



Installation instructions

Akrapovič Exhaust System:

Slip-On

for the

Laborghini Gallardo 550 - 2 Coupe

Laborghini Gallardo 560 - 4 Coupe / Spyder

Laborghini Gallardo 570 - 4 Coupe / Spyder



Installation instructions

Akrapovič Exhaust System:

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Lamborghini Gallardo LP550 - 2 Coupe

Lamborghini Gallardo LP560 - 4 Coupe / Spyder

Lamborghini Gallardo LP570 - 4 Coupe / Spyder

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

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<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.**



Bi-hex 16 socket
T-handle 7mm wrench
T-handle swivelling 10mm wrench
T-handle swivelling hexagon 5mm wrench
T-handle swivelling TX E10 wrench
Combination 8mm wrench
Combination 13mm wrench
Torx 20 wrench
Torx 25 wrench
Torx 30 wrench
Torx 45 wrench
Small cross head screwdriver
Cutting nippers
Self-adjustable pliers
Heat Gun



BEFORE INSTALLING, CHECK SCHEMATIC OF THE EXHAUST SYSTEM! 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 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.



THIS MANUAL IS SPECIFIC TO THE LAMBORGHINI GALLARDO LP560-4 COUPE. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER MODELS.



AT EACH ENGINE START, THE EXUP VALVE MAY VIBRATE FOR A FEW SECONDS UNTIL THE VACUUM SYSTEM REACHES OPERATING PRESSURE.

REMOVAL OF STOCK EXHAUST SYSTEM:

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. Unscrew and remove rear wheels and rear sections of wheel arch panels on both sides of the vehicle (**Figure 1, 2, 3**).



Figure 1

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

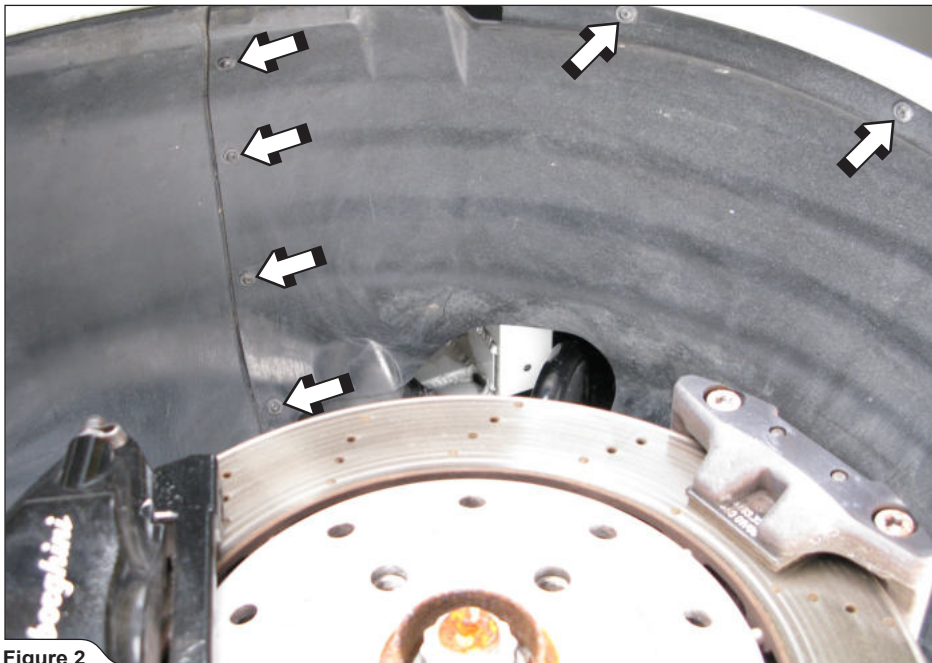


Figure 2



Figure 3

2. Unscrew the marked bolts and remove the rear sections of wheel arch panels off the vehicle (Figure 4).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

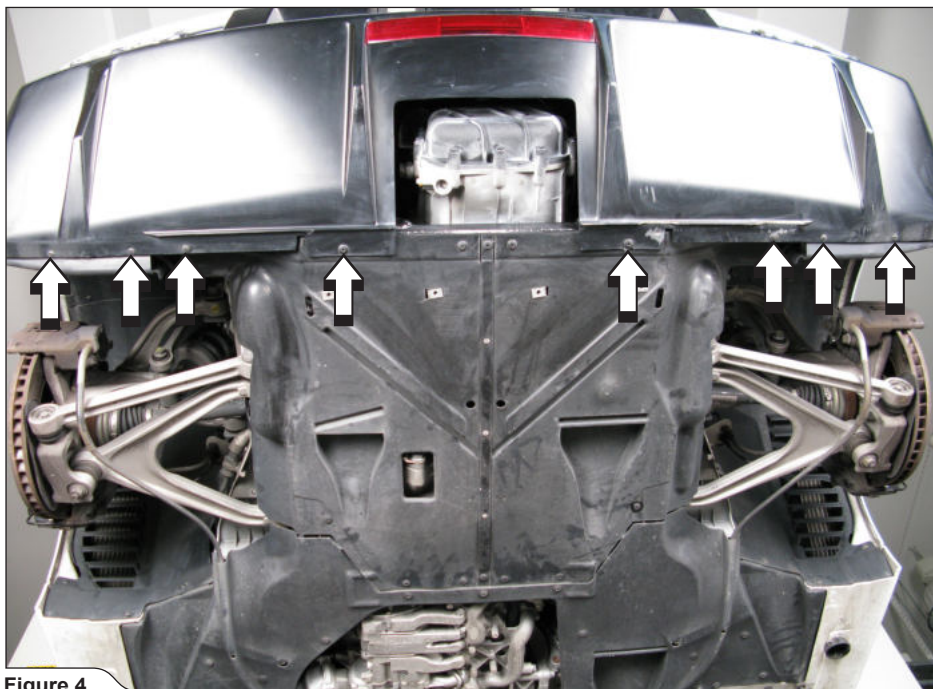


Figure 4

3. Unscrew the marked bolts and nuts on both sides and carefully remove vacuum tubes fasteners (Figure 5).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

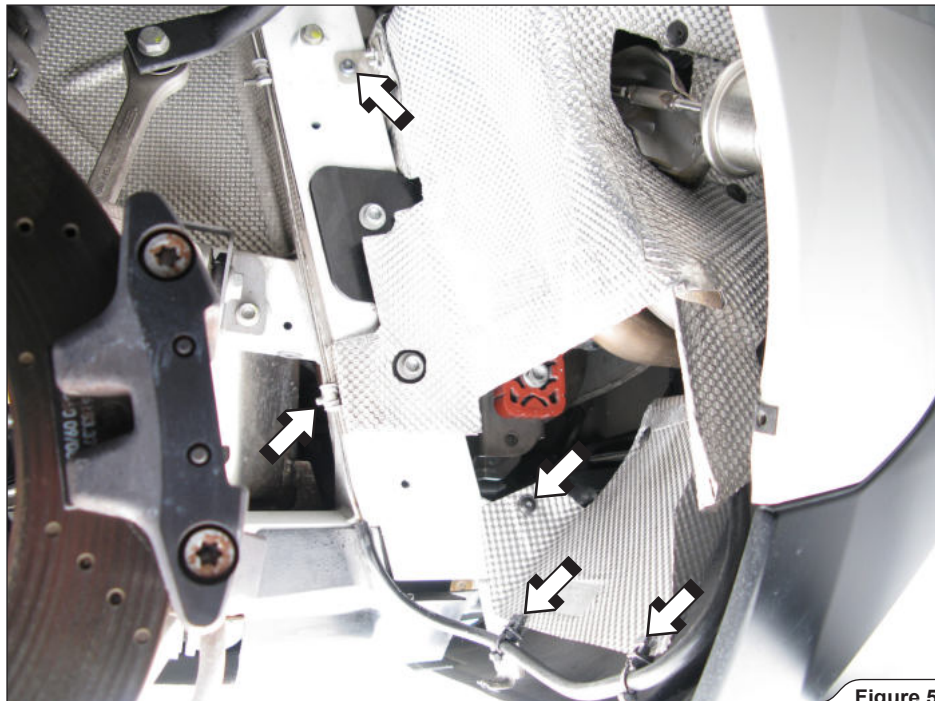


Figure 5

- Carefully bend marked parts of wheel arch heat shields as shown and pull the vacuum tubes off the vacuum actuators (**Figure 6**).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

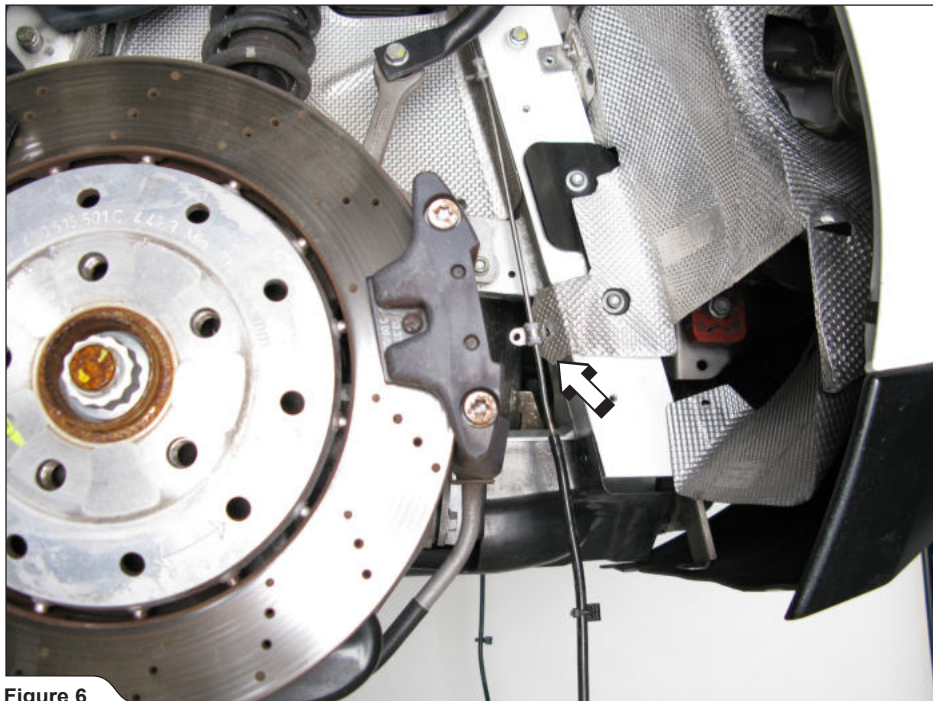


Figure 6

5. Unscrew the marked bolts and nuts on both sides of the bumper (Figure 7).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!



