



Installation instructions

Akrapovič Exhaust System
Racing
for the
KAWASAKI ER-6f
KAWASAKI ER-6n



503415

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/>

Copyright

No part of the Akrapovič exhaust system or its documentation may be reproduced or distributed in any form or by any means without the prior written authorization of the Akrapovič company.

© Akrapovič, d.d. All rights reserved.

Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



TIGHTENING TORQUE



INSTALLATION TIP



CAUTION OR WARNING



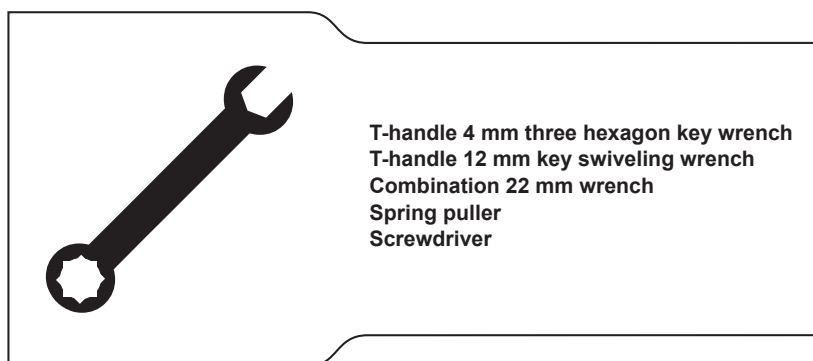
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of reach of children.**



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.**



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 STOCK EXHAUST SYSTEM:

1. Put the motorcycle on a side stand, we recommend a racing stand. Make sure, that surface is solid and flat.
2. **For ER-6f only:** unscrew marked cowling bolts and remove the marked plastic fasteners (Figure 1, 2, 3).



Figure 1

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



Figure 2



Figure 3

3. **For ER-6f only:** loosen marked bolts on the left side of the motorcycle for easier right side cowling removing (Figure 4).



Figure 4

4. **For ER-6f only:** disconnect marked electrical connector and remove the right side of the cowling off the motorcycle (Figure 5).

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



Figure 5

5. Unscrew marked bolts and remove small plastic cover off the motorcycle (Figure 6).

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



Figure 6

6. Unscrew the lambda sensor (**Figure 7**).

! **WARNING:** make sure not to damage the lambda sensor's electrical lead during this procedure!



