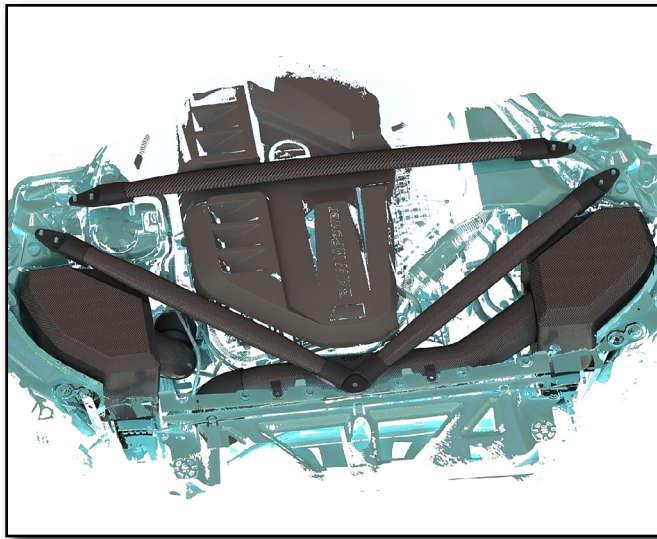
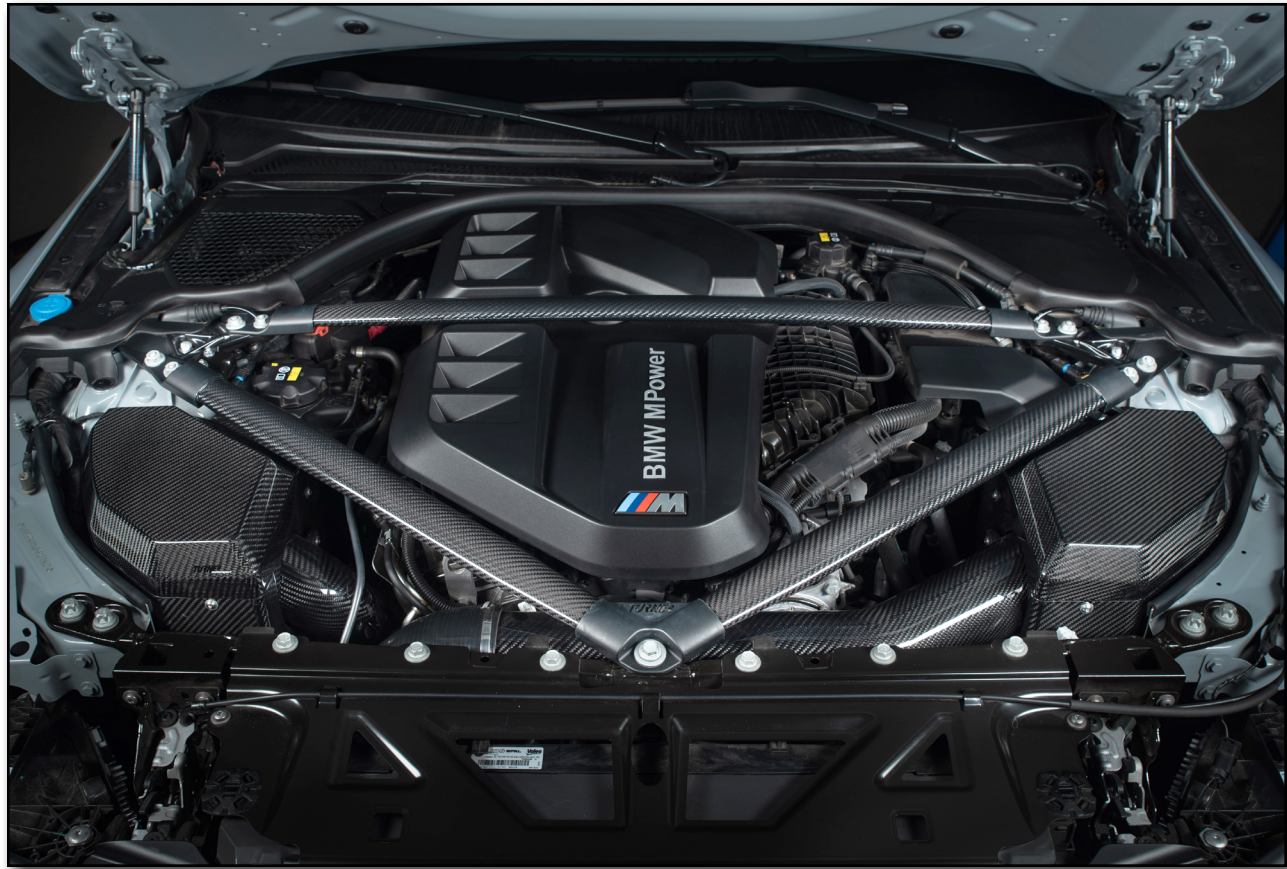




BMW G8x S58 Carbon Fiber Intake System Installation Guide



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

Turner Motorsport 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.

