



Installation instructions

Akrapović Exhaust Systems:

Slip-On, Evolution and optional **Down Pipe**
for the

MITSUBISHI LANCER EVOLUTION X.

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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for the

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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/>

Copyright

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Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



TIGHTENING TORQUE



INSTALLATION TIP



CAUTION OR WARNING



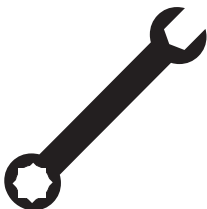
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of the reach of children.**



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.**



T-handle 8mm wrench
T-handle 10mm wrench
T-handle 13mm wrench
T-handle swivelling 12mm wrench
T-handle swivelling 14mm wrench
T-handle 10mm three hexagon key wrench
Combination 12mm wrench
Combination 15mm wrench
Combination 19mm wrench
Cutting nippers



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.

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 (Figure 1).

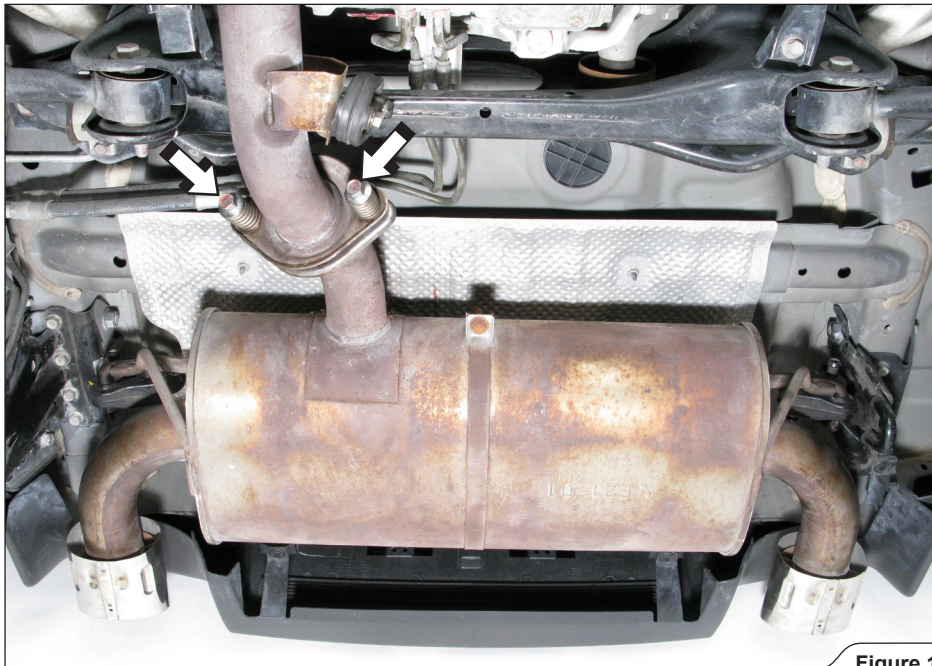


Figure 1

2. **For Slip-On and Evolution:** pull the muffler off the marked rubber brackets and remove it off the vehicle (Figure 2).

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

✚ **INSTALLATION TIP:** for easier dismounting, lubricate the stock rubber brackets.

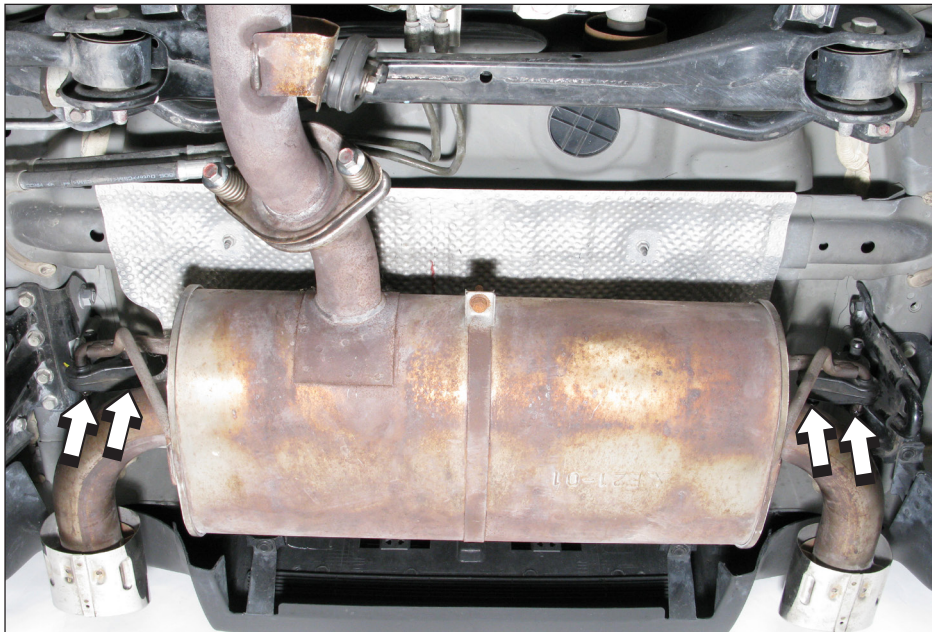


Figure 2

3. **For Evolution only:** unscrew the marked middle pipe - front pipe joint nuts (**Figure 3**).

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

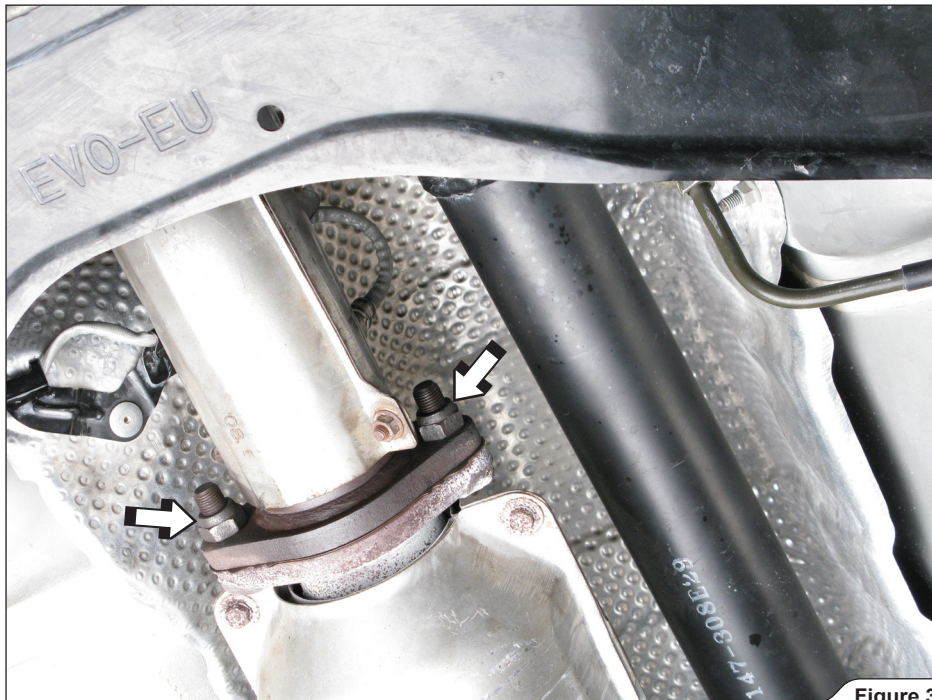


Figure 3

4. **For Evolution only:** undo the lambda sensors' electrical lead and unscrew the marked lambda sensor (Figure 4).

