

Installation Instructions

**D660-0087: F97/F98
RESONATOR DELETE**

Vehicle Application List:

**2020-2021 F97 X3M, X3M
Competition**

**2020-2021 F98 X4M, X4M
Competition**

**Document Revision: A
Release Date: July 8, 2021**

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

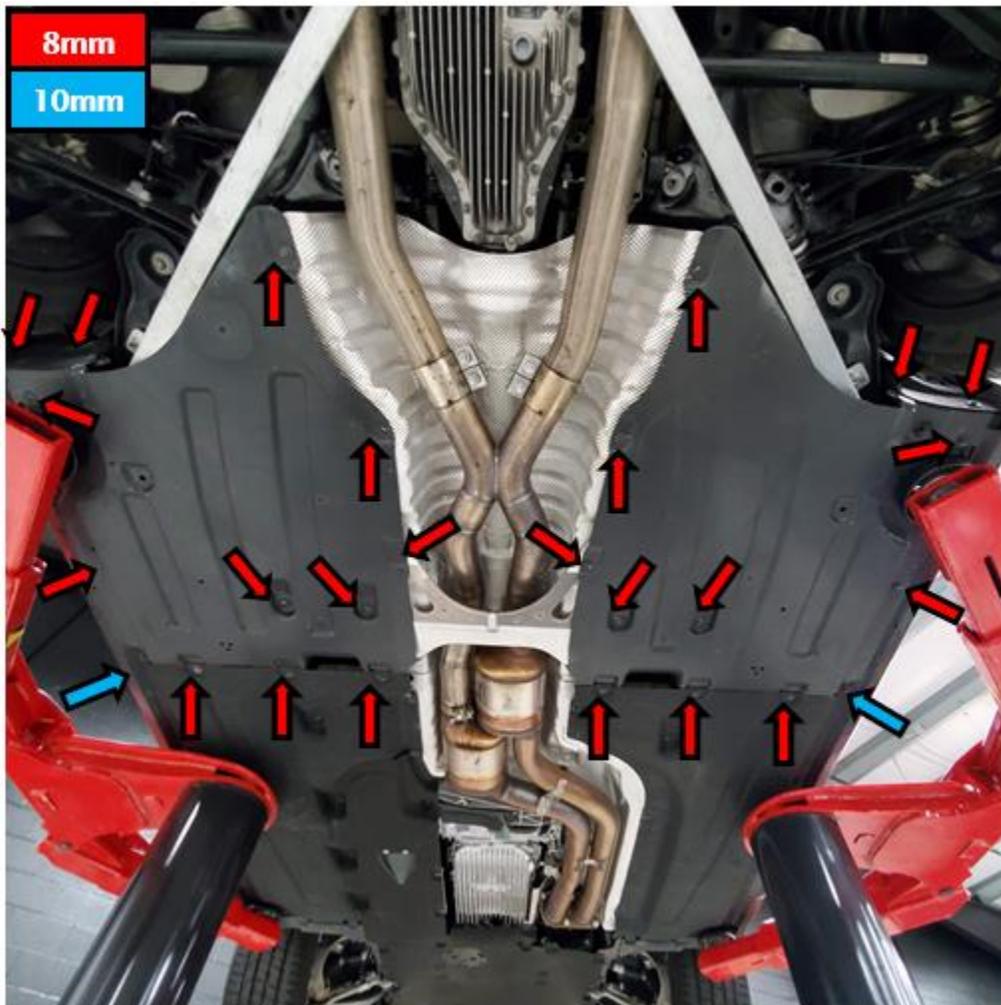
Again, thank you for choosing Dinan. Enjoy.

Parts List:

Quantity	Part #	Description
1	D662-0651	F97/F98 Resonator Delete
1	D663-0378	Hardware Kit
Contains:		
4	MC234BS	2.75" Accuseal Clamp
2	D662-9241	2.75" Torca Clamp

Removing Covers and Braces:

