



BMW F3x/F8x N55

Luft-Technik Intake System

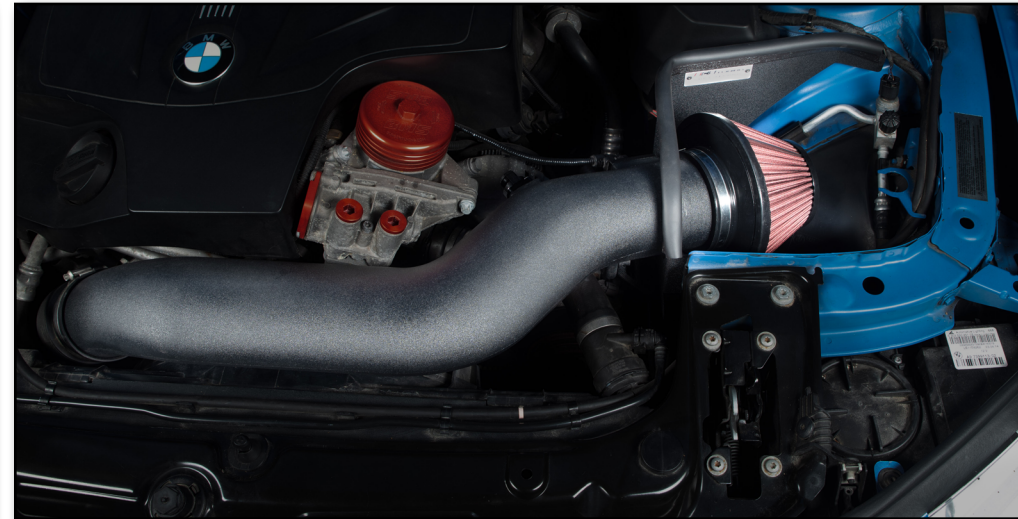
Installation Instructions - [Click HERE to Shop](#)



