



Installation instructions

Akrapovič Exhaust Systems:
Slip-On and Evolution
for the
Chevrolet Corvette (type Z06&ZR1)



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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 Torx E12 wrench
T-handle Torx TX15mm wrench
Socket 15mm wrench
Socket 18mm wrench
Socket 21mm wrench
Combination 8mm wrench
T-handle 7mm wrench
T-handle 13mm wrench
T-handle swivelling 15mm wrench



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 CORVETTE ZR1. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER MODELS.



WHEN INSTALLING AKRAPOVIČ'S AFTERMARKET OPTIONAL DOWN PIPES WITHOUT CATALYTIC CONVERTERS, WHICH ARE DEVELOPED FOR USE ON CLOSED TRACKS ONLY, REMAPPING OF THE ECU IS MANDATORY. THE AKRAPOVIČ COMPANY TAKES NO RESPONSIBILITY FOR ECU REMAPPING OR ANY POTENTIAL ISSUES RELATED TO THE USE OF AKRAPOVIČ DOWN PIPES.



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

1. **For Slip-On and Evolution:** unscrew the marked bolts and nuts. Move the drag link out of the way (Figure 1, 2).

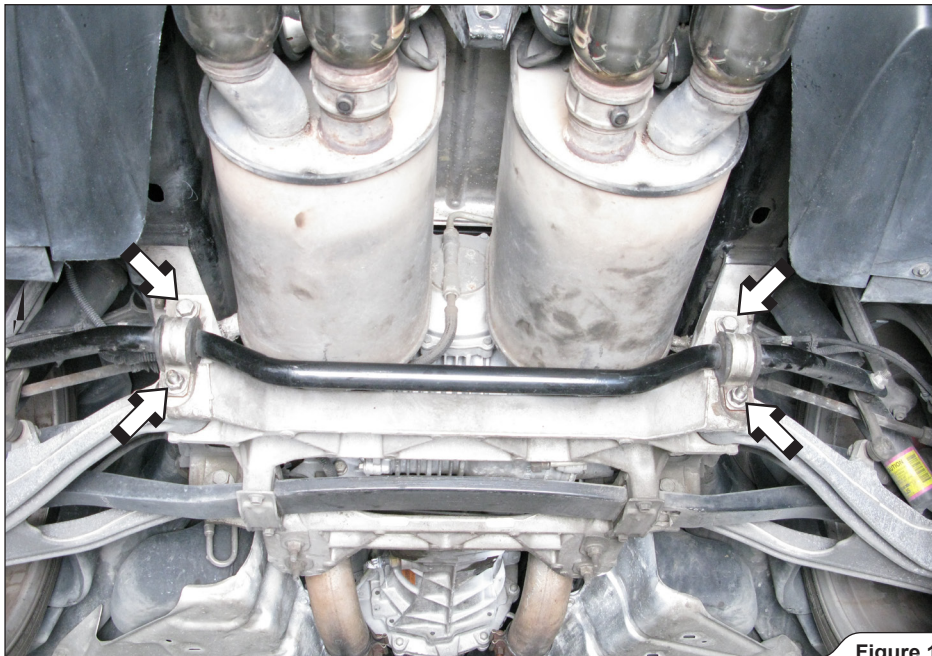


Figure 1

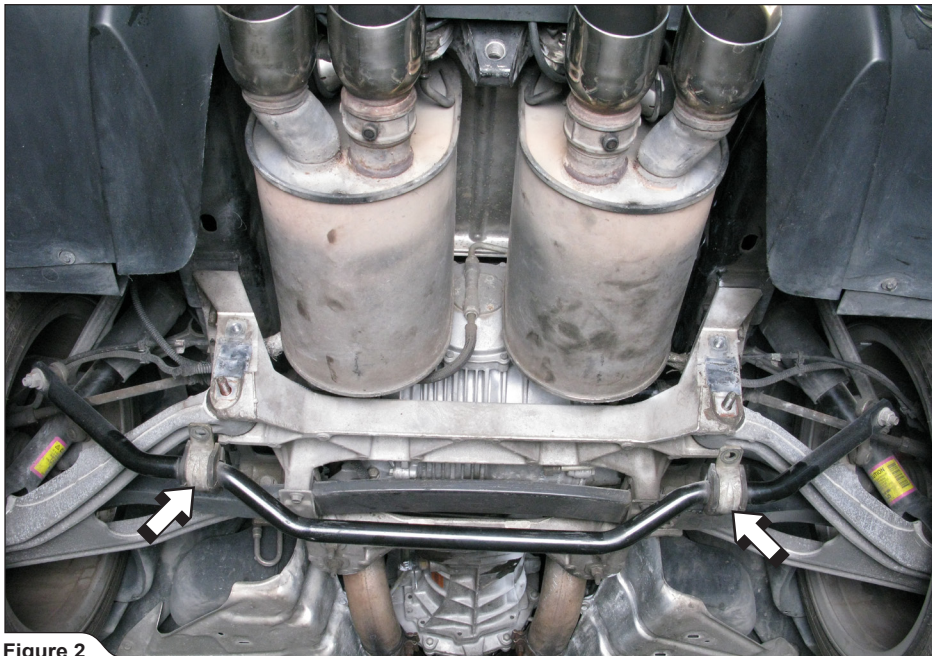


Figure 2

2. **For Slip-On and Evolution:** for easier dismounting and installation of exhaust system, untighten and lower the rear control arms brackets on both sides of the vehicle (**Figure 3, 4**).

! **WARNING:** do not fully unscrew the control arm bracket nuts!