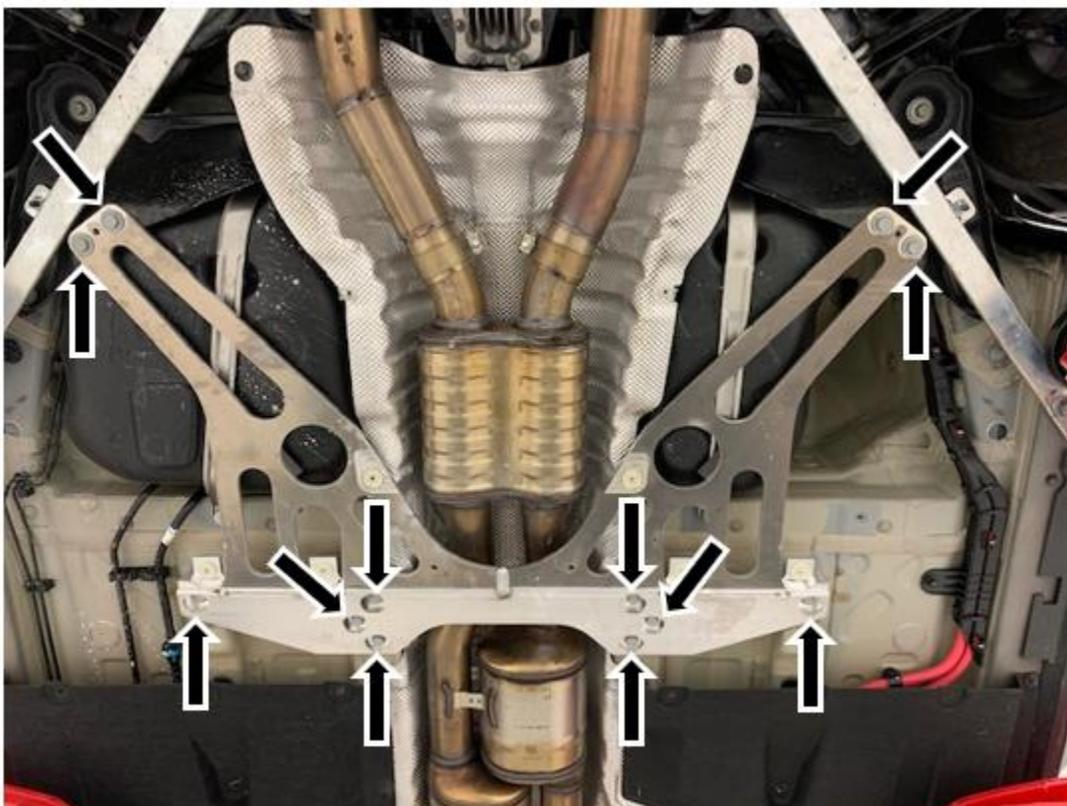
- 1) Remove the 8mm and 10mm hardware for the plastic covers.



2) Remove these 6 bolts from the V-brace and remove the brace.

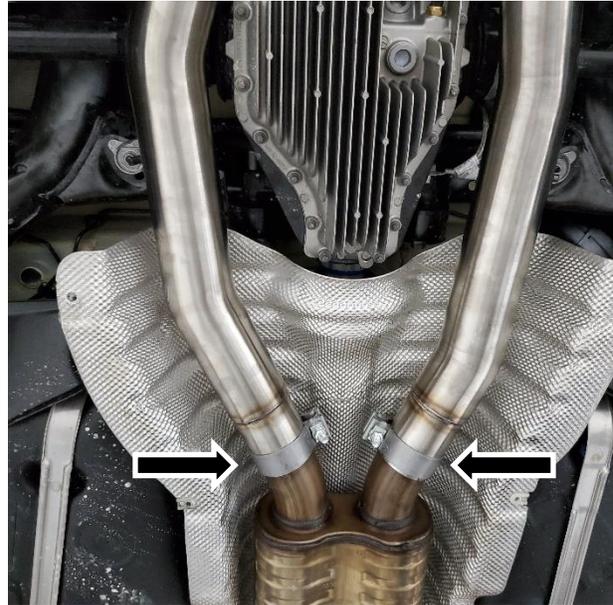
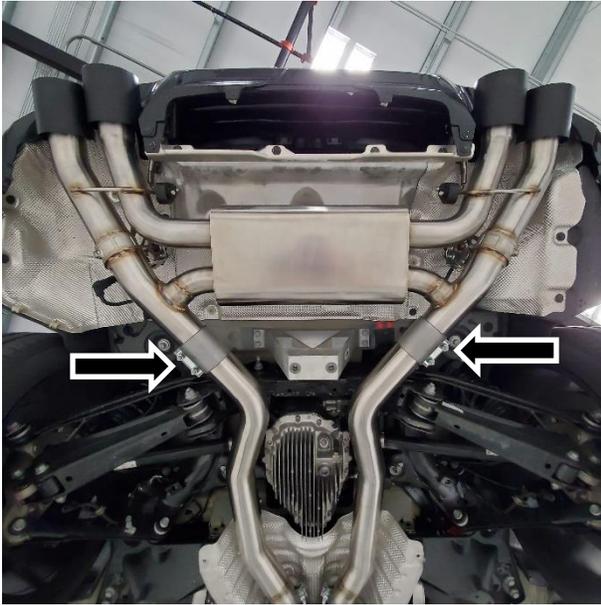


