



Installation instructions

Akrapovič Exhaust Systems:
Slip-On and Slip-On with optional Link Pipes
for the
Porsche 911 turbo FL (type 997T FL)



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Congratulations on purchasing an Akrapovič exhaust system. Please read the entire installation manual prior to undertaking any activities related to installation of your new Akrapovič exhaust system. In case you do not fully understand the manual or any of its parts, please contact your authorized dealer!

This product should be installed by someone with sufficient knowledge of exhaust systems and their installation, and appropriate hand or power tools. If you are not qualified for this work, please utilize a certified mechanic for installation. By installing Your Akrapovič exhaust system, you indicate that you have read the installation manual in its entirety and you agree with the terms stated herein.

It is your responsibility to follow all installation instruction guidelines supplied with the Akrapovič exhaust system and undertake all necessary safety precautions. Akrapovič d.d. assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

IMPORTANT INFORMATION

Exclusion of Certain Liability

1. The manufacturer, importer or dealer shall not be liable for any incidental damage including personal injury or any other damages caused by improper installation or operation of the Akrapovič exhaust system. When installing the Akrapovič exhaust system be careful that the exhaust system does not touch other parts sensitive to high temperature.
2. Akrapovič makes no representation or warranties with regard to damage caused by the improper installation, use and maintenance of the Akrapovič exhaust system. The warranty is limited to defects recognized by our technical department and due to normal use, and excludes items subject to normal wear (gaskets and damping wool). The guarantee is void in case of accident, modification, improper or competition use.
3. Do not attempt to install the Akrapovič exhaust system on a vehicle model for which it was not made or tested by Akrapovič.
4. When the exhaust system gets very hot during operation, be careful not to burn yourself on the exhaust system or parts which are in direct contact with it, even when the engine is not running. Also protect other people, especially children, from the injuries mentioned above.

1. In some cases Akrapovič exhaust system kits contain chemical products (ceramic anti-seizing grease; bolt sealant). Handle with care, do not inhale or swallow. Avoid excessive contact with skin, eyes or mucous membranes. Keep out of reach of children.
2. Technical specifications of Akrapovič exhaust systems and related products are subject to change without notice.
3. Before removing the original exhaust system from your vehicle, please compare the parts you received with the list of materials provided in the installation manual in order to assure that you have all the parts necessary for the installation of your new Akrapovič exhaust system.
4. Although this manual consists of instructions for installation in written form, as well as photographs and pictures representing individual steps of the installation, please note that the photographs and pictures are symbolic and are intended for representation of general overview only. The photographs and pictures contained herein should serve as a guideline only and actual installation of the exhaust system may not correspond with the photographs and pictures entirely.
5. The process of uninstalling the original exhaust system may vary depending on the existing exhaust system. Please follow the original exhaust system manufacturer's instructions for uninstalling the original exhaust system.

Trademarks

The Akrapovič Exhaust System Technology logo is a registered trademark of Akrapovič d.d.

Akrapovič website

Information about Akrapovič exhaust systems and related products is available on the Akrapovič website at:

<http://www.akrapovic.com/>

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Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



TIGHTENING TORQUE



INSTALLATION TIP



CAUTION OR WARNING



USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of the reach of children.**



USE ANTI-SEIZE LEAD-FREE COPPER PASTE (black tube); Provides trouble-free and long-lasting protection against seizing, corrosion and rusting of bolts, threaded ends, nuts, joints, etc. Also protects against vibration, wear and impact. **WARNING! Avoid eye contact. Avoid excessive skin contact. Keep out of reach of children.**



USE ANTI-SEIZING GREASE (white tube); Prevents seizing, corrosion and excessive wear between the titanium components of your exhaust system. **WARNING! Avoid eye contact. Avoid excessive skin contact. Keep out of reach of children.**



T-handle 7 mm key wrench
T-handle 6 mm three hexagon key wrench
Combination 8 mm wrench
Combination 12 mm wrench
Combination 16 mm wrench
Combination 22 mm wrench
Torx 25
Torx 27
CTX E10
CTX E12
Spring puller

 **BEFORE INSTALLING, CHECK THE SCHEMATIC OF THE EXHAUST SYSTEM!**

! IF ANY ITEMS IN THE AKRAPOVIČ EXHAUST SYSTEM PACKAGE ARE MISSING, PLEASE CONTACT YOUR AUTHORIZED DEALER. KEEP THE SCHEMATIC FOR FUTURE REFERENCE.

! THESE INSTALLATION INSTRUCTIONS MUST BE READ CAREFULLY IN ORDER TO ENSURE PROPER INSTALLATION AND OPERATION OF THE AKRAPOVIČ EXHAUST SYSTEM.

! THE EXHAUST SYSTEM CAN BE EXTREMELY HOT. ALLOW THE EXHAUST AND ENGINE TO COOL DOWN BEFORE BEGINNING INSTALLATION.

 **WE ADVISE YOU TO LEAVE INSTALLATION TO A QUALIFIED SERVICEMAN. IMPROPER INSTALLATION MAY RESULT IN A SHORTER LIFETIME OF THE EXHAUST SYSTEM AND/OR DAMAGE TO THE VEHICLE.**

! WHEN INSTALLING AN AFTERMARKET AKRAPOVIČ EVOLUTION EXHAUST SYSTEM, WHICH IS DEVELOPED FOR USE ON CLOSED TRACK, WE RECOMMEND REMAPPING OF THE ECU TO PREVENT POSSIBLE “ENGINE CHECK LIGHT” WARNING SIGNAL.

REMOVAL OF STOCK EXHAUST SYSTEM:

Put the vehicle onto a car lift.

! **WARNING:** make sure, that lifting is safely and correctly done or you risk vehicle damage, injury or even death!

1. **For Slip-On and Slip-On with optional Link Pipes:** untighten the marked clamp and remove the stock tail pipes from both sides of the vehicle (**Figure 1**).



Figure 1

2. **For Slip-On and Slip-On with optional Link Pipes:** unscrew marked tail light bolts on both sides of the vehicle (Figure 2).



Figure 2

3. **For Slip-On and Slip-On with optional Link Pipes:** disconnect the lights' connectors and remove both tail lights off the vehicle (**Figure 3**).

! **CAUTION:** be careful not to damage the electrical connectors or tail lights during this process!

