

## Installation Instructions

### **D660-0081: F90 M5 RESONATOR DELETE**

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### **Table of Contents**

Parts List: .....	2
Removal of Stock System .....	2
Installation of Dinan System .....	7

Thank you for being selective enough to choose a Dinan Performance Exhaust System. The Dinan 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.

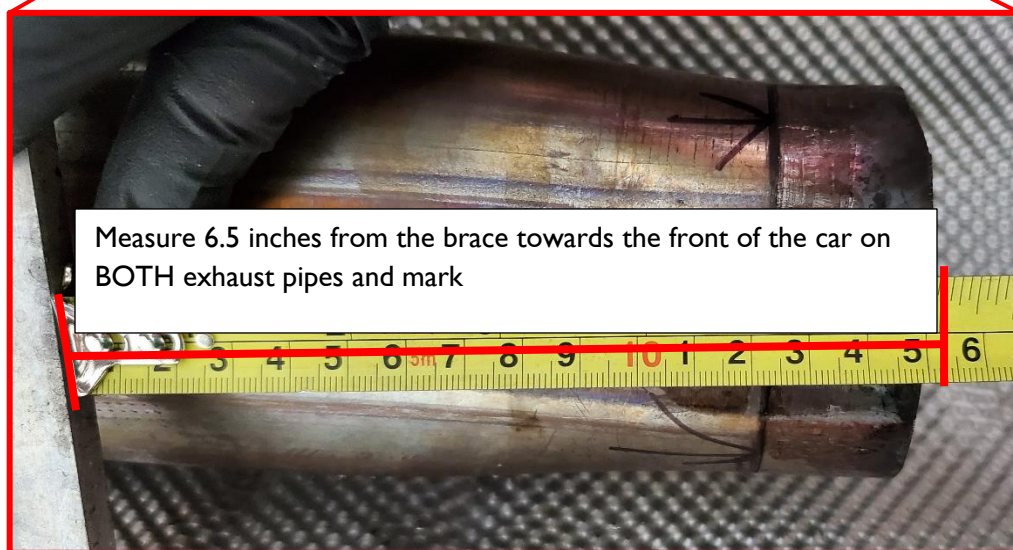
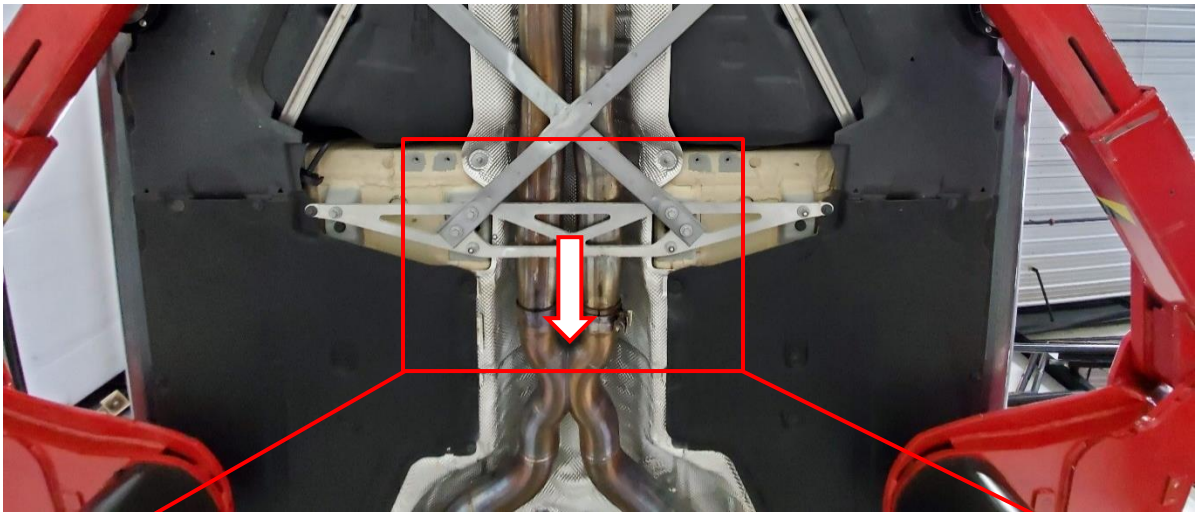
Again, thank you for choosing Dinan. Enjoy.

