



Installation instructions

Akrapovič Exhaust System:
Evolution
for the
KAWASAKI ZX-10R



502876

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.
5. 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.
6. Technical specifications of Akrapovič exhaust systems and related products are subject to change without notice.
7. 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.
8. 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.
9. 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 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 12mm swivelling wrench
T-handle 4mm three hexagon wrench
T-handle 6mm three hexagon wrench
T-handle 5mm swivelling three hexagon wrench
Combination 10mm wrench
Combination 12mm wrench
Combination 17mm wrench
Flat screwdriver
Spring puller



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.

REMOVAL OF ORIGINAL EXHAUST SYSTEM:

1. Put the motorcycle on a side stand, we recommend a racing stand.
2. Unscrew the original heat-shield. Unscrew marked bolts from the muffler hanging bracket and the metal clamp at the muffler-collector connection (**Figure 1**). Remove the muffler off the motorcycle.



Figure 1

3. Unscrew and remove the exhaust valve shield (**Figure 2**).



Figure 2

4. Remove the passenger's seat, unscrew the seat cowling and rider's seat (Figure 3, 4).
- ! **WARNING:** make sure, not to damage any part of the motorcycle during this process!



Figure 3



Figure 4

5. Shorten the cable adjusters, remove the safety pin and cables off the servo motor (Figure 5).

! **WARNING:** do not disconnect the servo motor's electrical connector or remove the servo motor off the vehicle!

! **WARNING:** do not turn the servo motor wheel with force, or it could damage!

