

# PERRIN

## PERFORMANCE

### WRX/STI COLD AIR INTAKE

PSP-INT-322BK & PSP-INT-322RD

#### Vehicle Fitment Chart:

2015 SUBARU WRX STI H4-2.5L Turbo  
2012-2014 SUBARU WRX STI H4-2.5L Turbo  
2012-2014 SUBARU WRX H4-2.5L Turbo  
2009-2011 SUBARU WRX STI H4-2.5L Turbo  
2009-2011 SUBARU WRX H4-2.5L Turbo  
2008 SUBARU WRX STI H4-2.5L Turbo  
2008 SUBARU WRX H4-2.5L Turbo

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](mailto:Tech@PERRINperformance.com)  
Instant Chat off the main page of [www.PERRINperformance.com](http://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 and can be purchased or downloaded online at <http://techinfo.subaru.com>.
- This PERRIN intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.
- We recommend that your filter should be cleaned at least every 20,000 miles, depending on local dust and pollutant levels. A special dry flow filter cleaning kit is available from our website and dealers. NOTE: Use of other cleaners and oils will damage filter and void warranty.

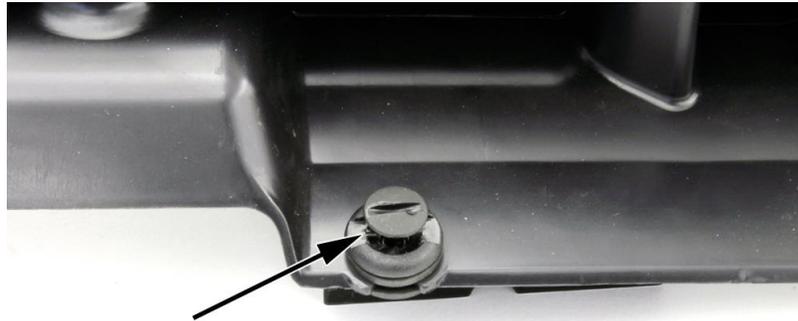
#### Parts Included with the PERRIN Cold Air Intake:

(1) 2.75" ID filter	X-PSP-INT-324
(1) Intake tube	X-PSP-INT-322BK or RD
(1) Mounting Bracket	X-PSP-INT-323
(2) Clamps	X-CLAMP-048
(1) Silicone 2.75" ID Coupler	X-PSP-INT-213BK
(1) CARB EO Sticker	X-PSP-INT-322-1
(2) M4x10 Philip Pan Screws	X-BLT-M4X0.7X10
(2) 3/8" Washers	X-BLT-37WSAEH-ZY
(2) M6 Fender Washers	X-BLT-M618WF-SS
(1) M6x20 Hex bolt	X-BLT-M6X20CH10.9-Z
(1) M6 Nut	X-BLT-M6NS-SS
(3) Zip Ties	X-ZIP-069085
(1) Vacuum Cap 7/8"	X-ASM-ENG-616

#### Installation

1. Disconnect negative terminal of vehicle battery. **NOTE: This will reset the ECU, so any custom ECU calibration may be lost and may need to be reflashed.**

2. Remove (2) plastic fasteners holding air scoop to car by turning 90 degrees with a flat head screwdriver or using panel popper tool.