! CAUTION

: be careful not to damage the electrical lead or the lambda sensor during this process!

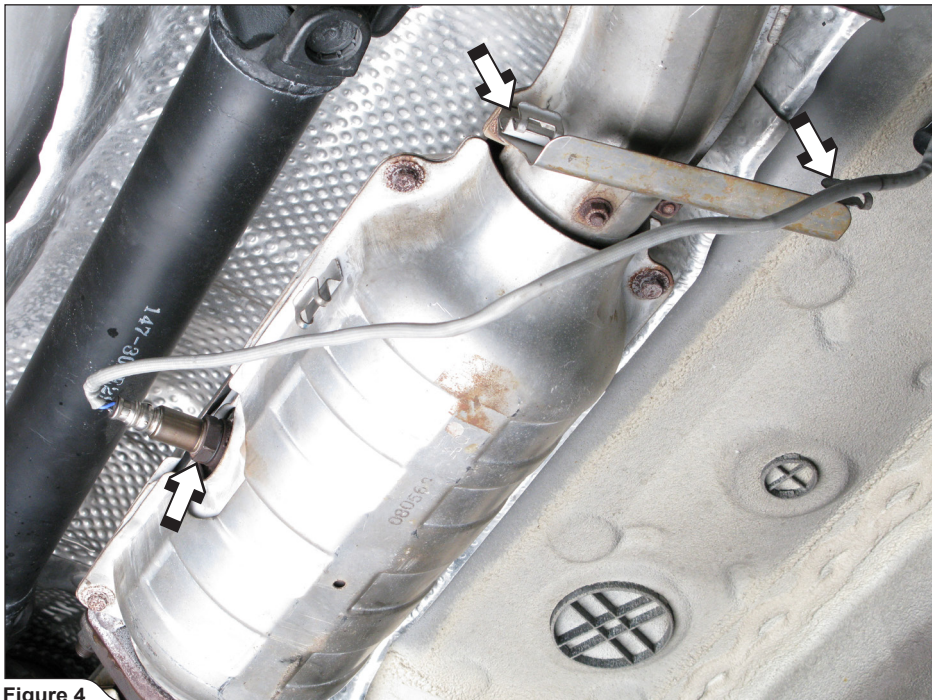


Figure 4

5. **For Evolution only:** unscrew the two marked rubber bracket bolts and remove the stock middle pipe off the vehicle (**Figure 5, 6**).

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



Figure 5



Figure 6

6. **For optional Down Pipe only:** undo the lambda sensors' electrical lead and unscrew the lambda sensor (**Figure 7**).

! WARNING: be careful not to damage the electrical lead or the lambda sensor during this process!

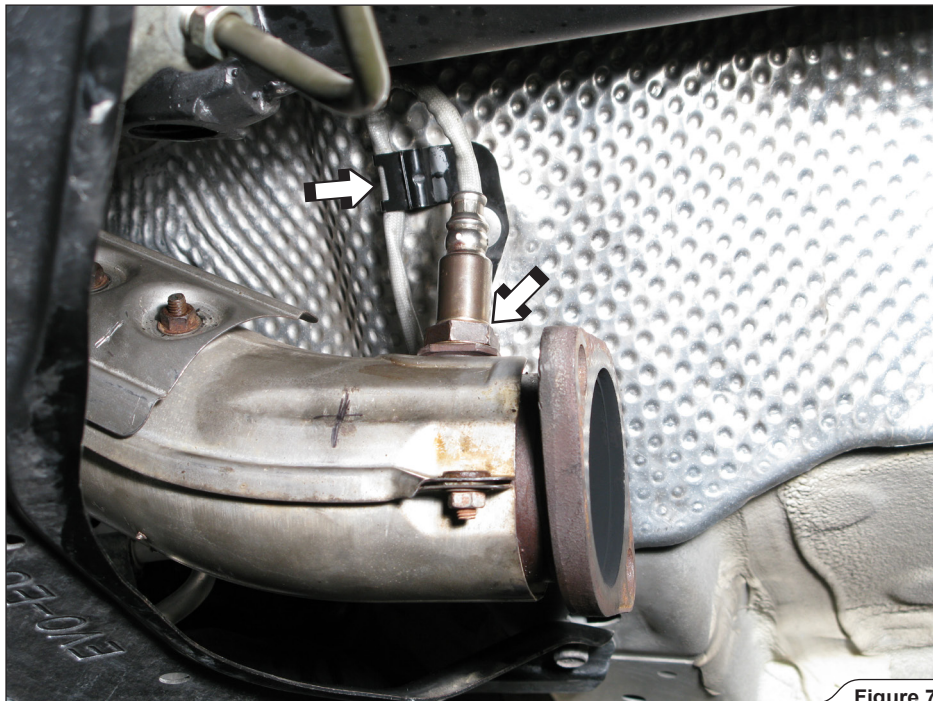


Figure 7

7. **For optional Down Pipe only:** unscrew the marked bolts and remove the stock down pipe off the vehicle (**Figure 8**).

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

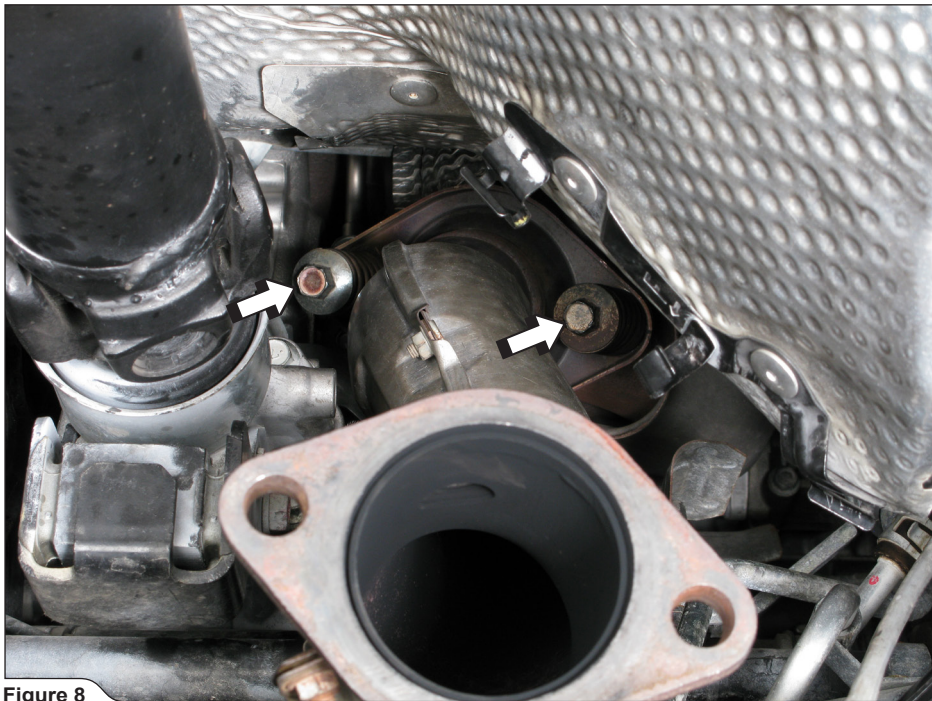


Figure 8

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEMS:

1. **For optional Down Pipe only:** transfer the stock heatshield to Akrapovič Down Pipe, using bolts and heat resistant washers from Akrapovič fitting kit, as shown **(Figure 9, 10)**.
- ✂ INSTALLATION TIP:** screw the heat resistant washers onto the bolts; do not try to push them on!

