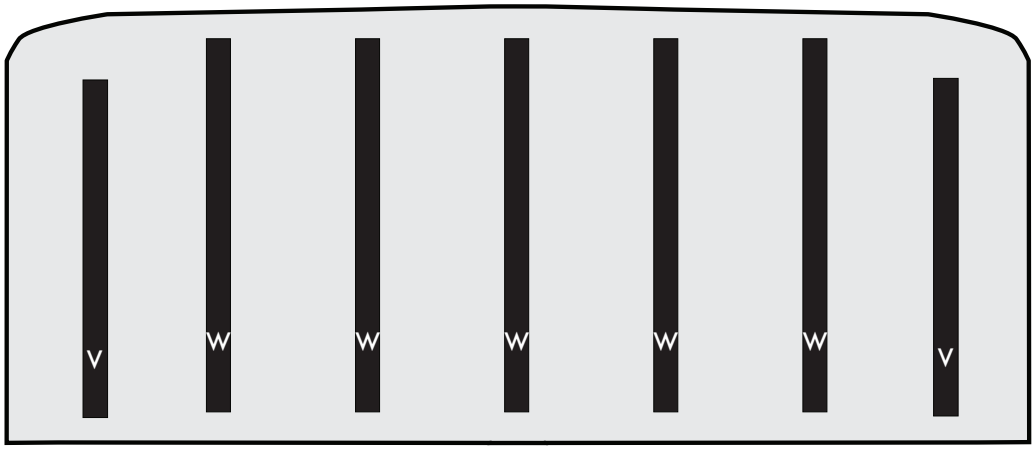






FIG. 2
Test fit all filler strips according to diagram on page 2

3.) Test fit the filler strips into the ribs of corresponding length before peeling the release liner on the strips. Refer to proper diagram on page 2 for proper placement of filler strips.

NOTE: Proper line up of filler strips in Figure 3. They do not go all the way to the vertical part of the top. Fig 3

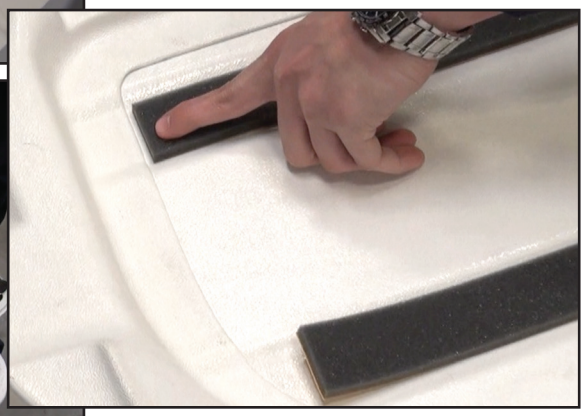


FIG. 3
Filler strips start when shown in photo



FIG. 4
Peel the backing off filler strips and place into grooves.

IMPORTANT: DO NOT stretch filler strips when placing them on the top. Let them naturally lay into groves.

4.) Install the foam “filler strips” in the molded ribs to ensure a smooth installation of the head-liner. Without the “filler strips”, the headliner will conform to the ridges in the top leaving an uneven appearance.

IMPORTANT: DO NOT stretch pieces when adhering them to the top. Let them naturally lay in place.



FIG. 5
Allign piece in freedom top and use a mild tape to temporarily hold in place.

5.) Lay correct piece in freedom top and get properly alligned. Use painters tape to temprarily hold piece in position. Fig. 5

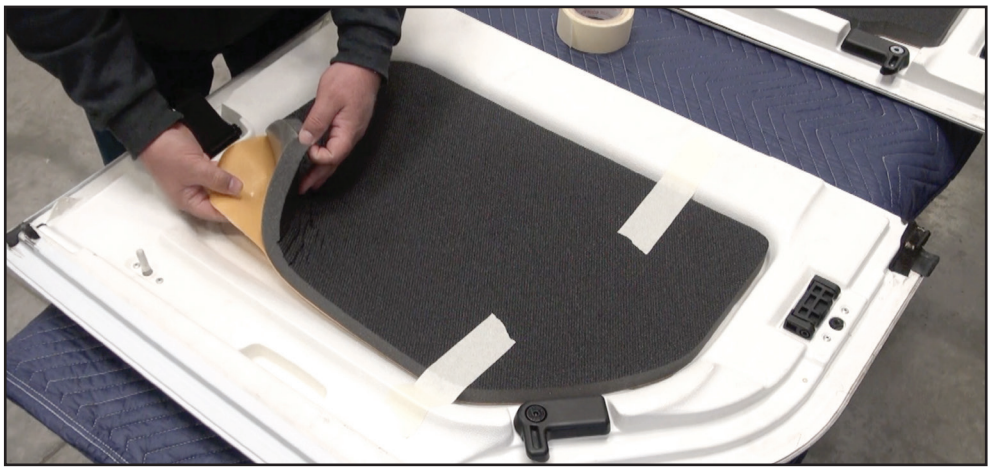


FIG. 6
Peel back a small section of release liner and adhere to freedom top section.