Figure 7

6. Unscrew all grille bolts and carefully remove the grille off the vehicle (**Figure 8**).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!



Figure 8

7. Unscrew the marked bolts and nuts on both sides of the vehicle (**Figure 9**).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!



Figure 9

- Carefully partially remove the bumper trim panel, disconnect the marked electrical connector and completely remove the bumper trim panel off the vehicle (**Figure 10**).

! **WARNING:** make sure, not to damage the bumper trim panel, connector, or any other part of the vehicle during this procedure!



Figure 10

9. Unscrew the marked bolts on both sides of the vehicle, and remove the bumper reinforcement (Figure 11, 12).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

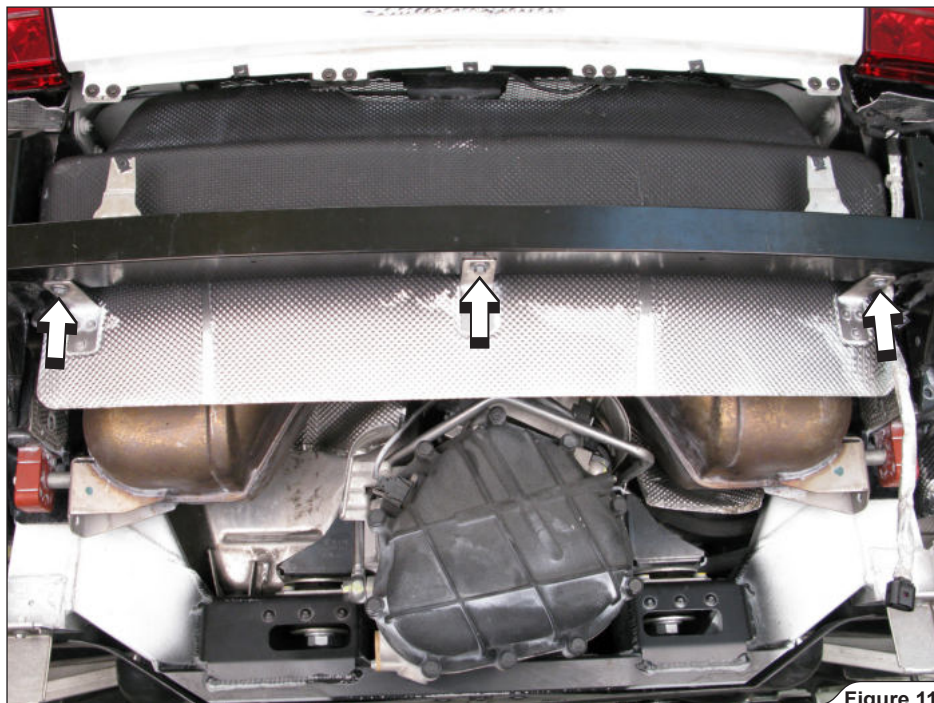


Figure 11



Figure 12

10. Unscrew the marked bolts on both sides of the vehicle, disconnect the tail lights' electrical connectors, and remove the tail lights off the vehicle (Figure 13, 14).

! **WARNING:** make sure, not to damage the connectors, tail lights or any other part of the vehicle during this procedure!

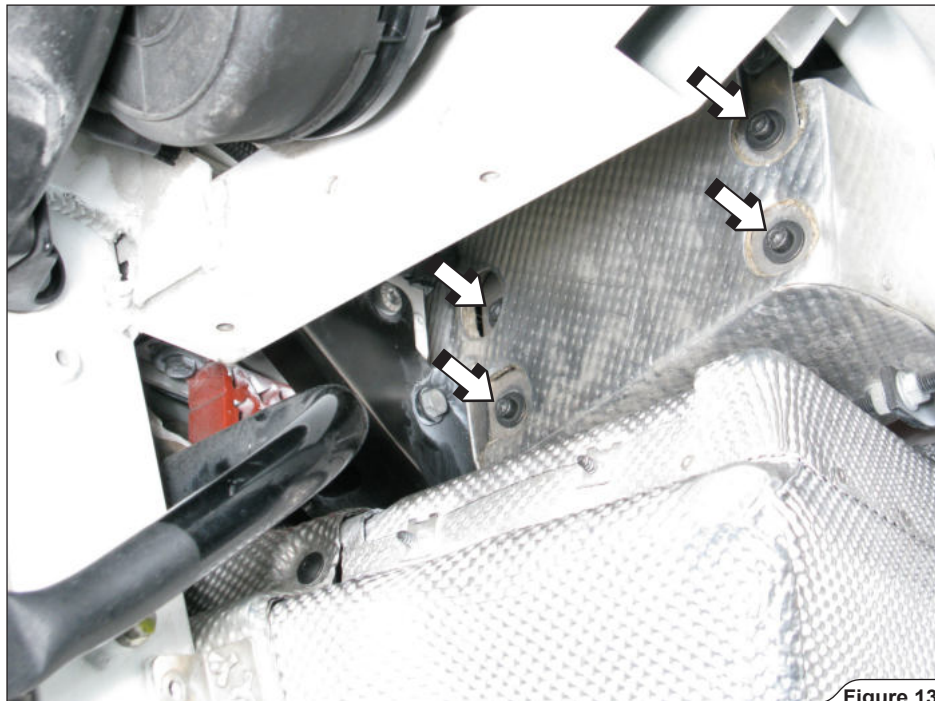


Figure 13



Figure 14

11. Unscrew the marked bolts and nuts on both sides of the vehicle (**Figure 15, 16**).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!



Figure 15



Figure 16

12. Undo the marked fasteners and remove the engine compartment panels (Figure 17, 18, 19).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

