

RAMAIR **PRO**RAM

For **BMW F40 Series** **1.5L B38 Turbo Petrol Engine**



Before starting any work on the vehicle please ensure that there are no existing engine management issues.

It is recommended that you read and understand these instructions in their entirety before beginning the installation.

It is recommended that a competent mechanic carries out or at very least inspects the installation of the product.

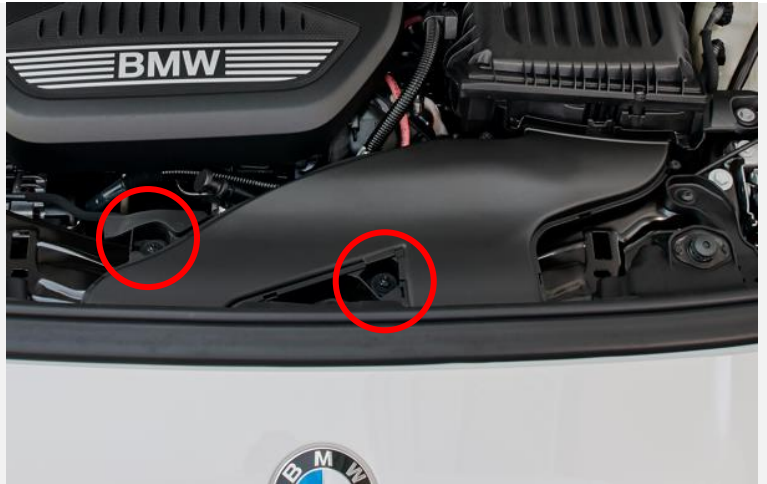
If you are at all unsure about any aspect of the installation process, please contact RAMAIR Filters before proceeding.

Irreversible modification (cutting, grinding, bending, gluing, etc) of any component of the kit is not required for installation to a standard vehicle, doing so may affect your warranty.

01

Undo the two bolts holding the air scoop and remove the scoop from the engine bay.

Keep the bolts for subsequent steps



02

Undo the bolt holding the airbox to the engine bay.



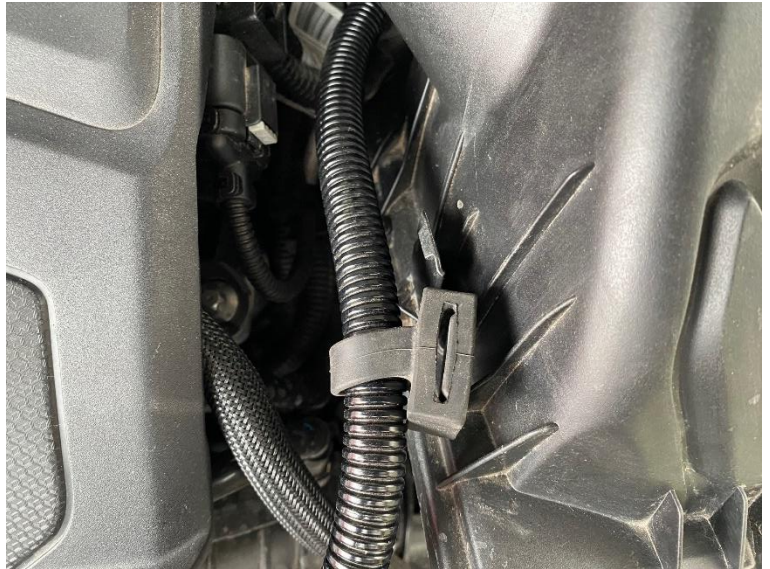
03

Disconnect the intake hose from the airbox by loosening the hose clamp.

Unplug the MAF sensor.



04 Remove the wiring loom sleeve from the airbox mount.



05 Remove the airbox by gently pulling upwards from the rear.
It is held in position by two feet on the underside of the airbox



06 Remove the MAF sensor from the airbox.



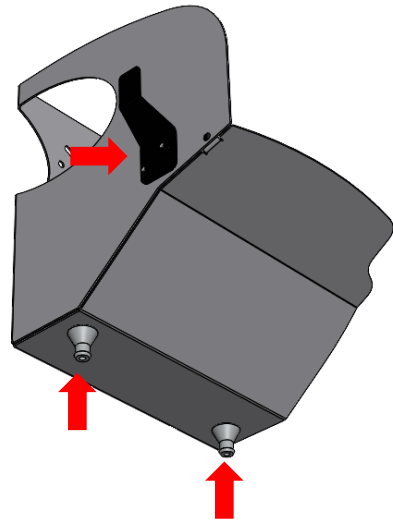
07

Undo the left battery cover bolt.
Keep the bolt for subsequent steps.