6.) Peel off backing at one end of the freedom top piece and adhere to the top. Use slight pressure to stick it down. This will hold the piece in place. Fig 6





FIG. 7 & Fig 8
Slowly pull the release liner off as you press the piece into place. NOTE: Use gentle pressure. DO NOT use a lot of pressure when pressing piece into place.

7.) Remove temporary tape pieces you added in step 5, pull back the headliner piece, and slowly pull the release liner off as you gently press the piece in place.
Fig 7 & Fig 8.

IMPORTANT: DO NOT stretch pieces when adhering them to the top. Let them naturally lay in place.

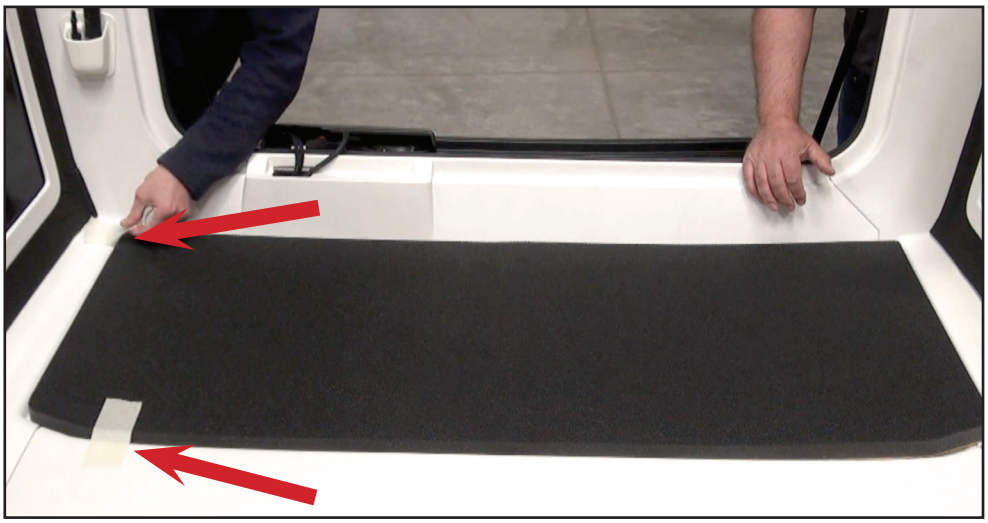


FIG. 9
Align piece in removable top and use painters tape to temporarily hold in place.

8.) Lay correct piece in removable top. Once again use painters tape to temporarily hold pice in place. Fig 9

9.) Fold piece over along cut line and peel back a small section of release liner. Then let piece naturally fall into place as you pull the release liner off and gently press piece in place. Fig 10

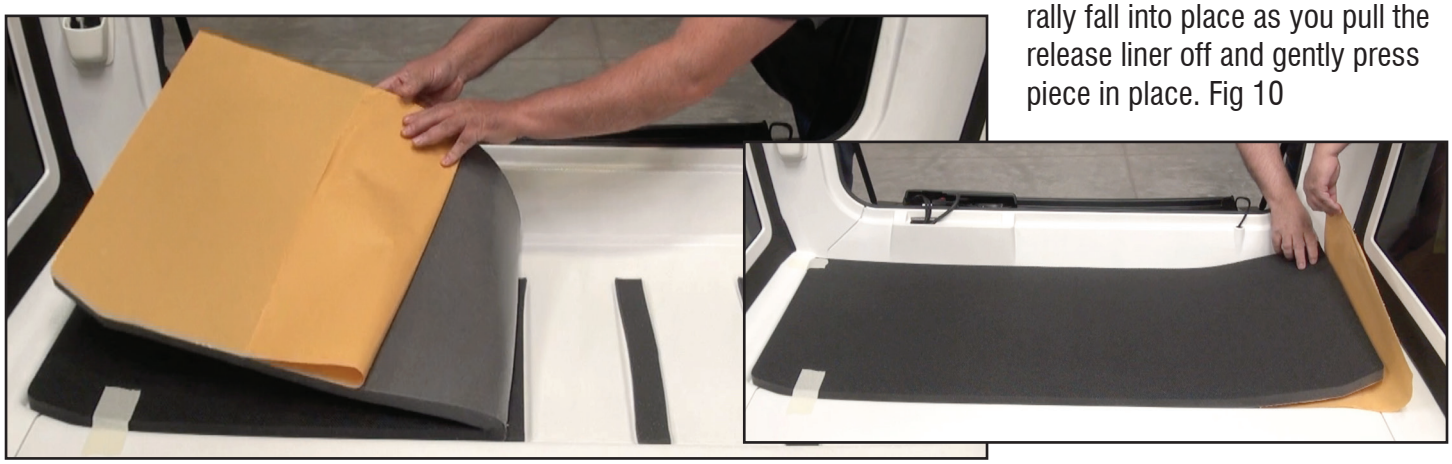


FIG. 10
Peel back a small section of release liner start to adhere the piece to the top. Continue to pull the release liner off and gently press piece in place

10.) Remove temporary tape pieces you added in step 7, fold the piece over and slowly pull the release liner off as you press the piece in place. Fig 11 & Fig 12.