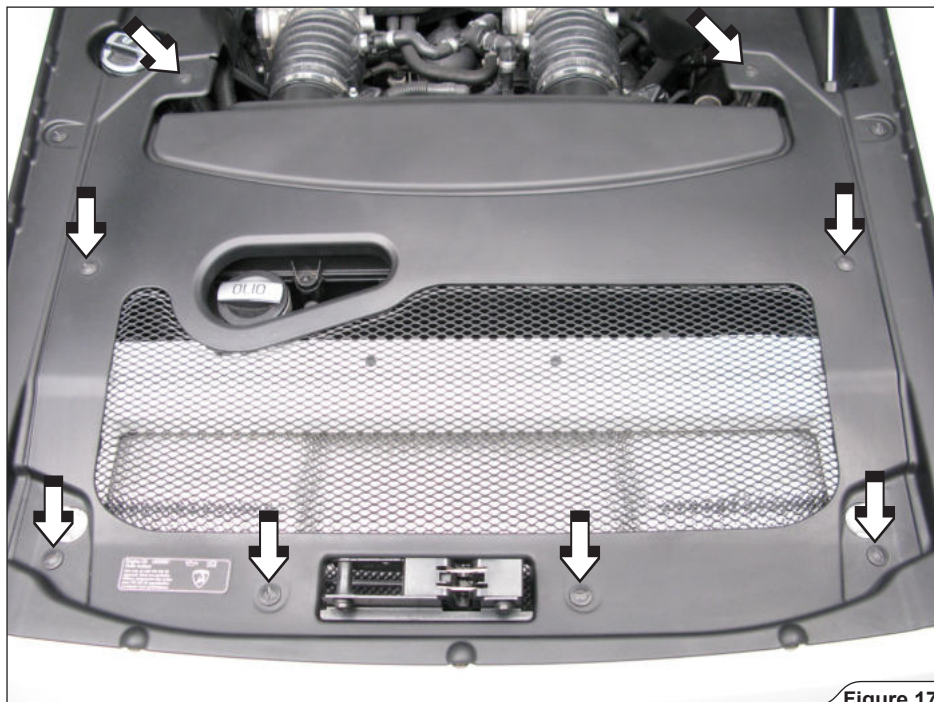


Figure 17

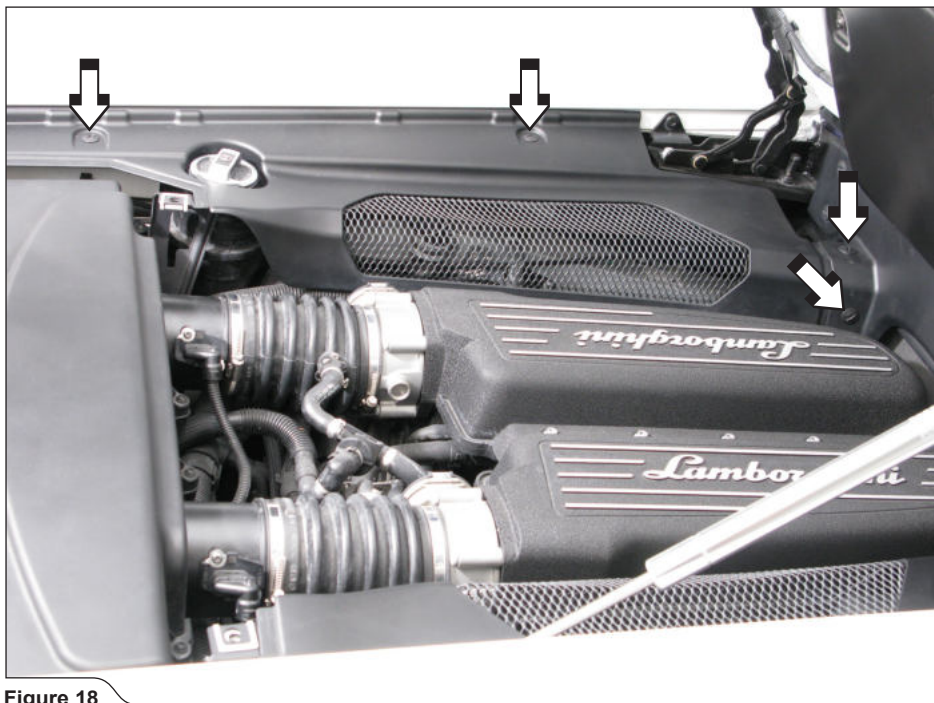


Figure 18

- ! **WARNING:** the engine hood's lifting cylinder should be dismantled during removal of the right engine panel (Figure 19); make sure, that you support the engine hood during this procedure!



Figure 19

13. Unscrew the marked bolts and remove the tail trim off the vehicle (**Figure 20**).

! **WARNING:** make sure, not to damage tail trim panel or any other part of the vehicle during this procedure!

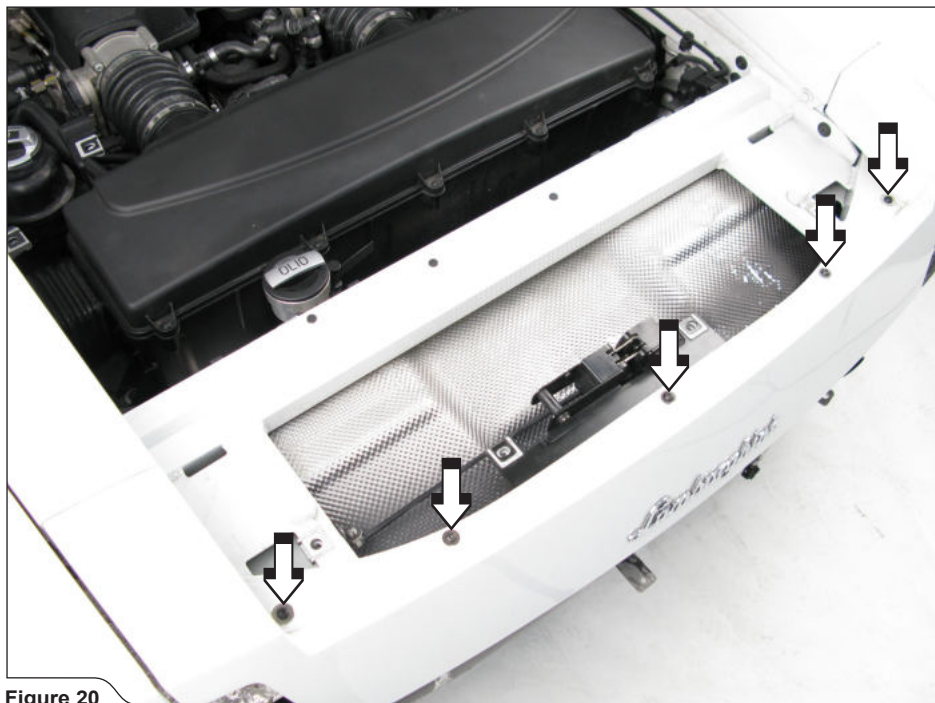


Figure 20

14. Unscrew the marked tape clamps on both sides of the vehicle and disconnect the air mass meter connectors (Figure 21).

! **WARNING:** make sure, not to damage the connectors or any other part of the vehicle during this procedure!

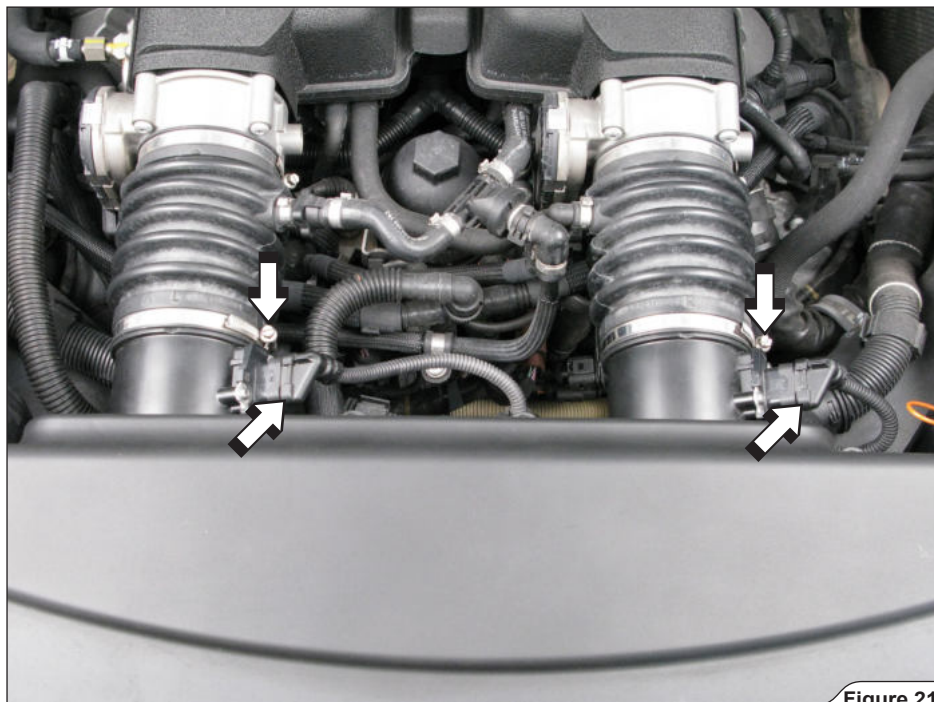


Figure 21

15. Unscrew the marked bolts on both sides of the air box and carefully remove the air box out of the engine compartment (Figure 22).

! **WARNING:** make sure, not to damage air box or any other part of the vehicle during this procedure!

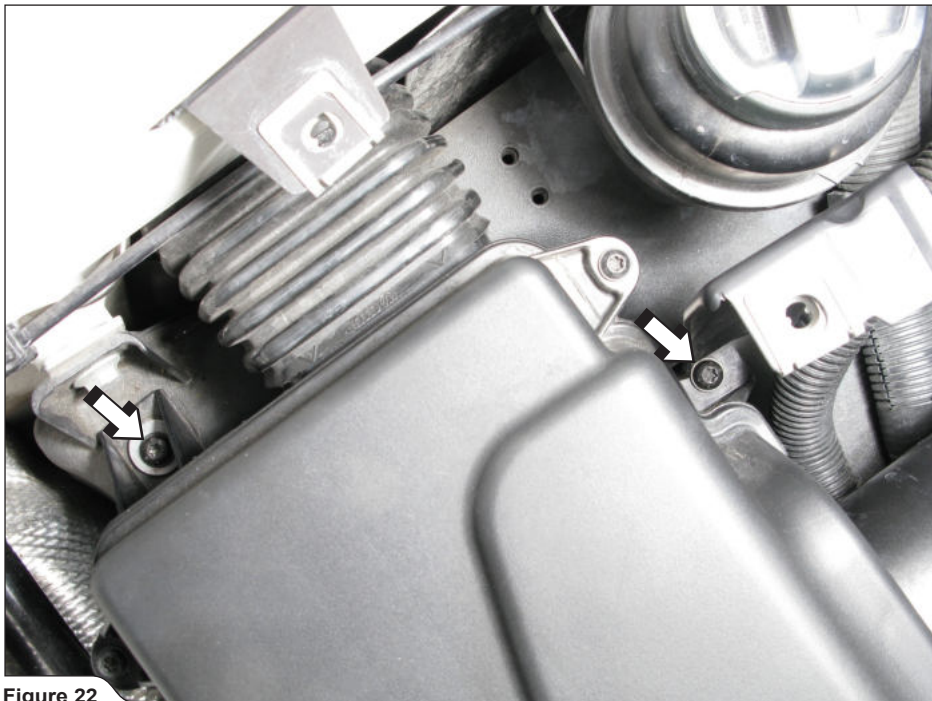


Figure 22

16. Partially remove the metal vacuum pipe and unscrew the two marked bolts (Figure 23).

! **WARNING:** make sure, not to damage the vacuum pipe, muffler heat shield or any other part of the vehicle during this procedure!



