



## Installation Instructions

### **D760-0063 & D760-0063-B: G8x M2/M3/M4 COLD AIR INTAKE SYSTEM**

**Document Revision:** C

**Release Date:** October 20, 2023

### Table of Contents

PARTS LIST .....	2
REMOVAL OF STOCK SYSTEM .....	3
DINAN INSTALLATION.....	6

Thank you for being selective enough to choose a Dinan Performance Intake System. The Dinan Engineering Team has spent many hours developing this product to assure that you will receive increased performance, durability and an aesthetic design that you as a customer will be able to enjoy for many years. Ease of installation and maintenance is important to us and has been highly considered throughout the design process.

Prior to performing the installation, familiarize yourself with these instructions as it should help you with the process. If you feel that you do not have the required skills or tools, please arrange for a qualified repair facility to perform the installation.

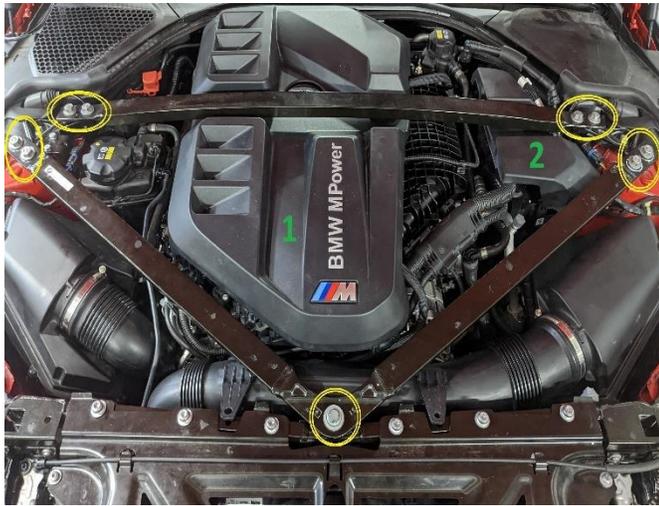
If you have any difficulties during the installation, or if these instructions are not clear to you, please call Dinan's Technical Support Staff at (800) 341-5480.

Again, thank you for choosing Dinan. Enjoy.

## PARTS LIST

<b>DINAN PART #</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
D401-0032	AIR FILTER, G82-83 M4	2
D762-0283	TURBO INLET FRONT, G8X	1
D762-0284	TURBO INLET REAR, G8X	1
D762-0285	LEFT COUPLER BOOT, G8X	1
D762-0286	RIGHT COUPLER BOOT, G8X	1
D763-0188	ASSY, PLENUM, G8X	1
D763-0190	ASSY, LID, RIGHT	1
D763-0191	ASSY, LID, LEFT	1
D763-0192	HARDWARE KIT	1

## REMOVAL OF STOCK SYSTEM



### STEP 1:

Remove front and rear brace by removing bolts and nuts as shown in yellow circles. For M2 only – remove edge seal and cosmetic covers as needed to access rear brace fasteners.

Remove engine cover, pulling upward- Green (1).

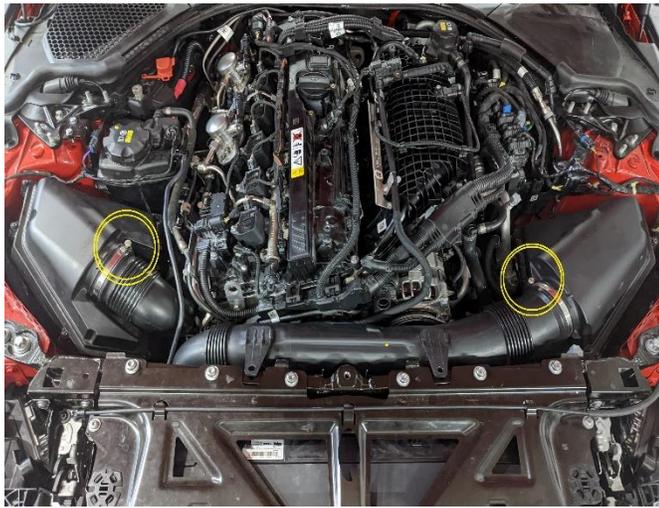
Remove electronics cover, pulling upward- Green (2).



### STEP 2:

Remove push pins of left airbox intake tube (yellow).

