



Installation instructions

Akrapovič Exhaust System:

Evolution

for the

Ducati 1199 Panigale

Ducati 1199 Panigale S

Ducati 1199 Panigale R



503760

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

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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.**



Combination 17 mm wrench
T-handle 3 mm three hexagon wrench
T-handle 4 mm three hexagon wrench
T-handle 5 mm three hexagon wrench
T-handle 6 mm three hexagon wrench
Ball head 6 mm offset hexagon wrench
T-handle swivelling 5 mm hexagon wrench
T-handle swivelling 6 mm hexagon wrench
T-handle swivelling 10 mm wrench
T-handle 13 mm wrench
Socket 7 mm
Socket 10 mm
Spring puller
Cutting nippers



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 DUCATI 1199 PANIGALE S m.y. 2012. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER PANIGALE 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.



THE AKRAPOVIČ WARRANTY DOES NOT COVER DISCOLORATION OF ANY CHROME PRODUCTS.

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. Carefully unscrew the marked lambda sensor (Figure 1).

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

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



Figure 1

3. Unscrew the marked bolts and remove the passenger's foot rests (Figure 2).

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



Figure 2

4. Unscrew the marked bolts on both sides and remove the lower part of the cowling off the motorcycle (Figure 3, 4).
! CAUTION: be careful not to damage any part of the motorcycle during this process!

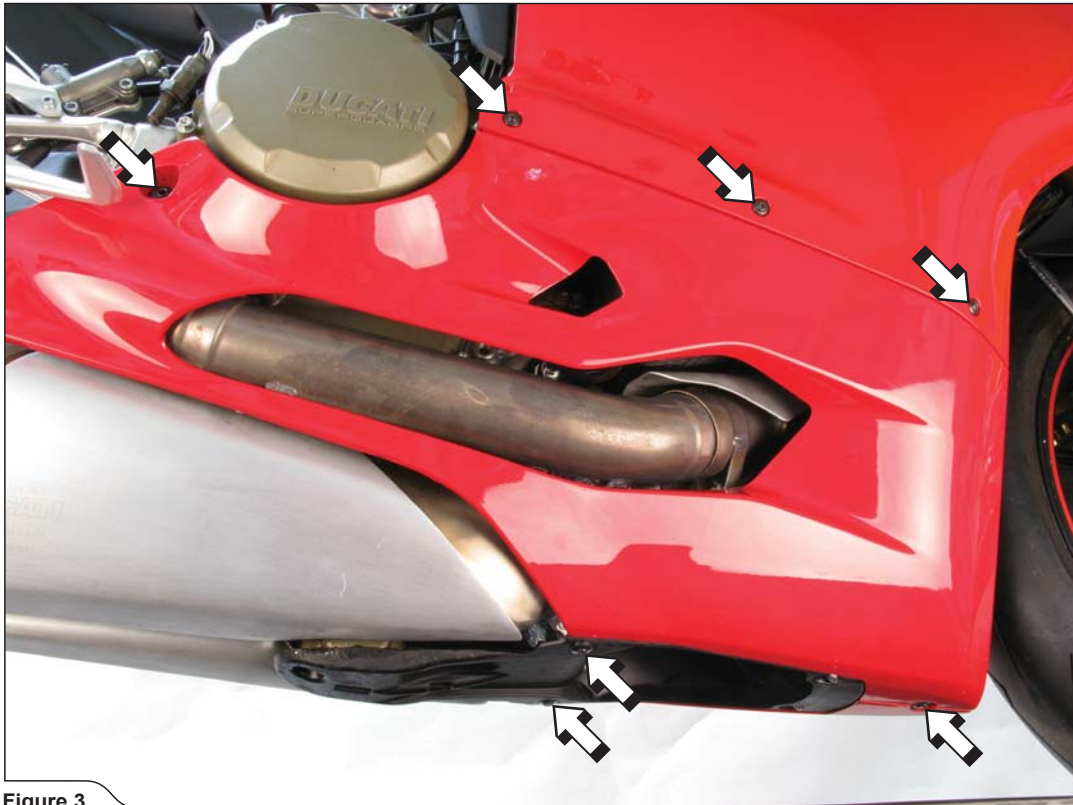


Figure 3



Figure 4

5. Unscrew the marked bolts and nuts on both sides. Carefully remove the muffler off the motorcycle (Figure 5, 6).

! **WARNING:** support the muffler during this process!

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



Figure 5

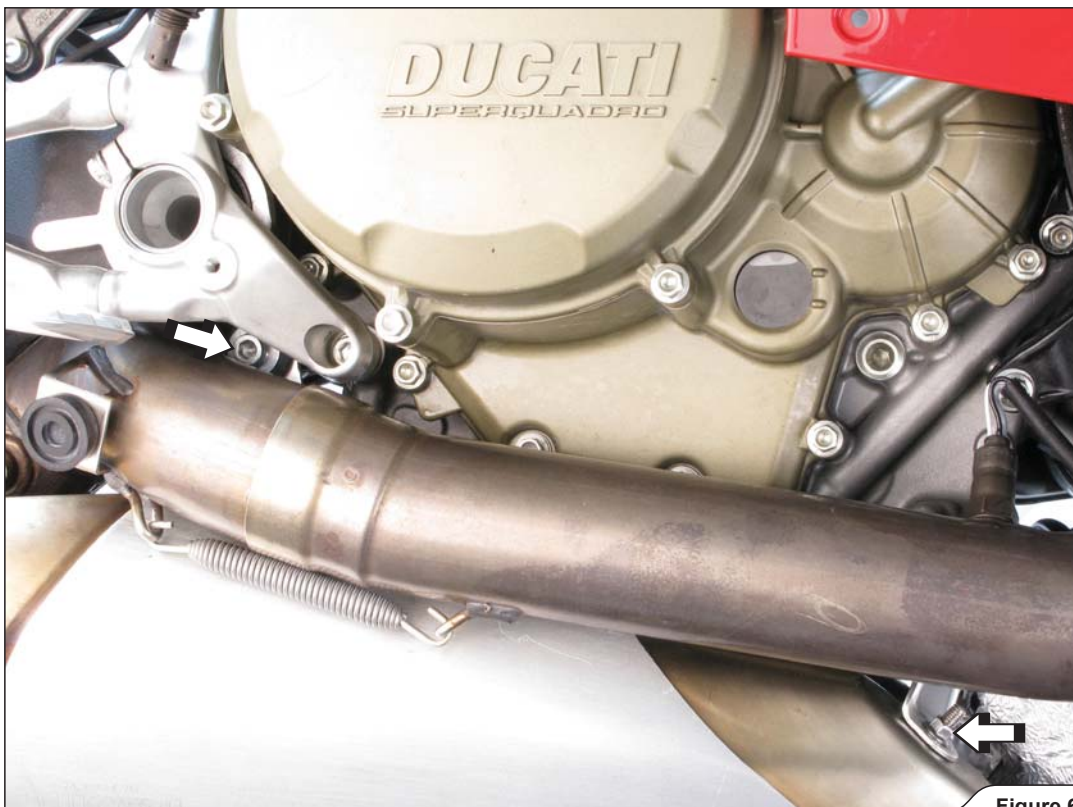


Figure 6

6. Undo the marked circlip and remove the cable off the valve (**Figure 7**).

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



Figure 7

7. Disconnect the marked connectors (**Figure 8**).

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

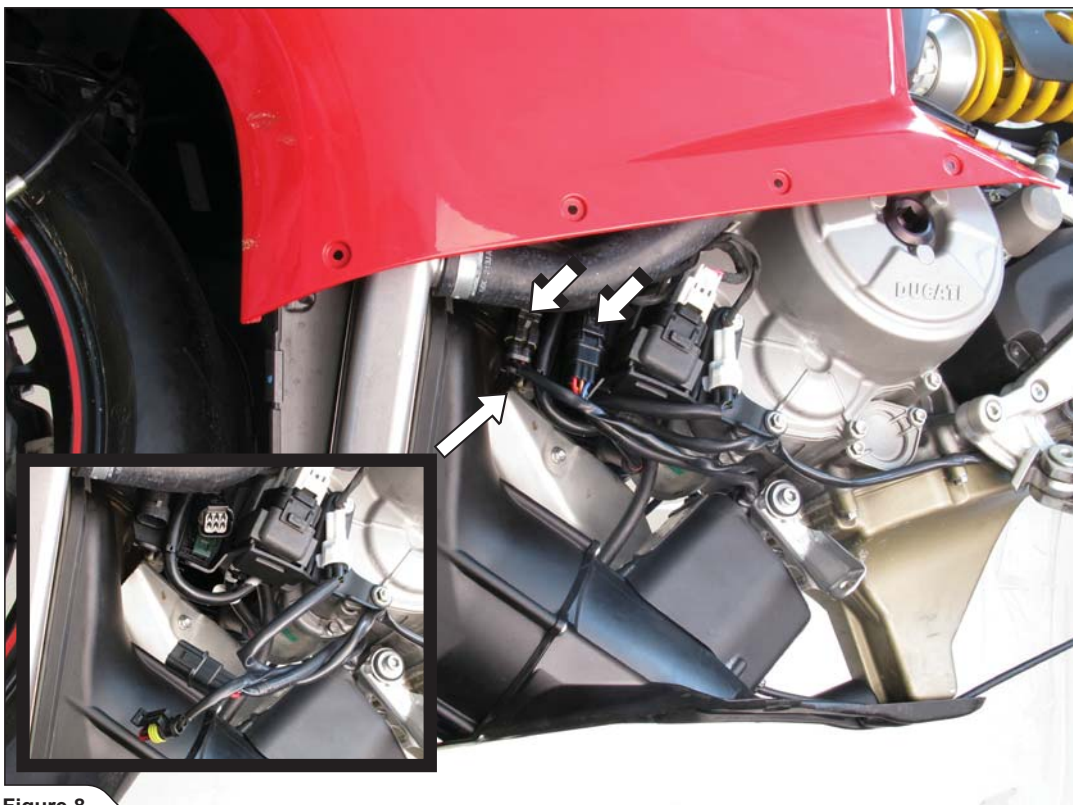


Figure 8

8. Unscrew the marked bolts and remove the exhaust valve's servo motor with cable off the motorcycle (Figure 9, 10).
- ! CAUTION:** be careful not to damage any part of the motorcycle during this process!