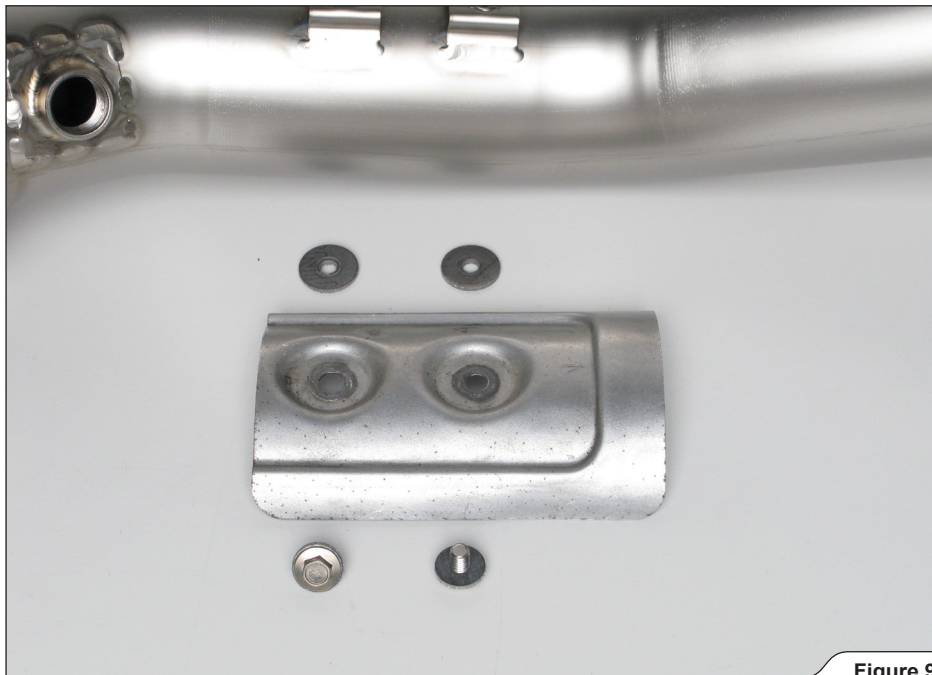


Figure 9

! CAUTION: make sure, that you use the larger heat resistant washers between heatshield and heat shield's brackets!

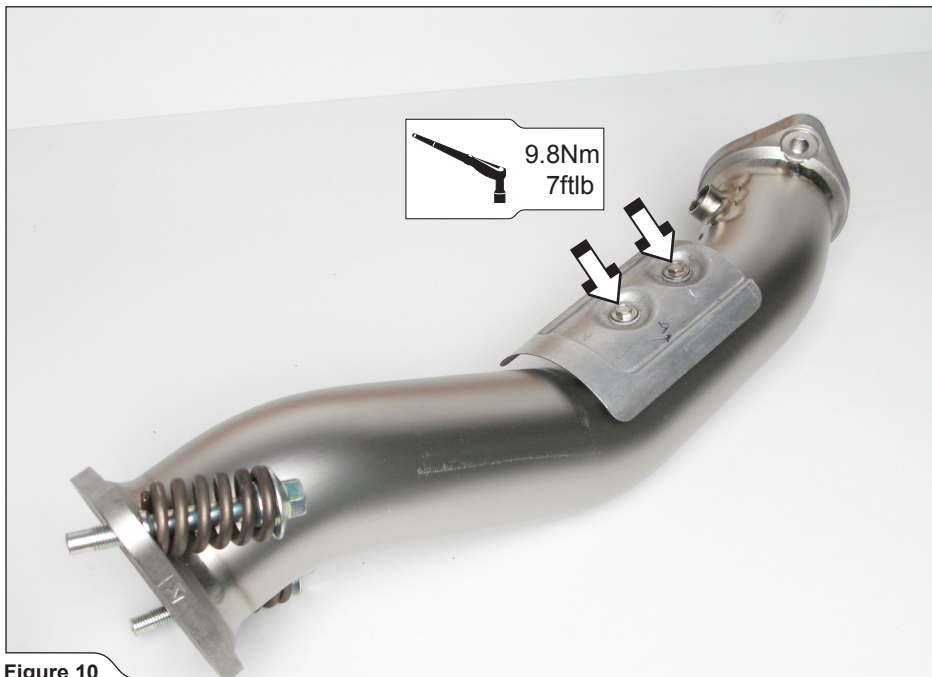


Figure 10

2. **For optional Down Pipe only:** assemble the Down Pipe onto the stock turbine housing, using stock bolts and springs (**Figure 11**).

! **CAUTION:** use new stock exhaust gasket in Akrapovič Down Pipe - stock turbine housing joint!

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

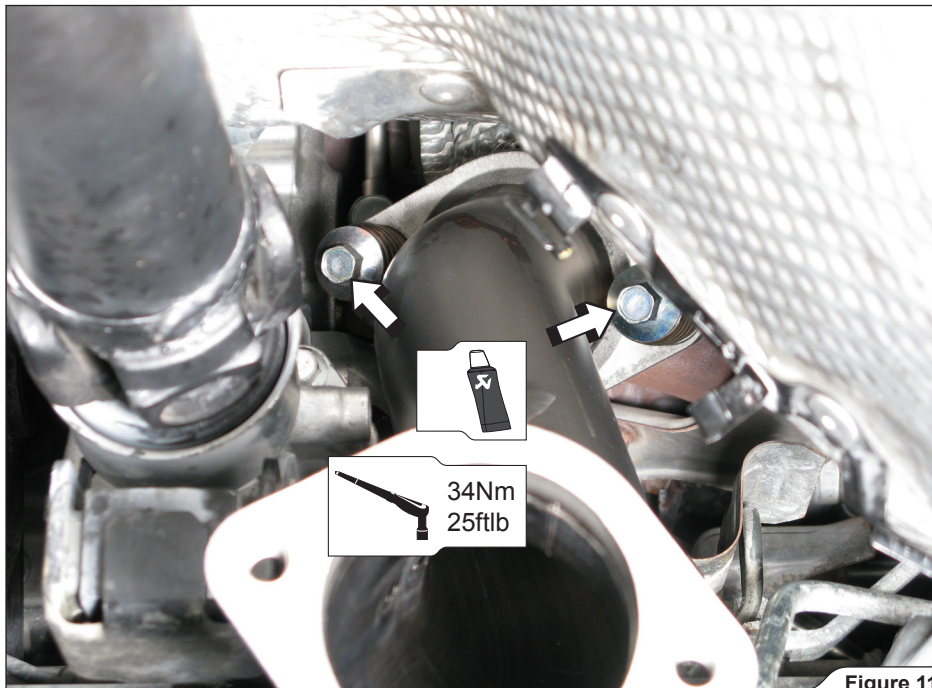


Figure 11

3. **For optional Down-Pipe only:** install the lambda sensor and fasten the lambda sensors' electrical lead (**Figure 12**).

