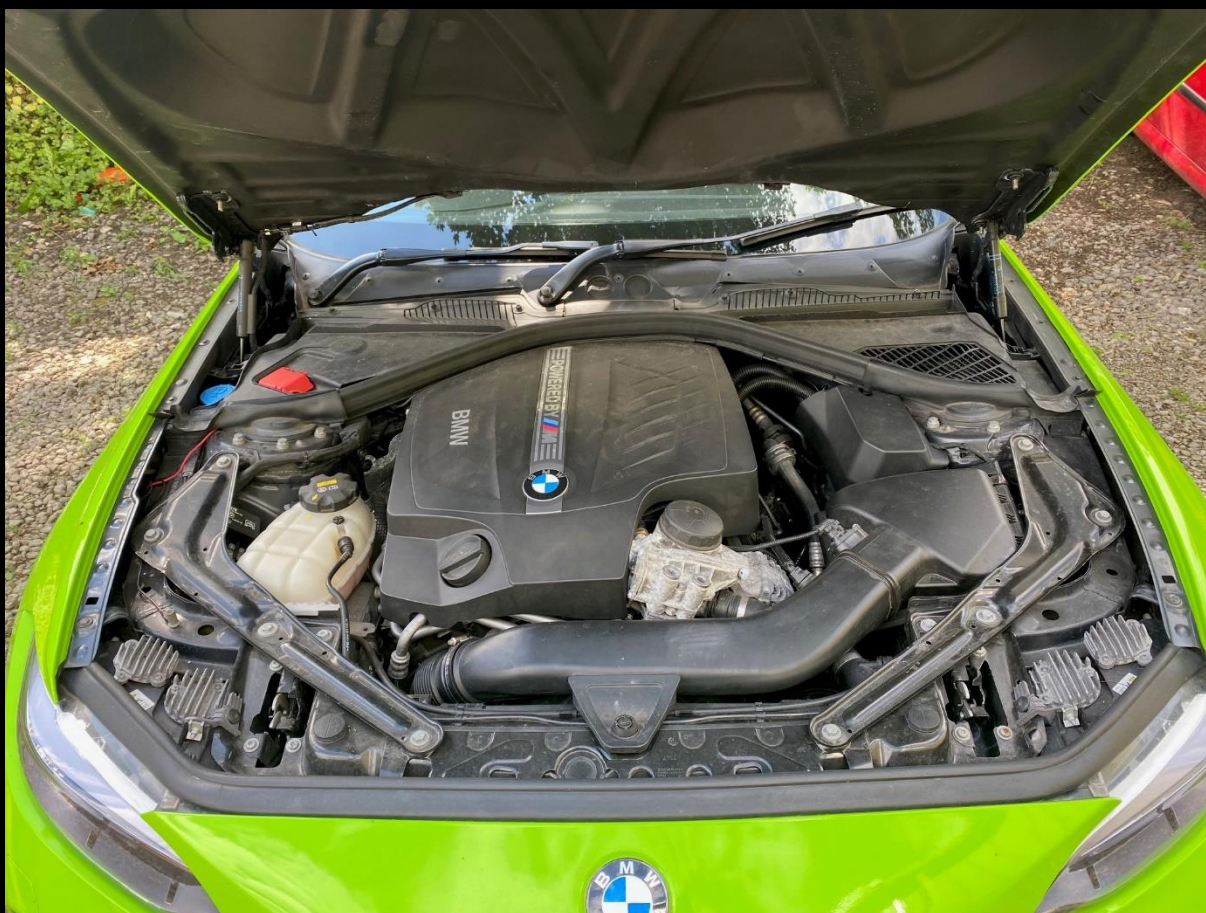


RAMAIR PRORAM

For BMW M2 (F87) & 1/2/3/4 Series (F2X, F3X) N55 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 bolts holding the side brace in place. Put the bolts and brace to the side to reattach later.



02

Undo the bolt holding the plastic cover. Remove the cover and put to the side to reattach later.

Remove the engine cover



03

Disconnect the take-off and MAF sensor.



04

Undo the hose clamp securing the intake hose.

Remove the front pipe bracket from the chassis.

Remove the airbox and attached pipe by pulling upwards.



05

Install the edge trim to the heat shield as shown.