Figure 9



Figure 10

9. Reconnect the cooling fan's connector and secure the electrical leads as shown, using tie wrap from Akrapovič installation kit (**Figure 11**).

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

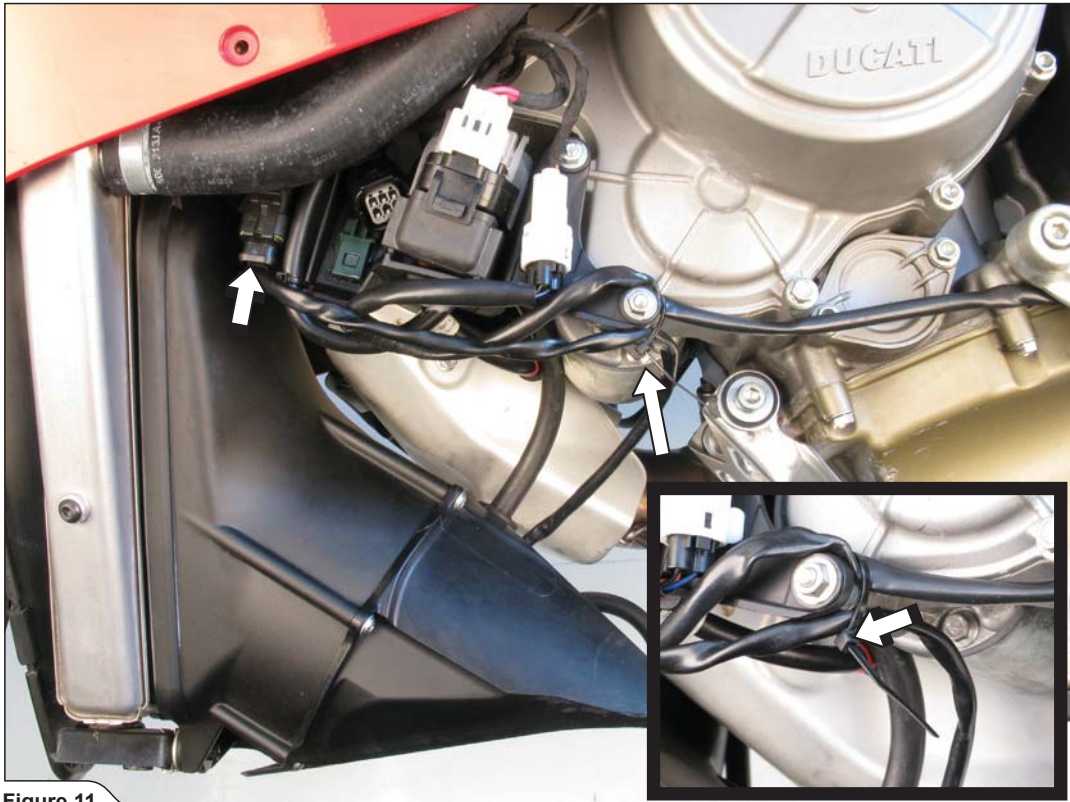


Figure 11

10. Unscrew the muffler's bracket and tighten the plastic protection back onto the oil sump (**Figure 12**).

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



Figure 12

11. Carefully unscrew the front lambda sensor (Figure 13).

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

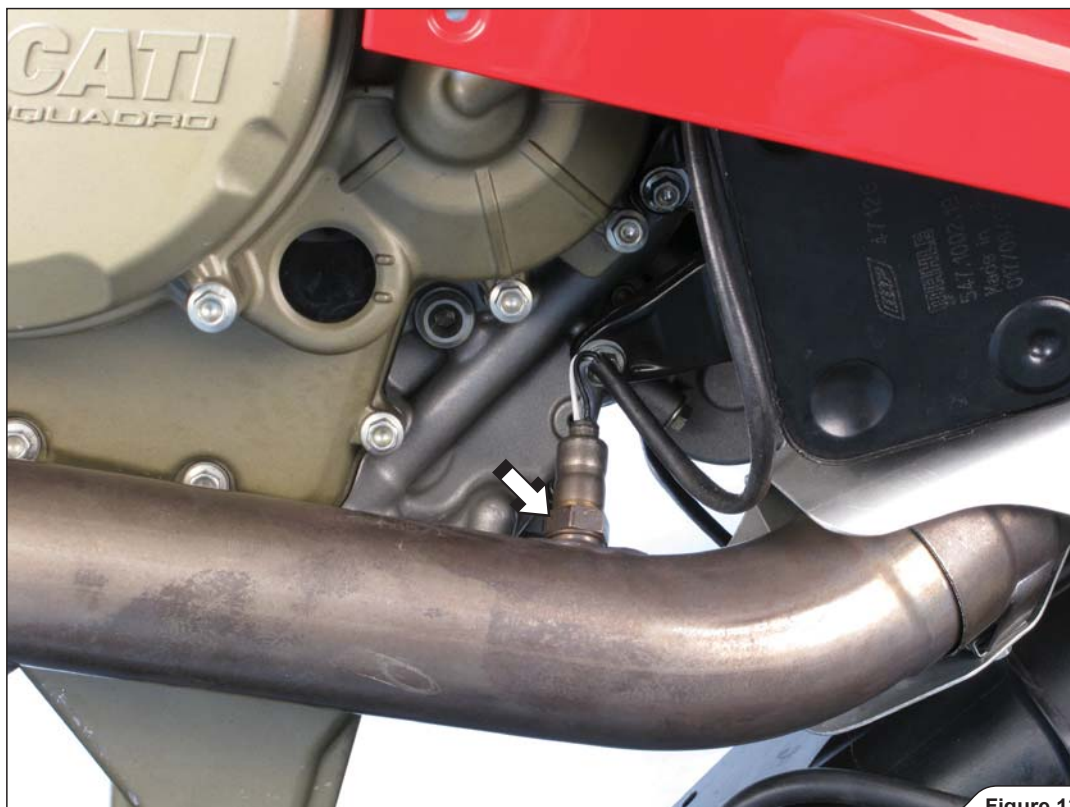


Figure 13

12. Undo the marked spring (Figure 14).

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

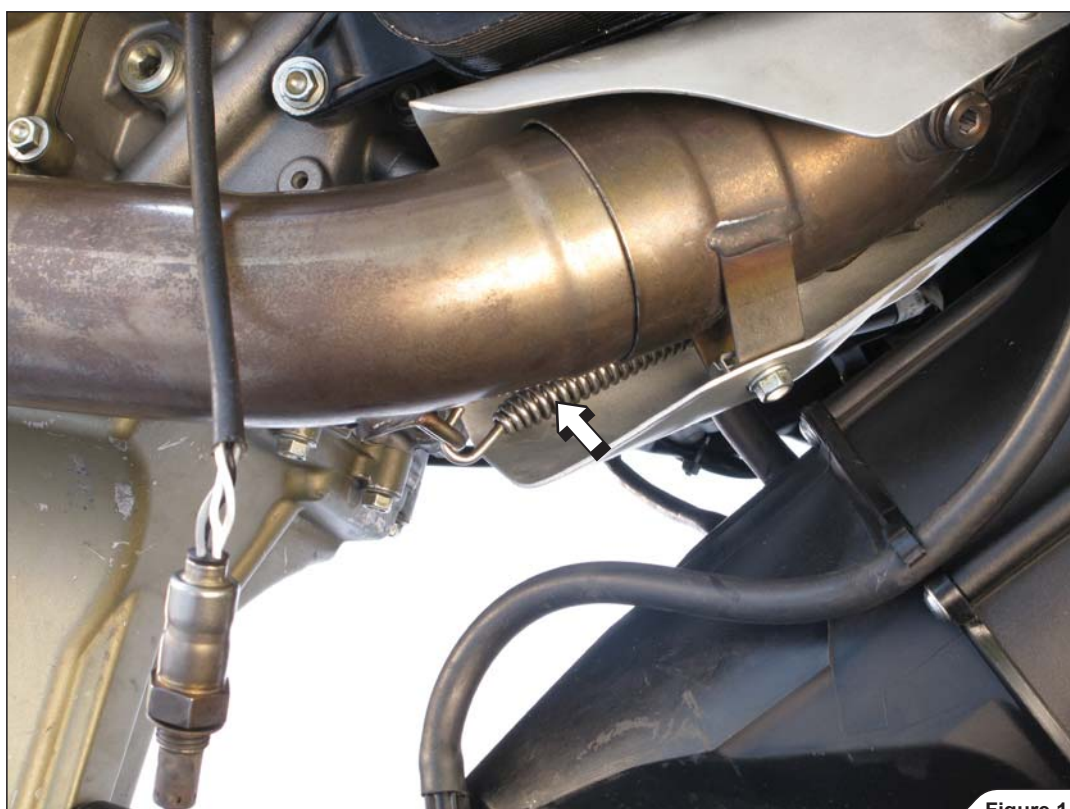


Figure 14

13. Undo the marked springs and carefully remove the collector with front link pipe off the motorcycle (Figure 15).

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