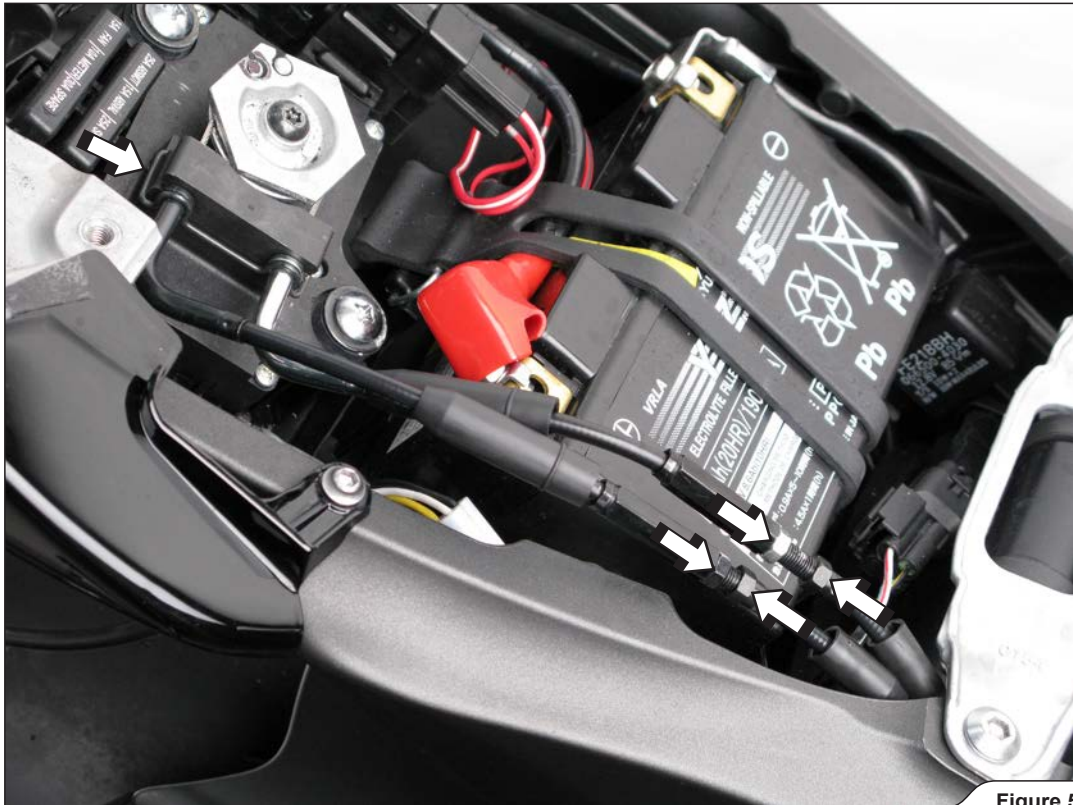


Figure 5

6. Unscrew the foot peg and foot guard, to release the exhaust valve cables (Figure 6).

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

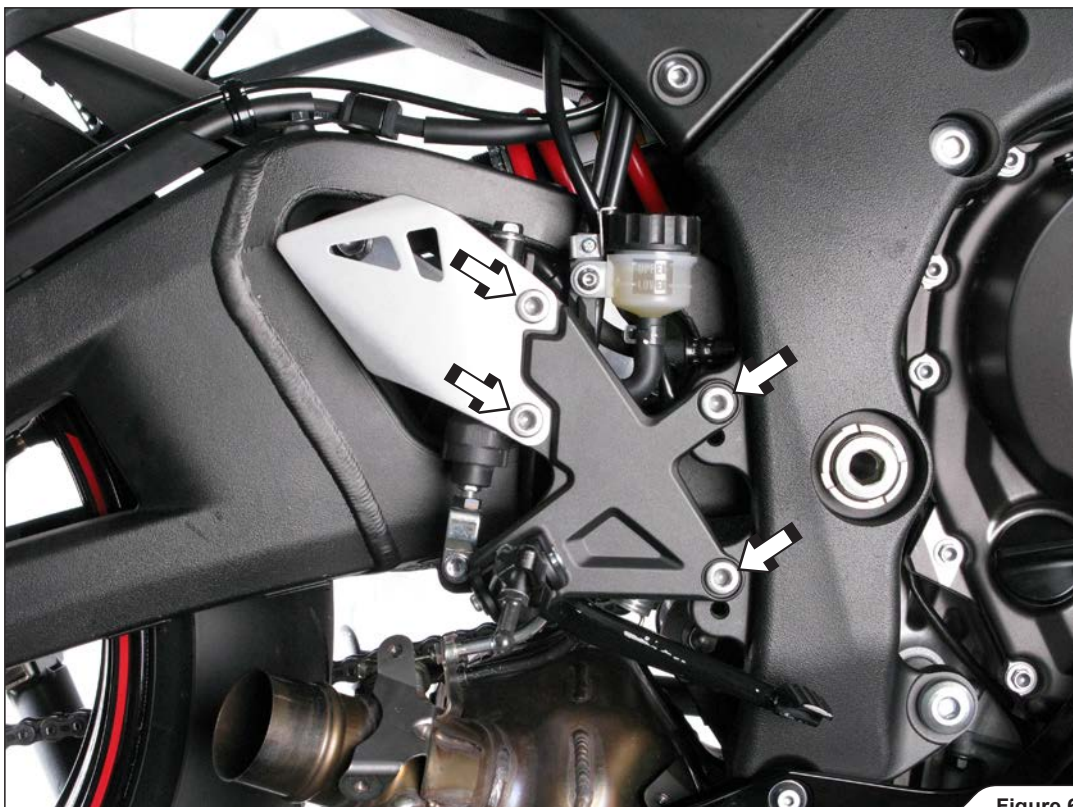


Figure 6

7. Unscrew the marked cowling bolts on both sides of the motorcycle (Figure 7).
- ! **WARNING:** make sure, not to damage any part of the motorcycle during this process!



Figure 7

8. Undo and remove the marked plastic fasteners on both sides of the motorcycle (Figure 8, 9). Remove the cowling off the motorcycle.
- ! **WARNING:** be careful not to damage any part of the motorcycle, during this process!



Figure 8



Figure 9

9. Untighten metal clamp at the collector-headers connection and unscrew the collector hanging bracket and the lambda sensor (Figure 10). Remove the collector together with exhaust valve cables off the motorcycle.
! **WARNING:** be careful not to damage any part of the motorcycle, during this process!

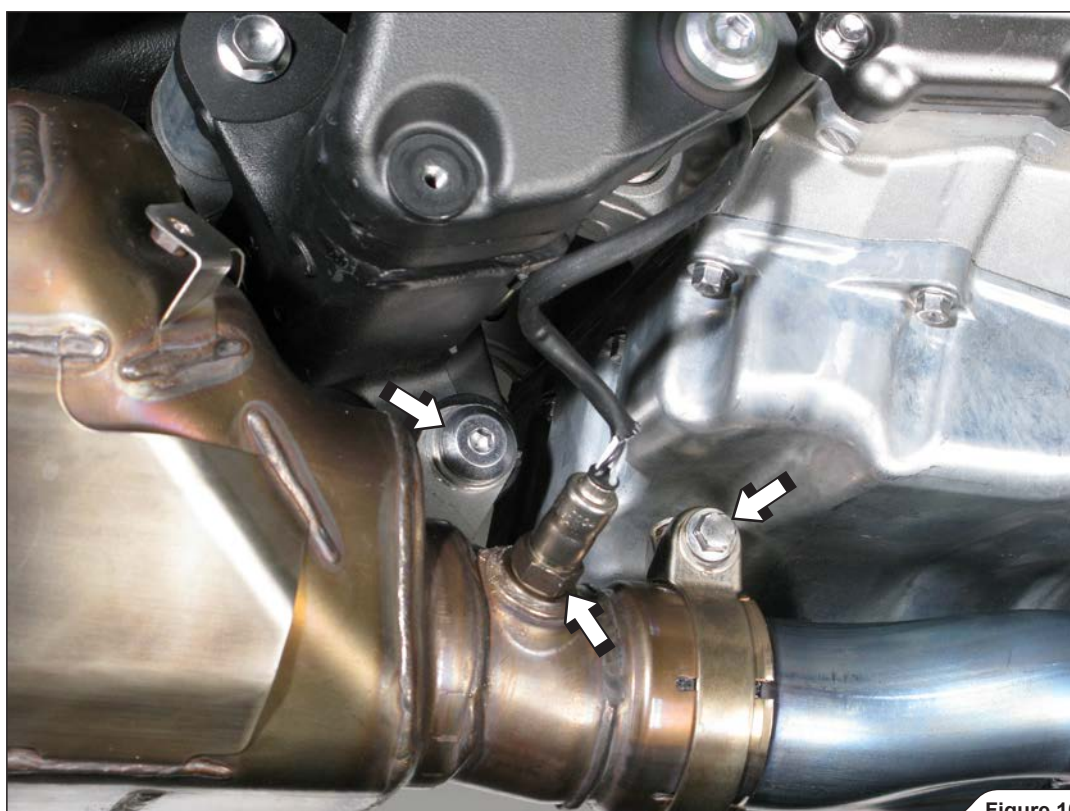


Figure 10

10. Unscrew the marked radiator's bracket bolt and partially shift the radiator out of the way (**Figure 11**).
! WARNING: do not disconnect the cooling system tubes!



Figure 11

11. Unscrew all flange nuts (**Figure 12**). Remove the headers off the motorcycle.
! WARNING: be careful not to damage the radiator or any other part of the motorcycle, during this process!



Figure 12

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Assemble the foot peg and foot guard back onto the frame (Figure 13).

