



Installation instructions

Akrapovič Exhaust System:
Evo Line Kit
for the
YAMAHA YZF-R1



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.

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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/>

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Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



INSTALLATION TIP



TIGHTENING TORQUE



CAUTION OR WARNING



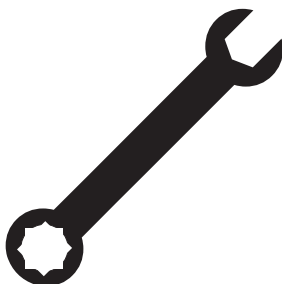
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of reach of children.**



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 4 mm wrench
T-handle 5 mm wrench
T-handle 12 mm wrench
Socket 10 mm
Combination 10 mm wrench
Combination 17 mm wrench
T-handle 8 mm swiveling hexagon wrench
Rubber mallet
Spring puller
Screwdriver



BEFORE INSTALLING, CHECK THE PARTS LIST AND SCHEMATIC DRAWING 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 YAMAHA YZF-R1 2015. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER MODELS.



AKRAPOVIČ MAKES EVERY EFFORT TO PROVIDE IMPROVED CORNERING CLEARANCE FOR EXHAUST SYSTEMS. HOWEVER, DUE TO DESIGN AND SPACE LIMITATIONS ON SOME MOTORCYCLE MODELS, GROUND AND CORNERING CLEARANCE MAY NOT IMPROVE OR MAY EVEN BE REDUCED. FOR ADVANCED USERS, WE RECOMMEND INCREASING THE SPRING PRELOAD SETTINGS TO IMPROVE GROUND CLEARANCE.



THIS SYSTEM FITS ON YAMAHA RACING FAIRINGS

REMOVAL OF STOCK EXHAUST SYSTEM:

1. Put the motorcycle on a central stand. Make sure, that surface is solid and flat.
2. Unscrew marked bolts, unpin marked pins and carefully remove plastic cowlings on both side off the motorcycle (Figure 1, 2, 3).

! WARNING: make sure not to scratch or damage any part of the motorcycle during this procedure!



Figure 1

! WARNING: make sure not to scratch or damage any part of the motorcycle or exhaust system during this procedure!

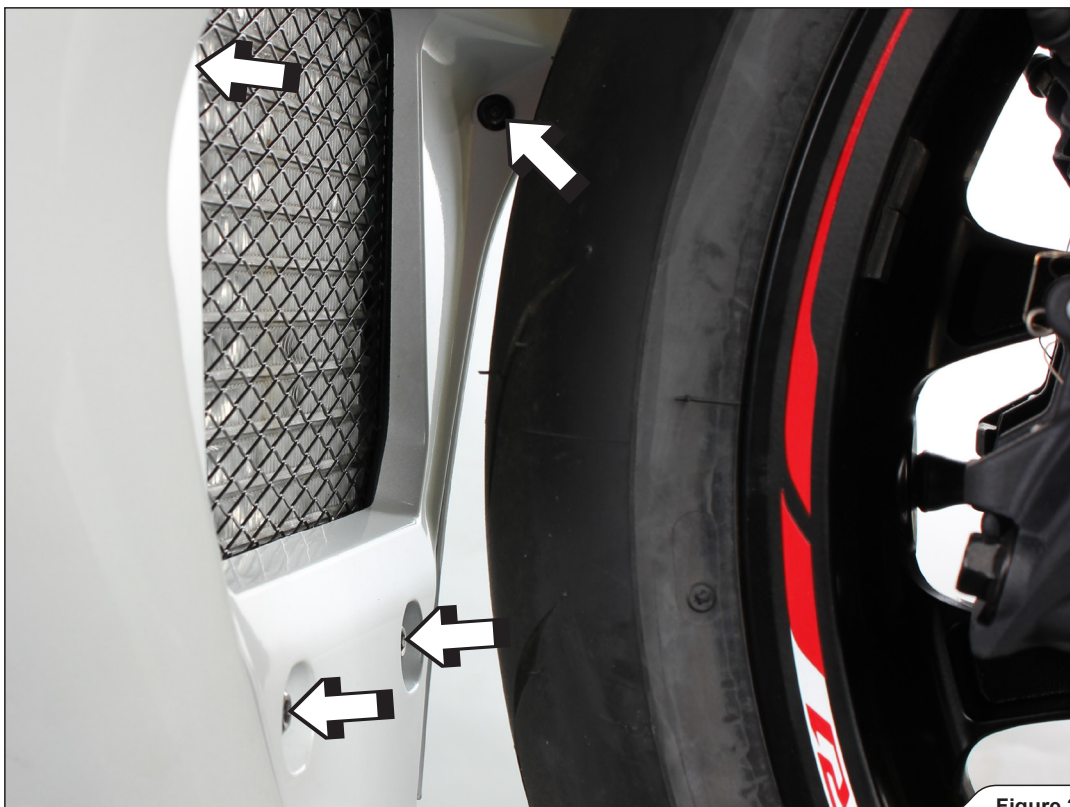


Figure 2



Figure 3

3. Unscrew marked muffler clamp and bracket bolts and remove stock muffler together with bracket off the motorcycle (Figure 4).

! WARNING: make sure not to scratch or damage any part of the motorcycle or exhaust system during this procedure!



Figure 4

4. Unscrew marked bolts and remove stock heat-shields (**Figure 5**).

! **WARNING:** make sure not to scratch or damage any part of the motorcycle or exhaust system during this procedure!

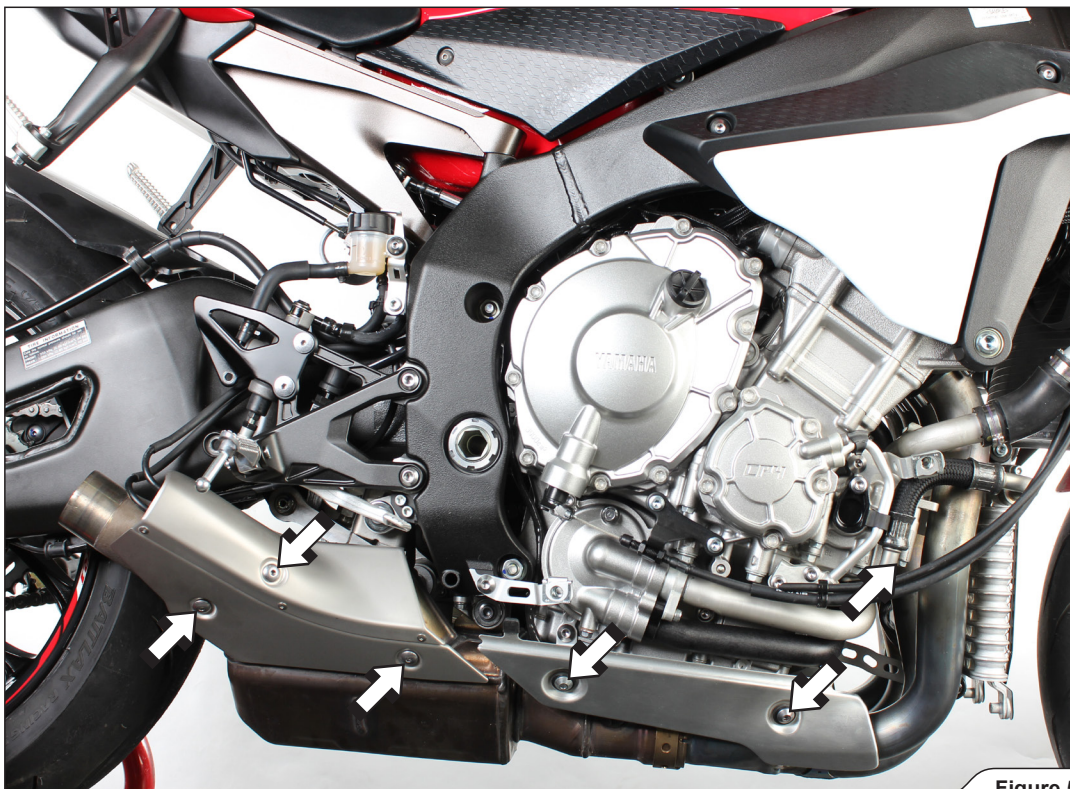


Figure 5

5. Unscrew the marked cables' nuts and remove the cables off the valve (**Figure 6**).

! **WARNING:** make sure not to scratch or damage any part of the motorcycle or exhaust system during this procedure!



