

PERRIN

PERFORMANCE

02-07 WRX/STI COLD AIR INTAKE

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

GENERAL MODIFICATION NOTE

Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive a vehicle safely may result in serious injury or death. Do not drive a vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult the owner's manual, service manual, instructions accompanying these products, and local laws before purchasing and installing these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

SPECIAL NOTES:

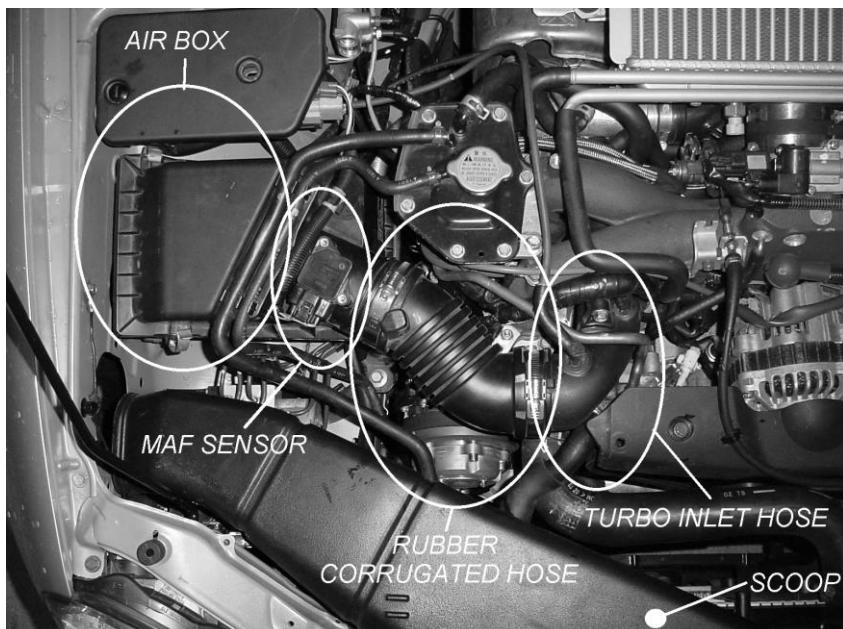
- The use of a factory service manual is highly recommended. These can be purchased online at <http://techinfo.subaru.com>.
- Make sure to wipe off excess oil from your filter and outer filter sock. Then do the same for the rubber areas the clamps touch. This will ensure filter does not slip off of intake tubing when tightening clamps down. Tightening with a screwdriver is recommended to avoid overtightening.
- 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 from dealers. NOTE: Use of other cleaners and oils can damage filter and void warranty.

Parts Included with the PERRIN Cold Air Intake System:

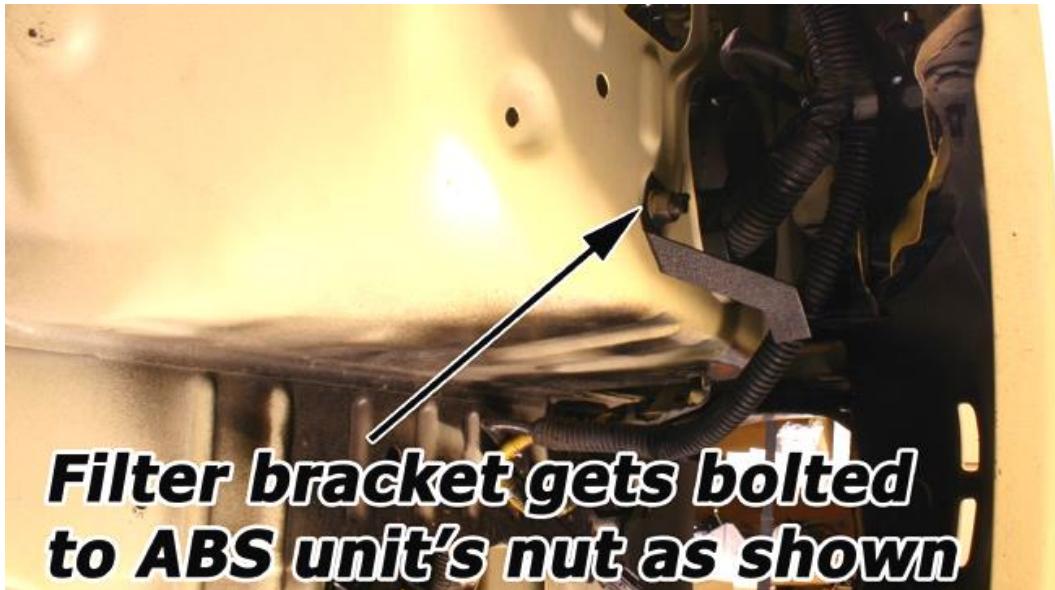
- (1) WRX MAF Tube
- (1) WRX Aluminum Cold Air Intake Extension
- (1) 3.125" ID 2pc Filter
- (1) 3.125" Silicone Coupler
- (1) 2.75" Silicone Coupler
- (1) WRX Cold Air Intake bracket
- (4) Size 48 Hose clamps
- (2) M4 x10 Screws
- (12') door edge molding