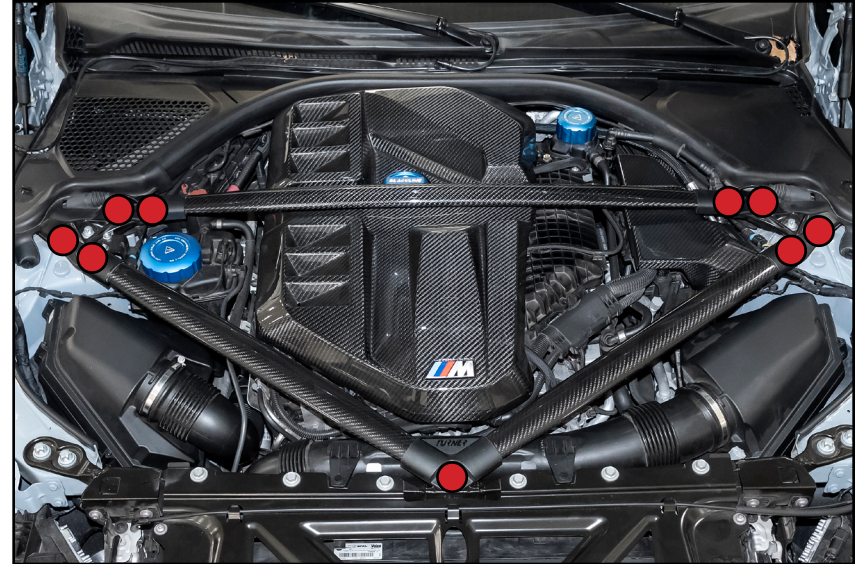


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK INTAKE SYSTEM

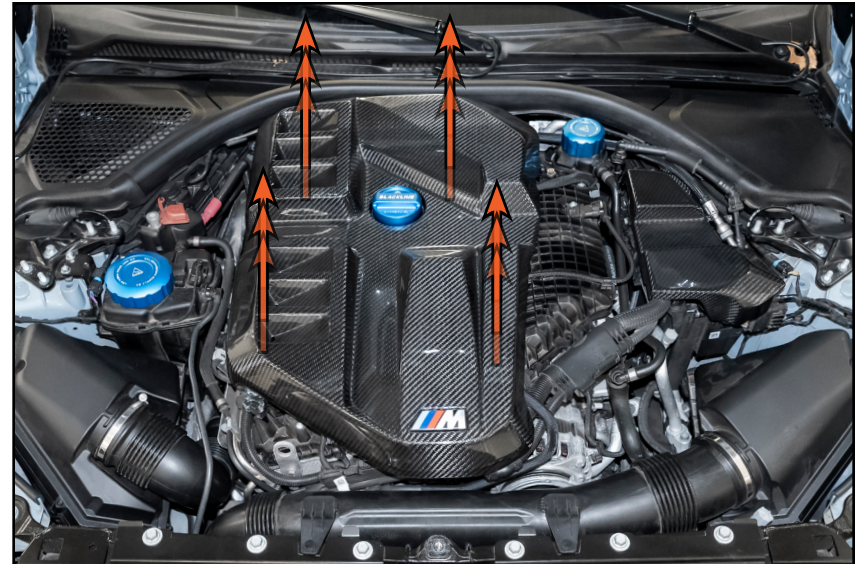
Step 1: 13mm Socket, 15mm Socket & Ratchet

Remove the nuts and bolt (circled in **RED**) then remove the strut tower braces.



Step 2:

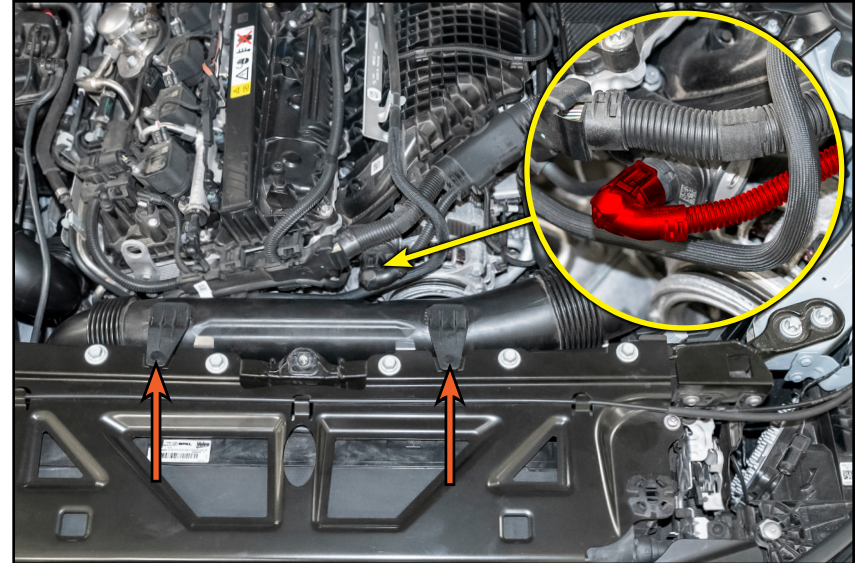
Lift up on the engine cover to pop it free from its mounting grommets.



REMOVING THE STOCK INTAKE SYSTEM

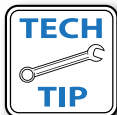
Step 3: Trim Removal Tool

Pry the two plastic push rivets (arrows) free from the LH intake pipe. Depress the locking tabs and remove the connector (highlighted in **RED**) from above the intake pipe.