FIG. 11 & Fig 12
Slowly pull the release liner off as you press the piece into place. NOTE: Use gentle pressure. DO NOT use a lot of pressure when pressing piece into place.

IMPORTANT: DO NOT stretch pieces when adhering them to the top. Let them naturally lay in place.

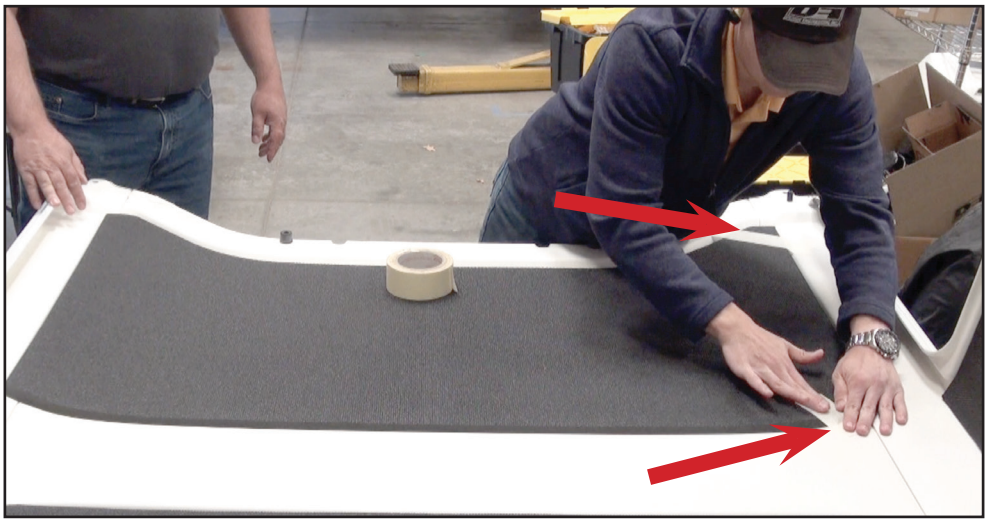


FIG. 13
Allign piece in removable top and use painters tape to temporarily hold in place.

11.) Lay correct piece in removable top. Once again use painters tape to temporarily hold pice in place. Fig 13

12.) Fold piece over along cut line and peel back a small section of release liner. Then let piece naturally fall into place as you pull the release liner off and gently press piece in place. Fig 14

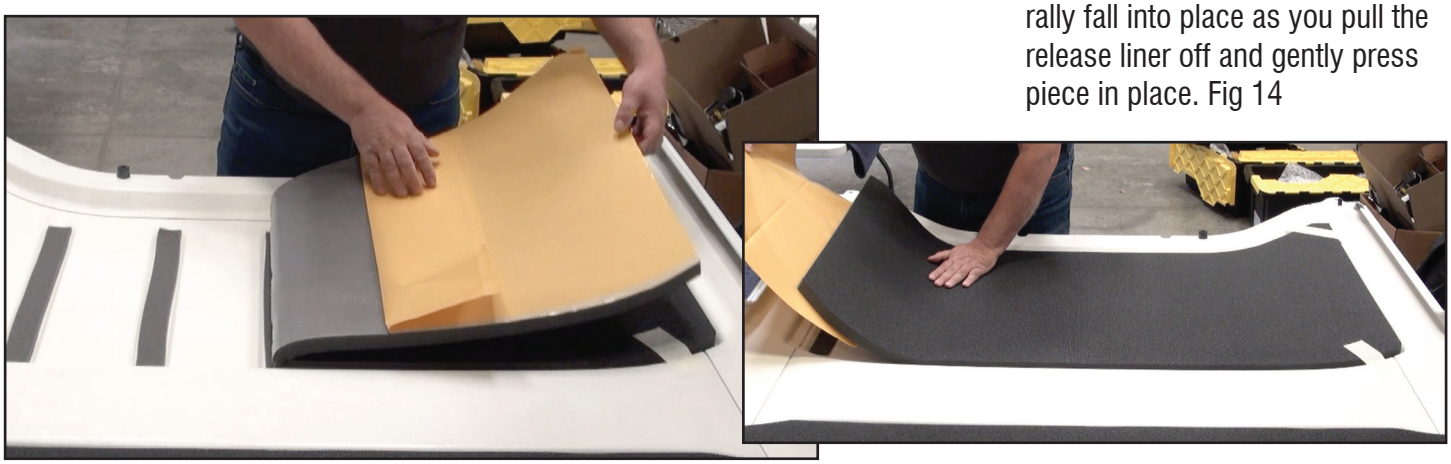


FIG. 14
Peel back a small section of release liner start to adhere the piece to the top. Continue to pull the relase liner off and gently press piece in place

13.) Remove temporary tape pieces you added in step 11, fold the piece over and slowly pull the release liner off as you press the piece in place. Fig 15 & Fig 16.



FIG. 15 & Fig 16
Slowly pull the release liner off as you press the piece into place. NOTE: Use gentle pressure. DO NOT use a lot of pressure when pressing piece into place.