3) Remove these 12 bolts from the center brace and remove the brace.



Removal of Exhaust System:

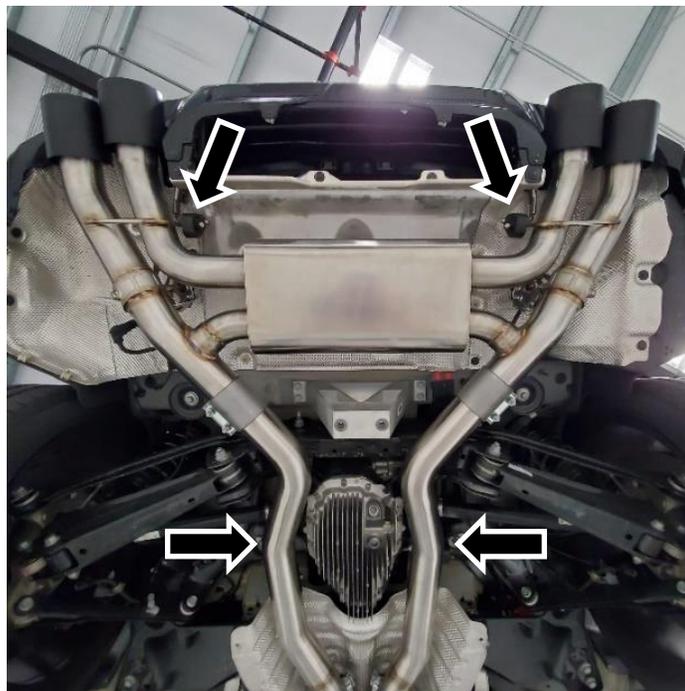
- 1) For the Dinan Muffler, loosen these 4 exhaust clamps and then remove the muffler and inlet pipes. Proceed to Step 2b.



- 2) To remove the stock exhaust.

2a) For the muffler section:

- Unplug the exhaust motors
- Remove the 4 hangers from the rear muffler.

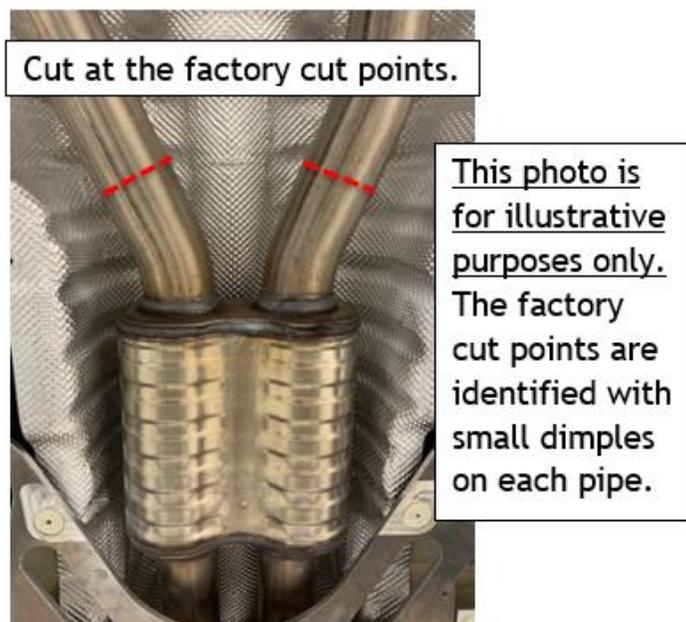


2b) For the rear section:

- Remove the 4 nuts from the downpipe flange.
- Remove the 1 nut from the hanger.

