

PERRIN

2022+ WRX COLD AIR INTAKE

2023-03-08

PSP-INT-327

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@PERRIN.com

Instant Chat off the main page of www.PERRIN.com

Or simply call our tech team at 503-693-1702



WARNING: This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

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:

- Before installing new filter, excess oil must be mopped up. Especially around base where it connects to the intake pipe. We recommend removing both sets of clamps and wipe the oil from the clamps and the surfaces that they touch on the filter. This will ensure that during the tightening of the filter, the clamps will not slide off.
- We recommend that your filter should be cleaned at least once a year or every 10,000 miles, depending on local dust and pollutant levels.
- To clean your foam filter, simply remove the outer filter from the cage, then follow the directions from a foam filter clean kit (can be purchased at any local ATV/offroad vehicle store). **NOTE: Use of improper cleaners and oils will damage filter and void warranty.**
 - Clean the filter with water and a biodegradable degreaser such as Simple Green.
 - Let filter dry completely then apply the special foam filter oil to it while massaging it into the foam.
 - Mop up excess oil (especially around base of filter where it connect to intake pipe).
- Foam filter oil must be used (these are thick and sticky compared to the others) to oil the filter. NEVER use the typical K&N oil to oil this filter. This type of oil is too thin and will fall off the filter in a short period of time and filter will NOT capture dirt as it was designed to.

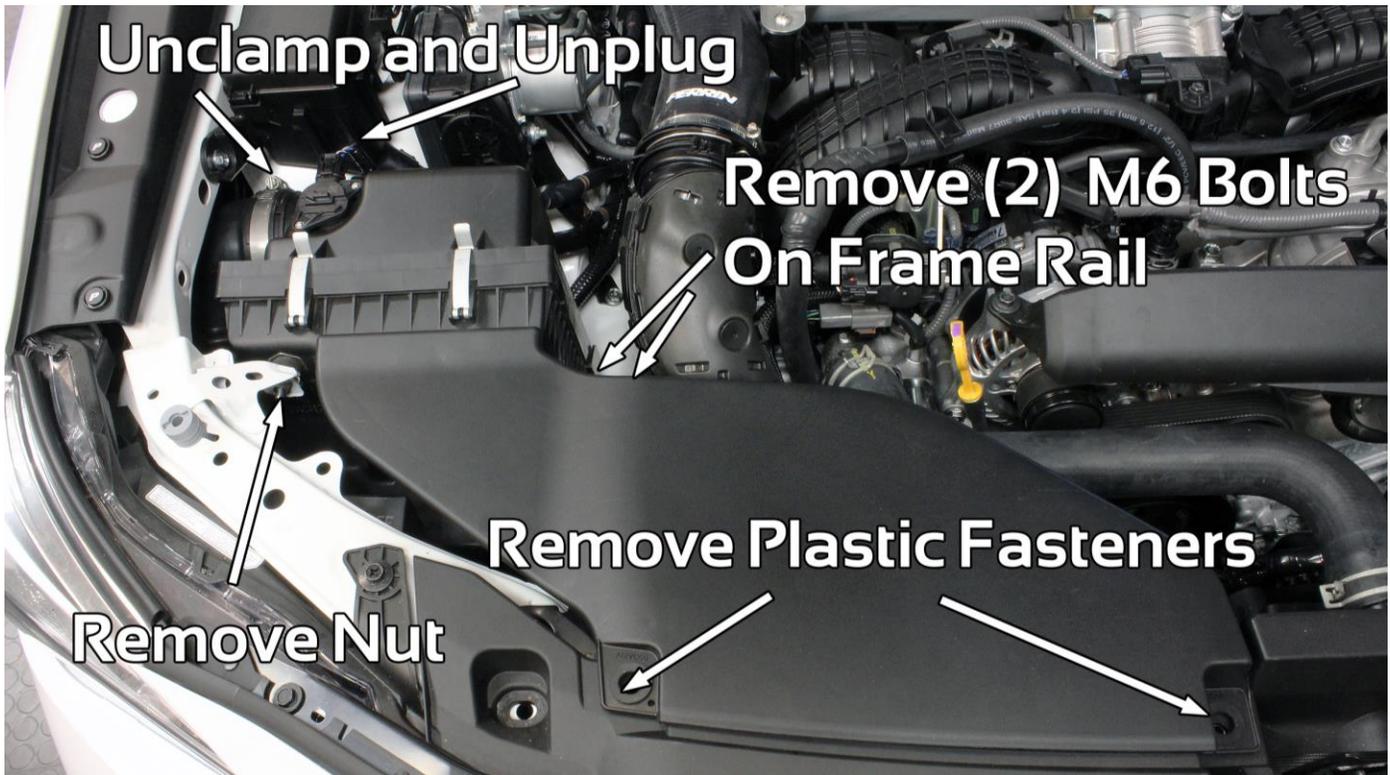
Parts Included with the PERRIN Cold Air Intake:

QTY	Part Number	Description
1	X-PSP-INT-327	Intake Tube for 2022+ WRX
1	X-PSP-INT-208	Filter Cone Type 3.125"ID 2pc
1	X-PSP-INT-323	Bracket for 08+ WRX/STI Cold Air Intake System
1	X-PSP-OIL-201-2	Bracket for CVT Trans Cooler Upper / 22+ WRX Oil Cooler Left
2	X-ASM-ITR-202	Spacer Round Type Alum .450"x .875" (EDP 725)
2	X-BLT-M4X10MPP-SS	M4 X 0.7 X 10 Phil Pan M/S Ss
1	X-BLT-M5KHS	M5 Short Arm Hex Key
2	X-BLT-M618WF-SS	M6 x 18 Fender Washer SS
1	X-BLT-M6NS-SS	M6 Lock-Nut SS
1	X-BLT-M6X40CH10.9-Z	M6 X 40mm Hex Bolt
1	X-BLT-M8X16CSB-SS	M8 X 16 Button Head Cap Screw SS
4	X-BLT-M8X25WF-Z	M8 Fender Washer
2	X-BLT-M8X30CSB-SS	M8 X 30 Button Head Cap Screw SS
3	X-BLT-M8NF-Z	M8 Nut
1	ASM-BDY-500	License Plate Frame PERRIN

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. Remove scoop from car and retain fasteners as these will be reused.
3. Unplug MAF sensor from harness and disconnect clip holding wire harness to air box.
4. Locate and remove (1) M6 nut securing front of air box to chassis, and (2) M6 bolts securing bottom of air box to chassis.
5. Loosen hose clamp securing intake tube to air box.

6. Remove air box from chassis.

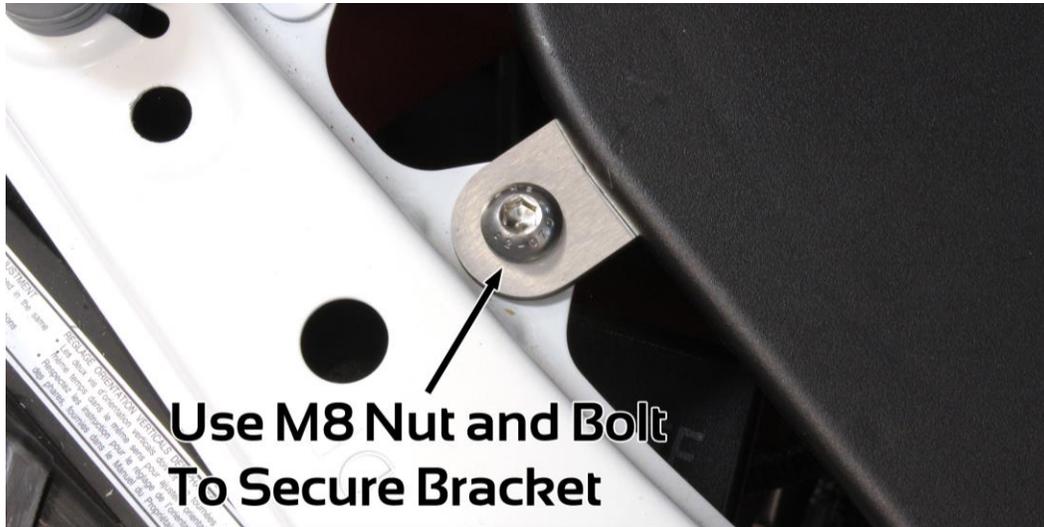


7. Inside of fender well area, locate OEM intake tube where it mounts to a bracket connected to the chassis at the frame rail. Remove nut on back side of bracket and pull intake tube out of bracket (It will still be connected to rubber intake hose).
8. Loosen hose clamp securing rubber intake hose to OEM intake tube. This clamp will be pointing down and not easily accessible. Either use a small 8mm socket to loosen, or carefully lift up on OEM intake tube until you can reach under to loosen the clamp.