! **WARNING:** use anti-seize copper paste on lambda sensor's threads!

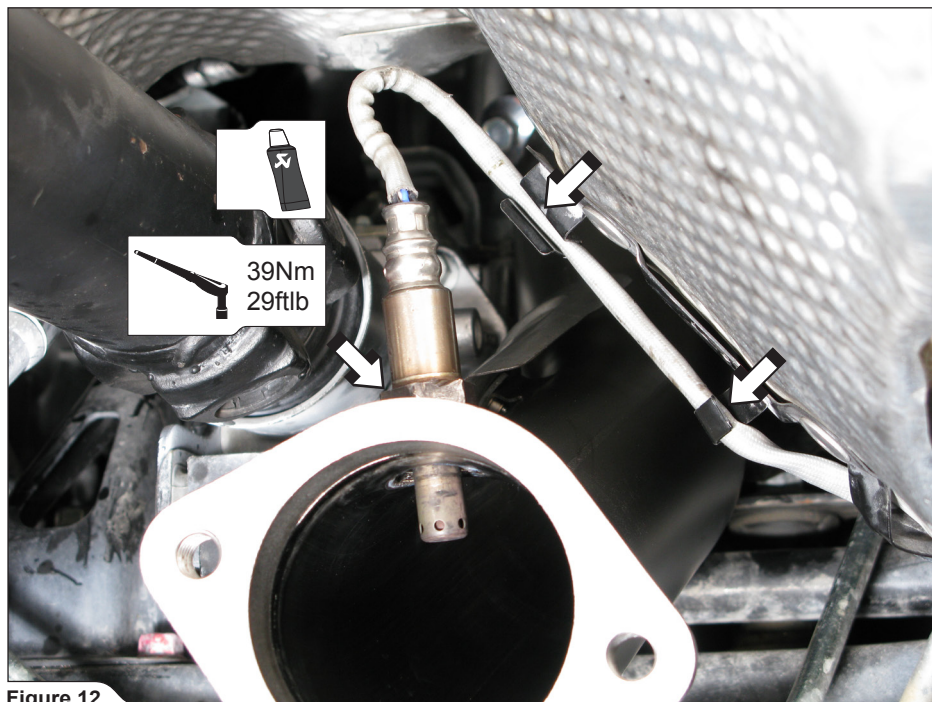


Figure 12

4. **For optional Down Pipe only:** assemble the Akrapovič front pipe onto the Down Pipe, using Akrapovič gasket, M12 bolts, nuts and washers (**Figure 13, 14**).

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



Figure 13

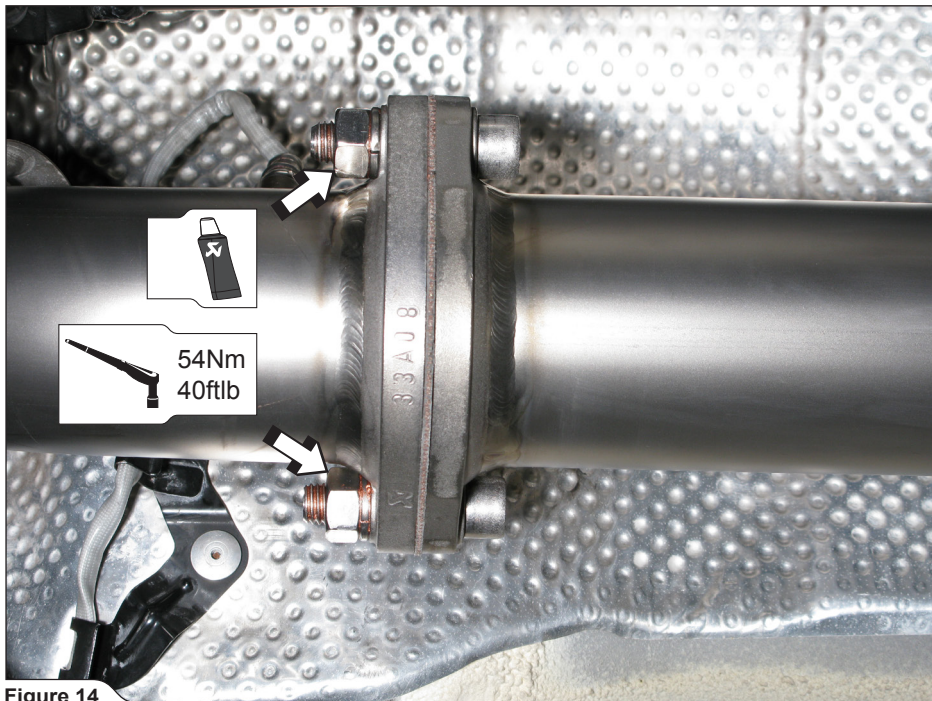


Figure 14

5. **For Evolution (without optional Down Pipe) only:** assemble the Akrapovič front pipe onto the stock down pipe, using new stock gasket, Akrapovič gasket adapter and gasket, M12 bolts, nuts and washers from installation kit (**Figure 15, 16**).

