



## **Free Flow Exhaust Installation Instructions**

PART NUMBER    D660-0027 (E92 & E93)  
                          D660-0028 (E90)

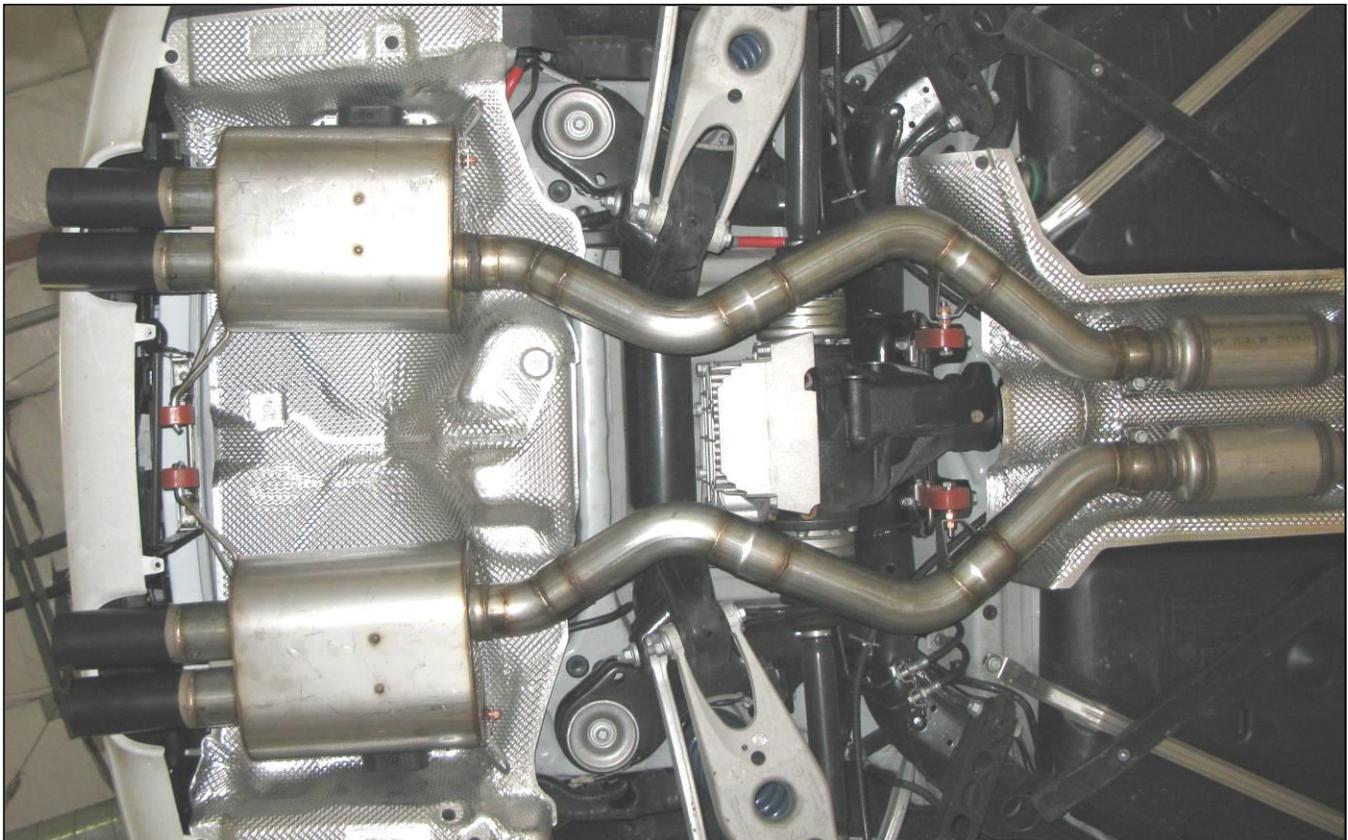
APPLICATION:    2008-13 M3

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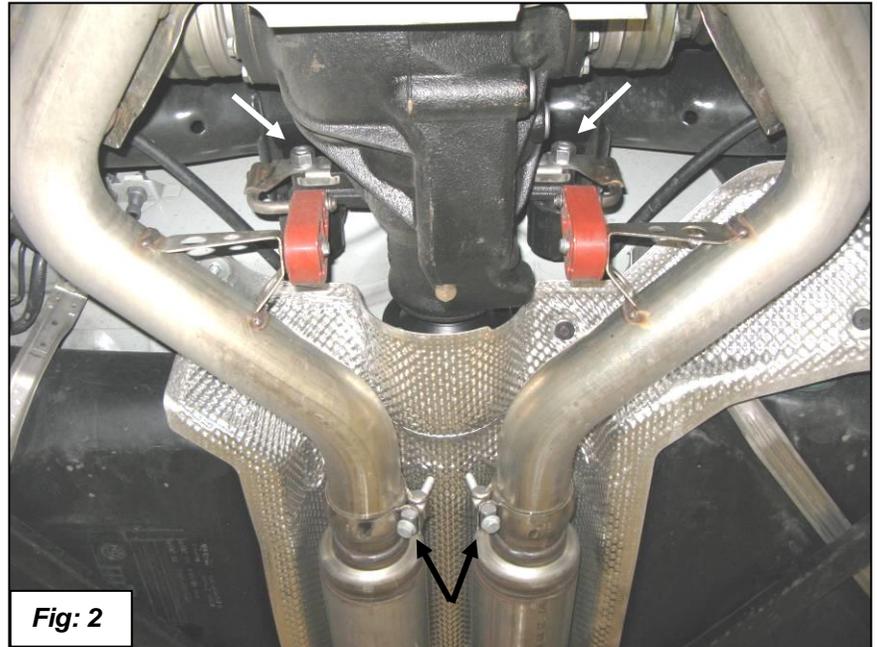
Thank you for purchasing a Dinan High Performance Muffler! Some mechanical skill is required to install this muffler. If you are not familiar with this procedure, we strongly