



Installation instructions

Akrapovič Exhaust System:

Rear Carbon Fiber Diffuser

for the

Porsche 911 Turbo (type 991)

Porsche 911 Turbo S (type 991)



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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.

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Akrapovič website

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

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

Copyright

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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.**



Torx 25
Torx 30
Reversible drill
Drill bit 3 mm
Spring puller



BEFORE INSTALLING, CHECK SCHEMATIC OF THE DIFFUSER! THE LATEST VERSION OF THE PARTS LIST AND SCHEMATIC DRAWINGS OF THE PRODUCTS ARE AVAILABLE ON OUR WEB PAGE.



IF ANY ITEMS IN THE AKRAPOVIČ DIFFUSER 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 DIFFUSER.



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 DIFFUSER AND/OR DAMAGE TO THE VEHICLE.

REMOVAL OF STOCK DIFFUSER:

Put the vehicle onto a car lift.

! **WARNING:** ensure that the car is lifted safely and properly in order to avoid the risk of vehicle damage, injury, or even death!

1. Undo the rear spoiler's brackets trims, unscrew the marked bolt on both sides and carefully remove the spoiler off the vehicle (**Figure 1, 2**).

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



Figure 1



Figure 2

- Carefully pull the engine compartment cooling fans off the rubber brackets, disconnect the electrical connectors and remove the fans out of the engine compartment (**Figure 3**).

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



Figure 3

3. Remove the plastic connector cover, unscrew the marked bolts, disconnect the marked connector and carefully remove the under spoiler trim off the vehicle (**Figure 4, 5**).

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



Figure 4



Figure 5

4. Unscrew the marked bolts on both sides, carefully pull the tail lights out of the chassis, disconnect the tail lights' electrical connectors and remove the tail lights off the vehicle (**Figure 6, 7**).
- !** **CAUTION:** make sure, not to damage the connectors, tail lights or any other part of the vehicle during this process!



Figure 6

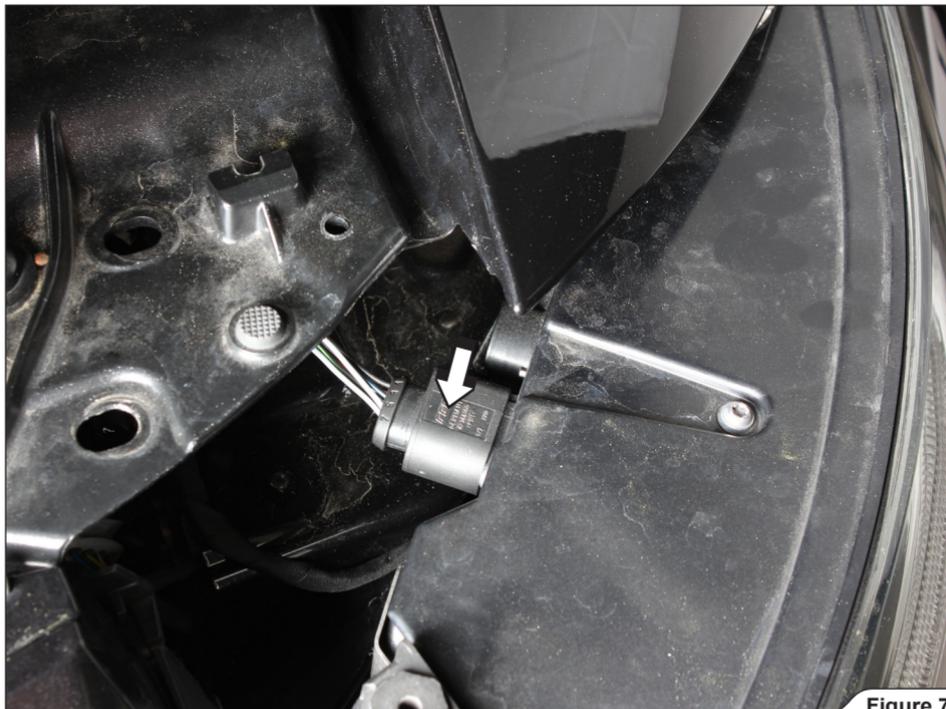


Figure 7

5. Unscrew the marked rear bumper's bolts (Figure 8, 9, 10).

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



Figure 8



Figure 9



Figure 10

6. Remove both rear wheels and unscrew rear parts of the wheel arch panels on both sides of the vehicle; remove the wheel arch panels and unscrew the two bumper's bolts (Figure 11, 12, 13).