### Parts List:

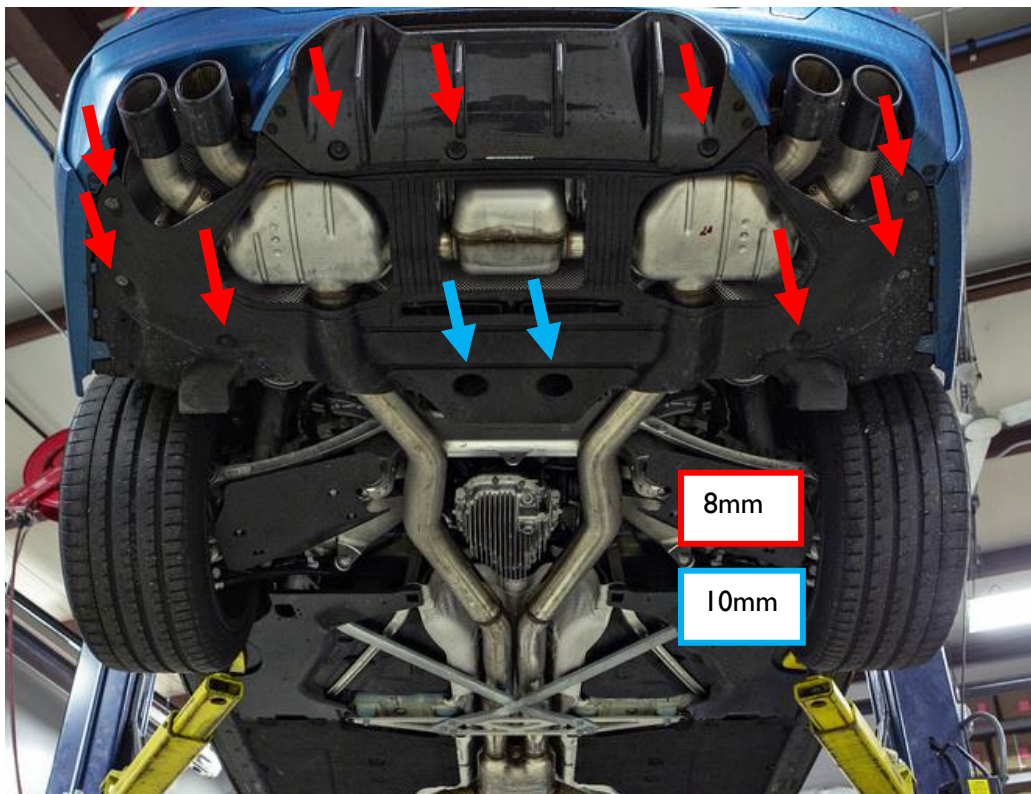
Quantity	Part #	Description
1	D662-0598	X-Pipe Assembly; F90 M5
2	D662-9245	80mm Exhaust Clamp
4	D663-9247	80mm Clamp with Washers