Figure 23

17. Unscrew and remove the clamps at down pipes - muffler intakes connections and carefully bend the marked parts of the muffler's heat shield, as shown (Figure 24).

! **WARNING:** make sure, not to damage the heat shield or any other part of the vehicle during this procedure!

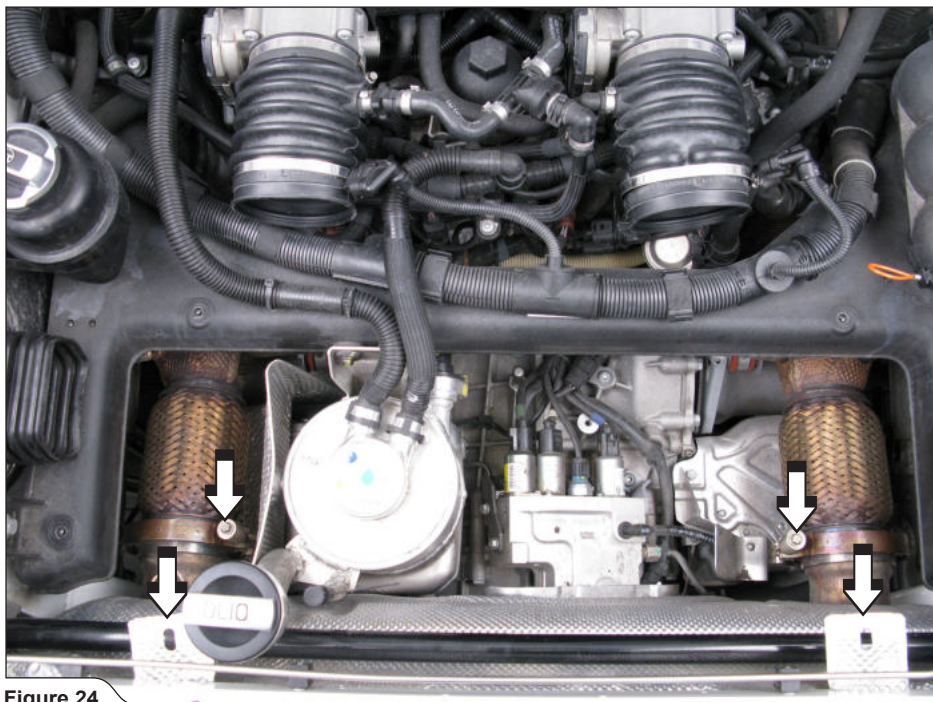


Figure 24

18. Unscrew and remove the bumper trim panel's brackets (**Figure 25**).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!



Figure 25

19. Unscrew the marked bolts on both sides of the muffler and carefully remove the muffler off the vehicle (**Figure 26, 27**).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!

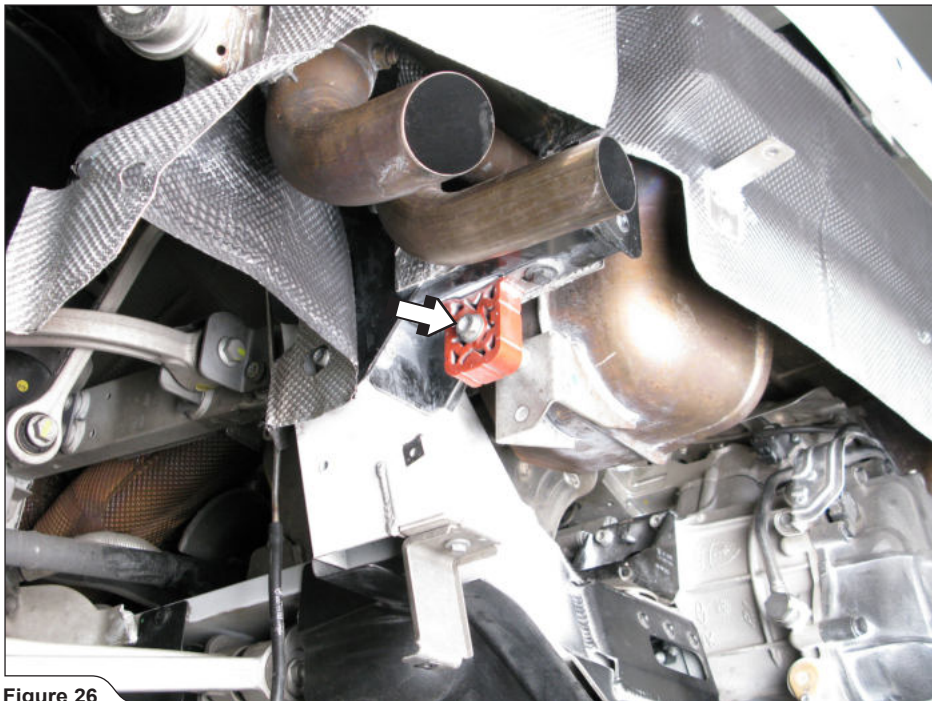


Figure 26

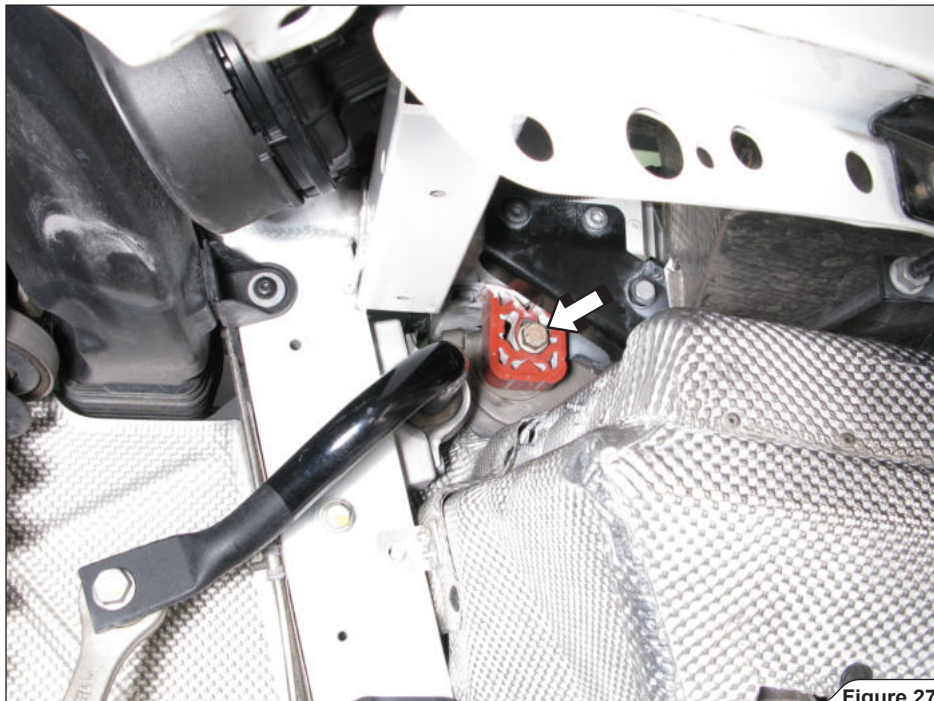


Figure 27

20. Unscrew the marked bolts and carefully remove the front part of the muffler's heat shield (Figure 28).

! **WARNING:** make sure, not to damage the heat shields or any other part of the muffler during this procedure!

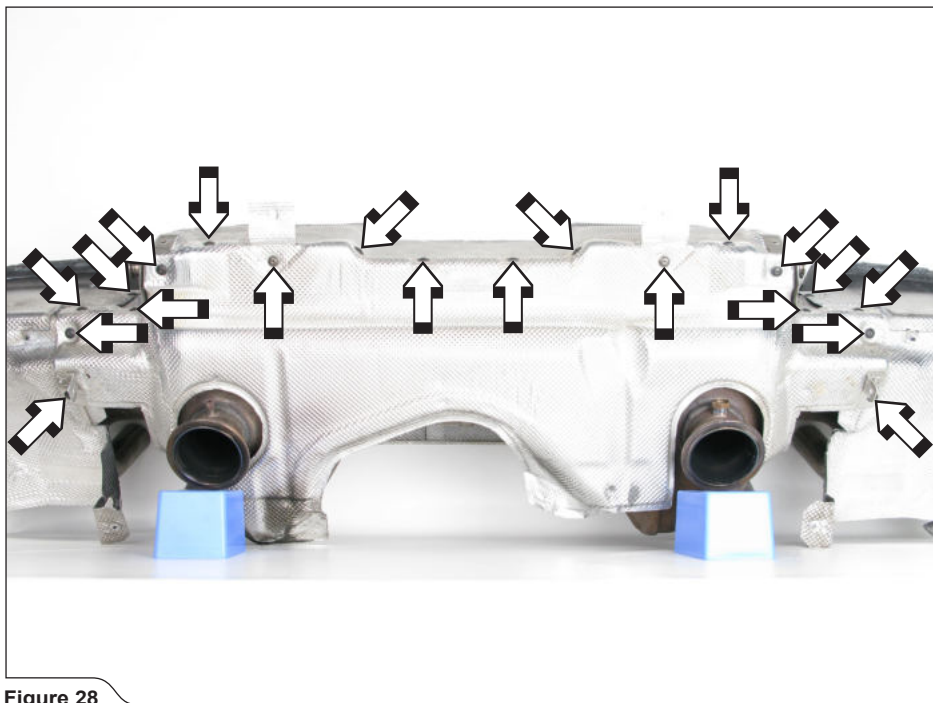


Figure 28

21. Unscrew the marked bolts on both sides of the muffler and carefully remove the side parts of the muffler's heat shield (Figure 29, 30).

