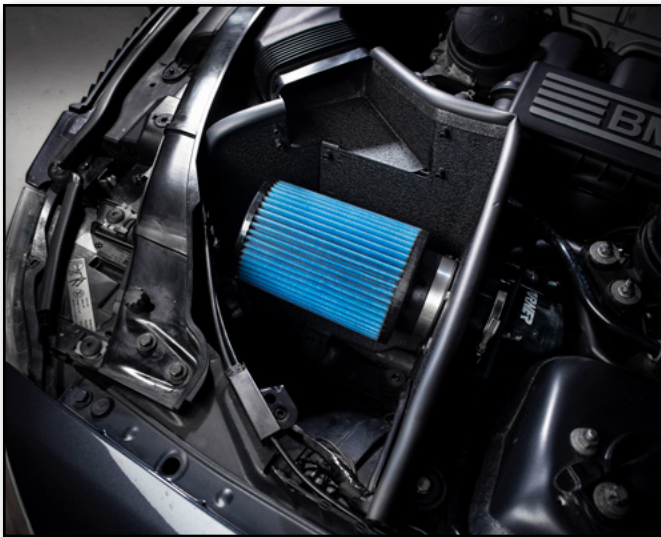




BMW E9x N52 Intake System Installation Instructions



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.

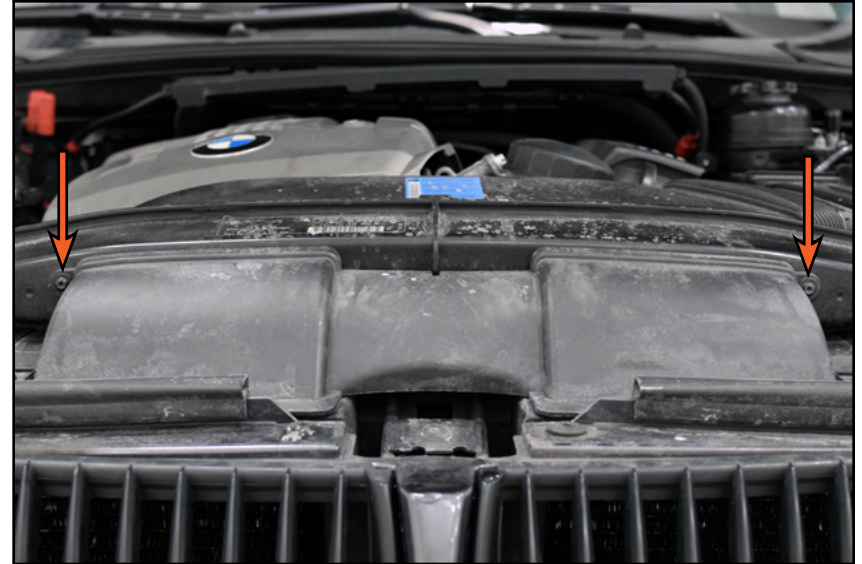


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK INTAKE

Step 1: T20 Torx

Remove the two screws (arrows) which secure the plastic inlet duct to the vehicle.



Step 2:

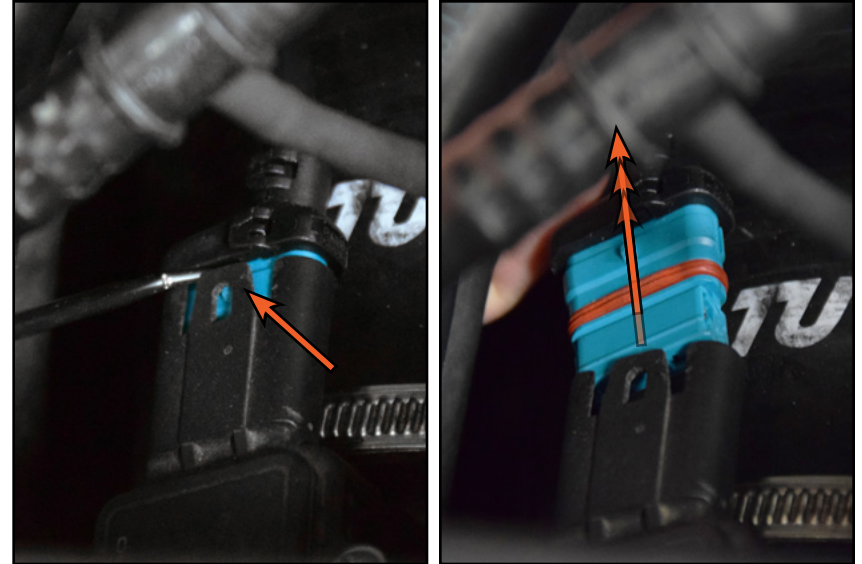
Pull the duct rearward then pop it free from the factory air box and set it aside.



