

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: Turbo Shield Kit

KIT CONTENTS:

Turbo Shield	Qty 1
Stainless Safety Wire 5ft	Qty 1
Product Instructions	Qty 1
2" x 15ft Exhaust Wrap	Qty 1
Locking Ties	Qty 2

TOOLS NEEDED:

Wire pliers, scissors, needle nose pliers

SAFETY:

Safety glasses
Gloves

NOTE OF CAUTION: This turbo shield is not flammable. However, if any flammable liquids (fuel, oil) are introduced, conditions may be suitable for a flame to be present. Please take all necessary precautions to insure that the oil supply line and all fluid fittings are in proper working order. DEI is not responsible for any damage caused by fluid contamination.

This shield is not designed to be removed after it has been through heat cycles. After the fibers have been heated they lose their initial flexibility. This does not reduce the thermal properties of the shield. Be aware of this before you decide to remove the shield.

OVERVIEW: Custom fit turbo shields provide the ultimate means of reducing turbo lag and serve as a superior heat barrier. Allowing more heat in the turbine and less damaging underhood radiant heat resulting in a boost in horsepower! Stronger and more durable than other turbo blankets or shields, we have added true riveted anchors along with added seam protection to accommodate the higher horsepower levels of heat.



Fig. 1

1. **CAUTION:** Make sure the engine and turbo housing are cool before attempting installation.
2. Fit the turbo shield onto the housing. Orientate the shield so that the two anchor points are nearest the intake flange (**Fig. 1**)
3. Be sure the shield does not interfere with the operation of the actuator arm on the wastegate. (**Fig. 1**)
4. Using the supplied stainless safety wire, secure the shield to the turbo housing starting with the two anchor points, running underneath the housing, and attaching to the single anchor point on the opposite side. Only snug the wire, do not over tighten or damage may occur to the anchor point. Anchor point style may vary depending on your particular turbo shield. (**Fig 2, Fig 3, Fig 4**)

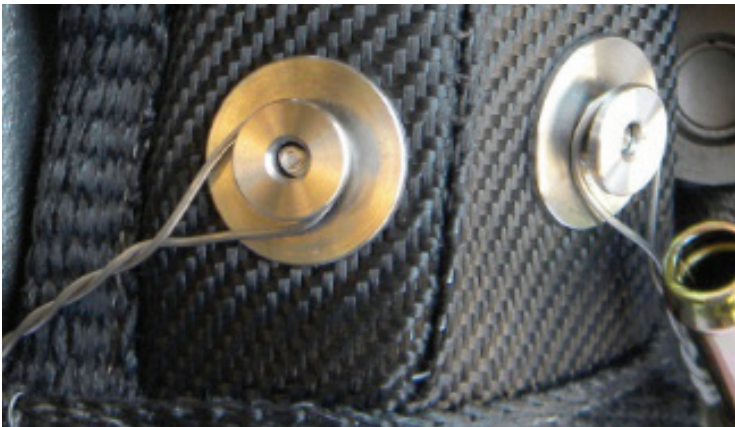


Figure 2



Figure 3



Figure 4



Figure 5

5. If needed, use additional wire to secure shield to the chassis.
6. During initial heat exposure, the shield may emit smoke and have a small odor. This is normal and will disipate quickly.
7. **WARNING: DO NOT PRESSURE WASH! DEI** Turbo Shields are made from the highest quality heat resistant textiles. However, high pressure washing will prematurely degrade the shields structural integrity.
8. Do not handle or remove shield excessively after heat has been applied. This can cause the fibers of the shield to breakdown prematurely.
9. (If you purchased the turbo shield kit) Using the provided exhaust wrap, start at the bottom of the down pipe and wrap working up to the top. Keep an $\frac{1}{4}$ " overlap on the wrap and secure the wrap using the provided stainless lock ties (**Fig 5**)