

PARL MOTORSPORTS

INSTALLATION GUIDE



**2022+ Honda Civic Type-R FL5
High Volume Intake System**

PRL INSTALLATION OVERVIEW

PRODUCT: PRL-FL5-INT-HVI - 2022+ Honda Civic Type-R FL5 High Volume Intake System

FITMENT: 2022+ Honda Civic Type R

INSTALLATION TIME: Approximately 45 mins - 1 hour

NOTE: THIS ITEM DOES NOT REQUIRE AN ECU RE-CALIBRATION.

Please check that all components that are listed in the parts list have been supplied to you, and are correct. If you require any assistance or are missing components please email: support@prlmotorsports.com. Please verify with a customer service representative before installation or returning the product.

PRODUCT DISCLAIMER:

United States 48 State Compliant:

California/New York Residents please see Prop 65.

This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use including recreational use could be in violation of local, state and federal laws.

PRL Motorsports is not responsible for any vehicle damage or personal injury that may occur due to an installation error, product misuse, or removal of PRL Motorsports products. PRL Motorsports highly suggests that a trained professional conduct the installation on all products. PRL Motorsports is not responsible for damaged products due to incorrect installation.

REQUIRED TOOLS:

Ratchet
Extension (6 - 12" Length)
10mm Socket
12mm Socket
1/4" Hex Socket
Torque Wrench
Pliers
Phillips Head Screw Driver
Flat Head Screw Driver
Clip Removal Tool





COMPONENT LIST

#	PART #	QTY	DESCRIPTION
1	1	FL5-INT-HVI-ROTOBOX	Rotomolded Airbox
2	1	FL5-INT-HVI-ROTO-CVR	2023+ Honda Civic Type-R Airbox Cover
3	1	RAW-FL5-INT-HVI-RODUCT	2023+ Honda Civic Type-R Secondary Air Duct
4	1	FL5-INT-HVI-STK-MAF-IM	FL5 Injection Molded MAF
5	1	PRL-AF-4315	5.6 Inch Inlet Cone Filter
6	1	SIL-FL5-INT-HVI-HOSE-B	2023+ Honda Civic Type-R HVI Hose B
7	1	SIL-FL5-INT-HVI-HOSE-A	2023+ Honda Civic Type-R HVI Hose A
8	2	IFE-80-100-12	IFE 80-100-12 Hose Clamp
9	2	IFE-70-90-12	IFE 70-90-12 Hose Clamp
10	1	IFE-12-22-9	IFE 12-22-9 Hose Clamp
11	1	RAW-FL5-INT-HVI-BKT	2023+ Honda Civic Type-R High Volume ECU Harness Bracket
12	1	B02051	JIS Flange Bolt - Zinc Plated - M6 x 1 x 55
13	1	SIL-FL5-INT-HVI-SEAL	High Volume Air Duct Seal
14	1	PRL-FL5-INT-HVI-B3	Civic Type R Intake System Dress Up Washer
15	4	PRL-FL5-MDUW-M5	M5 Maf Housing Dress Up Washer
16	4	BOLT-M5*12-LOC	Flat Head Cap Screw - Stainless Steel - M5 x 0.8 x 12 With loctite
17	2	B07037	Socket Head Cap Screw - Stainless Steel - M4 x 0.7 x 6
18	5	B06011	Flanged Button Head Cap Screw -Stainless Steel- M5 x 0.8 x 10
19	1	CON-250	1/4" ID Corrugated Tubing
20	1	099019	7.5" Black UV Resistant Standard Ziptie
21	1	BOX-22x14x14	Box 12x6x6 ULINE PN S-16623
22	1	PRL-PACKEDBY-CARD	Packed By Cards to go in finished goods Post Cards 4x6
23	1	PRL-LANYARD-PRLPATTERN	PRL Pattern Lanyard
24	2	PRL-STICK-DC	PRL Motorsports Logo Sticker

1

Begin the installation by disconnecting the negative battery terminal.



2

Loosen 4 hose clamps on factory oem rubber connectors. Remove Valve cover vent hose from rubber boot connecting to OEM inlet pipe. Remove Both rubber connecting boots but leave plastic EVAP Purge Jet housing in the car.