Figure 3

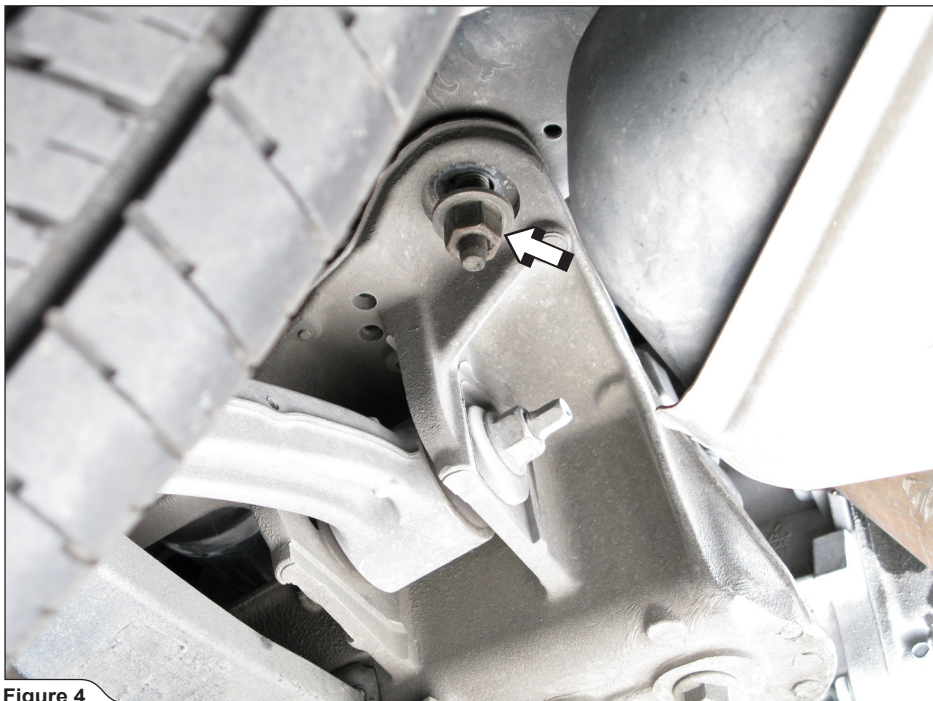


Figure 4

3. **For Slip-On and Evolution:** pull the vacuum tubes off the exhaust valves on both sides of the vehicle (**Figure 5**).



Figure 5

4. For Slip-On and Evolution: untighten the marked clamps (Figure 6).

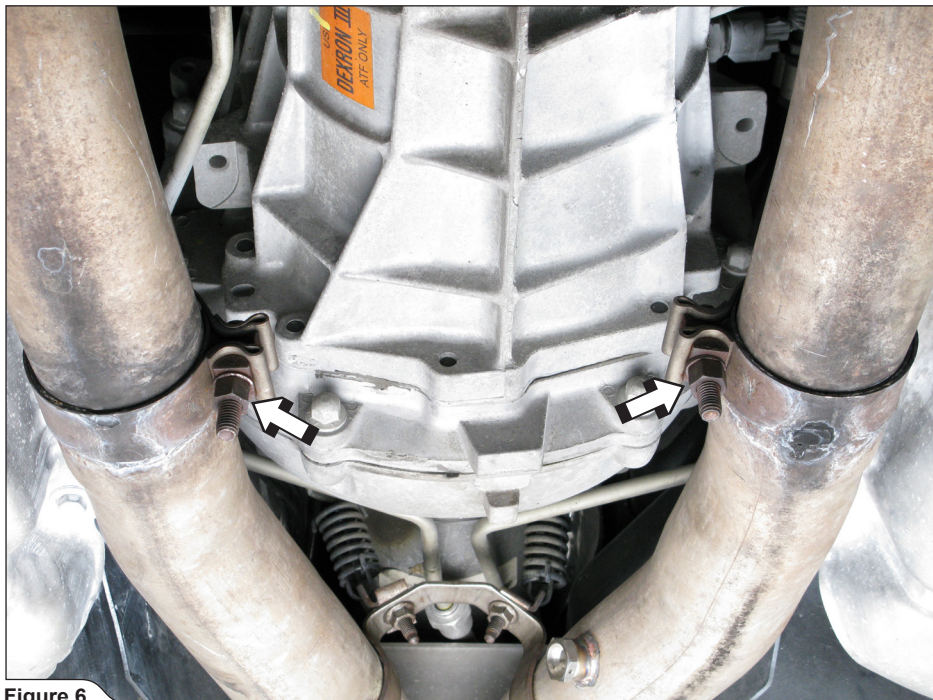


Figure 6

5. **For Slip-On and Evolution:** pull the marked rubber brackets off the mufflers. Remove the mufflers off the vehicle (**Figure 7**).

! **WARNING:** make sure, that you don't damage any part of the vehicle during this process!



Figure 7

6. **For Evolution only:** unscrew the marked bolts and nuts (**Figure 8**).

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

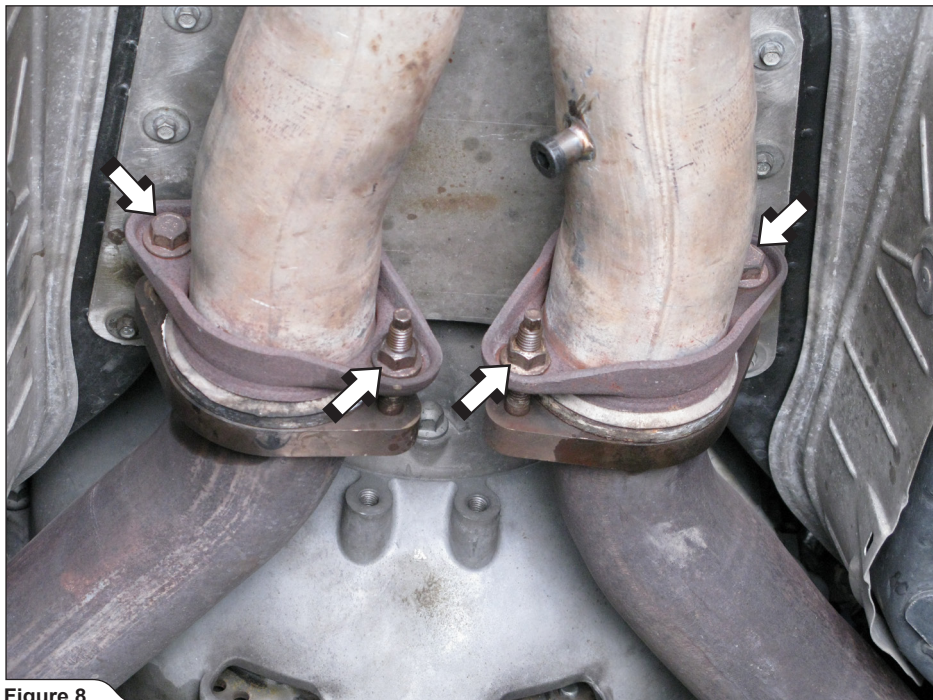


Figure 8

7. **For Evolution only:** unscrew the marked nuts. Remove the front exhaust tubes off the vehicle (Figure 9).

! **WARNING:** make sure, that you don't damage any part of the vehicle during this process!