Figure 7

7. Unscrew marked flange nuts, exhaust brackets' bolts and remove stock exhaust off the motorcycle (**Figure 8, 9**).

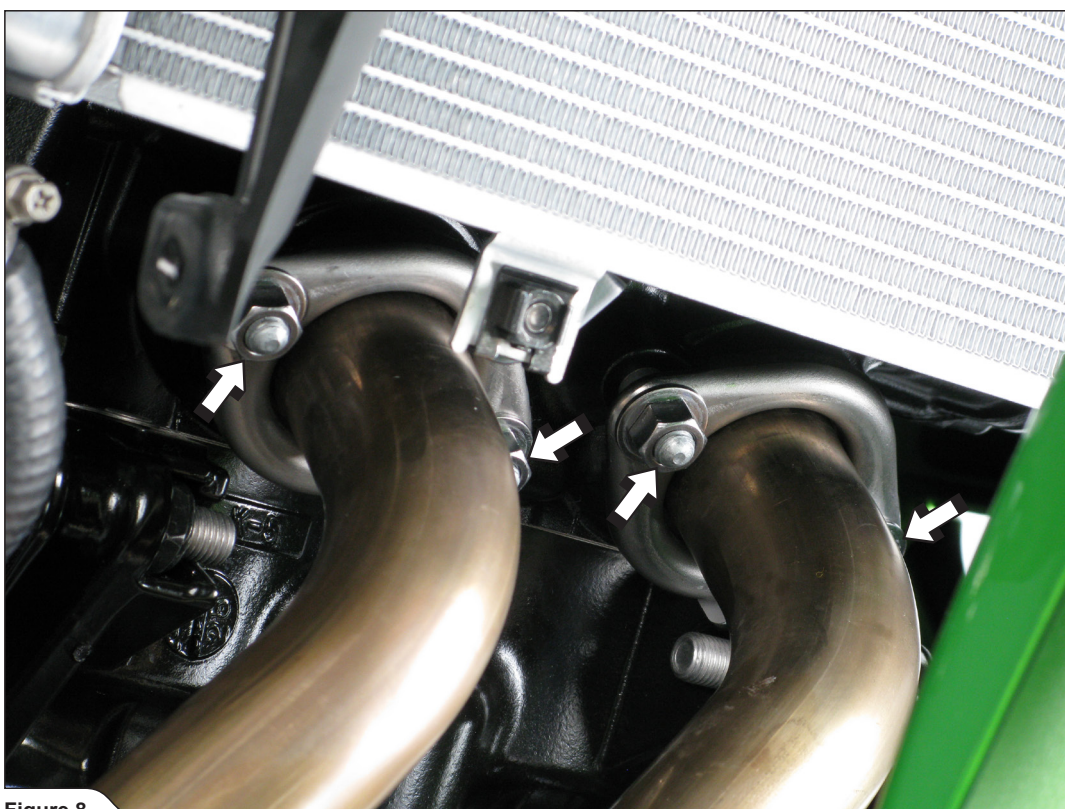


Figure 8



Figure 9

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Set up the sleeves together with the flanges and springs, as shown (Figure 10).

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



Figure 10

2. Attach the assembled sleeves, flanges and springs onto the exhaust ports, using Akrapovič nuts (Figure 11).

! **WARNING:** hand tighten the nuts only!