! **WARNING:** make sure, not to damage the heat shields or any other part of the muffler during this procedure!



Figure 29



Figure 30

22. Undo the marked spring clip and remove the spring and washer on both sides of the muffler, than carefully remove the rear part of the muffler's heat shield (**Figure 31**).

! **WARNING:** make sure, not to damage the heat shield during this procedure!

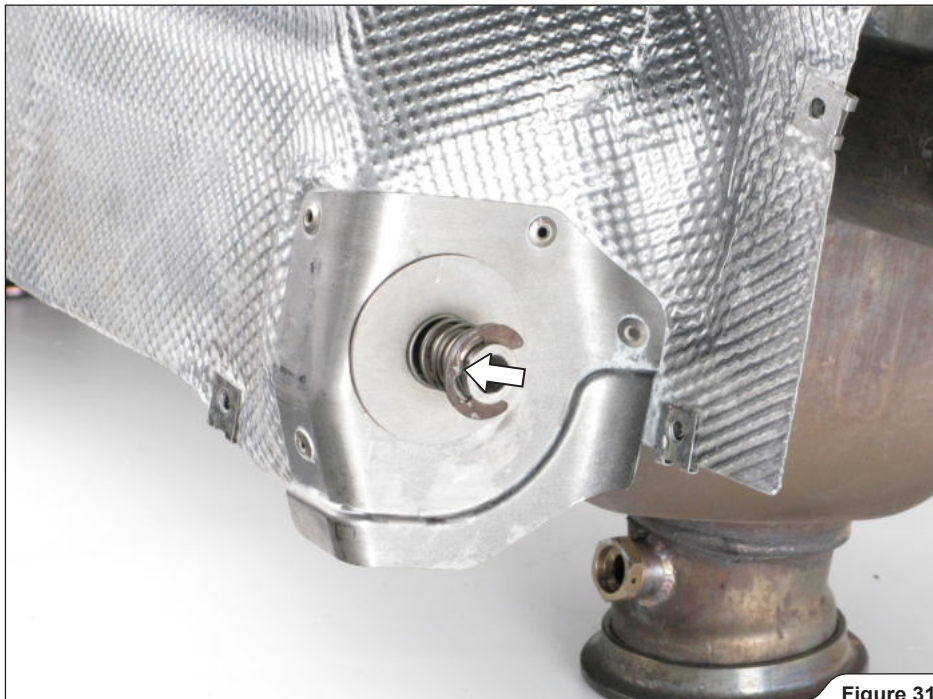


Figure 31

23. Remove the original vacuum rubber tubes off the metal vacuum tubes on both sides of the vehicle (**Figure 32**).

! **WARNING:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

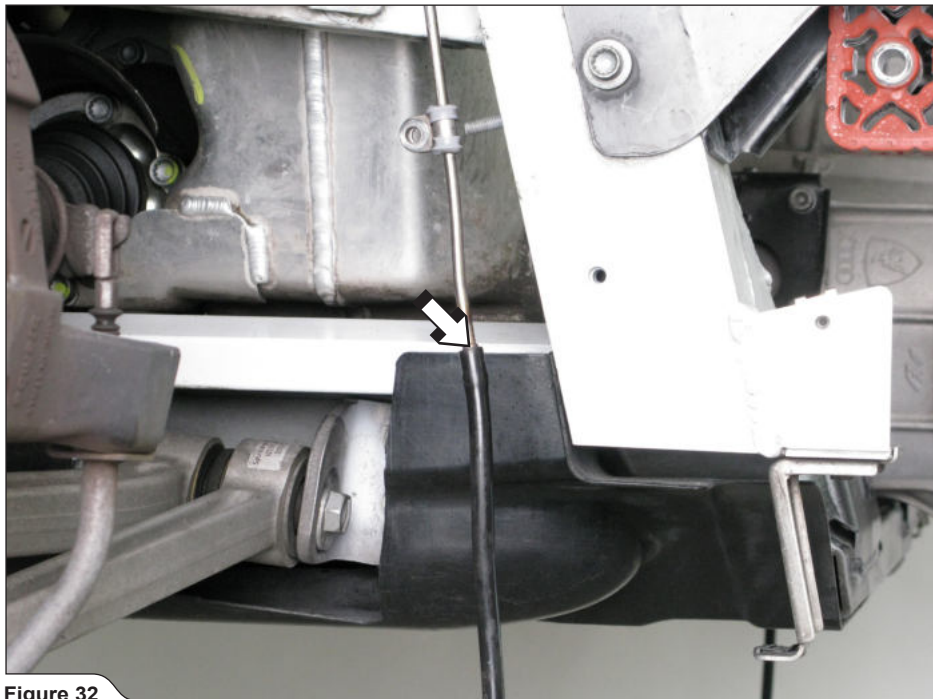


Figure 32

24. Unscrew and remove the tail pipe heat protection on both sides of the bumper trim panel (Figure 33).

! **WARNING:** make sure, not to damage the heat protection or bumper trim panel during this procedure!



Figure 33

25. Unscrew and remove both tail pipes off the bumper trim panel (Figure 34).

! **WARNING:** make sure, not to damage the bumper trim panel during this procedure!



Figure 34

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Assemble the heat protection, tape clamps and rubber vacuum tubes from Akrapovič installation kit, as shown (**Figure 35**).

! CAUTION: do not tighten the clamps yet!



Figure 35

2. Mount the rear part of the original muffler's heat shield onto the Akrapovič muffler, using stock washers, springs and spring clips (**Figure 36**).

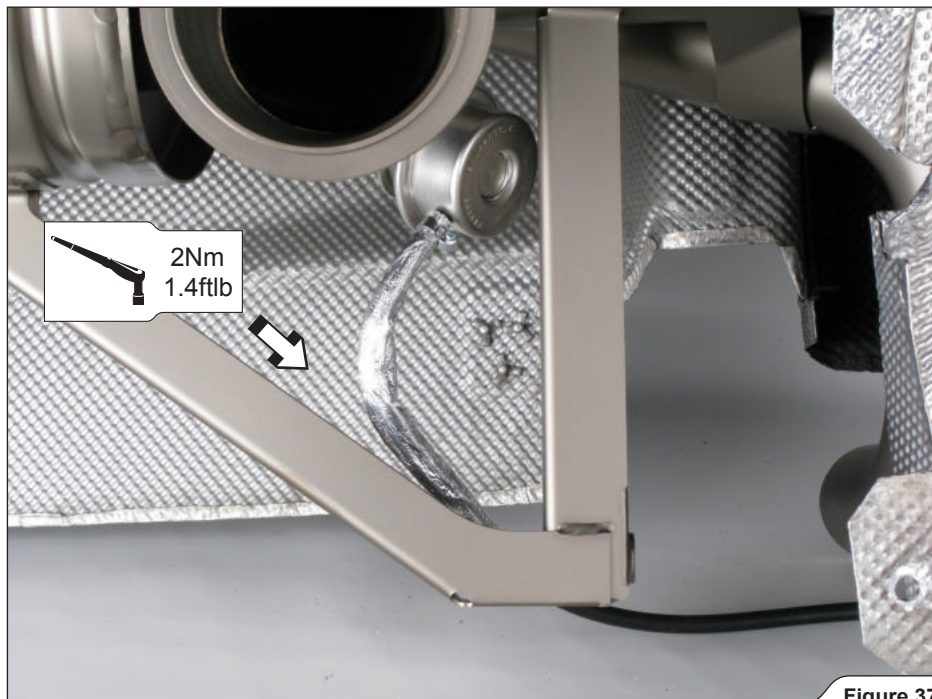
! **WARNING:** make sure, not to damage the muffler or heat shield during this procedure!



Figure 36

3. Attach the longer Akrapovič (900mm) rubber vacuum tube onto the left exhaust valve actuator and tighten the tape clamp (**Figure 37**).

! **CAUTION:** make sure to correctly direct the vacuum tube!



- Attach the shorter Akrapovič (600mm) rubber vacuum tube onto the right exhaust valve actuator and tighten the tape clamp (**Figure 38**).

! **CAUTION:** make sure to correctly direct the vacuum tube!