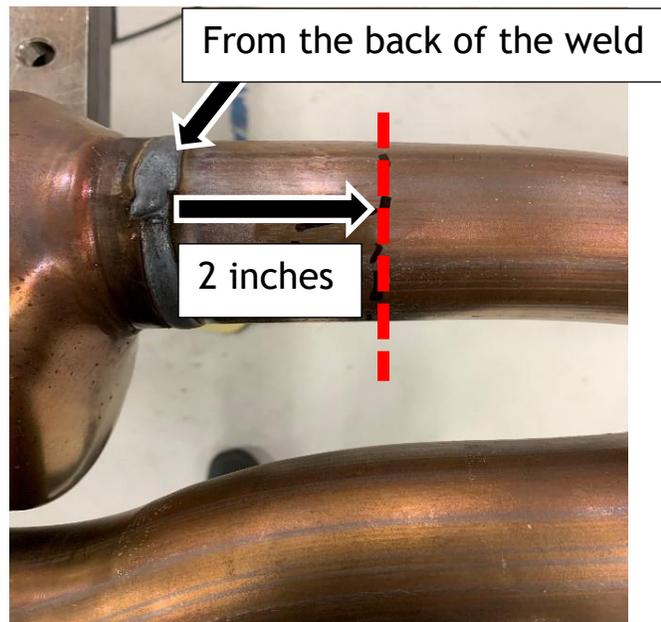


3) If you have a stock exhaust system, once the exhaust is removed, cut the stock exhaust at the factory cut points.



Cutting the Stock Exhaust:

- 1) Going from the backside of the catalytic converter, opposite the downpipe flanges, measure 2" from the back of the weld, and make a mark. Repeat this on both pipes.



- 2) Cut the pipes per the 2 marks you've made. Your exhaust should look like the picture below.



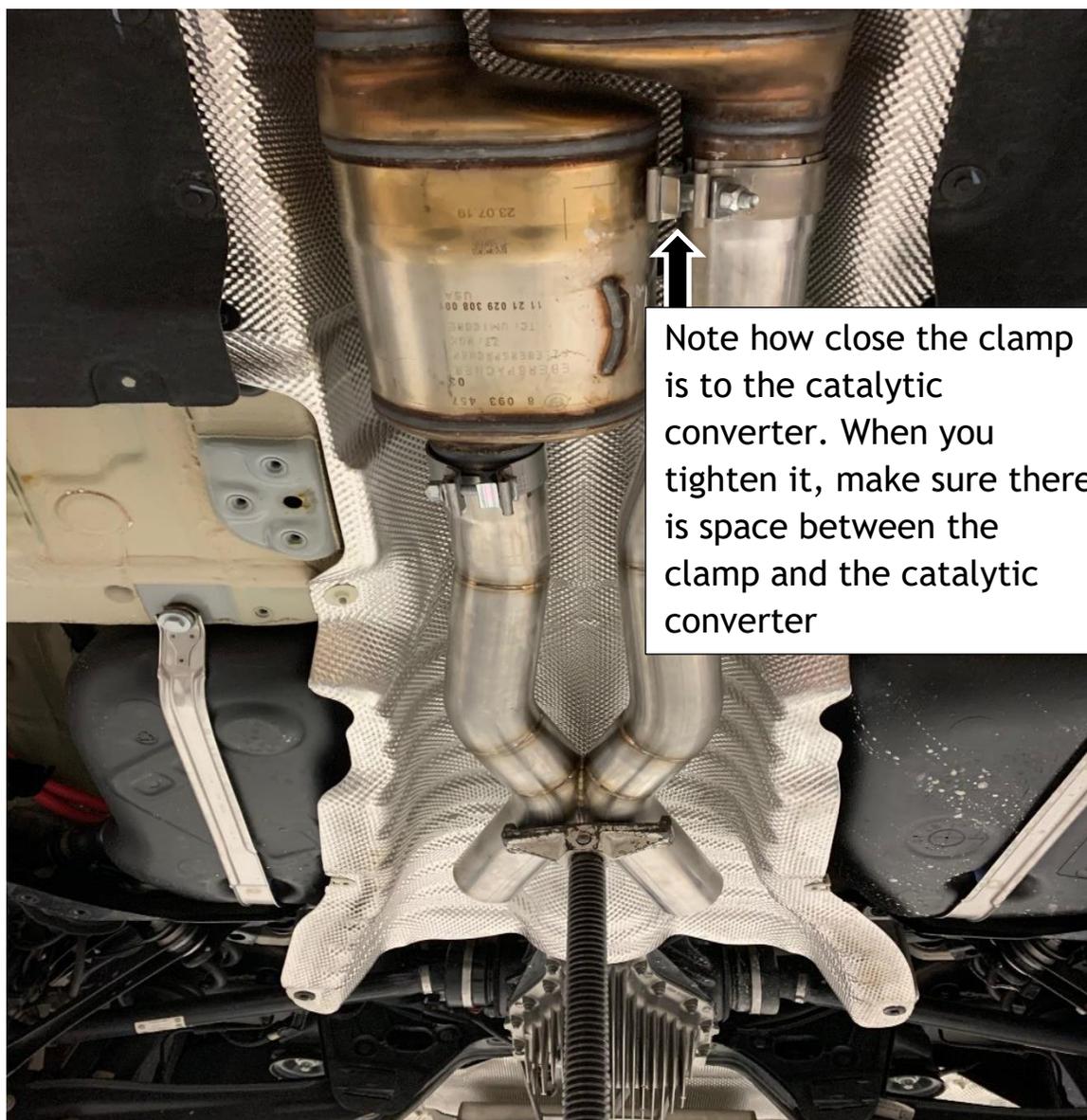
- 3) Cut the bracket that holds both catalytic converters together off. It is recommended to use a cutoff wheel.