Skill Level 1

- Easy -

Basic Skills  
Required



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

## INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

## GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.

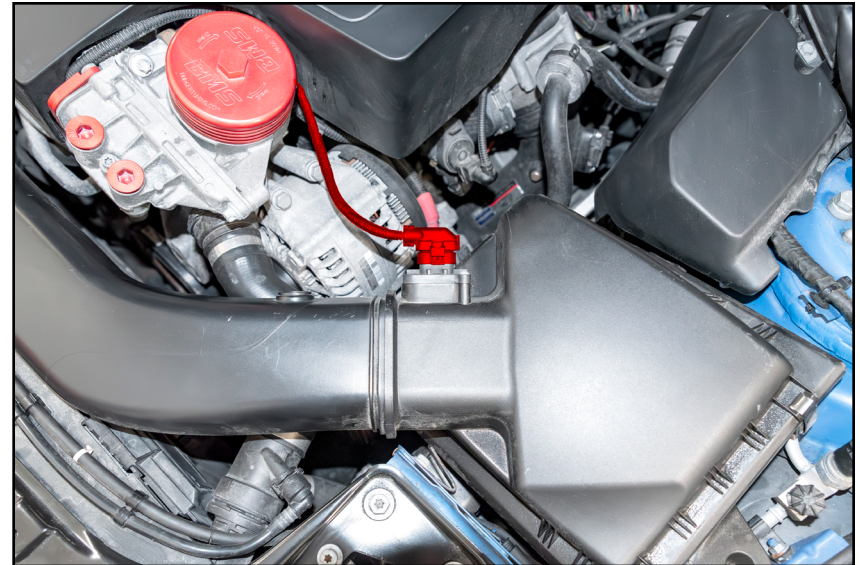


**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

## REMOVING THE STOCK INTAKE

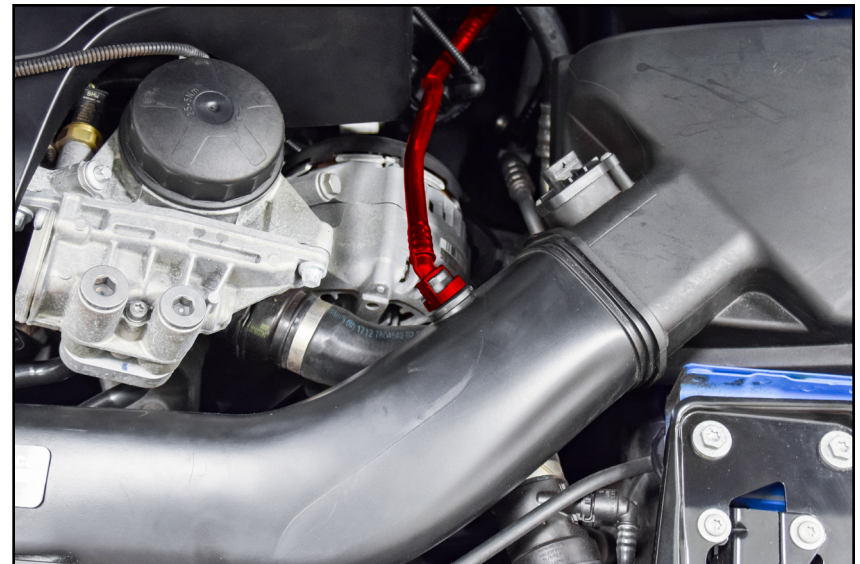
### Step 1:

Depress the locking tab and disconnect the MAF sensor connector (highlighted in **RED**)



### Step 2:

If equipped, remove the vent line (highlighted in **RED**) by pinching the two sides inward and then pulling it off of the flange on the intake pipe.



## REMOVING THE STOCK INTAKE

**Step 3:** 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Loosen the clamp (arrow) which secures the intake pipe to the turbo inlet coupler.



**Step 4:**

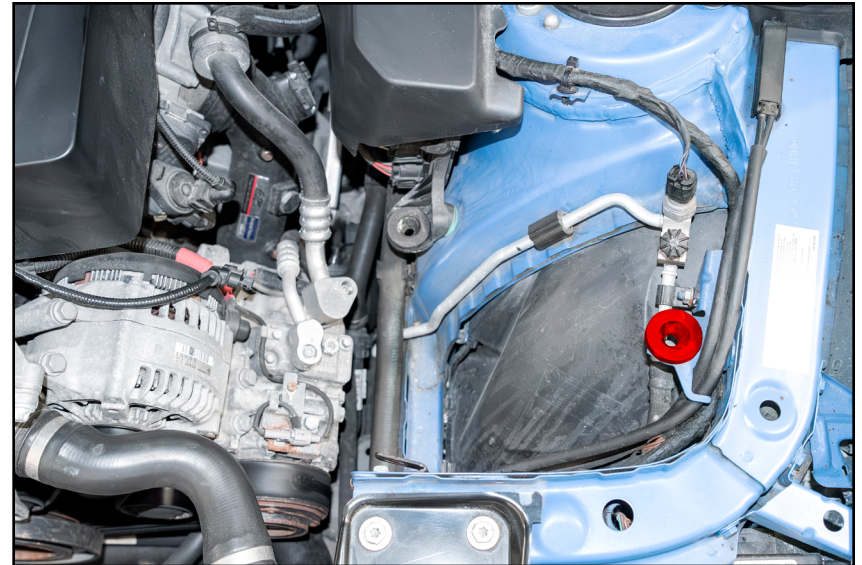
Lift up to pop the intake pipe and air box free from their mounting grommets, then pull the intake free from the vehicle.



## REMOVING THE STOCK INTAKE

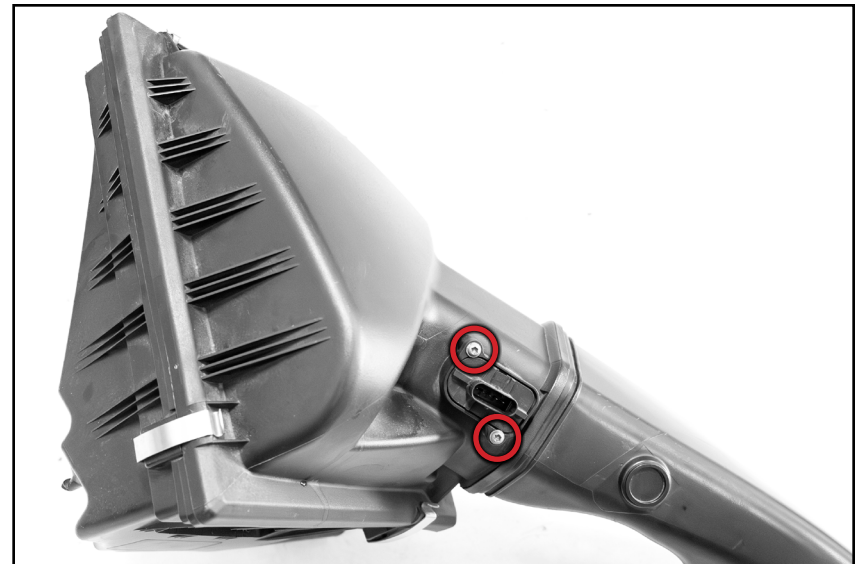
### Step 5:

Remove the upper stock airbox grommet (highlighted in **RED**).



### Step 6: T15 Torx Socket & Ratchet

Remove the two screws (circled in **RED**) and pull the MAF sensor free from the stock airbox.



## INSTALLING THE NEW INTAKE SYSTEM

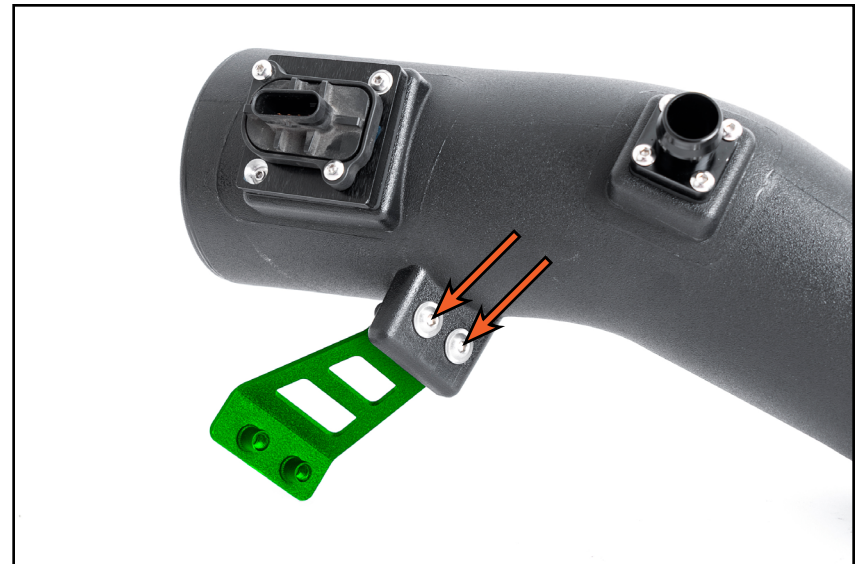
### Step 1: 2.5mm Hex (Allen) Socket & Ratchet

Transfer the MAF sensor to the new intake pipe and secure it in place with the provided M4 screws (circled in **YELLOW**).



### Step 2: 4mm Hex (Allen) Socket & Ratchet

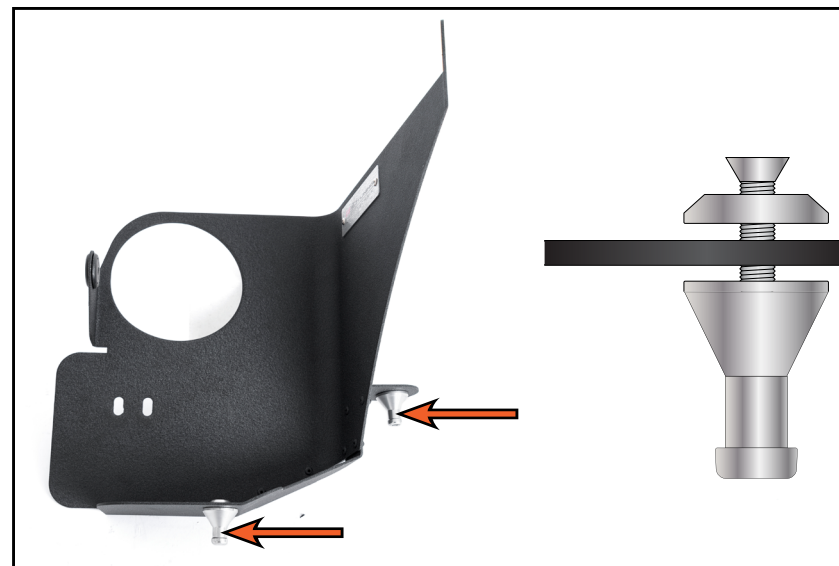
Install the provided mounting bracket (highlighted in **GREEN**) onto the intake pipe using the provided M6 x 25mm screws (arrows).