3

Unplug wiring connector from MAF Sensor



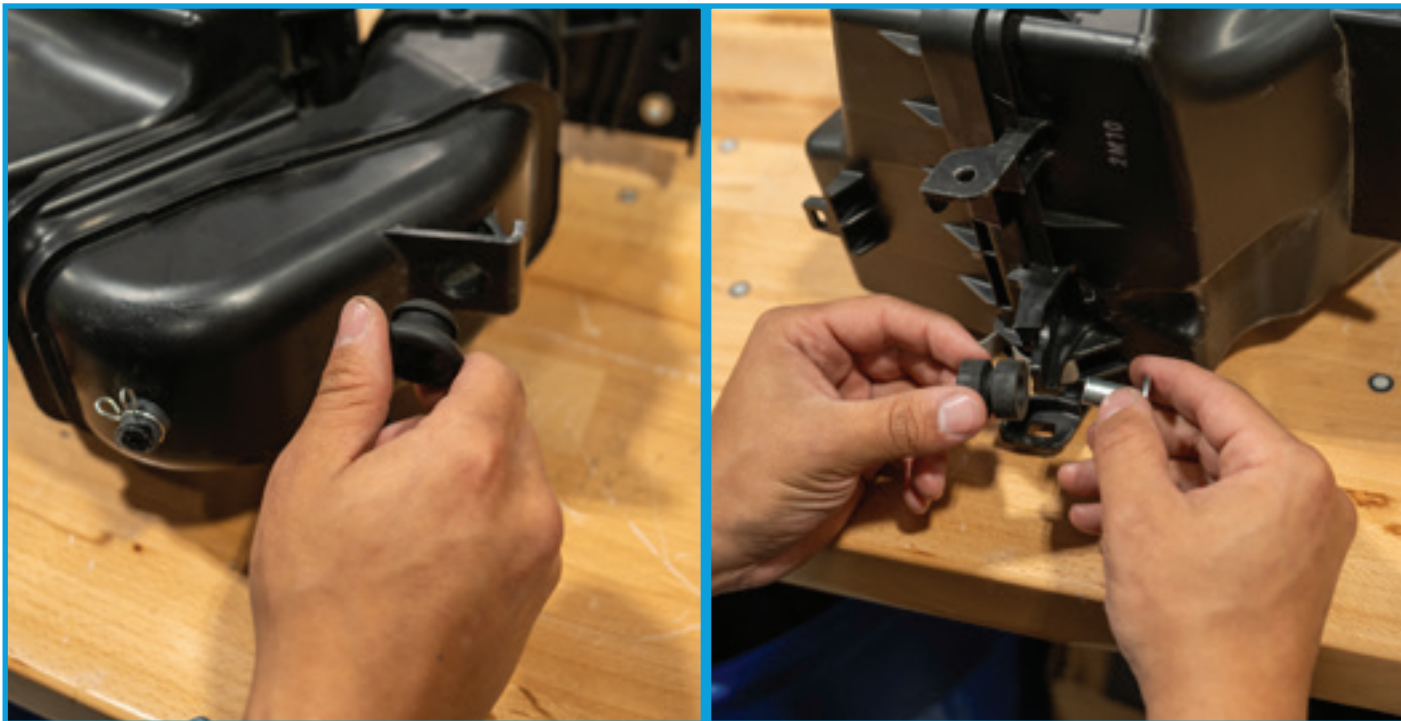
4

Remove the airbox bolts holding the airbox in the engine bay. 1 on back side, one on right side and 2 in front on airbox scoop. Pull the airbox from the engine and side aside.



5

Locate rubber bushings on rear of OE airbox and remove them, we will reuse them on the PRL unit.



6

Remove MAF sensor from OE airbox.



7

Remove the OE airbox weather stripping. It is easiest to use small needle nose pliers to gently squeeze clips and remove them from the OEM Inlet scoop.