Disconnect connector shown in red to allow for install clearance.

**STEP 3:**

Loosen clamps where intake tubes mate with airbox lids, both sides.

**STEP 4:**

Remove the airbox, both sides, pulling upward.

Separate the upper airboxes from the lower airboxes. The upper airbox sections, along with the stock filters, will not be reused. The lower airboxes will be used in a later step.

Ensure that the rubber grommets holding the lower boxes to the chassis are still positioned in the vehicle.

**STEP 5:**

Pull outward the hoop of the spring clip from the rear turbo inlet tube (see photo for direction). The ends of the clip may be pushed forward to keep the connection unlocked. Remove rear turbo inlet tube.

**Ensure to protect the turbos from debris entering the inlet.**



**STEP 6:**

Pull outward the hoop of the spring clip from the front turbo inlet tube (see photo for direction). The ends of the clip may be pushed upward to keep the connection unlocked. Remove front turbo inlet tube.

**Ensure to protect the turbos from debris entering the inlet.**

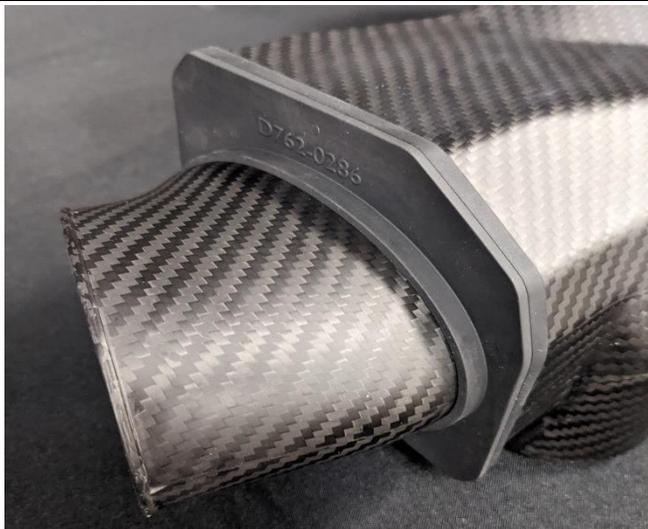
**Removal of stock system is now complete.**

## DINAN INSTALLATION



**STEP 1:**

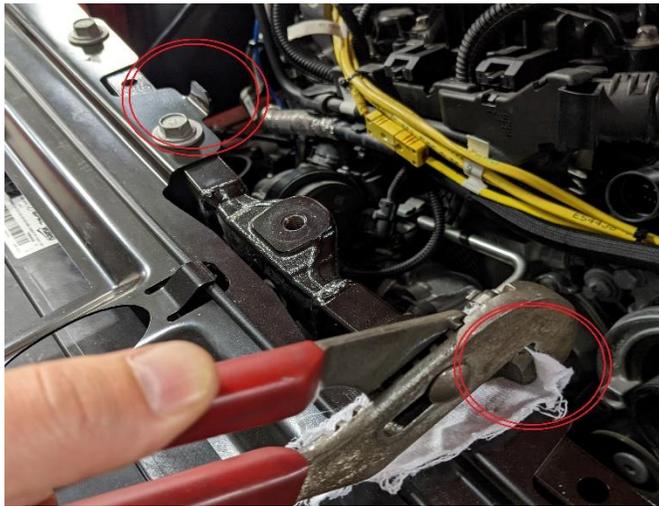
Tighten the plenum bracket to the plenum as shown using (2x) M4x10 countersunk screws.



**STEP 2:**

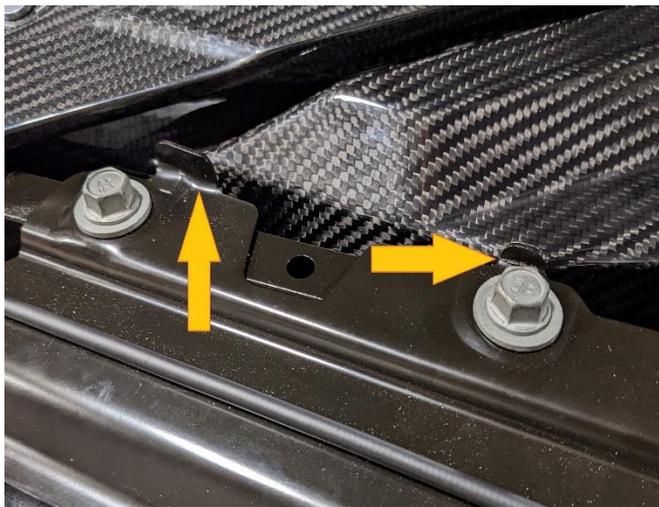
Slide coupler boots, D762-0285 and D762-0286 over ends of plenum.