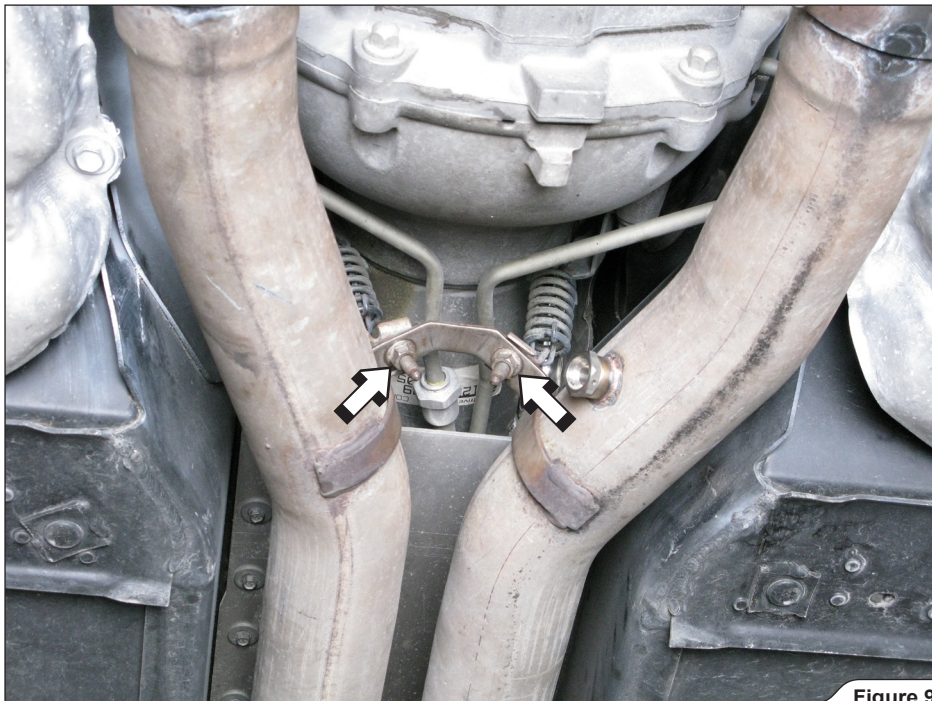


Figure 9

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. **For Evolution only:** correctly assemble the clamps onto Akrapovič front tubes and tighten the front tubes bracket (**Figure 10**).

! **WARNING:** use anti-seize copper paste on all nut threads!

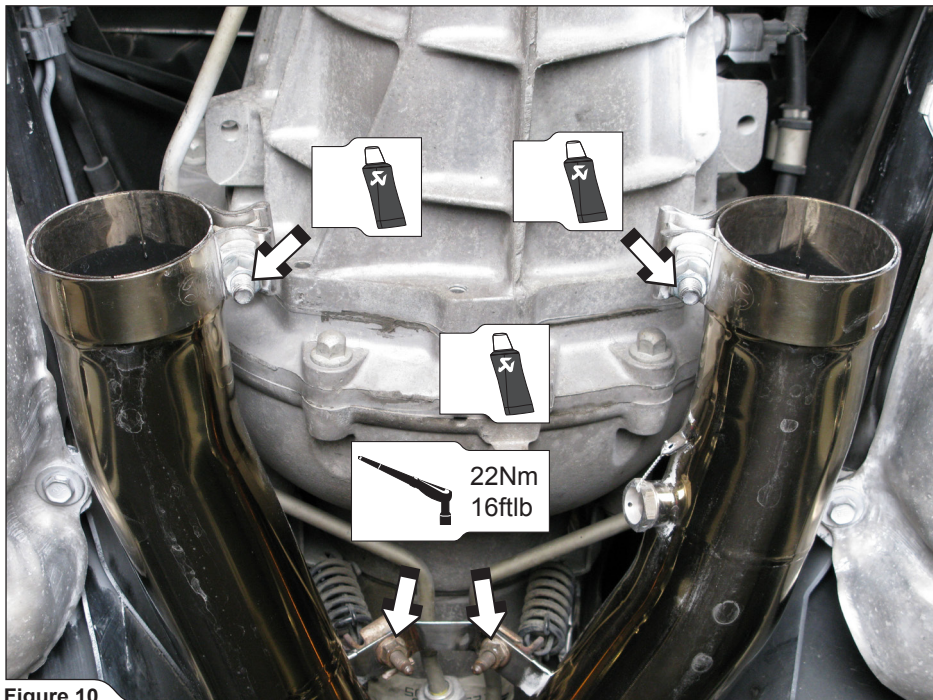
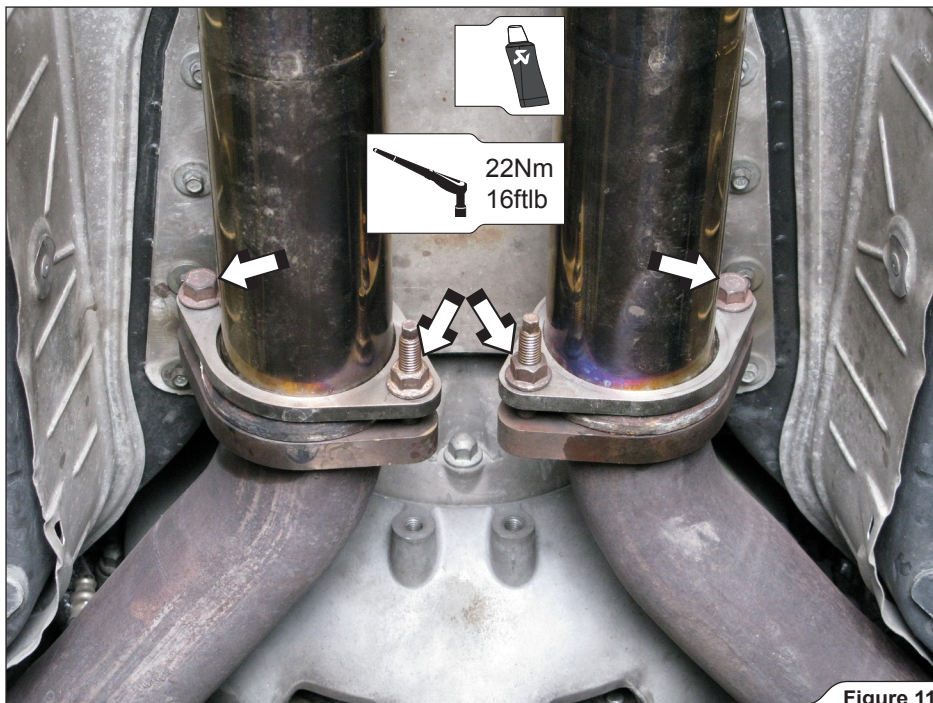


Figure 10

2. **For Evolution only:** tighten the Akrapovič front tubes flanges to a specified torque (**Figure 11**).

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

! **CAUTION:** use new exhaust gaskets in Akrapovič front tubes - stock header tubes joints!



3. **For Slip-On and Evolution:** displace the stock vacuum actuators from stock mufflers to Akrapovič mufflers (**Figure 12**).

! **CAUTION:** do not swap the left and right side vacuum actuators (they are not symmetrical)!

! **WARNING:** use anti-seize copper paste on all nut threads and vacuum actuator ball joints!