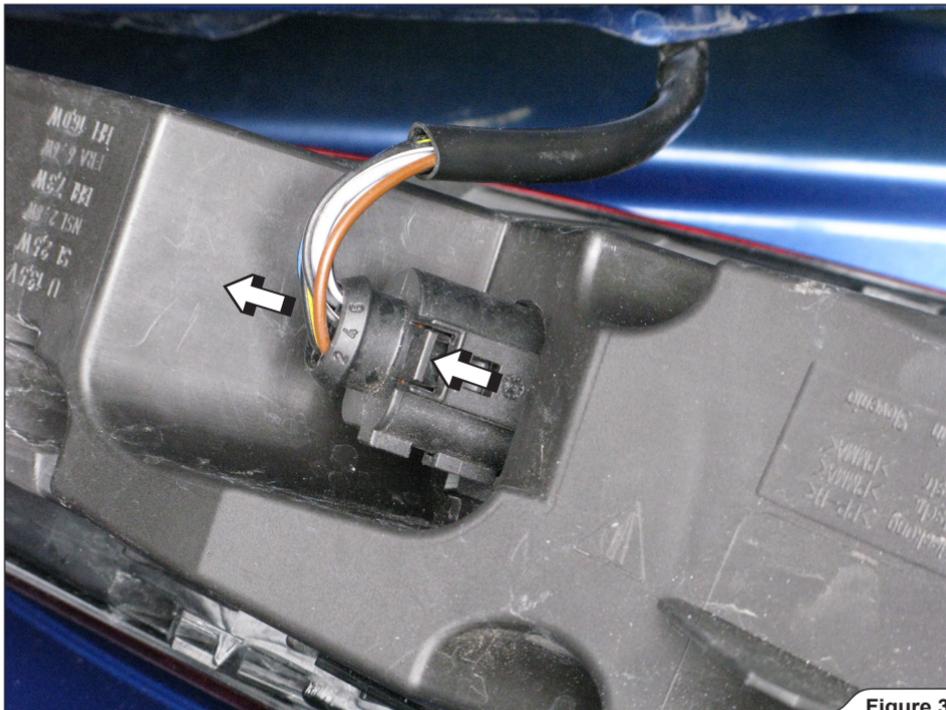


Figure 3

4. **For Slip-On and Slip-On with optional Link Pipes:** unscrew the marked bolts on both sides of the vehicle (Figure 4, 5, 6, 7).



Figure 4



Figure 5



Figure 6

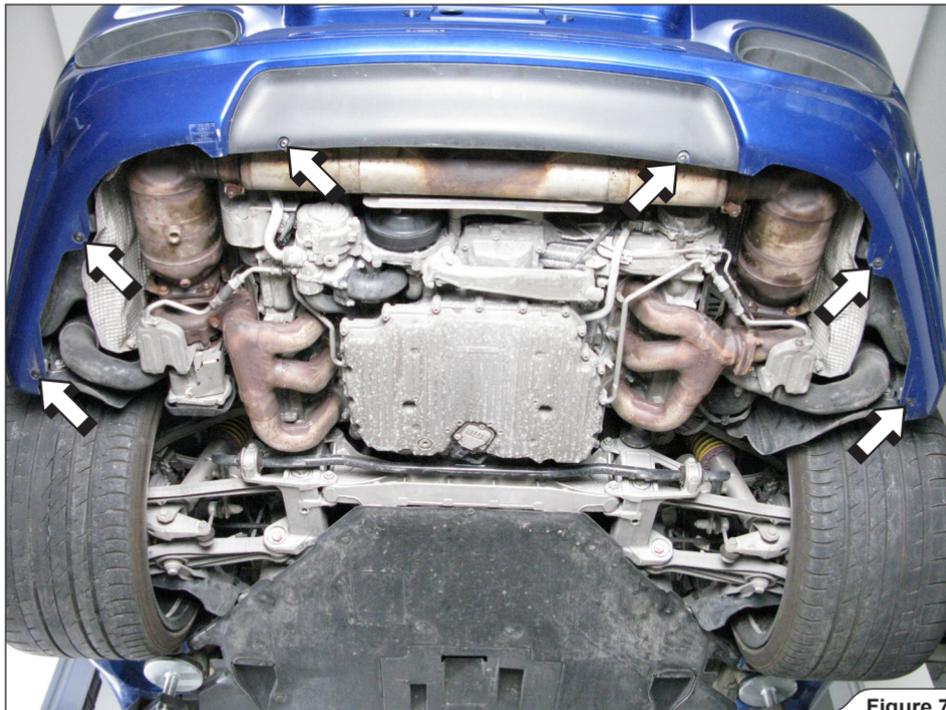


Figure 7

5. **For Slip-On and Slip-On with optional Link Pipes:** disconnect the number plate's light and park sensors' connector and remove the rear bumper off the vehicle (**Figure 8**).
- ! **CAUTION:** be careful not to damage the electrical connector, bumper or any other part of the car during this process!

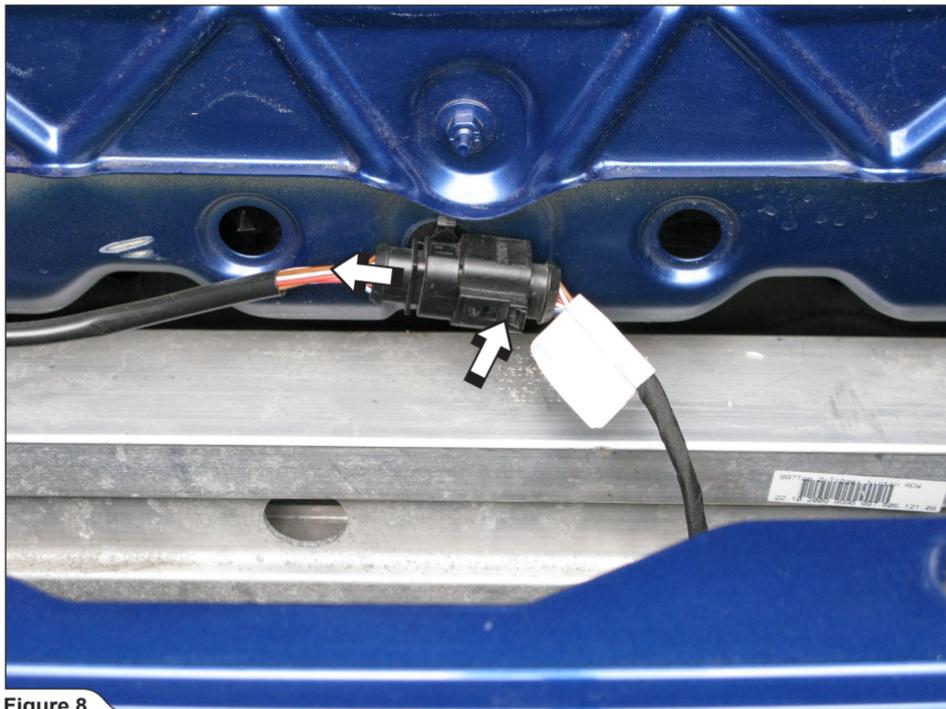


Figure 8

6. **For Slip-On and Slip-On with optional Link Pipes:** unscrew the marked bolts on both sides of the vehicle and remove muffler's heat shield (**Figure 9**).