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



Figure 11

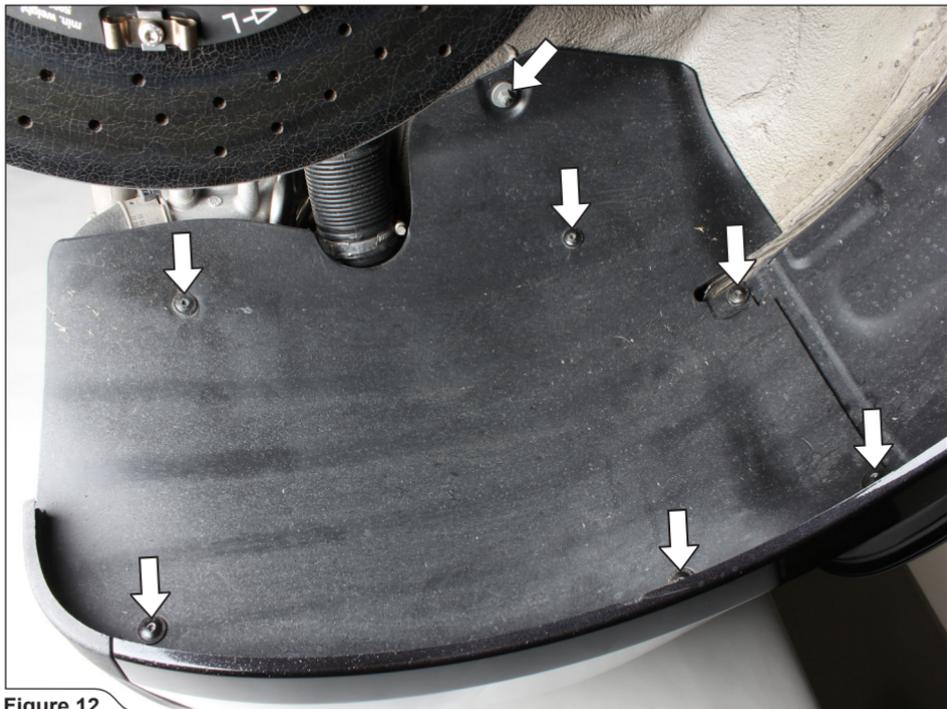


Figure 12



Figure 13

7. Disconnect the bumper's electrical connectors and carefully remove the bumper off the vehicle (Figure 14, 15).

! **CAUTION:** make sure, not to damage the connectors, bumper or any other part of the vehicle during this process!