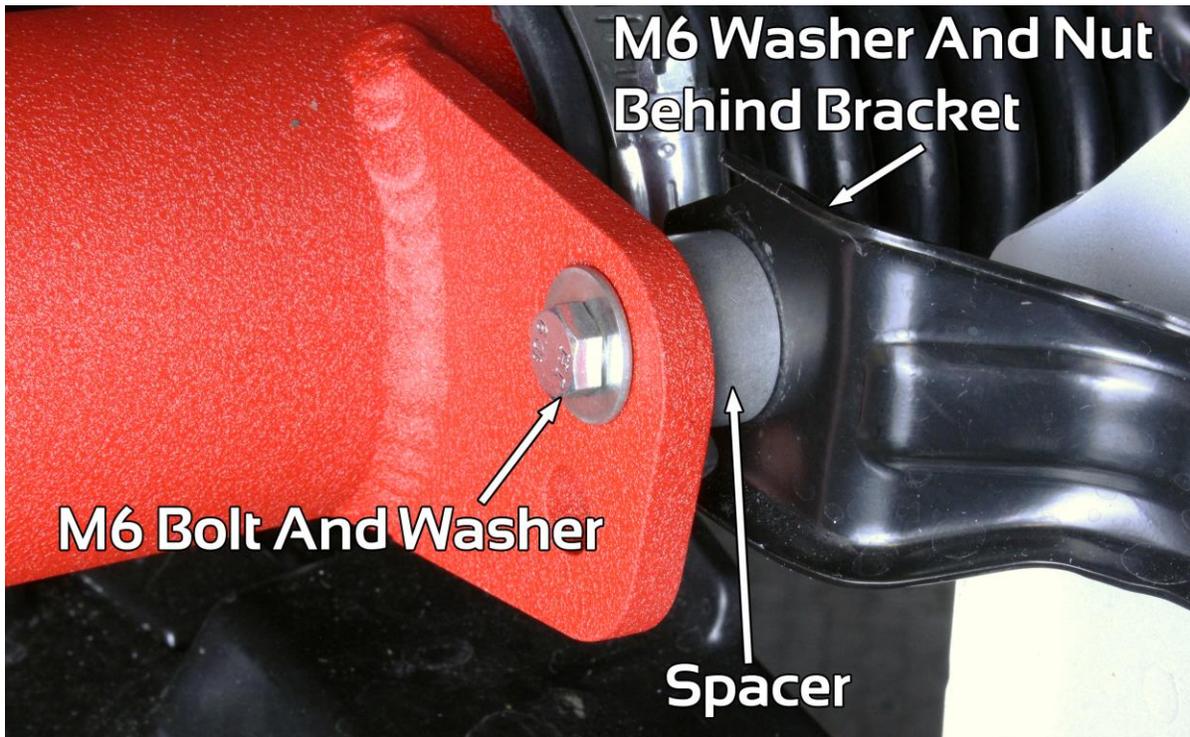


9. Remove OEM intake tube from chassis.
10. Locate and remove (2) screws securing MAF sensor to air box, then carefully remove MAF sensor from air box. **NOTE: We recommend reinstalling the OEM MAF screws into the OEM intake, so they do not get misplaced in the future.**
11. Install MAF sensor into PERRIN intake tube using supplied M4 screws. **NOTE: Do not force the MAF sensor into place by tightening screws, this will damage the sensor. A small amount of grease or engine oil on the O-ring will help MAF sensor slide into place.**

12. Using picture below, install smaller supplied bracket to hole on chassis above headlight. Secure with supplied M8 button head screw and nut. Before tightening, set intake scoop into place and rotate until it lines up as shown in the picture below. Tighten bolt to 10 ft-lbs. Remove intake scoop.



13. Set PERRIN Intake Tube into fender area and connect it to the OEM rubber intake hose but leave the clamp loose for now.
14. Mount lower portion of PERRIN Intake to chassis using M6x40 bolt, M6 fender washers, M6 lock nut and a single spacer (as shown below) into upper hole in bracket on PERRIN intake (making intake sit lower in chassis). Leave slightly loose for now.