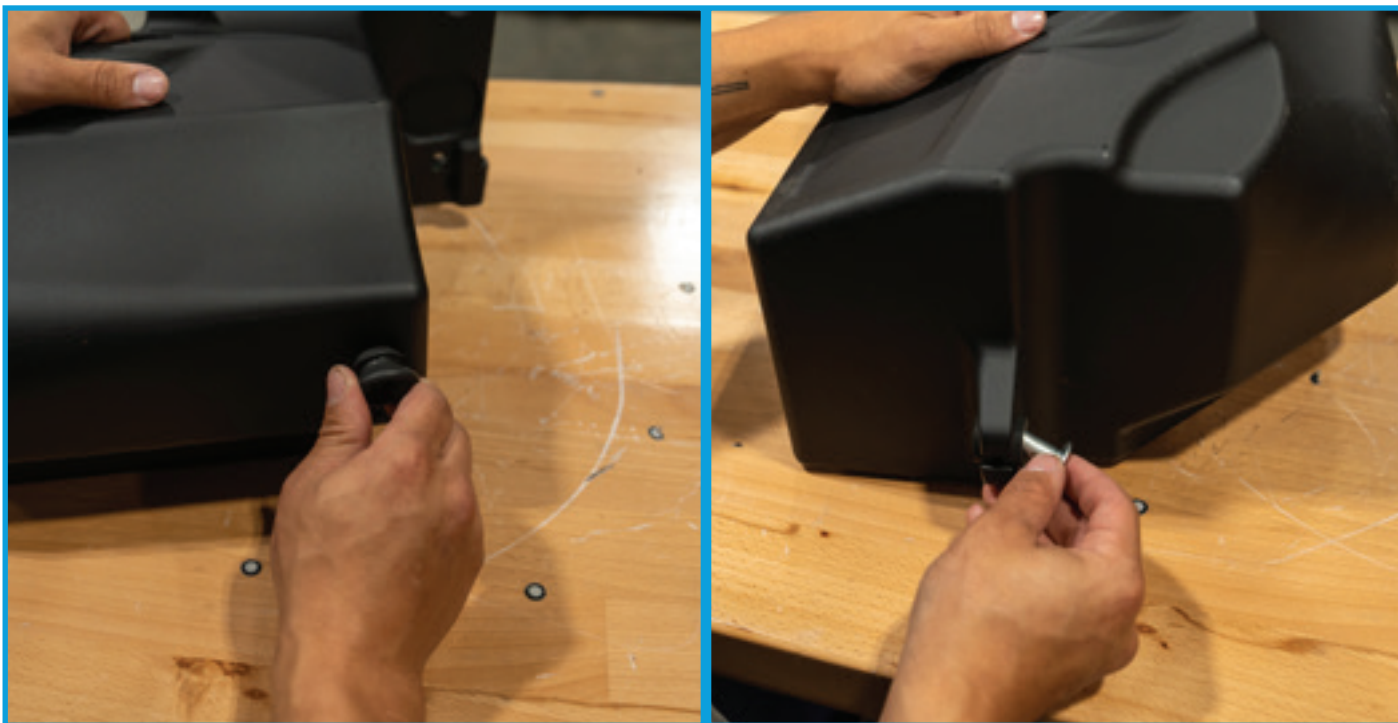
8

Install weather stripping to PRL HVI. Make sure to align the clips in the correct orientation. it will only fit correctly one way.



9

Install Rear rubber bushing and sleeve from OEM air box into rear pocket of the PRL airbox. Install rubber bushing from bottom of OEM airbox into the bottom of the PRL airbox.



10

Place the included worm clamp on to the the new filter and install onto provided PRL Maf Housing. Tighten worm gear clamp to 30 in. lbs.



11

Install the OE MAF sensor onto the MAF housing Using provided M4x6 socket head cap screws.
Torque to 20 in lbs.



12

Attach HVI MAF housing to the HVI intake airbox using provided M5 x 12 flat head cap screws and dress up washers. Torque to 30 in-lbs.