Boot shall sit flush against face and wrap around edge of plenum, on both sides.

**STEP 3:**

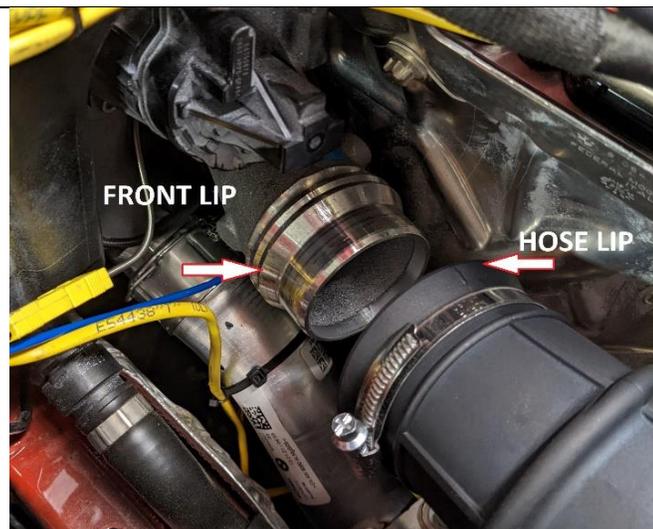
Using pliers and a cloth, bend the tabs as shown into the vertical position.

This will help with clearance during the installation of the Dinan system.

**STEP 3.1:**

Ensure all tabs are pulled up. Some models may have an extra tab as shown in the image.

Orientation of tabs is shown in image. This should be done on both passenger and driver side of panel.

**STEP 4:**

Slide hose clamps onto tubes. Small hose clamp on long tube. Medium hose clamp on short tube.

Pre-install both rubber hoses onto the stock turbo inlet tubes. Do not tighten clamps as alignment to plenum is needed.

The longer rubber hose shall attach to the rear turbo. The shorter rubber hose shall attach to the front turbo.

The inside lip on the hose shall snap over the front lip of the turbo inlet tubes. Ensure seated all around.



**STEP 5:**

To ease installation of the Dinan plenum in the following steps, rotate the hoses as shown in photo. The inlet opens should be level and parallel.

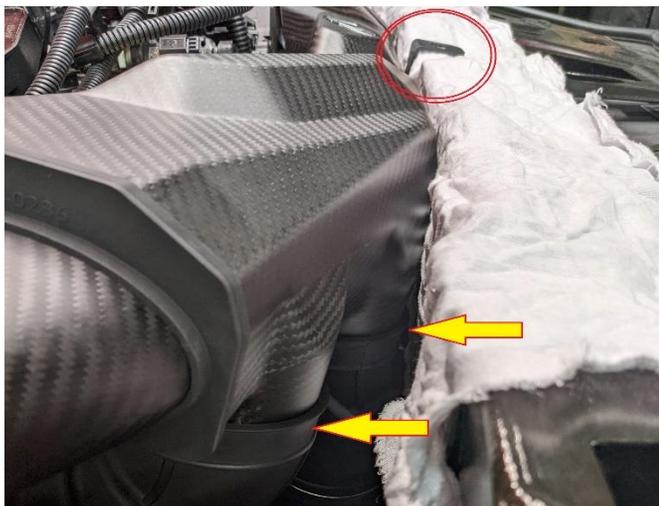


**STEP 6:**

Place a rag/cloth over the metal panel as shown.

The following steps could require a few test fits of the carbon components.

The metal panel must be covered, to prevent damage to the carbon finish during the final installation steps.