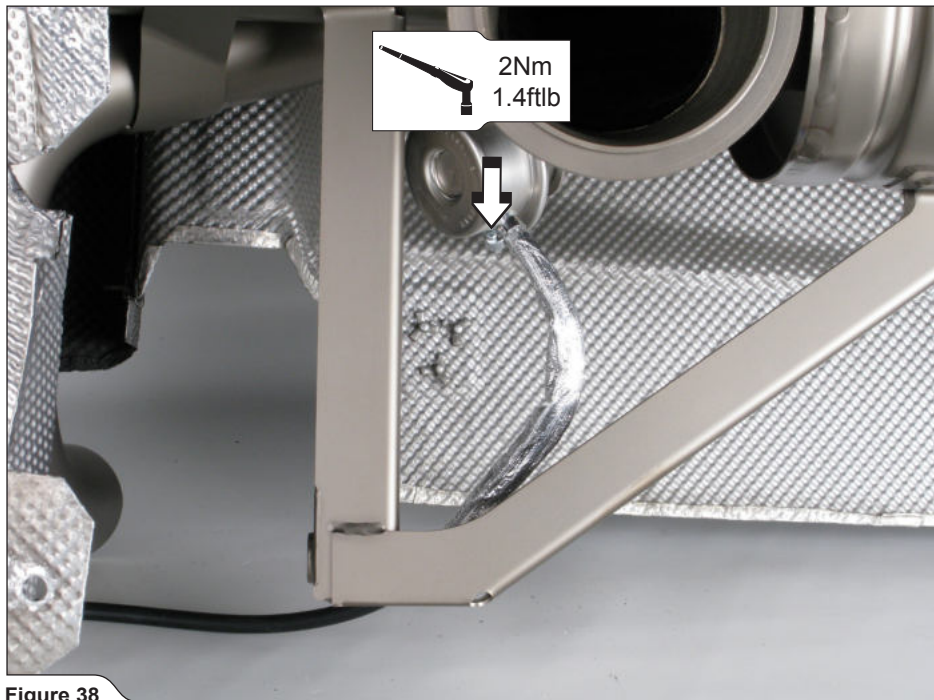


Figure 38

5. Mount the front and side parts of the original muffler's heat shield onto the Akrapovič muffler in the reverse order from the order in which they were removed; use original bolts (Figure 39, 40).

! **CAUTION:** make sure, that vacuum tubes are not bent or obstructed in any way!

! **WARNING:** make sure, not to damage the heat shields during this procedure!

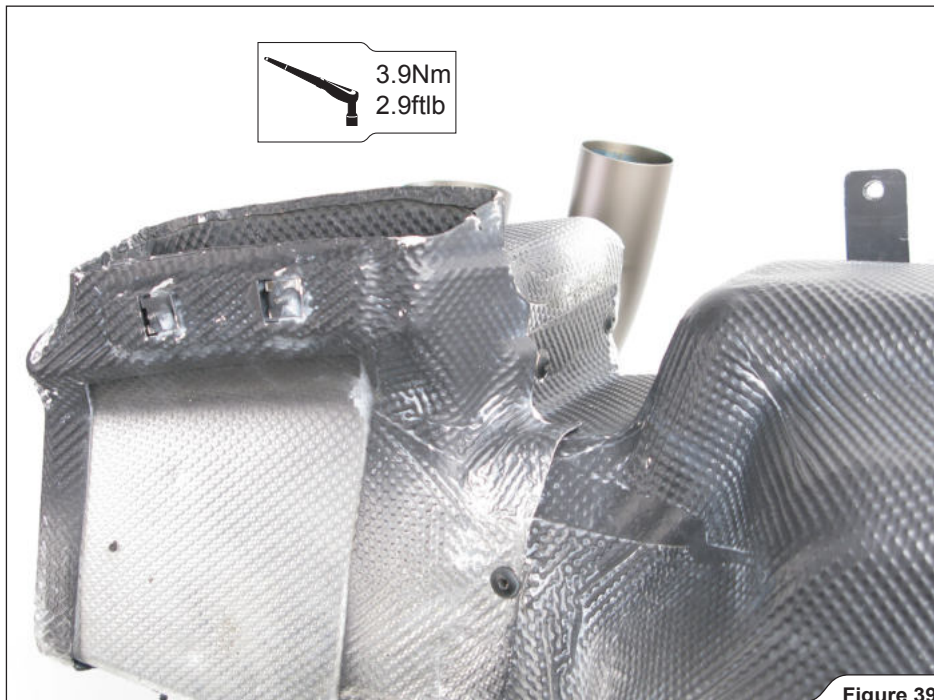


Figure 39

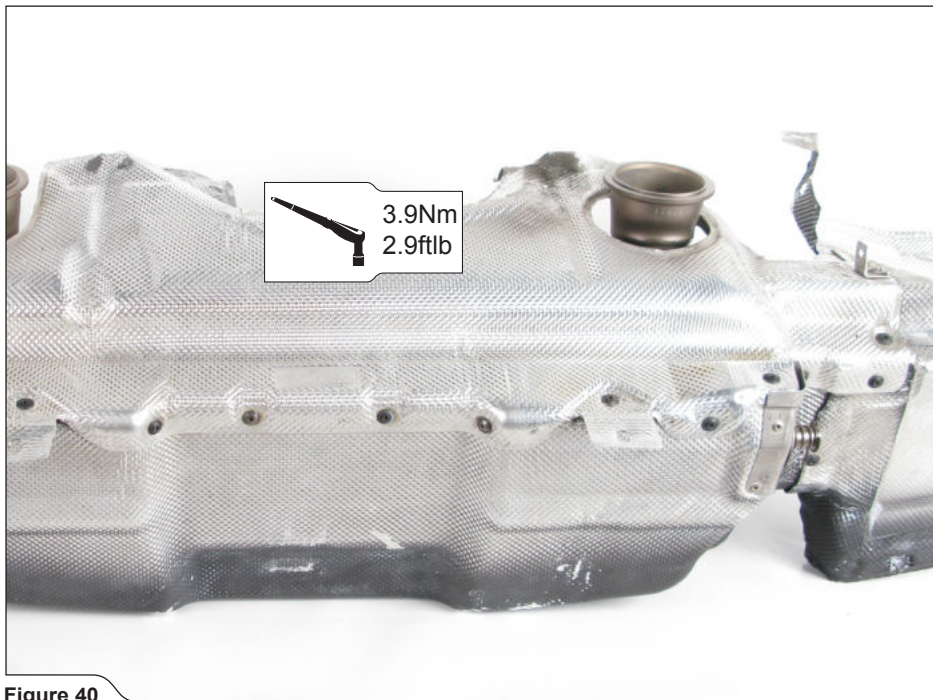


Figure 40

- Carefully attach the assembled muffler onto the chassis, using stock bolts, washers and distance bushes; tighten the bolts to a specified torque (**Figure 41, 42**).

! **WARNING:** make sure, not to damage any part of the vehicle during this procedure!

! **CAUTION:** adjust the stock muffler's brackets if needed!