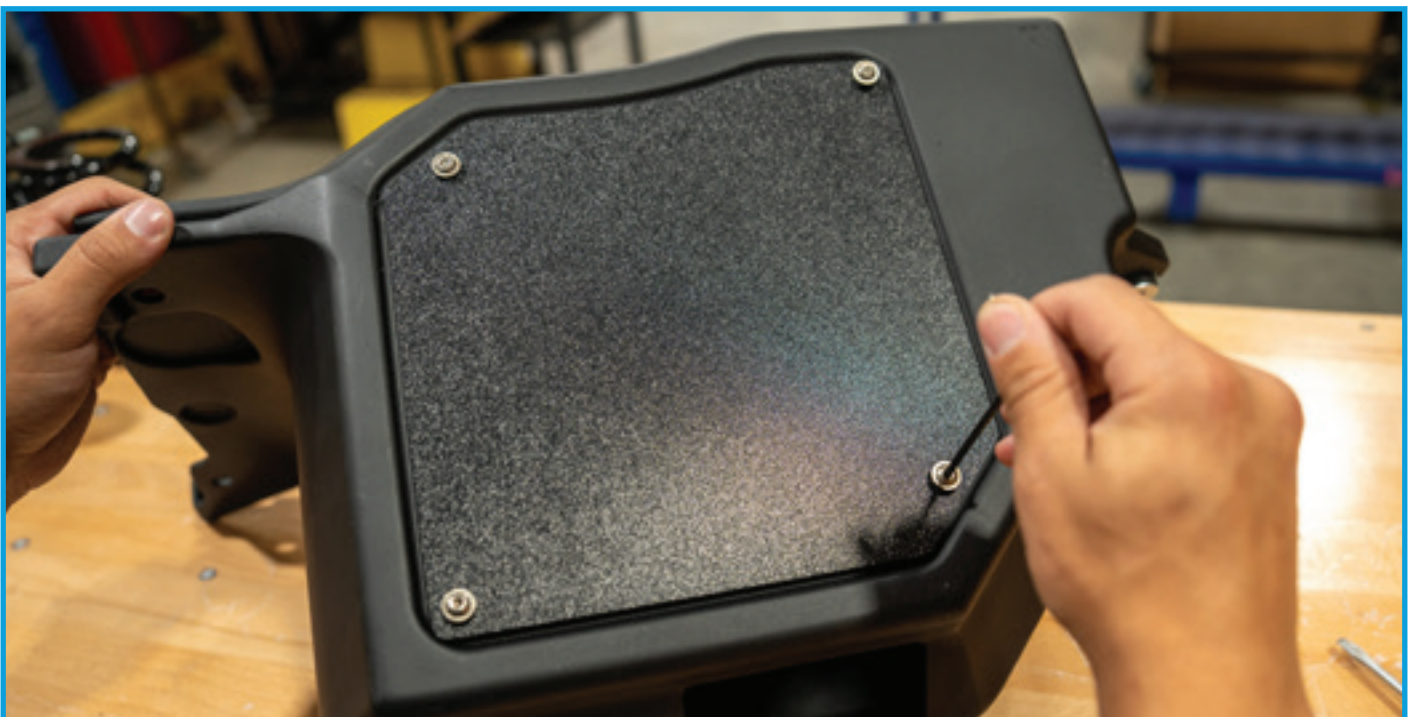
13

Once completed, your HVI unit should look something like this.



14

Install airbox side panel using the (4) included allen screws using 4 M5x10 Flanged button head cap screws. #18 tighten to 30in lbs. Set entire assembly aside for now.



15

Locate the wire harness bracket and the secondary HVI air duct. Install the bracket onto the duct with the included hardware using the remaining M5x10 flanged button head cap screws. #18. Tighten to 30 in lbs. Install the provided seal on the the duct as shown.



16

To install the secondary lower air duct, you will need to remove the ECU from the car. Do not worry, it will not cause any issues once it is re-installed correctly. Locate and remove harness from the ECU.



17

Remove the upper cap from the ECU.