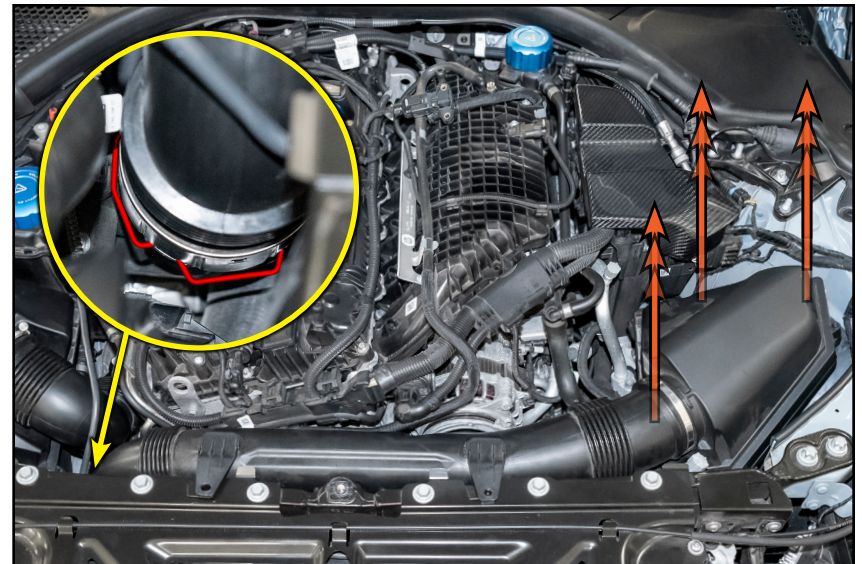


Step 4: Angled Pick

Pull the metal clip (highlighted in **RED**) free from the flange on the LH (driver's side) intake pipe, then pull upward to disconnect the coupler. Pull upward on the airbox to pop it free from the mounting grommets and remove it from the vehicle.



To free the metal clip from the flange, first pry the two ends of the spring clip out of their notches, then pull the spring clip out until it clicks into the "unlocked" position.



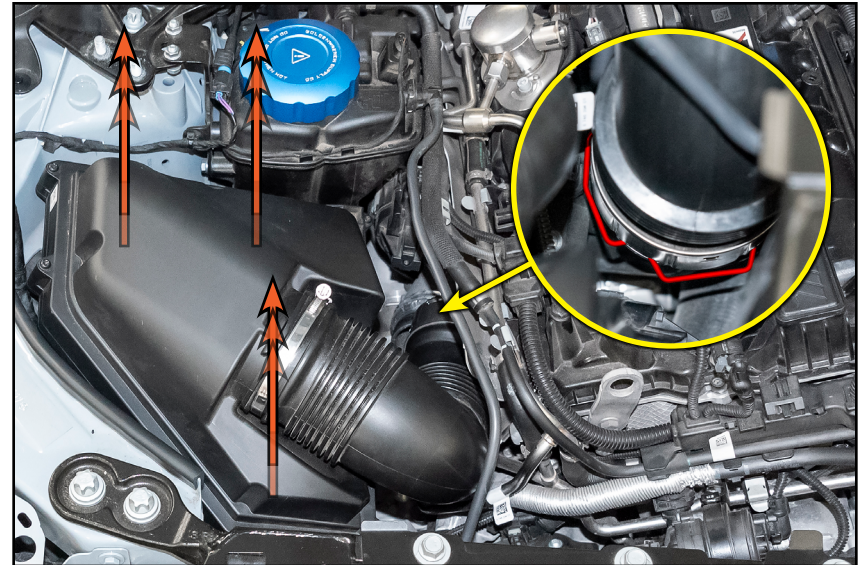
REMOVING THE STOCK INTAKE SYSTEM

Step 5: Angled Pick

Pull the metal clip (highlighted in **RED**) free from the flange on the RH (passenger side) intake pipe, then pull forward to disconnect the coupler. Pull upward on the airbox to pop it free from the mounting grommets and remove it from the vehicle.

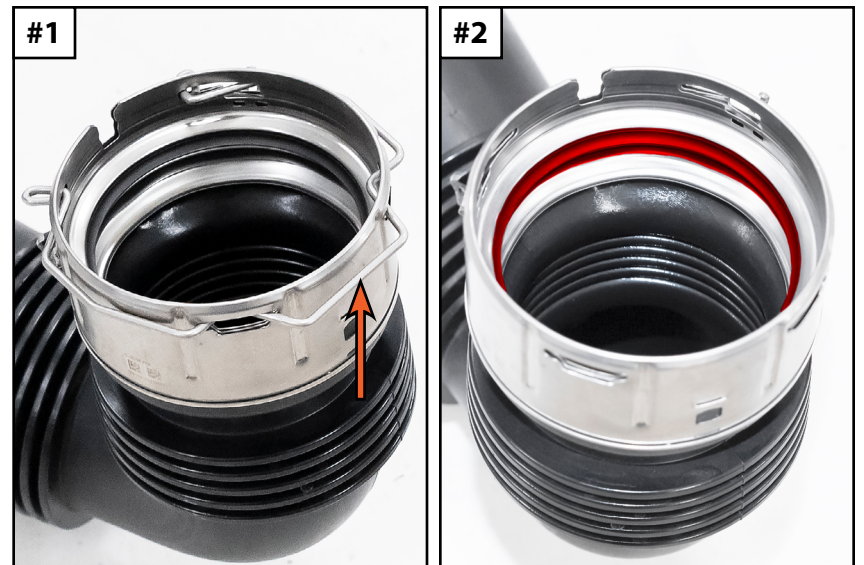


To free the metal clip from the flange, first pry the two ends of the spring clip out of their notches, then pull the spring clip out until it clicks into the "unlocked" position.



Step 6: Angled Pick

Pull the clip (arrow in **Photo #1**) and the O-ring (highlighted in **RED** in **Photo #2**) free from each intake pipe flange.



INSTALLING THE NEW INTAKE SYSTEM

Step 1:

Transfer the metal clips and o-rings into the new turbo inlet adapters as shown.