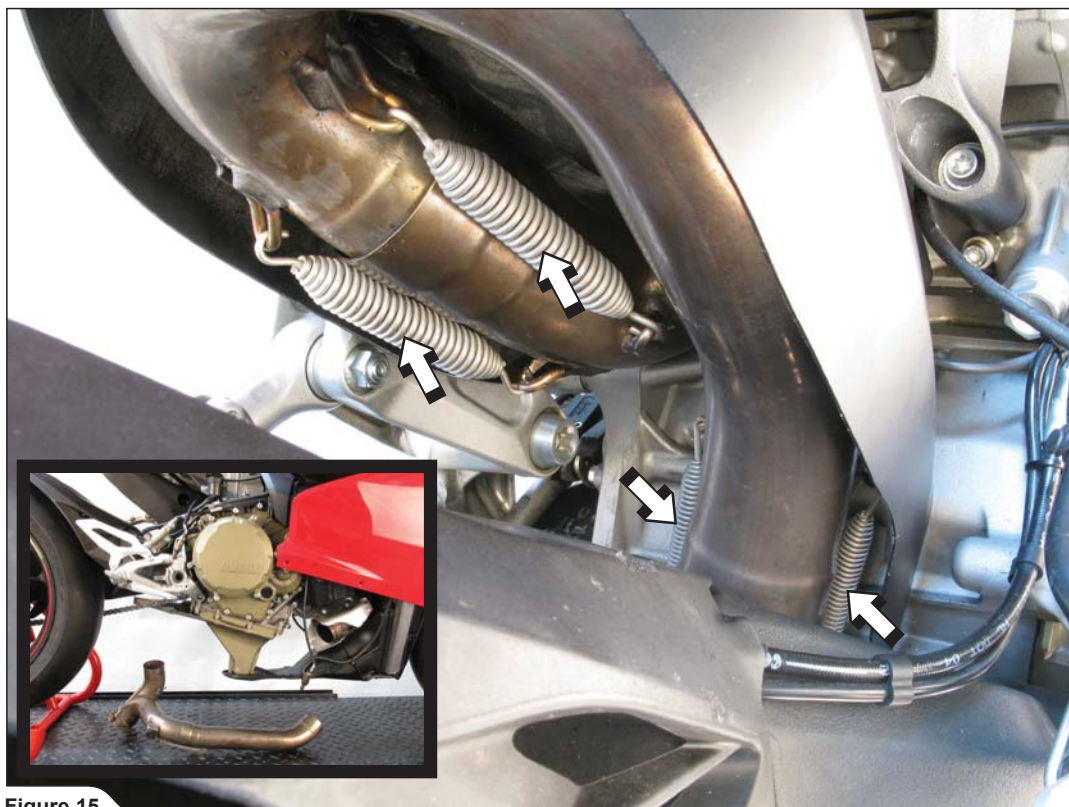


Figure 15

14. Partially remove the rear link pipe. Unscrew the heat shield and remove the rear link pipe off the motorcycle (Figure 16).

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



Figure 16

15. Unscrew the marked nuts and carefully remove both header pipes off the motorcycle (Figure 17, 18).

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

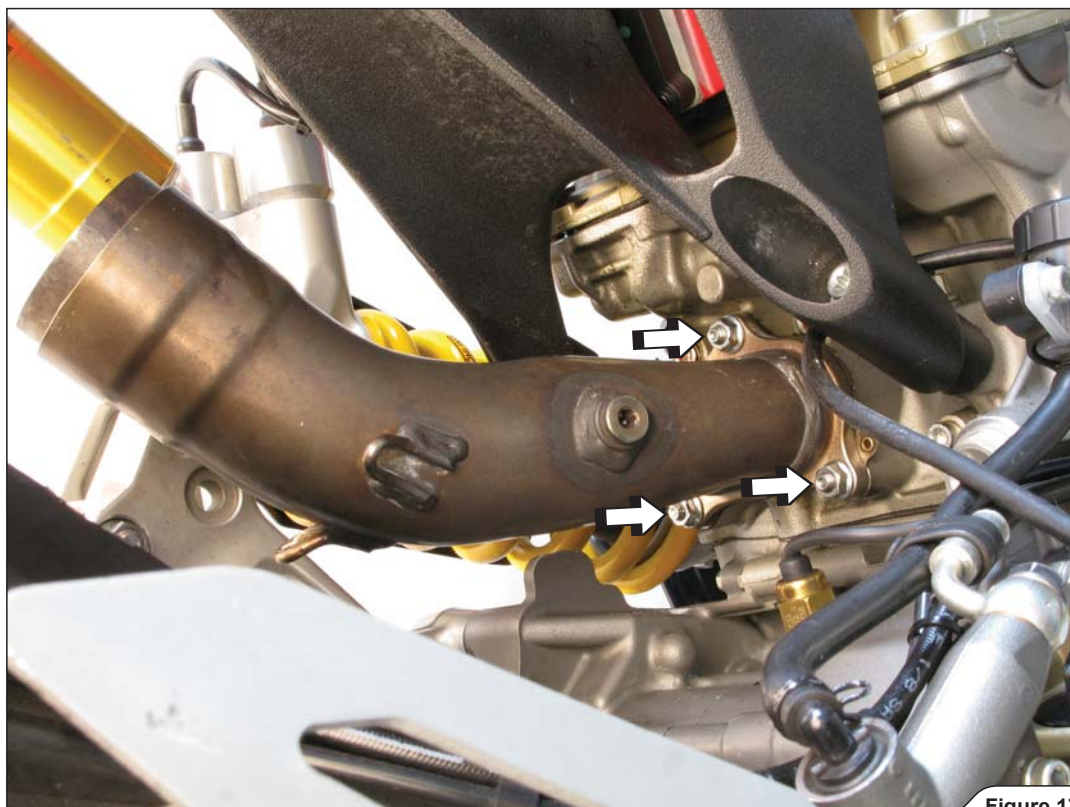


Figure 17

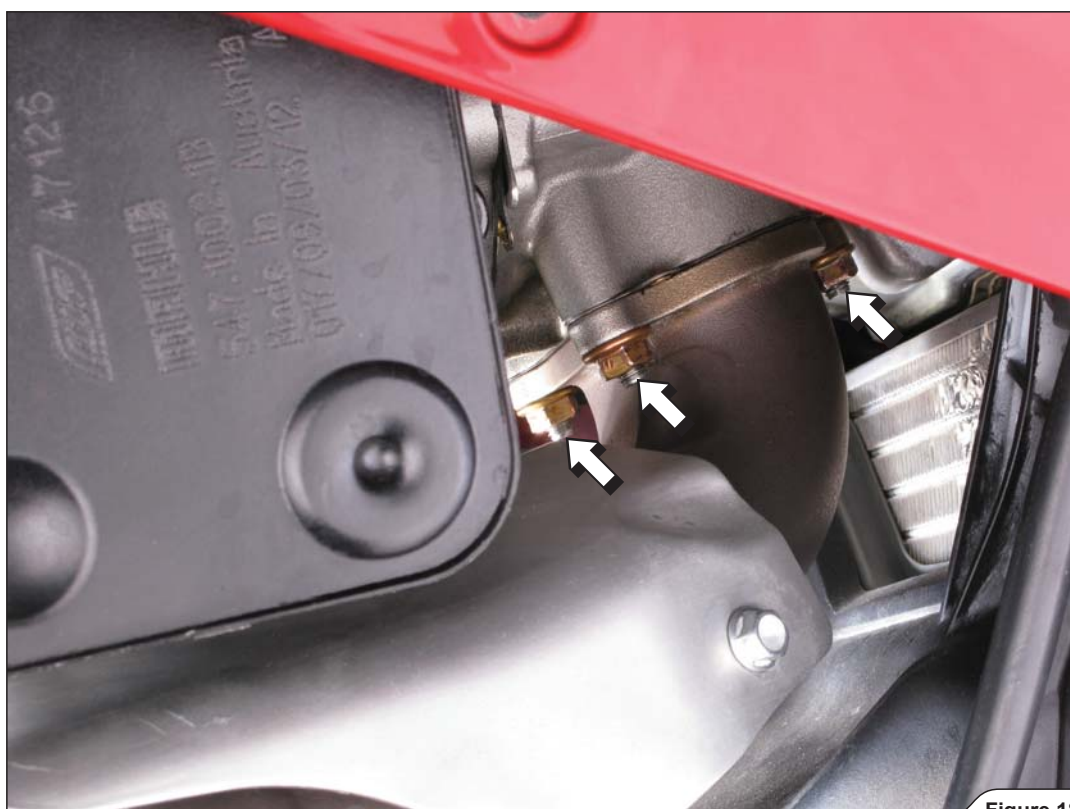


Figure 18

16. Unscrew the heat shields and remove the press-on nuts from front header (Figure 19).

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



Figure 19

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Assemble the stock heat shields onto the front header pipe, using stock press-on nuts and additional clamp and bolts from Akrapovič installation kit; attach the spring as shown (Figure 20, 21).

