

PERRIN

02-07 WRX/STI SHORT RAM INTAKE SYSTEM

2017-02-28

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:

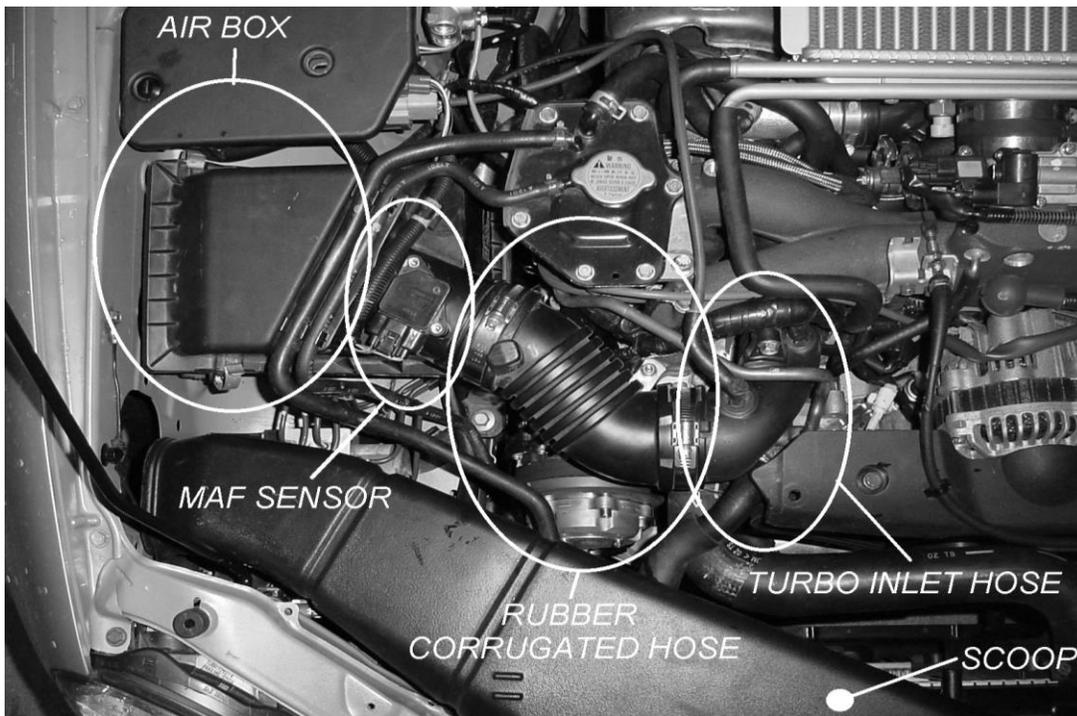
- The use of a factory service manual is highly recommended. These can be purchased or downloaded online at <http://techinfo.subaru.com>. NOTE CONSULT FACTORY SERVICE MANUAL FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
- This intake system is designed to replicate the factory MAF curve. There is no need for retuning the ECU. This intake will not cause a CEL.
- Make sure to clean the excess oil from the inside of the filter base. This will ensure that the filter doesn't slip off intake system.
- We recommend that your filter should be cleaned every 5-10,000 miles, depending on local dust and pollutant levels. A special foam filter cleaning kit is available for these filters. NOTE: Use of other cleaners and oils can damage filter and void warranty.

Parts Included with the PERRIN Short Ram Intake:

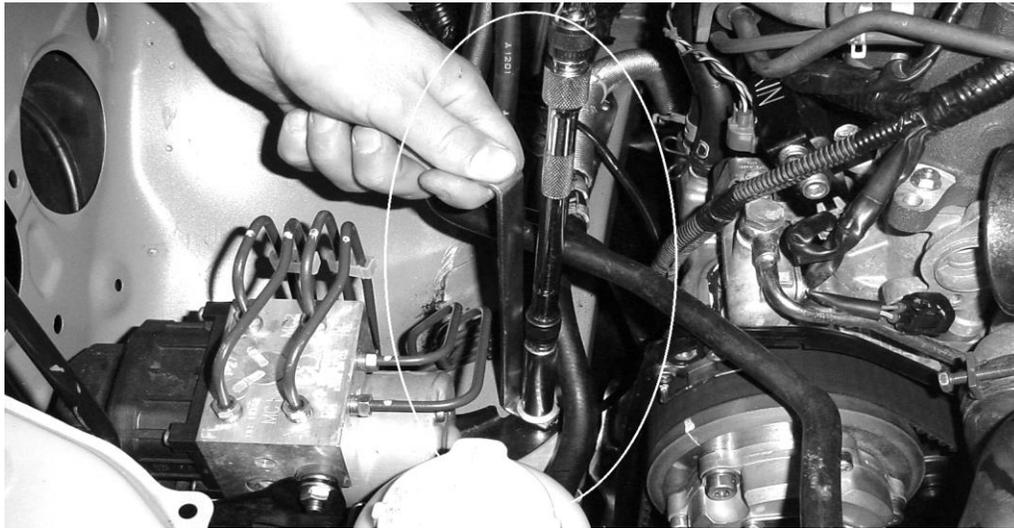
- (1) WRX MAF/Tube
- (1) 3.125"ID PERRIN 2pc Filter
- (1) WRX Intake bracket
- (1) 2.75"ID Black PERRIN coupler
- (2) Hose Clamps
- (2) M4x10mm screws

Installation of PERRIN Short Ram Intake System

1. Disconnect negative battery terminal.
2. Remove factory air inlet scoop to ease access. It can be removed completely or re-installed later.



3. Remove the mass airflow sensor (MAF) from the factory air box. Leave it plugged into wiring harness. (See fig 2) NOTE DIRECTION OF SENSOR FOR RE-INSTALLATION!
4. Remove the short rubber corrugated hose from the plastic turbo inlet hose to the air box.
5. Remove factory air filter box and filter. (2) 12mm bolts on frame rail.



6. Install supplied long bracket to the lower air box bolt-hole closest to the front of the car. (See above pic)
 7. Install silicone coupler over plastic turbo inlet hose. Silicone tube will be snug to plastic inlet hose, trimming of lip or using a bent awl may be necessary for ease of fitment.
 8. Loosely install (2) Clamps supplied in kit around both ends of silicone tube.
 9. Install MAF sensor to intake tube, using supplied screws. The wiring harness/plug should face the front of the car. (See below pics)
 10. Install PERRIN intake tube into silicone couplers. Loosely secure with previously installed hose clamp included in kit.
 11. Remove clamp from PERRIN air filter. Install the Perrin air filter to the MAF adapter. BEFORE INSTALLATION, REMOVE ANY EXCESS OIL FROM INNER LIP OF FILTER AND FROM BODY, USING A PAPER TOWEL. Place hose clamp around filter and bracket.
 12. Tighten down all clamps snugly.
- NOTE: OVER TIGHTENING THE CLAMPS CAN CUT THE RUBBER FILTER BASE, DAMAGE MAF ADAPTER TUBE AND SILICONE COUPLER. FAILURE TO INSTALL MAF SENSOR CORRECTLY WILL DAMAGE SENSOR AND ENGINE DAMAGE CAN RESULT!**
13. Reconnect vehicle battery
 14. Re-install factory air inlet scoop if desired.
 15. Check all connections and start the vehicle.



Tuner Info for Custom ECU Calibrations

- MAF Scaling we have used to create custom calibrations for the ECU are available to professional tuners upon request. This MAF scaling can be used by your tuner to allow them to easily recalibrate the ECU to run properly with custom tunes. Recalibrating the ECU for this intake is NOT necessary for a stock car with a stock tune, this is only for cars with custom tunes or other aftermarket parts installed.

Questions, Comments and Suggestions Contact: Tech@PERRINperformance.com

Visit Our Website for Instant Chat Options at www.PERRINperformance.com

Call Our Tech Team at 503-693-1702