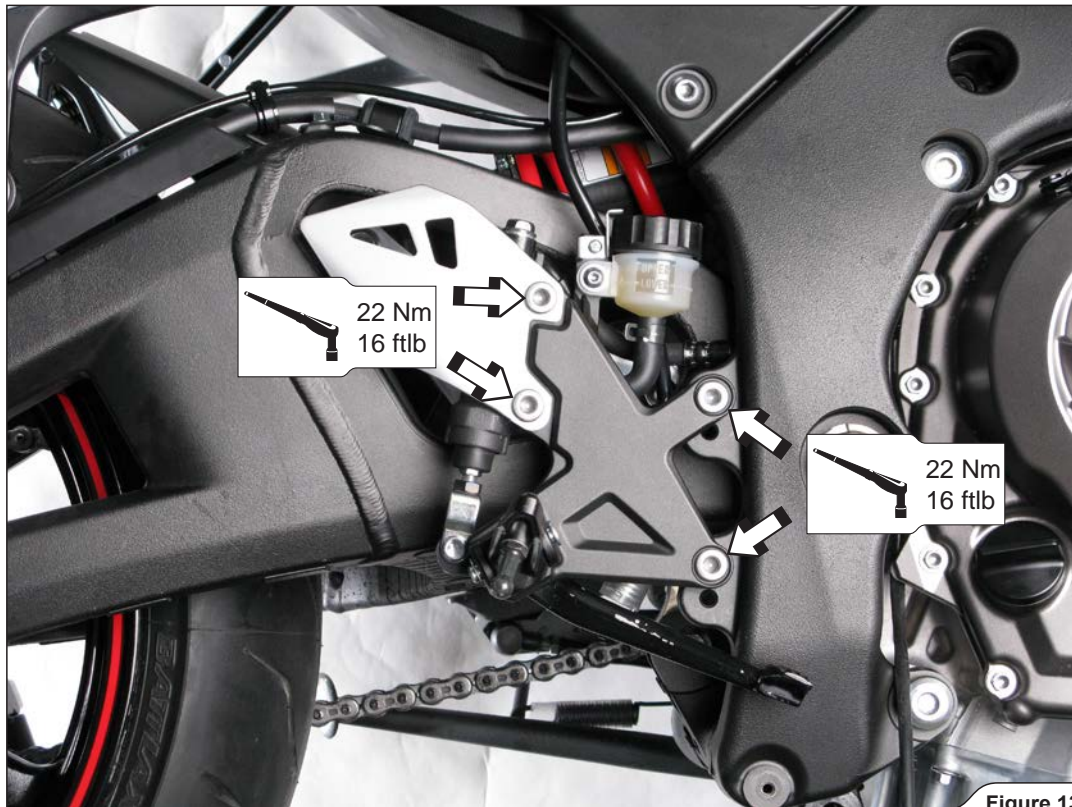


Figure 13

2. Set up the sleeves together with the flanges and springs; make sure they are correctly oriented (Figure 14).



Figure 14

3. Assemble the headers and collectors, as shown (Figure 15).

✂ **INSTALLATION TIP:** coat the interior side of the inlet bushes of the titanium collectors with Akrapovič ceramic anti-seizing grease (white tube).



Figure 15

4. Correctly orient and hand tighten the assembled flanges with sleeves and springs onto the cylinder head (Figure 16).

! **WARNING:** do not fully tighten the flanges yet!

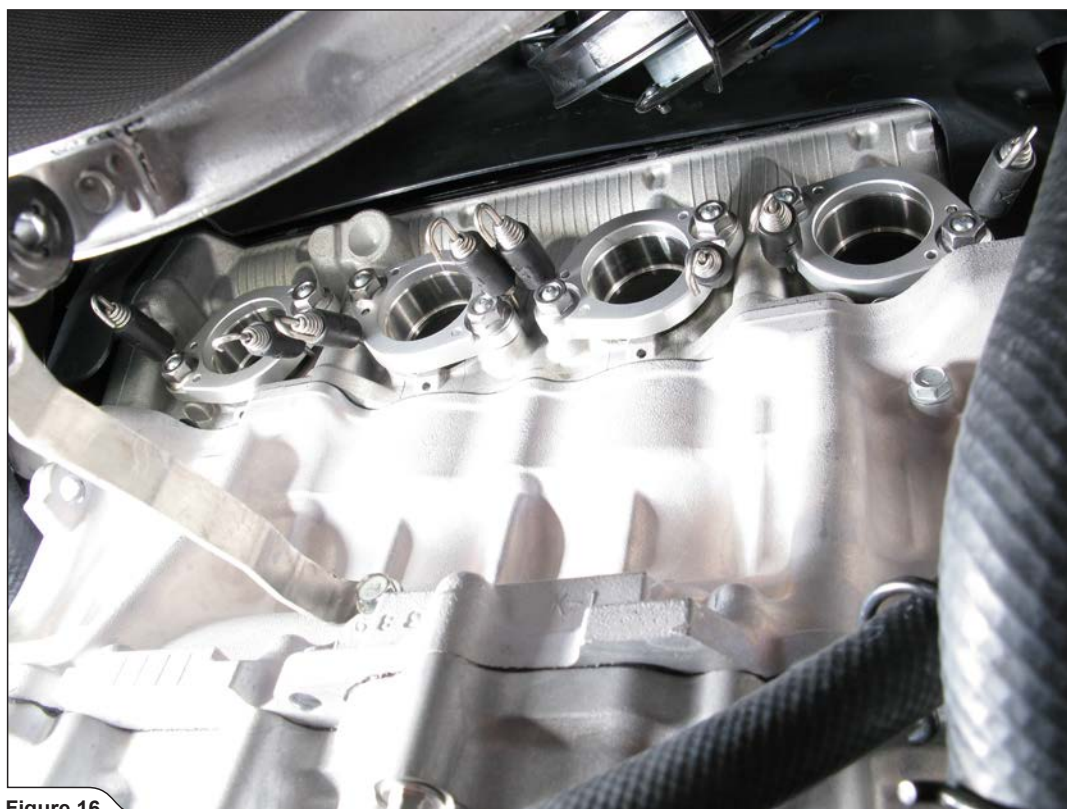


Figure 16

5. Insert the assembled header tubes into the sleeves properly, attach the springs and tighten the flanges to a specified torque (**Figure 17**).

! **WARNING:** before tightening the nuts, make sure, that springs pull the header tubes all the way into the sleeves – use rubber mallet if necessary to tap the connections into place!

