

Installation Instructions

D760-0053: F90 M5 TURBO INLET TUBES

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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.

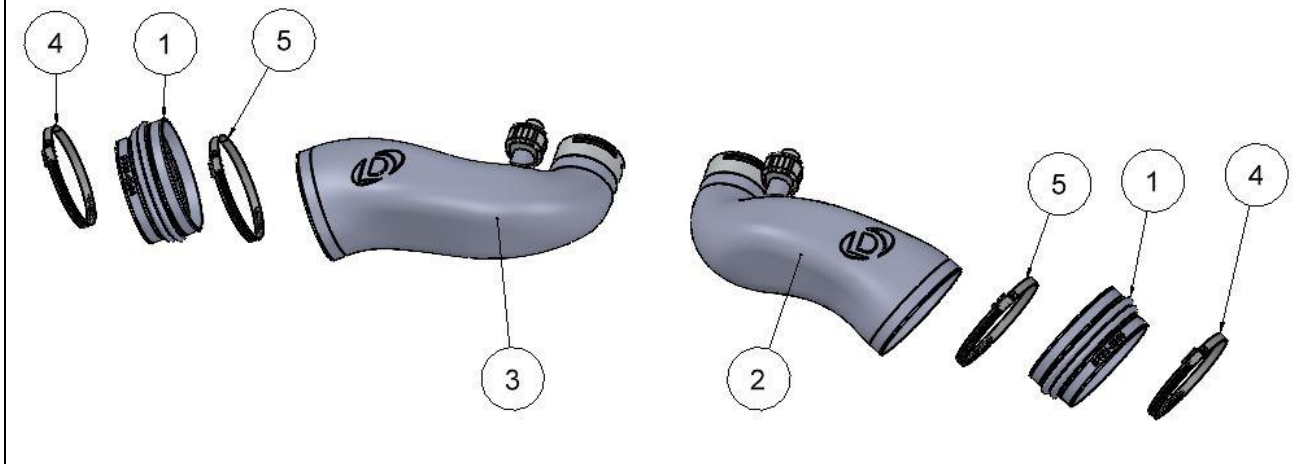
If you have any difficulties during the installation or if these instructions are not clear to you, please call Dinan's Technical Support Staff at (800) 341-5480.

Again, thank you for choosing Dinan. Enjoy.

Parts List

Model view may not represent actual look of part. For reference only

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	D762-0244	Intake Hose, F90	2
2	D763-0161	Assy, Turbo Inlet +Valve, Left, F90	1
3	D763-0162	Assy, Turbo Inlet +Valve, Right, F90	1
4	#64Z	Clamp, 9mm, 90-110	2
5	#70Z	Clamp, 9mm, 100-120	2



Vehicle List

- 5' F90 M5 (2018 - 2020)

Tools Required

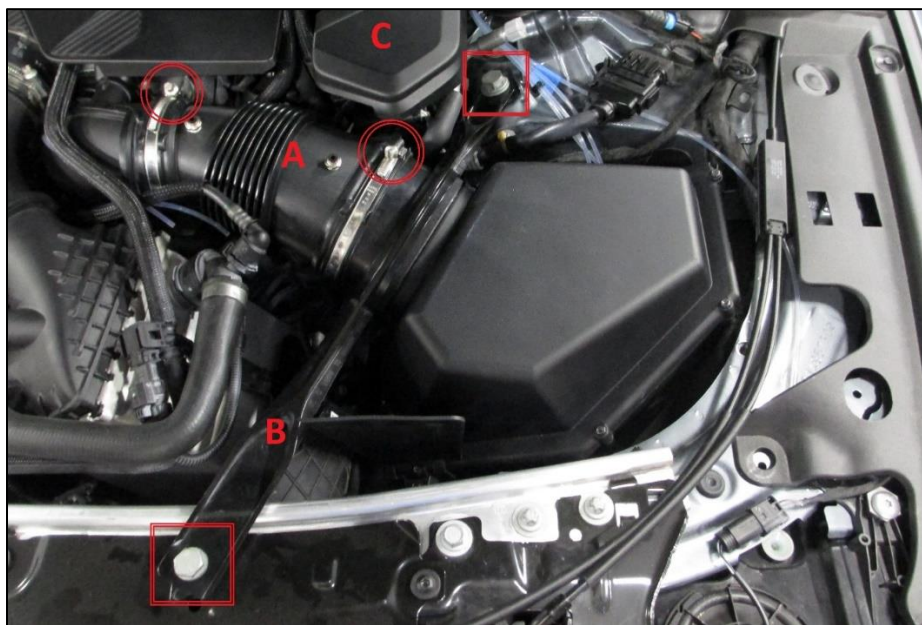
- Required Tools
 - 16mm socket
 - 18mm socket
 - 5mm Socket
 - 7mm Socket
 - 6mm Socket
 - Flathead screwdriver
 - Needle nose pliers