recommend that you arrange for a qualified BMW repair facility to perform this installation.

### **INSTALLATION:**

- I.     There are two individual Dinan mufflers to replace the single stock muffler.

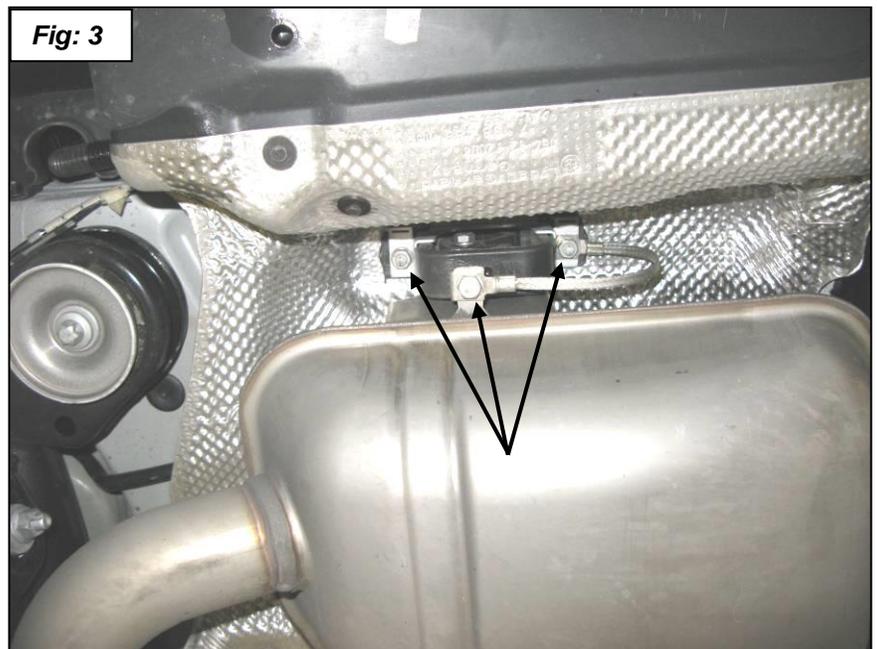


2. The exhaust tips are different lengths between the E90 & E92/E93 Dinan M3 exhausts. Measure the tips to confirm that you have the correct mufflers:
- E92 & E93 tips are 10.4" and 10.9" long.
  - E90 tips are 8.7" and 9.2" long.