Figure 6

6. Unscrew marked bolts located on the right and left side, under the back side of driver's seat and remove the seat off the motorcycle (**Figure 7**).



Figure 7

7. Unscrew marked bolts and remove plastic battery cover off the motorcycle (**Figure 8**).

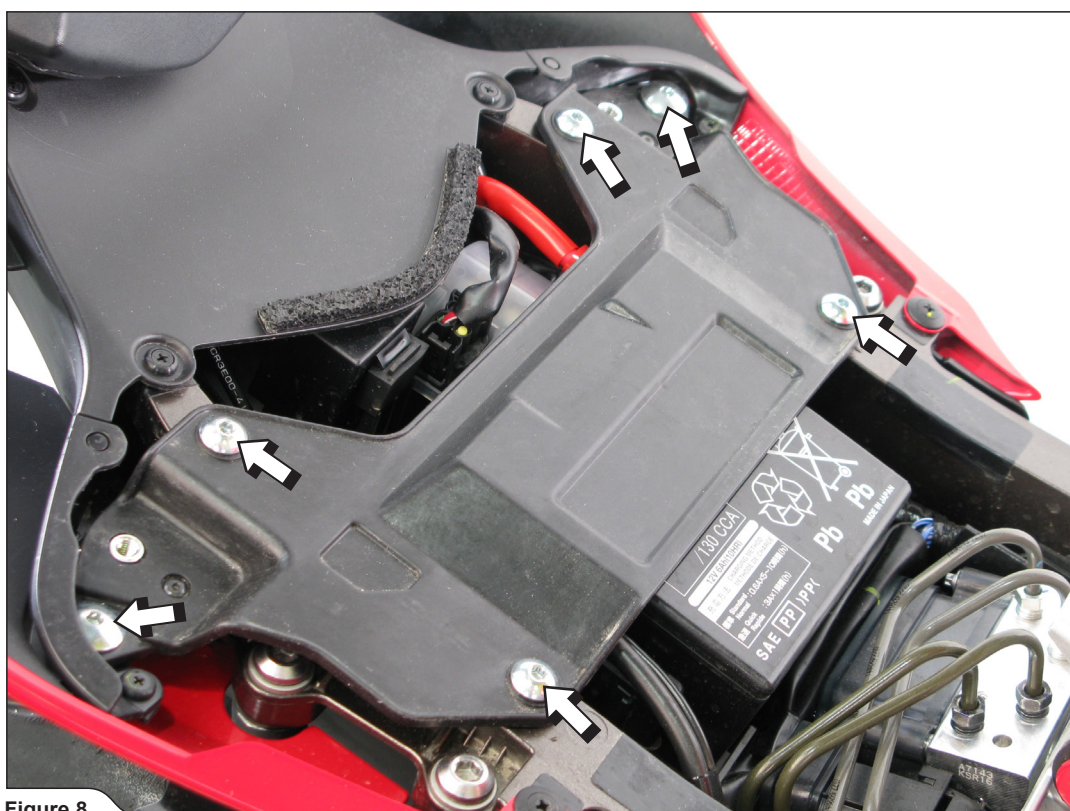


Figure 8

8. Unscrew and unpin marked bolts and carefully remove plastic cover off the motorcycle (Figure 9).

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



Figure 9

9. Unscrew the marked bolt and carefully lift up exhaust valve's servo motor (Figure 10).

! **WARNING:** make sure not to scratch or damage any part of the motorcycle or exhaust system during this procedure!



Figure 10

10. Unscrew the servo motor's cover, remove the cables and reinstall the cover (Figure 11, 12).

! **CAUTION:** be careful not to damage the servo motor during this process!



Figure 11

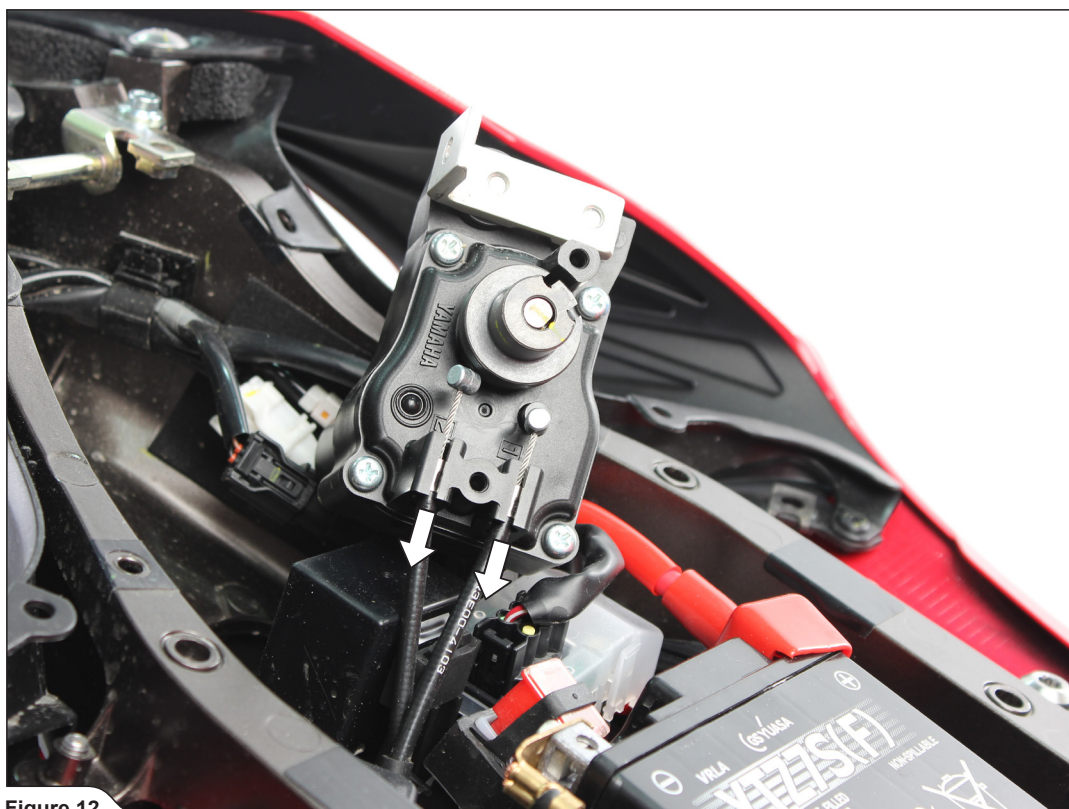


Figure 12

11. Unpin marked protection bracket and pull servo cables off the motorcycle, as shown (**Figure 13, 14**).
- ! WARNING: make sure not to damage the motorcycle and servo cables during this process!**