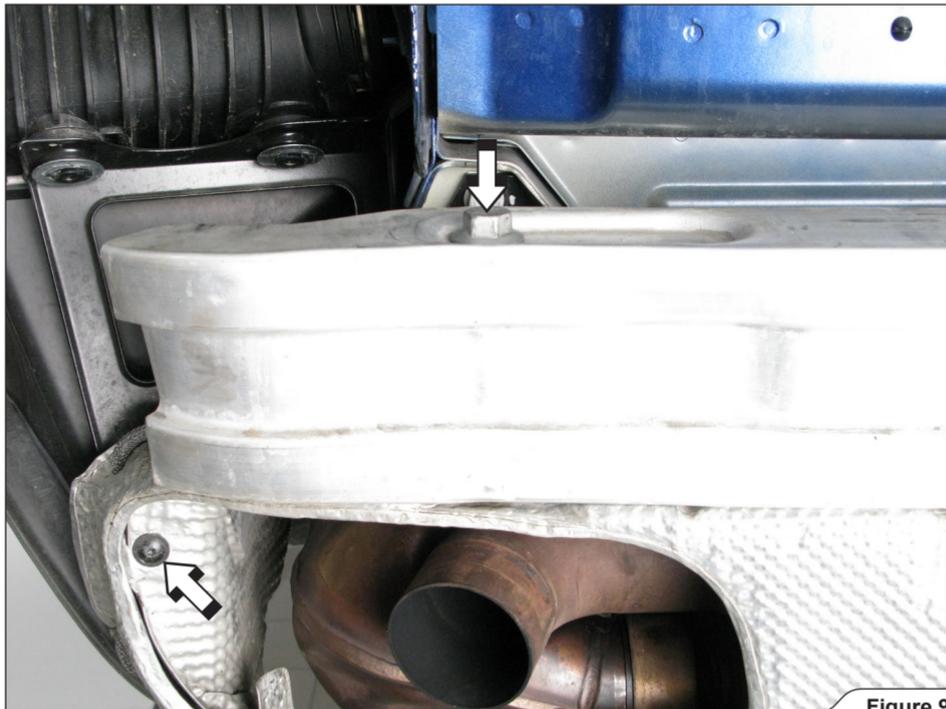


Figure 9

7. **For Slip-On and Slip-On with optional Link Pipes:** unscrew all nuts of the stock link pipes flanges and the M6 bolts of turbo chargers' heatshield on both sides of the engine (**Figure 10**).

! **CAUTION:** make sure not to damage any part of the vehicle during this process!

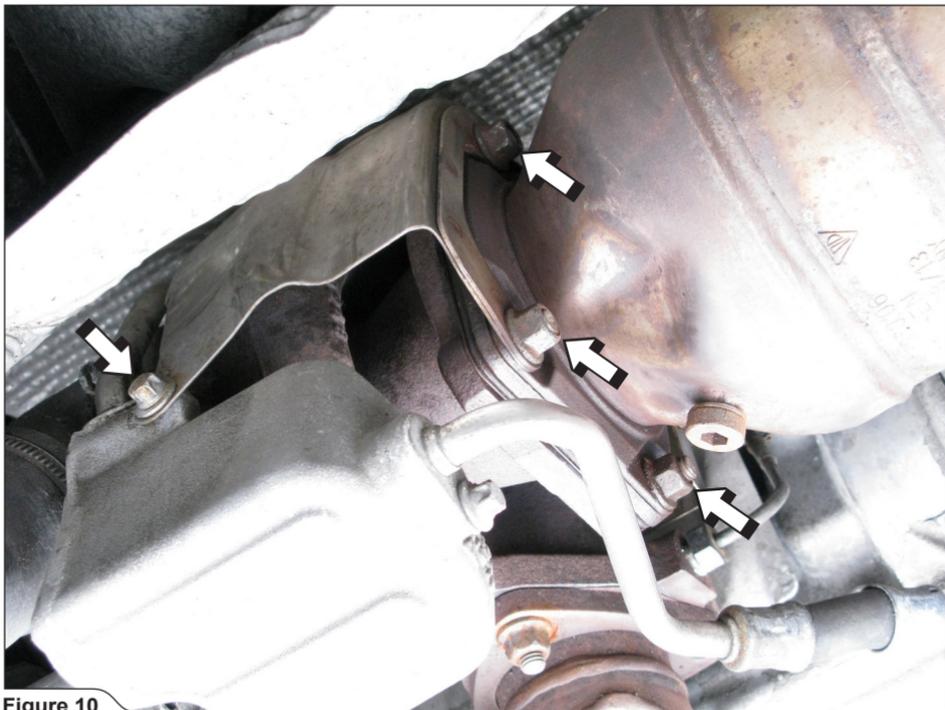


Figure 10

8. For Slip-On and Slip-On with optional Link Pipes: untighten the marked clamps on both sides of the vehicle (Figure 11).

! **WARNING:** make sure, that you support the muffler and stock link pipes during this process or you could injure yourself or damage the vehicle!



Figure 11

9. **For Slip-On and Slip-On with optional Link Pipes:** slide the muffler clamps off the brackets behind the muffler and carefully lower the muffler with link pipes, until you can unscrew the lambda sensors. Unscrew all lambda sensors and remove the muffler together with link pipes off the vehicle (**Figure 12**).
- ! **WARNING:** make sure, that you support the muffler and stock link pipes during this process or you could injure yourself or damage the vehicle!
- ! **CAUTION:** make sure not to damage the sensors' electrical leads during this process!

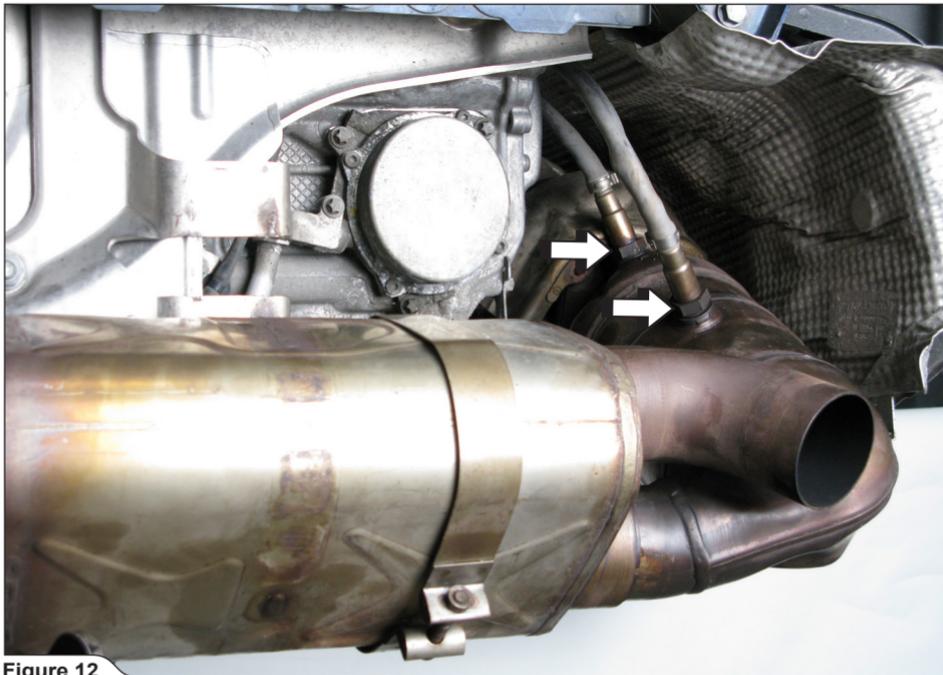


Figure 12

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEMS:

1. **For Slip-on only:** assemble Akrapovič muffler with Slip-On adapters, as shown (**Figure 13, 14**).

