

Design Engineering Inc.

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THERMAL TUNING PRODUCTS

Installation Instructions

DEI Turbo Insulation Kit™

PART NO. 010113

| KIT CHECKLIST | |
|---------------|----------------------------------|
| 2 | 14" Stainless Steel Locking Ties |
| 2 | 20" Stainless Steel Locking Ties |
| 12" x 36" | Heat Screen Material |
| 36" | 6" Tan Exhaust Wrap Material |
| 25' | 2" Tan Exhaust Wrap |
| 1 | DEI Decal |

| NOTE |
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| The Turbo Insulation Kit prevents engine heat soak by extreme exhaust temperatures. |

DIRECTIONS

- 1 - Measure the exhaust side of the turbo unit. Measure the length as well as the width. Be sure to measure the complete circumference so that full insulation will be achieved.
- 2 - Cut the 6" wide, tan exhaust material, to cover as much of the exhaust side of the turbo as possible.
If the width of your unit exceeds 6", it will be necessary to cut another strip of material to cover the remainder of the turbo. This is extremely important as this material is what retains the heat of the turbo and provides the majority of the insulating qualities.
- NOTE Using the same measurements as in step 1, layout and cut the aluminized material. The aluminized material will be used to hold the tan exhaust material in place and provide additional insulation.
- 3 - Measure a 1/4" in from the edge of the aluminized material and begin to make a series of 1/4" marks 1/2" apart along both lengthwise edges.
- 4 - Using a razor knife, cut on the marks created in step 4 to allow insertion of the 20" Stainless Steel Locking Ties.
- 5 - Interweave the 20" Stainless Steel Locking Ties in & out of the holes created in step 5.
- 6 - On the exhaust side of the turbocharger, neatly lay the aluminized material over the 6" tan exhaust material from edge to edge. Start on the side closest to the induction compressor bunching the aluminized material to give it a good hold on the 6" material below. Fasten the 20" locking tie. Repeat procedure on the opposite side and secure with 20" locking tie. Trim the 20" Locking Ties to length and smooth the edges to prevent sharp points.
- 7 - If your unit utilizes a waste gate actuating lever, it will be necessary to cut a relief hole through the material for the lever to protrude.
- NOTE
- 8 - Wrap the down pipe with the included 2" exhaust wrap. Use the 14" stainless steel locking ties to secure the ends of the exhaust wrap.