

# PERRIN

## WRX SHORT RAM INTAKE SYSTEM

07/08/10

Thank you for purchasing the PERRIN short ram intake system. Installation of this intake system should only be performed by persons experienced in the installation and proper operation of Subaru engines. Please read all instructions before performing installation.

**WARNING:** This part is designed, manufactured, and sold solely for use on off-road and racing vehicles not controlled by federal and or local emissions laws. It is not intended for use on vehicles that operate on public streets and highways. Use of this part on emissions controlled vehicles may be in violation of federal or local law! ASMC, LTD. is not responsible for any damages as a result of misuse of this part. Check your local laws prior to use or installation.

### **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 from our website and dealers. NOTE: Use of other cleaners and oils can damage filter and void warranty.

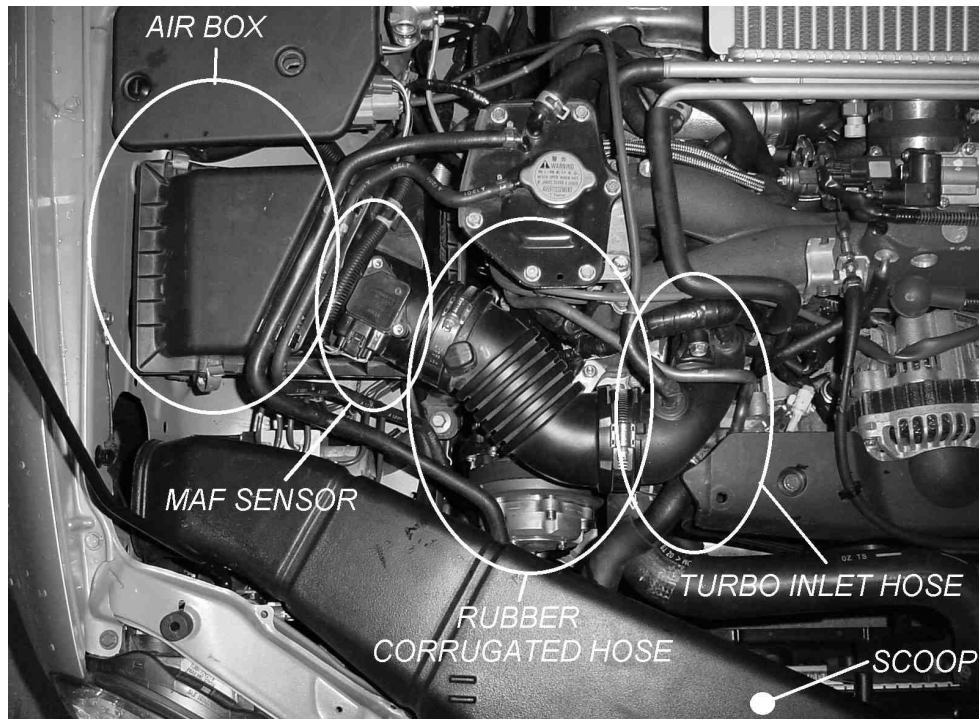
### **Parts Included with the PERRIN Short Ram Intake:**

- (1) WRX MAF/Tube
- (1) 3.125"ID PERRIN 2pc Filter
- (1) WRX Intake bracket
- (1) 2.75"ID Black PERRIN coupler
- (2) Size 312 PERRIN T-Bolt clamps
- (2) M4x10mm screws

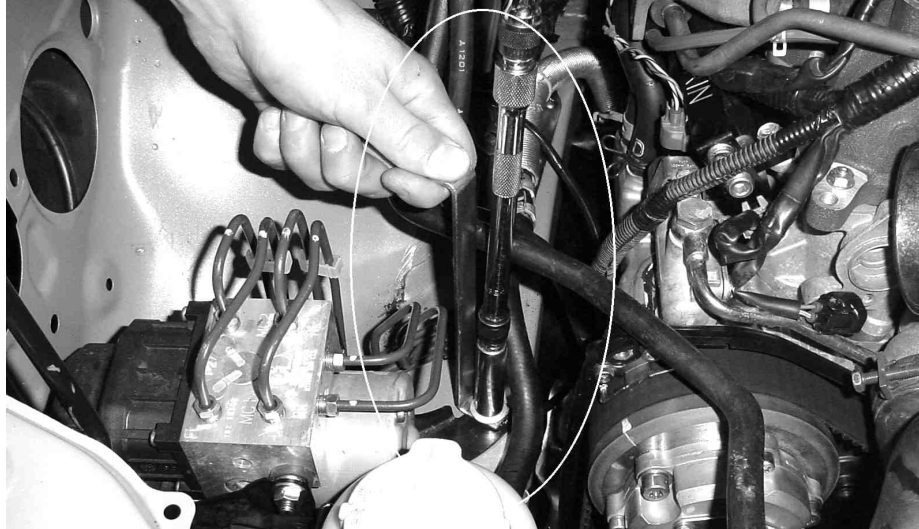
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### **Installation of PERRIN Short Ram Intake System**

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) T-bolt 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.



*Above pic shows intake installed with optional PERRIN turbo inlet hose. NOTE: Supplied Silicone Coupler is not needed for this installation.*

**For questions & comments please contact**  
[INFO@PERRINPERFORMANCE.COM](mailto:INFO@PERRINPERFORMANCE.COM)  
 503-693-1702  
 AIM contact ALTAPERRINSALES