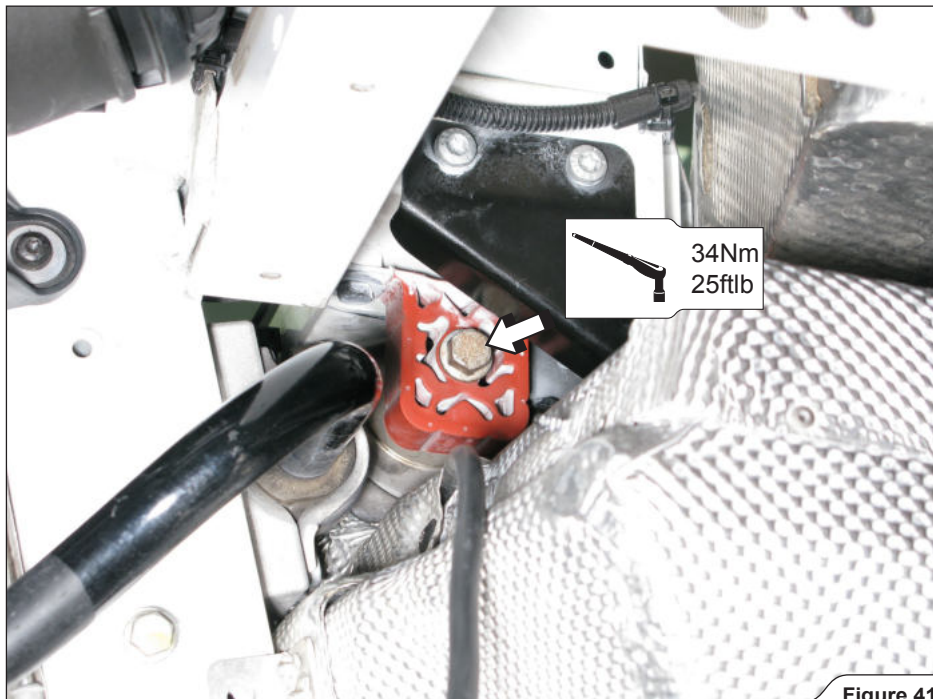


Figure 41

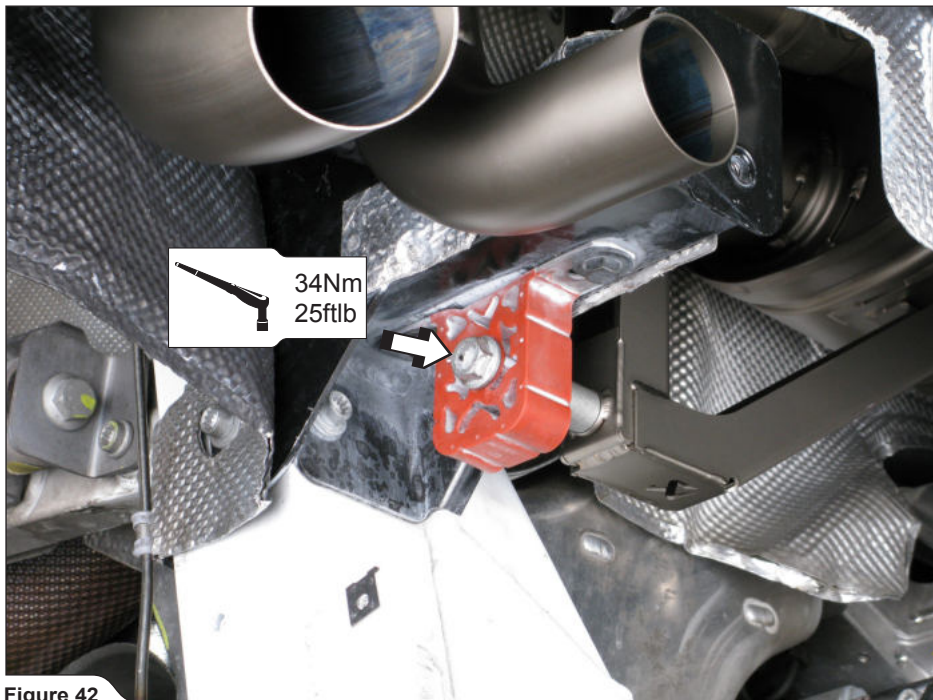


Figure 42

7. Tighten the stock muffler's connection clamps on both sides of the engine to the specified torque (**Figure 43**).

! **CAUTION:** make sure, that muffler's inlet flanges are correctly assembled with the stock down pipe's flanges, before tightening the connection clamps!

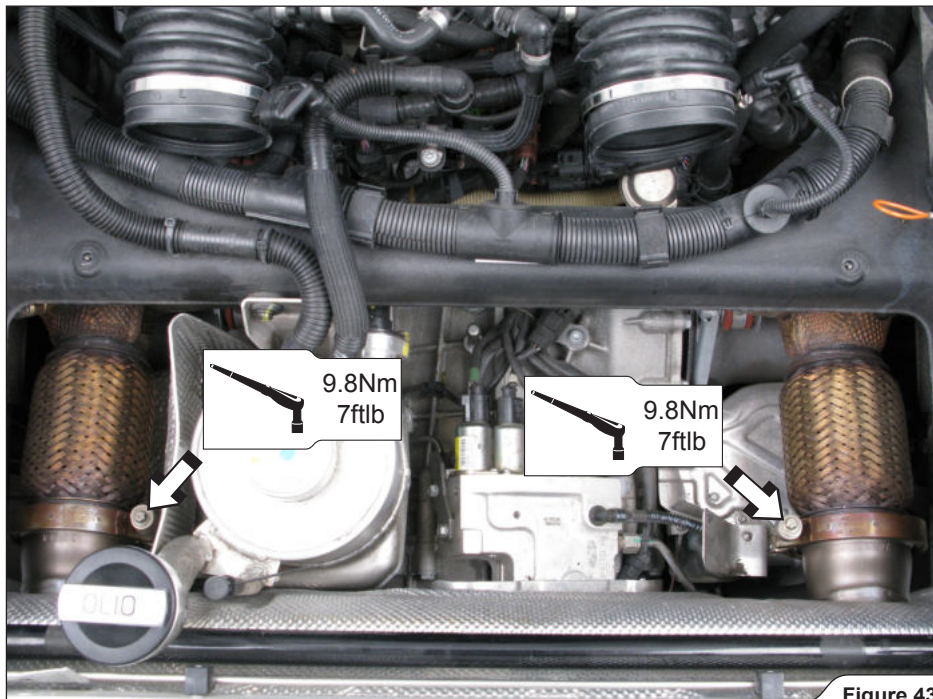


Figure 43

8. Direct the vacuum tubes as shown, shorten the left vacuum tube to appropriate length and connect the Akrapovič vacuum tubes to the stock metal vacuum tubes on both sides of the vehicle (Figure 44, 45).

! **WARNING:** direct the vacuum tubes in such a way, that they don't touch any hot or moving parts!

! **CAUTION:** make sure, that vacuum tubes are not bent or obstruct in any way!



Figure 44

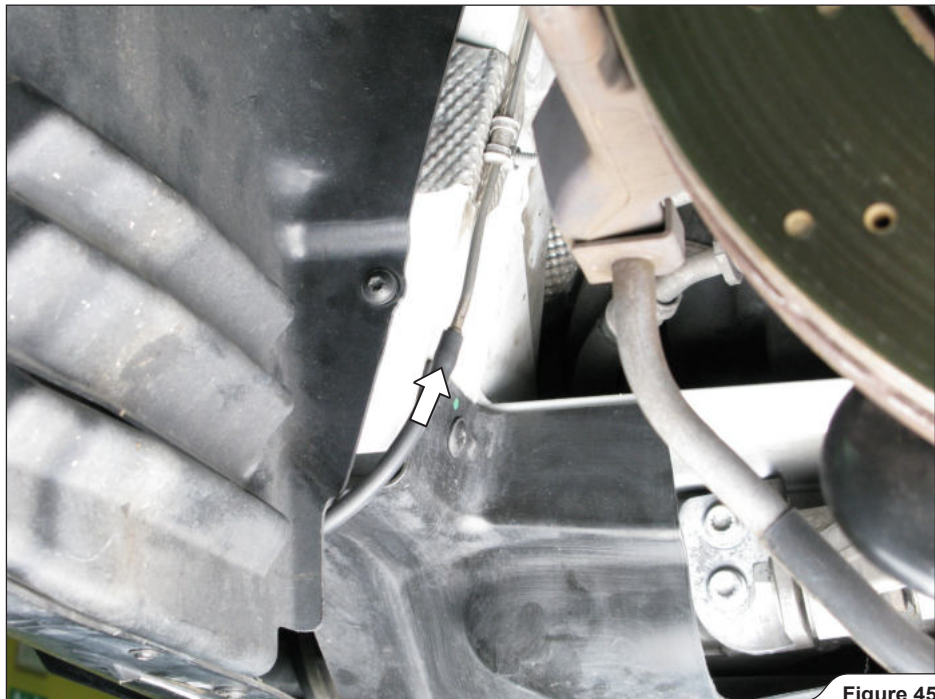


Figure 45

9. Attach the Akrapovič Tail Pipes onto the bumper trim panel, using stock bolts. (Figure 46).

! **WARNING:** make sure, not to damage the bumper trim panel or any other part of the vehicle during this procedure!

! **CAUTION:** in case if stock heat shields are touching the tail pipes: carefully bent the heat shields out of the way!

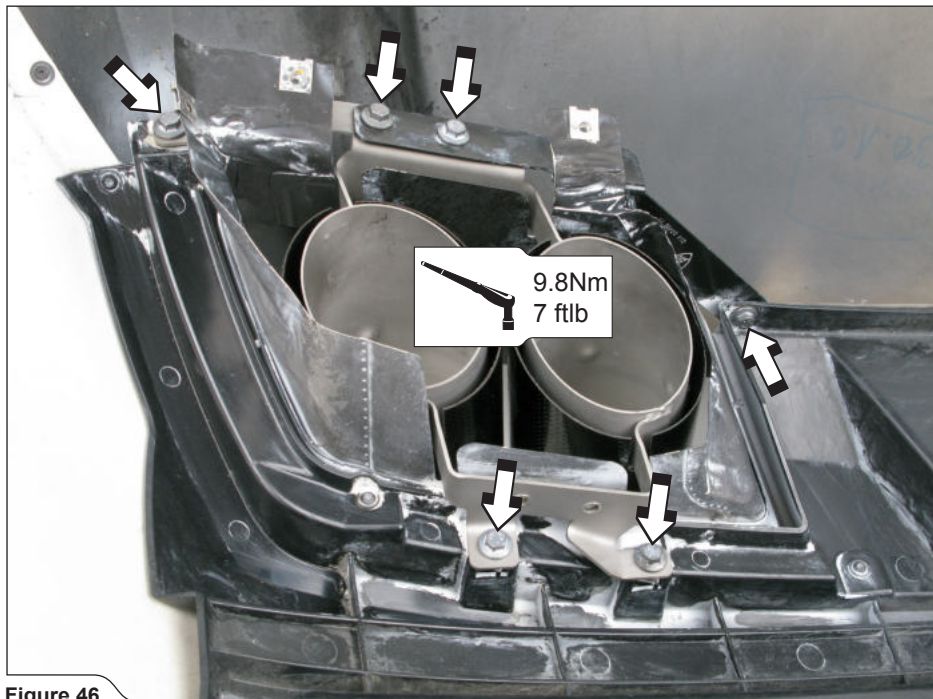


Figure 46

10. Install the stock tail pipe heat protection on both sides of the bumper trim panel, using stock-bolts (Figure 47).

! **WARNING:** make sure, not to damage the heat protection or bumper trim panel during this procedure!