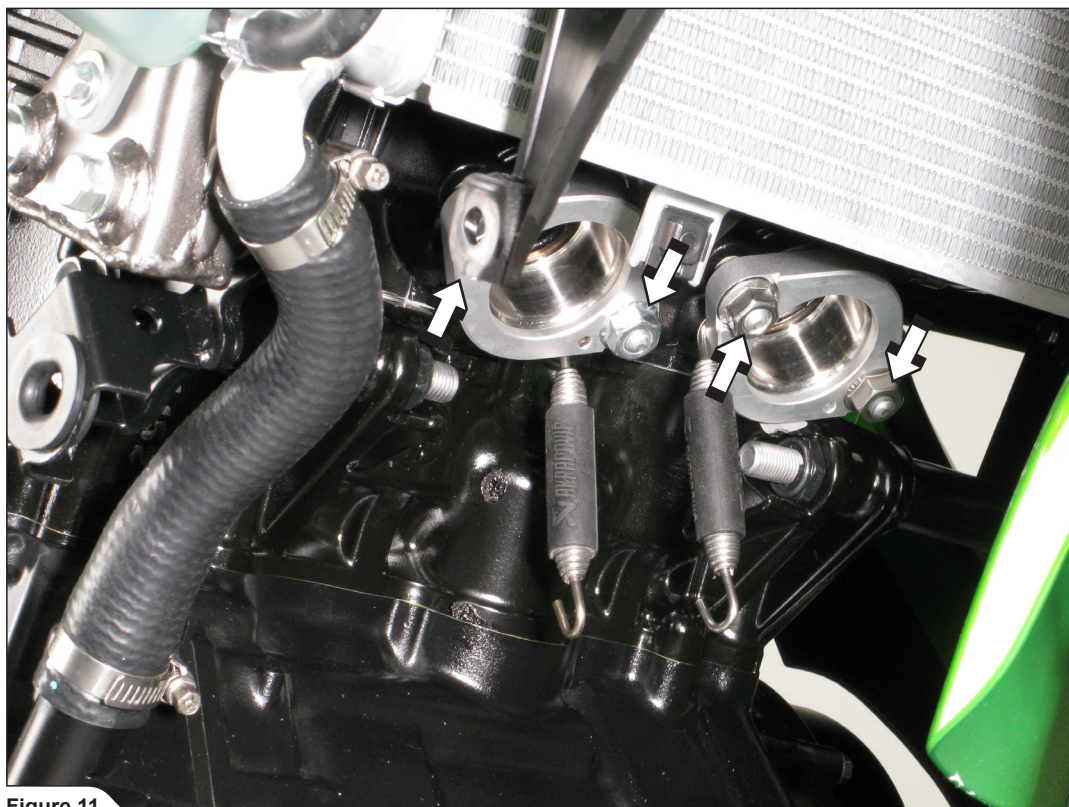


Figure 11

3. Insert the header pipes into the sleeves, attach springs and tighten the flanges to specified torque (Figure 12).

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

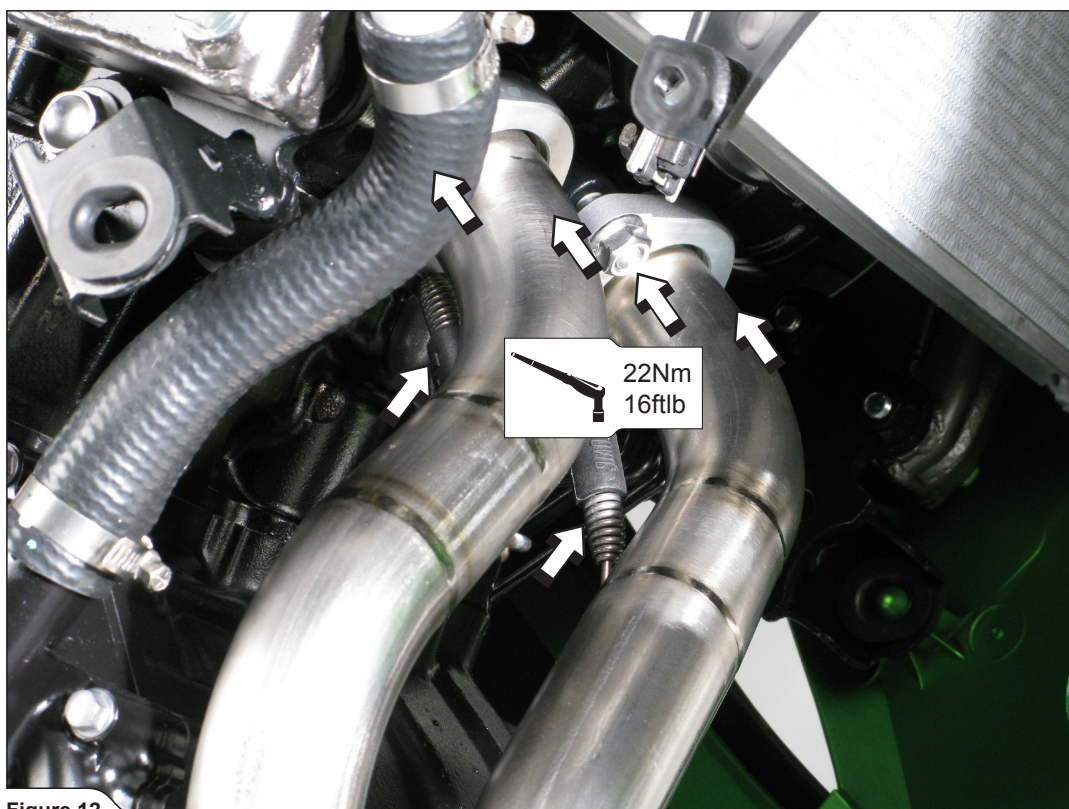


Figure 12

4. Correctly insert Akrapovič catalysts into collector outlet, as shown (Figure 13).
! WARNING: make sure that you put the shorter part of the catalyst into the collector!



Figure 13

5. Slide the Akrapovič collector onto the header pipes, attach springs and lambda sensor in to the collector (Figure 14, 15).
WARNING: make sure not to scratch or damage any part of the motorcycle during this procedure!
! WARNING: make sure, that springs pull the collector all the way onto the headers – use rubber mallet if necessary to tap the connections into place!



Figure 14

- ! **WARNING:** make sure not to damage the lambda sensor's electrical lead during this procedure!
- ! **WARNING:** use anti-seize copper paste only on the lambda sensor threads!