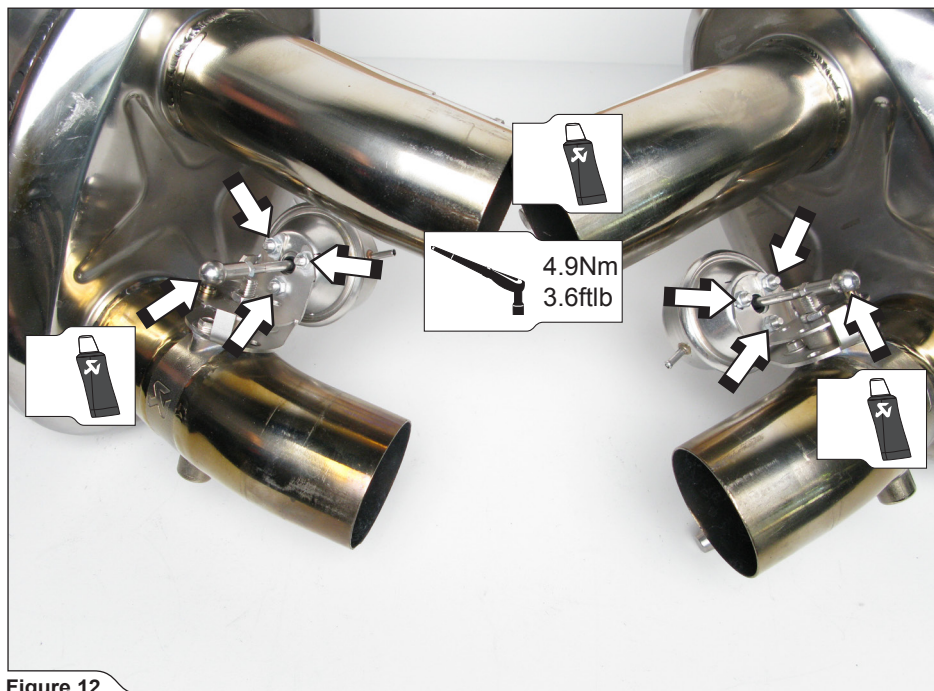


Figure 12

4. **For Slip-On and Evolution:** route the muffler inlet tubes over the differential and hang the mufflers onto the stock rubber brackets. Connect the vacuum tubes with vacuum actuators (**Figure 13, 14**).

✘ INSTALLATION TIP: for easier mounting, lubricate the stock rubber brackets.

! WARNING: make sure, that you don't damage any part of the vehicle during this process!

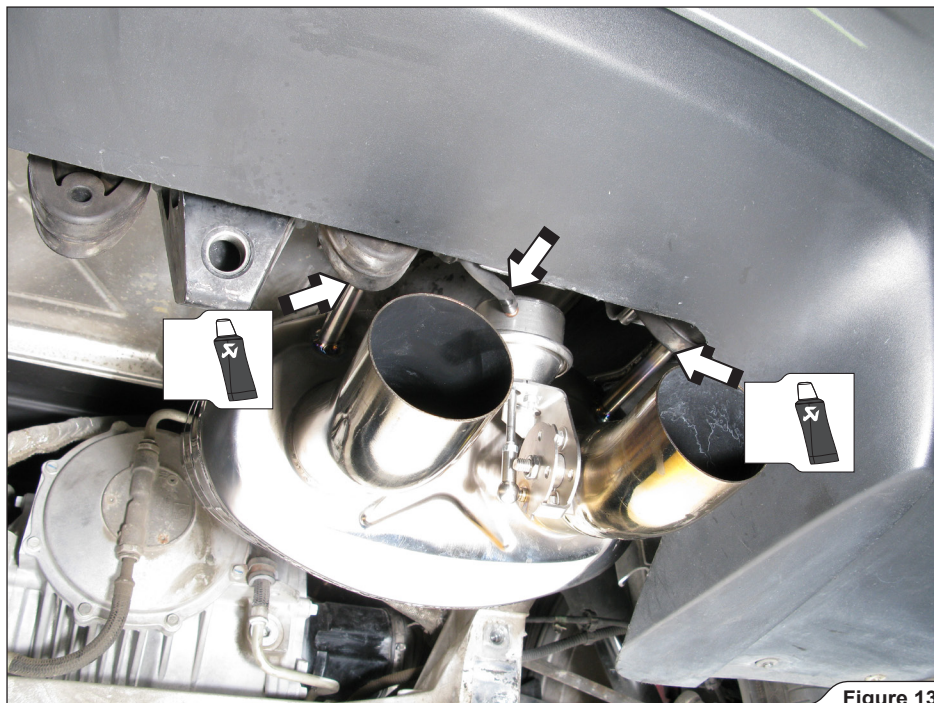


Figure 13

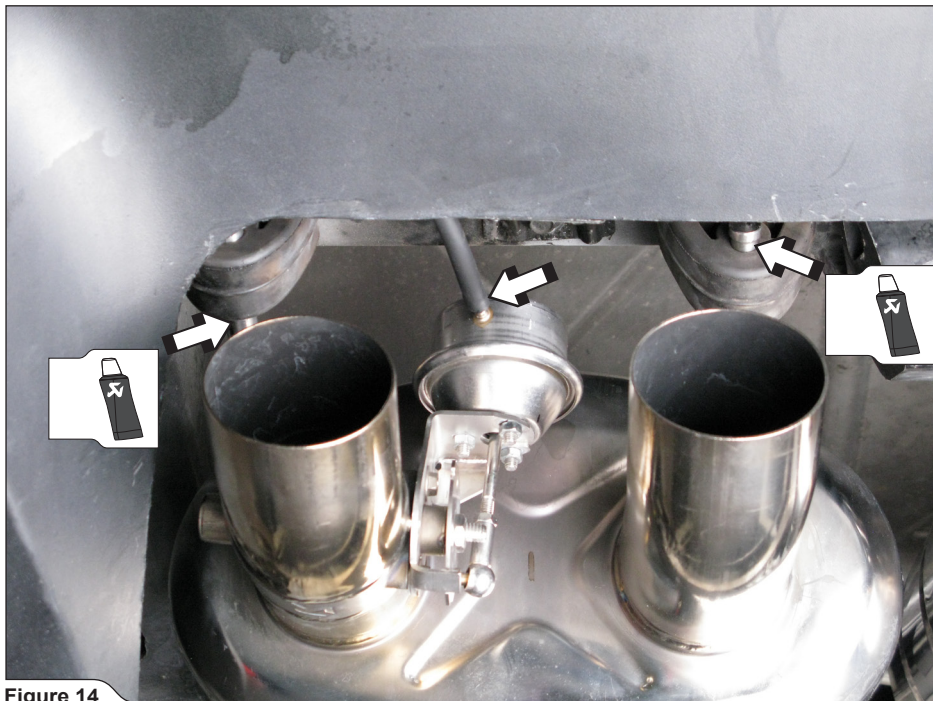


Figure 14

5. **For Slip-On and Evolution:** slide the muffler inlet tubes into the front tubes and tighten the metal clamps to a specified torque (**Figure 15**).

