

## Shark Werks 997.2 Turbo / Turbo S Exhaust System Instructions

### Package Contents:

1x Shark Werks 997.2 Turbo Exhaust System  
2x Stainless Steel backing plate  
2x Stainless Steel M8 washer  
2x Stainless Steel M8 locking nut

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

### Tools Required

1/4" ratcheting inch handle  
3/8" ratcheting inch handle  
7mm deep socket (1/4-inch)  
10mm Socket (1/4-inch)  
13mm Socket  
15mm Socket  
16mm Socket  
12mm spanner  
12mm spanner "half moon" style  
curved wrench  
13mm spanner  
22mm spanner  
M6 Hex Drive  
E10 female Torx socket  
E12 female Torx socket  
T30 Torx Driver  
T25 Torx Driver



### Step 1 - Remove Lights & Bumper Cover

Open rear deck lid. It is recommended that the trunk lid lock is pressed in to disable the engine bay light. This can be accomplished by using a screwdriver and pushing down into the lock at the center of the rear engine compartment. Remember to press the Unlock switch again in the interior before closing decklid.

Remove left and right tail lights – Mark position of 2x T25 Torx screws (per side) with felt pen, then remove. Slide lights back toward rear of car for removal. Unplug connector and remove lights.

Remove fender liners from behind rear wheels. These are held in place with 5x T25 Torx screws: 3x top, 1x on the inside, and 1x at the bottom.

The rear bumper cover is held in place with 14x T30 Torx screws: Unscrew 2x T30 Torx (1x per side) plastic screws, found at the front-most part where the tail lights were installed and remove retaining plug.

Unscrew 4x T30 Torx between lights, on top of rear bumper cover. On either side in the upper fender well, close to rear tires, remove 2x T30 screws (1x each side). These thread vertically into the metal quarter panel (see picture at right) of the body at the front-most part of the rear bumper cover.

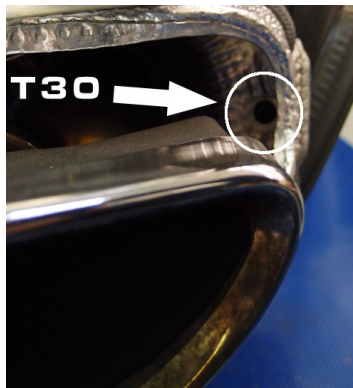


Underneath the car, there are 3x T30s on each side (6x total) that need to be removed. Carefully pull either side from front corner to pull bumper cover out from clips on the chassis (see picture below). Now you are ready to pull the bumper off. It's a good idea to use two people for this procedure as there is a rear license plate light / parking assist harness on the inside of the bumper cover that needs to be disconnected at the same time. Now the bumper cover is off.



### **Step 2 – Remove Heat Shield & Rear Crash Bumper**

Look at the aluminum 5mph bumper which is now exposed with the bumper cover off. Unscrew 2x small T30 screws, 1x each side, found on the outside of the exhaust tip, deep inside heat shield (see picture). Remove 2x large 16mm bolts (1x per side) running downward through 5mph bumper. Next remove 5mph bumper (and its thin lower heatshield that is permanently attached). The result should look like the picture below.