! **WARNING:** align the adapters' welds with marked muffler's inlets' jags!



Figure 13

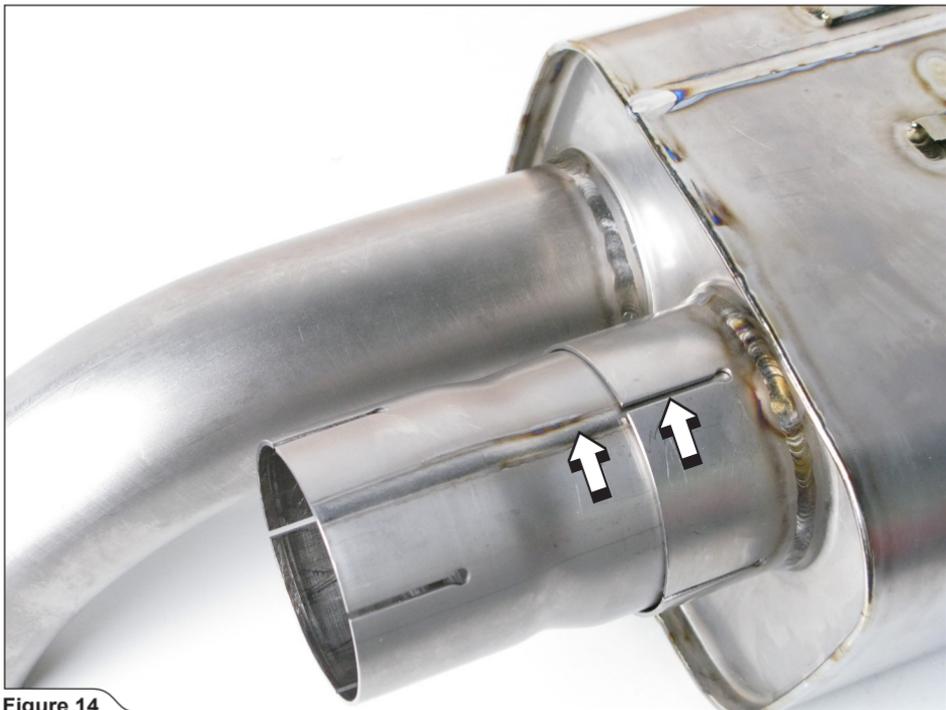


Figure 14

2. **For Slip-On only:** assemble Akrapovič clamps onto the muffler's inlets, as shown (Figure 15).

! **WARNING:** use anti-seize copper paste on clamps' bolt and nut threads!

! **WARNING:** hand tighten muffler's inlets' clamps only!

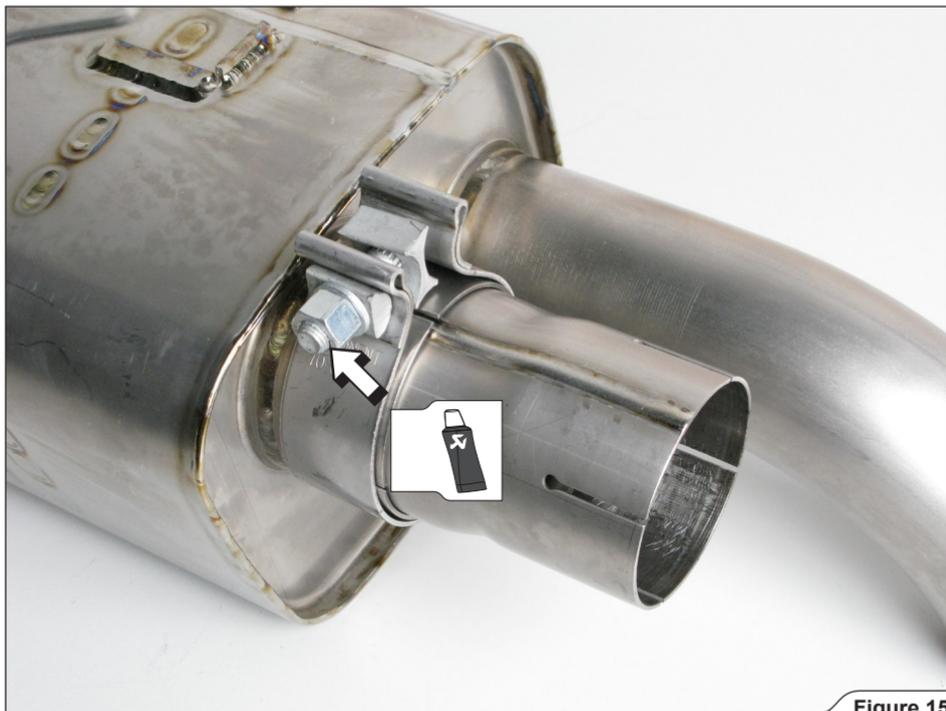


Figure 15

3. **For Slip-On only:** assemble the stock link pipes, turbo chargers' heatshields and stock clamps with Akrapovič muffler, as shown (**Figure 16**). Repeat the process on both sides of the muffler.

! **WARNING:** use anti-seize copper paste on clamps' bolt and nut threads!

! **WARNING:** hand tighten the stock clamps only!



Figure 16

4. **For Slip-On with optional Link Pipes only:** assemble the Akrapovič optional link pipes, stock turbo chargers' heatshields and Akrapovič clamps, as shown (**Figure 17**). Repeat the process on both sides of the muffler.

! **WARNING:** use anti-seize copper paste on clamps' bolt and nut threads!

! **WARNING:** hand tighten the clamps only!



Figure 17

5. **For Slip-On and Slip-On with optional Link Pipes:** assemble both Akrapovič muffler clamps onto the muffler, as shown (Figure 18).

! **WARNING:** use anti-seize copper paste on clamps' bolts and nut threads!