## INSTALLING THE NEW INTAKE SYSTEM

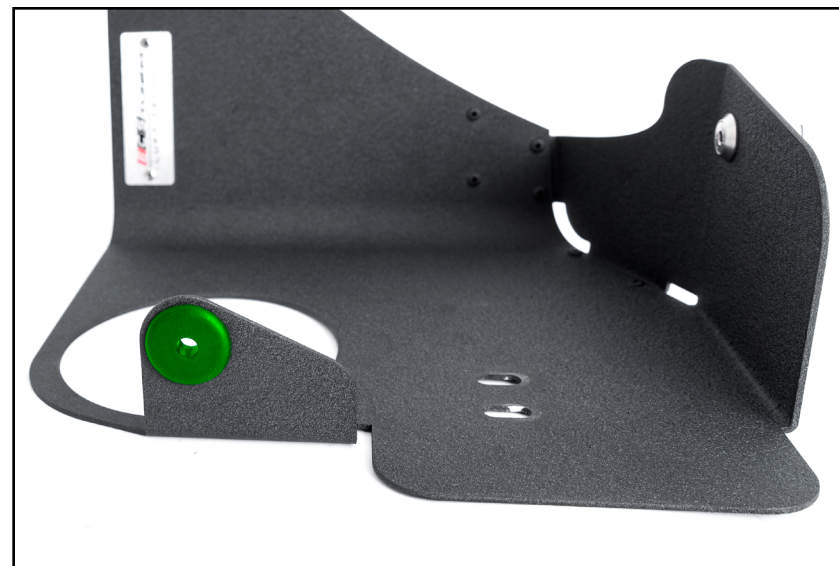
### Step 3: 4mm Hex (Allen) Socket & Ratchet

Install the two standoffs (arrows) onto the heat shield and secure them with the provided countersunk washers and M6 screws as shown.



### Step 4:

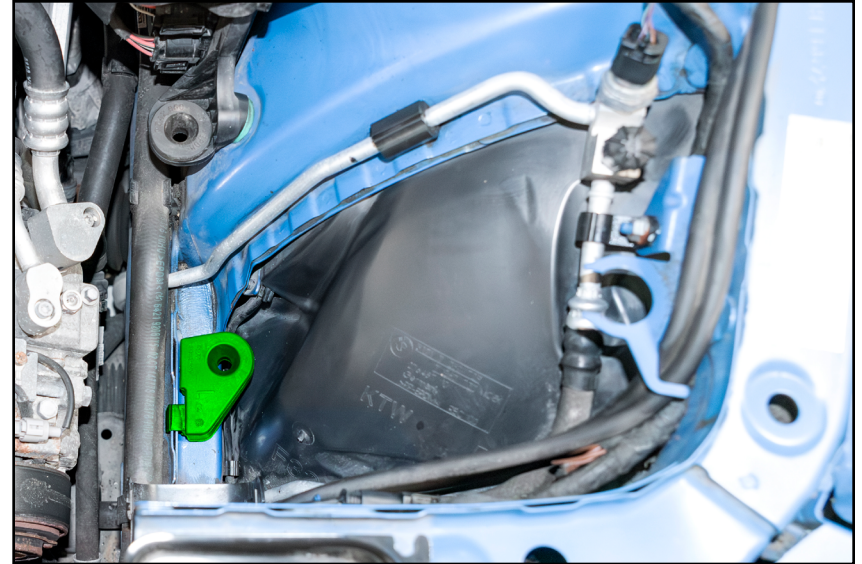
Install the grommet (highlighted in **GREEN**) into the hole in the heat shield as shown.