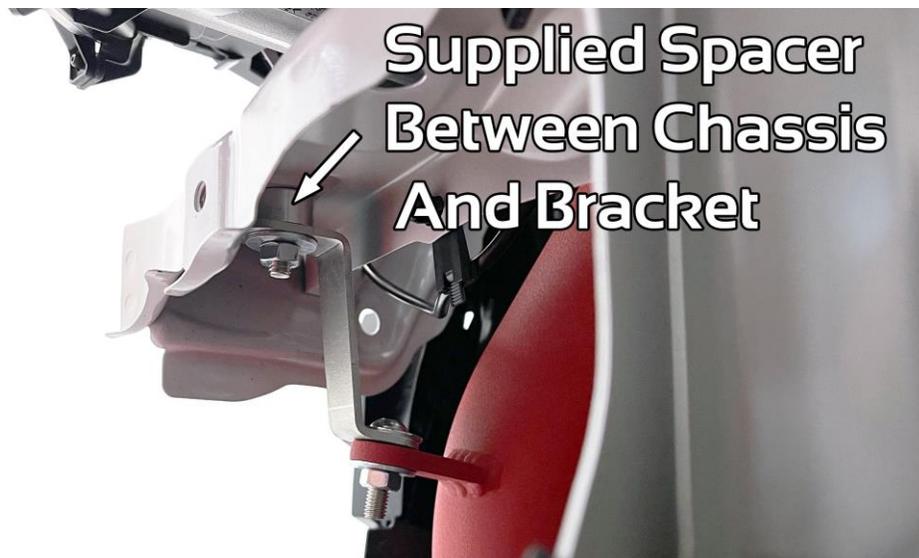


15. Using the next two pictures for reference, locate hole in chassis just below the headlight as shown below. Install supplied bracket (slot side up) with spacer to hole on chassis and secure with supplied M8 screw, washers and nut. Leave hardware loose at this time.



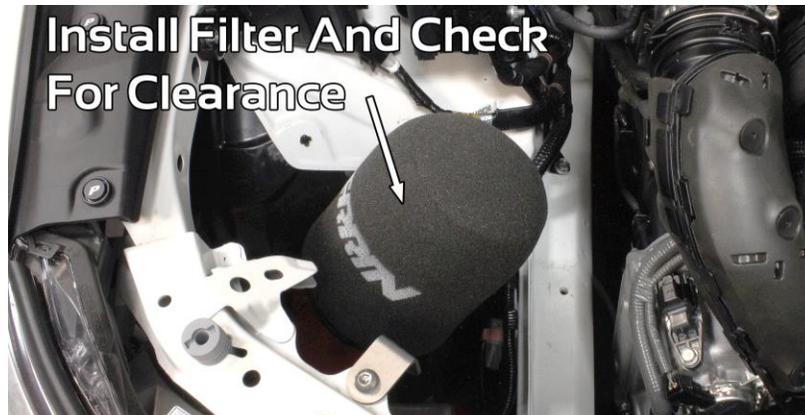
Bumper is shown removed in the above picture. This is done for illustration purposes only.

16. Using the pictures above and below for reference, install remaining M8 hardware and secure bracket to PERRIN Intake Pipe. Tighten hardware using fingers as this will need to be adjusted in a later step.



Bumper is shown removed in the above picture. This is done for illustration purposes only.

17. Connect MAF sensor to harness. **NOTE: You will need to cut small portion of electrical tape to get the full extension of the harness.**
18. Set air filter on top of intake tube then temporarily install intake scoop. Check for clearance with fender liner and any other objects. Make any final adjustments then remove intake scoop and filter, then tighten down M8 hardware to 15ft-lbs and M6 hardware to 10ft-lbs to secure Intake to chassis.



19. Secure PERRIN Intake Tube to OEM rubber hose with OEM hose clamp. Make sure and align it so clamp can be tightened from the engine bay as this will make for easier future removal.
20. Install air filter to intake tube and secure with hose clamp.
 - a. Make sure and read above special notes about wiping excess oil from filter.
 - b. The larger clamp that holds the filter to the base/cage just needs to be slightly snug. DO NOT over tighten this clamp or it will deform the base and cause the clamp to slip off.
 - c. With larger clamp snug, tighten main clamp to secure filter to intake tube. See pictures below for reference.



21. Reinstall air scoop to chassis and secure with OEM plastic fasteners.
22. 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.
23. Check that car runs as normal and doesn't stall. If engine stalls, or a check engine light appears, recheck all steps of the instructions, then attempt to start the car. If check engine light continues, determine what the code is in order to fix the issue.

Questions, Comments and Suggestions Contact: Tech@PERRIN.com
Visit Our Website for Instant Chat Options at www.PERRIN.com
Call Our Tech Team at 503-693-1702