! **WARNING:** be careful not to damage the radiator or any other part of the motorcycle, during this process!

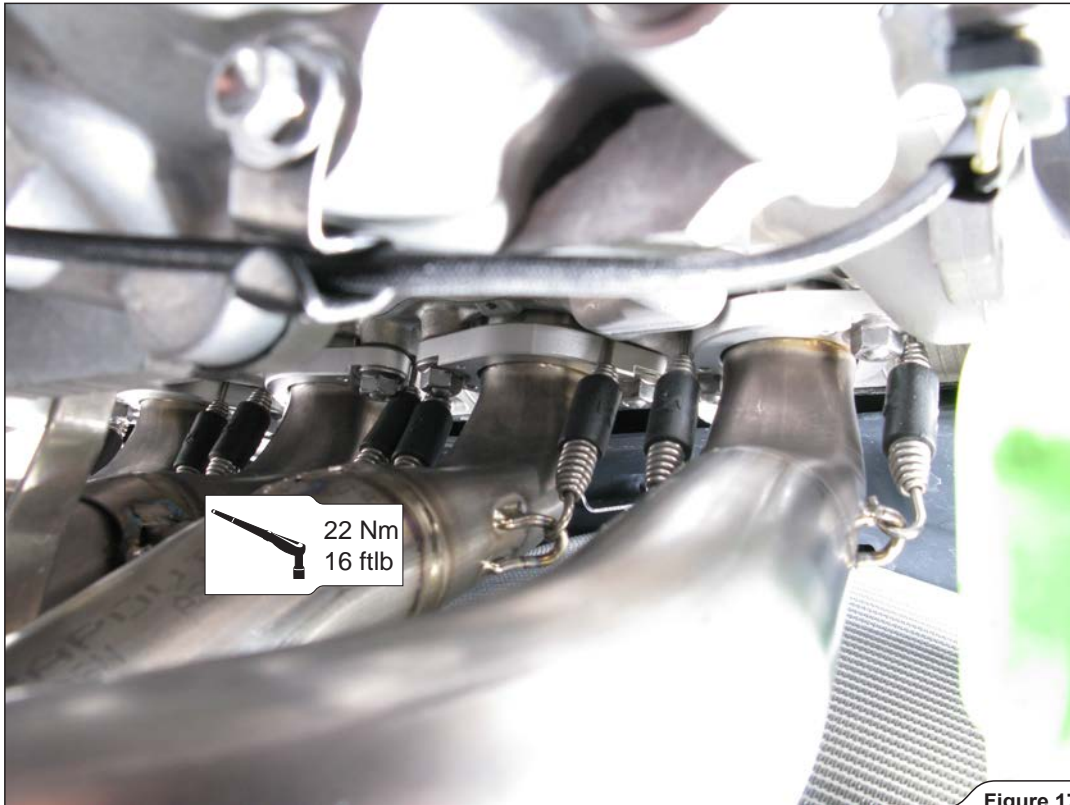


Figure 17

6. Tighten the radiator's bracket bolt to a specified torque (**Figure 18**).

! **WARNING:** be careful not to damage the radiator or any other part of the motorcycle, during this process!

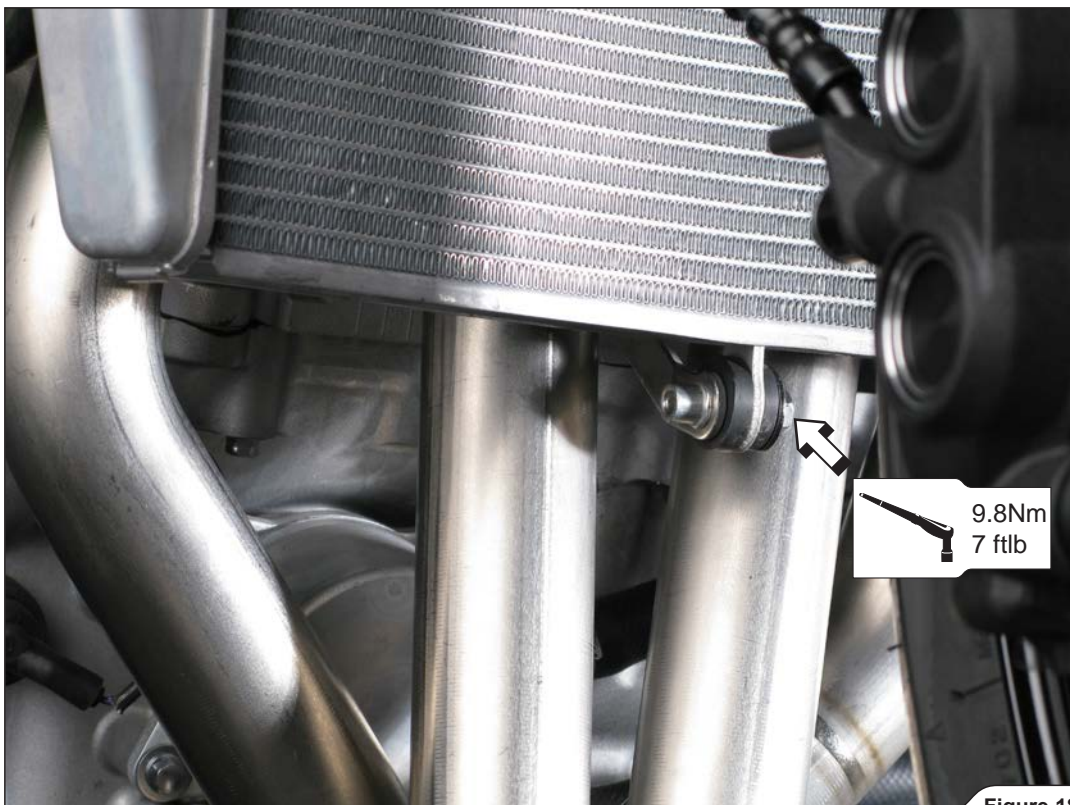


Figure 18

7. Slide the link pipe onto the collectors, attach the springs and tighten the lambda sensor into the link pipe (**Figure 19**).
! WARNING: grease only the threads of the lambda sensor with Akrapovič anti-seizing grease (white tube)!
! WARNING: make sure, that springs pull the link pipe all the way onto the collectors – use rubber mallet if necessary to tap the connections into place!
✂ INSTALLATION TIP: coat the interior side of the inlet bushes of the titanium link pipe with Akrapovič ceramic anti-seizing grease (white tube).