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



Figure 15

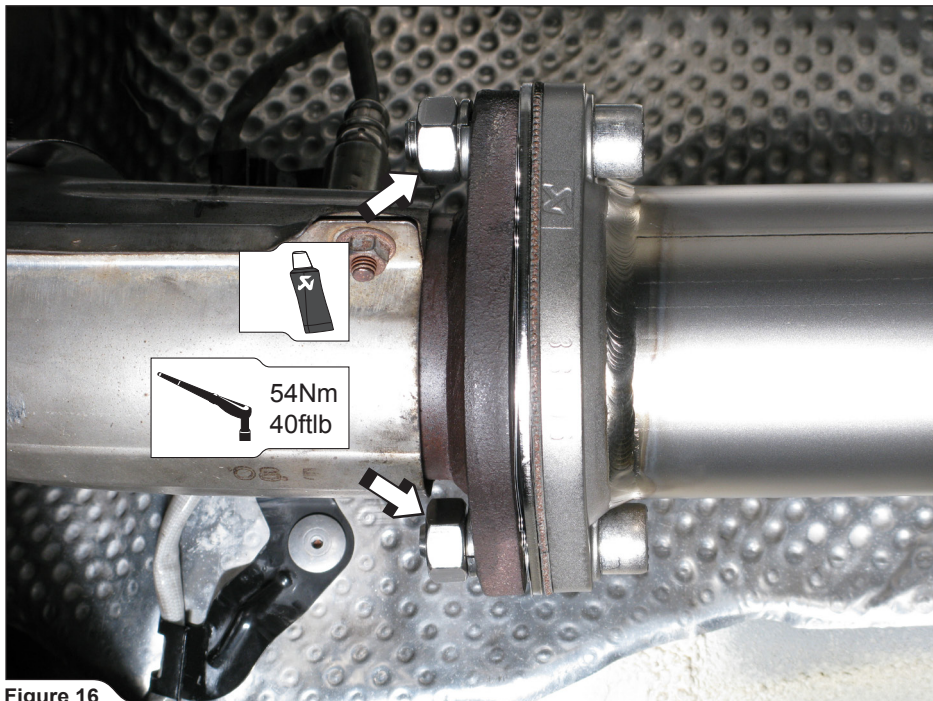


Figure 16

6. **For Evolution only:** unscrew the lambda sensor's electrical lead protection. Tighten the lambda sensor into the front pipe and shorten the electrical lead (using tie wrap), as shown (**Figure 17**).

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

! **CAUTION:** make sure not to damage the sensors' electrical leads during this process!

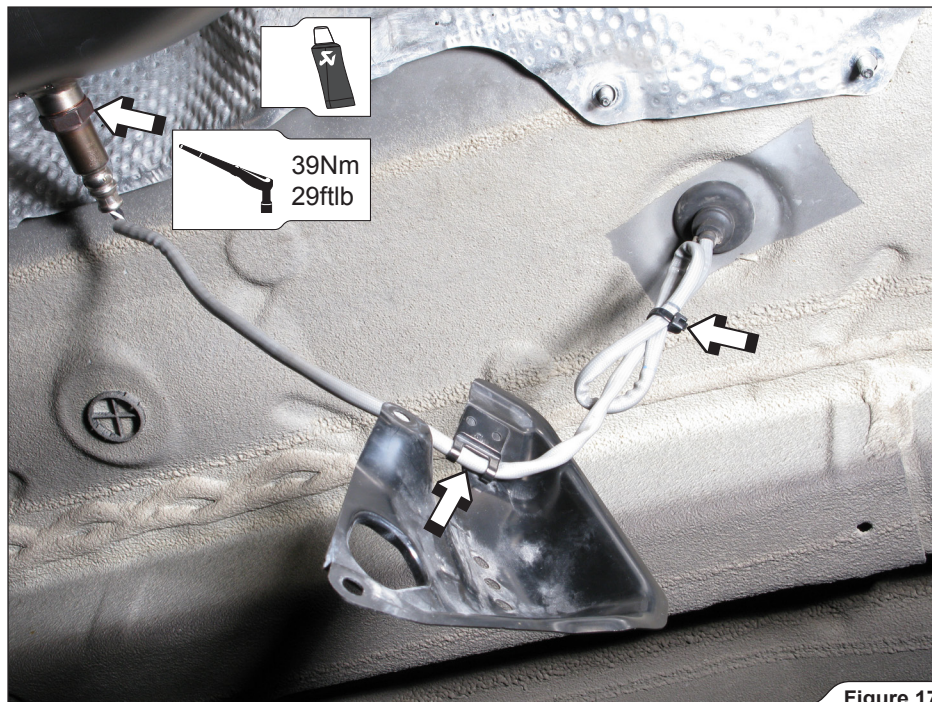


Figure 17

7. **For Evolution only:** tighten the stock rubber bracket (with heatshield) onto the front pipe and assemble the lambda sensor's electrical lead protection back onto the chassis (**Figure 18**).
- ! **CAUTION:** make sure, that you leave slack to the lambda sensor's electrical lead!
- ! **WARNING:** use anti-seize copper paste on bolt and nut threads!

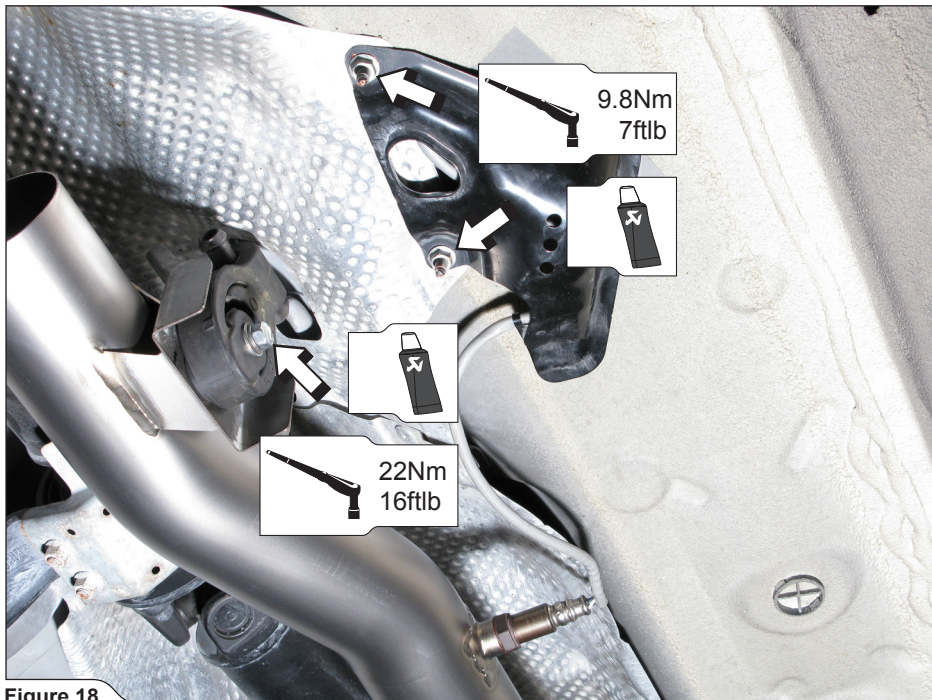


Figure 18

8. **For Evolution only:** assemble the stock heatshield with bolts and heat resistant washers from Akrapović installation kit, as shown (**Figure 19**).

✂ INSTALLATION TIP: screw the heat resistant washers onto the bolts; do not try to push them on!

