



## Free Flow Exhaust Installation Instructions

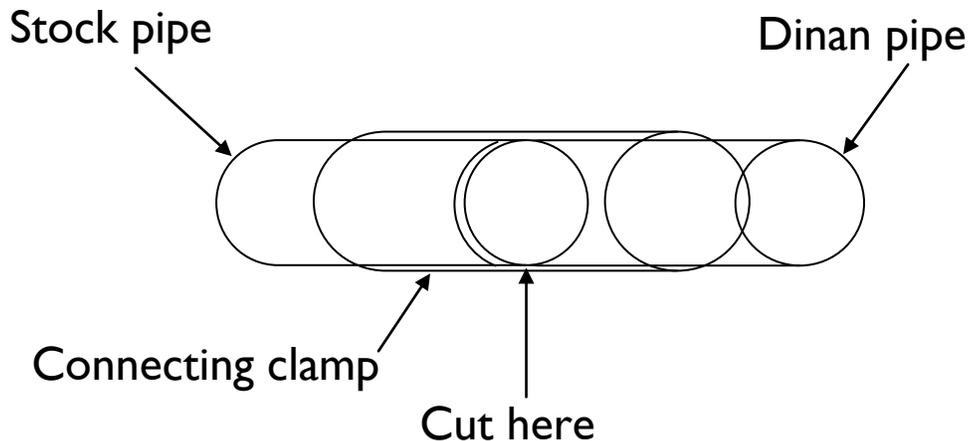
PART NUMBER    D660-0009A (polished tips)  
                      D660-0009A-BLK (black ceramic tips)  
APPLICATION:    2006 > M5