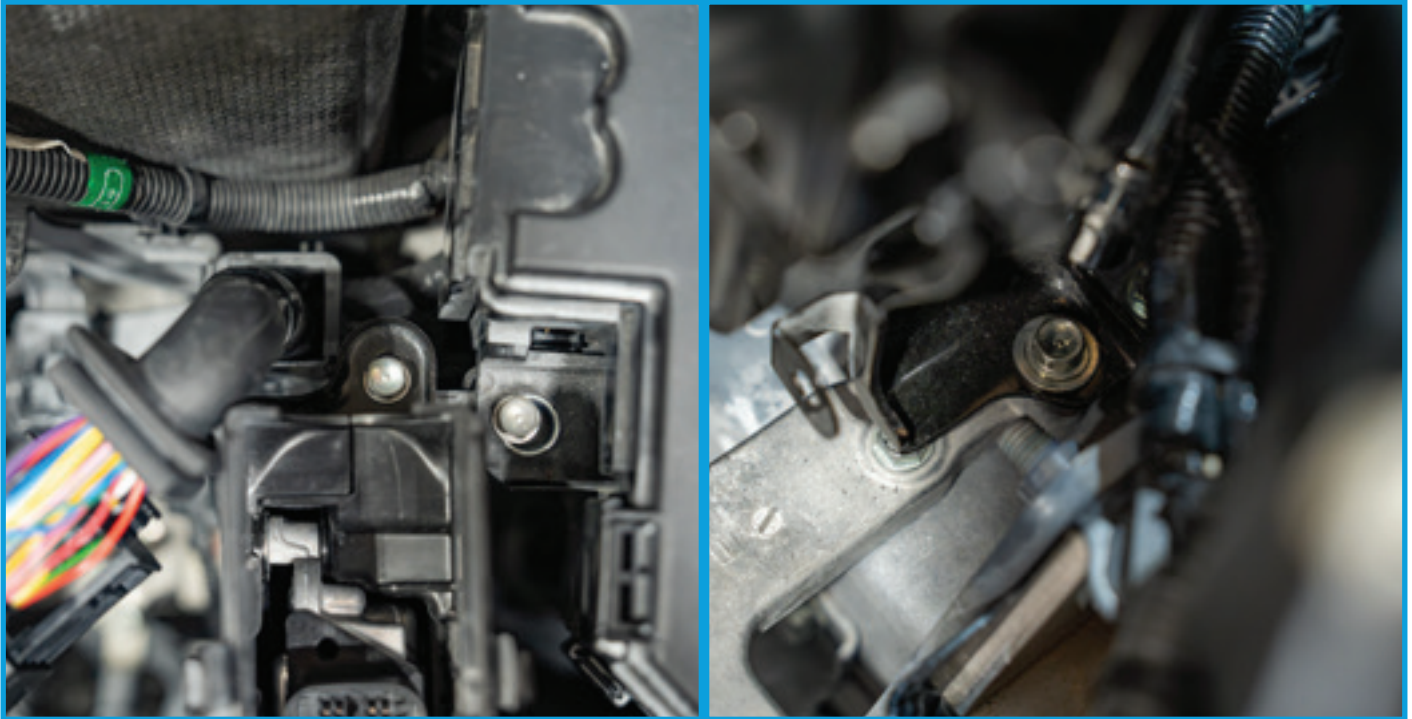
18

CAREFULLY unplug the ECU and tuck the connection out of the way.