Installation of the PERRIN Cold Air Intake System

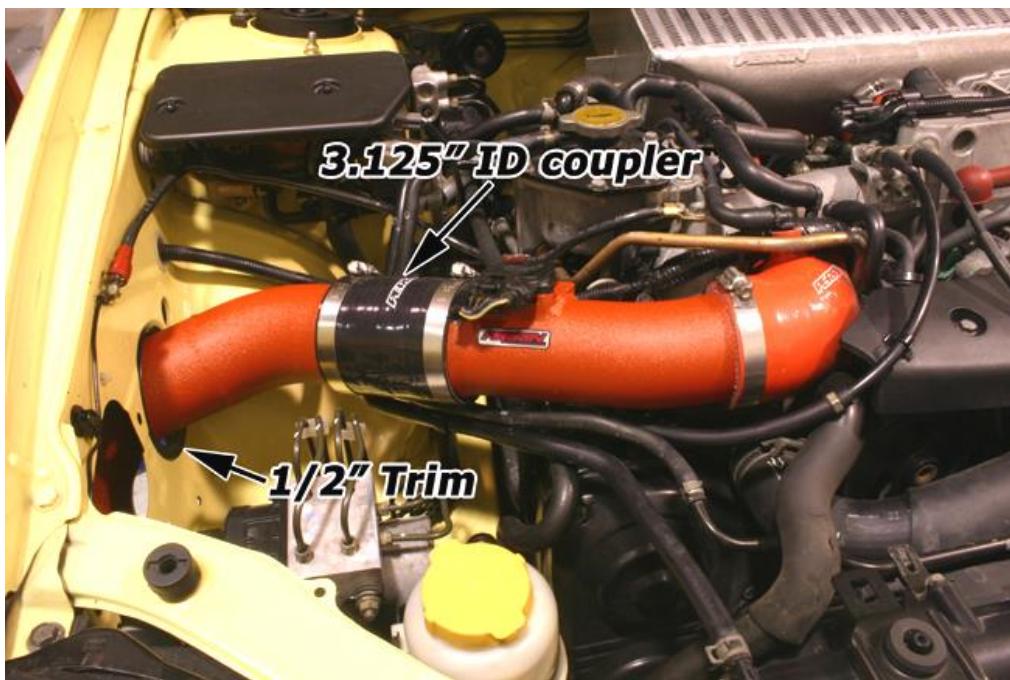
- Disconnect vehicle battery
- Remove factory air inlet scoop to ease access. It can be removed completely or re-installed later with slight modification.