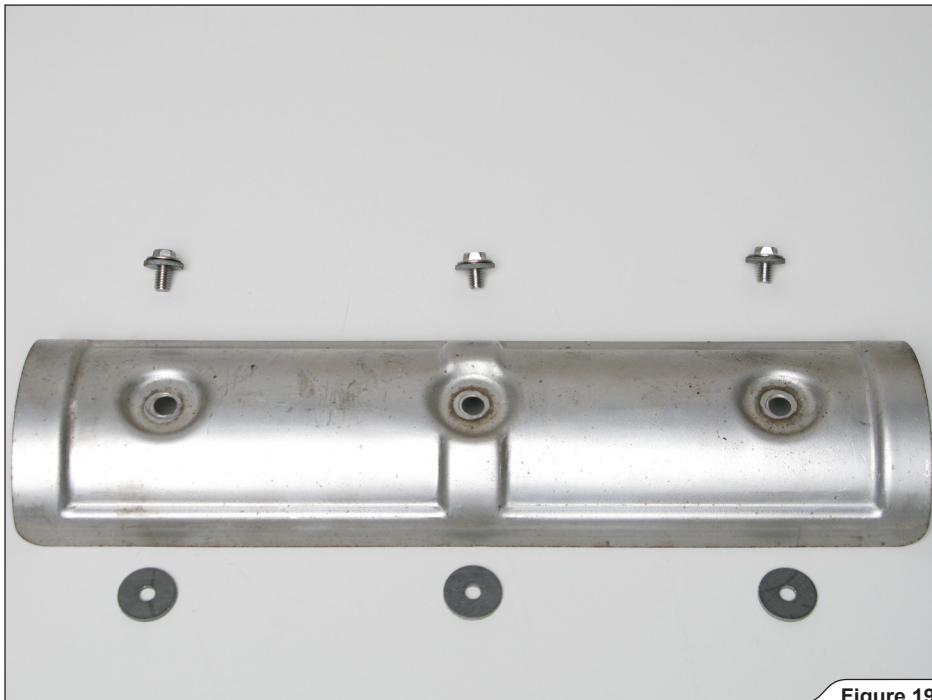


Figure 19

9. **For Evolution only:** tighten the heatshield onto the middle pipe and slide the clamp onto the inlet, as shown (Figure 20).
- ! **CAUTION:** make sure, that you use the larger heat resistant washers between heatshield and heat shield's brackets!
- ! **WARNING:** use anti-seize copper paste on clamp's nut and bolt threads!

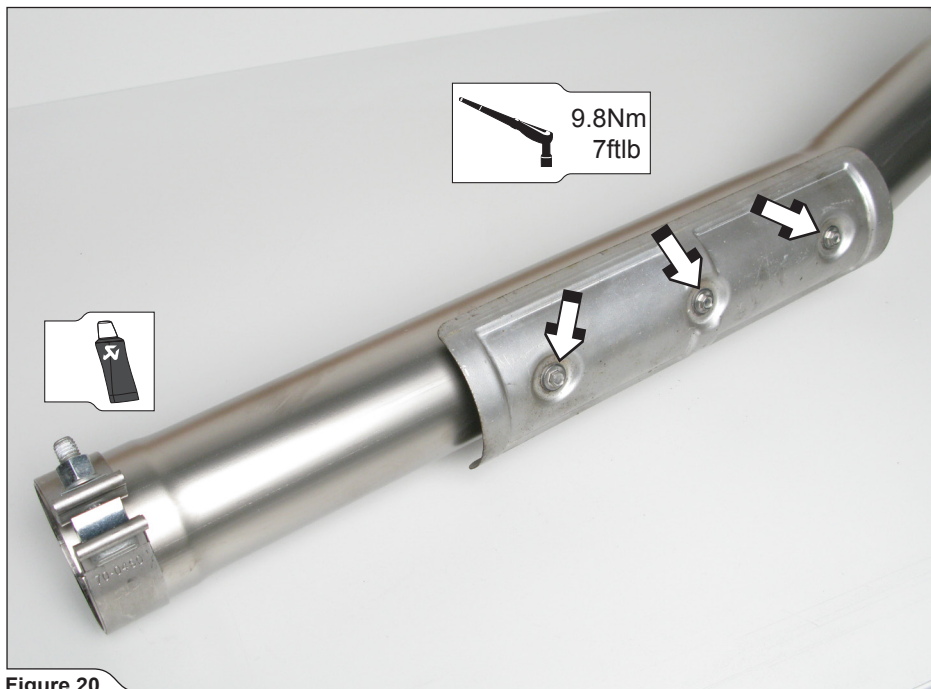


Figure 20

10. **For Evolution only:** slide the middle pipe onto the front pipe. Tighten the stock rubber bracket onto the middle pipe and install the graphite gasket onto pipe's outlet (**Figure 21**).

! **CAUTION:** use graphite gasket from Akrapovič installation kit in middle pipe - mufflers' inlet pipe joint!

! **WARNING:** use anti-seize copper paste on stock rubber bracket bolt threads!

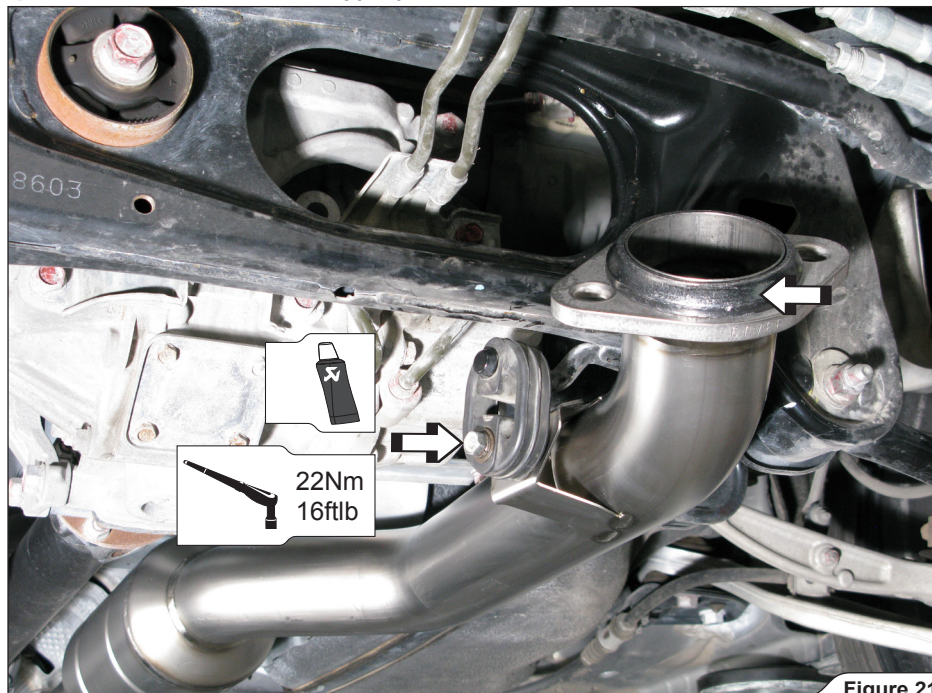


Figure 21

11. **For Evolution only:** hang the mufflers on the stock rubber brackets and attach the middle pipe and mufflers' inlet pipe, using stock bolts and springs (**Figure 22**).

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

! CAUTION: use graphite gasket from Akrapovič installation kit in middle pipe - mufflers' inlet pipe joint!