## INSTALLING THE NEW INTAKE SYSTEM

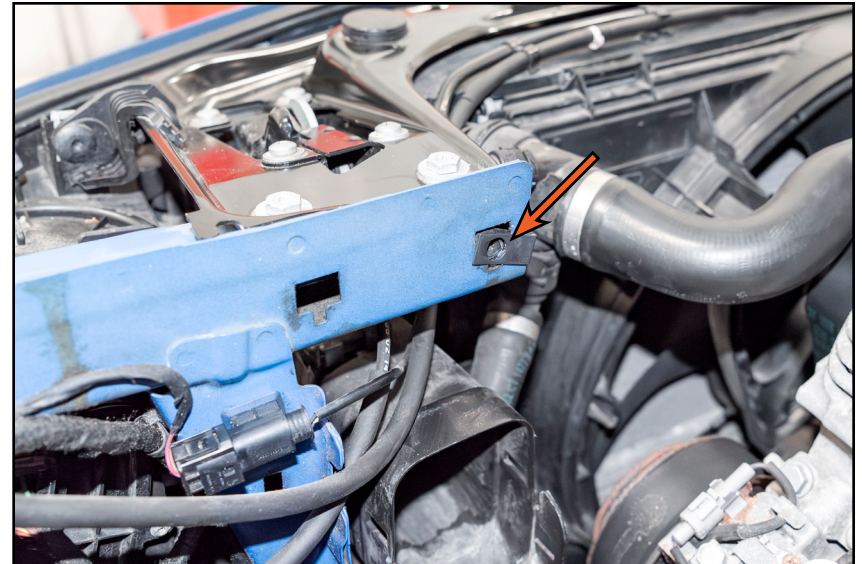
### Step 5:

Install the provided bottom support (highlighted in **GREEN**) onto the frame rail as shown.



### Step 6:

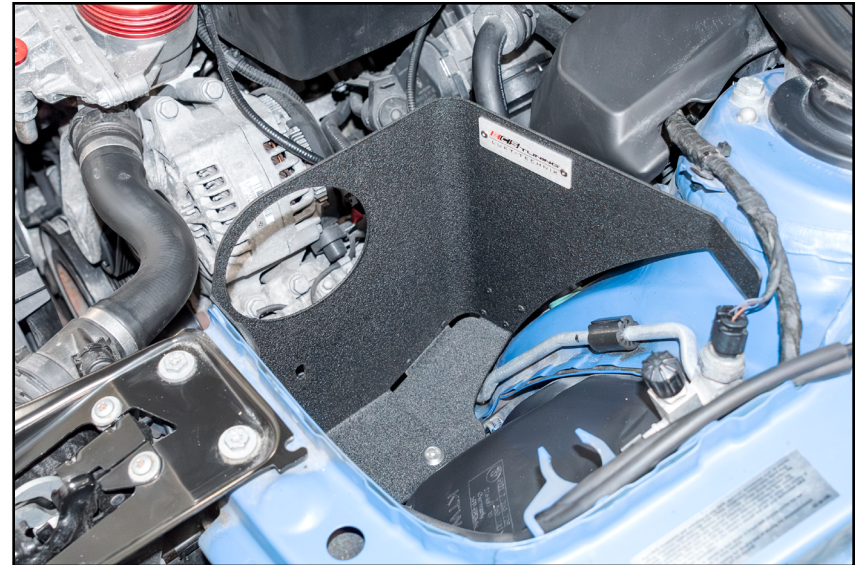
Install the clip nut (arrow) over the small opening in the body just behind the LH hood latch as shown.



## INSTALLING THE NEW INTAKE SYSTEM

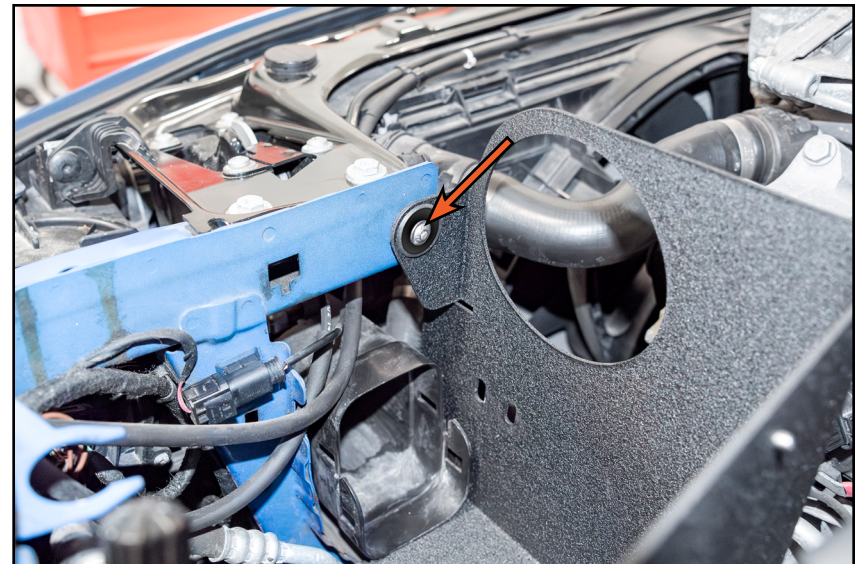
### Step 7:

Install the heat shield by lining up the standoffs with the mounting grommets, then pushing them down to pop them into place.