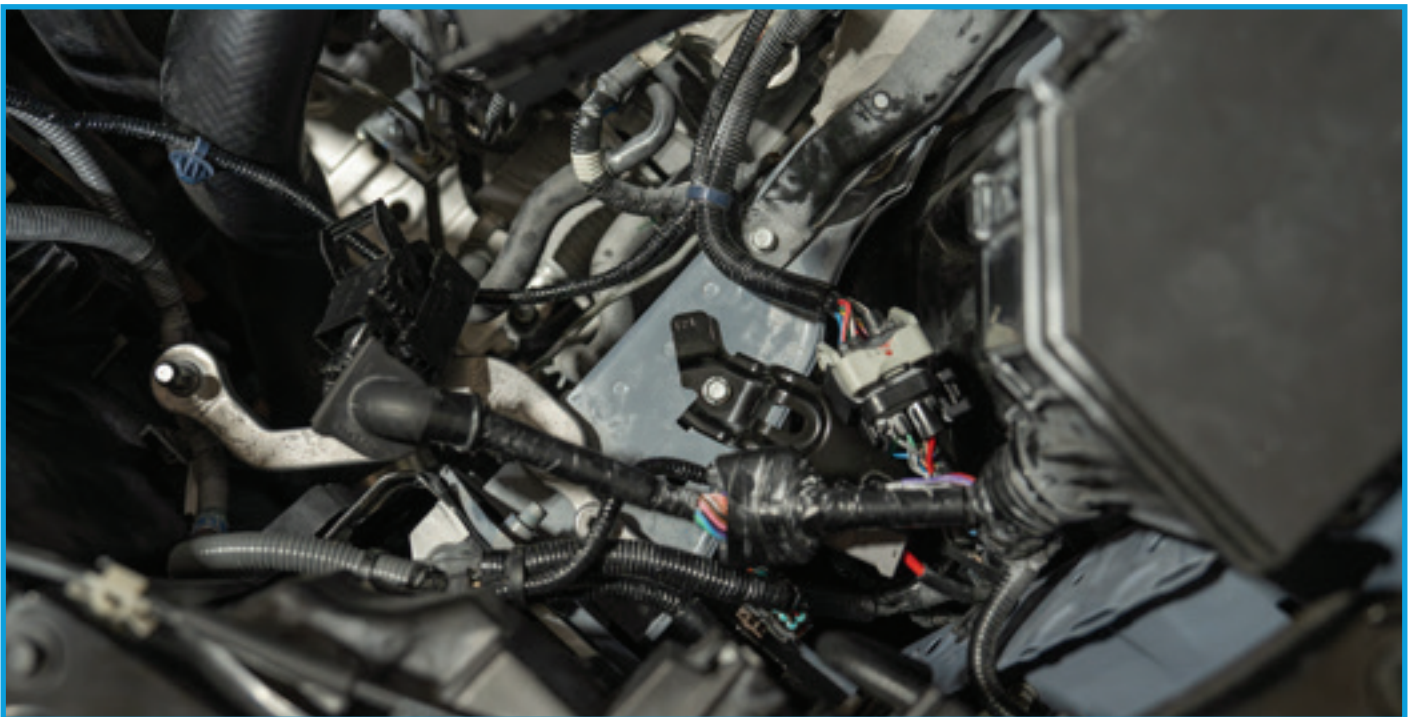
19

Loosen and remove the (3) bolts holding the ECU to its mount.



20

Pull and remove ECU from engine bay and set aside.