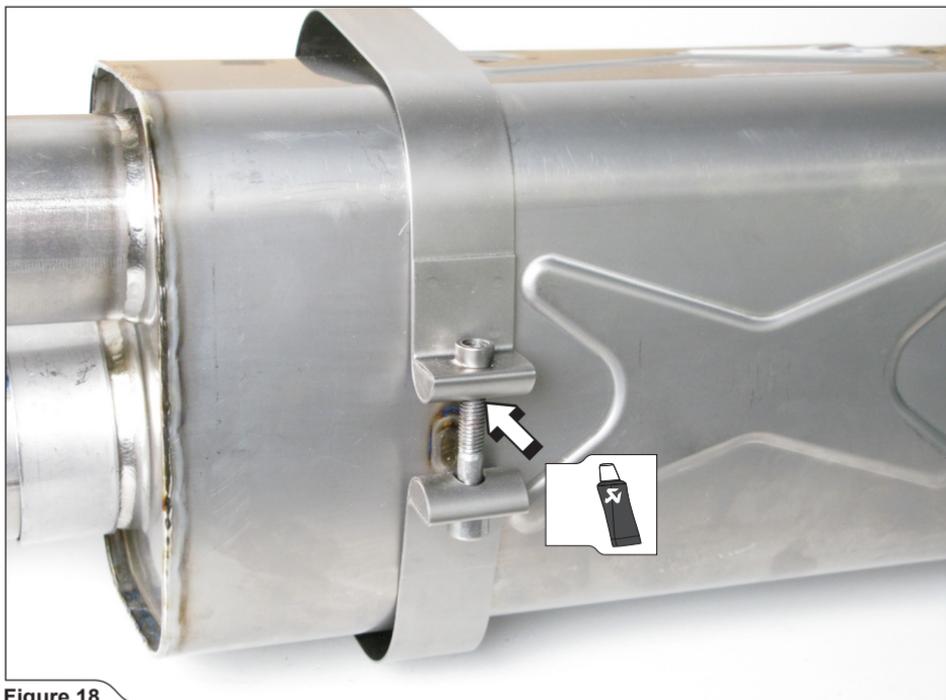


Figure 18

6. **For Slip-On only:** bring the assembled muffler/stock link pipes near the final position on the vehicle and tighten the lambda sensors (**Figure 19**). Repeat the process on both sides of the vehicle.

! **WARNING:** support the assembled muffler/link pipes safely during this process or you could injure yourself or damage the vehicle!

! **CAUTION:** use new gaskets in link pipes - turbo chargers joints!

! **WARNING:** use anti-seize copper paste on sensors' threads only!

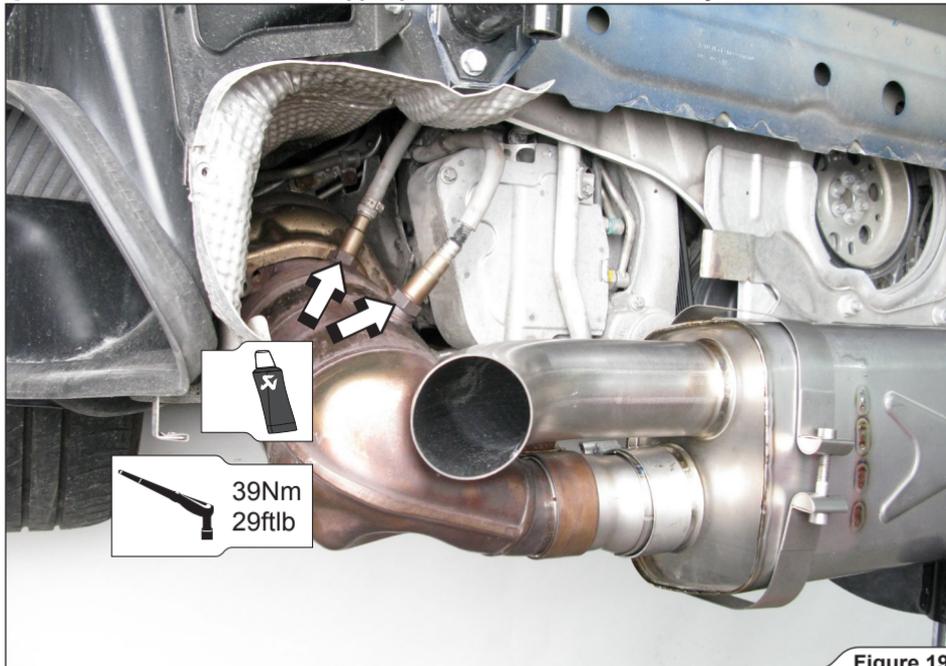


Figure 19

7. **For Slip-On with optional Link Pipes only:** bring the assembled muffler/link pipes near the final position on the vehicle and tighten the lambda sensors (**Figure 20**). Repeat the process on both sides of the vehicle.
- ! **WARNING:** support the assembled muffler/link pipes safely during this process or you could injure yourself or damage the vehicle!
 - ! **CAUTION:** use new gaskets in link pipes - turbo chargers joints!
 - ! **WARNING:** use anti-seize copper paste on sensors' threads only!

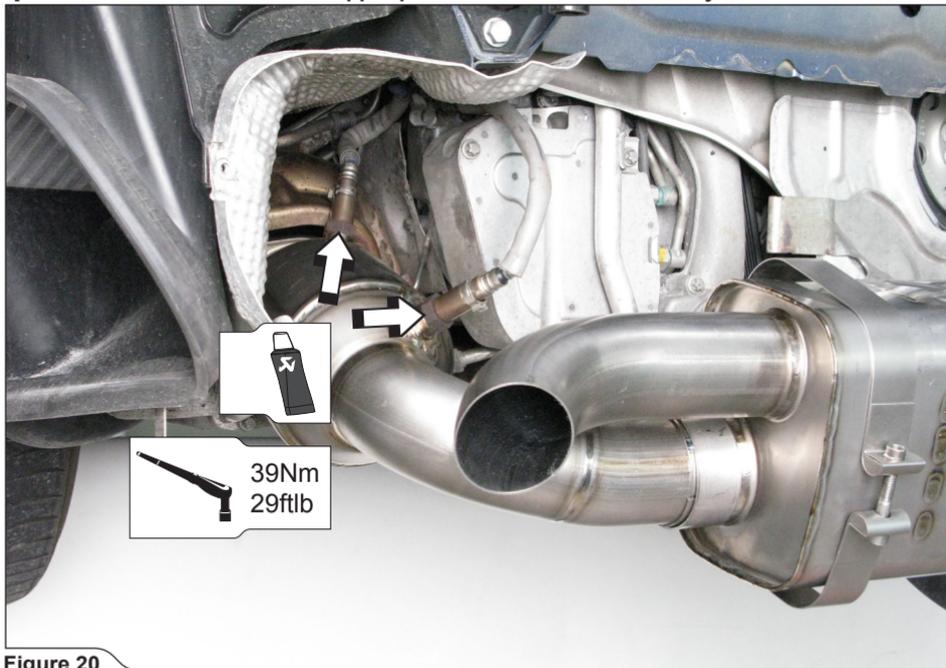


Figure 20

8. **For Slip-On and Slip-On with optional Link Pipes:** place the marked muffler restrictors and slide both muffler clamps onto stock muffler bracket, as shown (**Figure 21, 22**). Hand tighten the muffler clamps.
- !** **WARNING:** make sure that muffler bracket and link pipes are correctly joint with muffler - use rubber mallet, if necessary, to tap the connections into place!



Figure 21



Figure 22

9. **For Slip-On only:** tighten the stock link pipes' flanges (using four stock nuts) and heatshields' stock bolts to a specified torques on both sides of the vehicle (**Figure 23**).

! **WARNING:** use anti-seize copper paste on all bolts' and nuts' threads!