✂ INSTALLATION TIP: in case of Evolution titanium exhaust system option, coat the interior of the outlet bushes of the front tubes with ceramic grease (white tube).

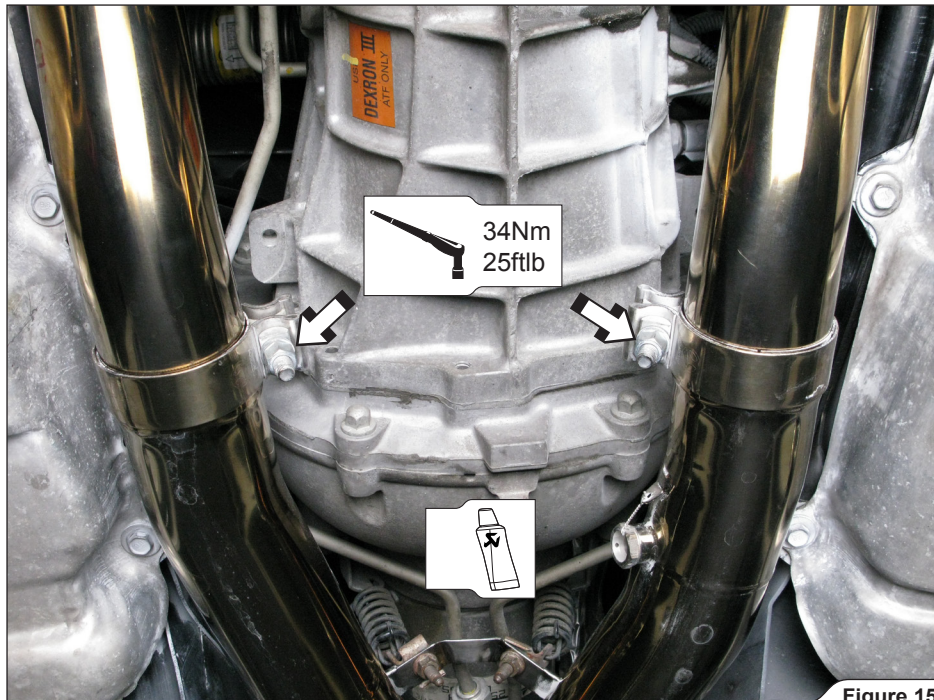


Figure 15

6. **For Slip-On and Evolution:** tighten the rear control arms brackets and drag link on both sides of the vehicle, to specified torques (**Figure 16, 17**).

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

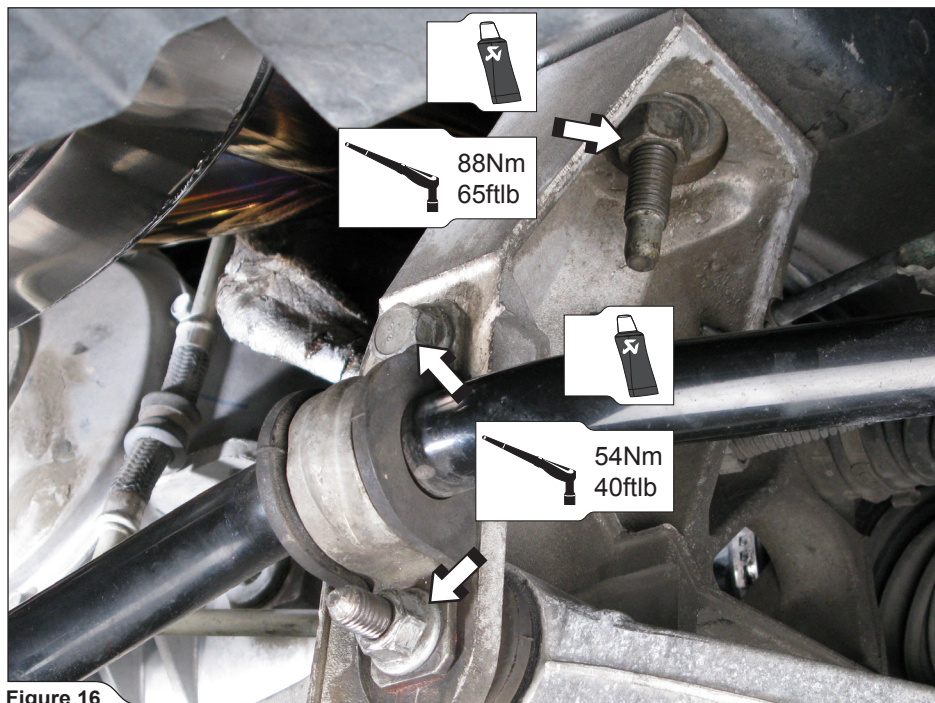


Figure 16

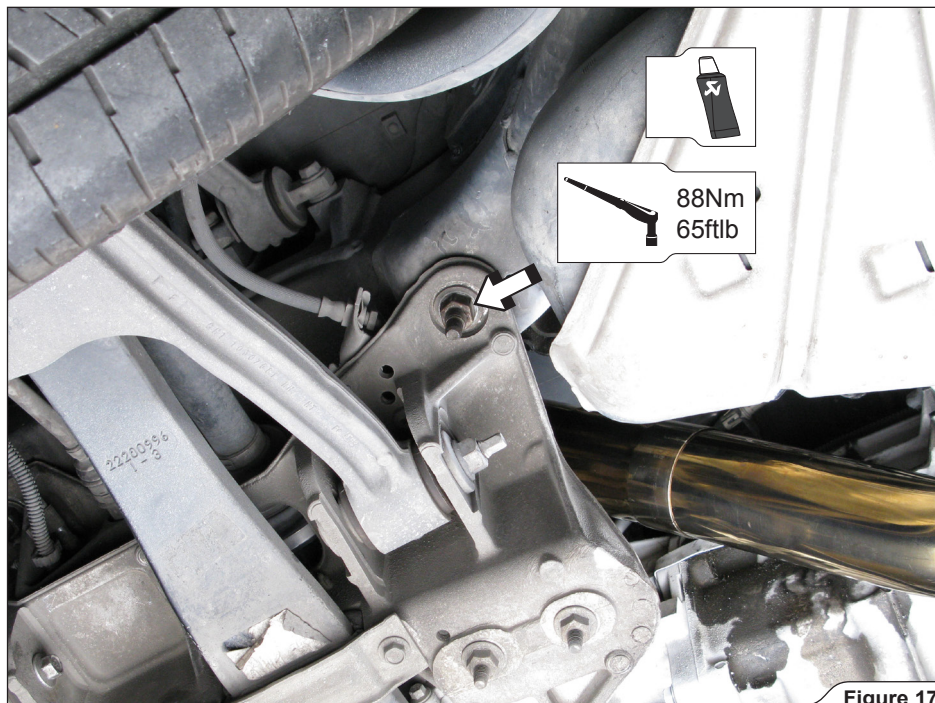


Figure 17

7. **For Slip-On and Evolution:** adjust the position of the mufflers (note proper gaps) and tighten the mufflers connection, using Akrapovič M8x16 bolt and nut (**Figure 18**).