21

Unclip and remove wiring harness from bracket underneath the ECU



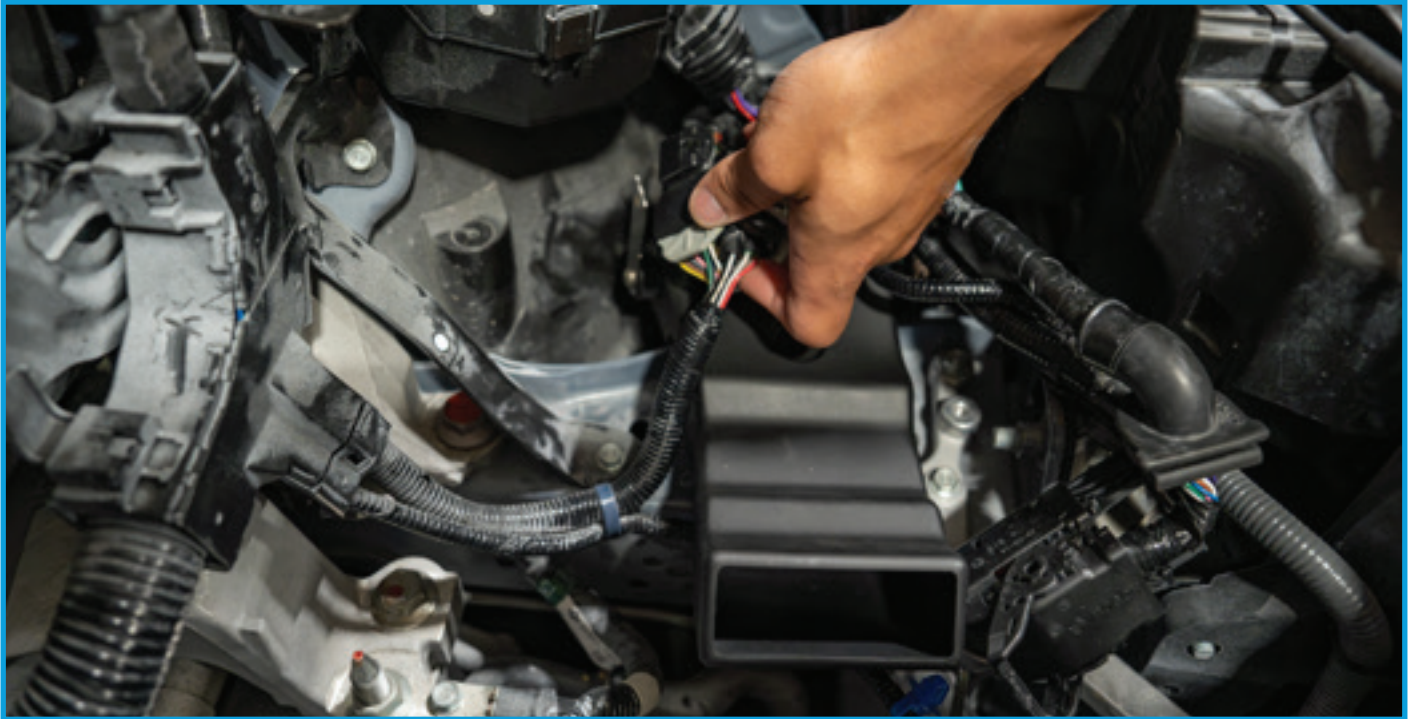
22

Unbolt and remove ECU bracket underneath of the ECU.



23

Place the PRL secondary air duct under wiring harness.



24

Attach the wiring harness to the secondary air duct bracket.



25

Bolt the secondary air duct down using the provided M6x55 bolt #12 and tighten to 120in-lbs.



26

Use zipties to secure harnesses in place



27

Reinstall the ECU in reverse order of how you removed it.



28

Attach the bottom harness to the ECU bracket using OEM clips.



29

Remove the plastic cover over the MAF sensor wiring. Cover with provided split loom to uncovered sections of the wiring harness.



30

On the oem turbo inlet pipe, install coupler labeled SIL-FL5-INT-HVI-HOSE-A #7, using one of the largest hose clamps provided in the kit. #8. Install the Valve cover breather vent into silicone using the small hose clamp provided, #10. Do not tighten hose clamps yet. Adjust to where the PRL logo is facing upwards.



31

Place the other silicone coupler labeled SIL-FL5-INT-HVI-HOSE-B and (2) worm clamps on the MAF housing that you connected to the airbox. The hose clamp on the MAF Housing side will be the larger of the remaining hose clamps. Place one of the smaller hose clamps #9 on each open end of the 2 silicone connectors.



32

Fit the OE plastic connection between the two silicone couplers and slide into place.



33

Place the airbox over the HVI duct and seal already installed in the chassis and press down lower rubber grommet over airbox mounting stud. Now install the OE plastic purge jet housing between both silicone couplers. This will take some patience as getting it in between can be challenging. This is why it is important to leave hose clamps loose in step 30.



34

Route the wiring for the MAF sensor underneath the air box and plug it into the MAF Housing.



35

Adjust silicone coupler fitment until orientation seems correct and install the upper HVI mounting bolts (M5 flat heads and dress up washers #14) into factory mounting holes and torque to 100 in-lbs.