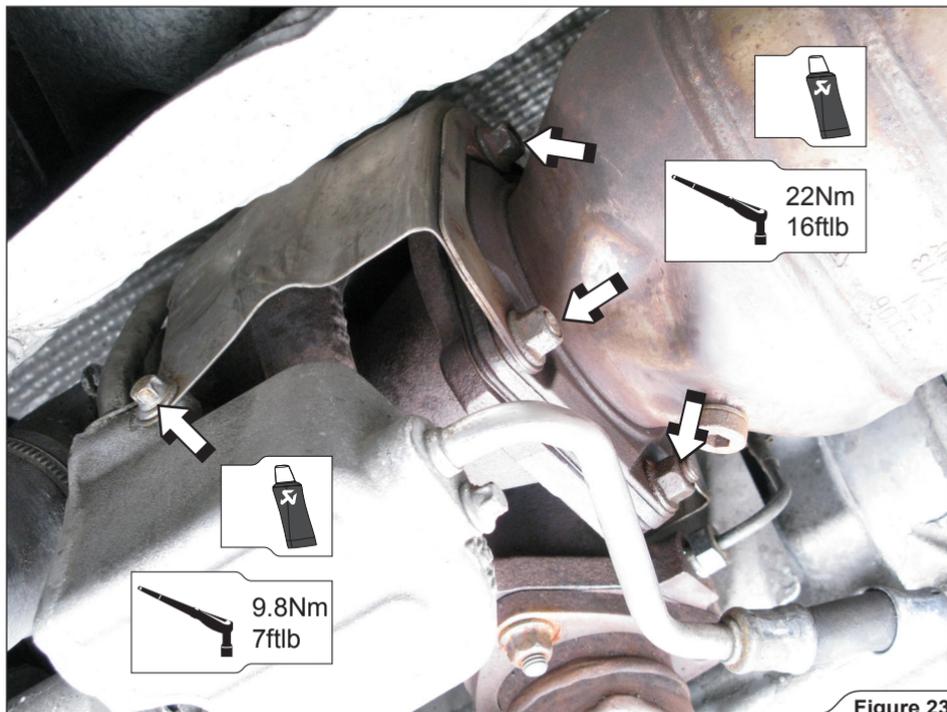


Figure 23

10. **For Slip-On with optional Link Pipes only:** tighten the Akrapovič link pipes' flanges (using four stock nuts) and heatshields' stock bolts to a specified torques on both sides of the vehicle (Figure 24).

! **WARNING:** use anti-seize copper paste on all bolts' and nuts' threads!

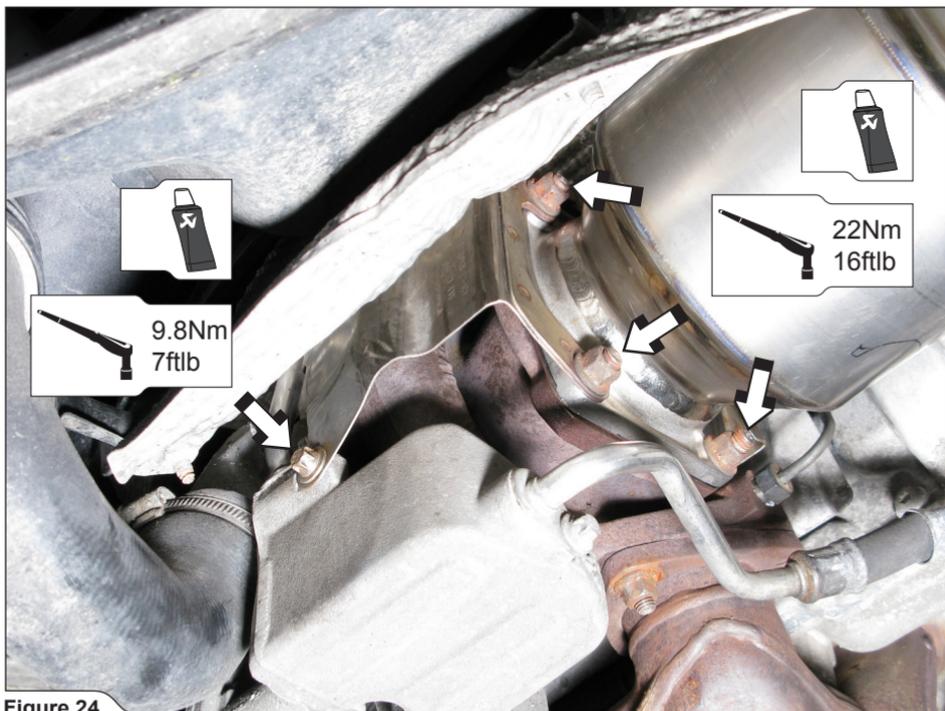


Figure 24

11. For Slip-On and Slip-On with optional Link Pipes: tighten the muffler clamps to the specified torque (Figure 25).

! **WARNING:** before tightening the clamps, recheck the muffler and muffler bracket position!

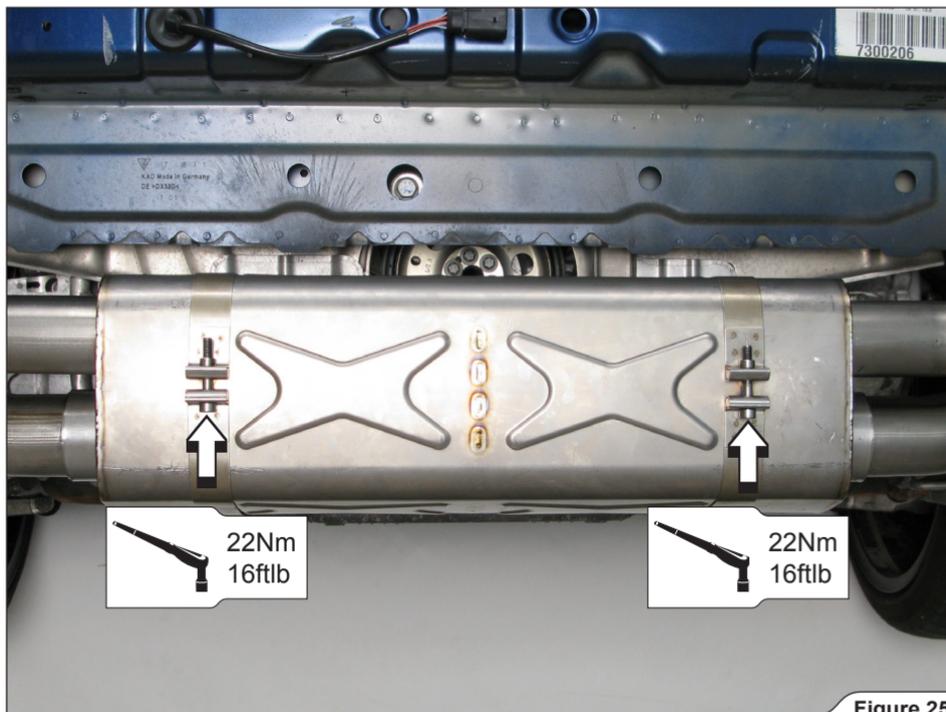


Figure 25

12. **For Slip-On only:** tighten the marked link pipes' and Slip-On adapters' clamps to a specified torque, on both sides of the vehicle (**Figure 26**).