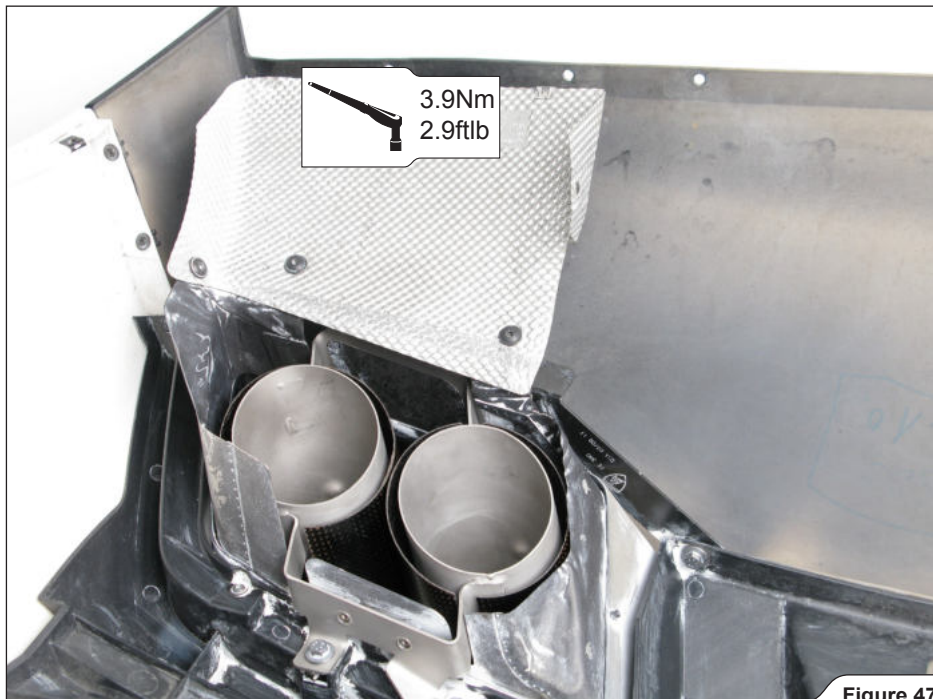


Figure 47

11. Replace all dismantled heat shields, bumper carrier, tail lights, tail trim, pop up spoiler, bumper trim panel, wheel arch panels, rear wheels and diffuser in the reverse order from the order in which they were removed. Check vehicle manufacturer manual for tightening torques.

! CAUTION: make sure, that you connect all disconnected electrical connectors!

12. **For optional wireless kit only:** locate the electromagnetic valve in the right side of the engine compartment. Disconnect the marked wiring harness-connector (**Figure 48**).

! WARNING: make sure, not to damage the connector or any other part of the vehicle during this procedure!

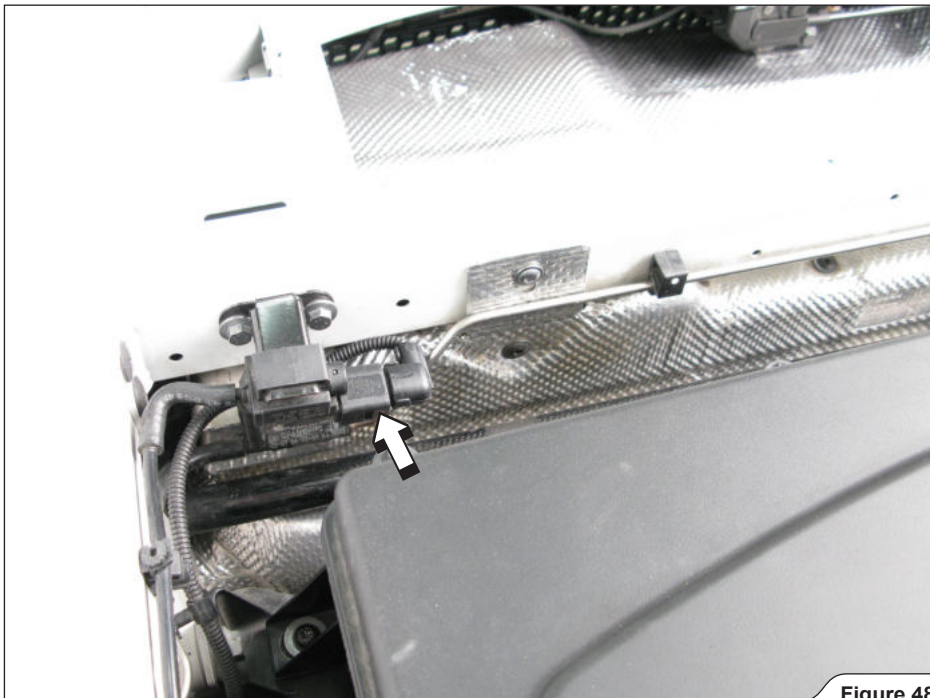


Figure 48

13. **For optional wireless kit only:** connect the Akrapovič wiring harness (female connector) to the stock electromagnetic valve, connect the Akrapovič wiring harness (male connector) to the stock wiring harness (female connector), tighten the ground connector (black thin wire) with stock bolt with valve's bracket onto the chassis and secure the wiring harness and transmitter using 250mm tie wraps from installation kit, onto the chassis (**Figure 49, 50**).

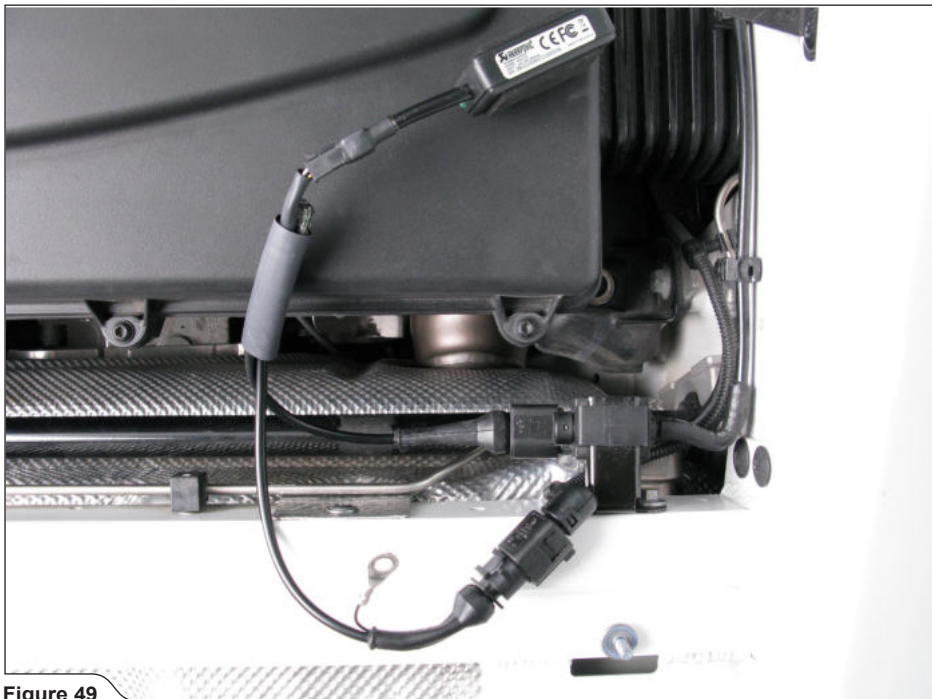
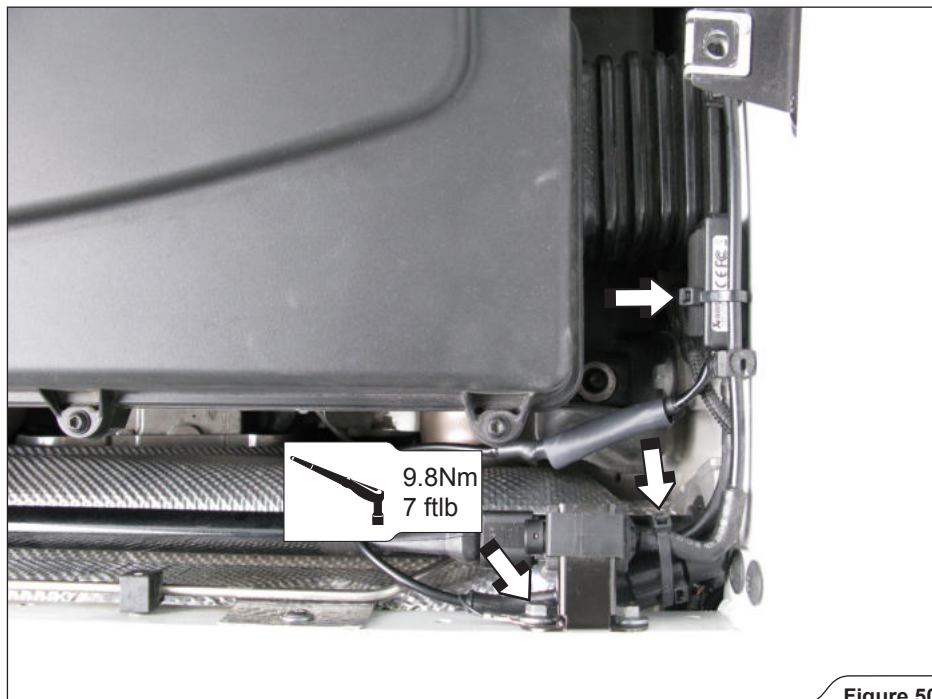


Figure 49

! CAUTION: : in case of broken supplied fuse, use only 2A automotive mini-blade fuse!



! CAUTION: secure all vacuum tubing connections, using clamps from Akrapovič installation kit! Install the clamps with corresponding tube clamp pliers (Figure 51).



Figure 51

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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