Step 2: 7mm Socket & Ratchet

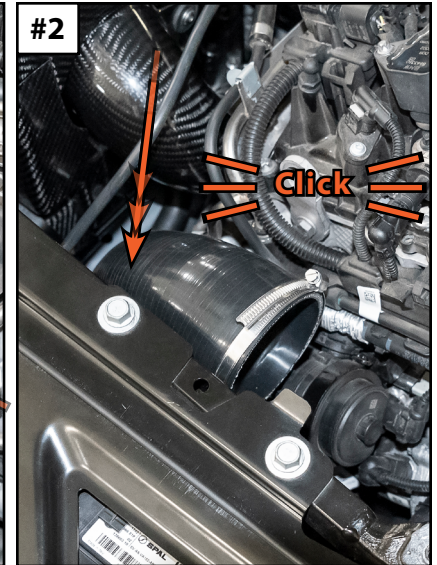
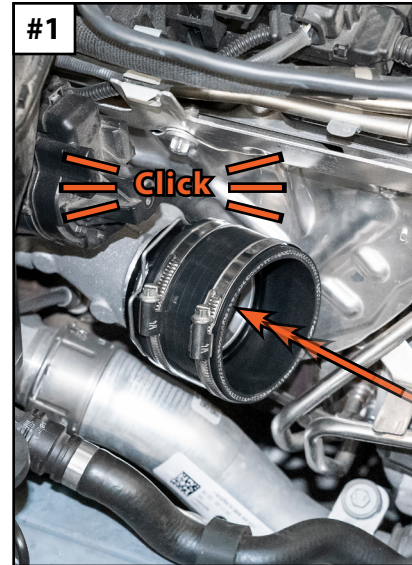
Slide the RH silicone coupler onto the smaller adapter and tighten the clamp (arrow) to secure it in place. Repeat for the LH coupler (not shown).



INSTALLING THE NEW INTAKE SYSTEM

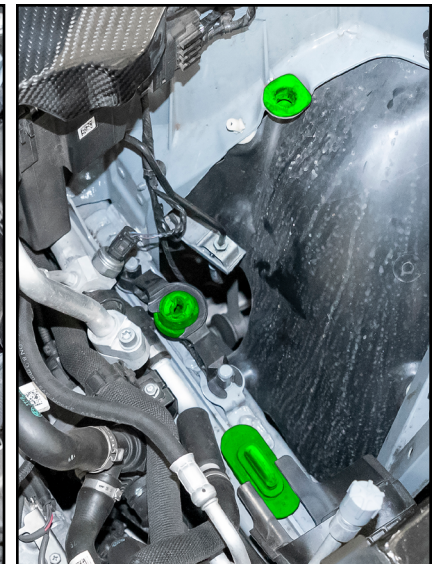
Step 3:

Install the RH adapter onto the turbo housing and push in until the clip snaps into place (**photo #1**). Install the LH adapter onto the turbo housing and push downward until the clip snaps into place (**photo #2**).



Step 4:

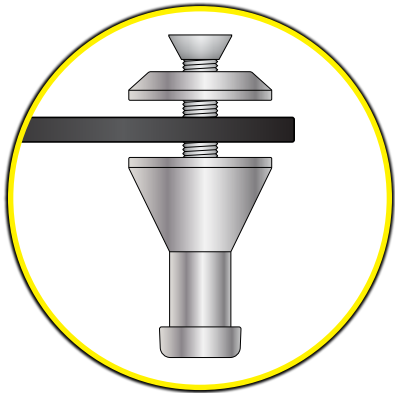
Ensure the airbox mounting grommets (highlighted in **GREEN**) for both airboxes are in their proper installed positions.



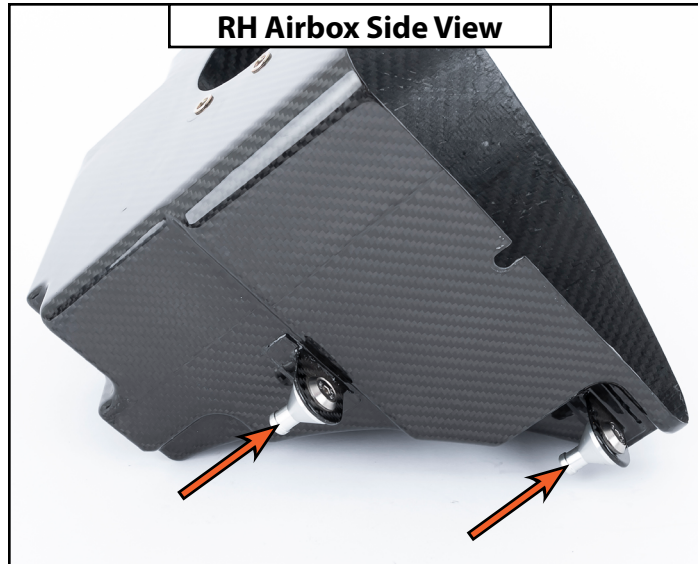
INSTALLING THE NEW INTAKE SYSTEM

Step 5:

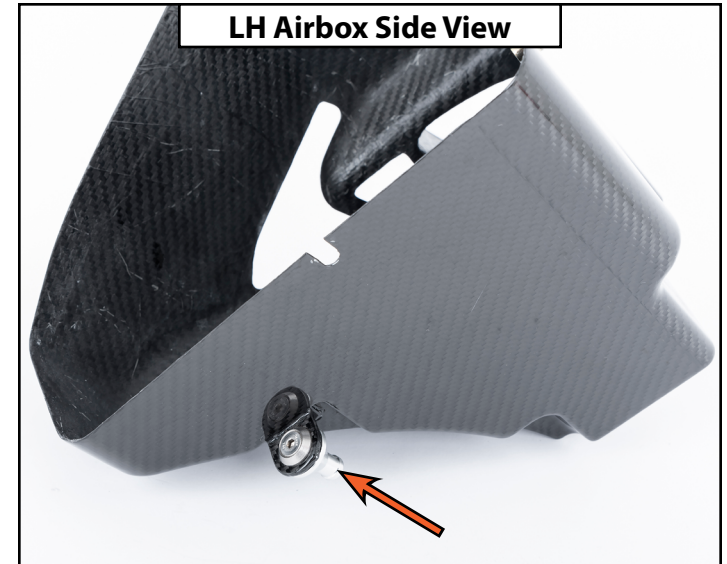
Install the provided aluminum standoffs (arrows) into the new carbon fiber airboxes with the provided 4mm hex (allen) hardware (**YELLOW** inset photo).



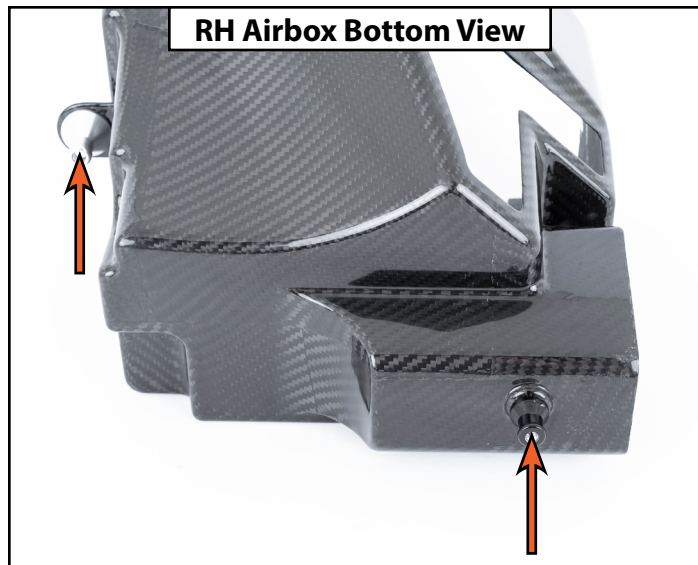
Do not overtighten any of the hardware in this kit, overtightening can cause damage to the carbon fiber.