### Removal of Stock System

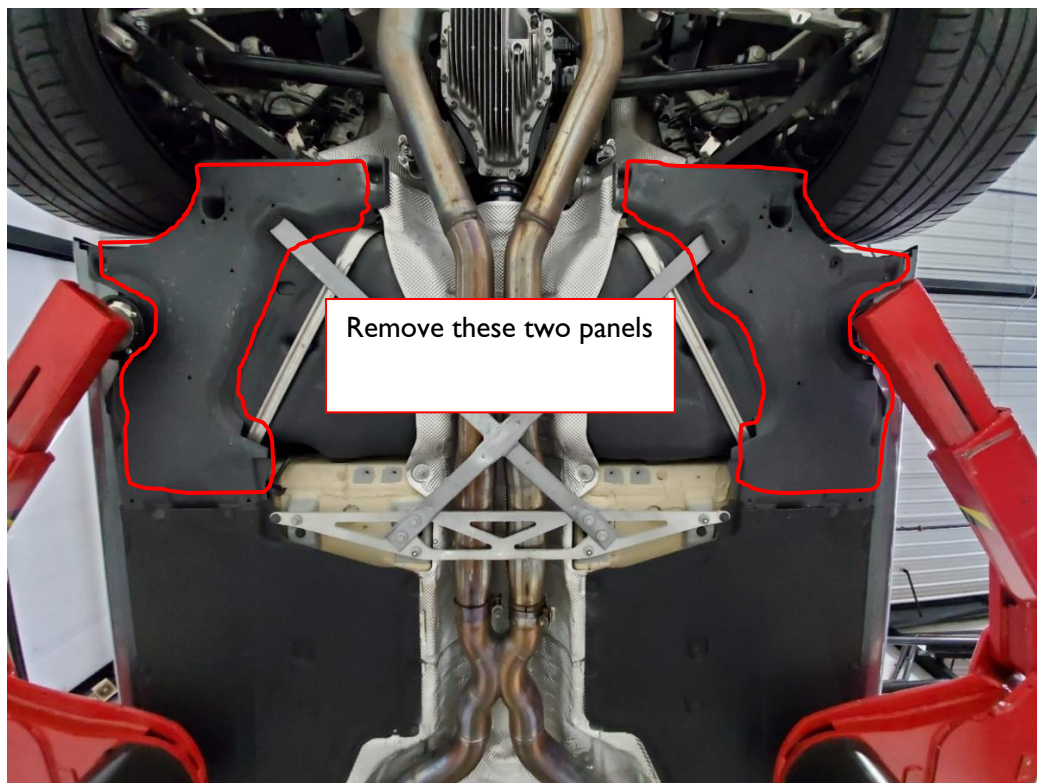
- 1) Under the car, measure 6.5 inches from the brace towards the front of the car and mark the pipes.



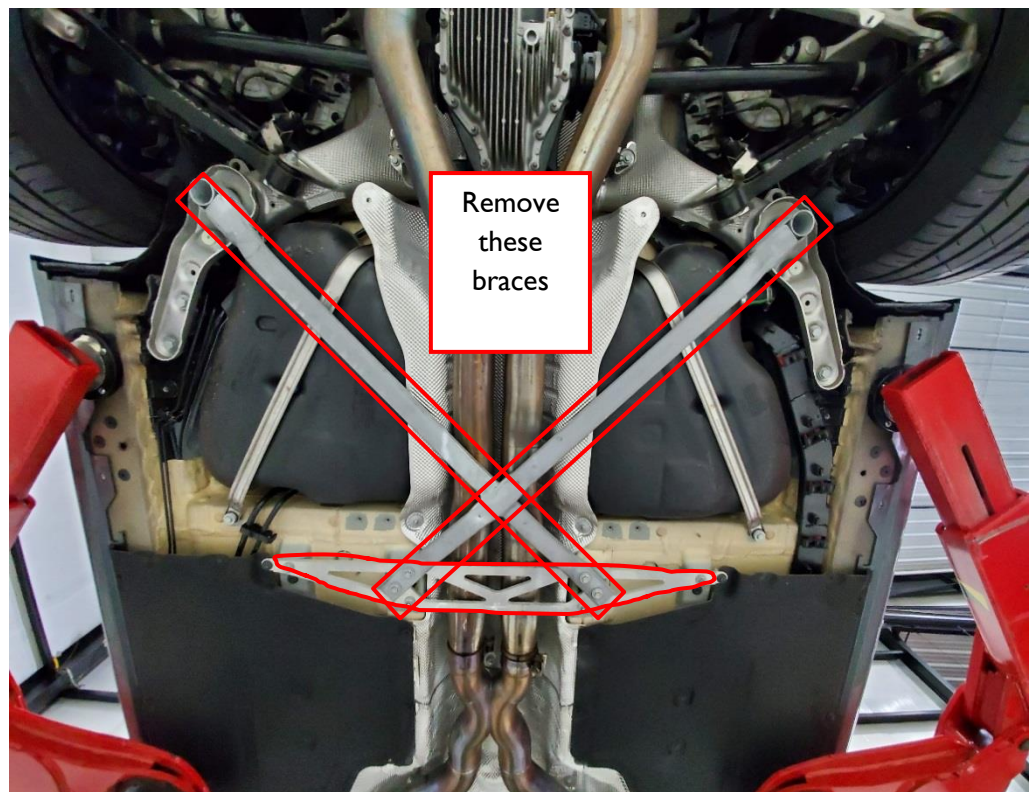
- 2) Remove the exhaust shield and place it to the side. There are nine 8mm bolts and two 10mm bolts that must be removed.