✂ INSTALLATION TIP: before tightening the clamps, check the alignment of the muffler's inlets with link pipes' outlets. If necessary, rotate the eccentric Slip-On adapters to align muffler's inlets with link pipes.

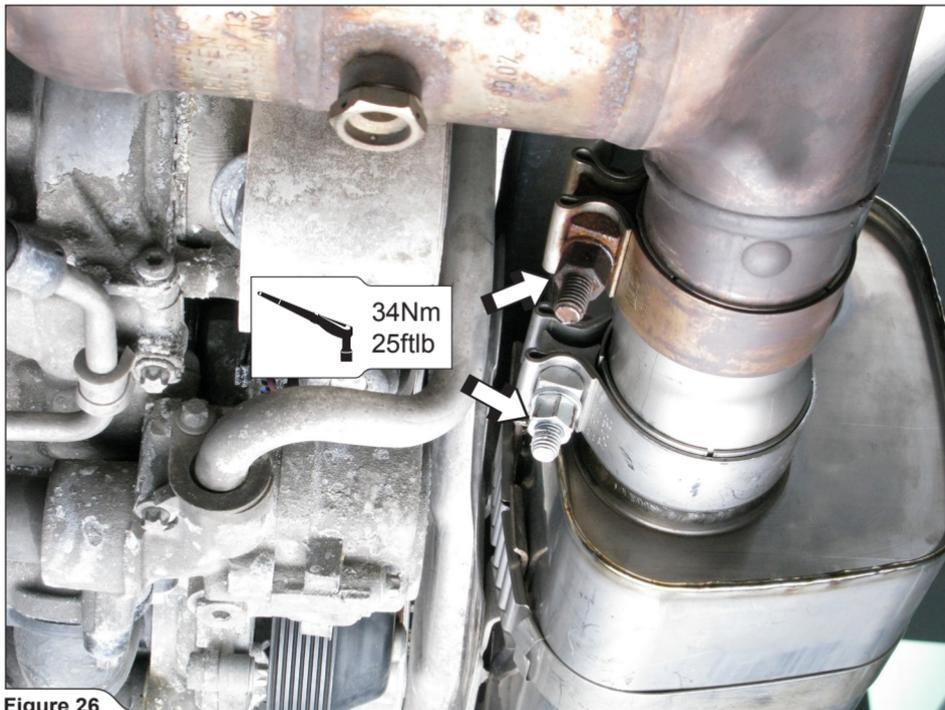


Figure 26

13. **For Slip-On with optional Link Pipes only:** tighten the marked link pipes' clamps to a specified torque, on both sides of the vehicle (**Figure 27**).

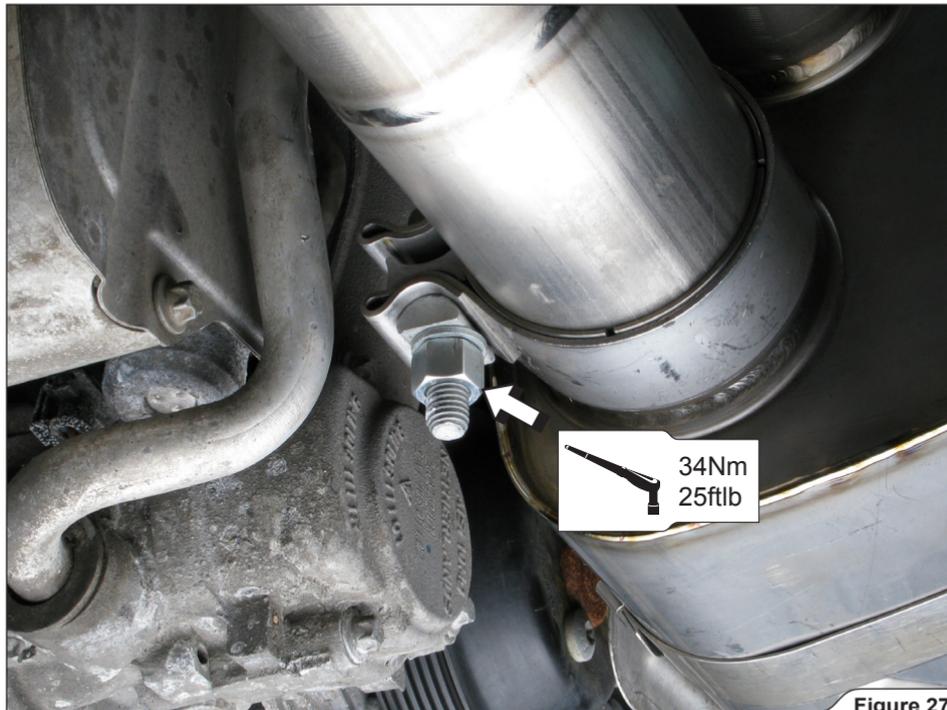


Figure 27

14. **For Slip-On and Slip-On with optional Link Pipes:** attach Akrapovič carbon fiber masks on both sides of the bumper, using springs from Akrapovič installation kit (**Figure 28, 29**).



Figure 28



Figure 29

15. **For Slip-On and Slip-On with optional Link Pipes:** replace the dismantled stock muffler heatshield and rear bumper in the reverse order from the order in which they were removed. Check vehicle manufacturer manual for tightening torques (**Figure 30**).



Figure 30

16. For **Slip-On and Slip-On with optional Link Pipes**: tighten the marked muffler outlet's clamp on both sides of the muffler (**Figure 31**).

