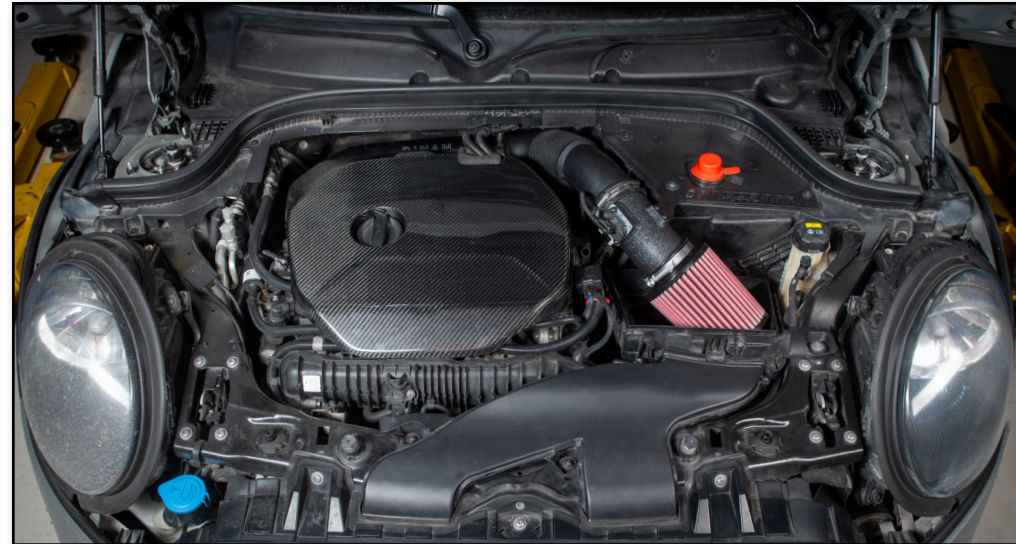




Mini F5X B38/B48 Luft-Technik Intake System Installation Instructions - [Click HERE to Shop](#)



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 SYSTEM

Step 1:

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



Step 2: 7mm Socket & Ratchet

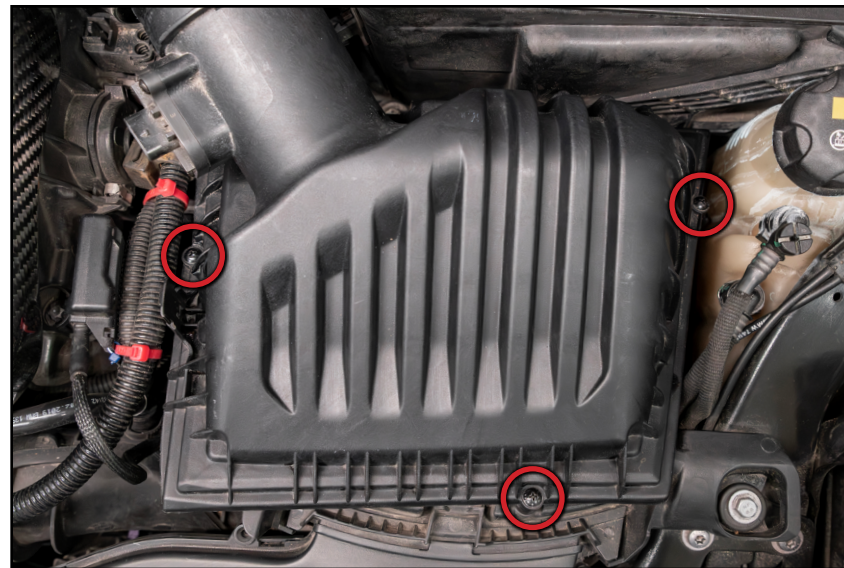
Loosen the clamp (arrow) and pull the intake hose off of the airbox lid.