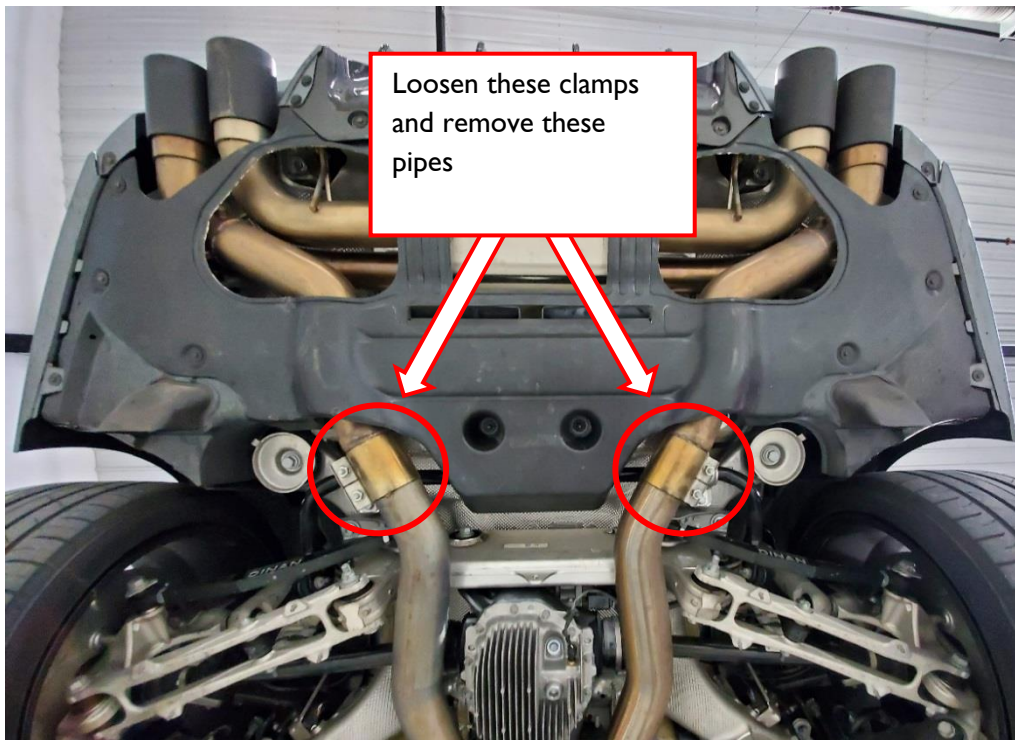
- 3) Remove the plastic paneling from the middle of the underside of the car.



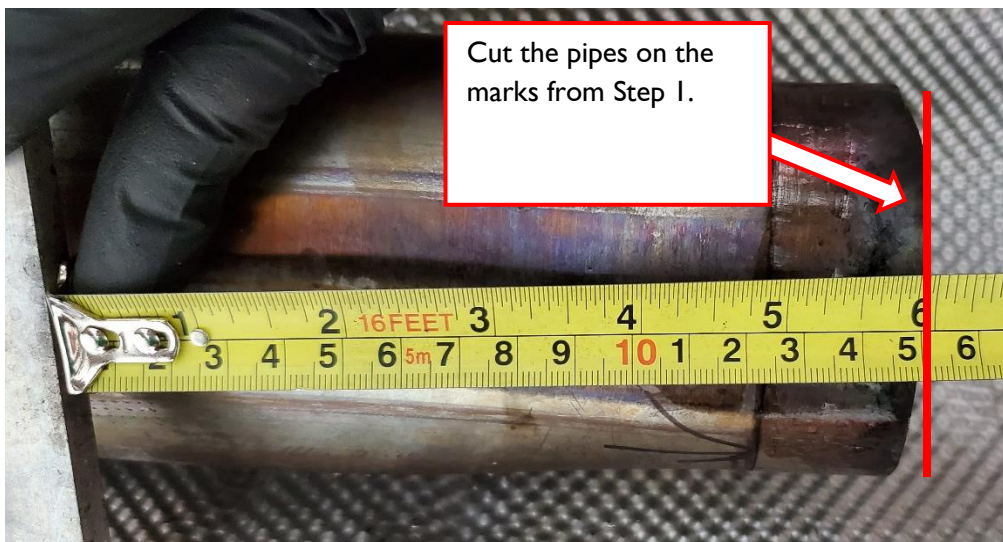
- 4) Remove the rear braces and the stock muffler. If you have a Dinan Muffler, proceed to Step 5 after removing the braces.



