

## SharkWerks 991 GT3 Sport Exhaust Installation Instructions

### Package Contents:

1x Shark Werks Muffler Bypass  
2x 3 inch t-clamp  
2x 2.5 inch t-clamp  
2x 2 inch t-clamp  
3x M8 1.25 stainless bolts  
3x large stainless washers

**NOTE: Before removing any nuts you must lubricate the threads with some type of penetrating lubricant (liquid wrench).**

### Tools Required

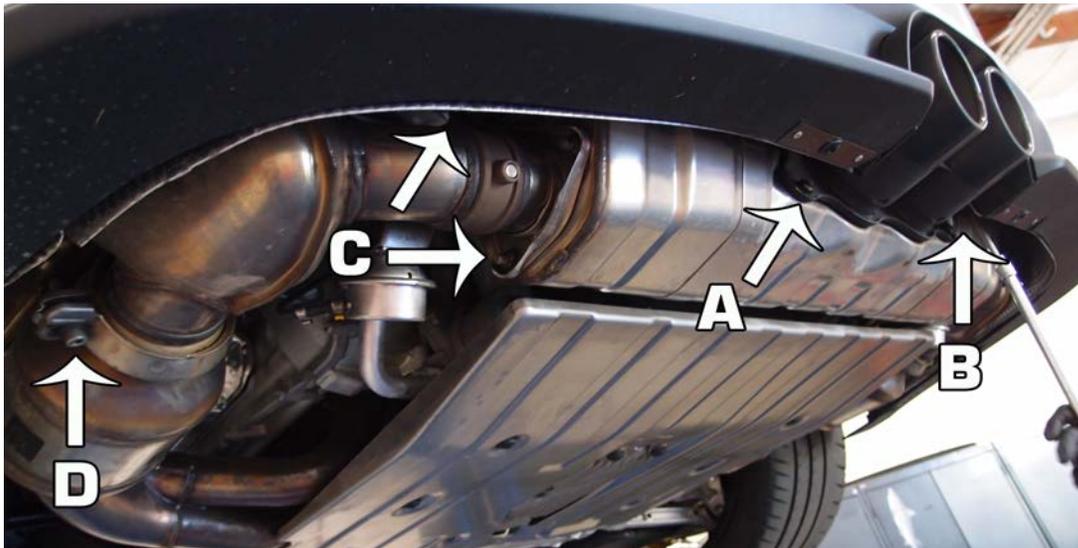
3/8" ratchet handle  
3/8" extension 6" length  
1/4" ratchet handle  
13mm 1/4" socket  
11mm 1/4" deep socket  
13mm 3/8" socket  
E12 3/8" socket  
13mm spanner (two may be required)  
M6 3/8" Hex Drive

Also, a **second person** helps when removing the stock center muffler.

### Part 1 – Original Center Muffler Removal

**Before removing any nuts you must lubricate the threads with some type of penetrating lubricant (liquid wrench)**

This installation requires you to have the rear of the car in the air, especially at eye level using a chassis lift. If you must use jack stands instead, follow all relevant instructions for safely jacking the car and securing it in place before you begin work. Allow the car to cool sufficiently (60+ minutes) before you handle the very hot exhaust parts. Reference this diagram on the following pages:



- 1) Use the 13mm socket and extension to remove the three nuts (location “A”) that attach the exhaust tips to the center muffler. Remove the exhaust tips.
- 2) Locate the two band clamps that hold the center muffler in place (location “B”). Loosen the M6 sized hex bolt and maneuver the clamp until it can be removed completely from the car. Remove both clamps.
- 3) Loosen and remove the 10x nuts (location “C”) that hold the center muffler to the side mufflers. There are 4x flanges total where these nuts are located: 2x per side, one with 3x nuts and one with 2x nuts on each side of the car. These will require a combination of different wrenches listed: the 1/4” 13mm works best for the upper nuts and the spanner may be required for the rear nuts. Remove all 10x nuts.
- 4) Loosen and remove the 2x (1x per side) M6 bolts that attach the band clamp (location “D”) that holds the header/catalytic converter to the side muffler.
- 5) Loosen the side mufflers by removing the 4x E12 bolts (2x per side) that hold the side mufflers in place. See picture at right. Once removed, the side muffler should swing freely left and right. A second person makes removing the center muffler much easier now: You must slide it far to one side (pushing the ceramic bushing from the stock center muffler) then back to the other, then center it and remove it downward from the center of the car. It might take a little force to pull it down.