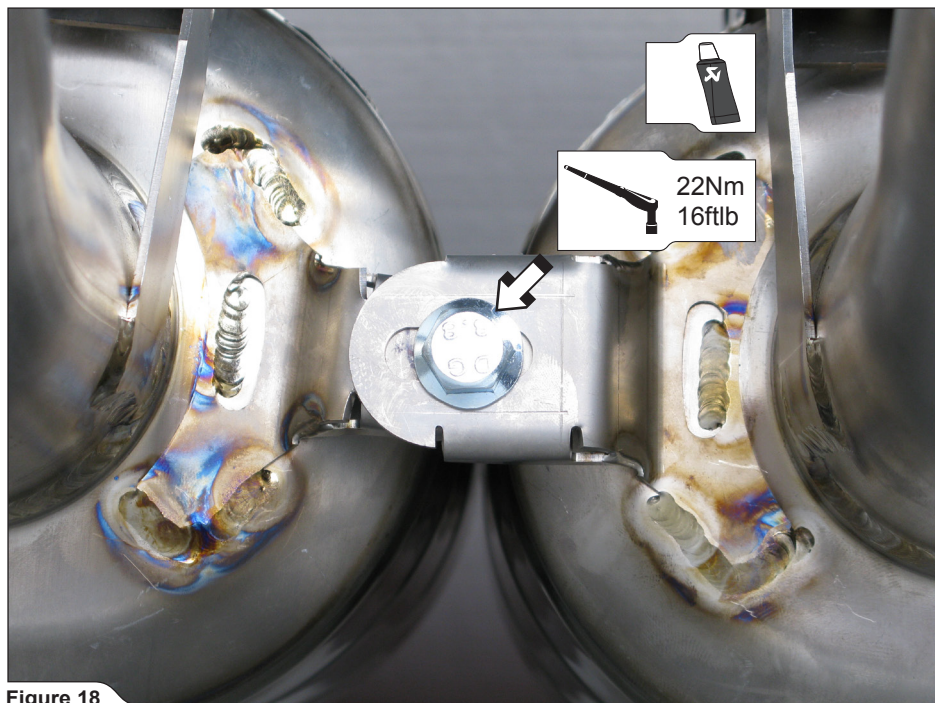


Figure 18

8. **For Slip-On and Evolution:** secure the hand brake cables with tie wraps, as shown (Figure 19).
! WARNING: make sure, that hand brake cables don't touch any part of the exhaust!

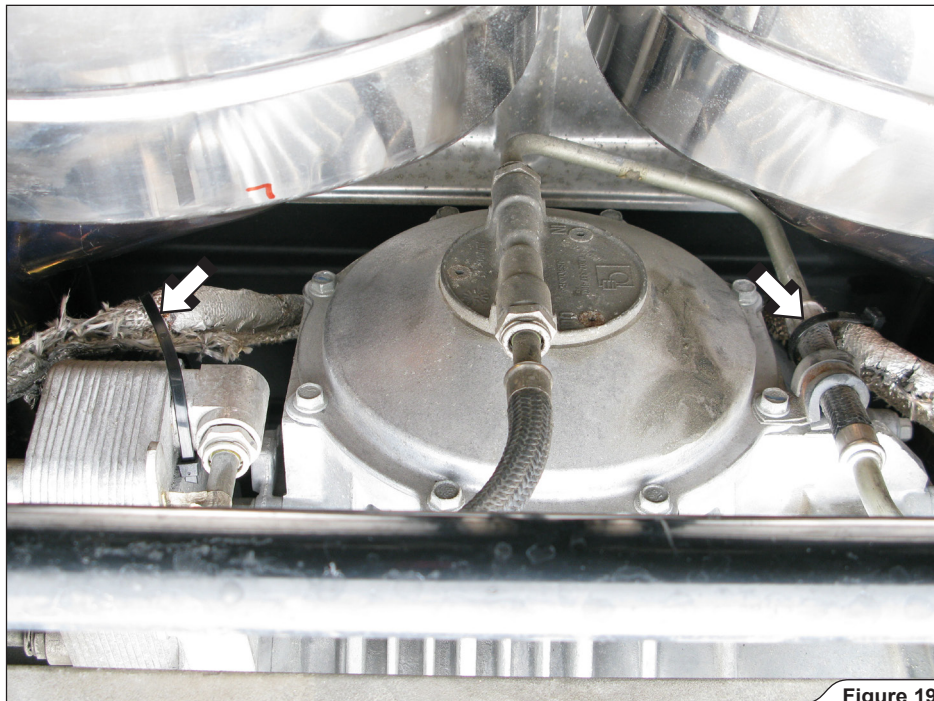


Figure 19

9. **For Slip-On and Evolution:** assemble the clamps and spherical rings onto the tail pipes as shown (Figure 20).

! **WARNING:** use anti-seize copper paste on clamp bolt threads!



Figure 20

10. **For Slip-On and Evolution:** slide the tail-pipes onto the muffler outlets. Center them in respect to rear bumper (**Figure 21**).