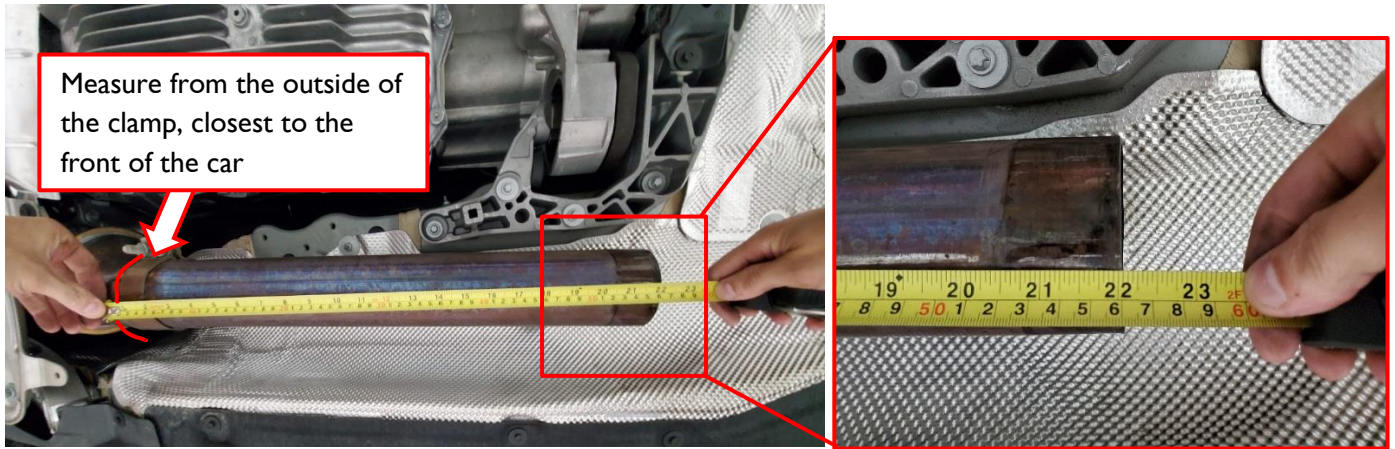
- 5) For the Dinan Muffler, after removing the rear braces in Step 4, remove the rear pipes by loosening these clamps.



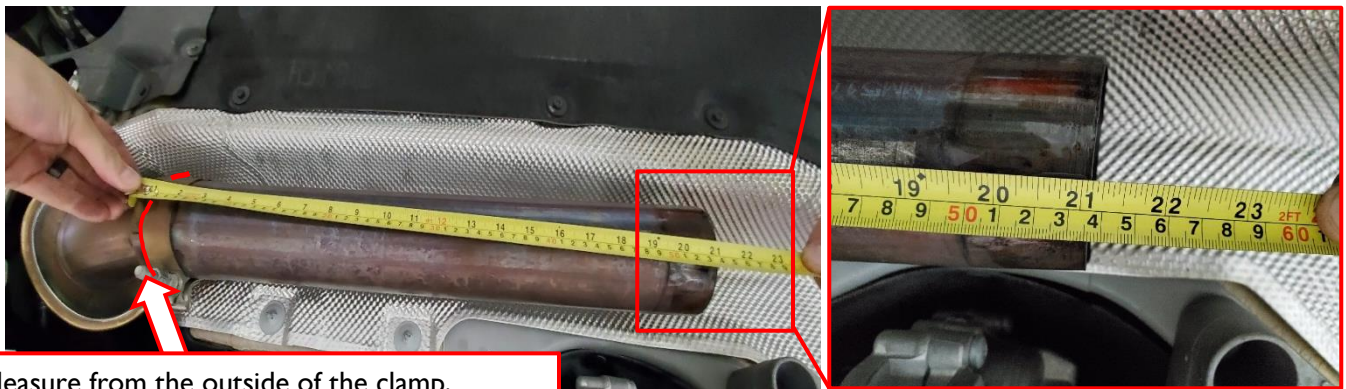
- 6) Support the exhaust and prepare to cut it in four places.  
7) Cut both of the pipes on the marks you made in Step 1.