! **CAUTION:** tighten the heat shields' bolts first, then tighten the clamp!

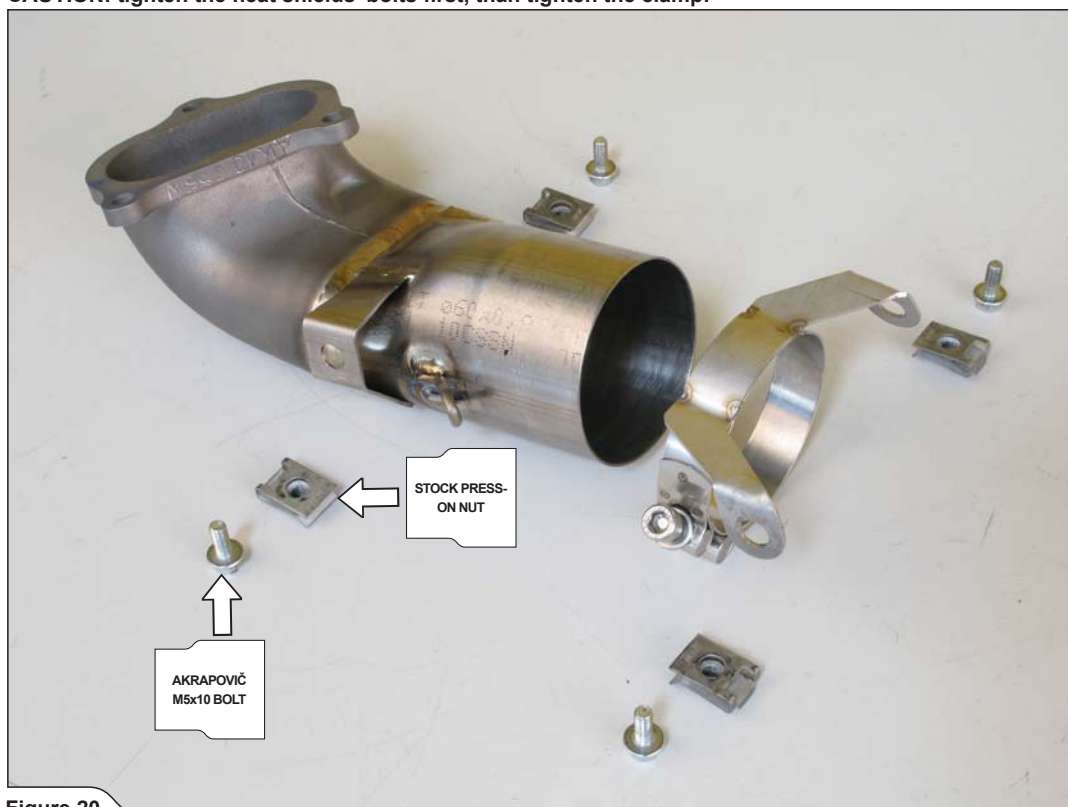


Figure 20

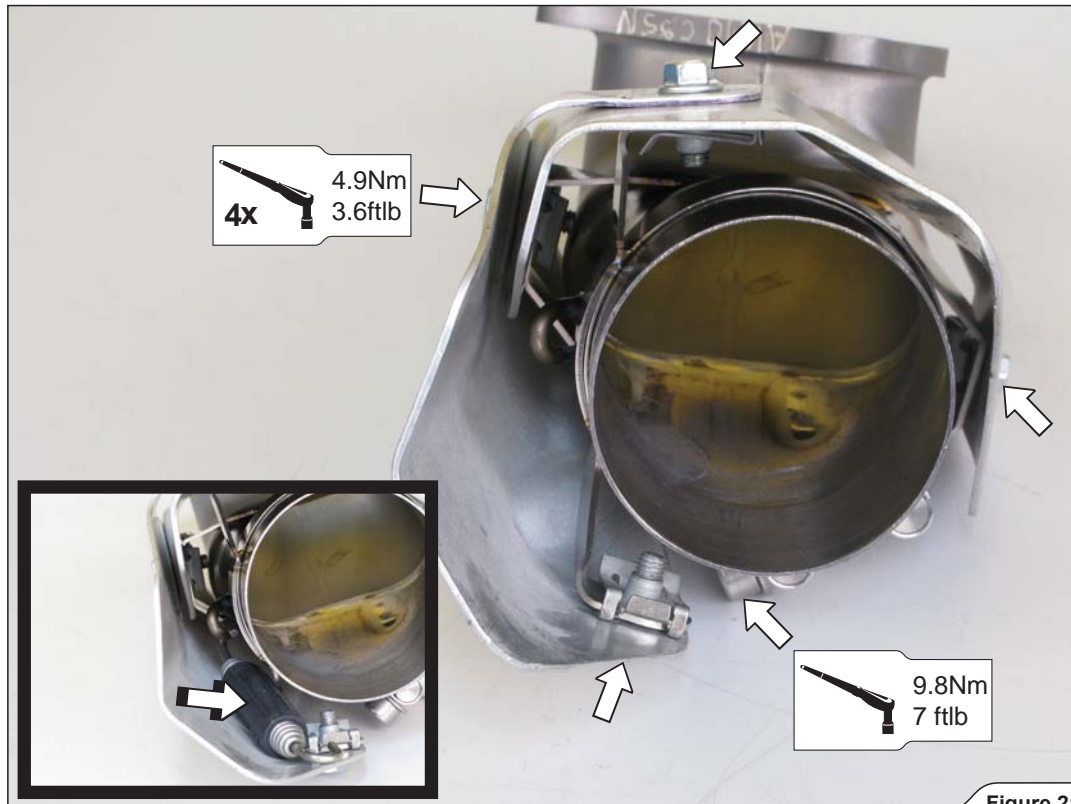


Figure 21

2. Hand tighten the front header onto the cylinder head, using stock nuts (Figure 22).

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

✂ **INSTALLATION TIP:** use new stock exhaust port gasket.

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



Figure 22

3. Tighten the rear header onto the cylinder head, using stock nuts (**Figure 23**).

✂ INSTALLATION TIP: use new stock exhaust port gasket.

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

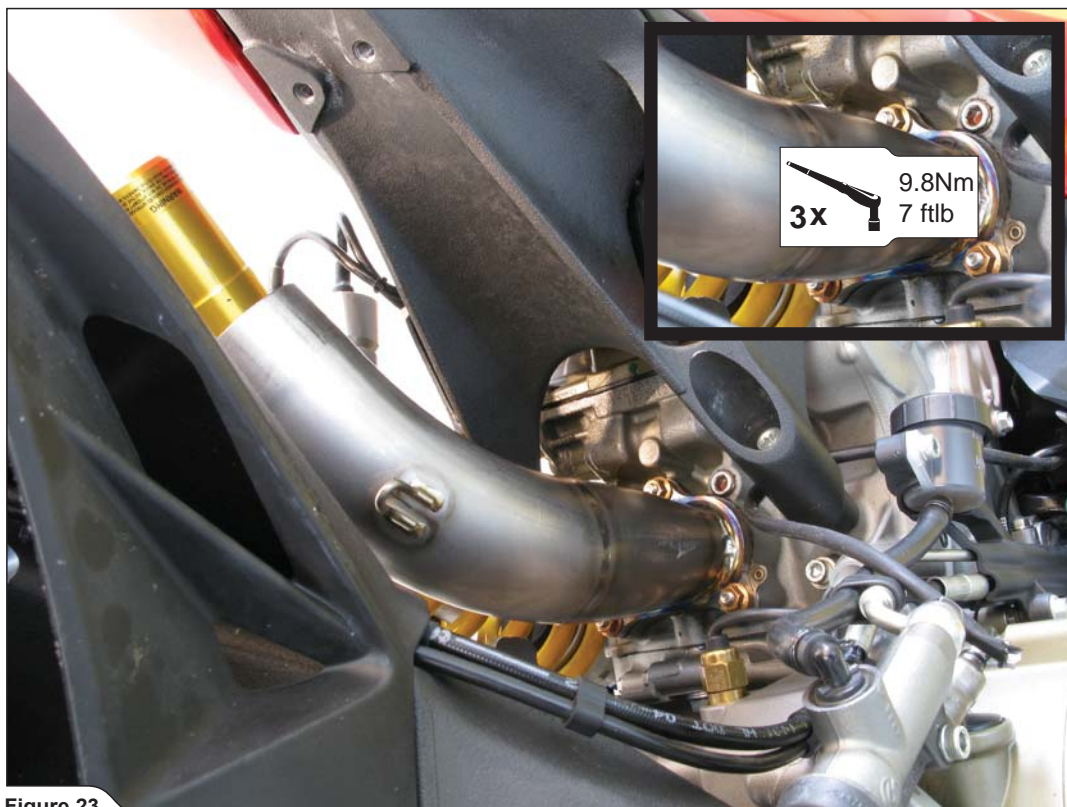


Figure 23

4. **For use of passengers foot rests only:** carefully cut/grind the impressed part of the carbon fiber heat shield, as shown (**Figure 24**).

