



Free Flow Exhaust Installation Instructions

PART NUMBER D660-0047(-BLK); for cars without M-Performance
Rear Valence
D660-0048(-BLK); for cars with M-Performance
Rear Valence

APPLICATION: 2014 M235i (F22)

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. The Dinan muffler is relatively easy to install. It fits the same as a stock replacement muffler would.



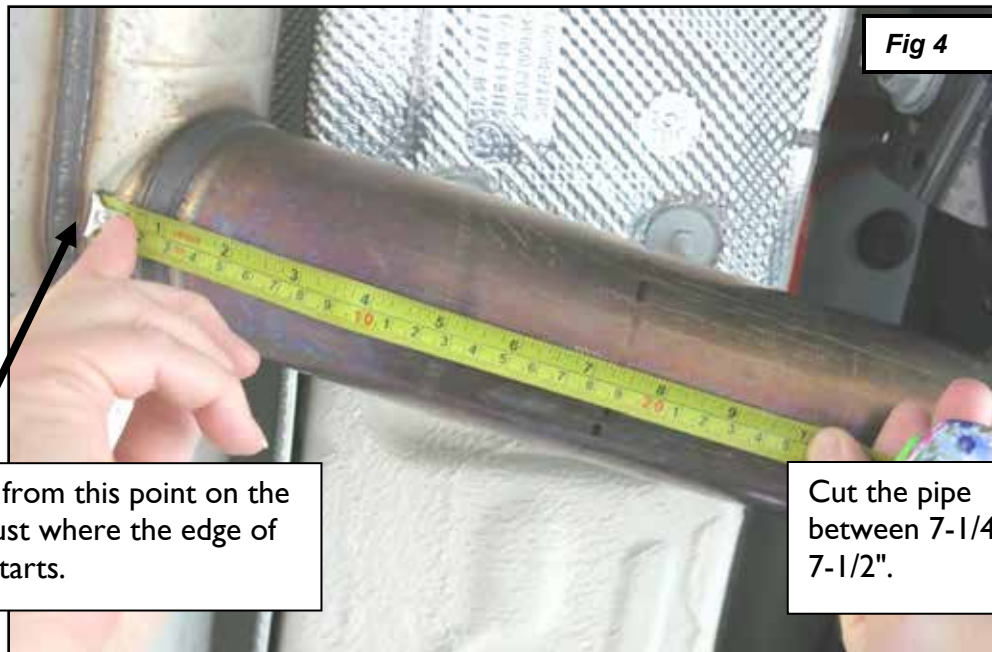
2. Unplug the wire harness from the exhaust flapper valve on the driver's side of the stock muffler. Remove the three screws holding the valve actuator to the valve. Remove the wire from the clips holding the wire to the side cover.



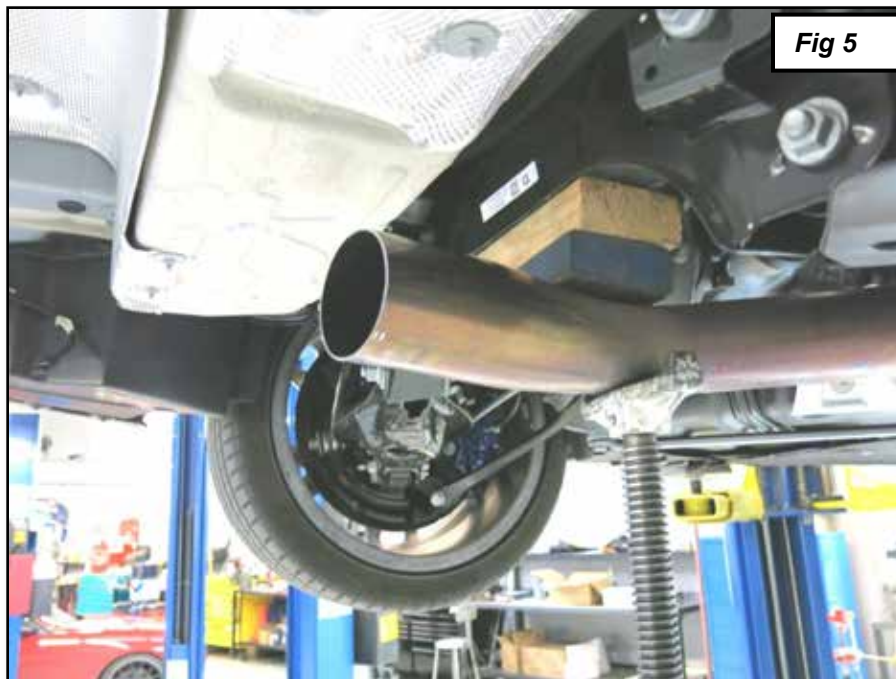
3. Remove the 3 screws and 1 nut holding the left inner body side cover and let it hang down to give you access to a spot to zip tie the valve out of the way as shown in figure 3. Position the actuator with the wire connector down and the shaft pointing to the inside as shown...Plug the wire harness back in, and reinstall the side cover.



4. Most BMWs have a punch mark on the exhaust that shows where to cut the muffler inlet pipe for a replacement muffler, however we have seen M235i's without this punch mark. So measure the inlet pipe to the stock muffler and cut the pipe between 7-1/4" and 7-1/2" as shown.



5. Insert a block of wood between the pipe and the sub frame and clamp the pipe to the wood using a jack to hold the pipe stable while you cut (see figure 5). Use a Sawzall or similar cutting tool. Deburr the pipe!



- Remove the nuts holding the left and right hangers to the body as shown in figures 6 and 7, and remove the muffler.



7. Transfer muffler hangers to new mufflers. Replace rubber hangers as needed. Lift the new muffler into the car and bolt the hangers into place. Torque the hanger nuts to 19Nm.



8. Slide the supplied tube clamp over the inlet pipe. Center and snug up the pipe mounting clamp. When installing mufflers it helps to have someone center and push the tips all the way up in the bumper opening while you tighten the clamp. Check to see that the tips hang evenly on each side (you can influence the height of either side of the tips by loosening the clamp a little and lifting up on the tip that is a little low as you tighten the clamp).
 - o Torque Clamps with 10mm bolts to 45Nm (33 ft-lbs)
 - o Torque Clamps with 11mm bolts to 68Nm (50 ft-lbs)