## Part 2 - Install SharkWerks Bypass System

Now you are ready to install our muffler bypass system.

Reference the picture on the next page for where to place the included T-Bolt clamps. Slide the muffler bypass in place, and swing the side mufflers over the tubes. Replace the bolts that were removed in Part 1, step 5. Do not tighten yet. Use the two provided 3-inch t-clamps and secure with 11mm deep socket as shown in the picture. **Never over-tighten these clamps: they are designed to only hold the pipe in place, and only need to be snug.** After the two 3-inch (300) clamps are centered correctly, secure the upper and lower tubes on either side with the provided 2 (200) and 2.5 (250) inch clamps (on both sides). Before snugging up any of these bolts, you may want to install the tips (Part 3, below). Tighten the V-band clamps (from Part 1, step 4) and ensure the side muffler bolts are tight.

## Part 3 – Installing Tips

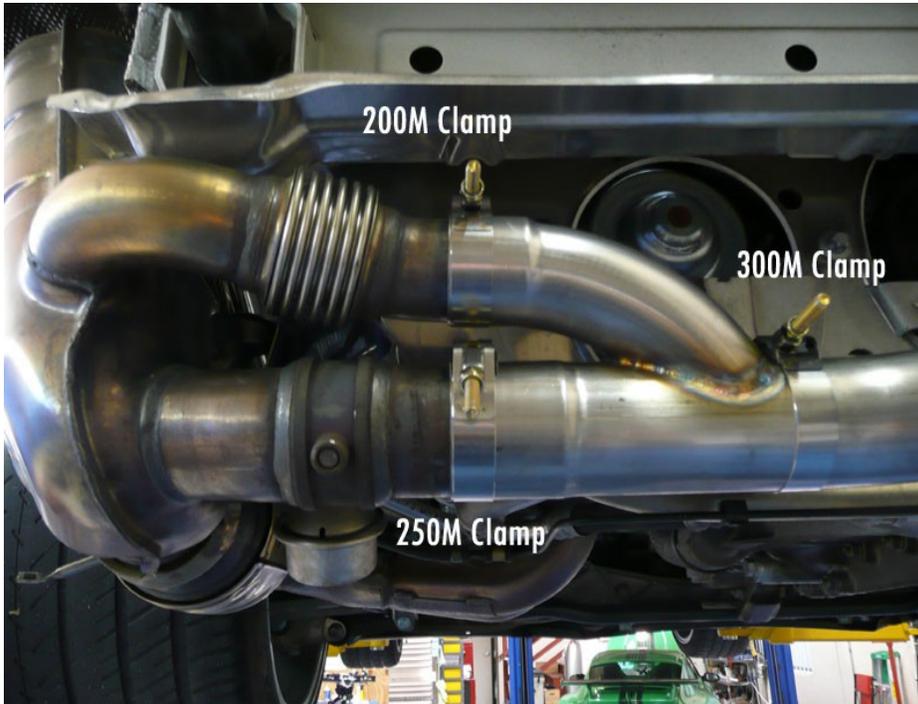
Locate the three provided M8 bolts and washers and secure to the mounting plate using the washers (held by a 13mm spanner) on the back-side. Then install the tips using the three black stock nuts and washers on the “tip” side just as installed on the original set up. This way it will look original. It helps to install just the center bolt first.

Align tips to be sure they are level, checking from a few feet back behind the car. Once they are level and centered, you can finish tightening up the clamps and check any remaining bolts that were loosened in Part 1. You may need to adjust the height/angle by loosening the clamps. The 2” (200) and 2.5” (250) clamps should be tight, the 3” clamp should only be snugged and used to secure the exhaust in place.

**Warning:** Before you drive your car, check the gap one last time between the top of the exhaust tips and the rear bumper cover. This gap should be around 1/2”+. If it is smaller, the heat from the exhaust could damage the rear bumper cover. You will need to loosen and adjust as necessary.

## Part 4 - Finished

Turn your sport button on and enjoy...



Please call (510-651-0300) or email ([info@sharkwerks.com](mailto:info@sharkwerks.com)) if you have any questions. Thank you for your support and enjoy your SharkWerks exhaust system.

**Warning:**

Before you drive your car, check the gap one last time between the top of the exhaust tips and the rear bumper cover. This gap should be 1/2" or more. If it is smaller, the heat from the exhaust could damage the rear bumper cover. You will need to loosen and adjust as necessary. This is especially important with aftermarket (larger) exhaust tips, but even the factory tips must be sufficiently gapped from the rear bumper cover.