✂ INSTALLATION TIP: use pneumatic die grinder or equivalent for cutting/grinding.

! CAUTION: be careful not to injure yourself or damage the heat shield during this process! Use personal protection equipment!

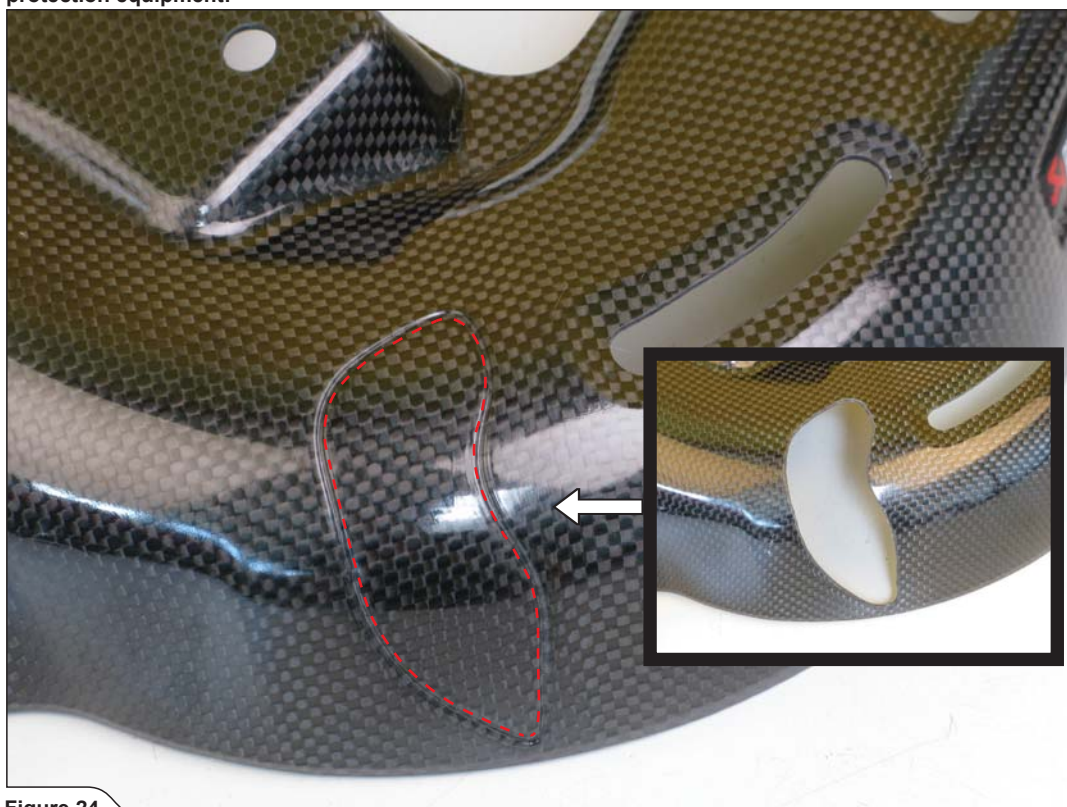


Figure 24

5. **For use of passengers foot rests only:** install the heat shield and passengers foot rests onto the sub-frame using spacers, bolts and washers from Akrapovič installation kit (**Figure 25, 26, 27**).

! WARNING: use Akrapovič bolt sealant on the marked bolts' threads!

! CAUTION: make sure to correctly assemble the spacers (**Figure 25**)!