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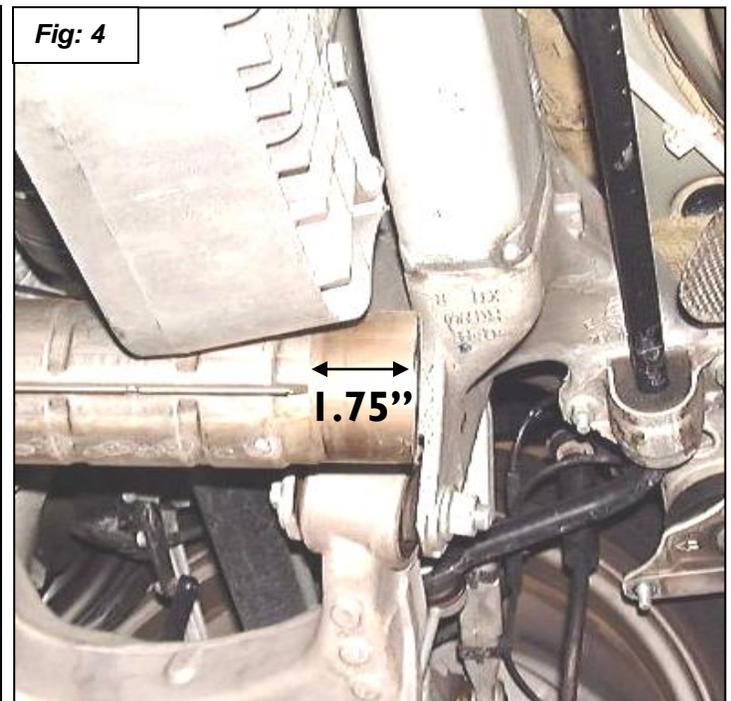
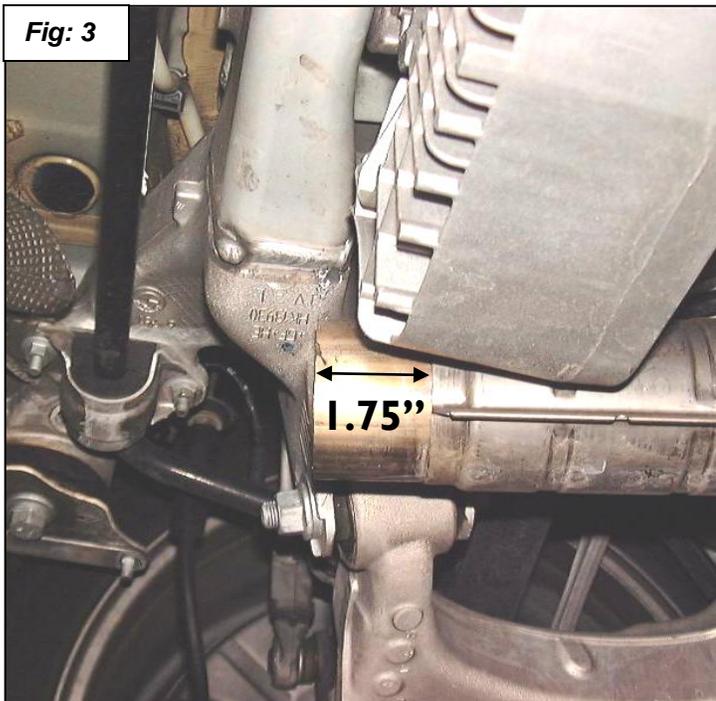
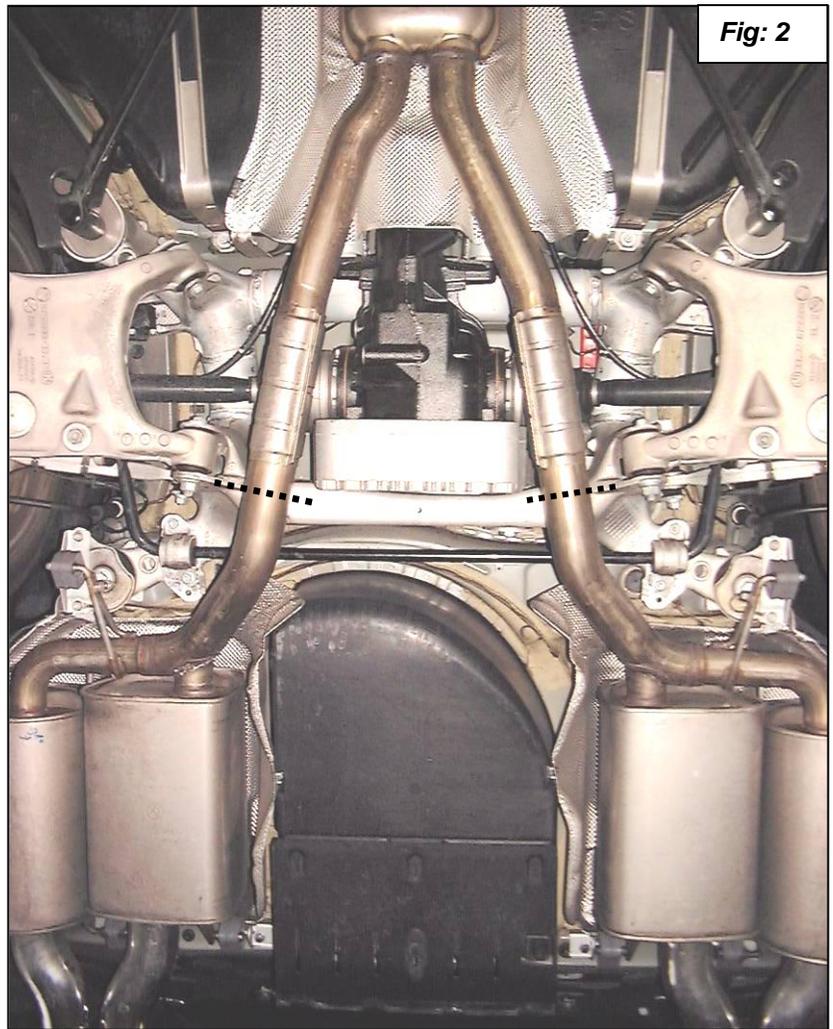
Thank you for purchasing a Dinan High Performance Muffler! Some mechanical skill is required to install this muffler. If you are not familiar with this procedure, we strongly recommend that you arrange for a qualified BMW repair facility to perform this installation.