REMOVING THE STOCK INTAKE

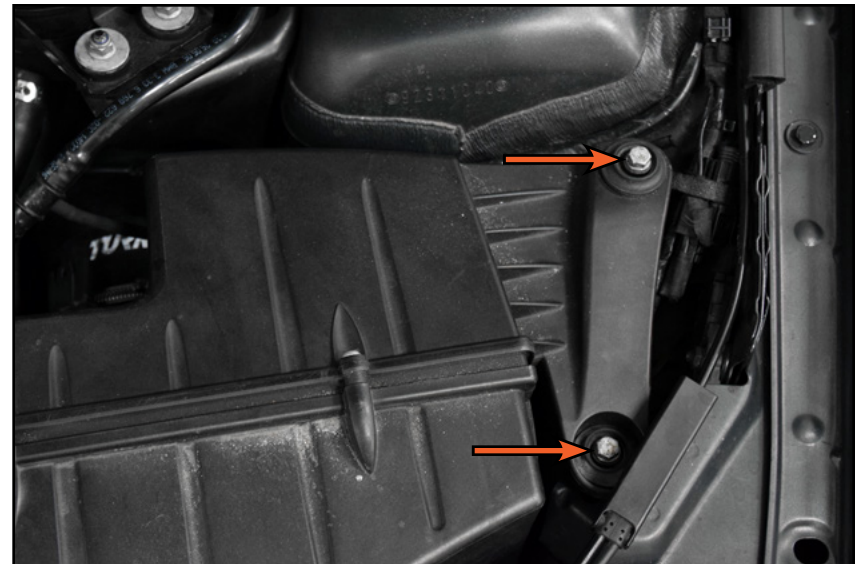
Step 3: Angled Pick

Locate the MAF sensor on the backside of the air box. Gently lift up on the connector locking tab (arrow) and pull the connector free from the sensor as shown.



Step 4: 10mm Socket & Ratchet

Remove the two screws (arrows) which hold the air box in place.



REMOVING THE STOCK INTAKE

Step 5: Flat-Head Screwdriver

Loosen the band clamp which secures the intake boot to the air box.



Step 6:

Lift up on the air box to pop it free and remove it from the vehicle.



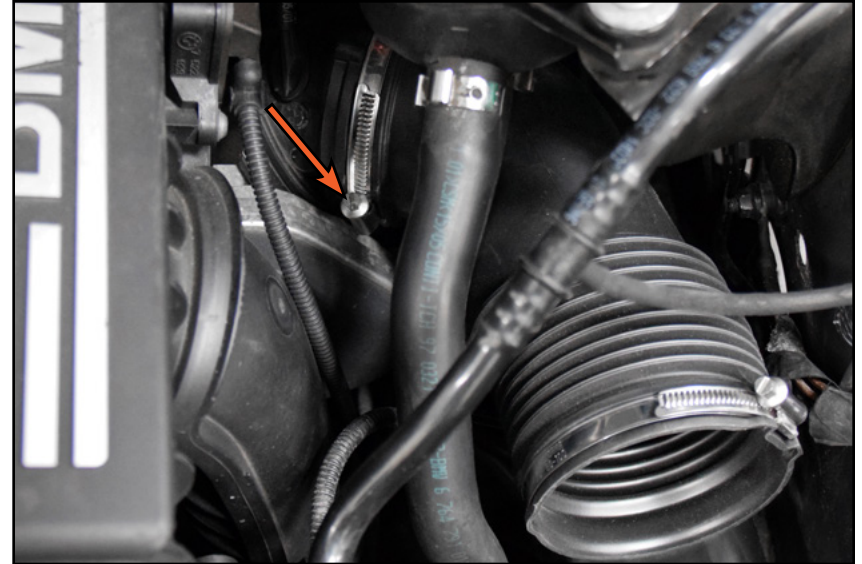
If you purchased our silicone intake boot, continue to the next page for installation. If you chose to retain your stock intake boot or already have our silicone boot installation, skip ahead to [page 7](#) to continue with the installation of your new intake.



