

RAMAIR **PRO**RAM

For **BMW 128ti & Mini GP3** 2.0 B48 Engines



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.

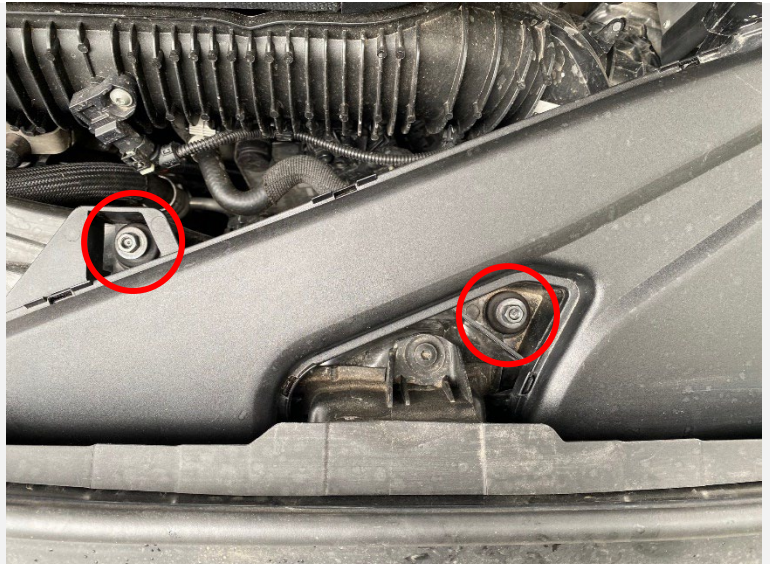
It is recommended that a competent mechanic carries out or at very least inspects the installation of the product.

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 to the engine bay.
Keep the bolts for subsequent steps



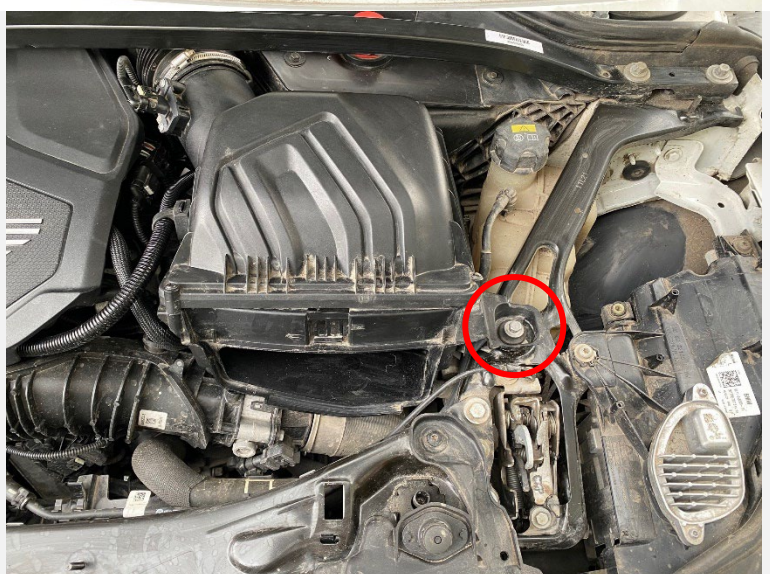
02

Disconnect the air scoop from the airbox and remove from car.



03

Undo the bolt holding the airbox to the engine bay.



04

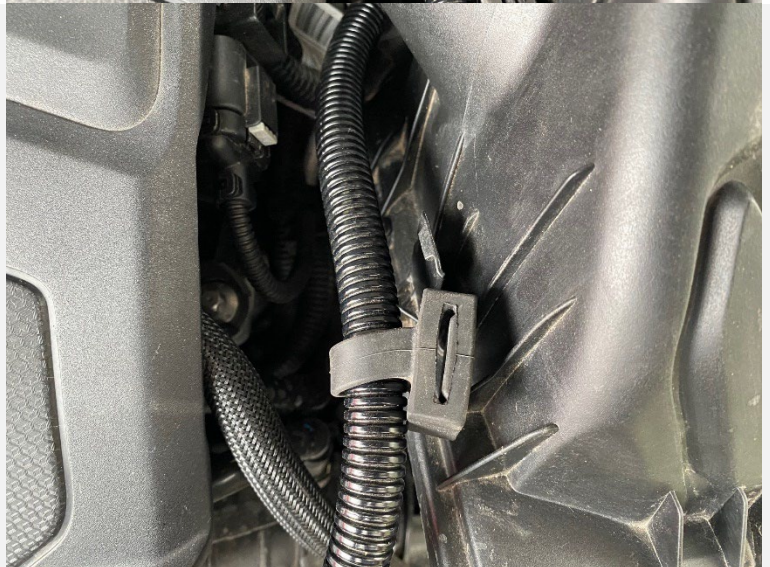
Disconnect the intake hose from the airbox by loosening the hose clamp.

Unplug the MAF sensor.



05

Remove the wiring loom sleeve from the airbox mount.



06

Remove the airbox by gently pulling upwards from the rear.

It is held in position by two feet on the underside of the airbox



07

Remove the MAF sensor from the airbox.



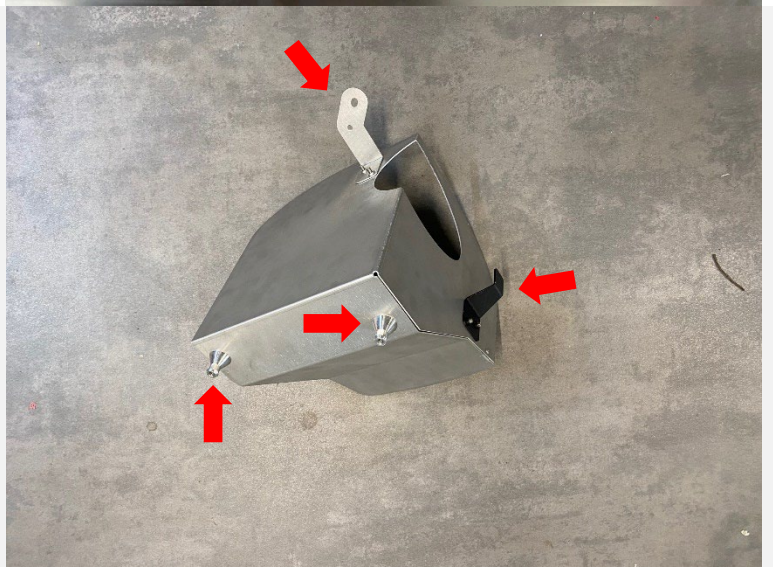
08

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



09

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



10

Cut the supplied edge trim to length and apply to the heat shield as shown.

Edge trim should also be cut for the hole cut-out.



11

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

Your vehicle fitment will determine which hole on the mounting bracket should be used.

Secure the mounting bracket to the car using the original battery cover screw



12

Attach the MAF sensor to the MAF pipe with the supplied bolts.



13

Install the MAF pipe, connecting to the intake hose.

Do not tighten the hose clamp too tightly.



14

Assemble the filter, velocity stack, and silicone hose using the supplied hose clamps.

Do not tighten the hose clamp too tightly.



15

Install the hose and filter assembly onto the MAF pipe and secure with the remaining clamp.

Adjust the rotation to ensure clearance around the filter.

Ensure all hose clamps are secure.



16

Reconnect the intake hose to the MAF pipe, securing with the loosened hose clamp.

17

Re-install the air scoop and secure with the original bolts.

18

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.