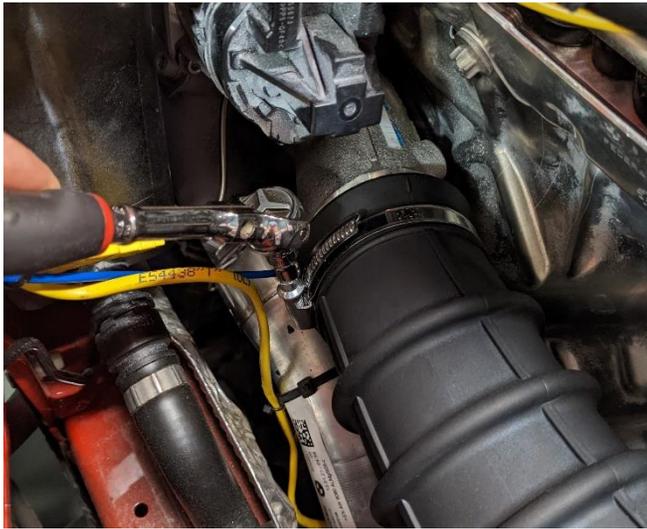
**STEP 7:**

Place plenum in engine compartment to ensure proper alignment of hoses.

Align mounting tab with mounting hole as shown (red).

Plenum outlet ports shall slide into hoses. May need to press down on plenum slightly.

This shall be the final position of the rubber inlet hoses.



**STEP 8:**

Remove plenum and tighten clamps at turbo inlet for both the inlet tubes as installed in STEP 4 and 5.



**STEP 9:**

On a clothed surface, slide airbox lids onto plenum as shown.



**STEP 10:**

Slide large clamps onto air filter collar.

Seat air filters onto plenum. Filter pleat seam shall be visible as shown.

Once oriented properly, tighten clamp to a snug fit.



**STEP 11:**

Position each lower airbox (from Step 4) under the Dinan carbon airbox lids as shown.



**STEP 12:**

Using rubber washers and self-threading screws provided, start thread into lower box.

Do not tighten until all screws are engaged in lower box.



**STEP 14:**

Tighten all screws.

Do not over tighten. Screws shall only compress rubber washers slightly.

**STEP 15:**

Position the two remaining medium clamps onto the inlet hoses in orientation as shown.

Tighten clamps as needed to maintain position only. Do not compress hose at this time.

**STEP 16:**

Carefully lower the entire airbox and plenum assembly into the vehicle.

Make sure the cloth is still on the front of vehicle to protect during this step.

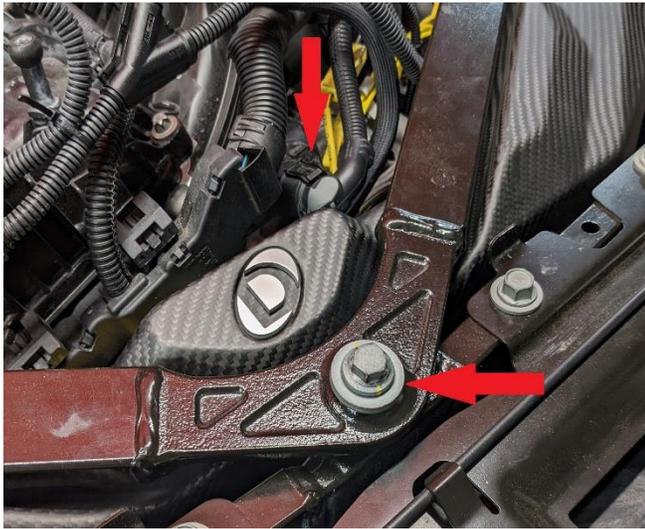
**STEP 17:**

Ensure both lower boxes slide into proper position with stock inlet tract as shown.

Ensure plenum seats fully into the Dinan intake hoses.

Press both airboxes into the stock rubber grommets from STEP 4.

Hose clamps will be tightened after STEP 18.



**STEP 18:**

Re-install connector as shown.

Re-install braces and torque to:

Bolt: 56 Nm (41 ft-lbs)

Nuts: 28 NM (20 ft-lbs)

This fully seats the plenum.

**FULLY TIGHTEN HOSE CLAMPS AS SHOWN IN STEP 17.**



**STEP 19:**

You have now completed the installation.

Ensure all hoses are tightened and bolts are torqued.

The extra DINAN badge is for your placement discretion. If choosing to place on the intake, the adjacent photo shows a suggested location.

ENJOY and remember to remove all tools and extra parts from the engine compartment prior to closing of the hood.