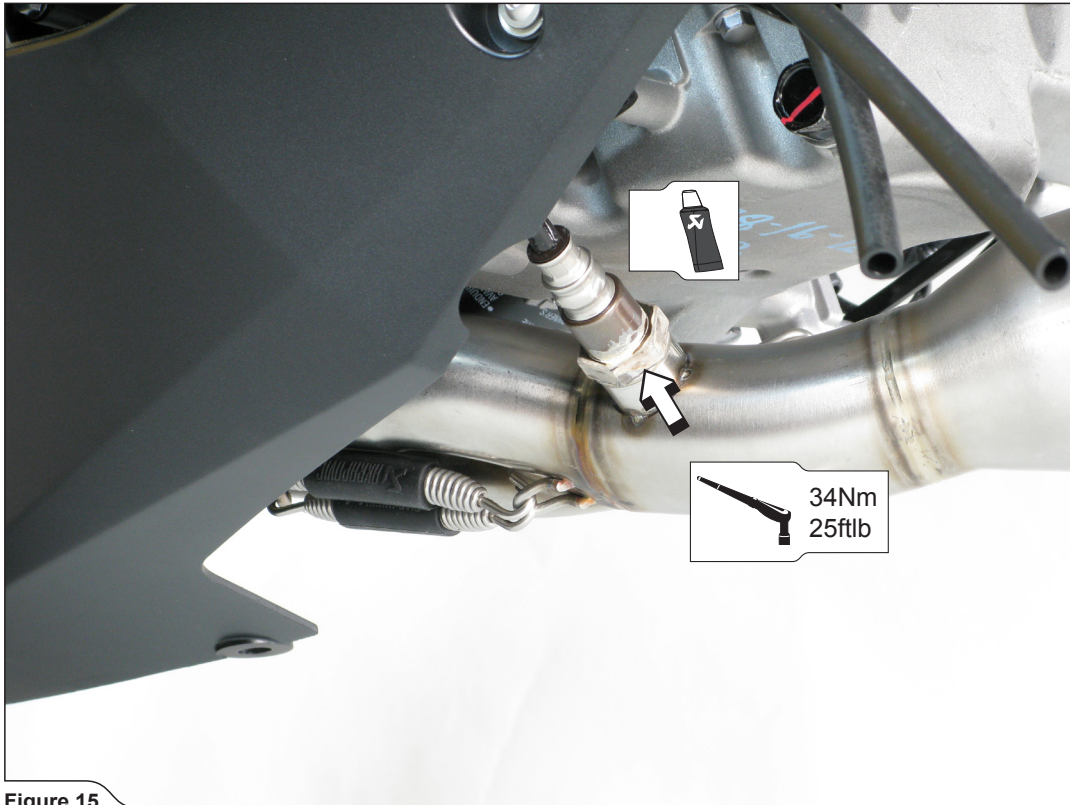


Figure 15

6. Correctly position the carbon fiber clamp and slide it onto the muffler (Figure 16, 17).
- ! **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 16



Figure 17

7. Position the muffer correctly, slide it onto the outlet side of the Akrapovič collector and attach the springs. Align the muffer in respect to the motorcycle and tighten the carbon fiber clamp using Akrapovič bolt, washer, distance washer and nut with specified torque (Figure 18, 19).