- 4) Grind down any sharp edges.
- 5) Reinstall the catalytic converters and torque all hardware to the factory specification listed below.
- 1 - Exhaust Hanger Nut: 6 ft-lbs
 - 4 - Exhaust Bolts: 18 ft-lbs

Installing the X-Pipe:

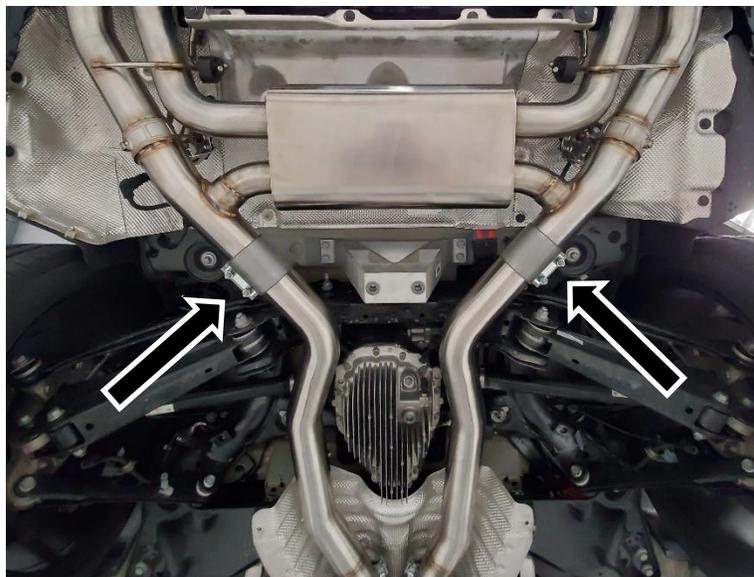
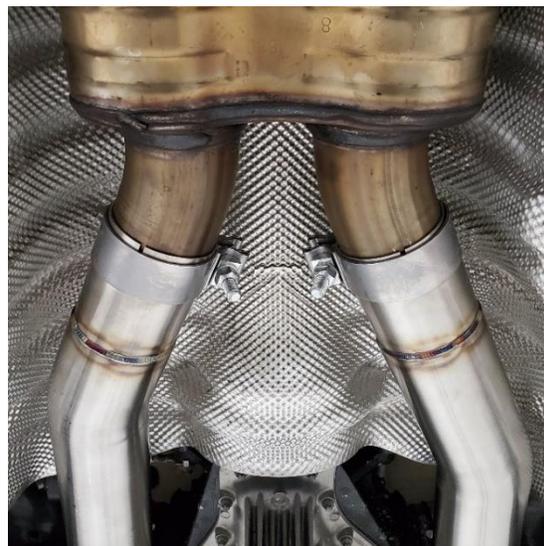
- 1) When installing the X-Pipe, make sure you put the clamps onto the X-Pipe first.
- 2) The driver side clamp needs to be pointing to the driver's side with the bolt facing to the ground.
- 3) The passenger side needs to be pointing to the driver's side with the bolt facing to the ground.
- 4) Slide the X-Pipe onto the catalytic converter pipes and support it in place.
- 5) Push up on the X-Pipe, tighten the clamps.