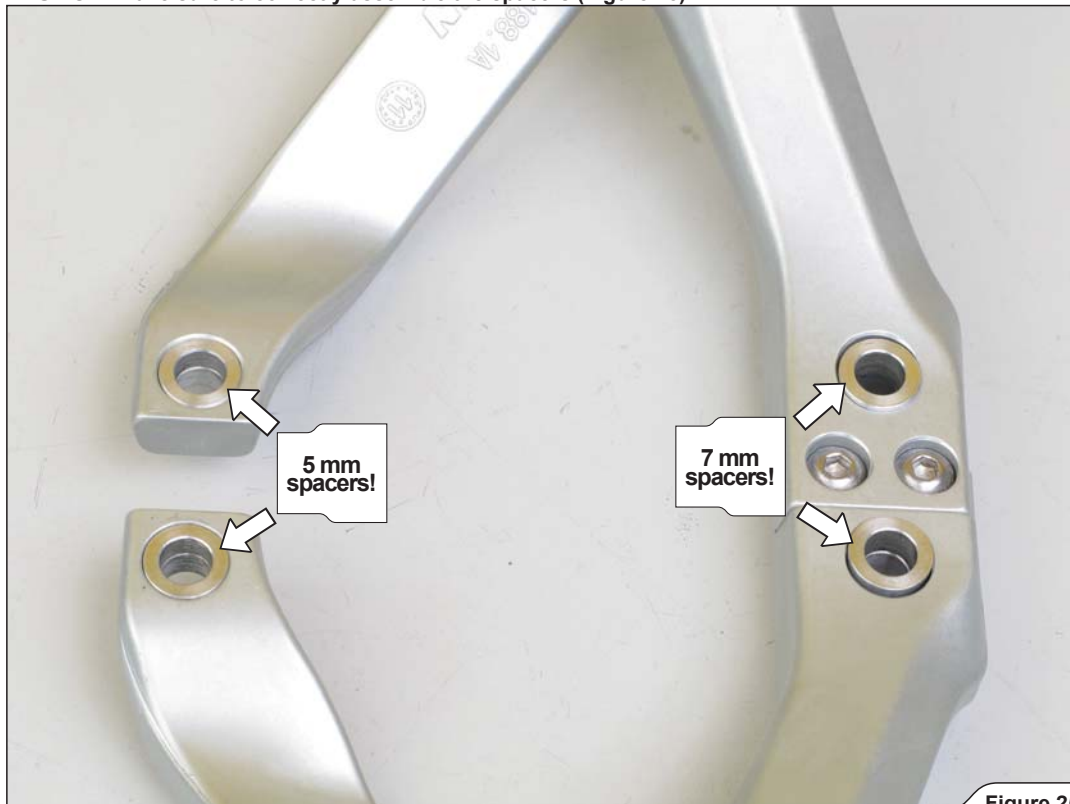


Figure 25

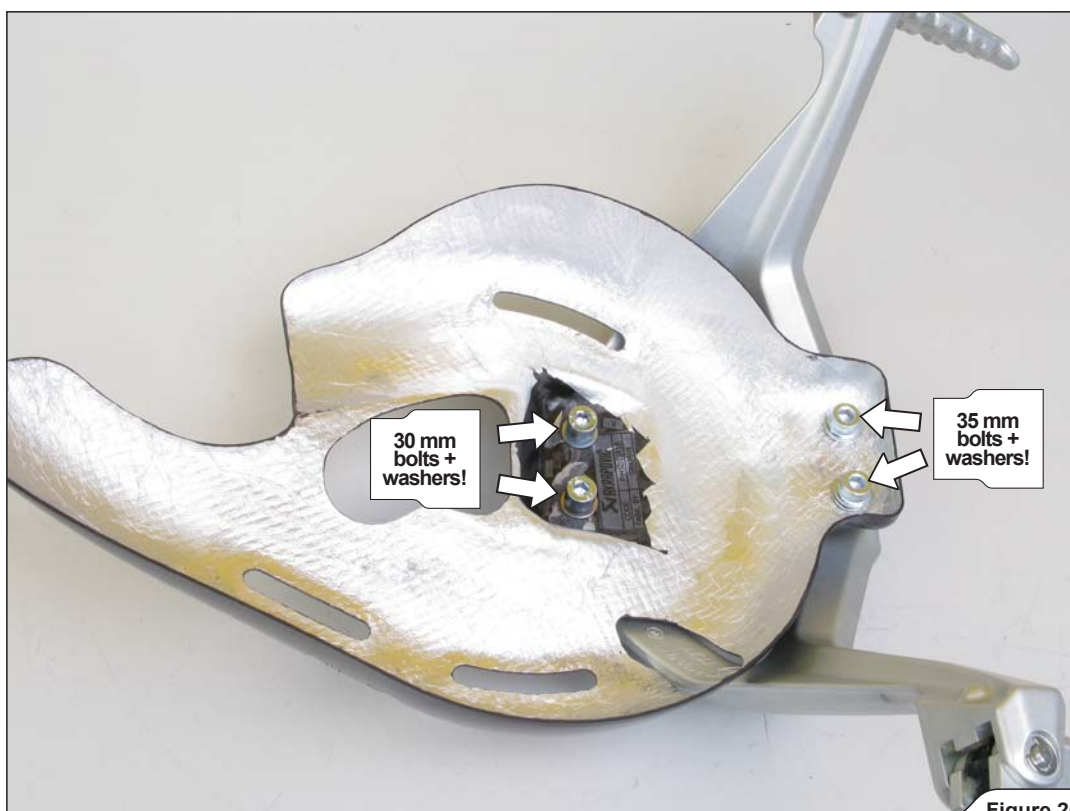


Figure 26

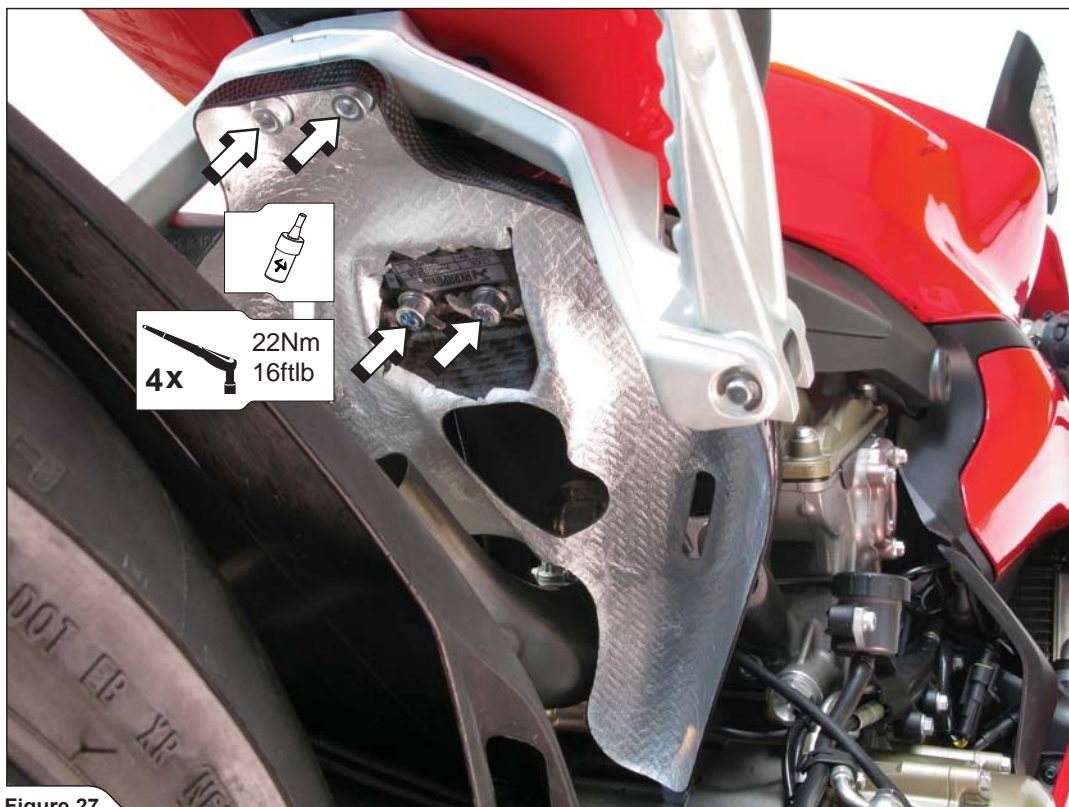


Figure 27

6. **For use without passengers foot rests only:** install the heat shield onto the sub-frame using spacers, bolts and washers from Akrapovič installation kit (**Figure 28, 29, 30**).

! **WARNING:** use Akrapovič bolt sealant on the marked bolts' threads!

! **CAUTION:** make sure to correctly assemble the spacers (**Figure 29**)!