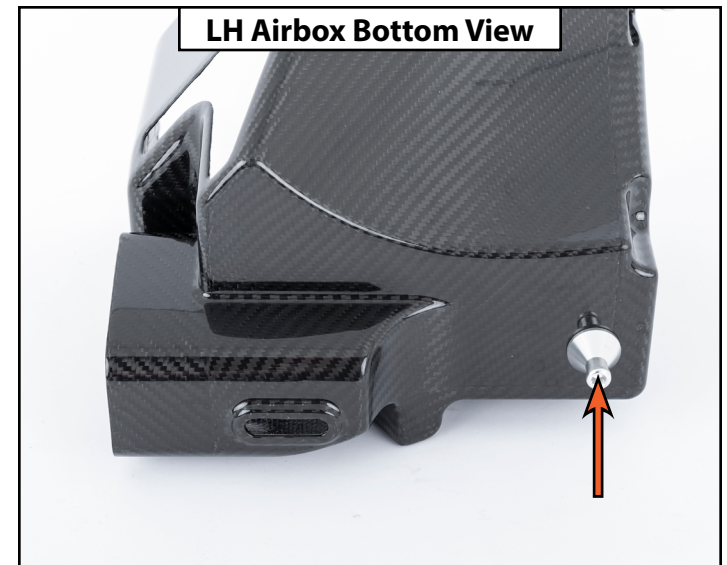
RH Airbox Side View



LH Airbox Side View



RH Airbox Bottom View

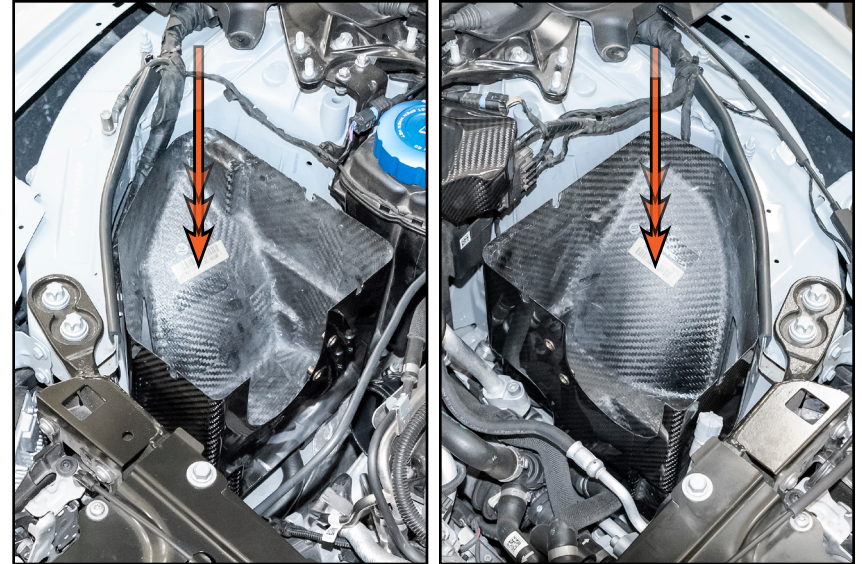


LH Airbox Bottom View

INSTALLING THE NEW INTAKE SYSTEM

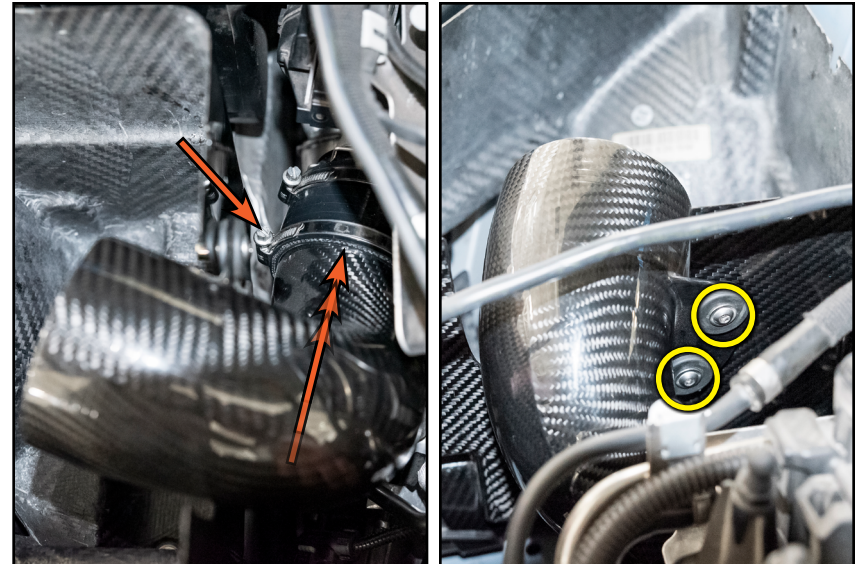
Step 6:

Install the new airboxes by aligning the standoffs with the grommets and pushing down to pop them into place.



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

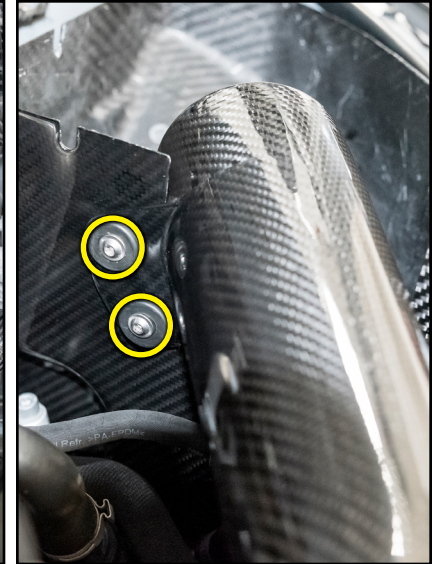
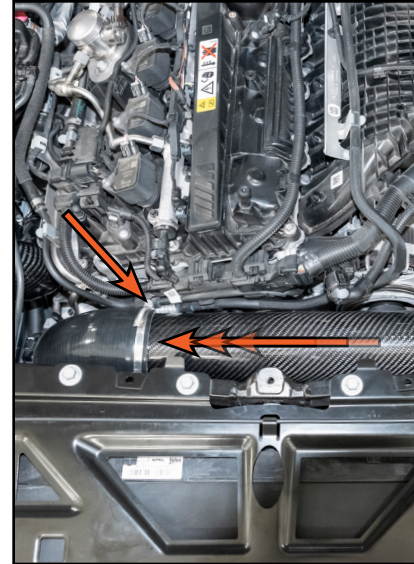
Slide the RH intake pipe into the coupler as far as it will go, install two M6 bolts (circled in **YELLOW**) tightening until snug, then tighten the clamp (arrow).



INSTALLING THE NEW INTAKE SYSTEM

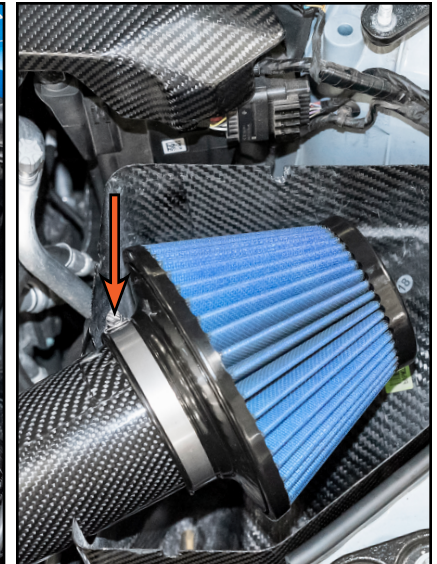
Step 8: 4mm Hex (Allen) Socket, 7mm Socket & Ratchet

Slide the LH intake pipe into the coupler as far as it will go, install two M6 bolts (circled in **YELLOW**) tightening until snug, then tighten the clamp (arrow).