Figure 14

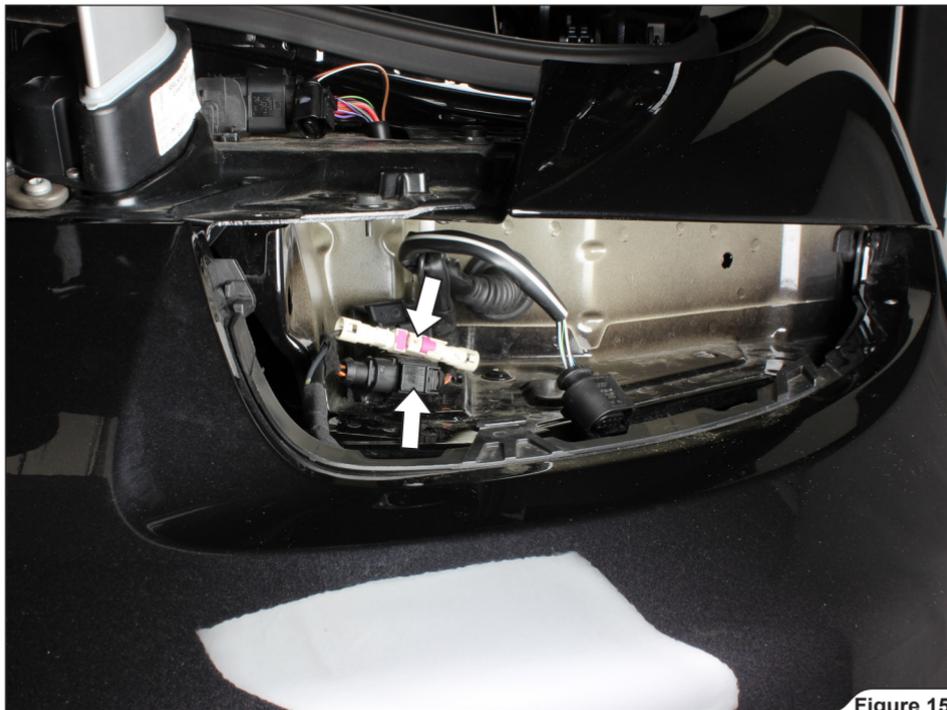


Figure 15

8. Drill out the marked rivet and remove the reinforcement off the bumper (Figure 16).

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

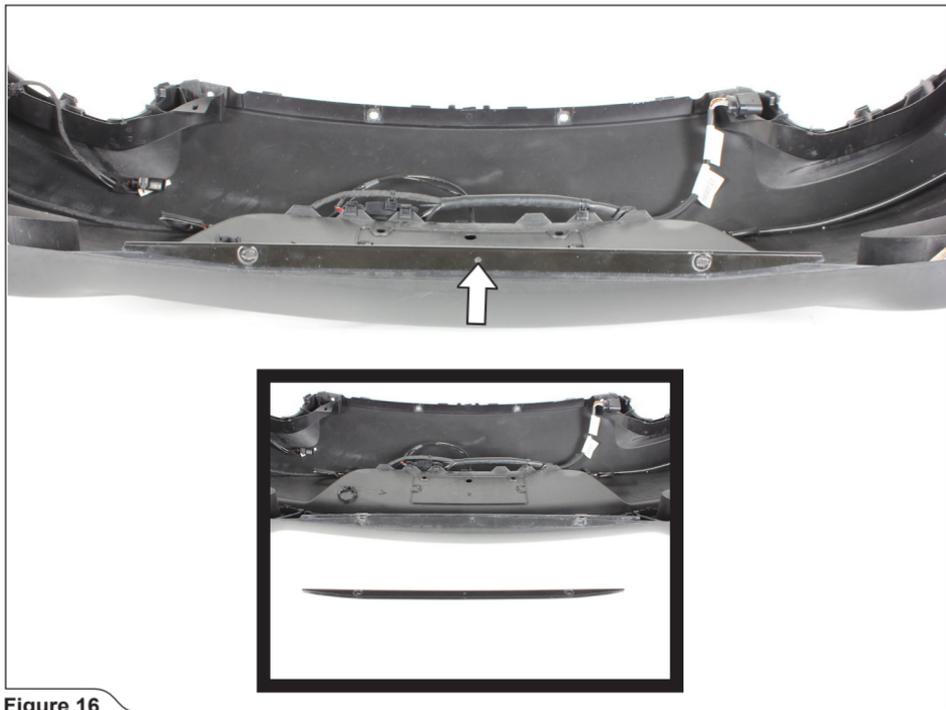


Figure 16

9. Unhook the marked fasteners and carefully remove the stock diffuser off the bumper (Figure 17).
! CAUTION: make sure, not to damage the bumper during this process!



INSTALLATION OF THE AKRAPOVIČ DIFFUSER:

1. Mount the bumper's reinforcement back onto the bumper, as shown (**Figure 18**).
! **CAUTION:** make sure, not to damage the bumper during this process!



Figure 18

2. Attach the Akrapovič carbon fiber diffuser onto the bumper; hook the fasteners as shown (Figure 19, 20, 21).

! CAUTION: make sure, not to damage the diffuser or bumper during this process!

! CAUTION: make sure, that all fasteners are correctly attached!