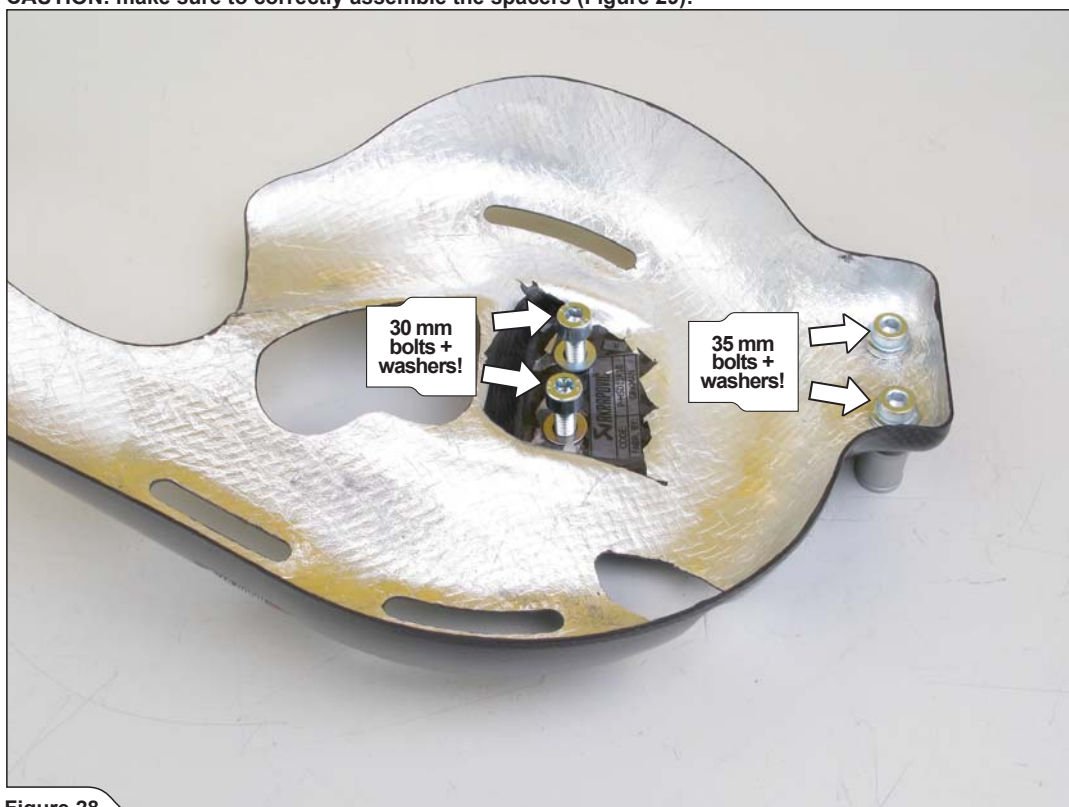


Figure 28

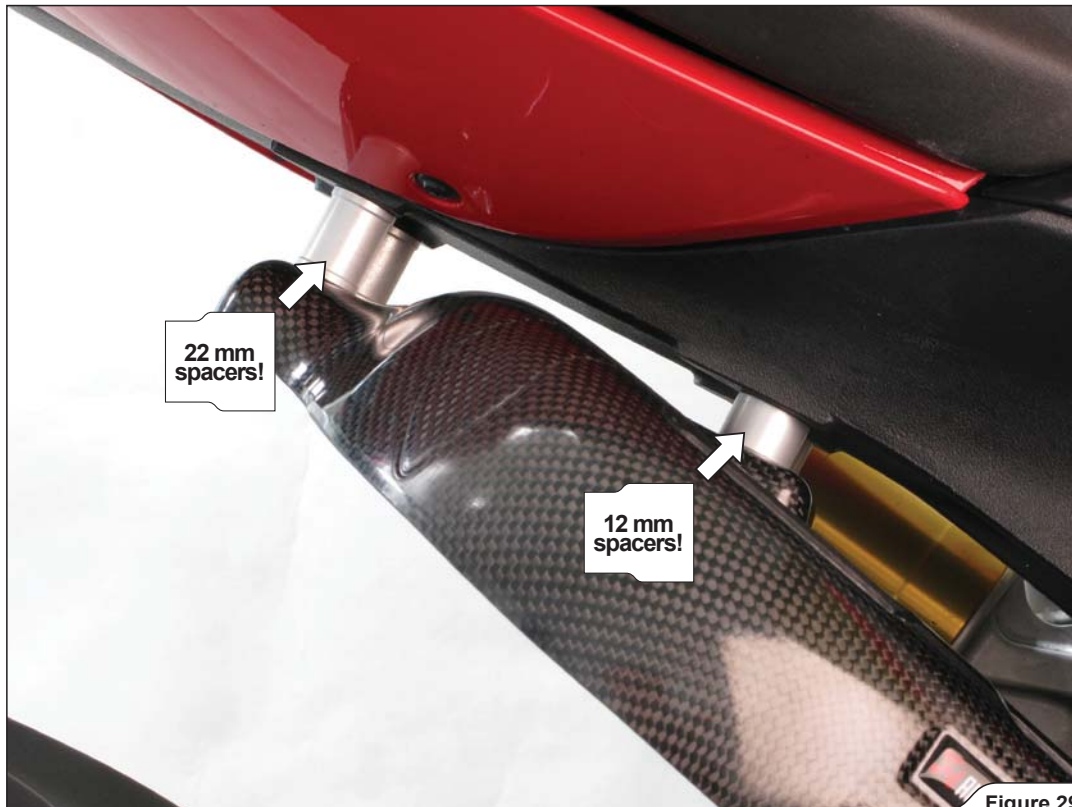


Figure 29



Figure 30

7. Slide the link pipes onto both headers, attach the springs and tighten the lambda sensors (**Figure 31, 32**).

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

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

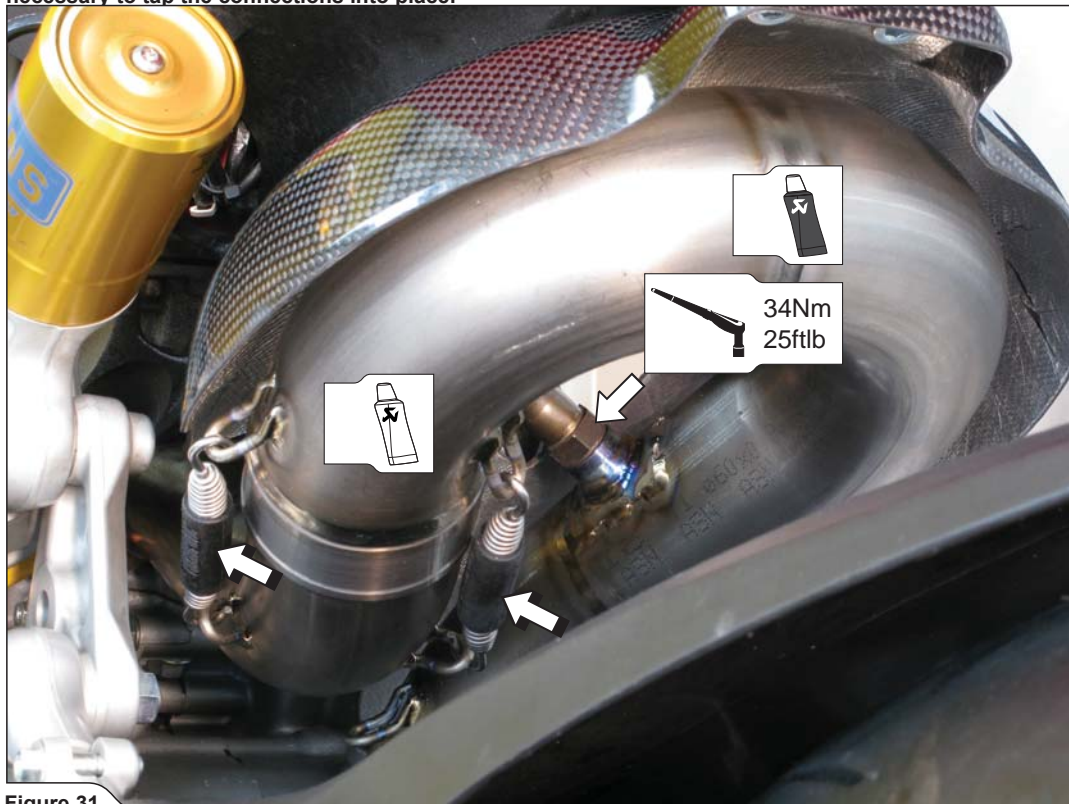


Figure 31

! WARNING: make sure not to damage the lambda sensors' electrical leads during this process!

! WARNING: use anti-seize copper paste only on the lambda sensor threads!

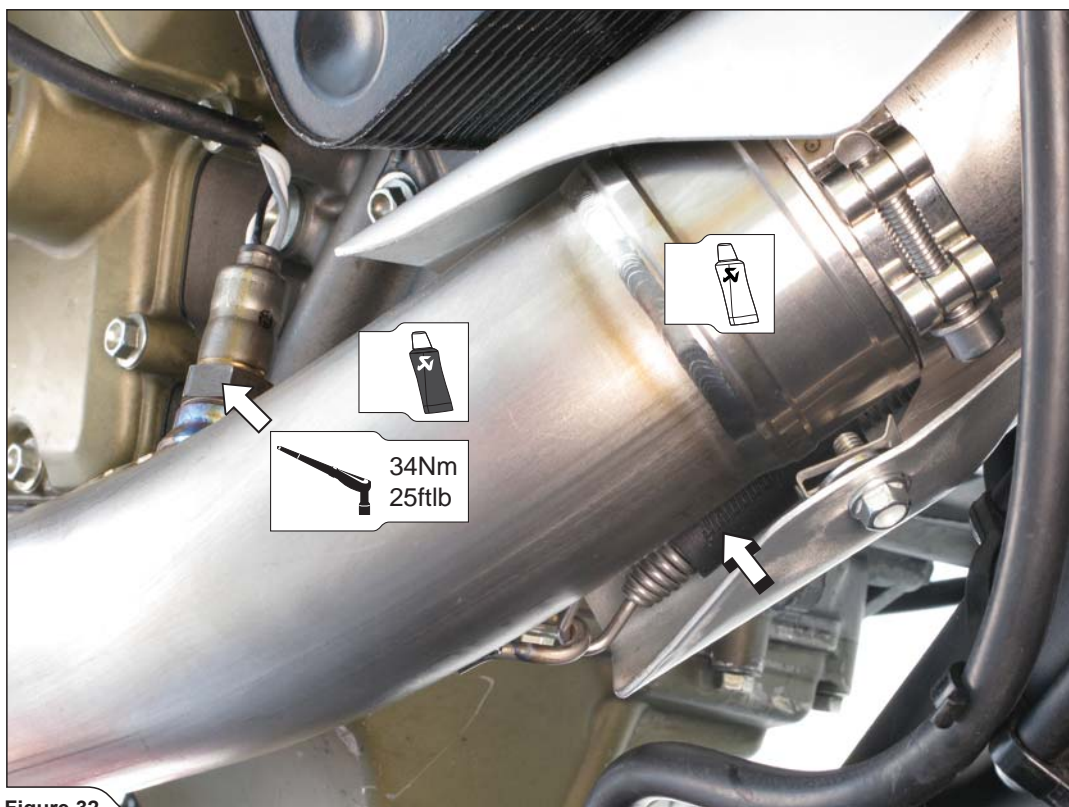


Figure 32

8. Slide the collector onto both link pipes and attach the springs (**Figure 33**).

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

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

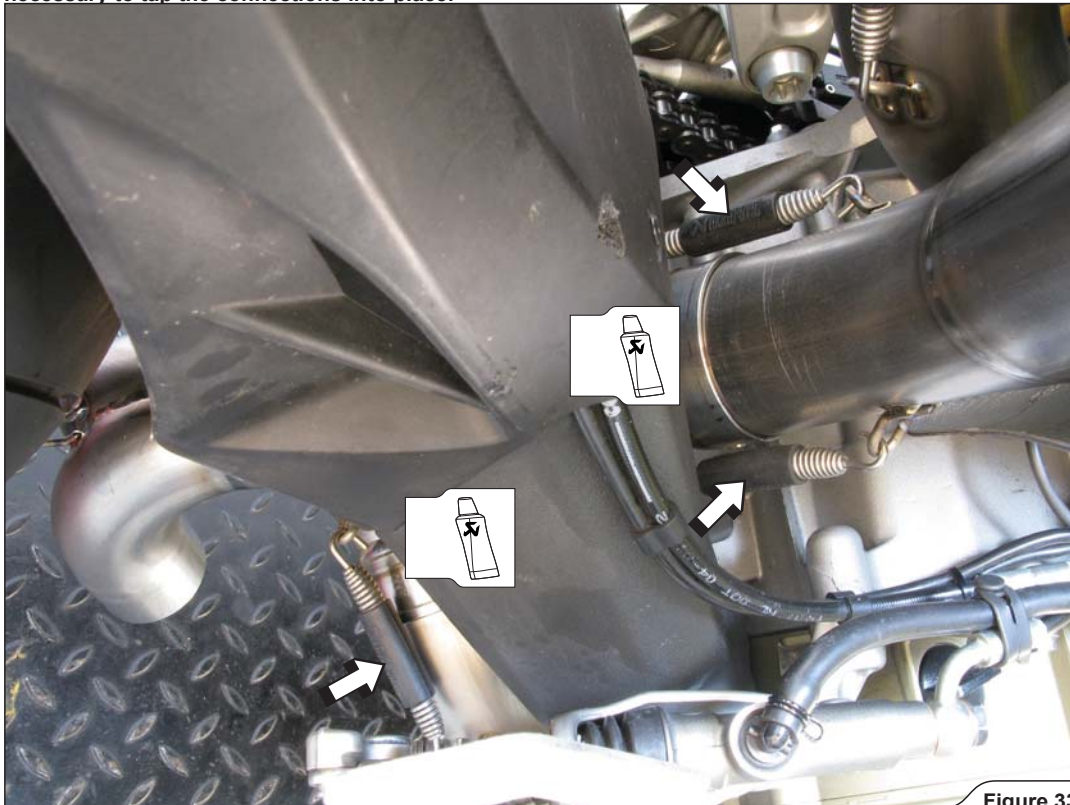


Figure 33

9. Correctly assemble the aluminium bushes and bolts onto the rubber muffler's brackets (**Figure 34, 35**).

! CAUTION: be careful not to damage the mufflers during this process!