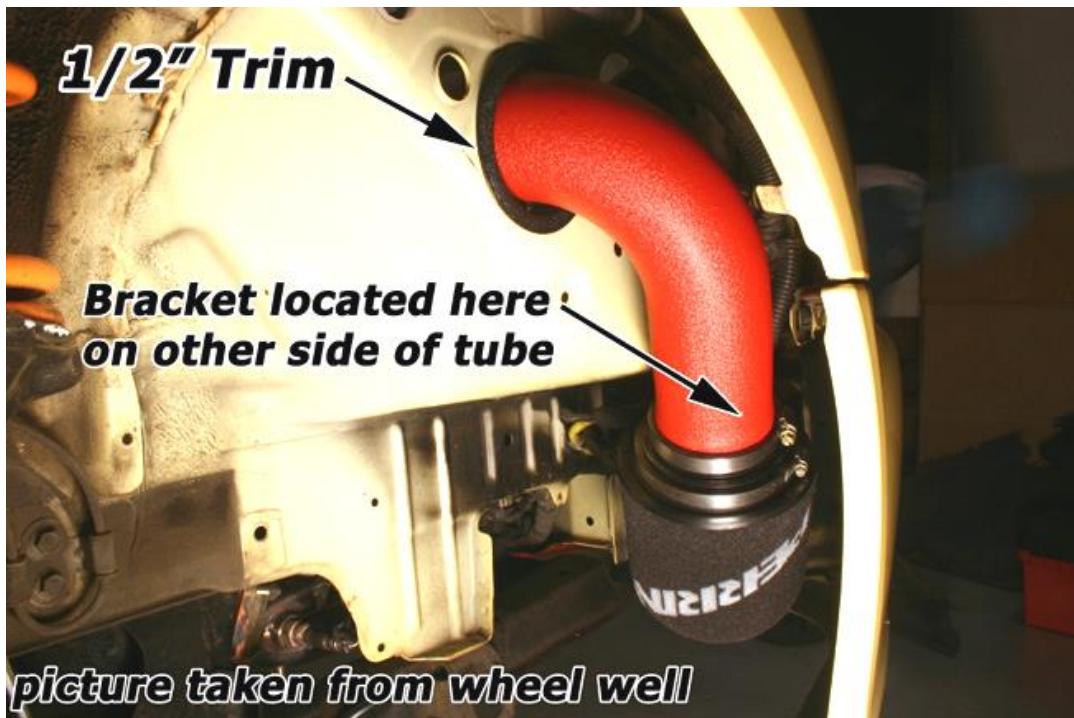
3. Remove the mass airflow sensor (MAF) from the factory air box. Leave it plugged into wiring harness.
4. Remove the short rubber corrugated hose from the plastic turbo inlet hose to the air box.
5. Remove (2) 12mm bolts securing factory air filter box to chassis. Remove air filter box from car. (2) 12mm bolts located on chassis.
6. Locate 10mm nut securing intake muffler to inner fender well. Remove this nut then push the intake muffler toward the inside of the fender well.
7. Under car remove (3) plastic push clips securing lower plastic splash shield to car. Pull down plastic shield to expose intake muffler.
8. Carefully pull intake muffler out bottom of car. **Note: This can be tricky and sometimes raising the car off the ground will help in removing from fender. If you choose to lift car in air, remember to support using jack stands.**
9. Install supplied 12" Long rubber trim around edge of hole closest to back of car. See below picture for more details.
10. Install 2.75" silicone coupler over plastic turbo inlet hose. Coupler will be snug to plastic inlet hose and using a bent awl will help make this easier.
11. Loosely install (2) hose clamps supplied in kit around both ends of silicone tube.
12. Install the black MAF adapter tube into 2.75" silicone coupler. Loosely secure with previously installed hose clamp included in kit.
13. Install the MAF sensor to MAF adapter tube, using supplied M4 screws. The wiring harness should face the front of the car if installed correctly.



14. Inside fender well, locate 14mm nut securing ABS unit to chassis. Remove nut and place supplied bracket on exposed stud and loosely install nut. This will be adjusted later.
15. Install supplied 3.125" silicone coupler onto MAF housing. Install (2) supplied hose clamps around coupler.
16. Install cold air extension pipe into rear most hole on fender well (where trim was installed earlier). The end with the short straight section will remain in the engine bay. Leave clamps loose as some adjustment will be needed in next few steps.



17. Inside fender well, locate intake pipe and bracket. These should be resting on top of one another. Place filter onto pipe keeping in mind that the hose clamp will go around bracket and filter at the same time. Loosen clamp around filter enough to get bracket under clamp.



18. Adjust all pieces of the intake system to align pieces for best fit. When aligned, tighten all clamps. **NOTE: some alignment of tubes may be needed after a test drive to ensure no parts are coming in contact with chassis.**
19. With intake installed and aligned, start car to ensure no vacuum leaks occur.
20. Reinstall lower plastic splashguard using plastic push fittings removed earlier.
21. Check all connections and start the vehicle. If vehicle runs normally take for test drive.

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