

# **PERRIN**

## PERFORMANCE

### **Turbo Heat Shield for Subaru Turbos**

Thank you for purchasing the PERRIN Turbo Heat Shield for your stock location Subaru Turbo. Installation of these components should only be performed by persons experienced in the installation and proper operation of Subaru exhaust/turbo systems.

Thank you for purchasing this PERRIN product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation.

#### **SPECIAL NOTES:**

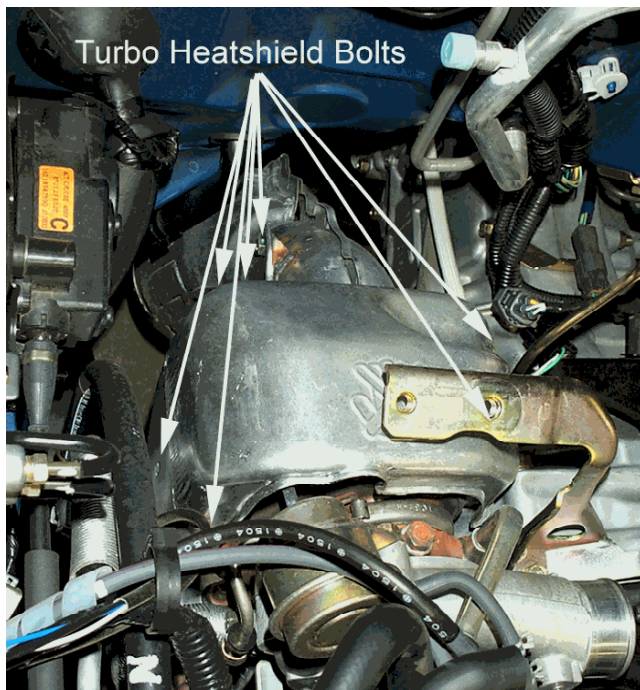
- Take care to adjust shield so it doesn't hit on components which can cause noise as well as damage.
- OEM heat shield brackets need to be installed on your downpipe and uppipe in order for this work. Subaru Replacement part numbers are: Lower Uppipe Heatshield Bracket 14427AA022 and Upper Downpipe Heatshield Bracket. These are items you can get from you dealer or directly from us.

#### **Parts Included with PERRIN Turbo Heat Shield:**

- **(1) Turbo Heat Shield**
- **(3) M6x10 Button Head Screws**
- **(3) M6SS Fender Washers**
- **(1) M4 Hex Key**

#### **Installation:**

- 1) Open hood and locate turbocharger. Remove Intercooler from car to expose turbo. Locate and remove (2) 12mm bolts on each side of intercooler. Locate and remove (2) 12mm bolts (10mm bolts on 08+ WRX/LGT) holding BOV to intercooler.
- 2) Loosen hose clamp at throttle body, and turbo and remove intercooler (on 08+ WRX/LGT, remove (2) 12mm bolts securing intercooler to turbo outlet)
- 3) Locate and remove (7) 10mm bolts holding OEM shield to turbo and downpipe.



- 4) Carefully install PERRIN Turbo heat shield over turbo. This can be done without removing the gold colored intercooler bracket, but removing this can make this step a little easier.
- 5) Using supplied hardware install M6 bolts and M6 Fender washers to secure shield to turbo, but leave all bolts slightly loose to adjust shield.

- 6) Adjust shield until it covers as much of the turbo as possible without it hitting on other components. This is important to ensure shield doesn't rub through hoses, and other vital engine components.
- 7) Tighten all bolts hand tight using supplied wrench.
- 8) Proceed with reinstalling intercooler making sure that all hose connections are good and tight.
- 9) After two days of use, check to ensure all bolts are tight. It's a good idea to check these bolts periodically to ensure they have not come loose.