

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)**

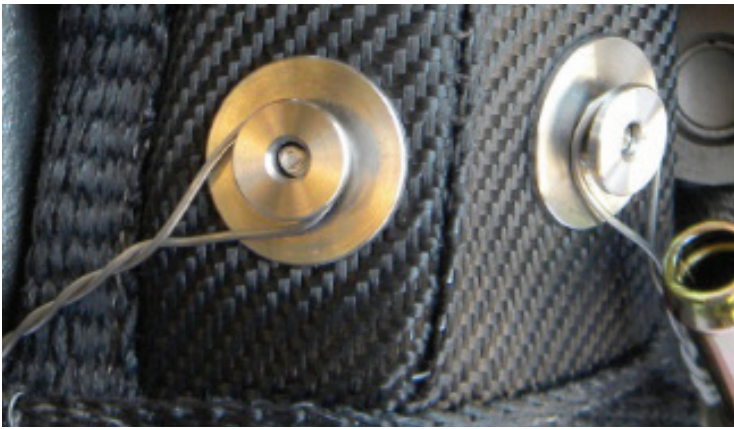


Figure 2



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 ¼" overlap on the wrap and secure the wrap using the provided stainless lock ties (**Fig 5**)

Design Engineering, Inc. thanks you for your purchase!

We proudly produce exceptional quality heat and sound control products for the performance racing industry, powersports, marine, and RV markets. You can trust DEI products to solve your heat and sound control issues. If you have any issues, contact us right away.

DEI Limited Warranty

Design Engineering, Inc (DEI) believes in maintaining a high level of customer service and satisfaction.

DEI warrants to the original retail purchaser with proof of purchase for warranty determination that its products are free from defects in material and workmanship while purchaser owns the vehicle upon which such product(s) were originally installed. DEI's obligation under this warranty shall be limited to the repair or replacement of parts that are determined by DEI to be defective, or refund of the products original purchase price, at DEI's option, of the alleged defective product. We pledge that if at any time you encounter a problem with our products, we will strive to correct the problem in the most timely and efficient way possible, subject to the terms, conditions, and Limitations contained herein.

This warranty does not extend to damage or defect in the finish of a product or to any product that, in the opinion of DEI, has been misused, damaged by accident, or negligence, altered or modified in any way, installed contrary to DEI's installation instructions, or repaired by an unauthorized service facility.

DEI makes no warranty for products installed on vehicles used for race or competition purposes.

To make a claim under this warranty or receive service, purchaser must first return alleged defective product to place of purchase for warranty determination within thirty (30) days after purchase. In the event purchaser does not receive satisfaction from the original place of purchase, purchaser must contact DEI and request product return instructions. After receiving an assigned Return Good Authorization number, purchaser must return alleged defective product pre-paid along with original dated proof of purchase sales receipt and a written description of problem to DEI (address below).

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Specifications, materials, components, color, finish, model changes, availability, and prices are subject to change without notice.

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For all items purchased directly through the DEI website, you may return most new, unopened items within 30 days of delivery for a full refund. We'll also pay the return shipping costs if the return is a result of our error (you received an incorrect or defective item, etc.). Items with custom cut patterns and/or custom cut lengths of material cannot be returned. Clearance or discontinued items cannot be returned.

You should expect to receive your refund within four weeks of giving your package to the return shipper, however, in many cases you will receive a refund more quickly. This time period includes the transit time for us to receive your return from the shipper (5 to 10 business days), the time it takes us to process your return once we receive it (3 to 5 business days), and the time it takes your bank to process our refund request (5 to 10 business days).

If you need to return an item that was purchased directly through the DEI website, please [Contact Us](#) with your DEI website order number and details about the product you would like to return. We will respond quickly with instructions for how to return items from your DEI website order.