### **INSTALLATION:**

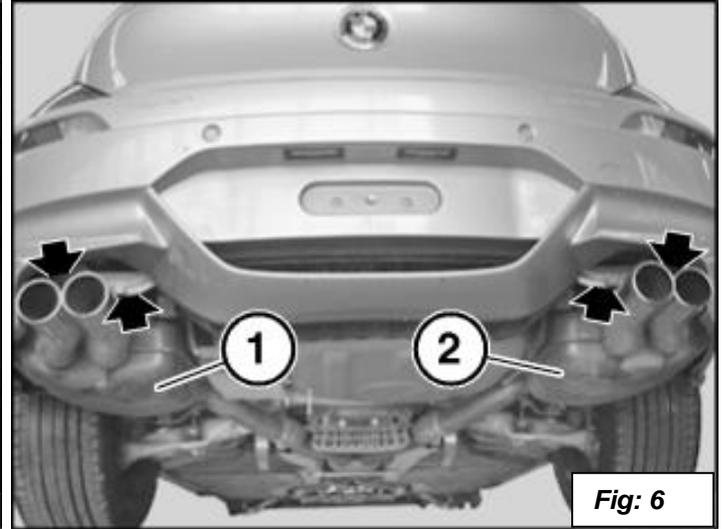
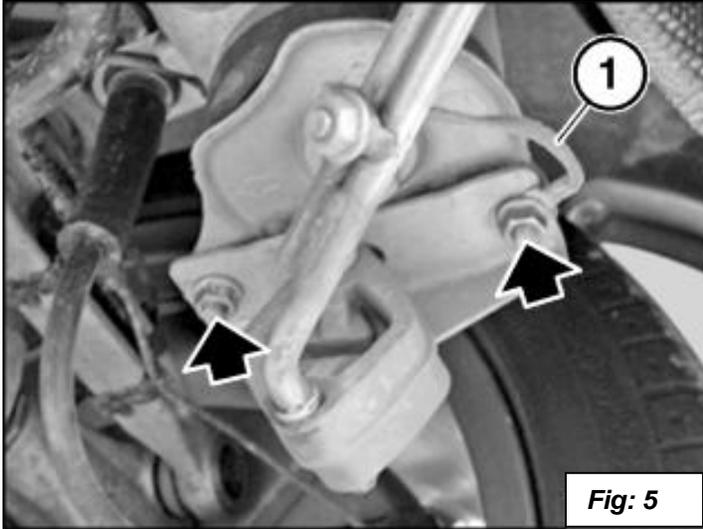
- I. Hold the new Dinan muffler up under the stock muffler. Line up the exhaust tip on the new muffler with the exhaust tip on the stock muffler. The new Dinan Muffler Pipes are a butt fit to the stock pipes with a connecting clamp covering both. Mark the pipes at this point and check the mark position with the measurements in the next step.