Figure 13

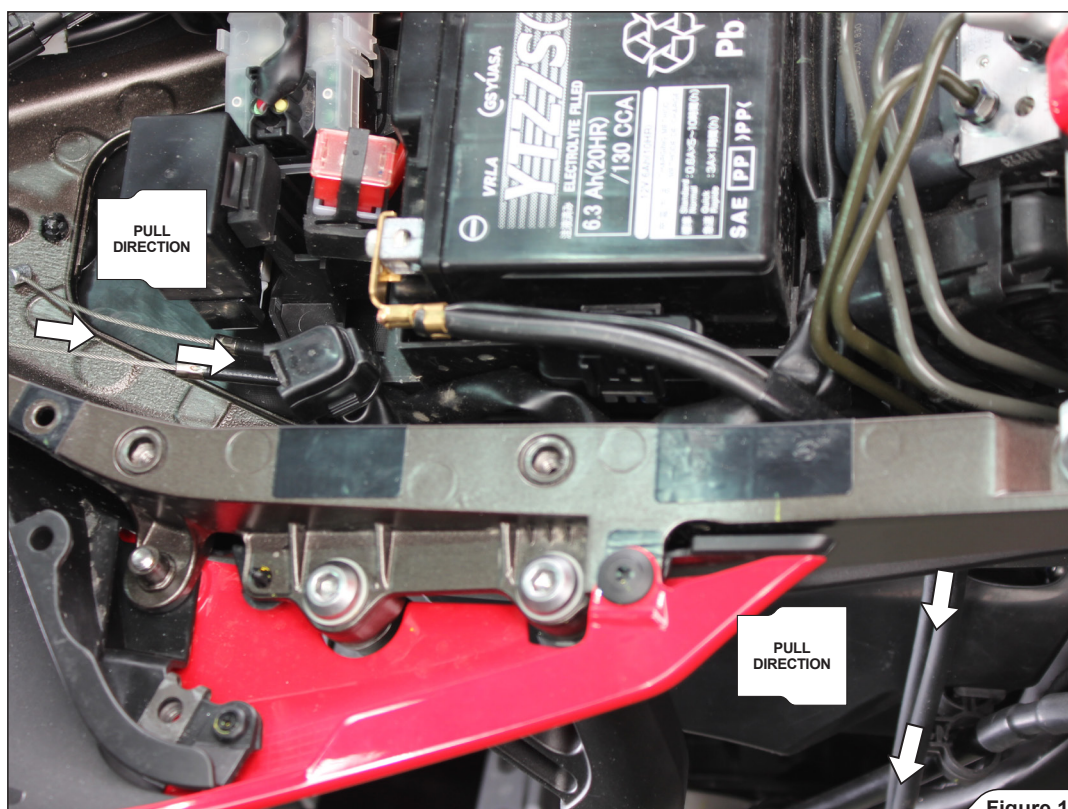


Figure 14

12. Reinstall valve servo motor without cables onto the motorcycle in reverse order from the order in which it was removed (Figure 15, 16).

! **WARNING:** make sure that valve servo motor's electrical connector is not disconnected!