- 8) Behind the downpipe on the front passenger side, cut the outlet pipe 22 inches from the farthest side of the clamp.

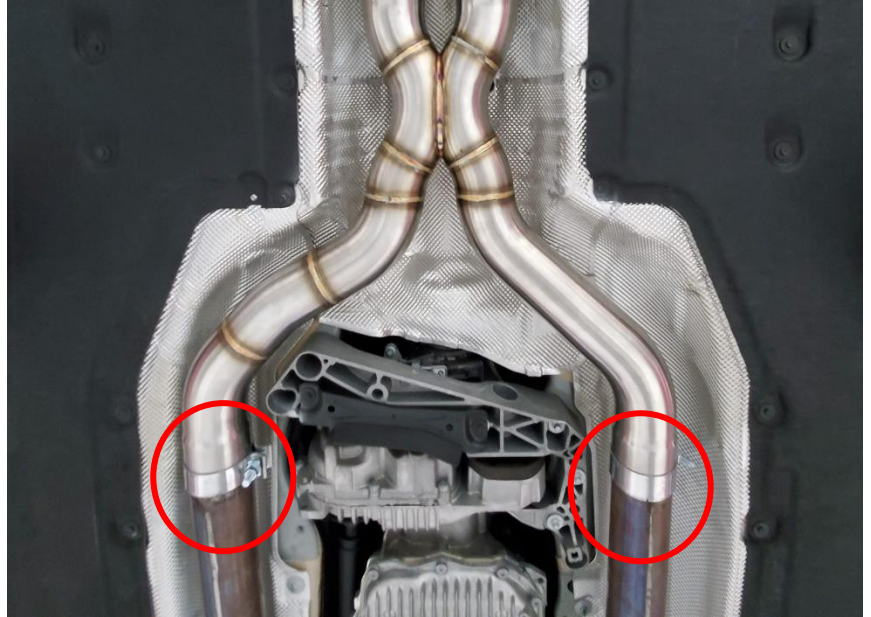


- 9) On the front driver's side, cut the other pipe 21 inches from the farthest side of the clamp.

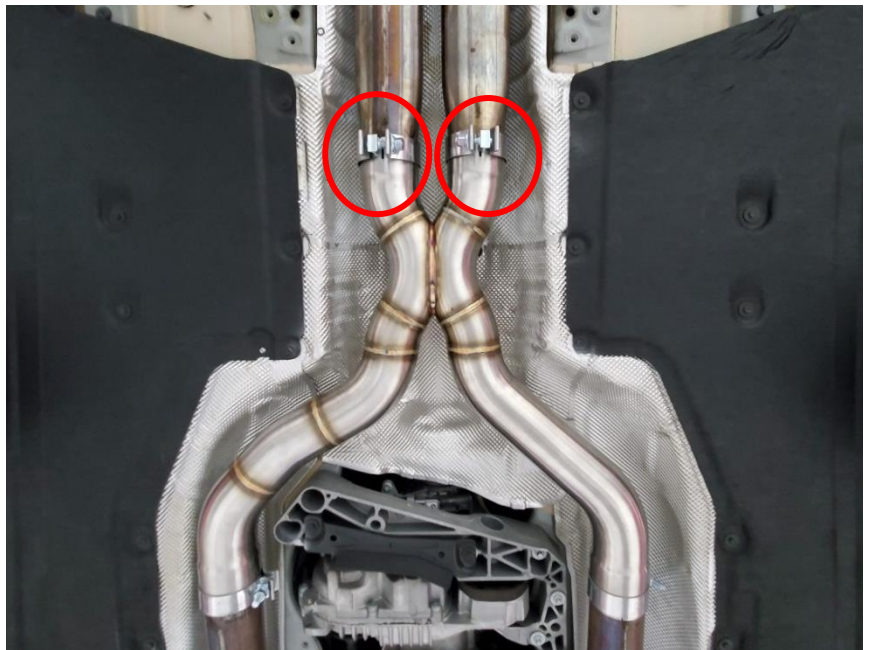


## Installation of Dinan System

10) Install the X-Pipe, attaching it to the front of the car first. Do not fully tighten these clamps, only tighten them enough to secure the X-Pipe in the car.