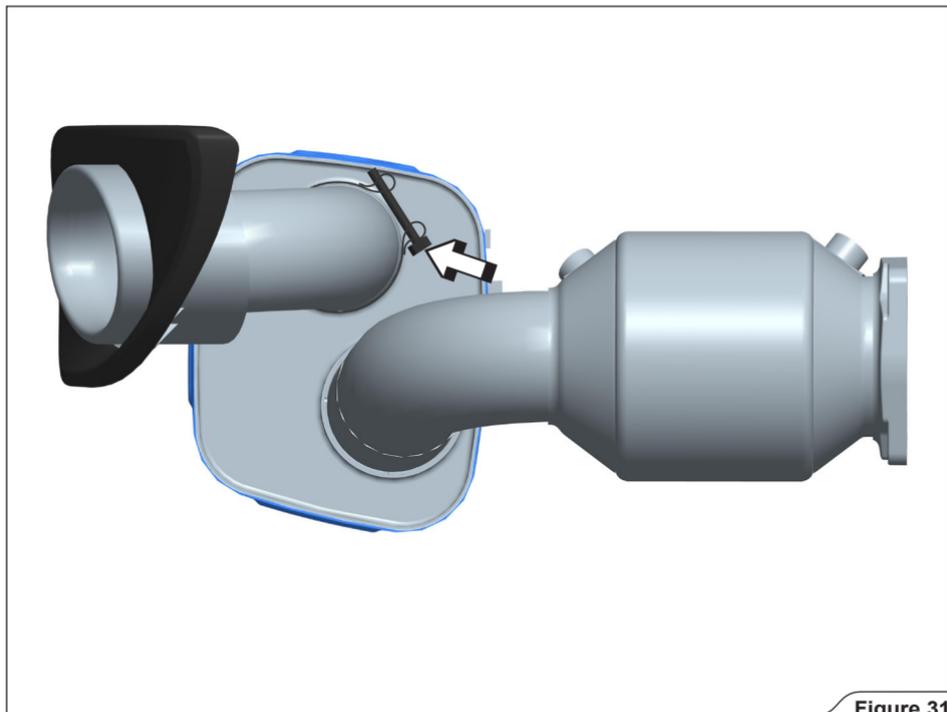


Figure 31

17. For **Slip-On and Slip-On with optional Link Pipes**: align the muffler outlet pipe to the center of the tail pipe (**Figure 32**). Repeat the process on both sides of the vehicle.



Figure 32

18. For Slip-On and Slip-On with optional Link Pipes: retighten the muffler outlets' clamps on both sides of the muffler to a specified torque (**Figure 33**).

! **WARNING:** use anti-seize copper paste on clamps' bolt and nut threads!

! **CAUTION:** regularly check, if the muffler's outlets are in center of the tail pipes! If not, repeat the adjustment!

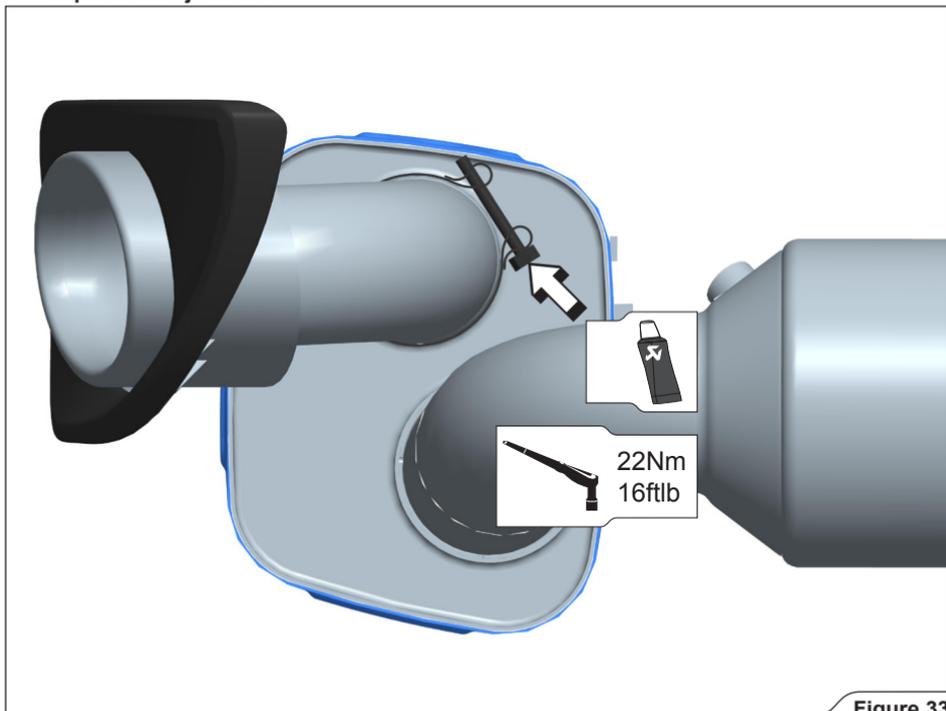


Figure 33

Final installation:

Replace all of the dismantled stock parts in the reverse order from the order in which they were removed.

! **WARNING: check vehicle manufacturer manual for tightening torques (for dismantled stock parts)!**

! **WARNING: make sure all the nuts and bolts are sufficiently tightened. In case the exhaust system touches the cowling or other parts, repeat the adjustment of the exhaust system or contact your authorized dealer.**

MAINTENANCE OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Clean the titanium exhaust components with a multi-purpose spray lubricant (WD-40 or equivalent), carbon fiber exhaust components with soft and dry cloth and stainless steel components with soft cloth sprayed with contact cleaner, then wipe with soft and dry cloth. A change in the color of the exhaust system is normal due to high temperatures.
2. Periodically make sure all the bolts and springs are sufficiently tight.

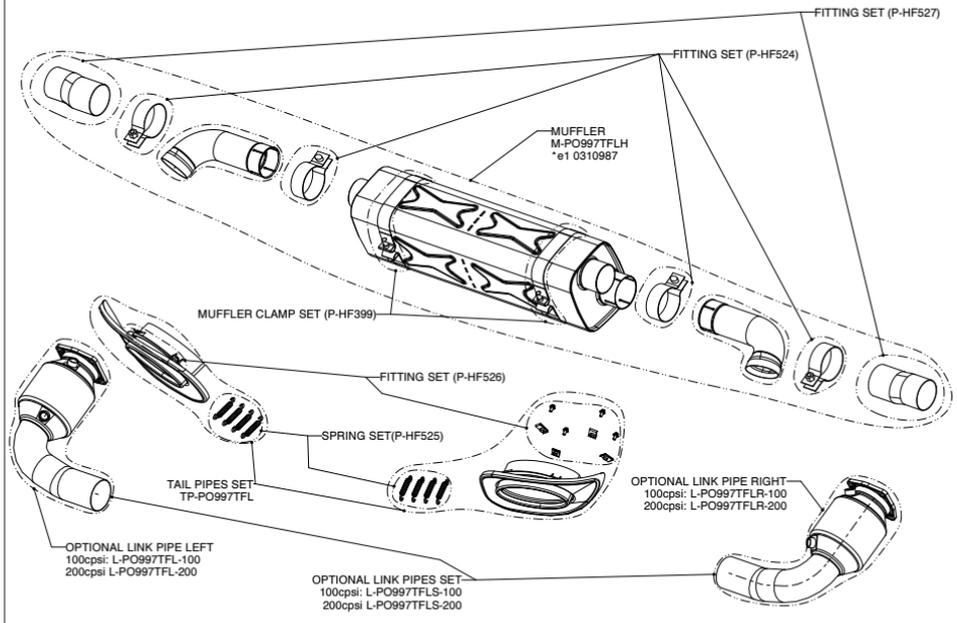
! **WARNING: clean all exhaust components before the first start of the engine or the stains will burn onto the surfaces!**

! **IT IS NORMAL IF WHITE SMOKE COMES OUT OF THE MUFFLER ON FIRST OPERATION.**

! **DO NOT STAND BEHIND THE MUFFLER ON FIRST OPERATION.**

! **DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIČ EXHAUST SYSTEMS.**

PORSCHE 997TFL/Titanium exhaust system 2010 "SLIP ON" Homologated
Product code: S-PO997TFLH



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