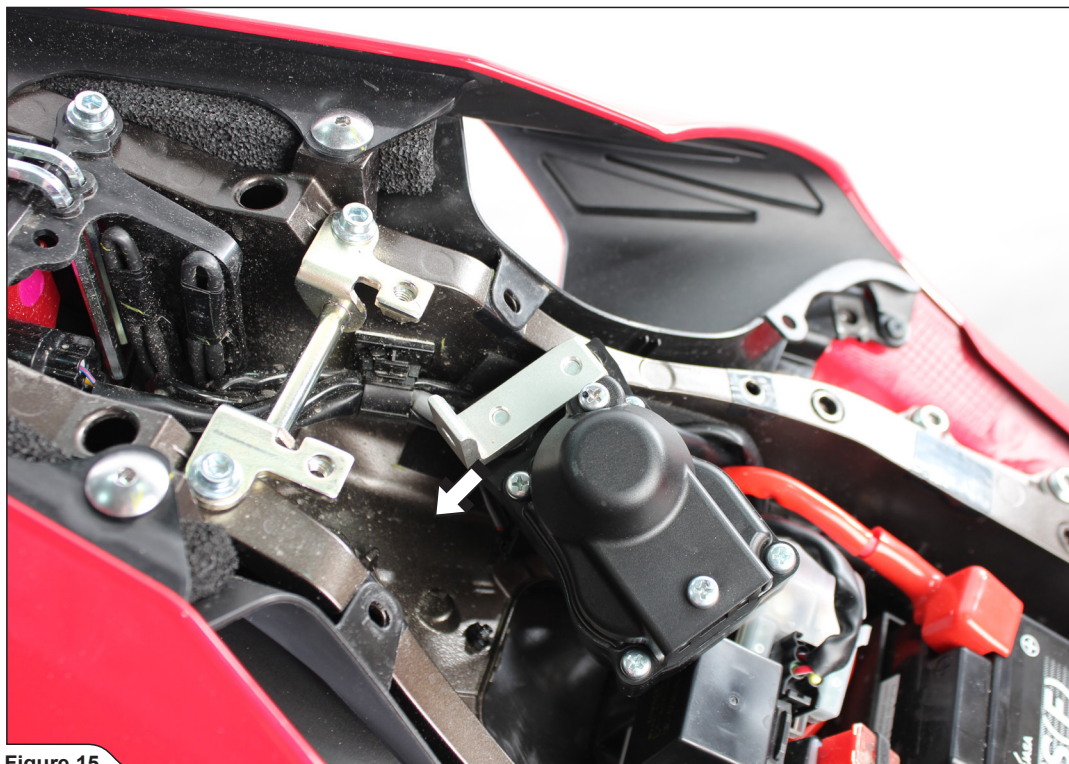


Figure 15

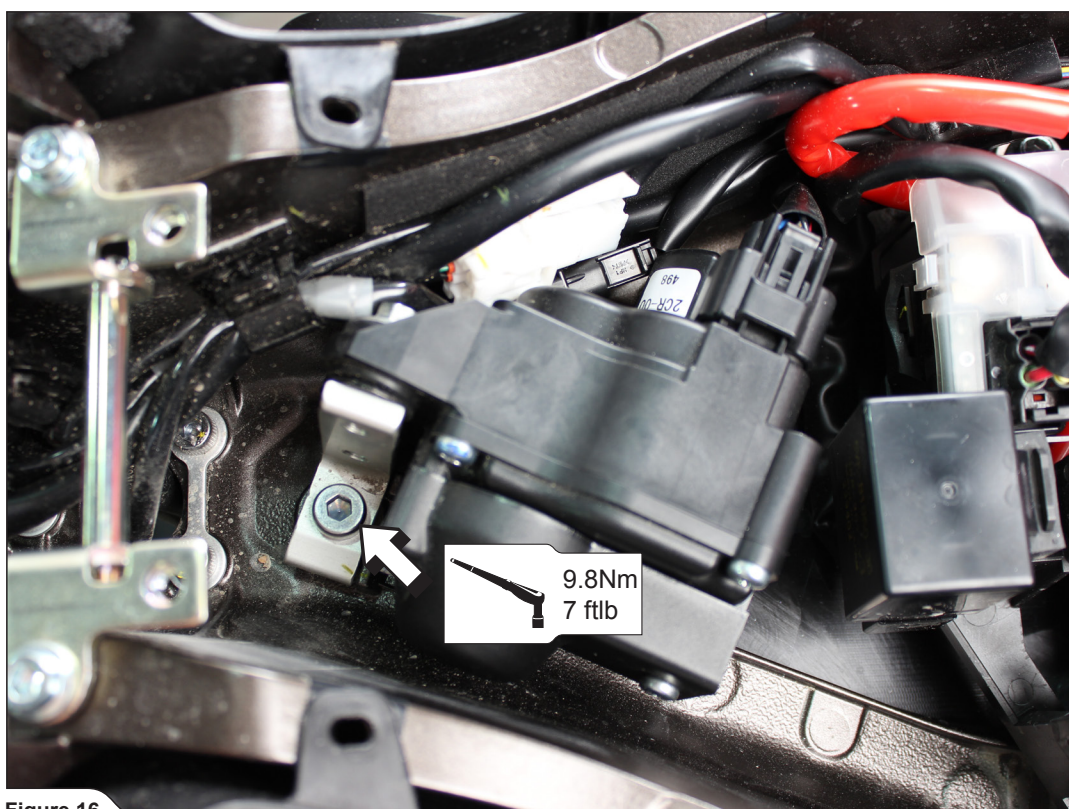


Figure 16

13. Unscrew lambda sensors and connection clamps on both side of the motorcycle.
 14. Unscrew marked bracket bolts on both side of the motorcycle and carefully remove stock collector off the motorcycle (Figure 17, 18).
- ! **WARNING:** make sure not to damage the lambda sensor's electrical lead during this process!

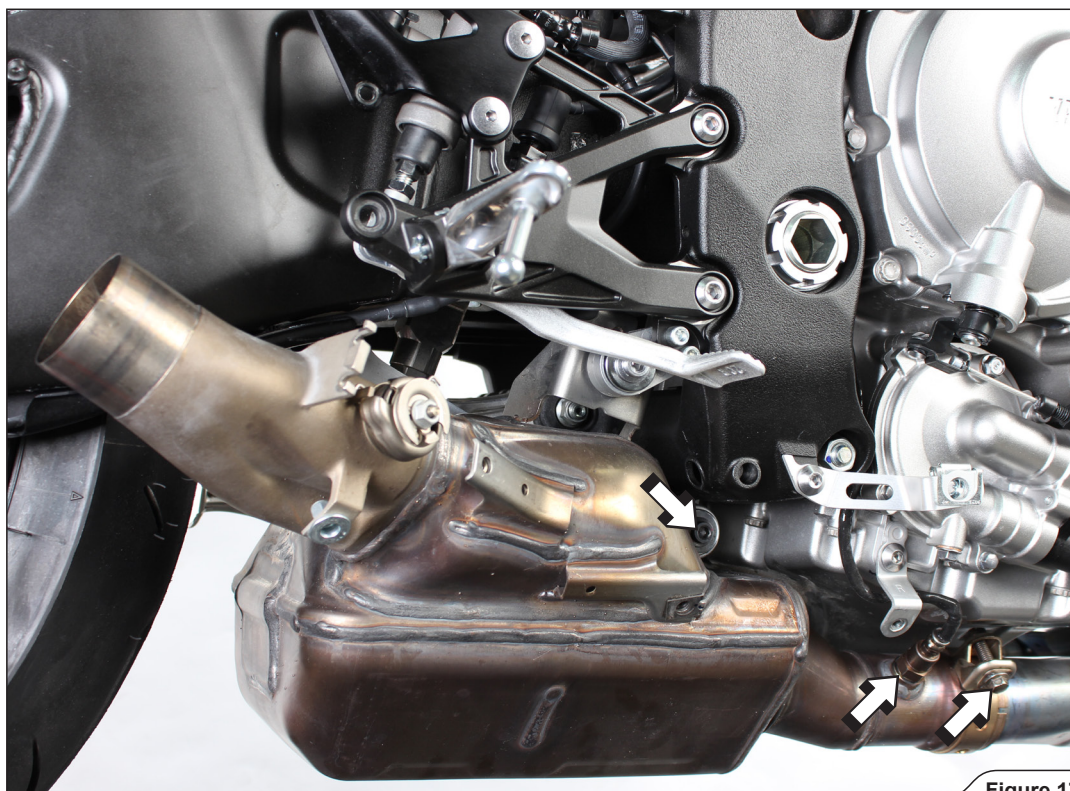


Figure 17

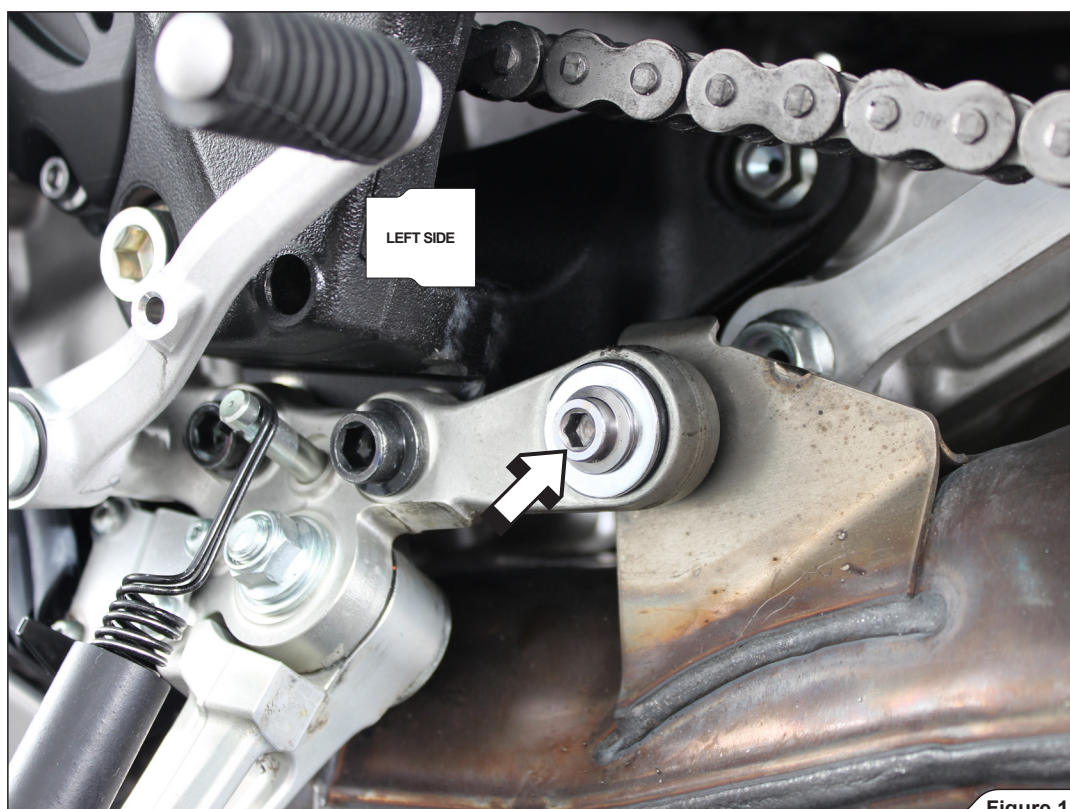


Figure 18

15. Unscrew marked bolts and carefully remove the radiators' bracket off the motorcycle (Figure 19).

! CAUTION: be careful not to damage any part of the motorcycle during this process!



Figure 19

16. Unscrew header flanges and carefully remove stock headers off the motorcycle (Figure 20).

! CAUTION: be careful not to damage any part of the motorcycle during this process!