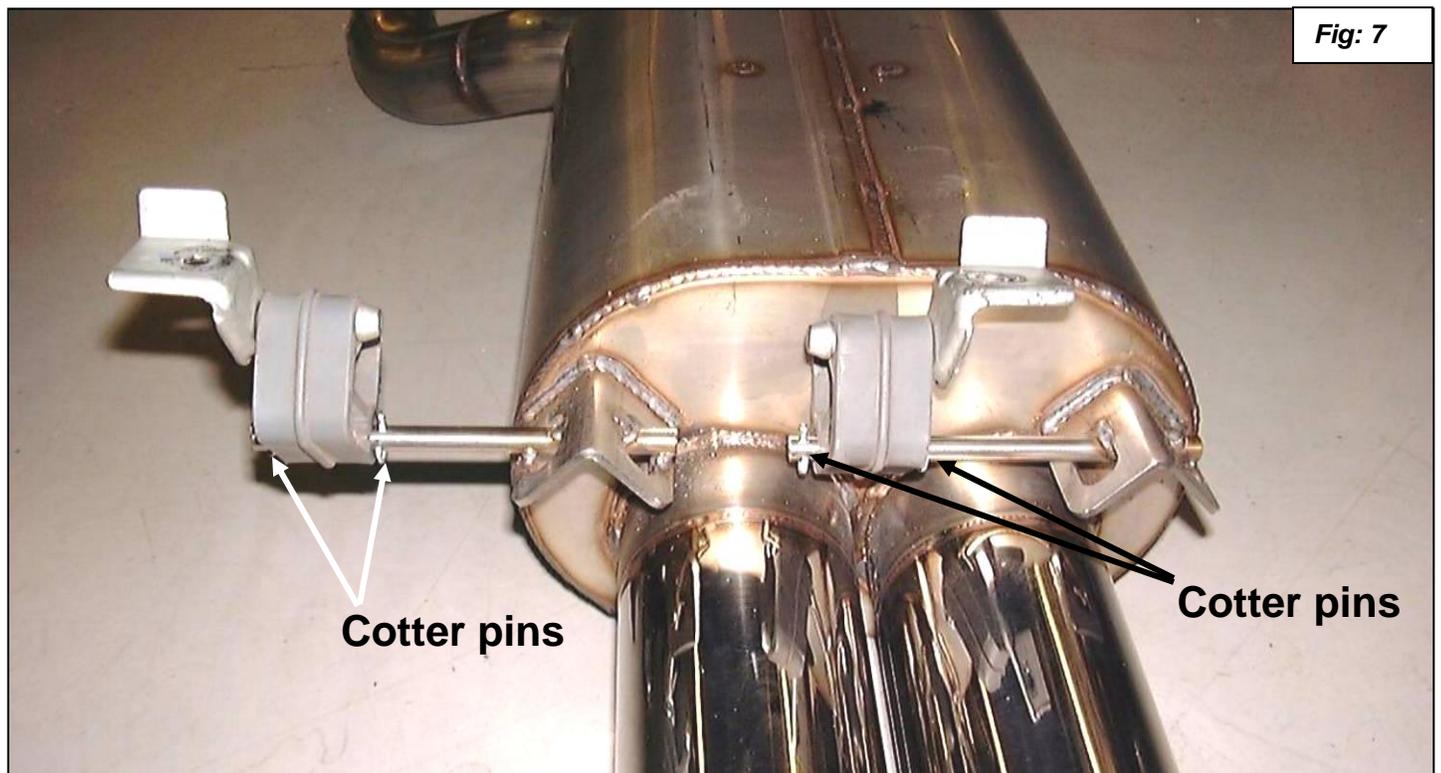
2. Check to see if your marks are about 1.75" from the insulation on the pipe close to the differential. See figures 2, 3 & 4.
3. When you are confident you have the mark in the right place, cut the pipes. (Be careful not to cut into any surrounding parts.)
4. Deburr the inside of the stock exhaust on the car and clean the outside surface to ensure a good seal.