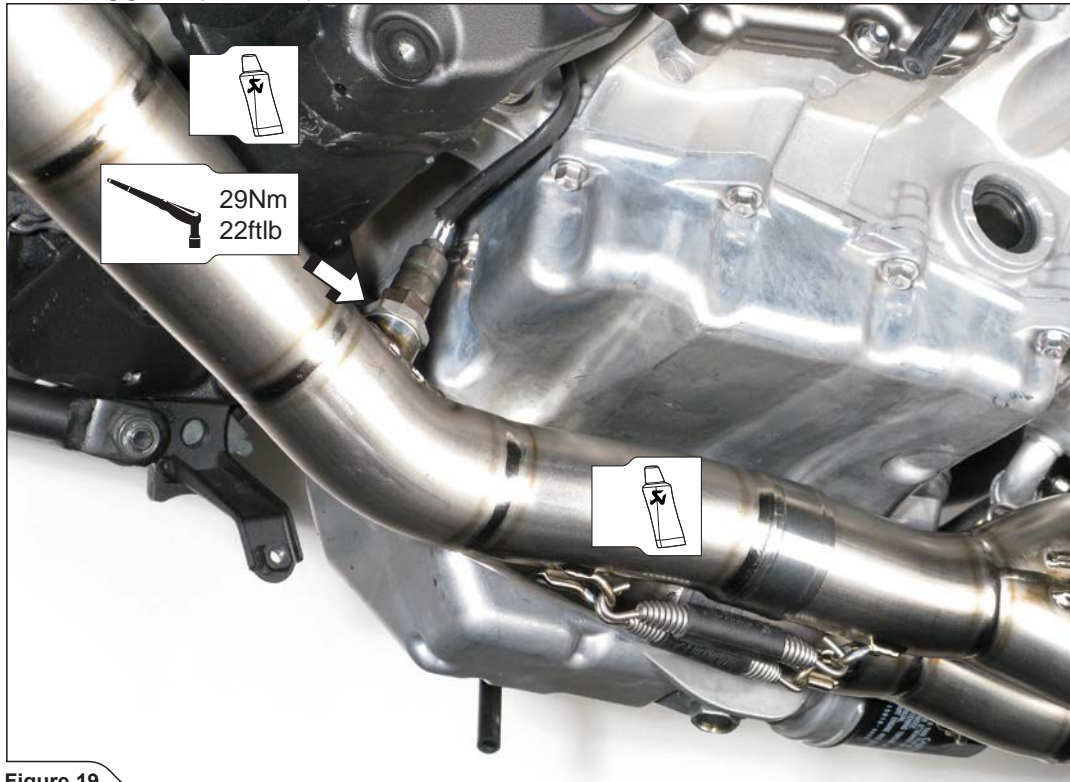


Figure 19

8. Correctly position the carbon fiber clamp and slide it onto the muffler - bear in mind the **right offset** (check position of yellow sticker on the clamp!) of the carbon fiber clamp viewed from the rear (**Figure 20, 21**).
! WARNING: open the clamp slightly wider than the diameter of the outer sleeve of the muffler – do not scrape it along the muffler outer sleeve!