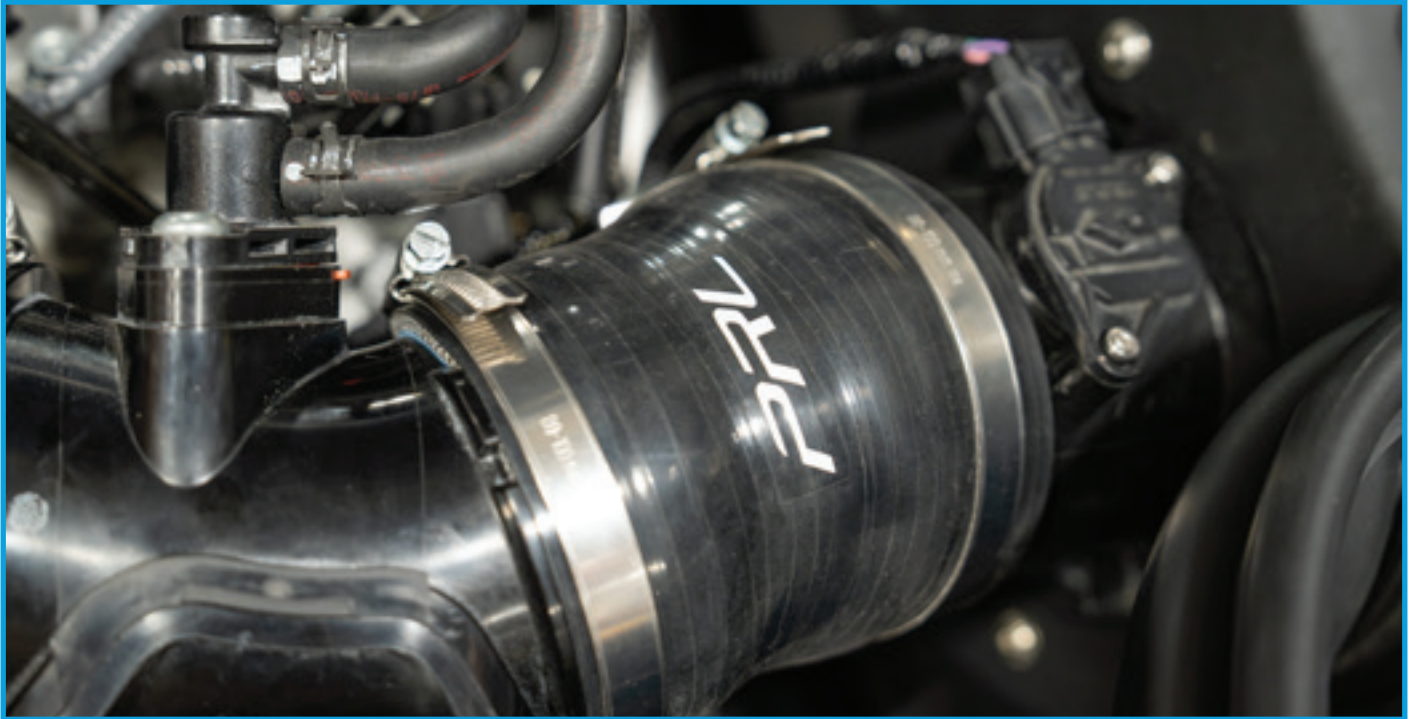
36

Install Rear Mounting bolt behind air box and tighten to 120 in. Lbs.



37

Adjust silicone one last time and tighten all hose clamp connections to 44 in. lbs.



38

Admire your hard work!

S***....it won't start....we didn't reconnect the battery :(After re-connecting the battery, it may require 1-2 drive cycles to clear any lights on the dash board.



Road Testing Your PRL High Volume Intake

1. Start the vehicle with the transmission in neutral and the emergency brake engaged. Assess to make sure of any possible issue(s) and then make any subsequent adjustments as they are needed.
2. Test drive the vehicle to ensure everything is in working order.
3. If after the road testing, everything is good to go, enjoy your PRL High Volume Intake!
Thank you for being a part of the #PRLARMY.

If you have any questions/concerns please reach out to us at:

support@PRLMotorsports.com

Please provide a full description of your issue, ideally with any pertinent images or video clips that can help our team address the issue.

Please note: All support tickets are addressed during business hours and in order of received.

As stated at the beginning of this guide, the PRL High Volume Intake has been specifically designed to be 100% compatible with the factory ECU calibration. No tuning is required to benefit from the advertised gains and performance.

Required Maintenance

PRL Motorsports thoroughly recommends visually inspecting the air filter screen inside the HVI at every oil change. It is required to clean the air filter element whenever the screen is no longer visible or at a 30,000 mile interval. When used in a higher dust/arid climate or varied terrain environments, the air filter will require cleaning more often. To clean and re-oil, our #2801 Filter Cleaning & Recharge kits can be purchased direct on our website, or via an authorized PRL Motorsports dealer.

Filter Recharging Guide:

1. Pre-Cleaning: Tap the filter or use canned air/compressor to remove any excess debris from the filter. Be careful to not damage the filter.
2. Apply Cleaner: Spray the filter with the special cleaning solution provided in the kit and allow the solution to soak in for at least 15 minutes.
3. Rinsing: Rinse the filter with warm water, clean side to dirty side to flush the dirt and debris outwards from the filter.
 4. Drying: Allow the filter to dry naturally. Try to avoid heat to prohibit any shrinkage that could occur in the cotton present in the filter.
5. Oil Application: Re-oil the filter using the filter oil that is supplied in the kit.

It is recommended to use a single spray per 2" of filter media. Do not over oil.



1400 RANDALL COURT - UNIT 104
EXPORT, PENNSYLVANIA 15632
www.PRLMotorsports.com

Follow Us!
PRLMotorsports