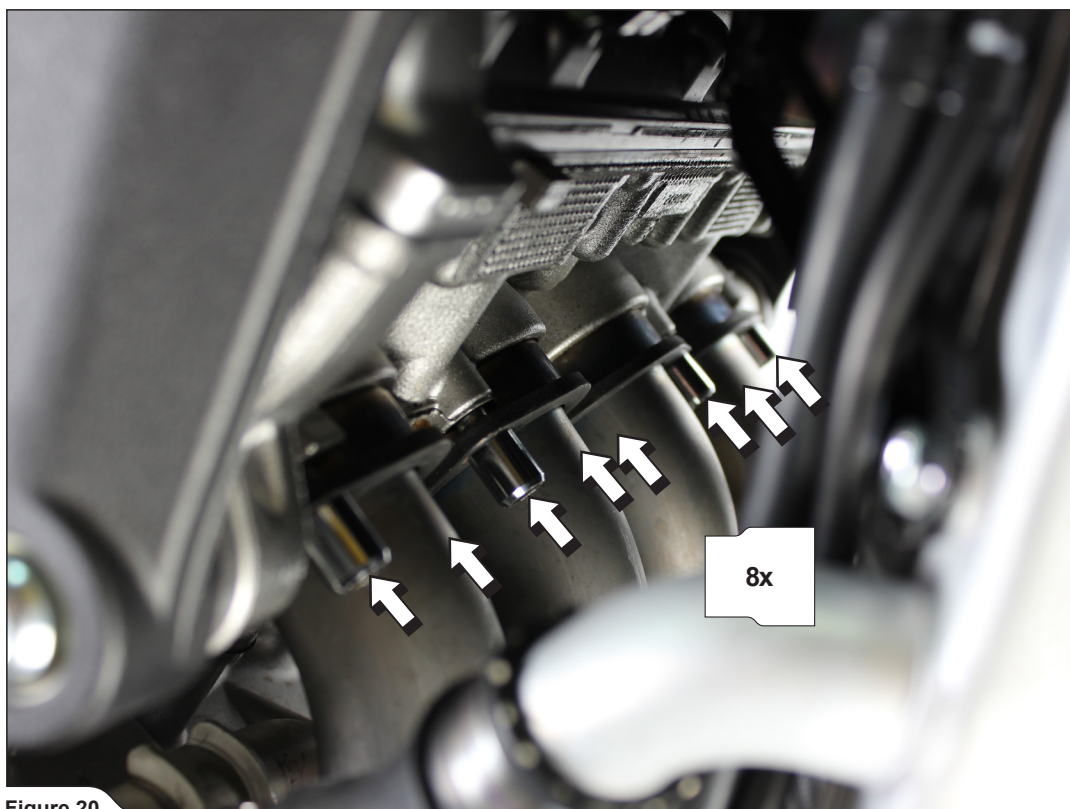


Figure 20

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Set up and hand tighten the flanges together with the springs and sleeves onto the cylinder head, using stock nuts; make sure you orient the flanges and springs as shown (**Figure 21, 22**).

! WARNING: do not fully tighten the flanges yet!

✂ INSTALLATION TIP: use new stock exhaust port gaskets.



Figure 21

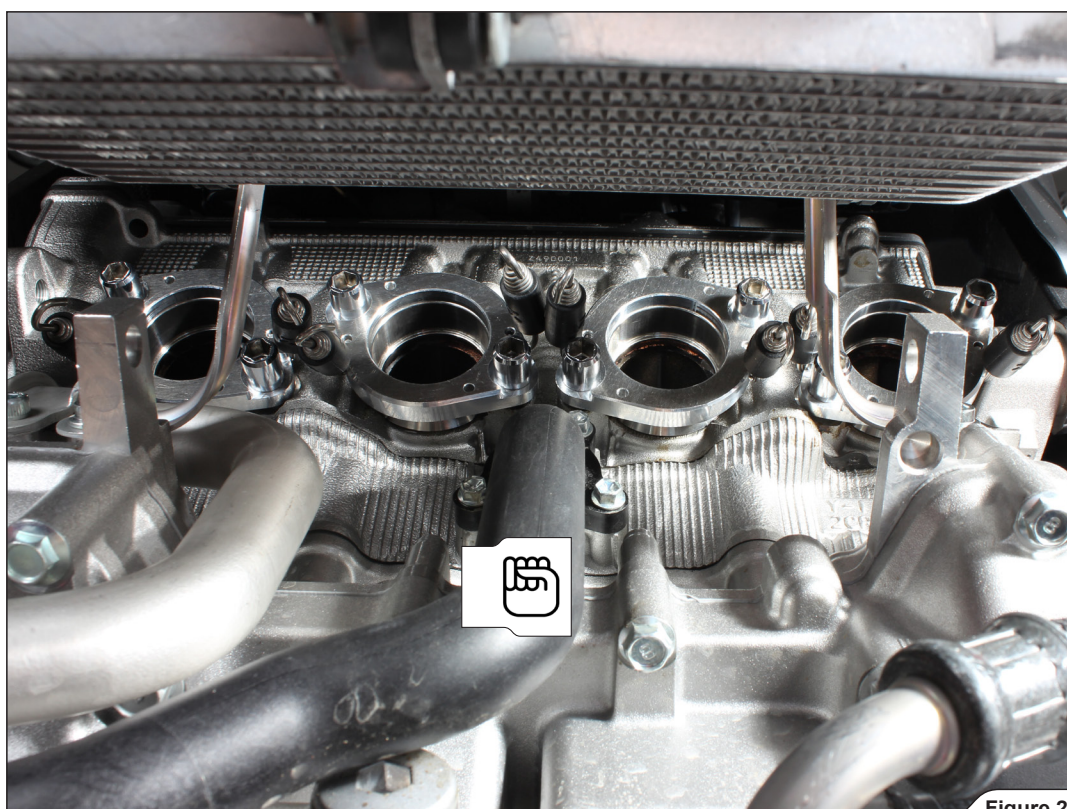


Figure 22

2. Slide the collectors onto the header tubes and attach the springs (Figure 23).

! **WARNING:** make sure, that springs pull the collectors all the way onto the headers – use rubber mallet if necessary to tap the connections into place!