INSTALLING THE NEW INTAKE SYSTEM

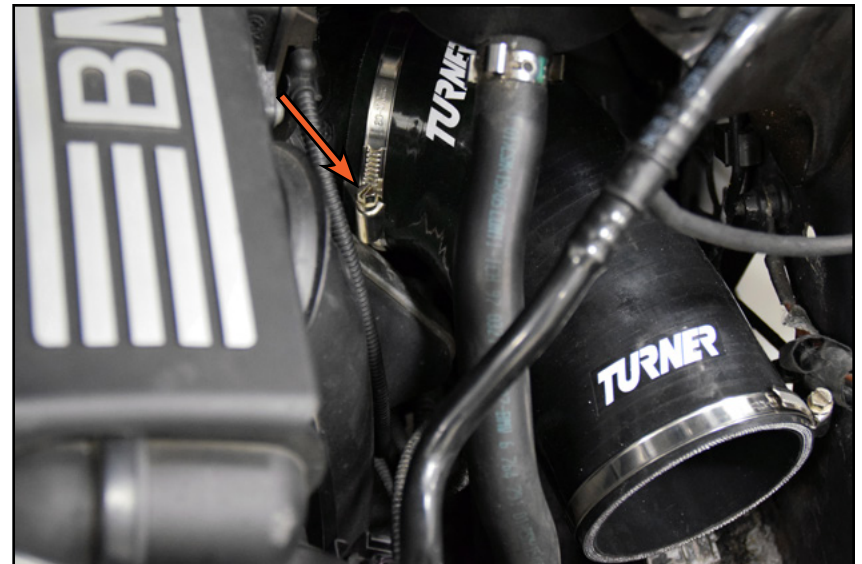
Step 1: Flat-Head Screwdriver

Loosen the clamp (arrow) and pull the stock plastic intake boot free from the throttle body flange.



Step 2: Flat-Head Screwdriver

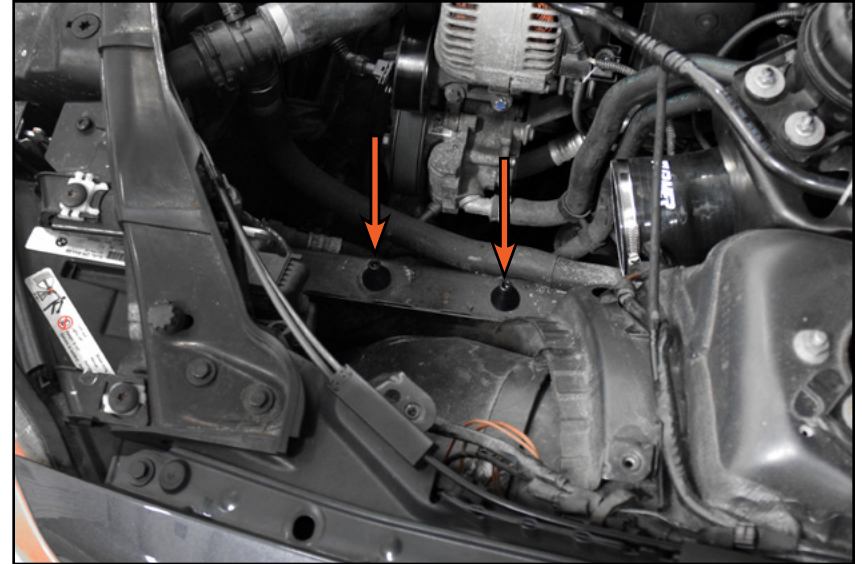
Slide the new Turner intake boot into place and tighten the clamp enough to hold it in place, but leave it loose enough to allow for adjustment.



INSTALLING THE NEW INTAKE SYSTEM

Step 3: 6mm Hex (Allen)

Install the two standoff studs (arrows) onto the studs on the vehicle in the locations shown.



Step 4: 4mm Hex (Allen)

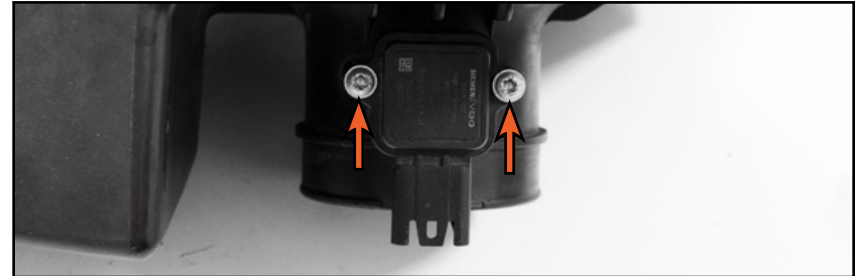
Install the billet MAF housing into the heat shield in the orientation shown and install the three screws to secure it into place.