### Step 8: 4mm Hex (Allen) Socket & Ratchet

Install the provided M6 x 20mm screw and nylon washer (arrow) through the heat shield grommet and tighten it until snug.



## INSTALLING THE NEW INTAKE SYSTEM

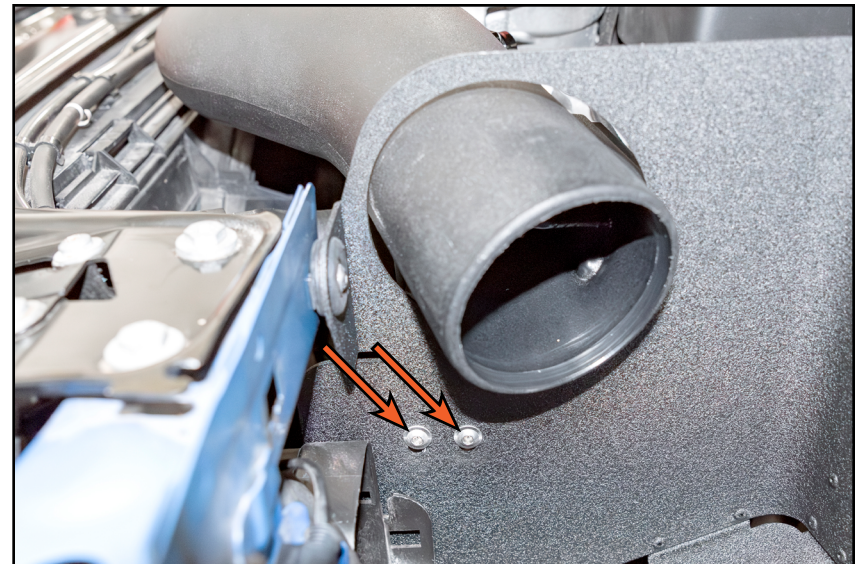
### Step 9:

Slide the intake pipe into the turbo inlet coupler but leave the clamp loose for now.



### Step 10: 4mm Hex (Allen) Socket & Ratchet

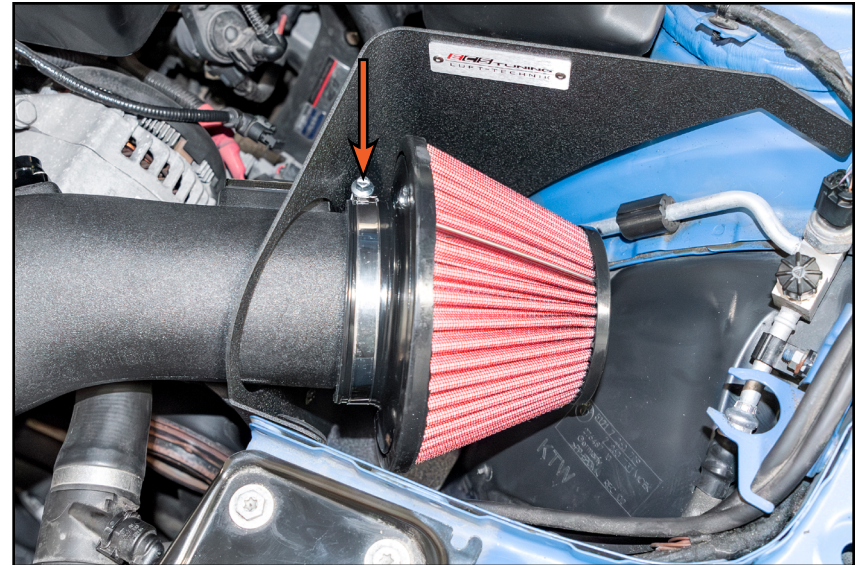
Install the two M6 x 15mm screws (arrows) to secure the intake pipe to the heat shield. Go back and tighten the intake pipe clamp until snug.