Figure 19



Figure 20



Figure 21

3. Attach the Akrapovič Tail Pipes onto the bumper, using springs from Akrapovič installation kit (Figure 22, 23, 24).

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



Figure 22

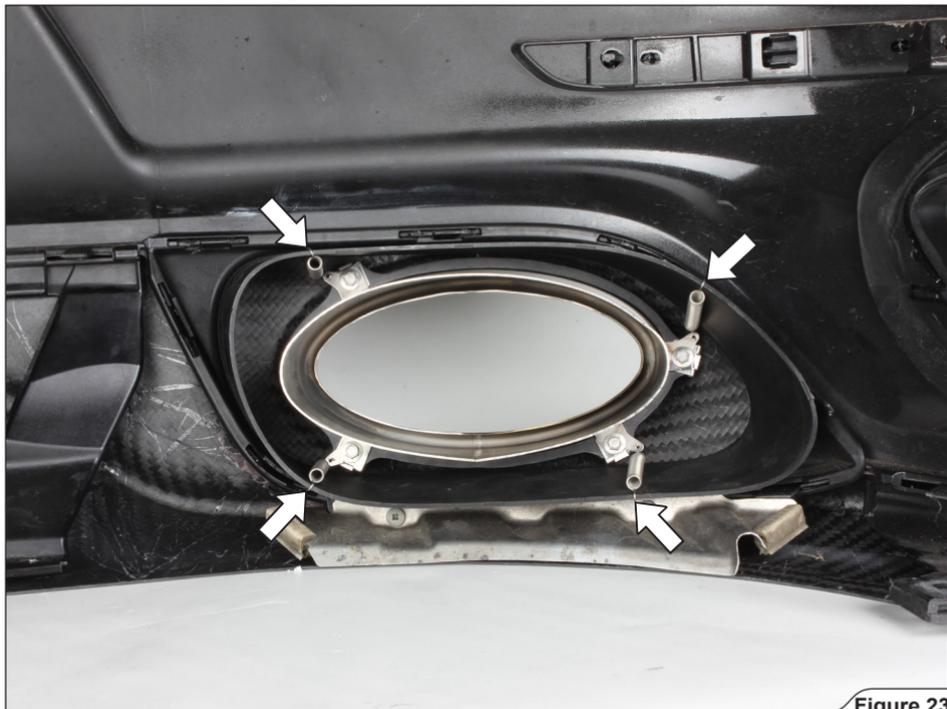


Figure 23

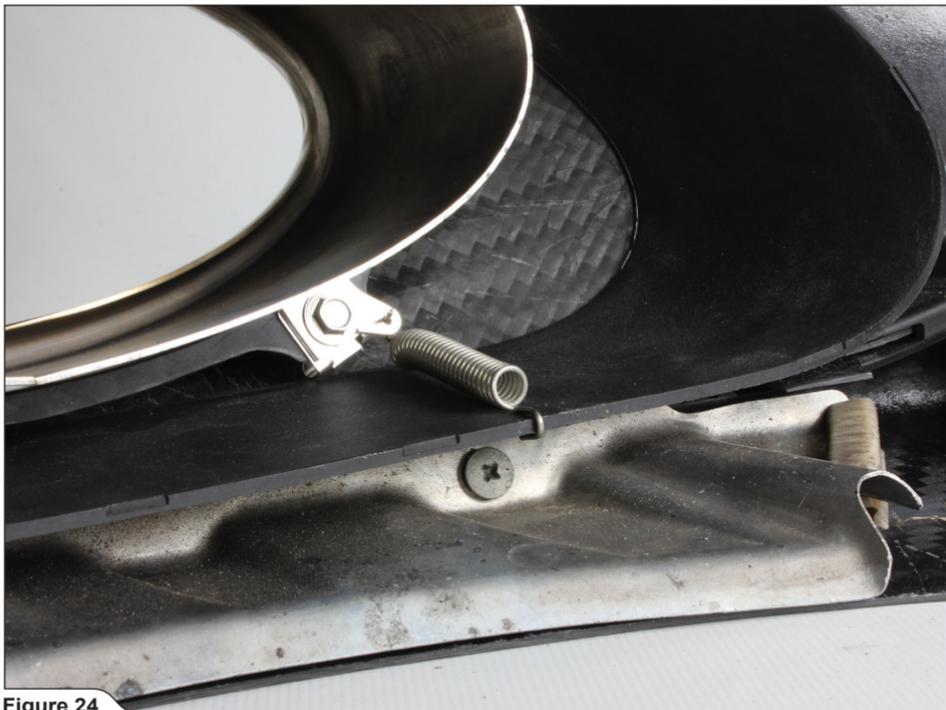
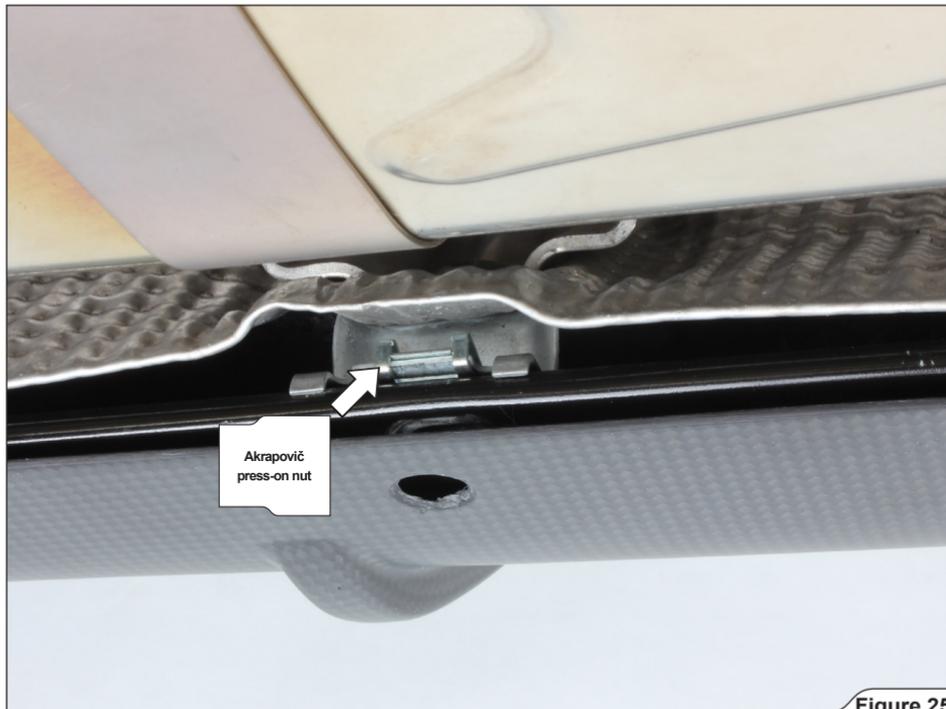