Removal of Intake System

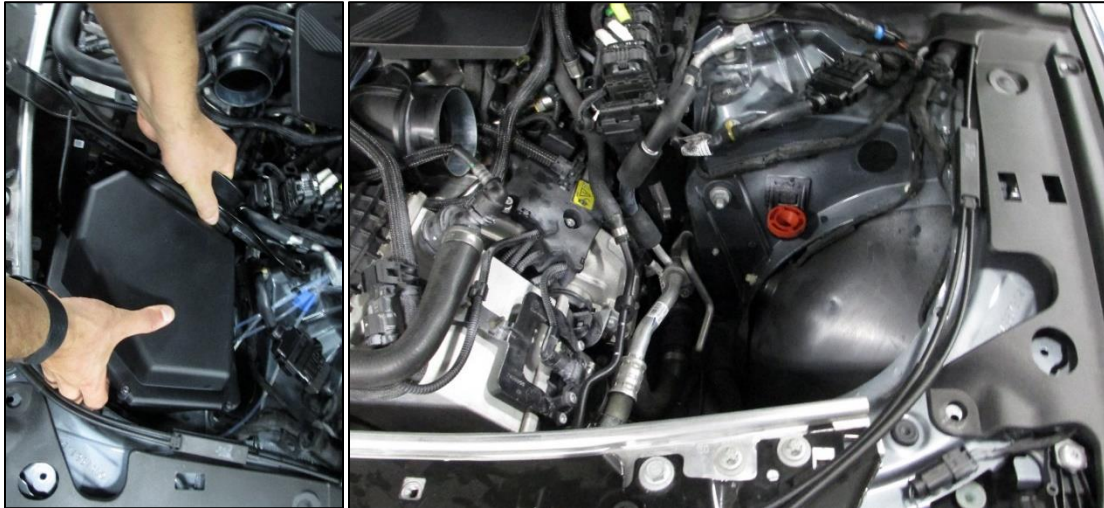
- 1) Removal: Engine Compartment Cover(s):
 - a) Pull out (3) expanding rivets shown below.
 - b) Detach from front engine hood seal.
 - c) Repeat on other side of vehicle.
 - d) Remove engine cover and 2 acoustic covers on either side of engine cover.



- 2) Removal: Airbox Assembly
 - a) Loosen clamps and remove (A) from the system.
 - b) Remove outside acoustic cover (C) from vehicle.
 - c) Remove bolts of strut tower brace (B) using a 16mm and 18mm socket.



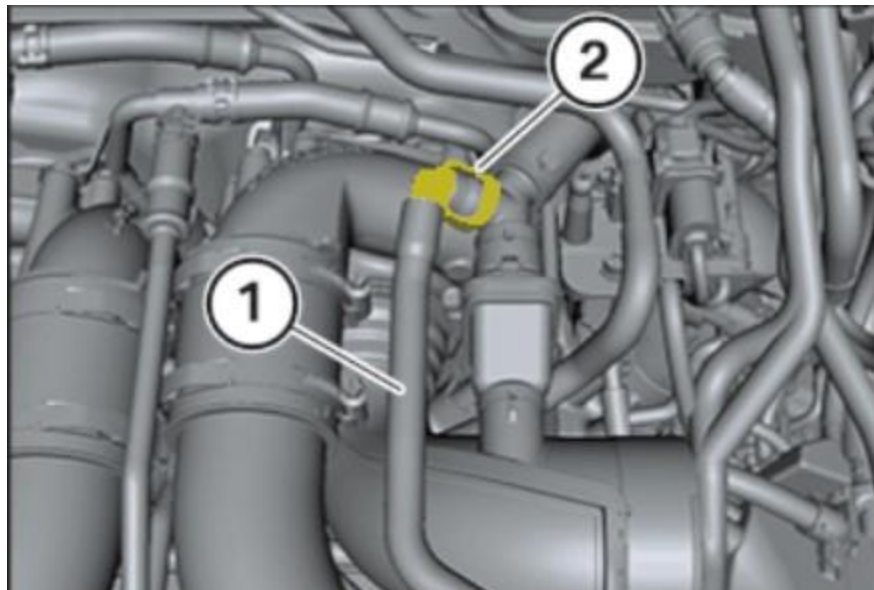
- d) Ensure all hoses, located under the brace, attached to the airbox lid are free from lid.
- e) The airbox is snapped into the car and can be removed by pulling up on entire airbox (top and bottom lid). Some force may be required.