Figure 21

11. For Slip-On and Evolution: tighten the tail pipe clamps to a specified torque (Figure 22).

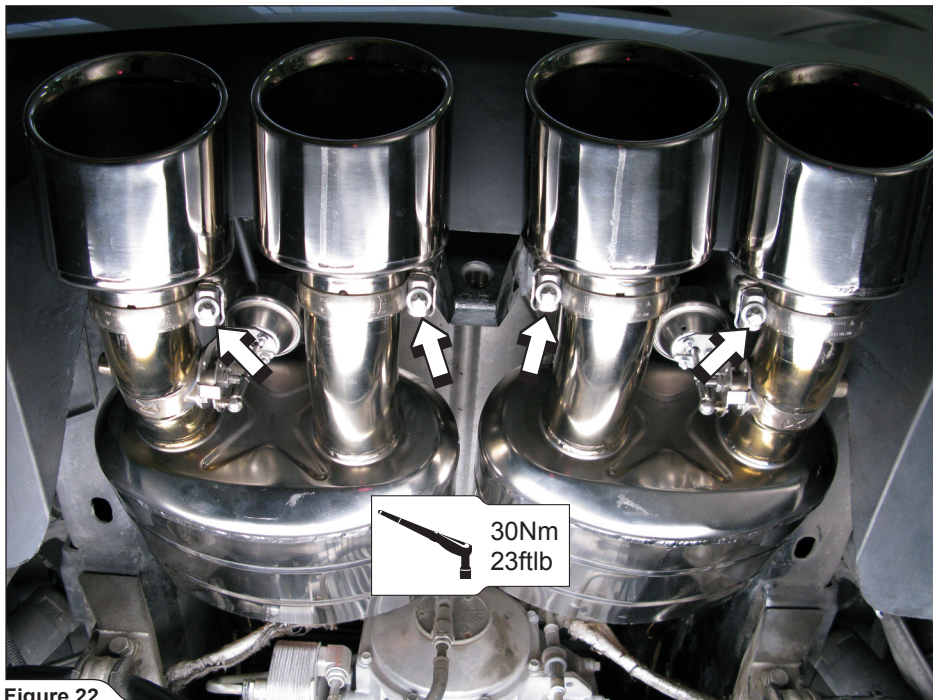


Figure 22

INSTALLATION OF THE OPTIONAL WIRELESS KIT FOR CONTROL OF EXHAUST FLAPS:

1. Transmitter with installation fittings: red wire-fuse tab, grey wire-connector, black wire-ground (Figure 23).

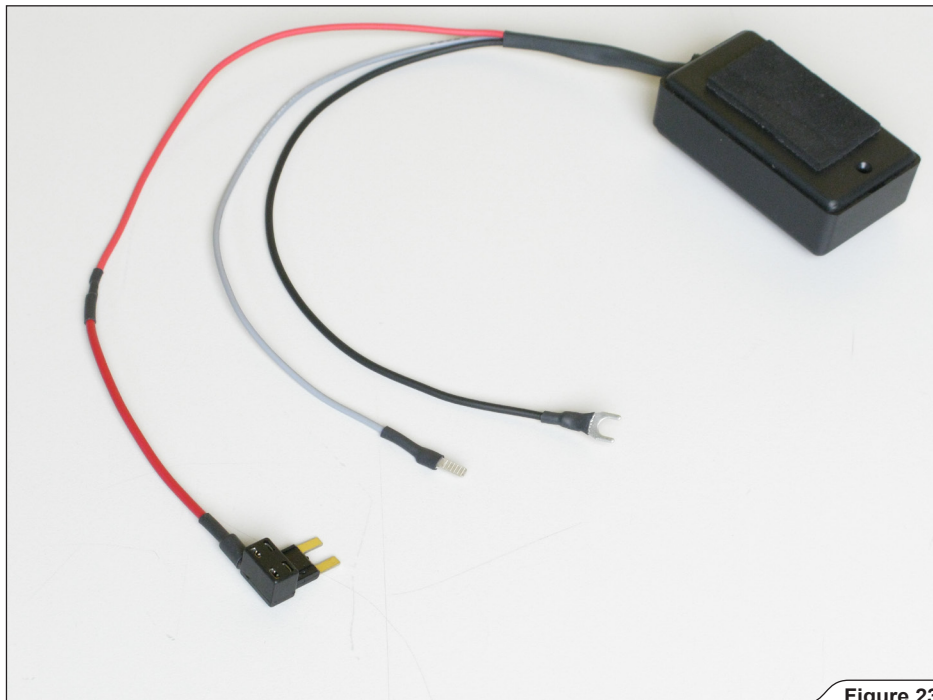


Figure 23

- Remove the passenger side floor mat and pull down the floorboard to access the fuse block. Remove the two marked fuses (upper: seat heater ; lower: exhaust flaps) and untighten the marked bolt (Figure 24). Displace both fuses into the Akrapovič fuse tab (Figure 25).



Figure 24

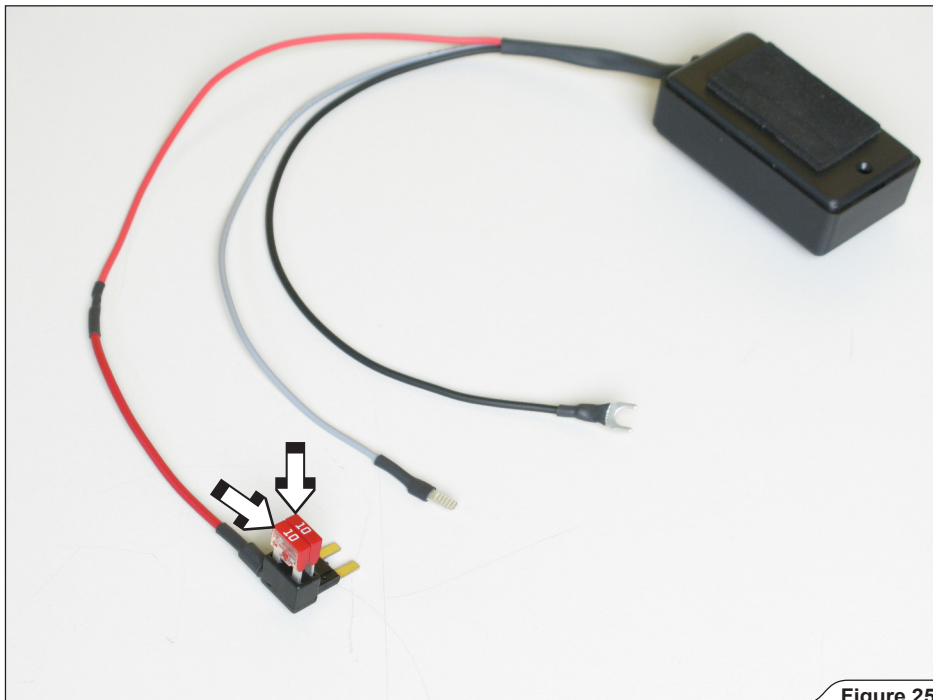


Figure 25

3. Install the fuse tab (red wire) in the seat heater spot, the connector (grey wire) in the exhaust flaps spot (left!) and tighten the ground wire connector (black wire) with marked bolt (**Figure 25**).

! **WARNING:** make sure, that you install the grej wire connector to the **LEFT SIDE** of the exhaust fuse spot!