REMOVING THE STOCK INTAKE SYSTEM

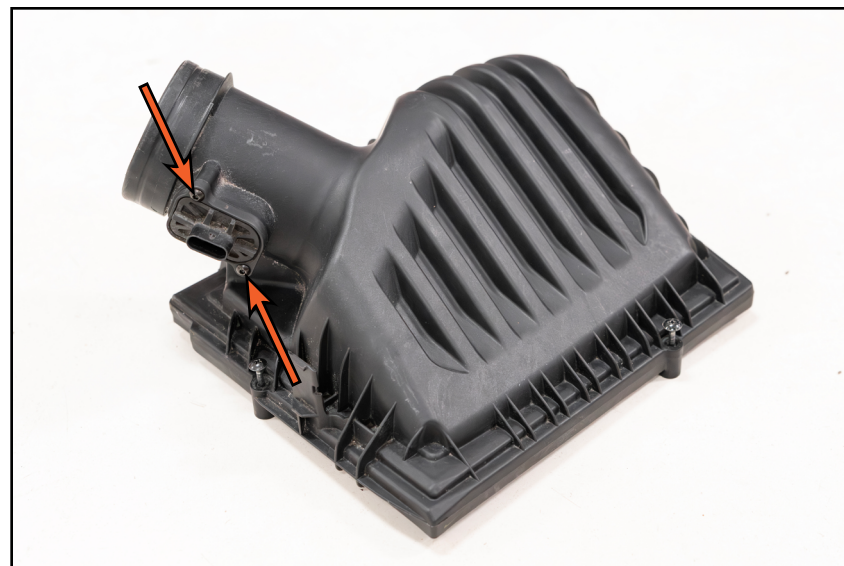
Step 3: T25 Torx Socket & Ratchet

Loosen the three screws (circled in **RED**), then remove the airbox lid and air filter.



Step 4: T20 Torx Socket & Ratchet

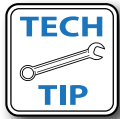
Remove the two screws (arrows) and remove the MAF sensor from the airbox lid.



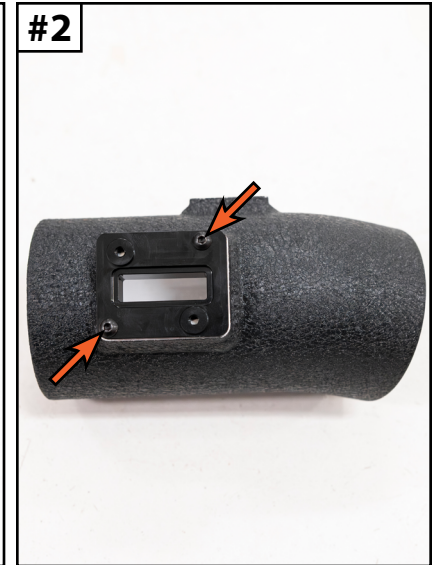
INSTALLING THE NEW INTAKE SYSTEM

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

LCI vehicles only: Install the provided O-ring (highlighted in **GREEN** in **Photo #1**) into the groove in the MAF adapter flange and install it into the intake pipe, securing it in place the provided M4 x 10mm screws (arrows in **Photo #2**).