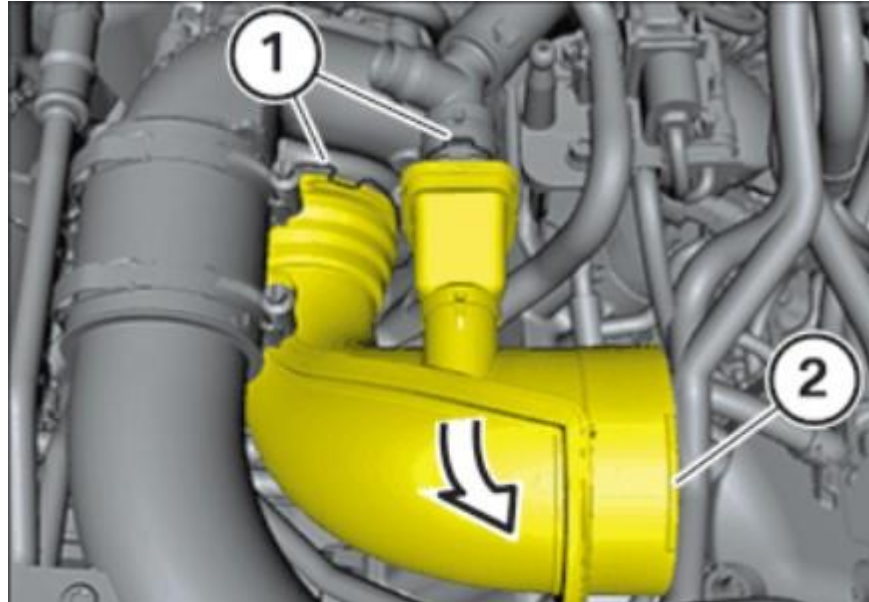
- f) Repeat same process on other side of vehicle. Removal of the airbox will allow for an easier inlet tube installation.

Removal of Turbo Inlets

- l) Removal: Turbo Inlet Tubes
a) Disconnect the tank vent line (2) and move it out of the way.



- 2) Removal: Turbo Inlet Tubes
- Unlock the retaining clips (1) on the turbo inlet and valve using a flathead screwdriver or pliers.
 - Remove the turbo inlet tube.
 - Repeat on the other side of the vehicle.

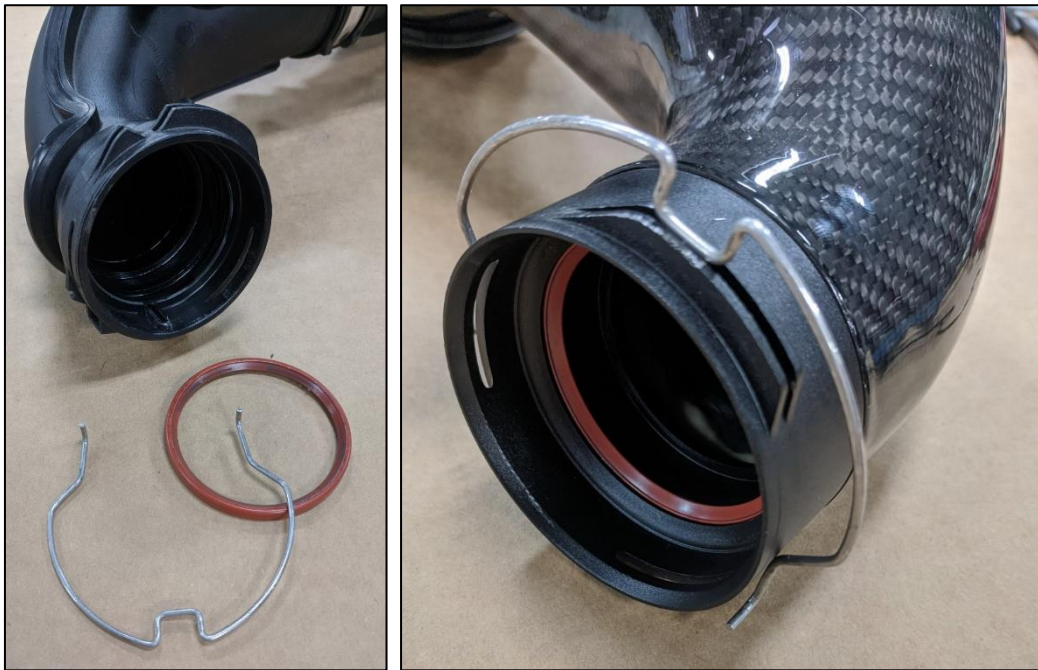


- The turbo inlet tube should now be detached as pictured below.
- BE CAREFUL TO NOT DROP ANYTHING INTO THE TURBO OPENING.**



Assembly of the Dinan Turbo Inlet Tubes

- 1) Turbo Inlets:
 - a) Remove the retaining clips and gaskets from the stock turbo inlet tubes.
 - b) Install the gasket seal in each inlet tube. Ensure that the gasket is seated properly in the groove as shown below.
 - c) Install the retaining clip in the orientation shown below. Should snap into the grooves.