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

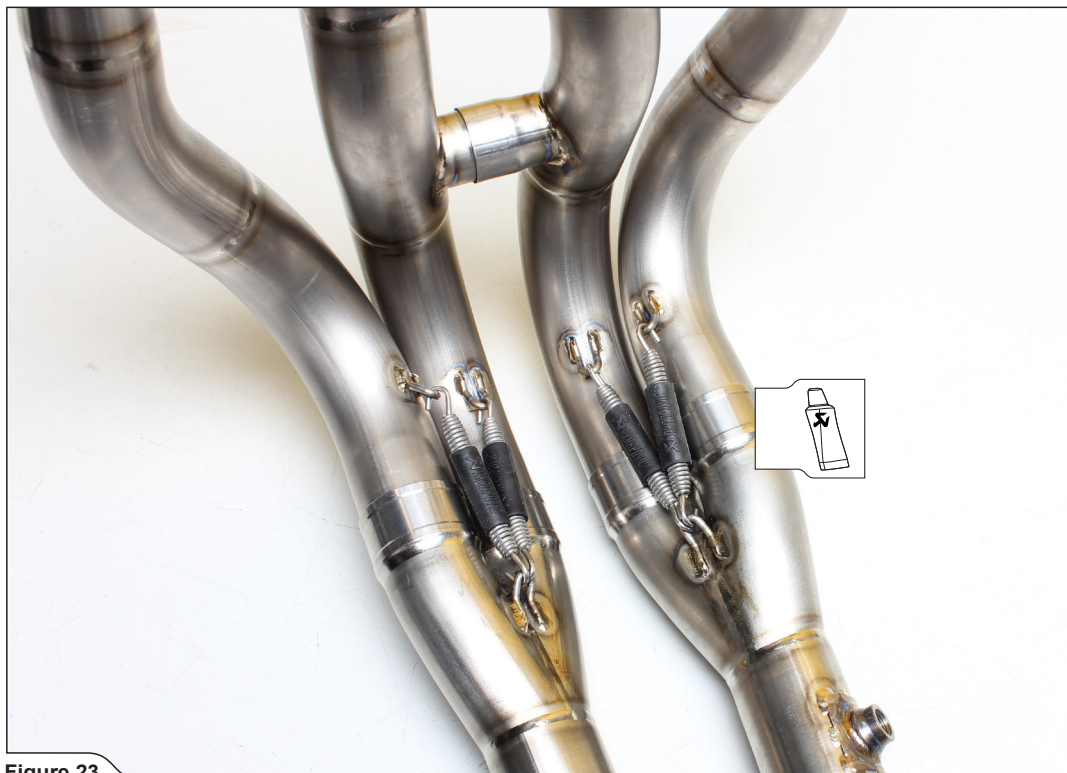


Figure 23

3. Insert the headers into the sleeves, attach the springs, install the link-pipe bracket using nut from Akrapovič installation kit and stock bolt and washer. Attach lambda sensors and tighten the flanges, bracket bolt and both lambda sensors to specified torques (Figure 24, 25, 26).

! **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!

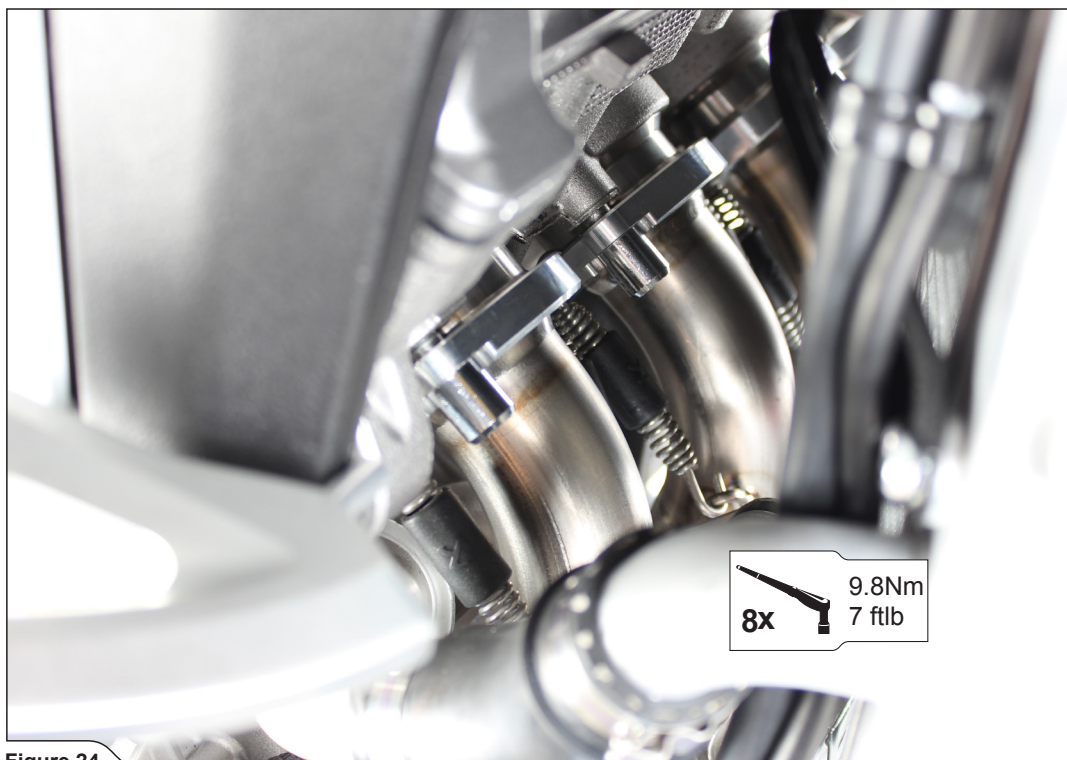
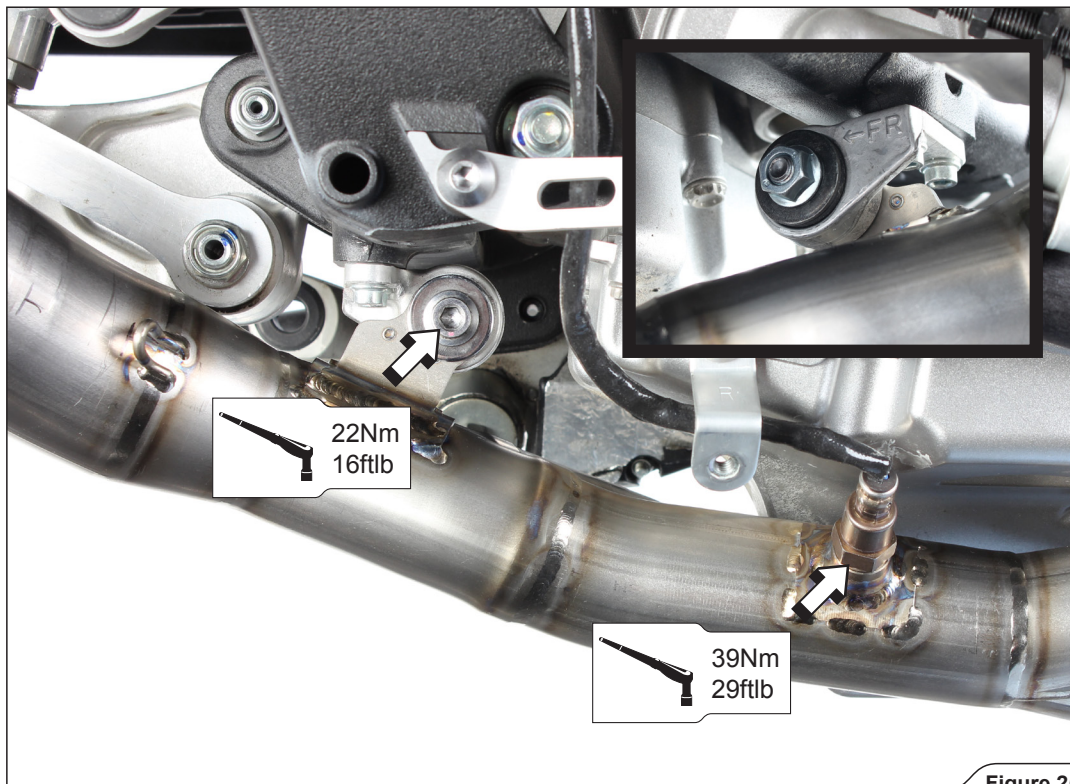
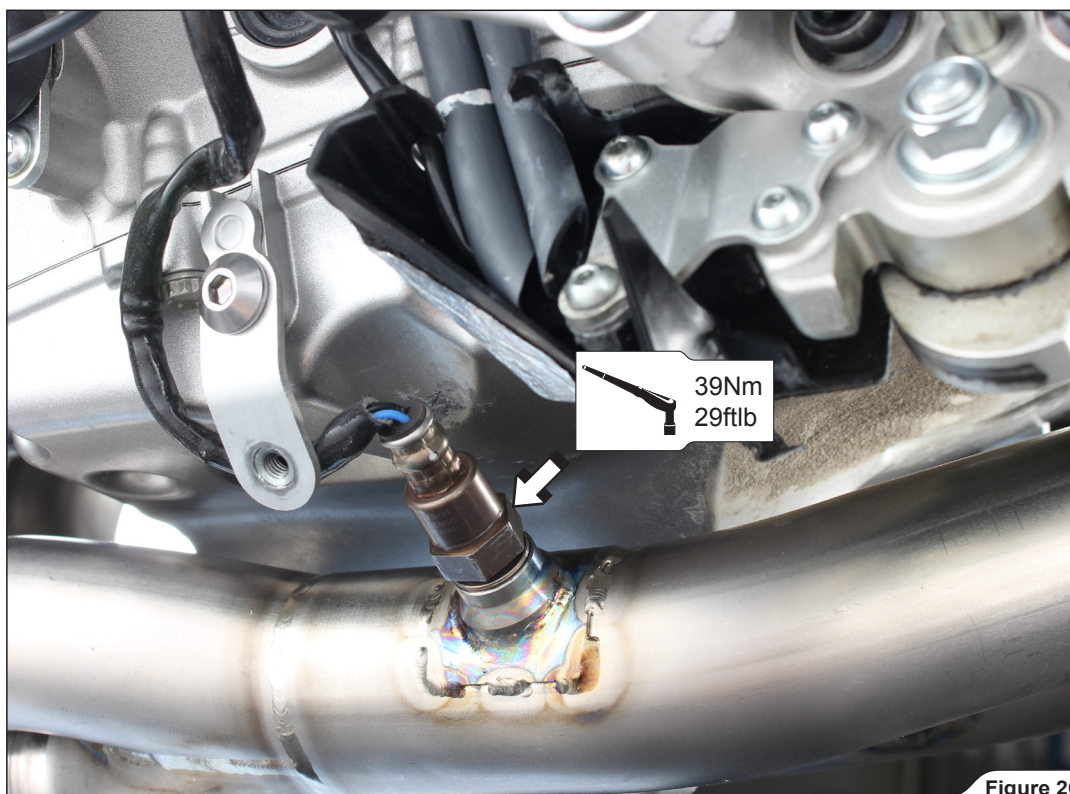


