



INNOVATIVE  
**HEAT & SOUND  
CONTROL**  
SOLUTIONS

# INSTALLATION INSTRUCTIONS

**PART #902416**  
**ROOF INSULATION KIT**  
**2024 & UP POLARIS XPEDITION**  
**ADV NORTHSTAR 4-DOOR ENCLOSED**

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

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

## PARTS CHECKLIST

Piece # 351 - Roof Insulation  
Piece # 557 - Roof Insulation  
Piece # 559 - Roof Insulation

## NOTES

- Test fit all parts
- See factory manual for detailed instructions for removing roof panels

## SURFACE PREP

Clean surfaces with Windex/glass cleaner/microfiber towels.

## TOOLS

Torx Screw Driver

1. Open rear glass and tailgate. Remove the rear headliner. It is held in place with Torx screws. Once all the screws are removed, you can pull the headliner down and set on a table. (Fig 1 & Fig 2)

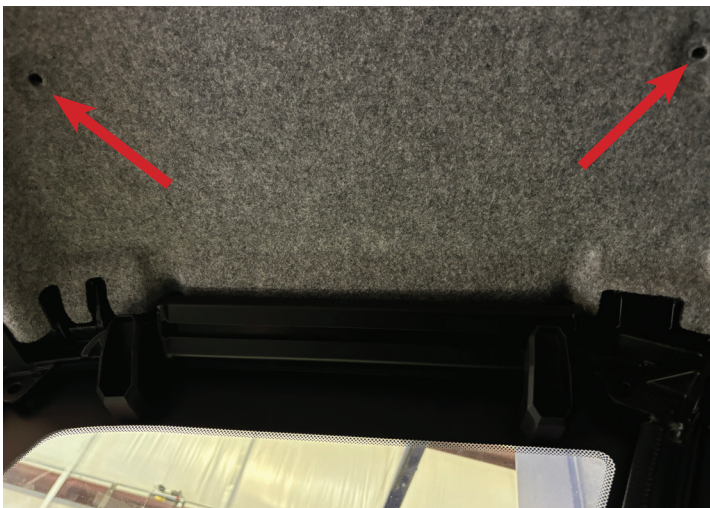


FIG 1



FIG 2

2. Find the smaller White insulation panel Piece 352. This will sit on the top side of the headliner, between the headliner and roof. Set the fuzzy side down against the headliner, making sure to line up all the cut outs and holes. Fig 3

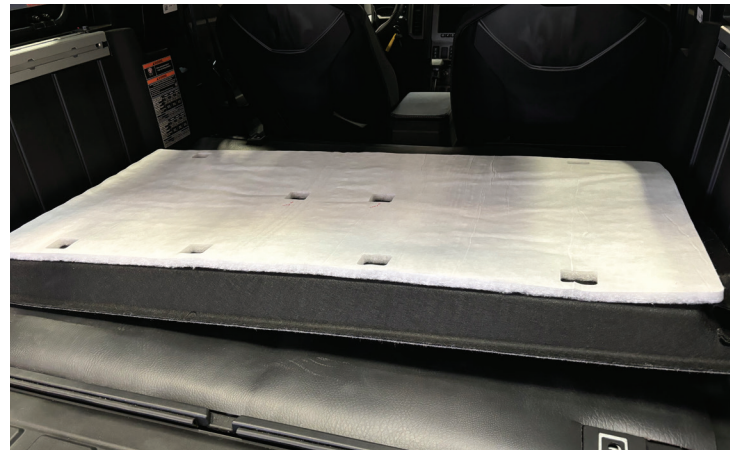
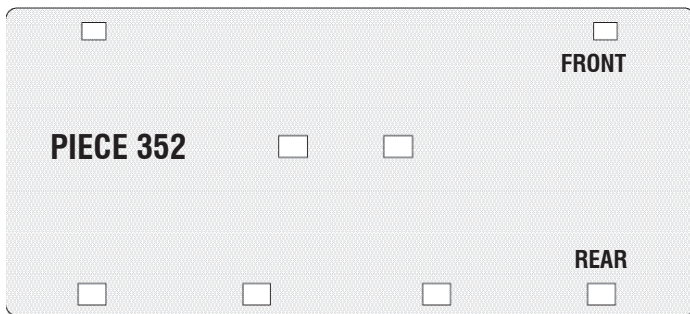


FIG 3

3. Fit the headliner back into place with the White insulation sandwiched between the headliner and roof. Start a few screws and push the edges back into place. Install the remaining screws and tighten, do not overtighten the screws, they only thread into the plastic roof, snug is good. Fig 4



FIG 4

4. Repeat the same procedure for the front headliner, you will have to remove the dome light, push the locking clip on the wire plug to remove. Fig 5 & Fig 6. Remove rear view mirror. The mirror uses two Allen screws. Fig 7



FIG 5



FIG 6



FIG 7

5. Remove the rest of the screws and headliner. Fig 8

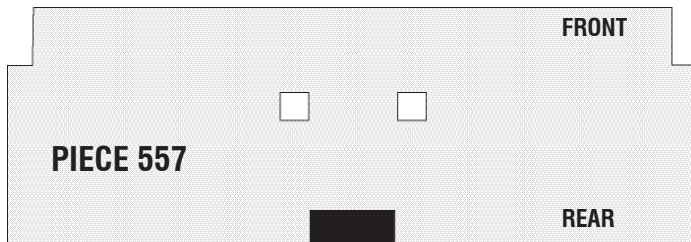


FIG 8

6. Install the White insulation (Piece 557) fuzzy side down against the headliner, and reinstall the headliner. Fig 9, Fig 10 & Fig 11



FIG 9



FIG 10



FIG 11

7. Remove the middle headliner. It is held in place with Torx screws. Once all the screws are removed, you can pull the headliner down and set on a table. Fig 12

8. Install the headliner White insulation (Piece 559) fuzzy side down against the headliner, and reinstall the headliner. Fig 13 & Fig 14

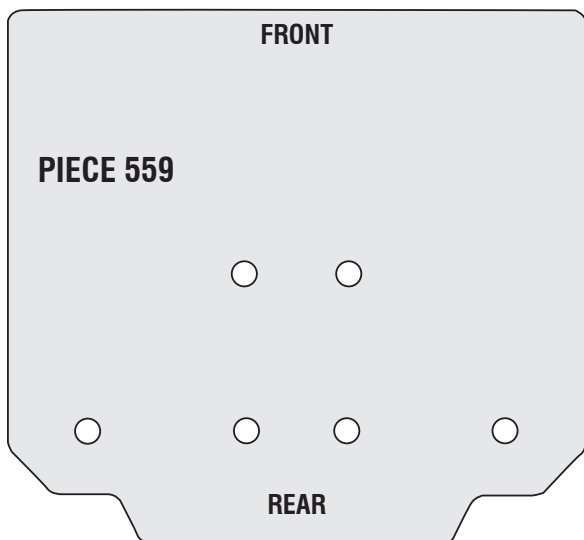


FIG 12



FIG 13



FIG 14