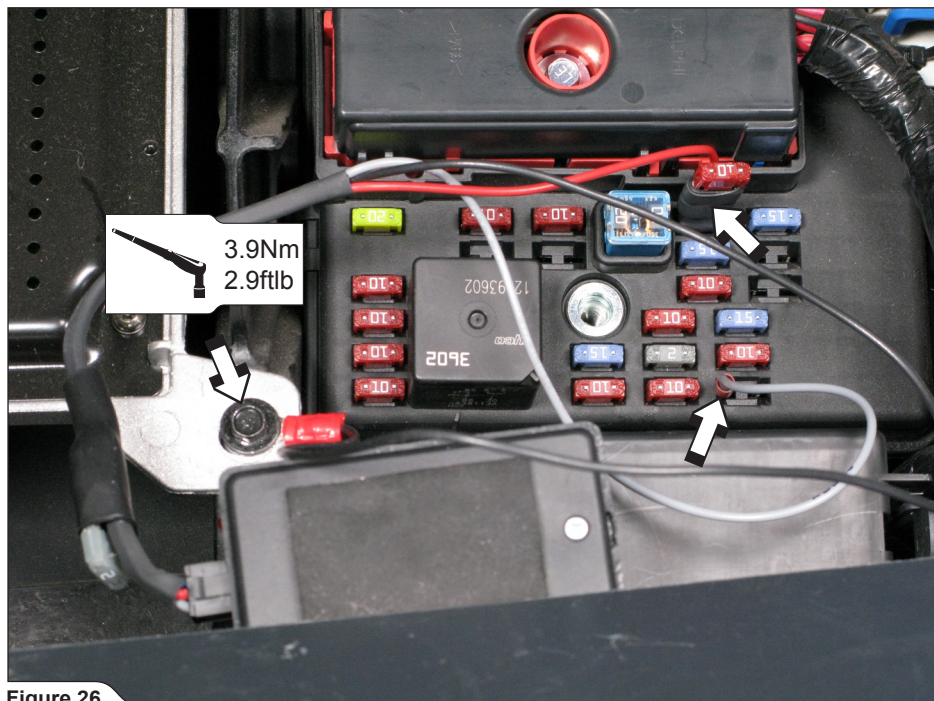


Figure 26

5. Insert the transmitter under the fuse block as shown **and** tuck in all wires, fold back the floor board and reinstall floor mat (**Figure 27**).

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



Figure 27

6. In case of cigarette lighter socket powered keyfob option, insert the keyfob into the cigarette lighter socket (**Figure 28**).



Figure 28

7. Composition of remote and optional dashboard mounted keyfob components (**Figure 29**).



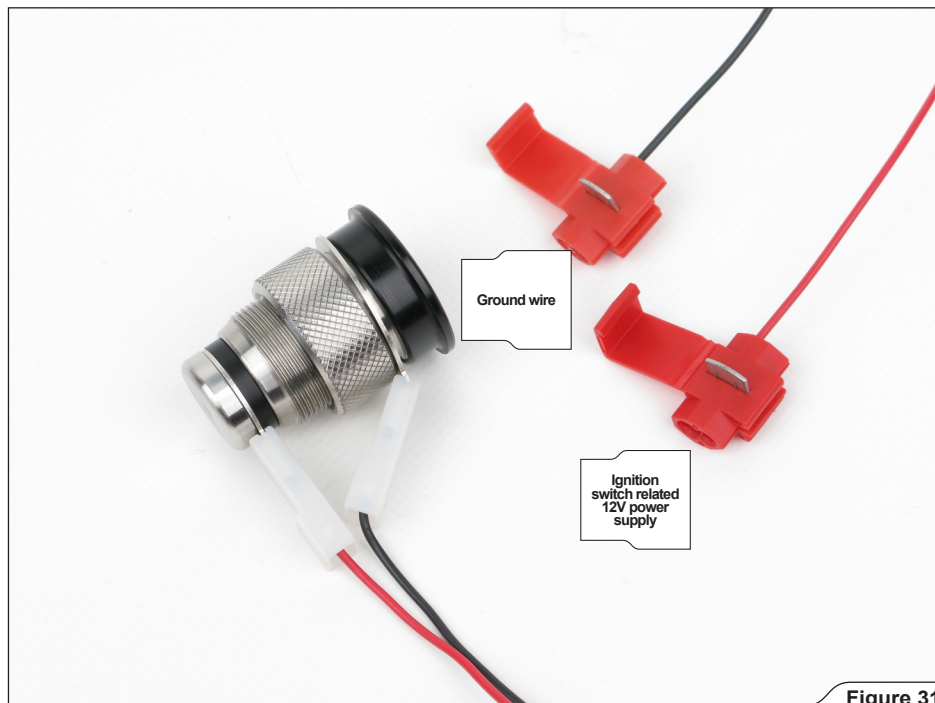
Figure 29

8. Optional reducible component for cigarette lighter socket powered keyfob (**Figure 30**).



Figure 30

9. Correctly assembled dashboard or additional bracket mounted keyfob components (**Figure 31**).



10. Changing of remote keyfob battery (Figure 32).

! **CAUTION:** low battery can also be the reason for keyfob's loss of communication.

! **WARNING:** make sure, that you insert the new battery correctly! Check the polarity of the battery (Battery type: Lithium CR1632 3V)!



Figure 32

KEYFOB OPERATION:

1. **USE:** keyfob is used to operate and control the exhaust system flaps.
2. **RANGE OF OPERATION:** inside and few meters around the vehicle.
3. **POWER OPTIONS:**

a) Battery power:

- when operating, press the button for more then two seconds.
- when pressed, the illumination turns on, and when released, it turns off.
- in battery mode, only half of the circle around the scorpion symbol is illuminated.
- if in use, battery life is approx. 1 year and if not in use, approx 2 years (Battery type: Lithium CR1632 3V).

b) 12V power (cigarette lighter socket):

- when operating, press the button for more then half a second.
- when pressed, the illumination stays on, depending on mode (on/off).
- in 12V mode, the whole of the circle around the scorpion symbol is illuminated.

4. **KEYFOB MODES:**

a) Battery power:

- CLOSED VALVES:



- OPEN VALVES:



- LOSS OF COMMUNICATION:
1 period of 5 flashes of white illumination.

b) 12V power (cigarette lighter socket):

- CLOSED VALVES:



- OPEN VALVES:



- LOSS OF COMMUNICATION:
3 periods of 5 flashes of white illumination.

5. **SAFETY:**



SWITCH ON: do not switch the keyfob on when wireless device use is prohibited or when it may cause interference or danger.



ROAD SAFETY COMES FIRST: obey all local laws. Always keep your hands free to operate the vehicle while driving. Road safety should be your first consideration while driving.



INTERFERENCE: all wireless devices may be susceptible to interference, which could affect performance.



SWITCH OFF IN HOSPITALS: follow any restrictions. Near medical equipment, switch the keyfob device off.



SWITCH OFF IN AIRCRAFT: follow any restrictions. Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELING: do not use the keyfob at a refueling point. Do not use near fuel or chemicals.



SWITCH OFF NEAR BLASTING: follow any restrictions. Do not use the device where blasting is in progress.



QUALIFIED SERVICE: only qualified personnel may install or repair this product. Please refer to the wireless kit serial number in case of ordering any spare parts.



WATER-RESISTANCE: your keyfob is not water-resistant. Keep it dry.

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.”

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



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