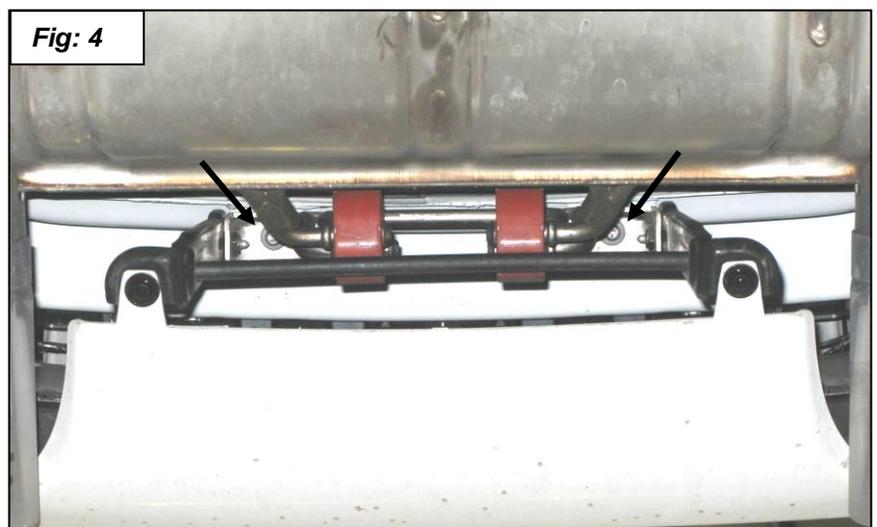
3. Support the stock muffler with a jack or stand.

4. Loosen the clamp bolts shown in figure 2 and slide the clamps back onto the resonators.



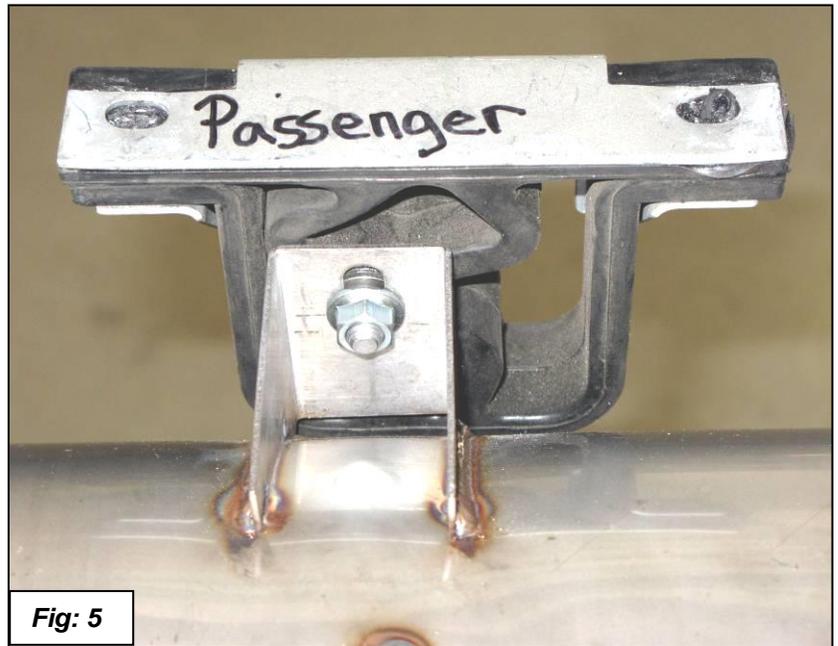
5. E93 ONLY: Remove the underbody reinforcement straps.