Figure 20

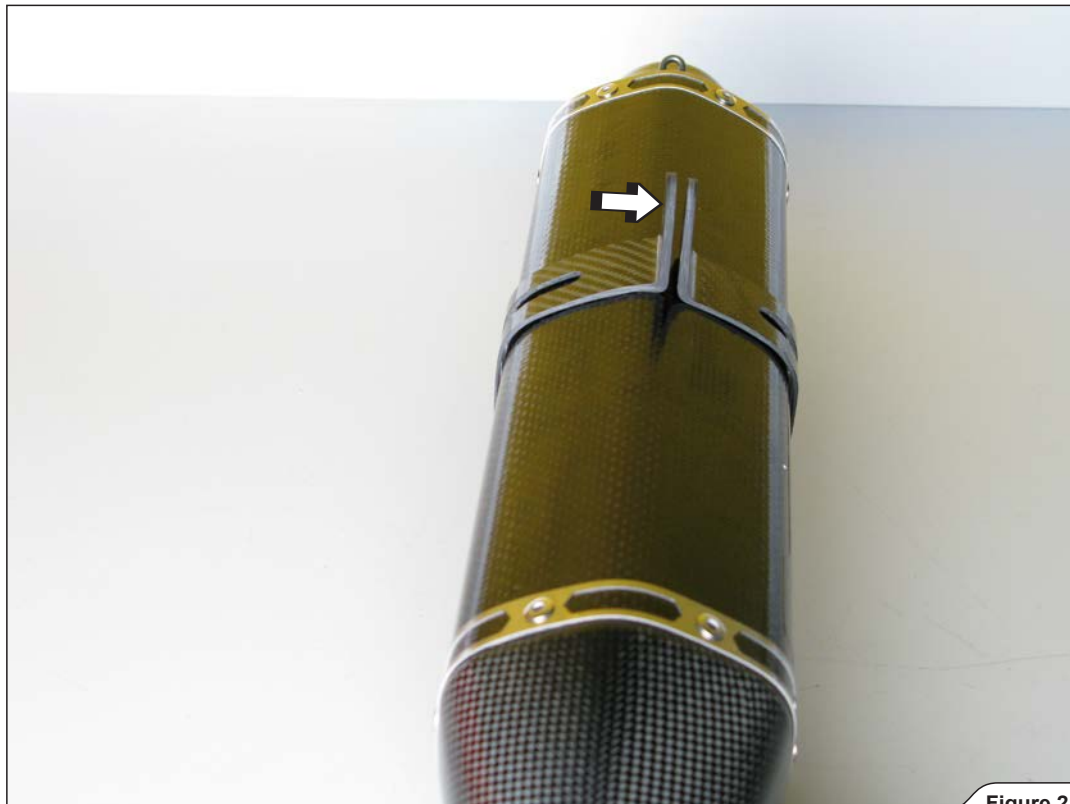


Figure 21

9. **For optional carbon fiber muffle bracket only:** correctly position the carbon fiber clamp and slide it onto the muffler - bear in mind the **left offset** (check position of yellow sticker on the clamp!) the carbon fiber clamp viewed from the rear (Figure 22, 23).

! WARNING: open the clamp slightly wider than the diameter of the outer sleeve of the muffler – do not scrape it along the muffler outer sleeve!



Figure 22

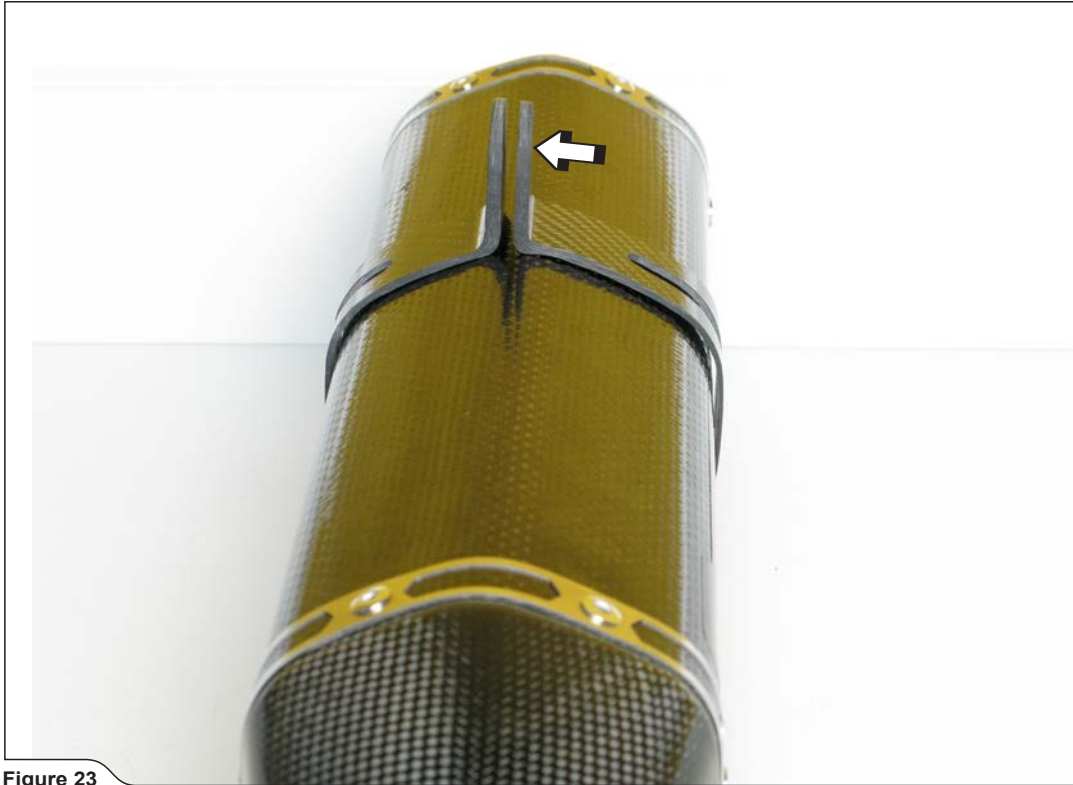


Figure 23

10. **For optional carbon fiber muffer bracket only:** change the original muffer bracket with Akrapovič carbon fiber bracket. Use original bolts to tighten the bracket onto the sub-frame (**Figure 24, 25**).



Figure 24



Figure 25

11. Position the muffler correctly and slide it onto the outlet side of the link pipe. Attach the springs (Figure 26).

! **WARNING:** make sure, that springs pull the muffler all the way onto the link pipe – use rubber mallet if necessary to tap the connection into place!

✂ **INSTALLATION TIP:** coat the interior side of the input bush of the muffler with Akrapovič ceramic anti-seizing grease (white tube).