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

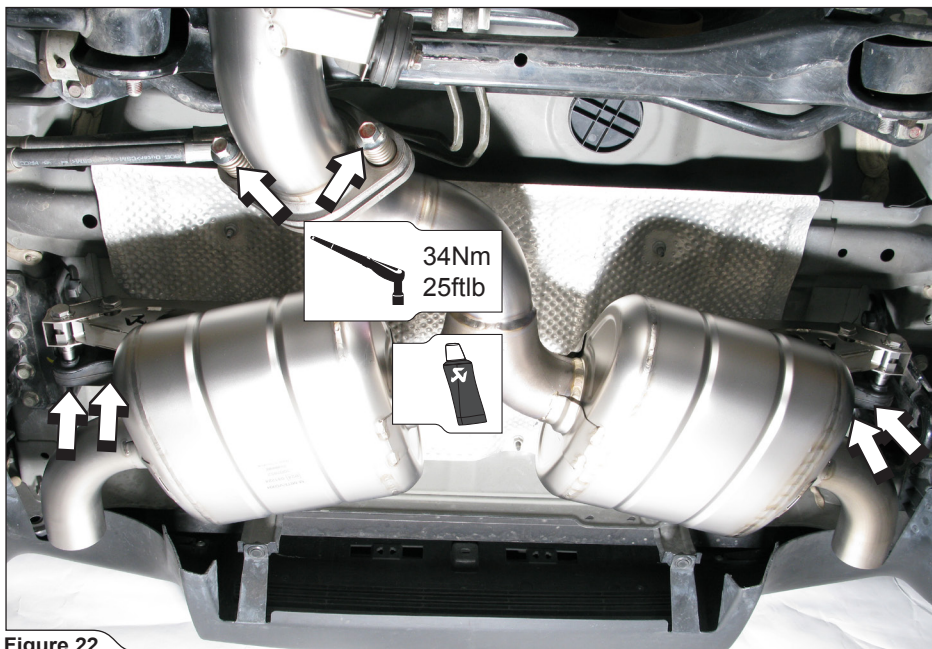


Figure 22

12. **For Evolution only:** align the mufflers, push the middle pipe all the way onto the front pipe and tighten the clamp to a specified torque (**Figure 23**).

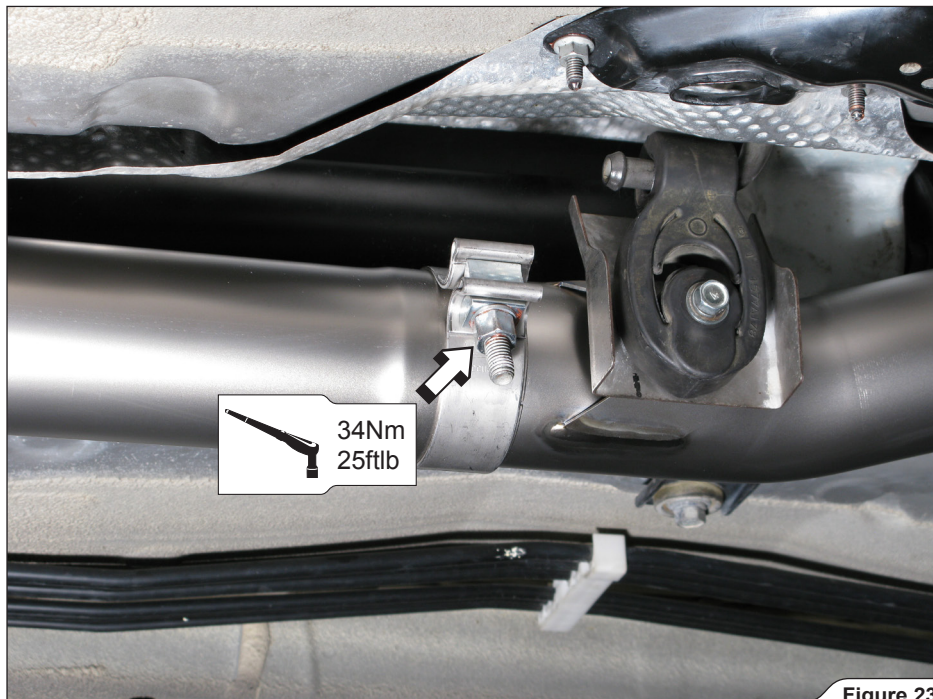


Figure 23

13. **For Slip-On only:** install the gasket adapter (leave the stock gasket on the middle pipe's outlet!) from Akrapovič installation kit, onto the stock middle pipe's outlet! (**Figure 24**).

! **WARNING:** leave the stock gasket on the middle pipes' outlet!



Figure 24

14. **For Slip-On only:** hang the mufflers on the stock rubber brackets and attach the stock middle pipe and mufflers' inlet pipe, using stock bolts and springs (**Figure 25**).

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

! CAUTION: use stock gasket and Akrapović gasket adapter from installation kit in stock middle pipe - Akrapović mufflers' inlet pipe joint!

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

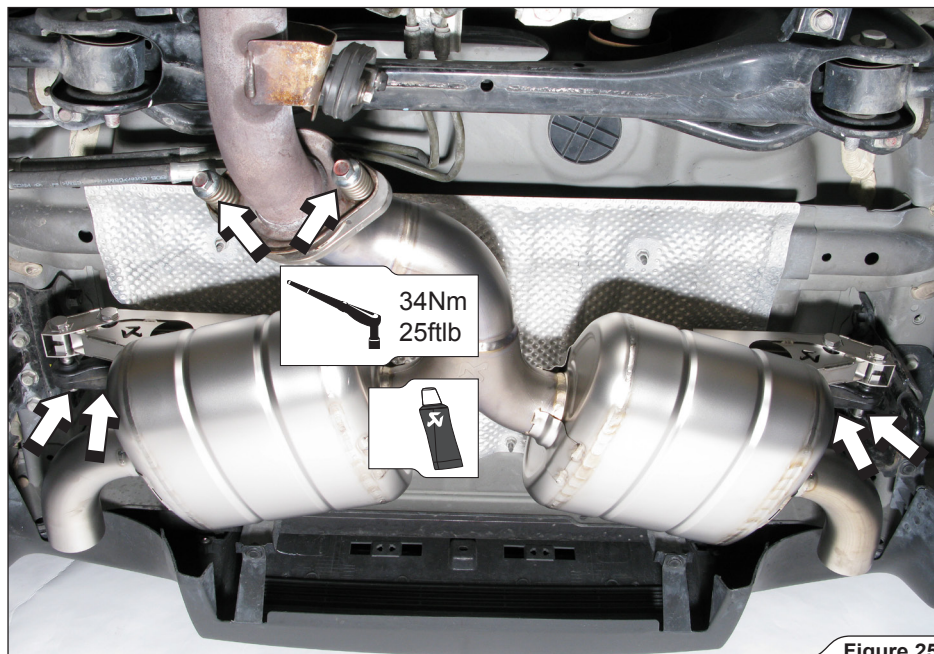


Figure 25

15. **For Slip-On and Evolution:** assemble the clamps and spherical rings onto the tail pipes as shown (Figure 26).

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



Figure 26

16. **For Slip-On and Evolution:** slide the tail-pipes onto the muffler outlets. Rotate and center them in respect to rear bumper and according to your personal taste (**Figure 27, 28**).