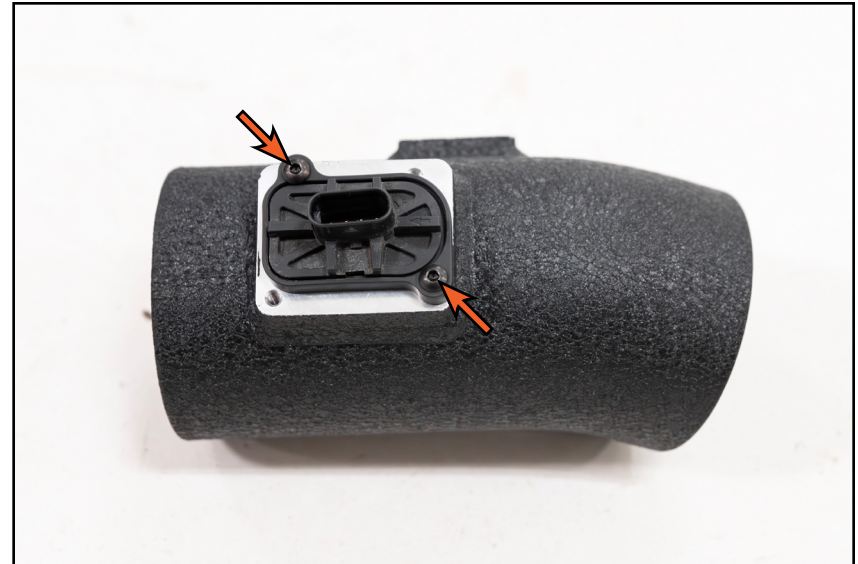


Apply a small amount of grease to the O-ring to aid in installation and prevent damage.



Step 2:

Install the MAF sensor into the intake pipe (or adapter flange) and secure it in place with the provided M4 x 8mm screws (arrows).



INSTALLING THE NEW INTAKE SYSTEM

Step 3:

Slide the new intake pipe into the factory intake hose, leaving the clamp loose enough to allow for adjustment.

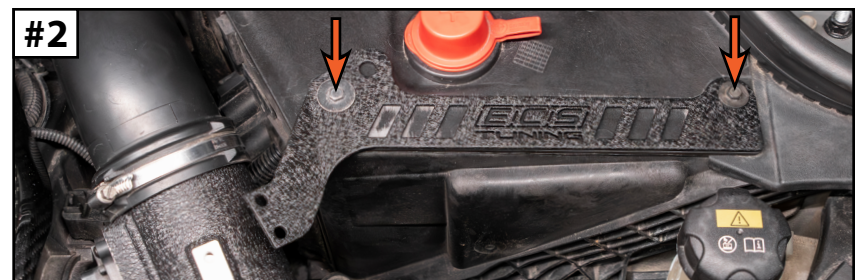


Step 4: 8mm Socket & Ratchet

Remove the two screws (arrows) from the battery cover, then install the intake mounting bracket as shown before reinstalling the screws.



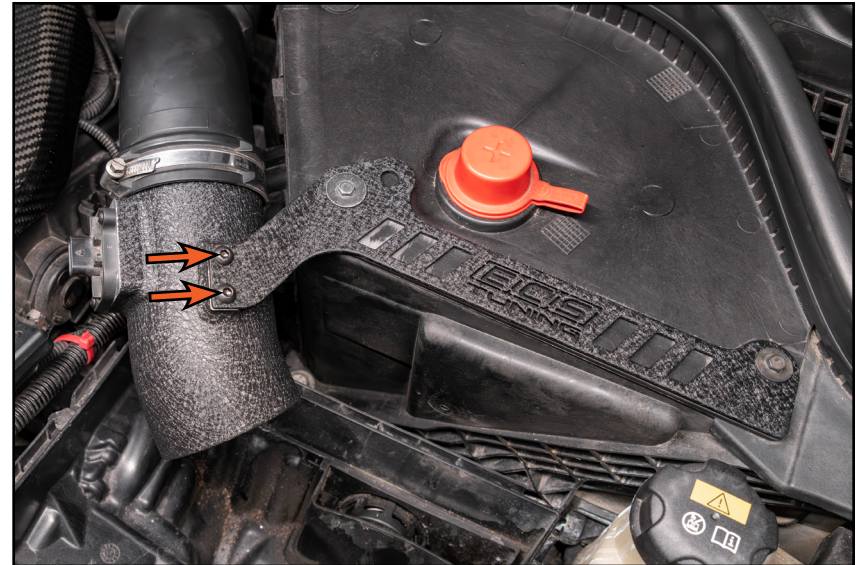
If these screws cannot be fully tightened, the plastic clip nuts may be worn. Replacement plastic clip nuts are available for purchase [HERE](#).



INSTALLING THE NEW INTAKE SYSTEM

Step 5: 7mm, 4mm Hex (Allen) Socket & Ratchet

Install the two M6 x 10mm screws (arrows) to secure the intake pipe to the mounting bracket, then go back and tighten the clamp until snug.