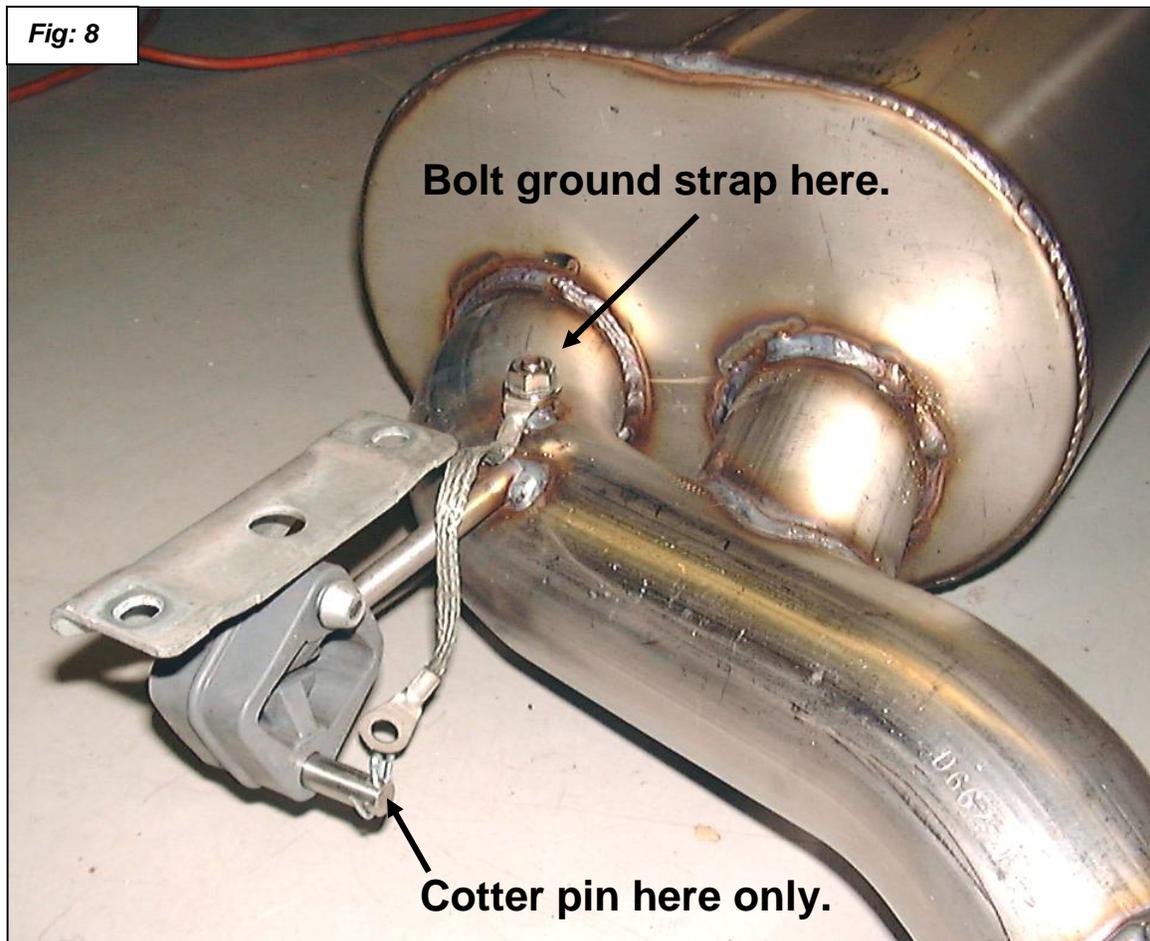
5. Remove the stock mufflers **(1)** and **(2)** shown in figure 6 by unbolting the rubber hanger mounts from the car. The two Front hangers are held in place with two 13mm nuts. They have a ground strap **(1)** attached that needs to be transferred to the new mufflers. See figure 5. The rear hangers are each held on with a single nut as pointed out in figure 6.



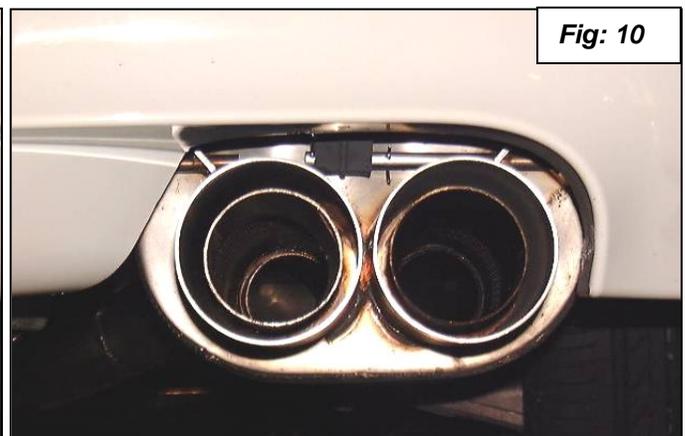
6. Remove the rubber hangers with mounts from the stock mufflers by pulling them off the wire hangers on the mufflers.
7. Install the rear rubber hangers with mounts onto the new mufflers as shown figure 7. Install a cotter pin on each side of the rubber hangers.