- 2) Intake Hose:
 - a) Slide the larger end of the intake hose bellow over the intake tube. The bellow shall overlap the tube approx. 1/2". Tighten the larger clamp. Do not overtighten.

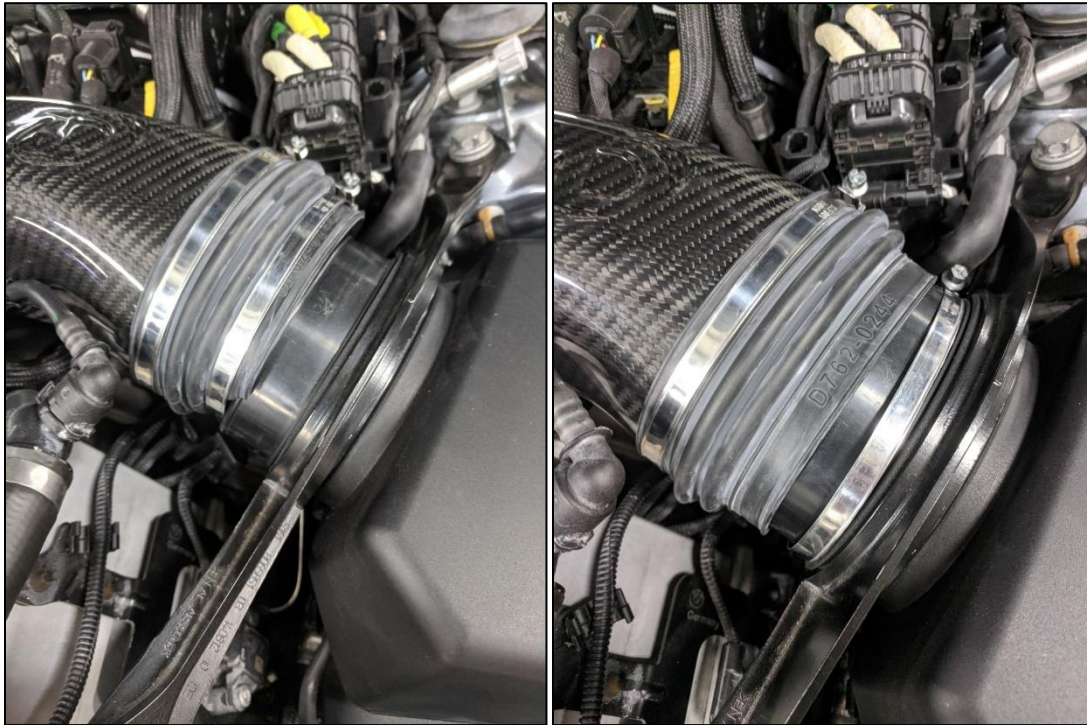


Installation of the Dinan Turbo Inlet Tubes

- 1) Turbo Inlet Tube
 - a) Install the Inlet Tubes into the car.
 - b) The retaining clips will snap over the turbo inlet once properly seated.
 - c) Re-attach the vent line to the valve, secure retaining clip and ensure secondary vent line is attached.



- 2) Connecting to the airbox:
 - a) Open the smaller clamp and slide over the airbox outlet.
 - b) Align the airbox outlet to the bellow.
 - c) Work the bellow around the outlet. Ensure it is seated all the way around.
 - d) Seat the airbox back into its proper installed position.
 - e) Wiggle the entire assembly to seat the entire assembly into its “natural” position.



- f) Slide the clamp into position as shown, ensuring the boot overlaps the outlet tube by at least 1/2".
- g) Tighten the clamp.



- 3) Re-assemble remaining components.
 - a. Reuse the bolts from removal to mount the strut braces. Torque the front bolt to 20 ft-lbs (28Nm) and the rear bolt to 40 ft-lbs (56Nm).
 - b. Reinstall the engine compartment covers on both sides ensuring the panel snaps in to hood gasket. Install expanding rivets on each side.
 - c. Reinstall the acoustic covers and engine cover.
- 4) Remove all tools from engine compartment and ENJOY.