Figure 24

- ! **IMPORTANT:** make sure not to damage the sensors' electrical leads during this procedure!
- ✂ **INSTALLATION TIP:** use ceramic anti-seizing grease on the lambda sensor threads (white tube).



- ! **IMPORTANT:** make sure not to damage the sensors' electrical leads during this procedure!
- ✂ **INSTALLATION TIP:** use ceramic anti-seizing grease on the lambda sensor threads (white tube).



4. Mount Akrapovič muffler bracket onto the motorcycle, as shown and tighten with specified torque (**Figure 27**).

! **WARNING:** make sure not to damage yourself or motorcycle using this procedure!

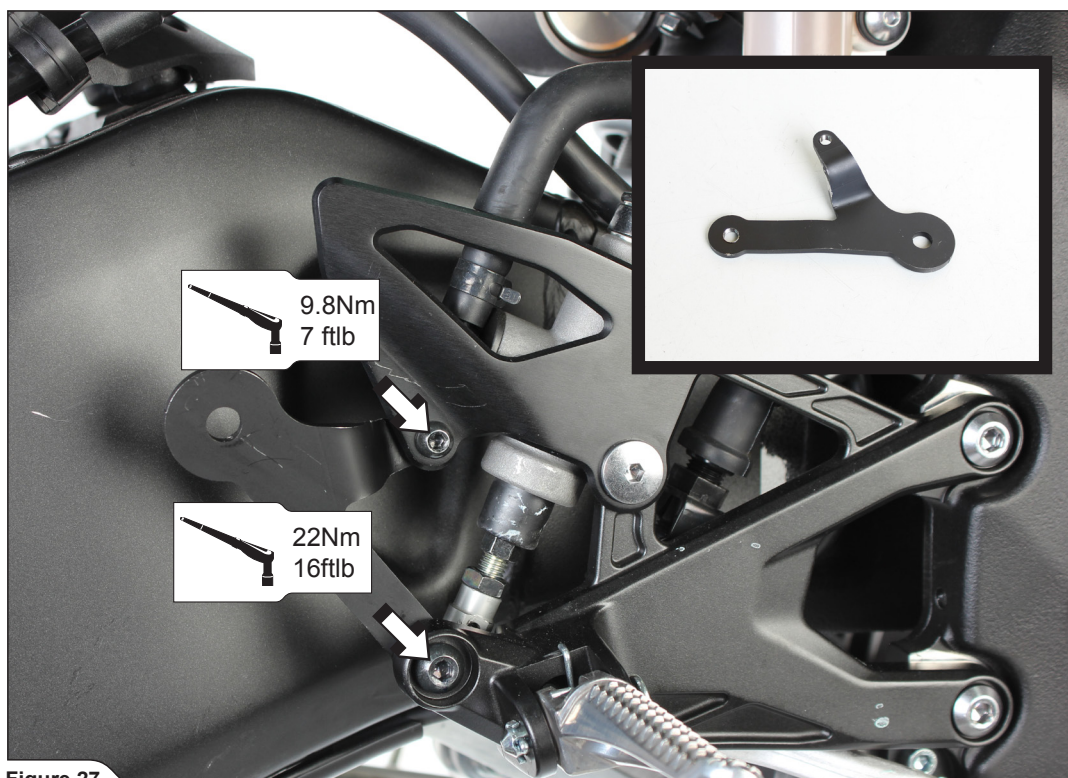


Figure 27

5. Slide the muffler onto the collector, attach the springs and tighten the muffler's bracket, using bolt, washers and nut from Akrapovič installation kit (**Figure 28, 29**).