Figure 27



Figure 28

17. **For Slip-On and Evolution:** tighten the tail pipe clamps to a specified torque (**Figure 29**).

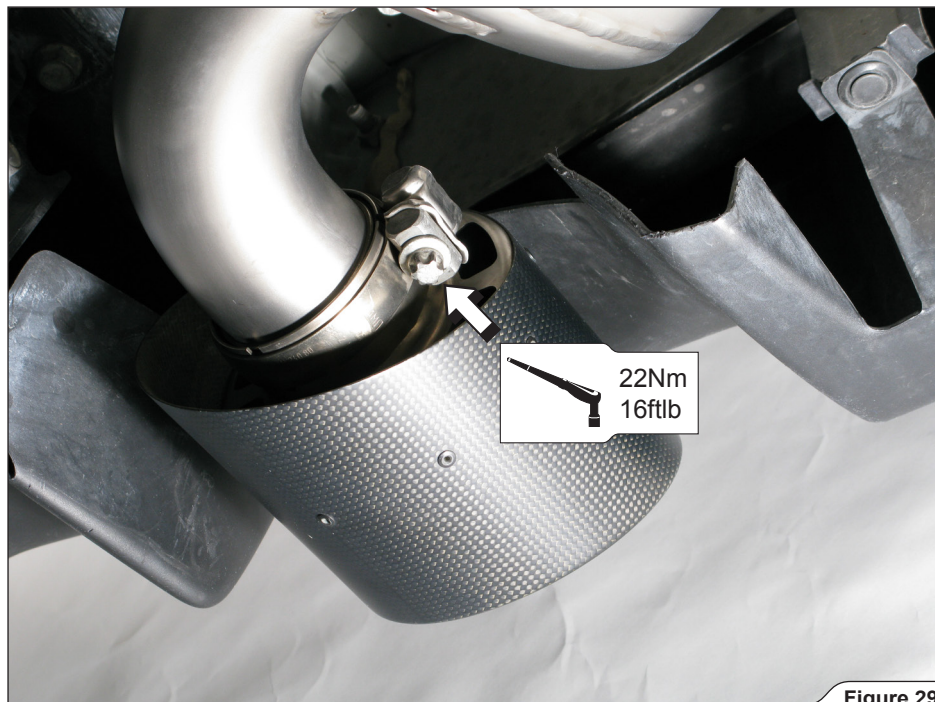


Figure 29

Final installation:

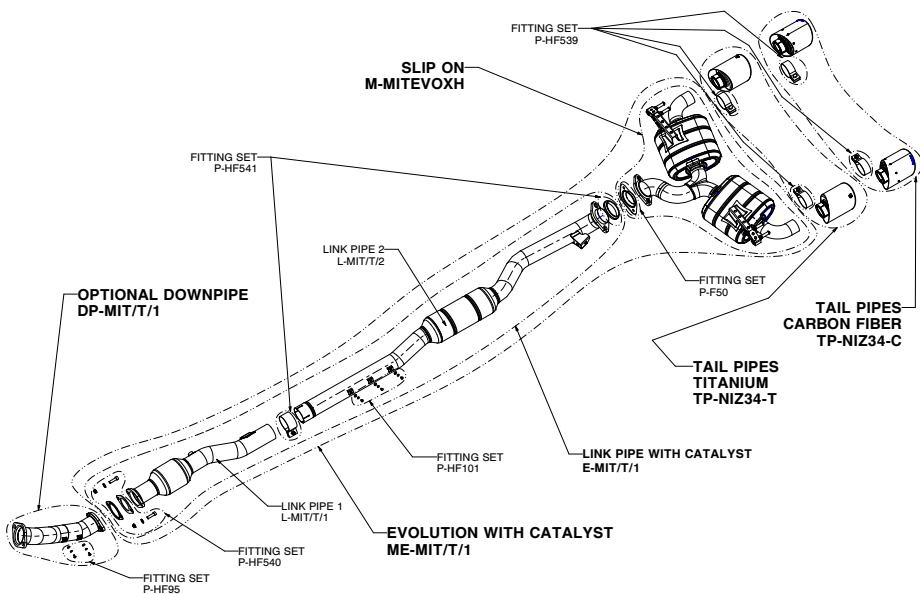
- ! **WARNING:** check vehicle manufacturer manual for tightening torques (for dismounted stock parts)!
- ! **WARNING:** make sure all the nuts and bolts are sufficiently tightened. In case the exhaust system touches the cowl or other parts, repeat the adjustment of the exhaust system or contact your authorized dealer.

MAINTENANCE OF THE AKRAPOVIČ EXHAUST SYSTEM:

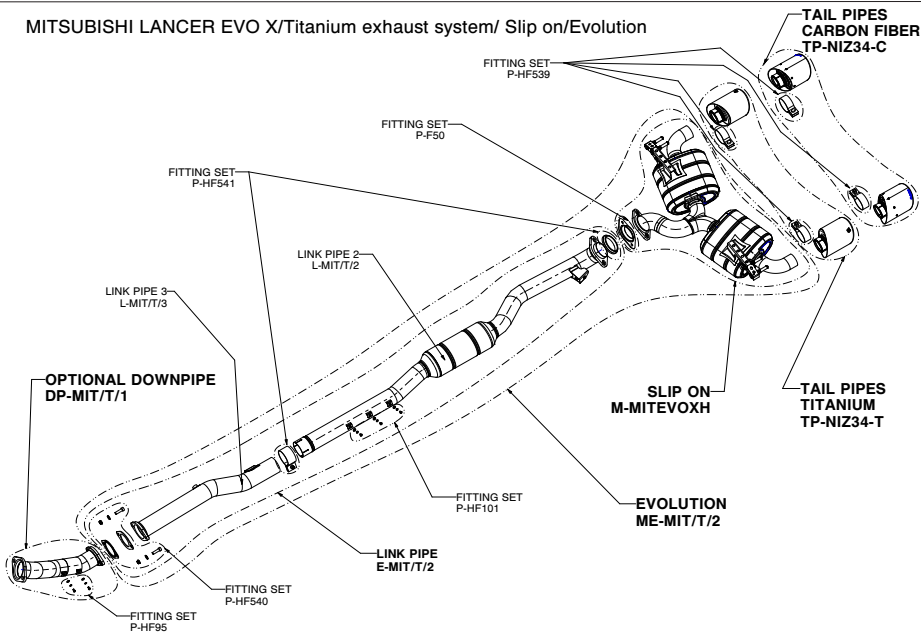
1. Clean the titanium exhaust components with a multi-purpose spray lubricant (WD-40 or equivalent), carbon fiber exhaust components with soft and dry cloth and stainless steel components with soft cloth sprayed with contact cleaner, then wipe with soft and dry cloth. A change in the color of the exhaust 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.**

MITSUBISHI LANCER EVO X/Titanium exhaust system/ Slip on/ Evolution with catalyst converter



MITSUBISHI LANCER EVO X/Titanium exhaust system/ Slip on/ Evolution





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