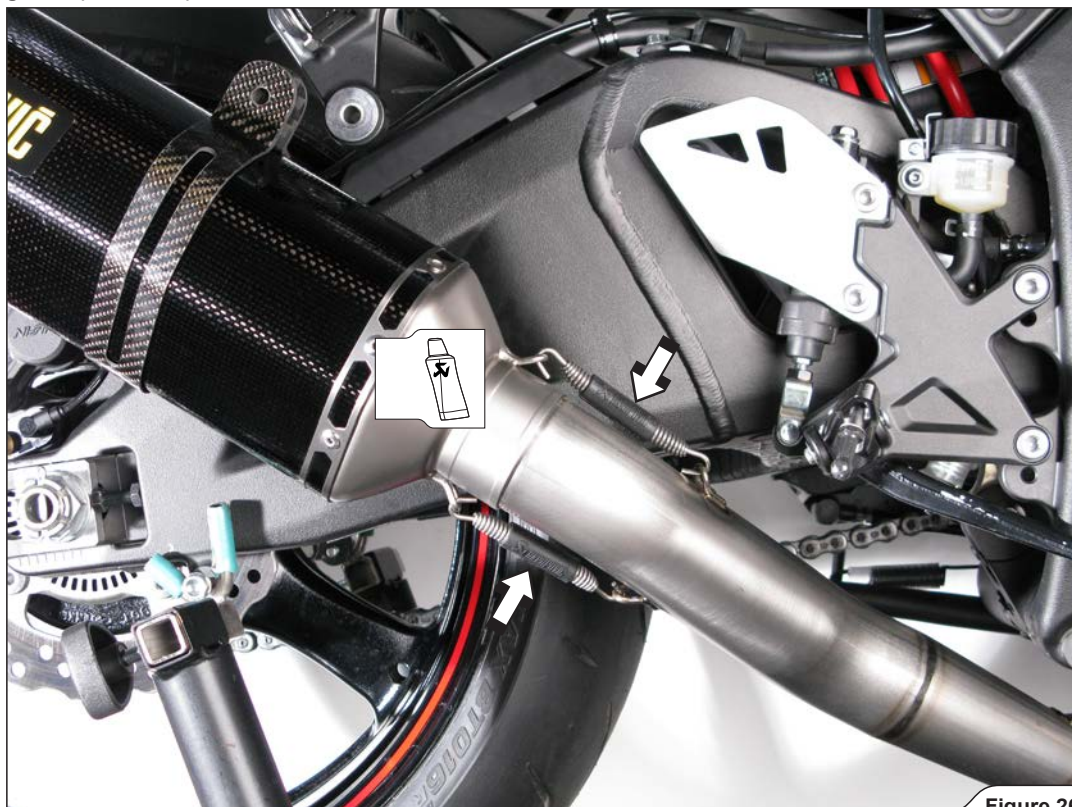


Figure 26

- Align the muffler in respect to the motorcycle and tighten the muffler clamp to the bracket, using Akrapovič bolt, washer, aluminium distance bush and nut, as shown (Figure 27).

! **WARNING:** make sure, that you assemble the marked Akrapovič alu. distance bush correctly (Figure 27)!

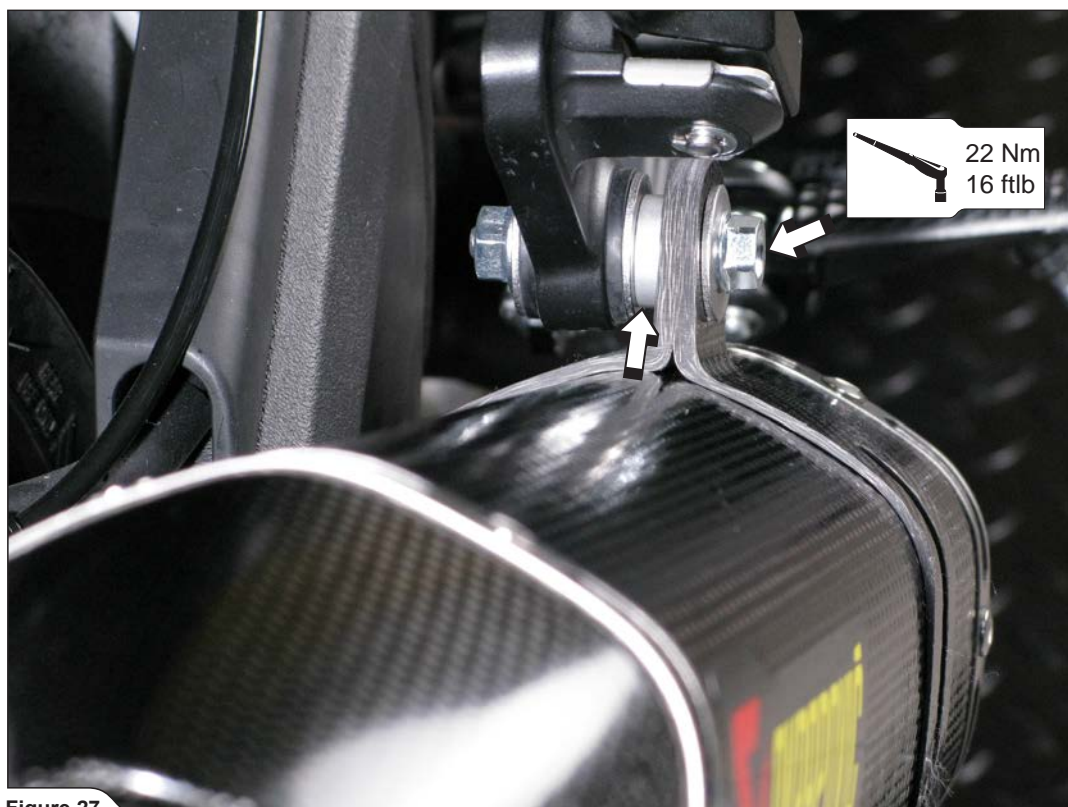


Figure 27

- For optional carbon fiber muffler bracket only:** align the muffler in respect to the motorcycle and tighten the muffler clamp to the bracket, using Akrapovič bolt, washers, and nut, as shown (Figure 28, 29).



Figure 28



Figure 29

14. Assemble all cowlings and seats in the reverse order from the order in which they were removed (Figure 30, 31, 32).
! WARNING: be careful not to damage any part of the motorcycle, during this process!