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

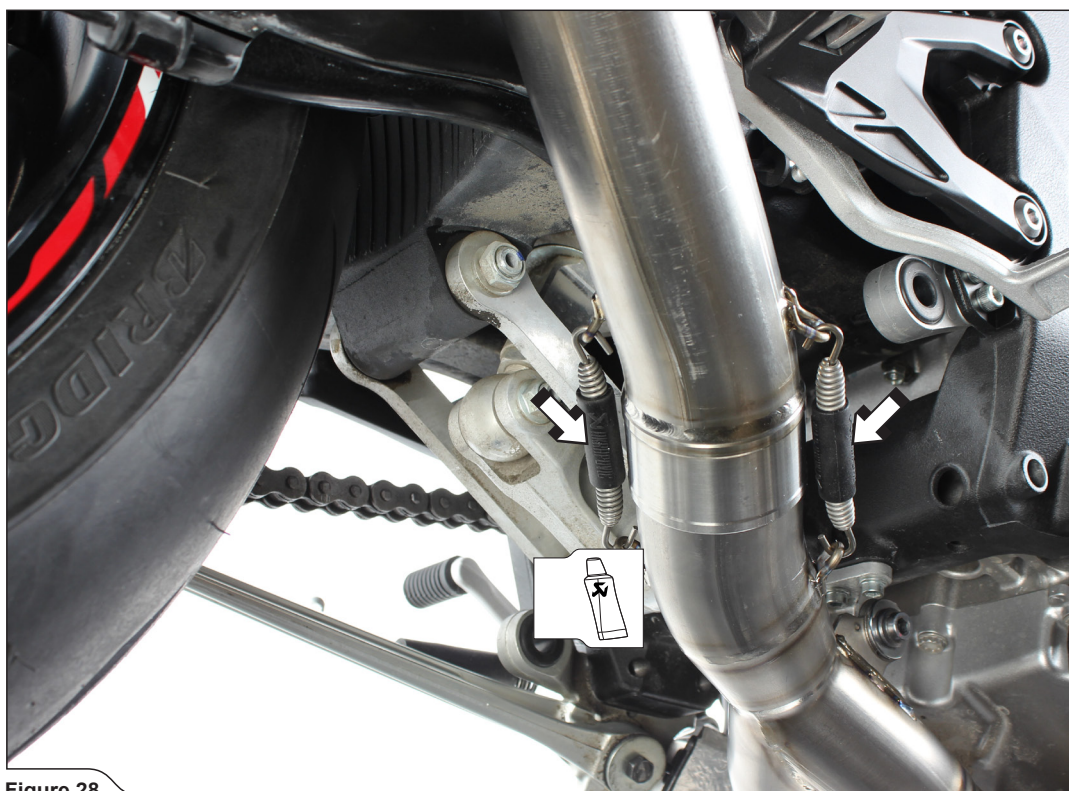


Figure 28

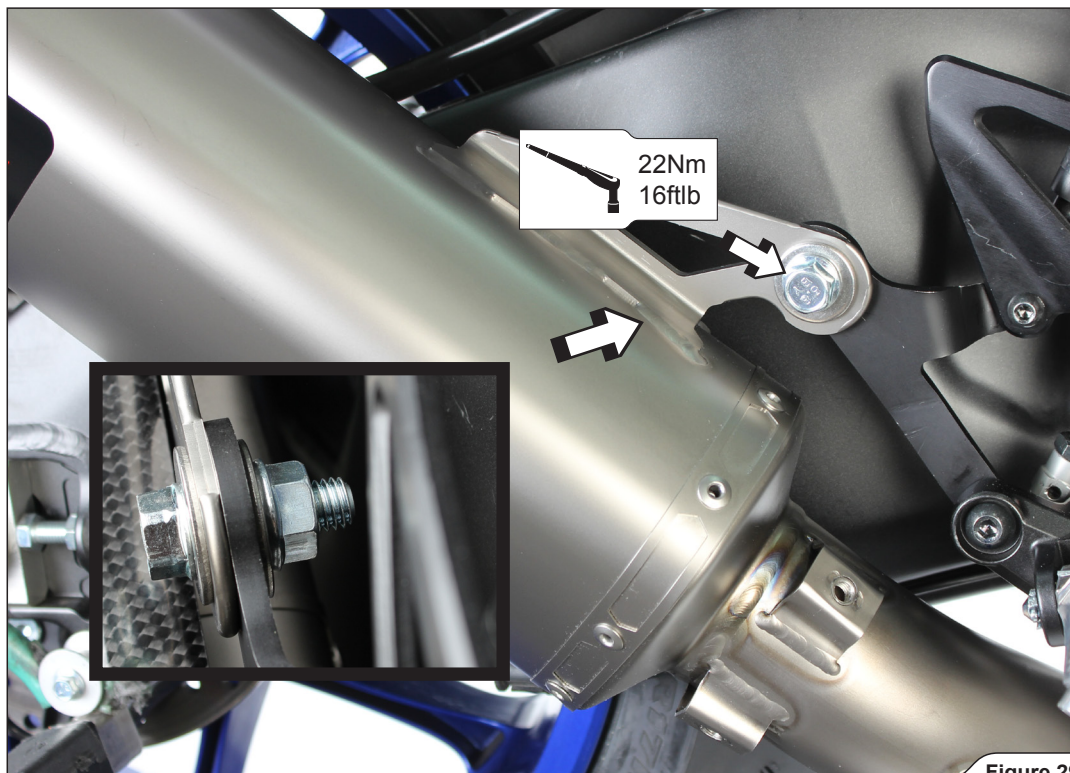


Figure 29

6. Assemble the Akrapović carbon fiber heat shield onto the muffler, using Akrapović bolts and heat resistant washers (Figure 30, 31).

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

! CAUTION: make sure to place the bigger heat resistant washers between the muffler and carbon fiber heat shield and smaller washers between bolts' heads and heat shield!



Figure 30

! CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!

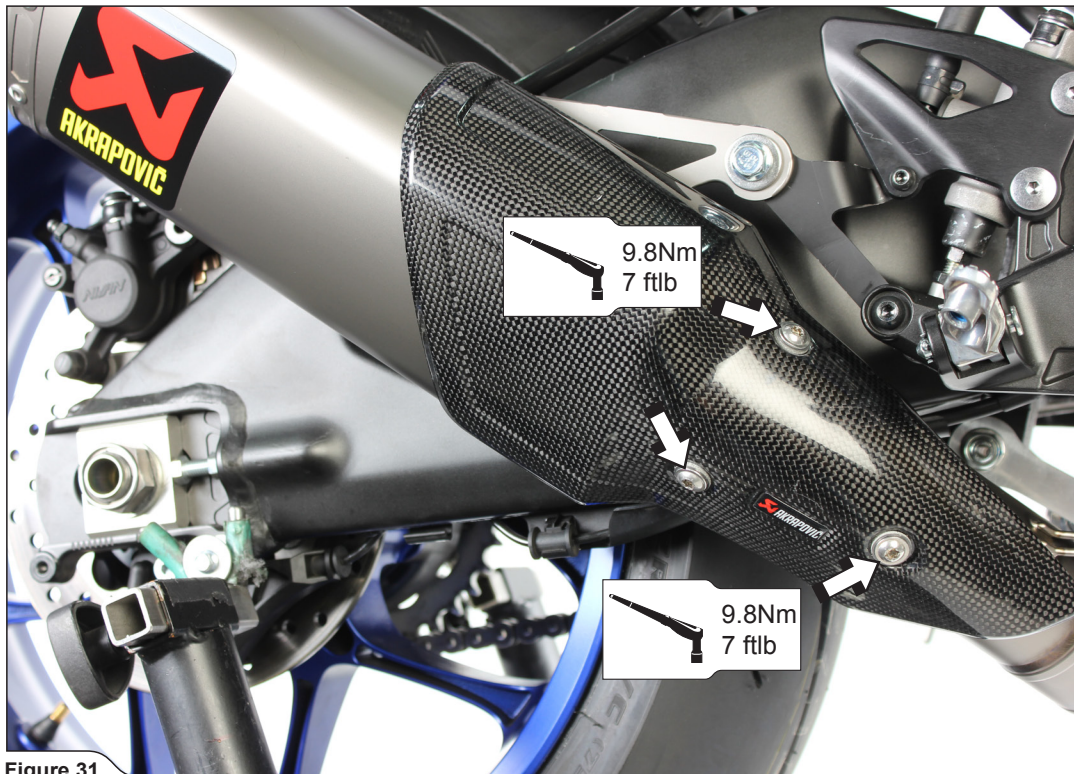


Figure 31

7. Assemble the cowlings in the reverse order from the order in which they were removed.

✂ **INSTALLATION TIP:** check vehicle manufacturer manual for tightening torques!

! **CAUTION:** be careful not to damage any part of the motorcycle during this process!

Final installation:

Clean grease spots:

- a. Muffler – titanium outer sleeve: use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40 or equivalent).
- b. Muffler – carbon-fiber outer sleeve: use a soft dry cloth.
- c. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
- d. Stainless steel pipes: use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth.
- e. Chrome plated parts: use a soft dry cloth.
- f. Titanium pipes: 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: 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: after running engine for 30 minutes, retighten the bolts of the Akrapovic carbon-fiber heat shield!

! 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.

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 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.”