Reinstalling the Dinan Exhaust:

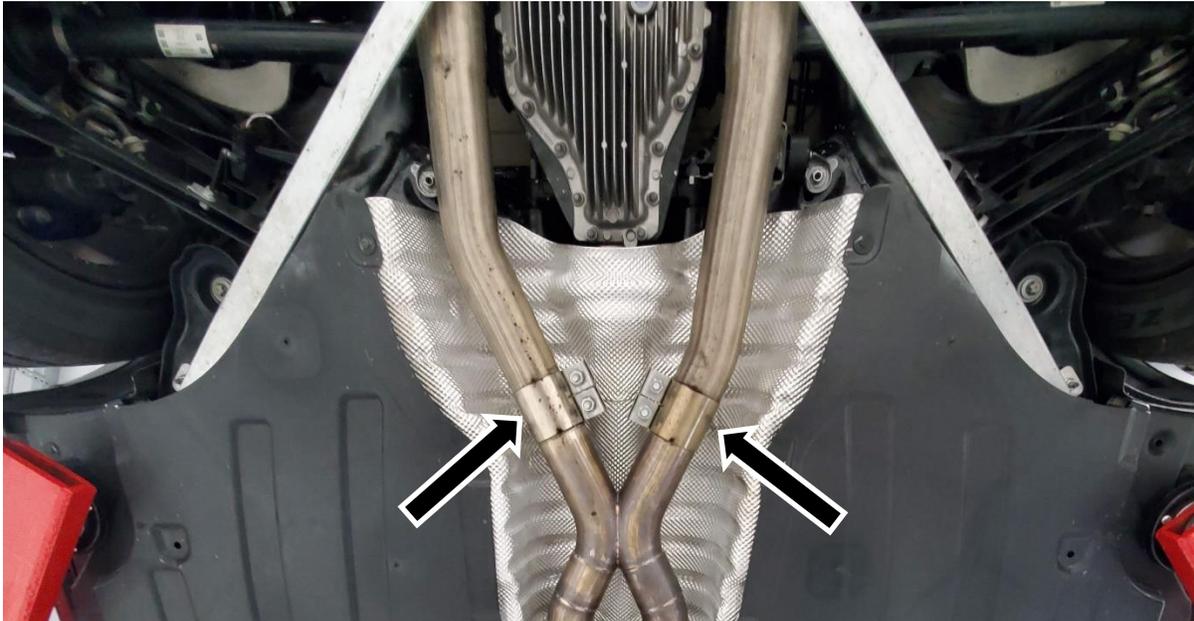
If you have a stock exhaust, proceed to page 10.

- 1) Reinstall the 2 69.9mm clamps on to the inlet pipes. Make sure the bolts point inward and towards the ground as pictured below.
- 2) Install the inlet pipes onto the exhaust.
- 3) Attach the hangers to the car.
- 4) Slide the coupler clamps on to the inlet pipes, making sure the nuts are facing towards the outside of the car as pictured below.
- 5) Lift the muffler into place.
- 6) Attach the hangers to the car.
- 7) Slide the coupler clamps onto the muffler inlet tubes.
- 8) Tighten all clamps and bolts. See page 10 for torque specifications.



Reinstalling the Stock Exhaust:

- 1) Slide the 2 69.9mm double-bolt clamps on to the inlet pipes. Make sure the bolts point inward and towards the ground as pictured below.
 - For easier installation, slide the clamps onto the stock exhaust before reinstalling the exhaust and reattaching the hangers.



- 2) Support the exhaust, reinstall all the hangers, and tighten all clamps.
 - Clamp Torque Specifications:
 - Single-Bolt Inlet Pipe Clamps - 45 ft-lbs
 - Double-Bolt Muffler Clamps - 33 ft-lbs
- 3) Reinstall all braces according to factory specifications.
 - V-Brace Torque Specifications:
 - 12mm Bolts - 74 ft-lbs
 - 8mm Bolts - 20 ft-lbs
 - Cross Brace Torque Specifications:
 - All bolts - 26 ft-lbs