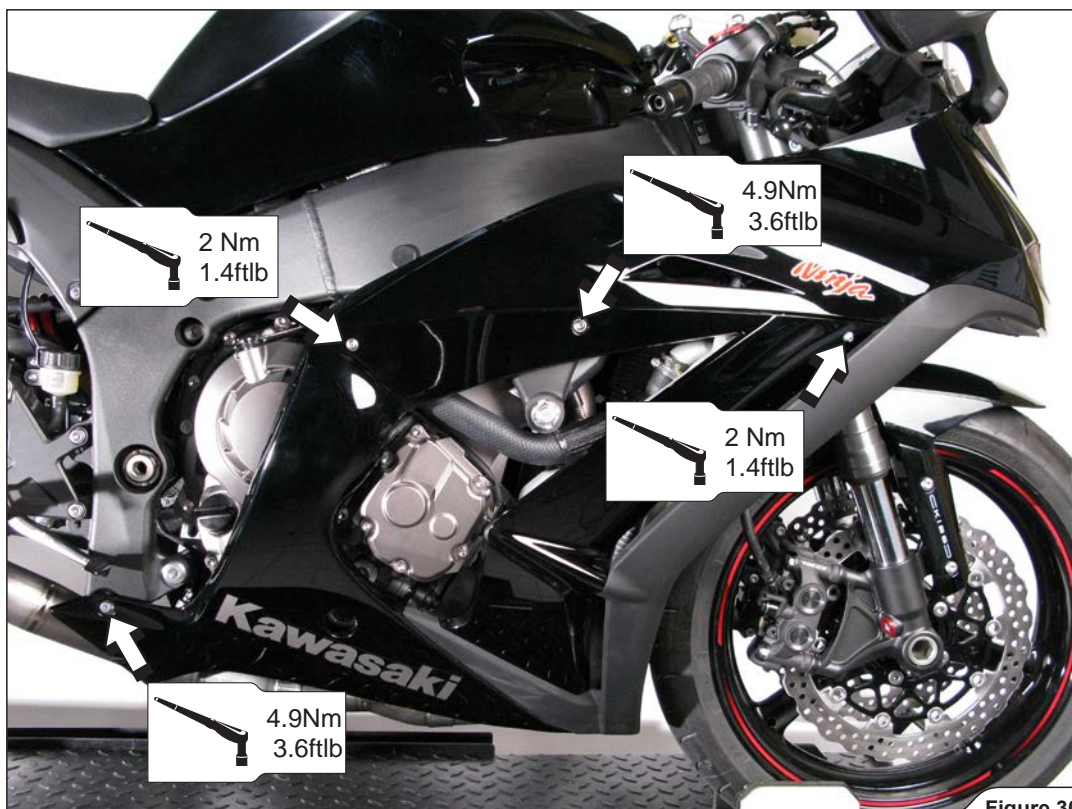


Figure 30

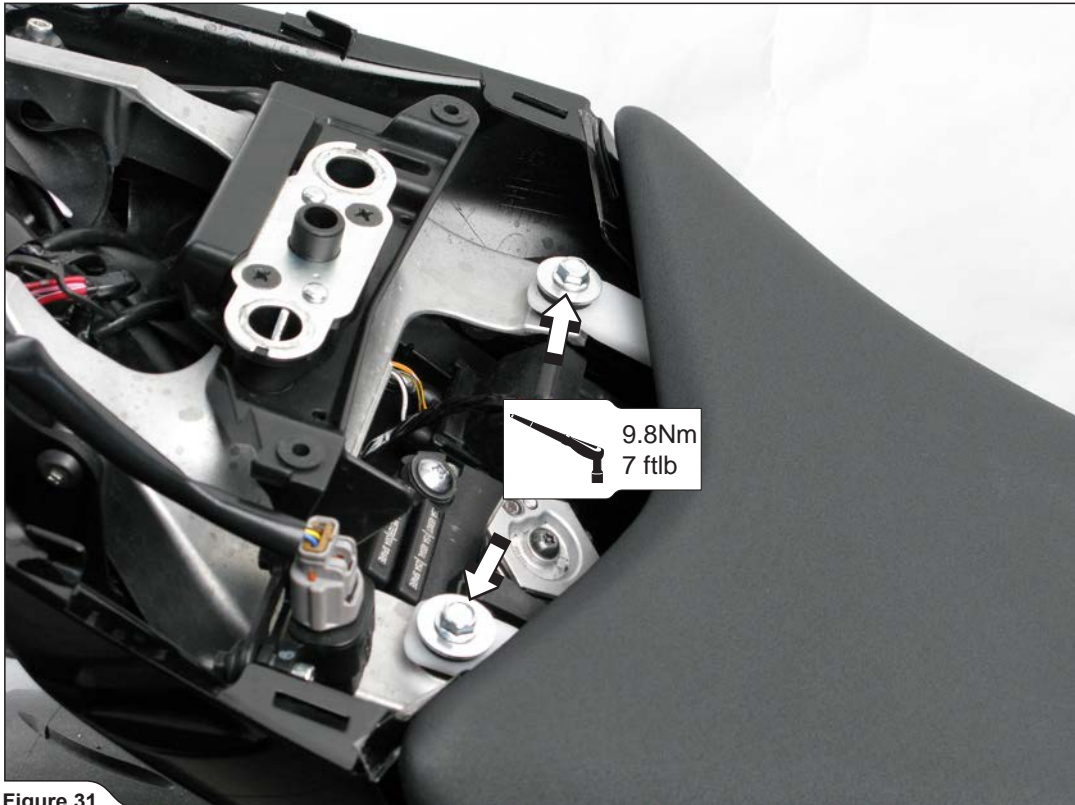


Figure 31



Figure 32

Final installation:

Clean grease spots:

- a. Muffler – carbon-fiber outer sleeve and outlet cap: use a soft dry cloth.
- b. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
- c. Titanium header pipes, collectors, link pipe and muffler's inlet cap: use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40 or equivalent).

Cleaning will prevent spots from burning onto the surface. Do not use aggressive chemical cleaners, because they can damage the sticker.

- ! **WARNING: Akrapovič COMPLETE exhaust system for Kawasaki ZX-10R, MUST be used in combination with ECU fuel mapping enrichment, otherwise you risk severe engine damage!**
- ! **WARNING: make sure all the 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.**
- ! **WARNING: check vehicle manufacturer manual for tightening torques (for dismounted stock parts)!**
- ! **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.**

IMPORTANT:

- ! **WARNING: Akrapovič EVOLUTION exhaust system for Kawasaki ZX-10R, is RECOMMENDED to be used in combination with ECU fuel mapping enrichment, otherwise you risk severe engine damage!**

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 the high temperatures.
2. Periodically make sure all the bolts and springs are sufficiently tight.

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 catalyysts, 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."