Step 9: 8mm Socket & Ratchet

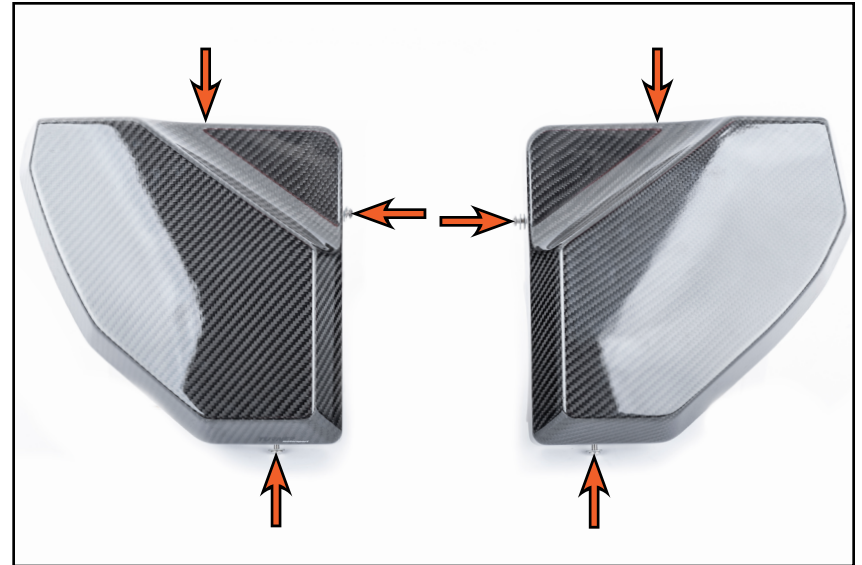
Slide an air filter onto each intake pipe, then tighten the clamps (arrows) until snug.



INSTALLING THE NEW INTAKE SYSTEM

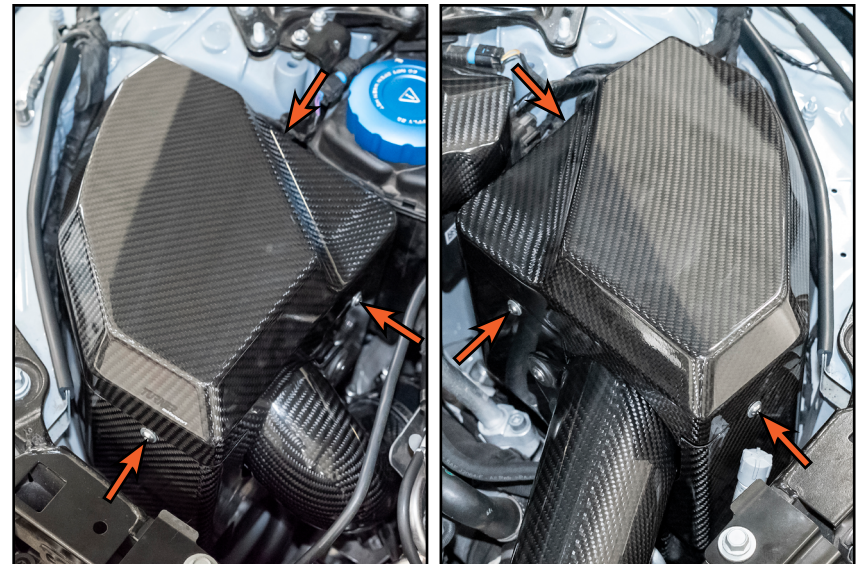
Step 10:

Loosely thread the M5 screws and washers (arrows) into the carbon fiber lids as shown.



Step 11: 3mm Hex (Allen) Socket & Ratchet

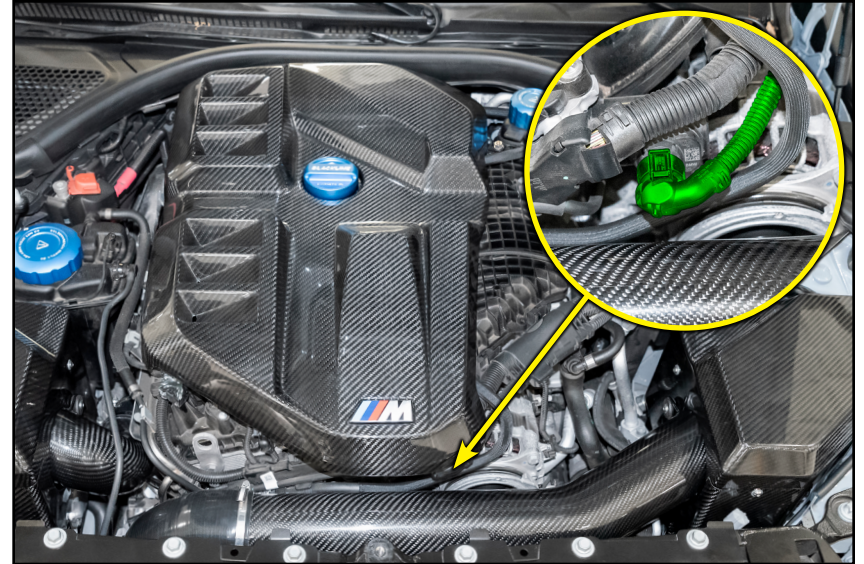
Install the lid onto each airbox, then tighten the screws (arrows) until snug.