## INSTALLING THE NEW INTAKE SYSTEM

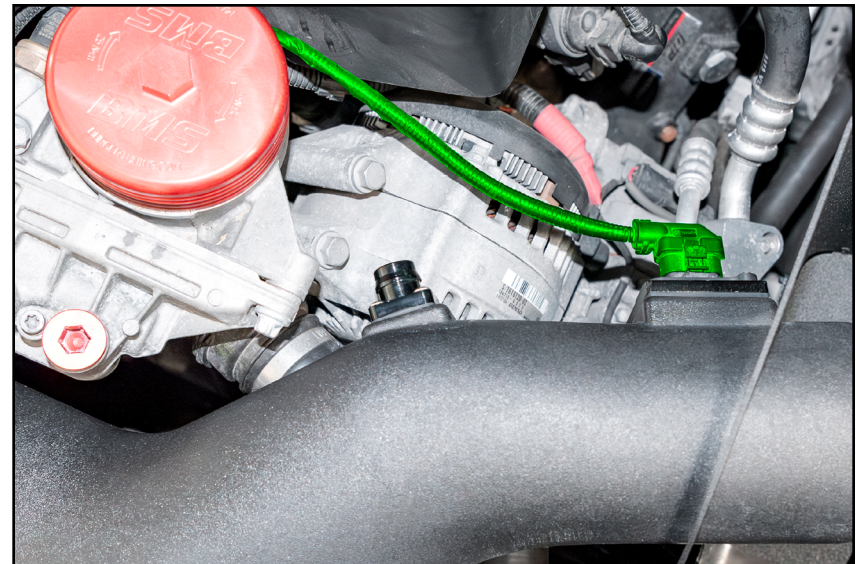
**Step 11:** 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Slide the air filter onto the end of the intake pipe and tighten the clamp (arrow) until snug.



**Step 12:**

Reconnect the MAF sensor connector (highlighted in **GREEN**).



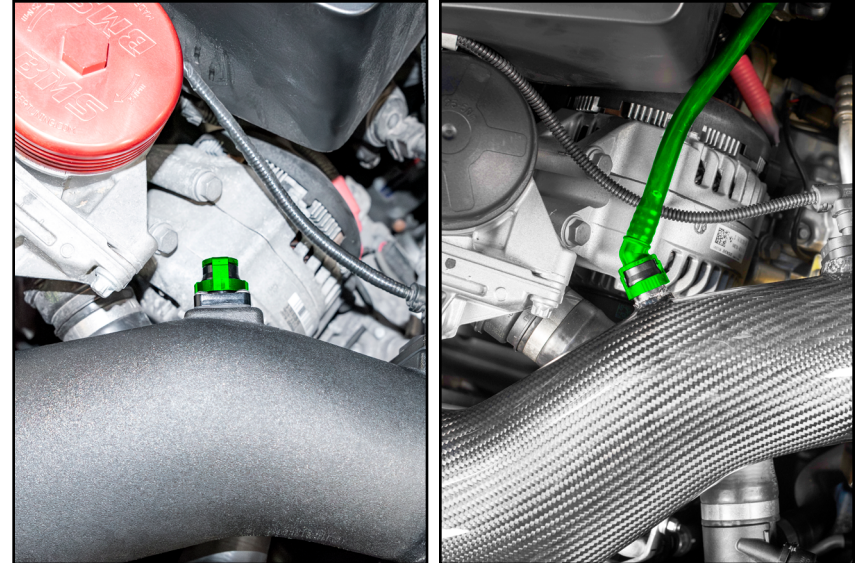
## INSTALLING THE NEW INTAKE SYSTEM

### Step 13:

Connect the vent line (highlighted in **GREEN** in the photo on the right) to the flange on the intake pipe.



If your vehicle does not come equipped with this vent line, install the provided cap (highlighted in **GREEN** in the photo on the left) into the flange in its place.



### Step 14:

Apply the provided bulb seal (highlighted in **GREEN**) to the top of the heat shield to help seal the intake to the hood, making it more air-tight. Trim off any excess bulb seal for a clean appearance.

***Congratulations, your installation is complete!***



**Your Luft Technik Intake System installation is complete!**



**These instructions are provided as a courtesy by ECS Tuning**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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