Figure 24

4. Replace all dismantled stock parts (bumper, tail lights, wheel arches, wheels...) in the reverse order from the order in which they were removed. Use bolts and press-on nuts from Akrapovič installation kit on the marked fitting positions. Check vehicle manufacturer manual for tightening torques (Figure 25, 26).

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



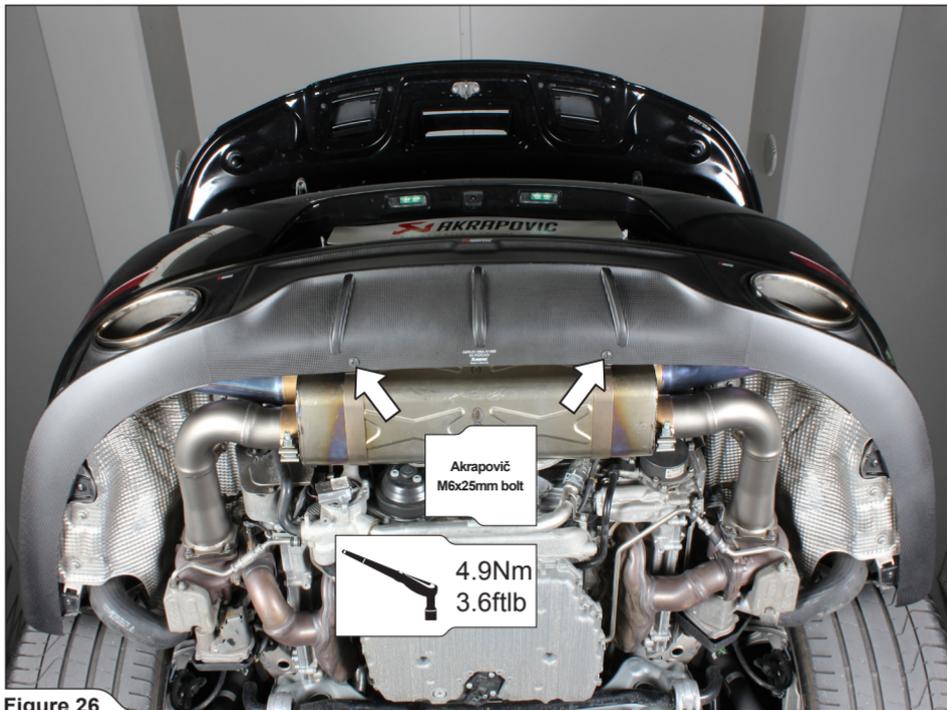


Figure 26

Final installation:

- ! **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 FOR WHITE SMOKE TO COME OUT OF THE MUFFLER AT FIRST OPERATION.**

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

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

WARNING

Please note that certain aftermarket exhaust systems may not comply with applicable California laws and regulations, and may therefore be prohibited for use on California highways or roads, or on roads or vehicles otherwise subject to emissions control requirements.

Akrapovič exhaust systems for automobiles and motorcycles mounted downstream of the catalytic converter (also known as “cat-back systems”) are considered “replacement parts” in California by the California Air Resources Board (CARB), and do not require an exemption or executive order from CARB to be sold in California. However, California prohibits the use of any aftermarket exhaust system that modifies, removes or replaces original equipment catalysts, unless CARB has issued an Executive Order as to such part or system.

Further, Akrapovič parts or exhaust systems used or intended for use on “racing vehicles” (i.e. a competition vehicle used exclusively for competition on closed-course circuits) do not require an exemption or Executive Order from CARB to be sold in California. However, such parts are prohibited from use on California public highways or roads, even if occasionally used “off-road.”

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