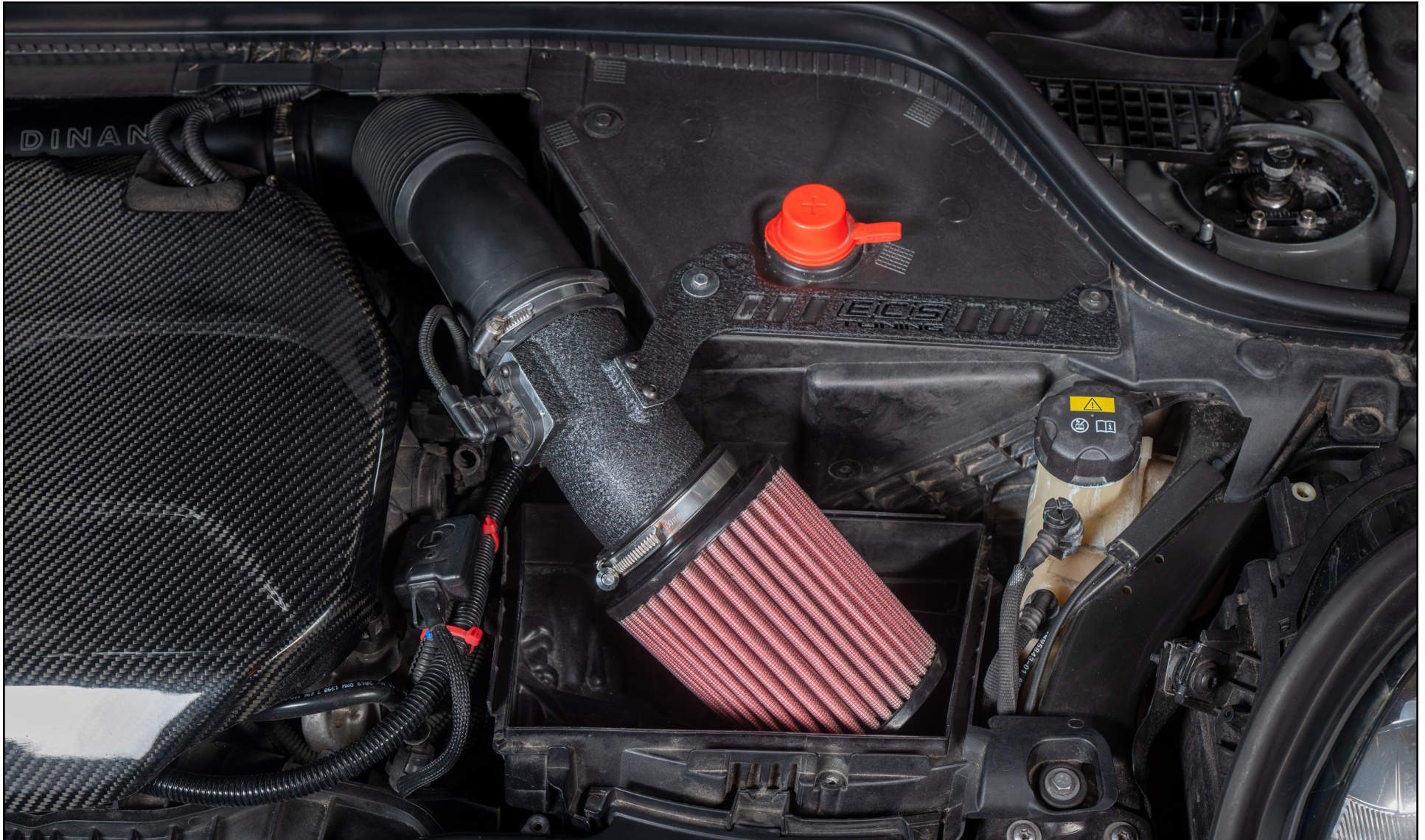


Step 6: 8mm Socket & Ratchet

Slide the new air filter onto the end of the intake pipe and tighten the clamp (arrow in **Photo #1**) until snug. Reconnect the MAF sensor connector (highlighted in **GREEN** in **Photo #2**) and reengage the locking tab..



Your Intake System installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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