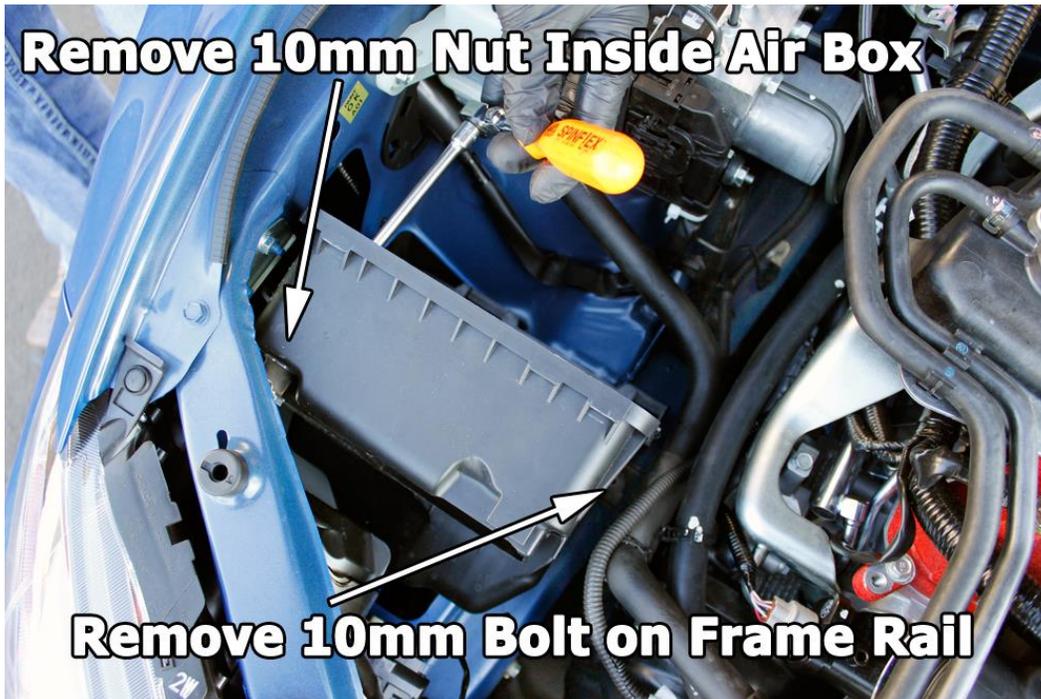


### Use Flat Head Screw Driver or Panel Popper Tool

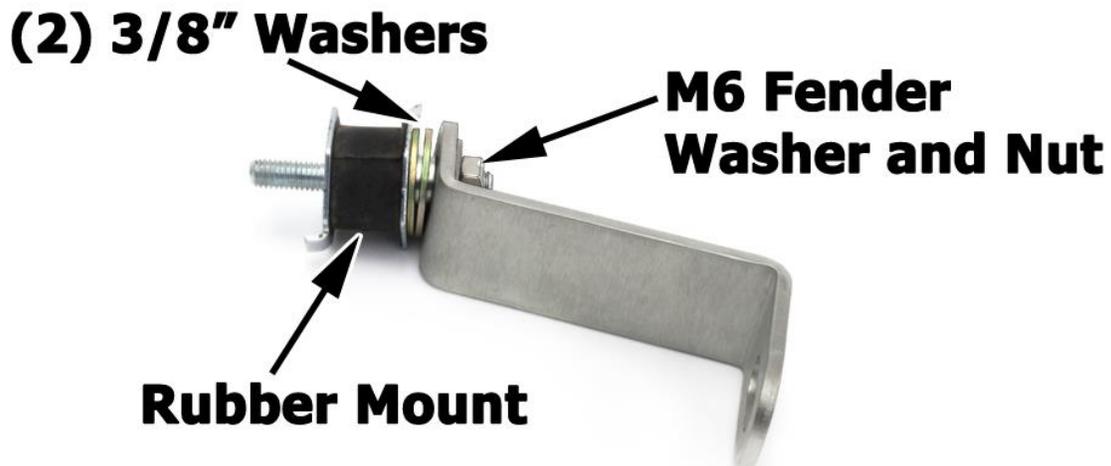
3. Loosen hose clamp securing rubber intake hose to turbo inlet pipe. Do this until hose clamp is completely loose around rubber hose.
4. Unplug MAF sensor, flip (2) metal clips to free rear section of air box, unsnap MAF harness and rubber hose from side of air box. Carefully remove rear section of air box, air filter and rubber hose from turbo inlet pipe in one step. **NOTE:2015 STI customers will need to follow the below instructions to remove the additional sound generator hose.**
  - a. For 2015 STI models with the "Sound Generator" hose, locate where hose passed through firewall and remove leaving behind grey plastic fitting.
  - b. Install supplied cap over grey plastic fitting and secure with zip-tie (Shown in picture below).
  - c. Follow rubber tubing back toward engine and remove (2) 10mm bolts securing sound generator to engine (above turbo).
  - d. Now air box with rubber intake hose can be removed from car.