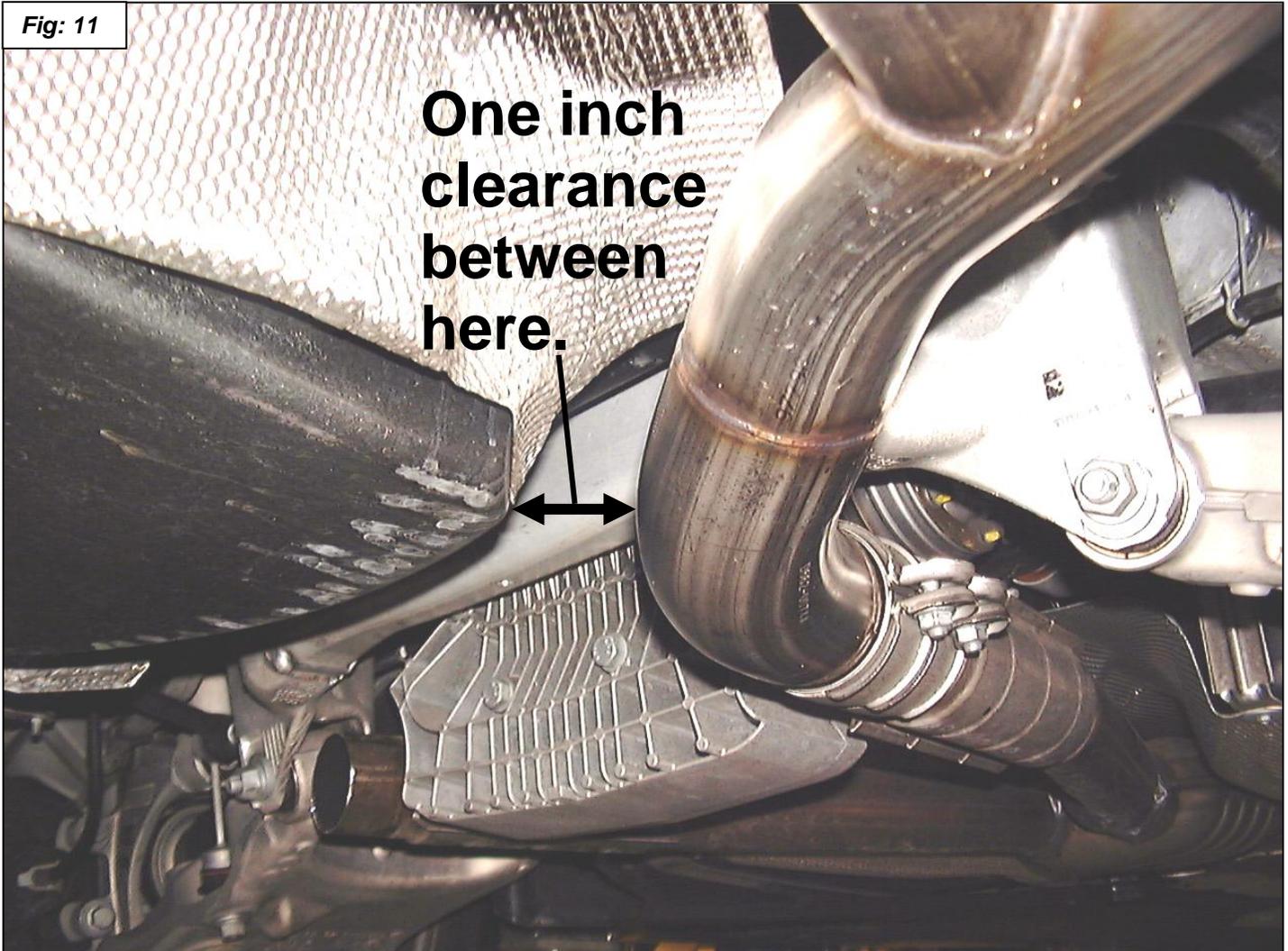
8. Install the front hangers onto the mufflers as shown in figure 8. Install a cotter pin in the outer hole only. Bolt the ground strap as shown.



9. Slide the connecting clamps over the Dinan mufflers and stock tubes as you place mufflers in position.
10. Secure the muffler by attaching the muffler hangers to the car. Adjust the muffler for best fit centering the exhaust tips in the bumper cut outs. Don't forget to hook up the ground strap to the hanger bolt. Torque the hanger mounting nuts to 30nm or 22ft-lbs. See figures 9 and 10.



- II. Visually inspect the muffler. Check for at least ½” clearance in all areas and 1” in the rearward direction to allow for the exhaust system to grow in length. You can bend the heat shields slightly to help you get this clearance. See figure 11. Tighten the connecting clamps to the specs below, as you make sure the tips stay centered.
- For 8mm bolts –torque to 22 ft-lbs.
  - For 10mm bolts – torque to 45 ft-lbs.



Happy Motoring!