INSTALLING THE NEW INTAKE SYSTEM

Step 5: T25 Torx, 4mm Hex (Allen)

Remove the two screws which secure the MAF sensor into the stock air box, then transfer the sensor to the new billet housing and install the two provided screws to secure it in place.



Step 6:

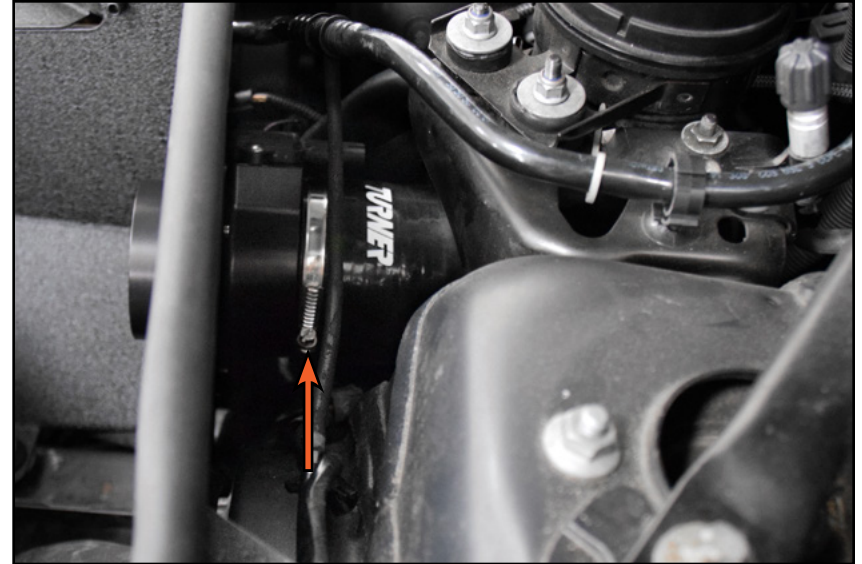
Line the mounting grommets on the heat shield with the stand offs on the vehicle and push down to pop the heat shield into place.



INSTALLING THE NEW INTAKE SYSTEM

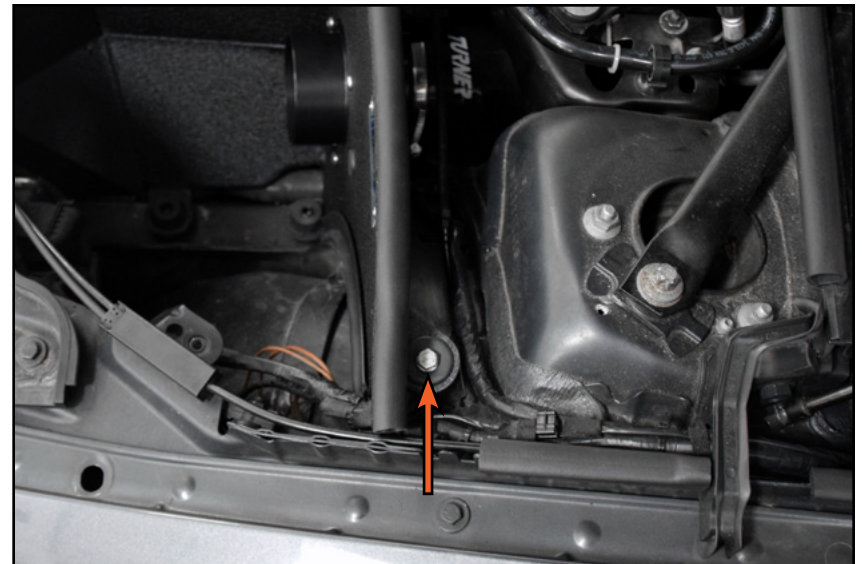
Step 7: Flat-Head Screwdriver

Slide the intake boot over the flange on the MAF housing and adjust the hose until it sits flush on both ends, then tighten down both clamps.



Step 8: 10mm Socket & Ratchet

Slide one of the stock air box mounting screws (arrow) through the mounting grommet on the heat shield and into the mounting tab on the vehicle, tightening it until snug.



INSTALLING THE NEW INTAKE SYSTEM

Step 9:

Reconnect the MAF sensor connector.



Step 10: Flat-Head Screwdriver

Slide the air filter onto the flange as shown and tighten the clamp to secure it in place.



INSTALLING THE NEW INTAKE SYSTEM

Step 11:

Slide the plastic inlet back into place, ensuring that the heat shield is inserted into the opening in the inlet.



Step 12: T20 Torx

Install the two screws which secures the inlet to the vehicle.

Congratulations, your installation is complete!



Your E9x N52 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.

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