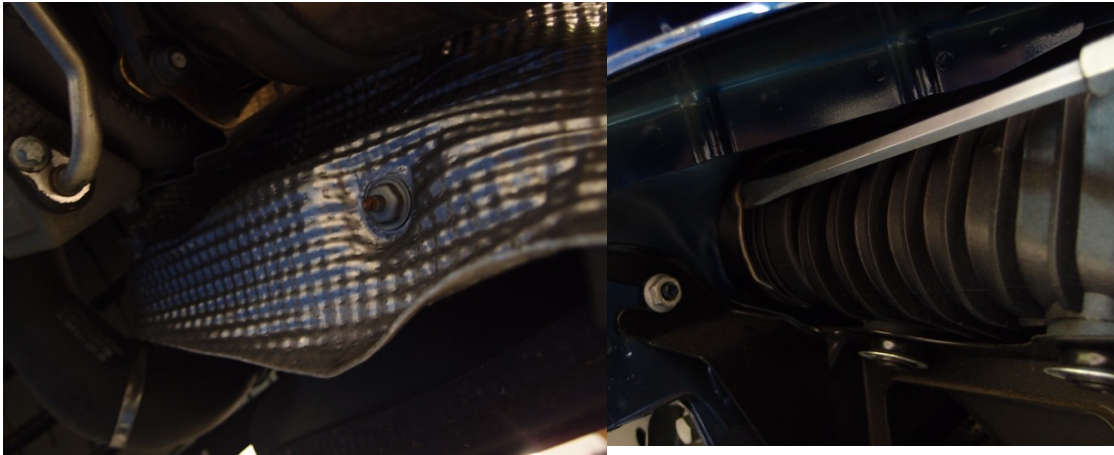


### **Step 3 – Remove Intercooler & Catalytic Converter**

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

Only the right intercooler & catalytic converter needs to be removed. Begin by locating the small flexible heat shield that runs under the turbocharger on the passenger side.

It is attached by 4x sheet metal nuts (see picture below). Remove the two lower nuts that are visible with a 13mm socket, the shield will be removed later. Locate the rear intercooler hose. Where it attaches to the intercooler, there is a metal clip. Pry this out with a flat blade screwdriver and move it to the side (see picture below on right).



On the underside of the vehicle, where the turbo compressor outlet meets the other intercooler hose, you need to loosen the 7mm hose clamp bolt and pull the hose off from the compressor.

The intercooler bracket is held in place with 3x 13mm bolts and 2x 13mm nuts: 1x bolt vertically at the front/top, 1x at center of the rear wheel well, 1x at rear. Then slide the intercooler toward front of car, and pull outward away from the vehicle.

Above the O2 sensor connections, remove the remaining 2x 13mm sheet metal nuts shown above and remove the small flexible heat shield.

On the right side of the turbocharger, remove the 1x E10 female Torx bolt from the heatshield. Remove the 2x O2 sensors using a 22mm spanner. A hammer may be required to break the O2 sensors free. Remove the 4x 12mm nuts holding the catalytic converter to the turbocharger. A curved / half-moon style spanner may be required for the inner nuts.

Remove the 2x M8 bolts using the M6 hex tool (1x per side) that fasten the rear muffler clamps together and remove the clamps. Loosen the 2x E12 female Torx bolts that fasten the exhaust tips in place. Remove the exhaust tips. Loosen the 2x 15mm (1x per side) that attach the center muffler to the catalytic converters. You may need to spray penetrating spray into the sleeves to allow the clamps to slide freely. Pull the passenger side catalytic converter out from the turbocharger, and rotate the catalytic converter 90-degrees downward, then remove from center muffler. Remove center muffler from vehicle.

#### **Step 4 – Install Shark Werks Exhaust**

Now you are ready to install our exhaust system. Fully loosen the 15mm clamps from the catalytic converters and slide onto the Shark Werks exhaust on either side (with nuts facing downward). Install the Shark Werks exhaust over the left side catalytic converter. Then re-install right side catalytic converter. You may need to use some force when installing as it's a tight fit. Re-install the catalytic converter nuts, O2 sensors, turbocharger heat shields, turbocharger heat shield bolt. Tighten the 15mm catalytic converter clamps.

Install included stainless steel backing plates on inside of Shark Werks exhaust, over welded bolts (see picture below). Tighten with included washers and nuts (1x per side). Re-install exhaust tips, intercooler hoses, intercooler bracket hardware, 5mph crash bumper, bumper cover (remembering to re-attach electrical connector), splash guards and tail lights. Pop rear-trunk if it was locked before closing.



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 Shark Werks exhaust system.