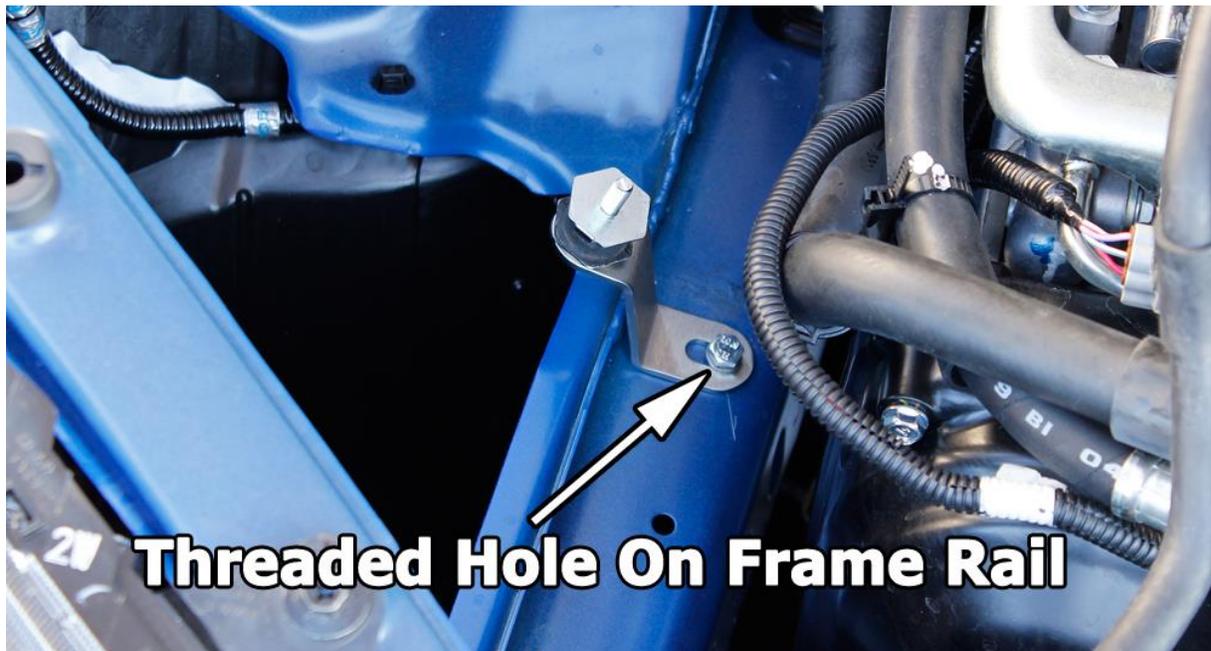
5. Remove 10mm nut located inside of air box (as shown) and 10mm bolt securing lower section of air box to chassis.



6. Remove front section of air box from vehicle.
7. Using a 10mm socket, remove (2) nuts securing upper air box mounting bracket and rubber mount. Remove bracket with rubber mount from chassis and using 10mm socket then remove nut securing rubber mount to bracket. This rubber mount will be used in next step.
8. Install rubber mount to supplied bracket as shown. Make sure that (2) 3/8" washers go onto stepped side of mount before mount goes through round hole in bracket. Secure mount to bracket using supplied M6 fender washer and nut. If installed properly, rubber mount will not rotate when nut is tight.