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

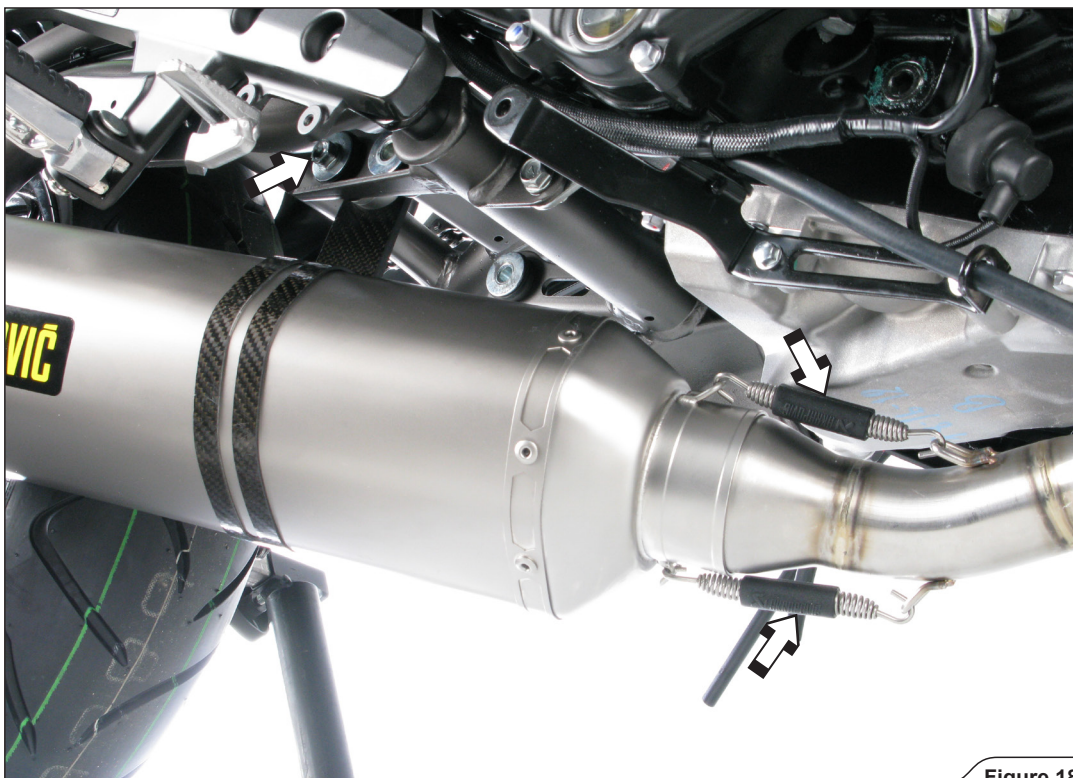


Figure 18

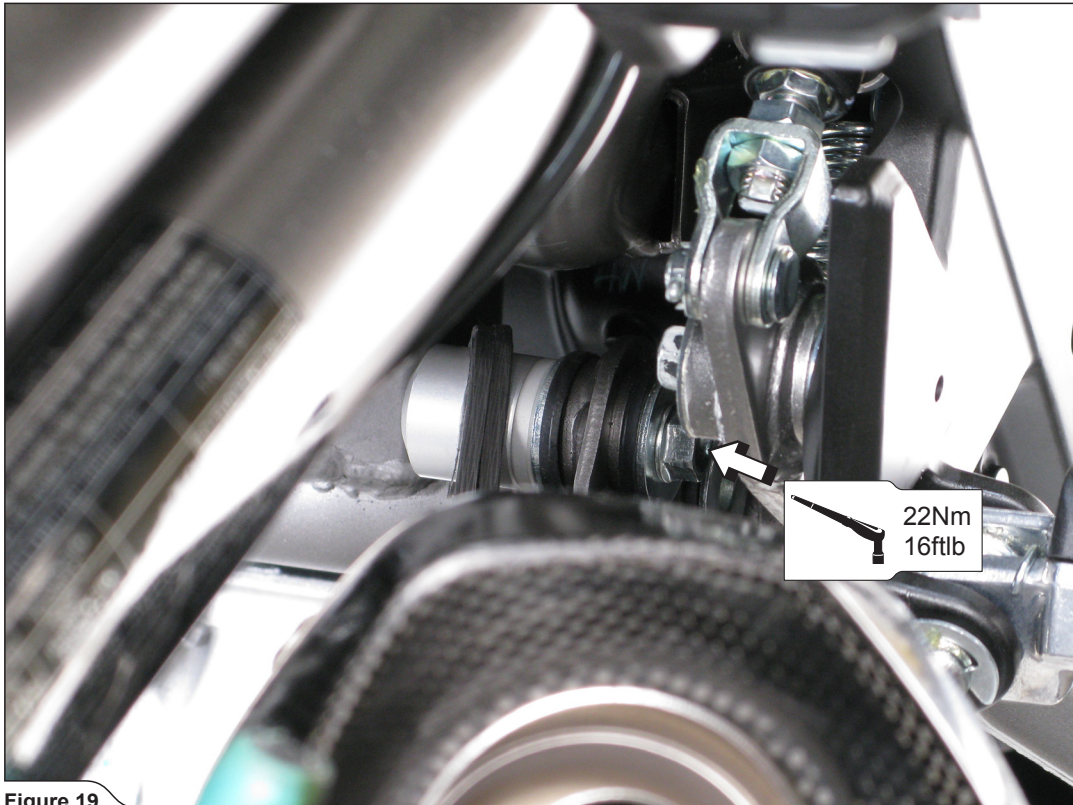


Figure 19

8. Reconnect the turn signal electrical connector and replace all cowlings in the reverse order from the order in which they were removed (Figure 20).

! **WARNING:** make sure, that you reconnect all electrical leads which were disconnected during installation!

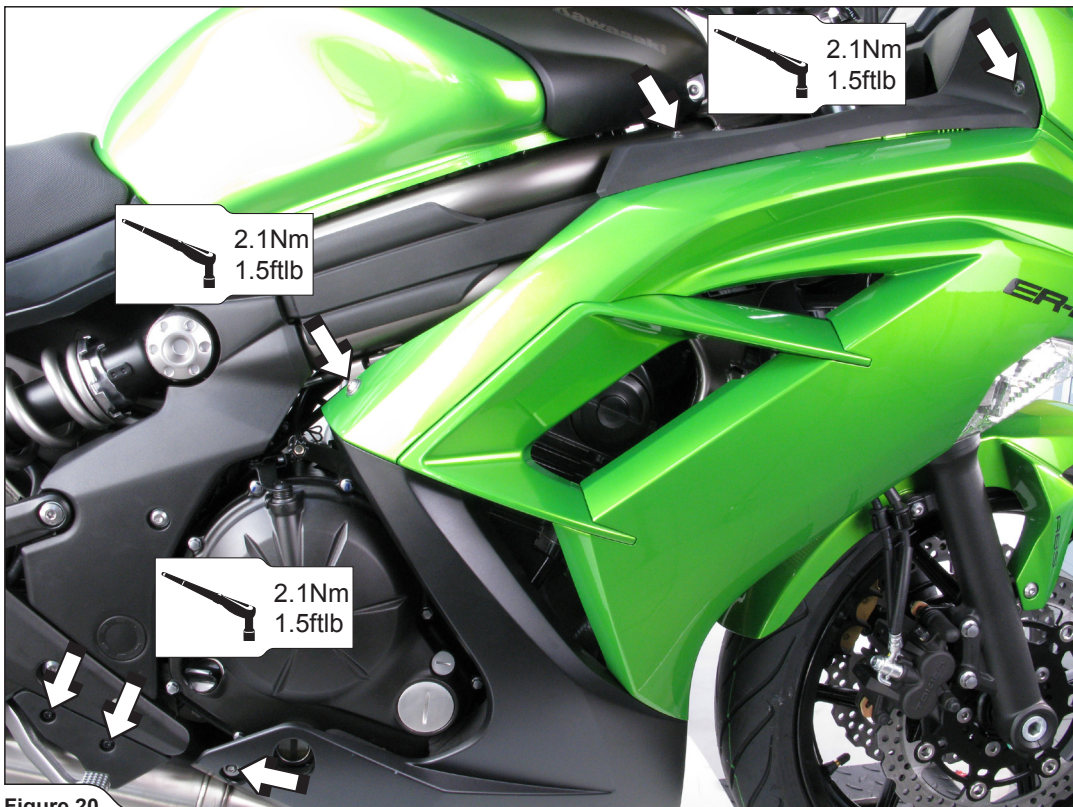


Figure 20

Final installation:

Clean grease spots:

- a. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
- b. Muffler – titanium outer sleeve: use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40 or equivalent).
- c. Stainless steel link pipes, collector and header pipes : use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth.

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: check vehicle manufacturer manual for tightening torques (for dismantled 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.

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.