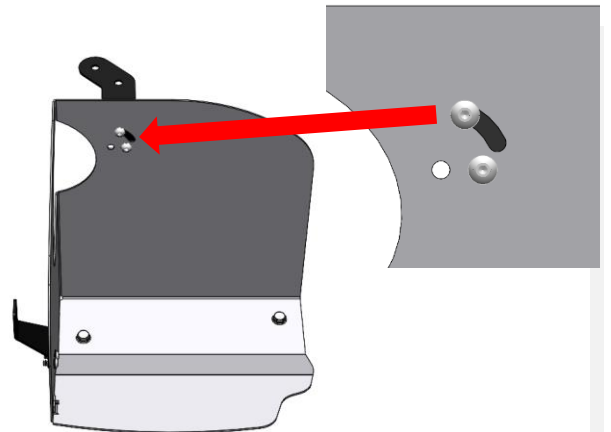
08

Install this supplied bracket and metal feet to the heat shield with the supplied bolts.



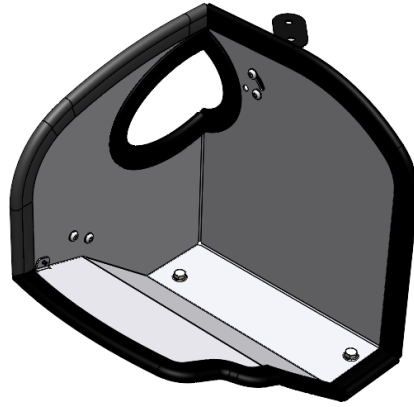
09

Install the second supplied bracket to the rear of the heatshield. Use the right hole and the slot as shown in the enlarged image.



10

Cut and install the supplied edge trim where shown.



11

Install the heat shield into the car, aligning the metal feet and mounting bracket.

Secure the mounting bracket to the car using the original battery cover screw. Refer to step 7 for the location. It will line up with the hole marked with the red arrow.



12

Reinstall the cold air duct from step 1.



13

Clip the wiring harness on to the bracket on the side of the heatshield.



14

Screw the MAF into the pipe using the supplied bolts.

Push the pipe into the OEM hose and reconnect the MAF sensor.

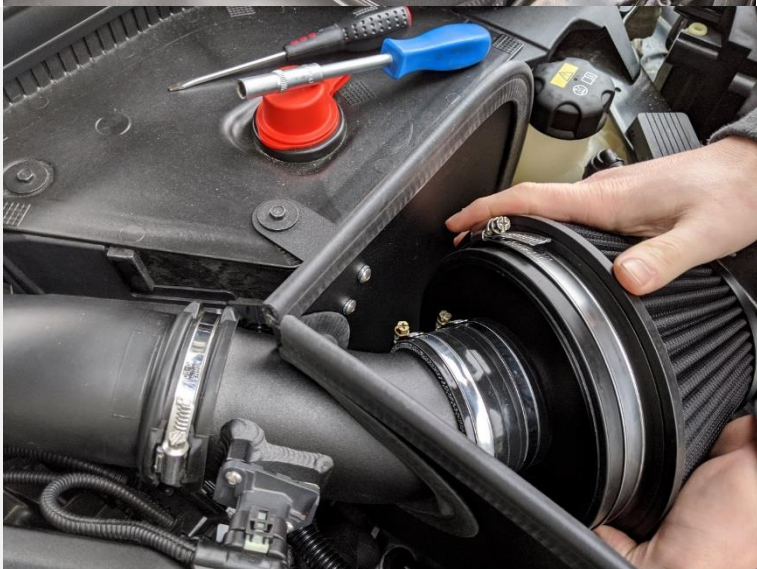
NOTE: The image shown is taken from a mini. Your engine bay will look different but will not impact carrying out this step.



15

Install the filter and velocity stack onto the intake pipe using the supplied silicone coupler and hose clamps.

NOTE: The image shown is taken from a mini. Your engine bay and mounting bracket will look different but will not impact carrying out this step.



Double check your installation.

Start the car and allow to idle for a couple of minutes for it to adjust.

Check your installation periodically to ensure everything is in order.

