

# Porsche 997 Turbo NHP Exhaust Installation

## Instructions

Thank you for purchasing your 997 Turbo NHP Exhaust, below you will find installation instructions to help you complete the installation.

### Tools Needed

Various tools, ratchet, sockets, wrenches etc...(no special tools needed)

### Safety precautions

Wait for the exhaust to cool down prior to working on it.

When raising the vehicle from the floor please use a quality jack and jack stands, please jack on the jacking points, please refer to your owner's manual. Remember to secure your vehicle with jack stands. When bringing the factory exhaust down please have someone help you as the factory exhaust is pretty heavy.

### Installation Tips

It's a good idea to spray the bolts that attach the exhaust to the Turbos prior to removal, if you can spray them with WD40 a few hours before removing the exhaust that will facilitate bolts removal. The same goes for the steel belts bolts that hold the mufflers in place.

It's a good idea to remove the rear bumper and rear bumper beam to remove the factory exhaust , this will make it a lot easier and will save you a bunch of time, although bumper removal is not a requirement for exhaust removal it will make it a lot easier.

**Step 1-** Remove your factory air box cover, this will make it easier to get to the O2 sensor connectors. Disconnect all 4 oxygen sensors.

Step 2- Raise the vehicle follow the O2 sensors wiring and unclip O2 sensor wirings from the metal clips, at this point you should have all 4 O2 sensor wiring hanging down.

Step 3- Remove all 4 bolts on the turbocharger flange, these are the 4 bolts that attach the exhaust system to the turbos, there are 4 per side. It is typical to snap a few studs, if that should occur once the exhaust is off you will have to remove the broken studs from the Turbo flange and use the supplied black bolts that came with your exhaust as replacements. Finally remove the 8mm bolt that retains the heat shield on the side of the turbo.

Step 4- Loosen up the steel belts that support the muffler can, there are 2 belts , once loose you will need to slide the belts on the side , in other words you need to unhook the belts from there metal

support brackets by sliding them on the side. At this point you're ready to bring the exhaust down, with a helping hand bring down the exhaust.

Step 5- You are now ready to install the NHP exhaust, first thing is to install the O2 sensors on the Catalytic converters, remove the O2 sensors from the factory exhaust with a 22mm wrench and install on the NHP Exhaust, remember that O2 sensors must go back in the same position, in other words pre-cat must go back as a pre-cat, failure to do so will cause a check engine light. The O2 sensors are color coded the Blue wiring is always the pre-catalytic converter and the black wiring is the post catalytic converter sensor. When installing the O2 sensors use anti-seize compound on the O2 sensor threads.





Step 6- You are now ready to install the cats, before doing so remove the exhaust temperature sensor and stash away on the side, this will make it easier to tighten the turbo flange bolts.



Step 7- Install the catalytic converter with the supplied gasket, make sure you position the turbo heat shield correctly , tighten all 4 turbo bolts. Remember to tighten the small exhaust port bolt on the side of the catalytic converter. Re-clip your O2 sensor wiring and connect the O2 sensor wiring connectors. Replace the air box cover.





Step 8- Install the two muffer cans, first insert the clamps at the end of the catalytic converter pipes, insert the steel belts on your catalytic pipe this will make it easier to slide them over the mufflers. If you haven't removed your bumper remove the 2 torx screws that retain the bumper cover to the heat shields .



Step-9 Install the muffer cans, the belts are shaped like the muffer shape meaning belts are pre-bent please familiarise yourself prior to installing the muffer cans.



Step 10- Tighten Muffler clamps between the catalytic and the muffler, hold your muffler straight and tighten clamp, now tighten the steel belts, you will need to use an extension to reach the tightening bolt of the steel belt.

Step 11- Install your exhaust tip pipe, do not tighten completely just enough so that you can still move it back/forward/up/down this will allow for adjustment of your exhaust tip. Install Exhaust tips tighten just enough so that you can move your exhaust tip, once you have your desired tip position tighten exhaust tip pipe and exhaust tip.

Congrats you're done Enjoy.

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