6. Remove the stock muffler by unbolting the rubber hanger mounts from the car. Remove the two nuts holding the hangers to the differential as shown in figure 2.



7. Look at step 10 before doing this step. Remove the two nuts holding the side hangers on each side of the car as shown in figure 3 (one side is shown). Remove the grounding straps.

8. See figure 4. Remove the two screws holding the bumper skin to the bracket. Remove the two nuts or bolts holding the bracket hanger assembly to the car.
9. Have someone help you remove muffler from car.
10. Remove the side hangers from the muffler and bolt to the new mufflers with the supplied nuts as shown keeping them on the same side in the same direction. See figure 5.
11. Mark driver and passenger on the rear muffler hangers. Remove the rear bracket hanger assembly from the muffler by pulling them off the wire hangers on the muffler. Bolt the assembly back onto the car keeping it in the same direction that it came off. The old style car is installed in the opposite direction from the new style car. See figures 6 and 7.
- 12.

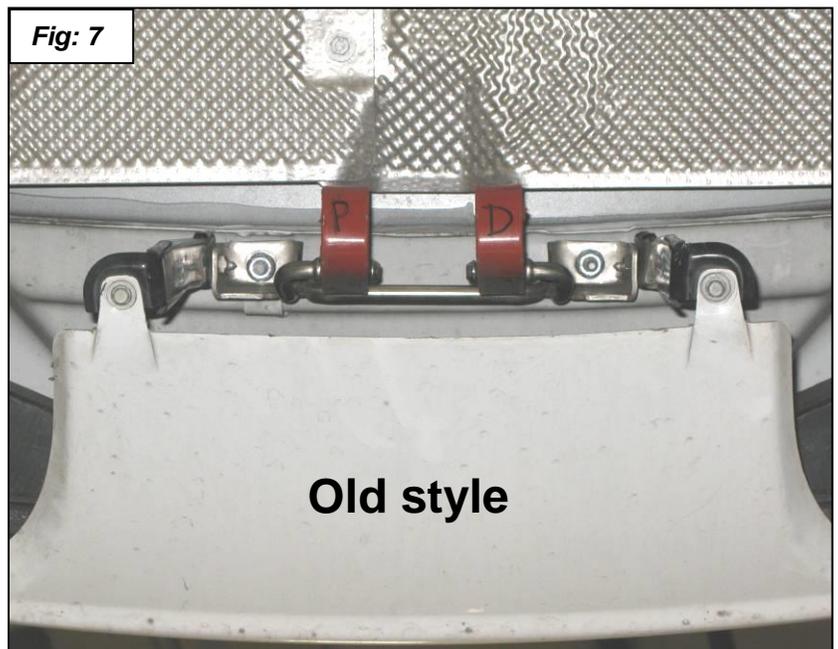


**Fig: 5**



**Fig: 6**

**New style**



**Fig: 7**

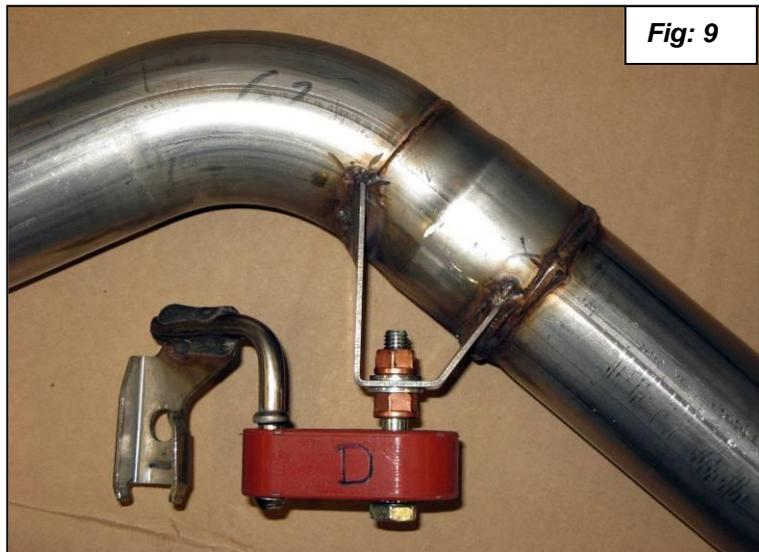
**Old style**

12. Remove the front rubber hangers with mount from the stock mufflers by pulling them off the wire hangers on the muffler. Insert the 10mm x 65mm bolt as shown. Clamp in a vise and run a 10mm copper locknut down to the bottom of the threads. Install onto the front brackets on the mufflers and install the second copper locknut with a washer on both sides of the bracket and tighten. See figures 8 and 9.