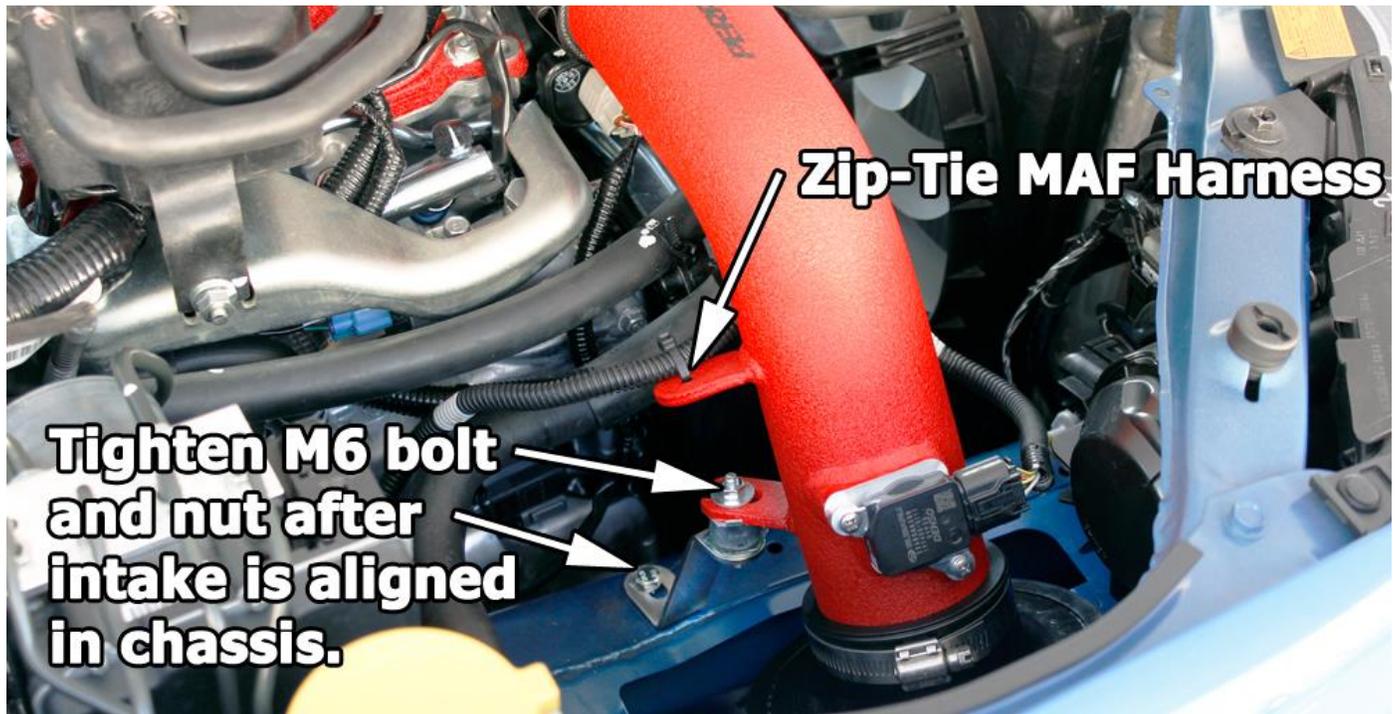
9. Install supplied bracket (with rubber mount) to threaded hole in frame rail and secure using supplied M6 screw and fender washer. Leave loose until air intake pipe is mounted.



10. Install supplied silicone coupler to turbo inlet hose making sure to push coupler at least .50" past the bump on the end.
11. Install (2) supplied clamps over coupler and leave loose until final step.
12. Remove MAF sensor from factory air box, place into PERRIN intake tube and secure using supplied M4 screws.
13. Install air filter to end of tube with black plastic air straightener glue in one end.



14. Install intake tube into coupler and over rubber mount.
15. Secure intake tube to rubber mount using supplied M6 fender washer and nut.
16. Adjust intake tube so filter and other parts are at least 3/8" away from chassis and other immovable objects.
17. Tighten 10mm bolt securing bracket to chassis. Tighten 10mm nut securing rubber mount to intake tube.
18. Adjust clamps and tighten around silicone coupler.



19. Re-install plug/harness to MAF sensor making sure that small tab locks into place.
20. Using supplied zip tie, secure MAF's wire harness to small tab on intake pipe.
21. Reconnect negative terminal on battery, and attempt to start the car. The engine will crank over a few extra times more than normal, the first time you start it. This is normal after reconnecting the battery.

#### **CARB Sticker Placement**

1. The C.A.R.B. exemption sticker (included) must be visible under the hood so that an emission inspector can see it when the vehicle is required to be tested for emissions.
2. Clean area where label will be applied. Peel backing and place sticker firmly into place.

#### **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](mailto:Tech@PERRINperformance.com)  
Visit Our Website for Instant Chat Options at [www.PERRINperformance.com](http://www.PERRINperformance.com)  
Call Our Tech Team at 503-693-1702**