Turbo Heat Shield for Subaru Turbos

2024-11-07 PSP-EXT-001

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. We can be reached in any of the following methods:

Email Tech@PERRINperformance.com
Instant Chat off the main page of www.PERRINperformance.com
Or simply call our tech team at 503-693-1702

SPECIAL NOTES:

- The use of a factory service manual is highly recommended. These can be purchased or downloaded online at http://techinfo.subaru.com.
- 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 44021AA014. These are items you can get from you dealer or directly from us.

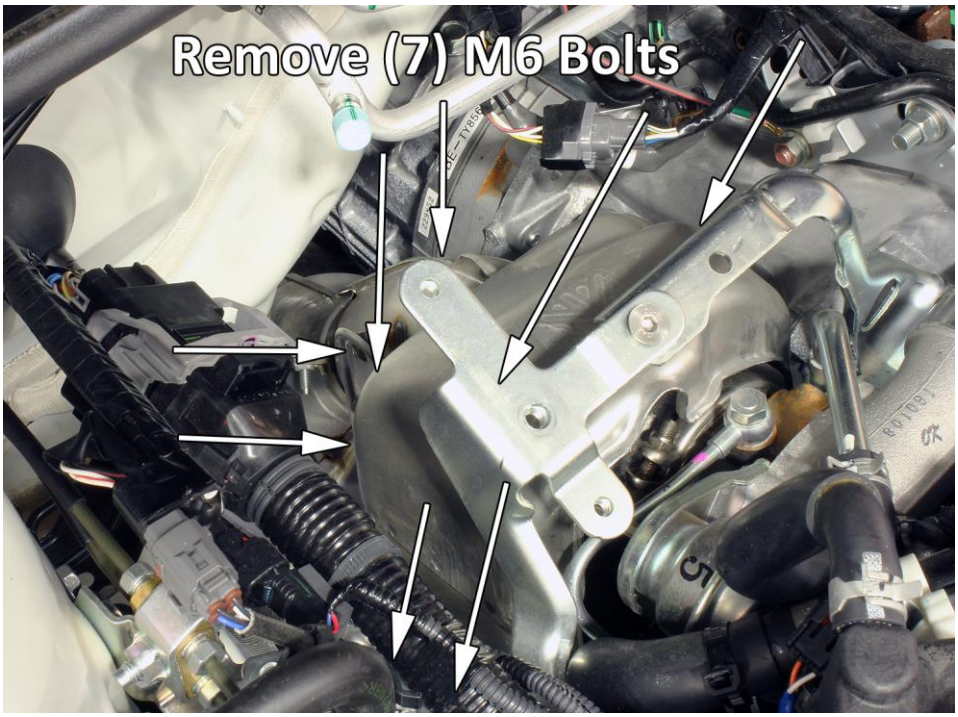
Parts Included with PERRIN Turbo Heat Shield:

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

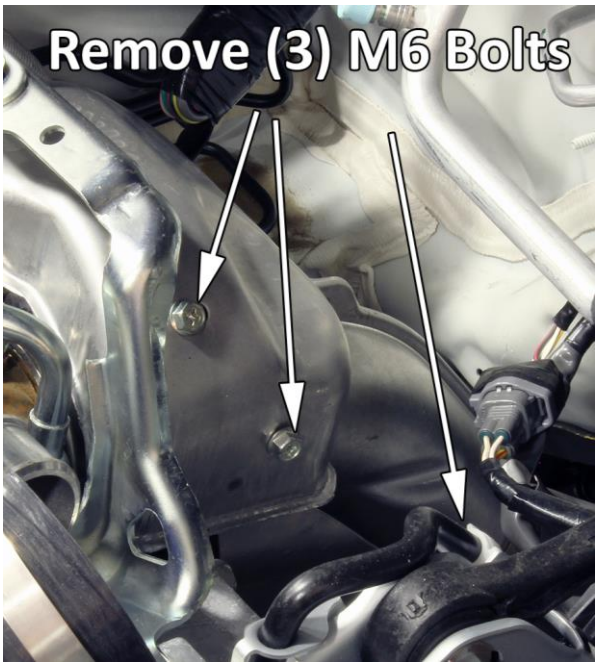
Installation:

1. Raise vehicle onto jack stands or use commercial vehicle hoist. NEVER WORK ON A VEHICLE SOLELY SUPPORTED BY A JACK!
2. Remove Intercooler from car. This step will vary between WRX models and STI models. While the steps are similar the info below is a guide.
    a. 2004+STI and 04-07 WRX Models
        i. 2004+STI and 04-07 WRX models will need to disconnect Crank case Vent hoses. Some hoses are pushed over the pipe and some require the electrical/mechanical connection to be disconnected.
        ii. Remove (2) bolts securing BOV to intercooler and (2) bolts on either side securing intercooler to engine.
        iii. Loosen (1) hose clamp on throttle body coupler (intercooler side only) and (1) hose clamp on coupler at the turbo outlet (under right side of intercooler).
        iv. Pull up on the back side of the intercooler a few times to free from connections and remove from vehicle.

    b. 2008-14 WRX Models
        i. Remove (2) bolts securing BOV to intercooler and (1) bolt on side securing intercooler to engine.
        ii. Remove (2 bolts securing right side of intercooler to turbo.
        iii. Loosen (1) hose clamp on throttle body coupler (intercooler side only).
        iv. Pull up on the back side of the intercooler a few times to free from connections and remove from vehicle.







3. Locate and remove (7) 10mm bolts securing heatshield to turbo and brackets. **NOTE: There is a hard to reach bolt located on the downpipe that secures the lower heat shield to it. The use of an extremely long extension makes removal much easier.**
4. Remove heat shield from car. **NOTE: This is a tight fit but can be done without removing the intercooler support bracket.**
5. Carefully install PERRIN Turbo heat shield over turbo. This can be done without removing the intercooler support bracket, but removing this can make this step a little easier.
6. Using supplied hardware install M6 bolts and M6 Fender washers to secure shield to turbo, but leave all bolts slightly loose to adjust shield.
7. 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.
8. Tighten all bolts hand tight using supplied wrench.
9. Proceed with reinstalling intercooler making sure that all hose connections are tight.
10. After 100 miles of driving or 10 days, check to ensure all bolts are tight. It's a good idea to check these bolts periodically to ensure they have not come loose.

Questions, Comments and Suggestions Contact: Tech@PERRINperformance.com
Visit Our Website for Instant Chat Options at www.PERRINperformance.com
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