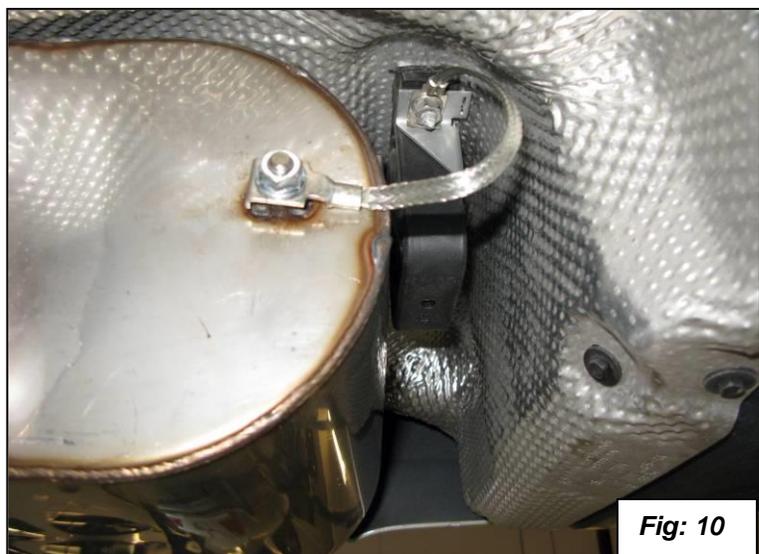
**Fig: 8**

13. Install each muffler by pushing the rear hanger rod on the muffler into the hangers you installed in step 9 and rotate the muffler into position. Attach the side hanger on the car with just the front nut for now. Attach the ball socket onto the resonators and place the clamp over it just snug for now. Attach the front hangers to the differential and torque to 35Nm (26 ft-lbs.). Install the rear side hanger nut with the ground strap as shown in figure 10. Adjust the muffler for best fit centering the exhaust tips in the bumper cut out. Tighten the clamp on the ball socket.



**Fig: 9**

- 14.



**Fig: 10**

14. E93 ONLY: The underbody reinforcement straps must be spaced downward to clear the Dinan exhaust. When reinstalling these straps, insert the spacers included in the D663-0138 E93 M3 Hardware Kit between the straps and the underbody of the car (the stock bolts may be reused in all locations).
  - The single round spacer is for the attachment in the rear.
  - The two plates are for the front attachments.
15. Visually inspect the muffler. Check for at least ½" clearance in all areas. You can bend the heat shields slightly if needed.

Happy Motoring!

## PARTS LIST

<u>Qty</u>	<u>Part No.</u>	<u>Description</u>
1	D663-0117	Left Muffler Assembly
1	D663-0118	Right Muffler Assembly
1	D663-0138	E93 M3 Hardware Kit
	Contains:	
	2 D662-0184	Front Spacer
	1 D662-0185	Rear Spacer
1	D663-0034	Hardware Kit
	Contains:	
4	18 30 1 737 774	10mm Copper Nut
4		M10 Flat Washer
2		M10 x 65 Bolt
4		M8 x 12 Flange Nut