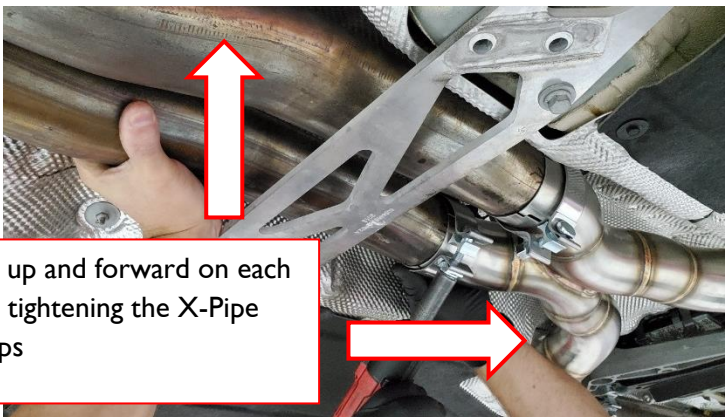


11) Ensure the clamp orientation matches the photos below. Reinstall the rear pipes and/or rear muffler section you removed in Steps 4 or 5 and attach it to the X-Pipe. Do not fully tighten the clamps attached to the X-Pipe.



12) Once all of the exhaust system is reinstalled, push forward, up on the rear section of the exhaust, and tighten the X-Pipe Clamps per the torque specs below.

- Clamps with 10mm bolts = 45Nm (33 ft-lbs)
- Clamps with 11mm bolts = 68Nm (50 ft-lbs)



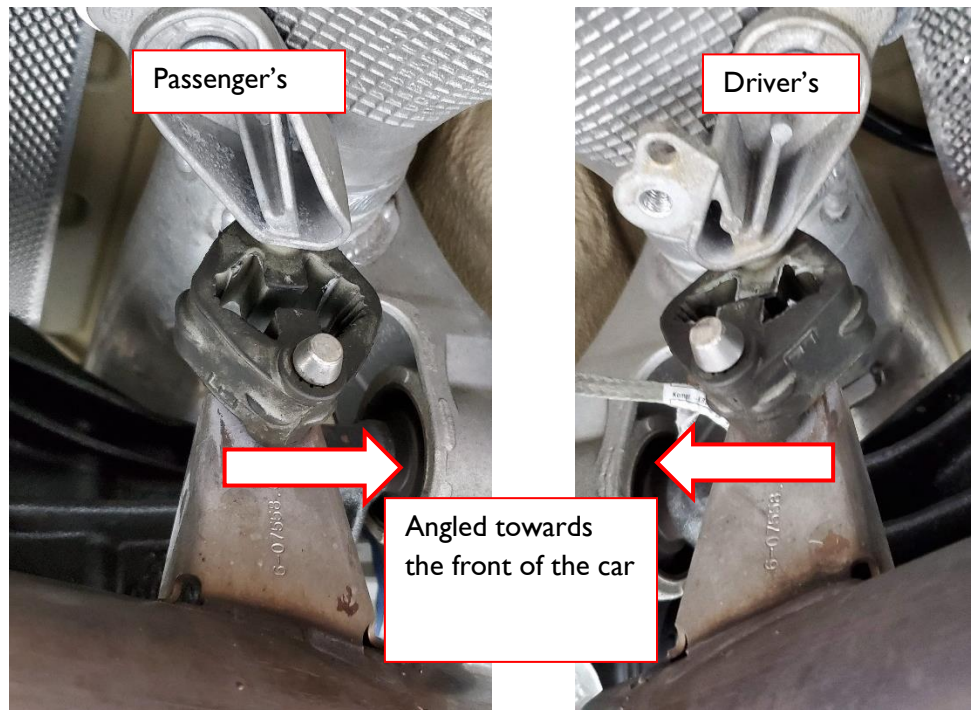
Push up and forward on each pipe, tightening the X-Pipe clamps



- 13) After tightening the clamps, ensure the exhaust system has proper clearance over the brace as pictured. It should be approximately a  $\frac{1}{2}$  inch of clearance between the pipes and brace.



- 14) Once the X-Pipe is installed, make sure the rear pipe hangers are pushed slightly forward to allow for exhaust travel. If they are not, loosen the clamps, push the muffler forward and retighten the clamps.



- 15) Ensure the muffler fitment is correct and make any adjustments as needed by twisting or pushing the muffler and adjusting the clamps.
- 16) Reinstall all panels and braces according to BMW specifications.