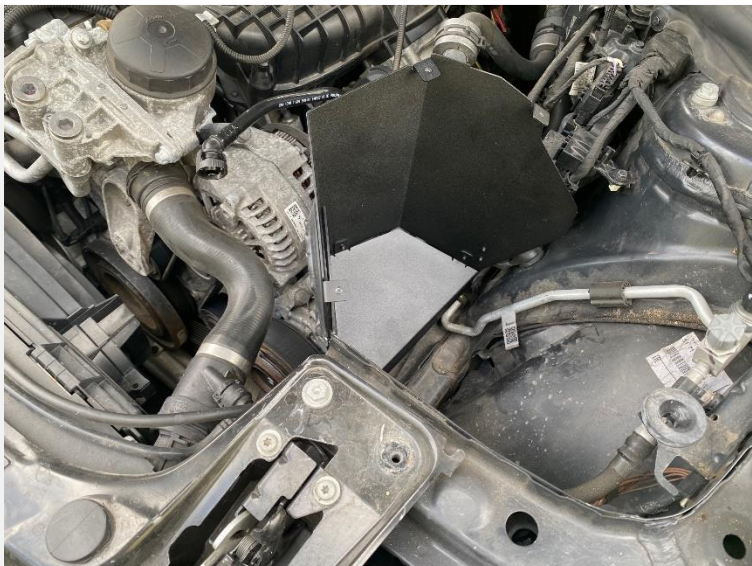
06

Install the supplied metal foot onto the rear bracket of the heat shield.



07

Install the heat shield, pressing the metal foot into the rear chassis mounting point.



08

Use the supplied bolt, washers, and nut to secure the heat shield to the chassis slot as shown.

To do this, pass the bolt through a washer and place through the chassis slot. Then align the heat shield and pass the bolt through the hole on the front. Place another washer and the nut and secure.



09

Disconnect the PCV adaptor on the OEM turbo inlet.



10

Undo the bolt securing the turbo inlet to the OEM intake hose. You may need access from underneath the car or through the wheel arch.



11

Reusing the OEM rubber adaptor, install the supplied turbo inlet adaptor onto the turbo inlet.



12

Assemble the PCV adaptor onto the silicone hose. Secure with the hose clamp provided but do not do it up too tightly until it is positioned correctly.



13

Place a hose clamp around the end which will connect to the turbo inlet adaptor.

Install the assembled silicone hose. Adjust the hose and connect the PCV adaptor.

Once the position of the hose is correct, tighten the hose clamps.



14

Install the intake pipe into the car, securing it with the supplied hose clamp on the silicone end.

Adjust the pipe so that it sits inside the hole in the heat shield.

Connect the take-off and MAF sensor to the intake pipe.



15

Install the filter onto the end of the intake pipe.

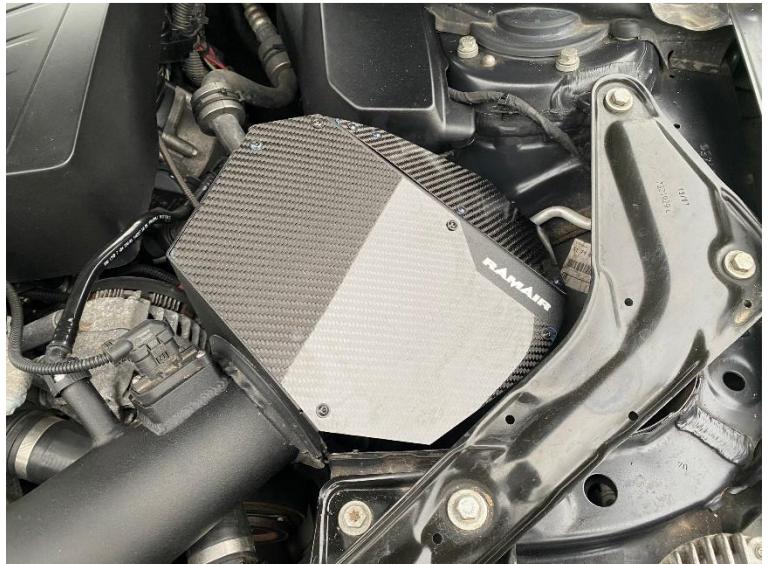


16

Assemble the carbon fibre lid using the supplied bolts.

Install the carbon fibre lid onto the top of the heat shield.

Reinstall the battery cover, engine cover and side braces.



17

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.



