

# FR SHIELD KIT

## Product Installation Sheet



SAFETY GLASSES REQUIRED



GLOVES REQUIRED



DUST MASK REQUIRED



CAUTION: THIS PRODUCT IS ELECTRICALLY CONDUCTIVE. BE SURE TO INSULATE ANY TERMINALS, WIRES OR CIRCUITS THAT MAY COME IN CONTACT WITH THIS PRODUCT.

## Required Equipment

- Scissors or utility knife
- Dust Mask
- Safety Glasses
- Gloves
- Pre-paint



## Installation Tips

- Make a template with paper. It is easier and less expensive to make a mistake with a piece of paper than it is to buy another FR shield kit.
- Clean fuel rail of any grease and dirt before applying FR Shield. It is also a good idea to use isopropyl alcohol or a pre-paint cleaner before installing the FR Shield.
- For a clean look, and a simpler installation make the seam of FR Shield kit on the bottom side of the fuel rail.

## Overview

FR Shields™ prevent radiant heat from soaking the fuel rails. These will improve performance and help reduce instances of pre-ignition. We all know the benefits of keeping the fuel that's headed into the engine cool, but fuel-injected vehicles also need to keep the fuel returning to the gas tank or fuel cell cool? Over a long-distance race, hot fuel returning to the fuel cell can really heat it up, so keeping fuel temps down while returning to the fuel cell can be almost as vital as keeping the fuel delivered to the engine cool. When the warm fuel returns to the fuel cell, it will heat up the fuel in the cell, which causes it to change the chemical balance of your fuel, greatly affecting the existing tune settings. Keeping fuel cool helps to preserve the chemical balance of the fuel and maintains maximum efficiency. FR Shields™ are available in kits to fit either single- or dual-rail system

**HEATSHIELD PRODUCTS, INC.**  
PO Box 462500  
Escondido, CA 92046



(800) 750-3978  
tech@heatshieldproducts.com  
www.heatshieldproducts.com

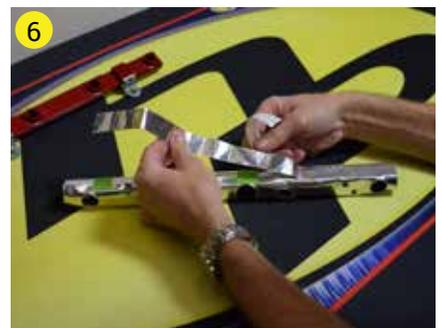
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## Installation Steps

- 1** Measure the circumference of your fuel rail and the length. Transfer these measurements to your paper. Cut out your paper template.
- 2** Wrap the paper template around the fuel rail. It is easier if you make the FR shield template meet in on the bottom side of the fuel rail. It makes it easier to cut out the holes for the injectors on the seam. Make sure you make accommodations for all injectors, ports, and plugs that maybe required.
- 3** After you have confirmed your template fits, carefully trace the template onto the FR Shield cloth. To better hide pen marks, trace your pattern onto the white fabric side of the FR Shield.
- 4** Cut out FR Shield cloth.
- 5** Test fit cut FR Shield cloth onto fuel rail. If you need to make any modifications, do so at this time.
- 6** All the hard work is done, simply wrap your FR Shield onto your fuel rail. Use enclosed Cool Foil Tape to seam. Be sure you do not cover holes for the injectors, ports, and plugs with the foil tape.
- 7** Clean up and go have fun!



You may also be interested in

### THERMAFLECT SLEEVE™

- Capable of reducing up to 90% of radiant heat
- Helps to prevent vapor lock, reduces air-intake temperatures, protects wires from melting
- Available in a sewn and hook-and-loop seam
- 3' and 10' lengths



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Escondido, CA 92046



(800) 750-3978  
[tech@heatshieldproducts.com](mailto:tech@heatshieldproducts.com)  
[www.heatshieldproducts.com](http://www.heatshieldproducts.com)