INSTALLING THE NEW INTAKE SYSTEM

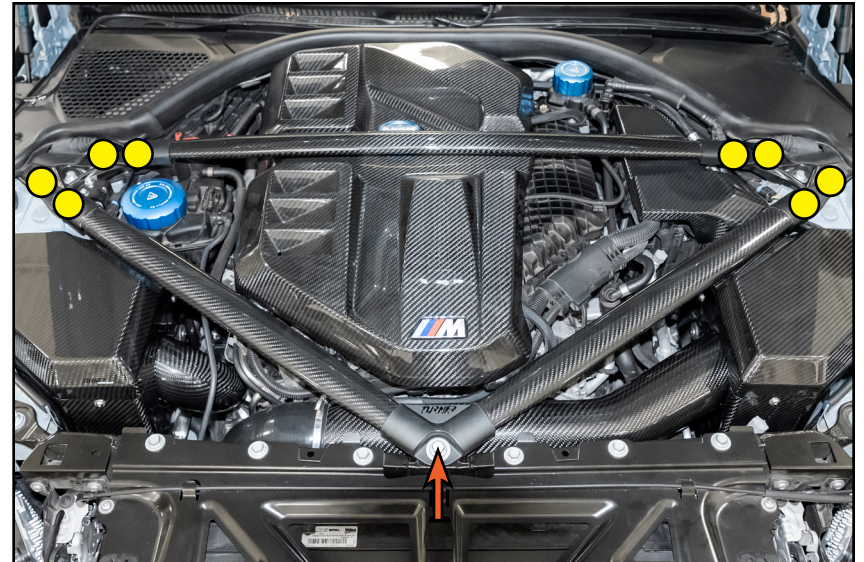
Step 12:

Reconnect the connector (highlighted in **GREEN**), then reinstall the engine cover as shown.



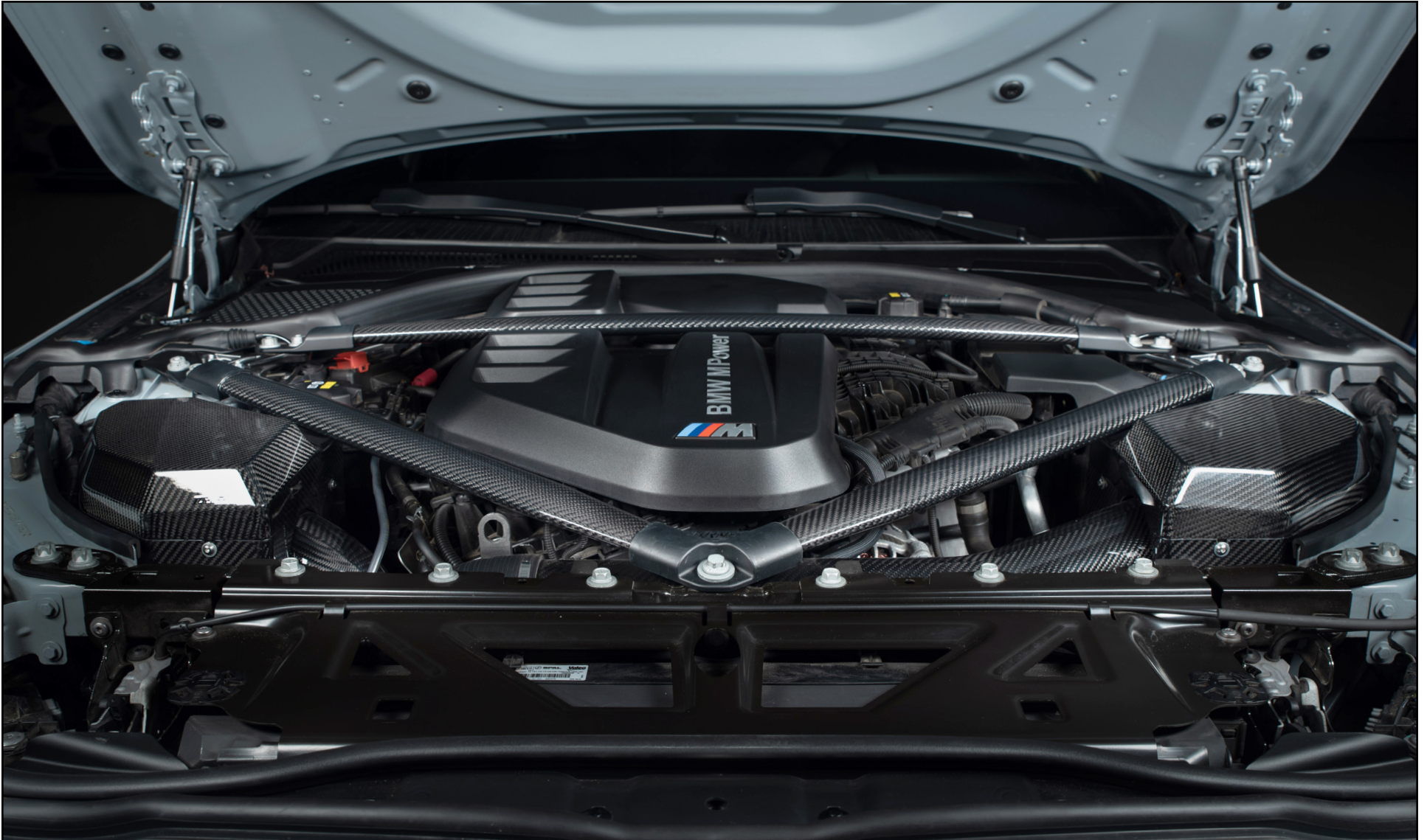
Step 13: 13mm Socket, 15mm Socket & Torque Wrench

Reinstall the strut braces, torquing the nuts (circled in **YELLOW**) to 28 Nm (21 Ft-lbs), and the bolt (arrow) to 56 Nm (41 Ft-lbs) + 90 degrees.



Congratulations, your installation is complete!

Your Intake System installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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.

Although this material has been prepared with the intent to provide reliable information, no warranty (express or implied) is made as to its accuracy or completeness. Neither is any liability assumed for loss or damage resulting from reliance on this material. SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS MATERIAL. In no event will Turner Motorsport, Incorporated or its affiliates be liable for any damages, direct or indirect, consequential or compensatory, arising out of the use of this material.