Figure 34

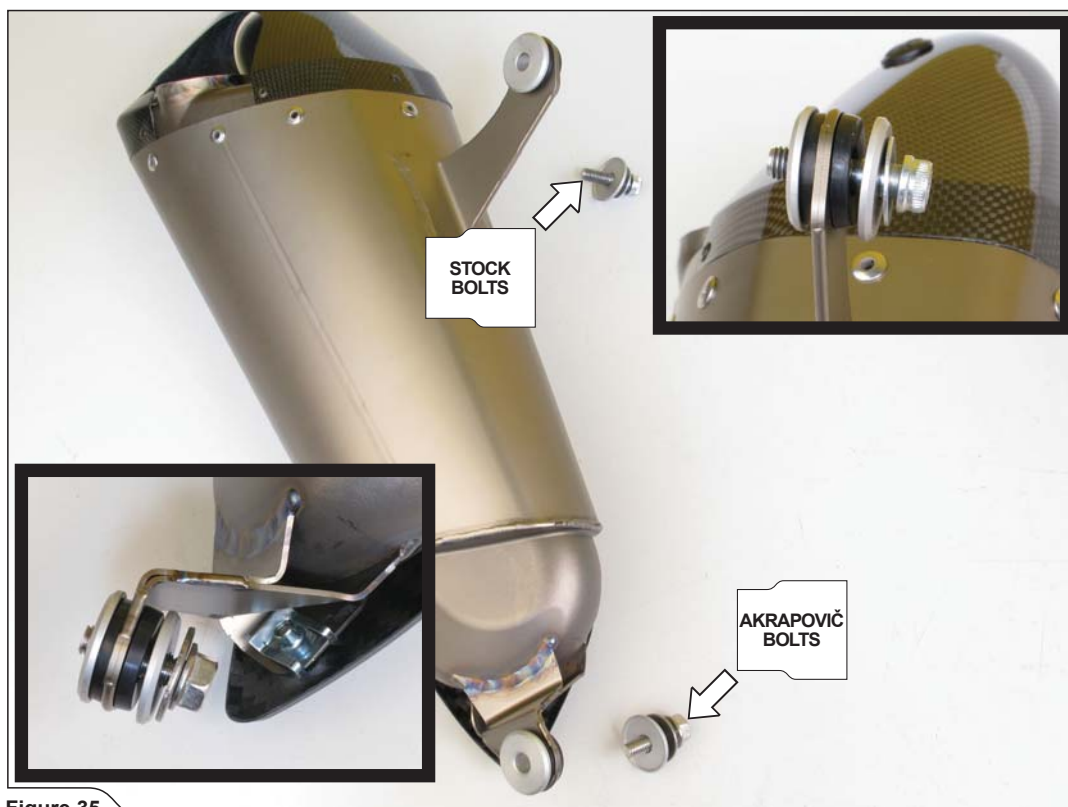


Figure 35

10. Hand tighten the front mufflers' bracket onto the oil sump, using stock bolts and Akrapovič washers (Figure 36).

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

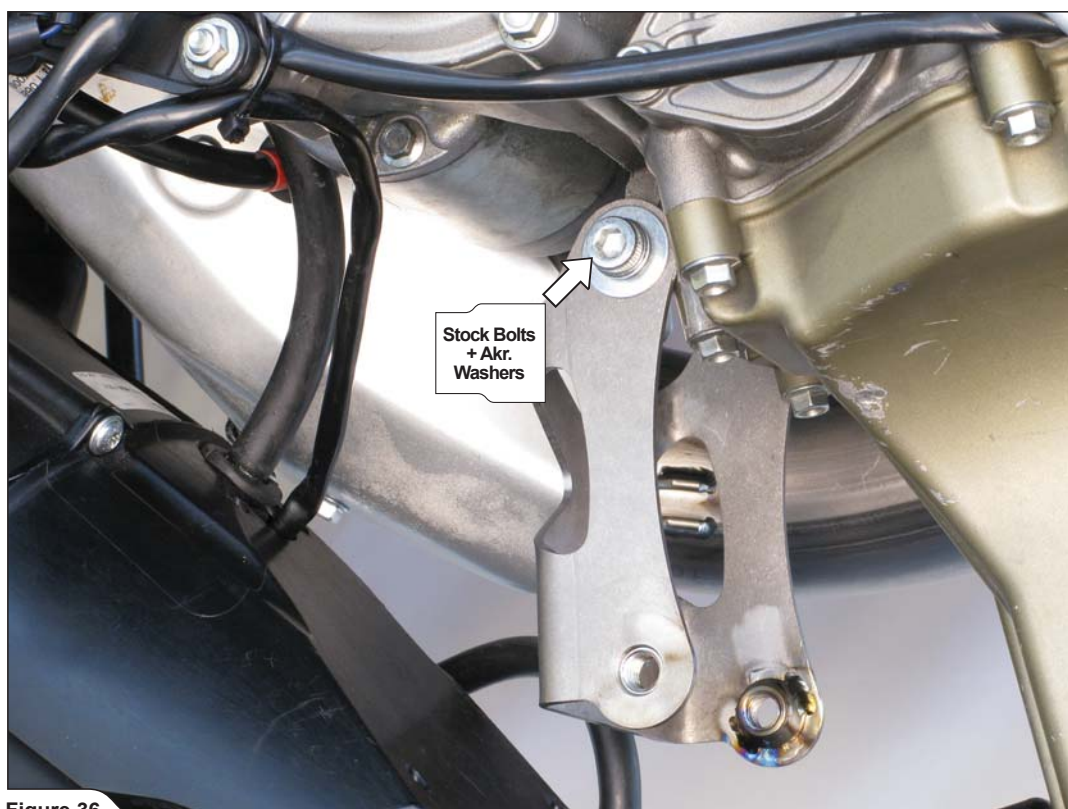


Figure 36

11. Unscrew the marked bolts and partially remove the right rider's foot rest (**Figure 37**).

! CAUTION: be careful not to damage the rear brake system or any other part of the motorcycle during this process!

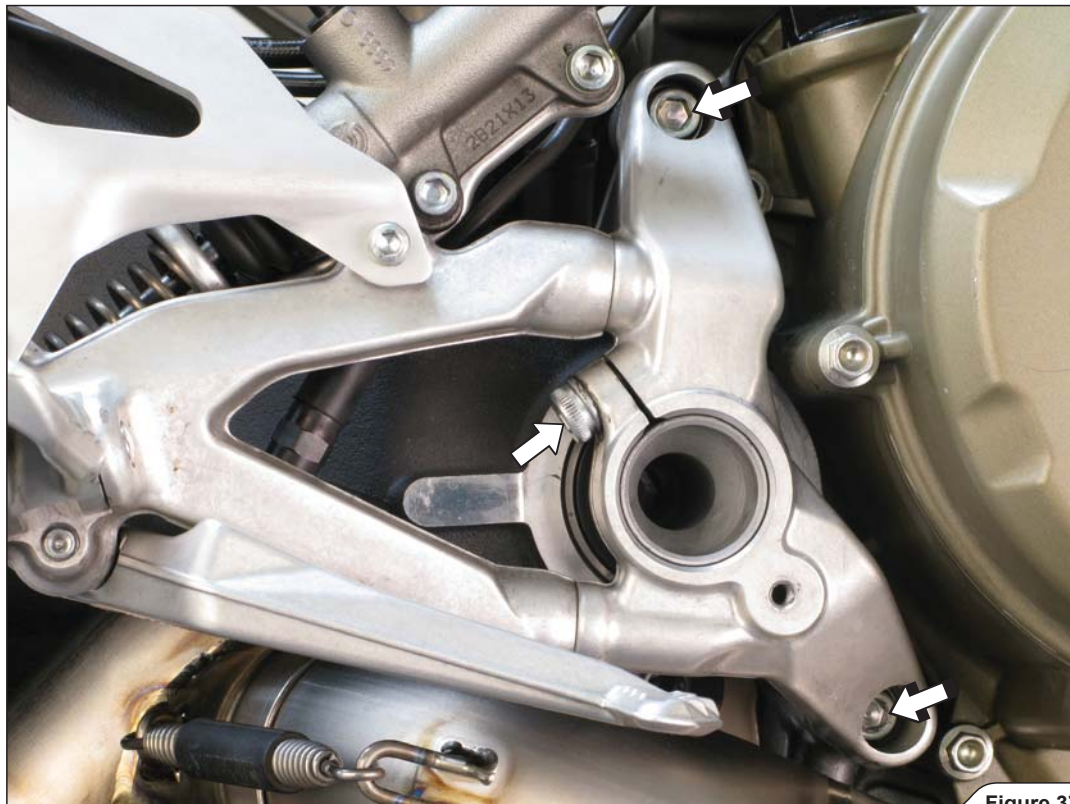


Figure 37

12. Slide the mufflers onto the outlets of the collector, hand tighten the mufflers' bracket bolts and attach the springs (**Figure 38, 39**).

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

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

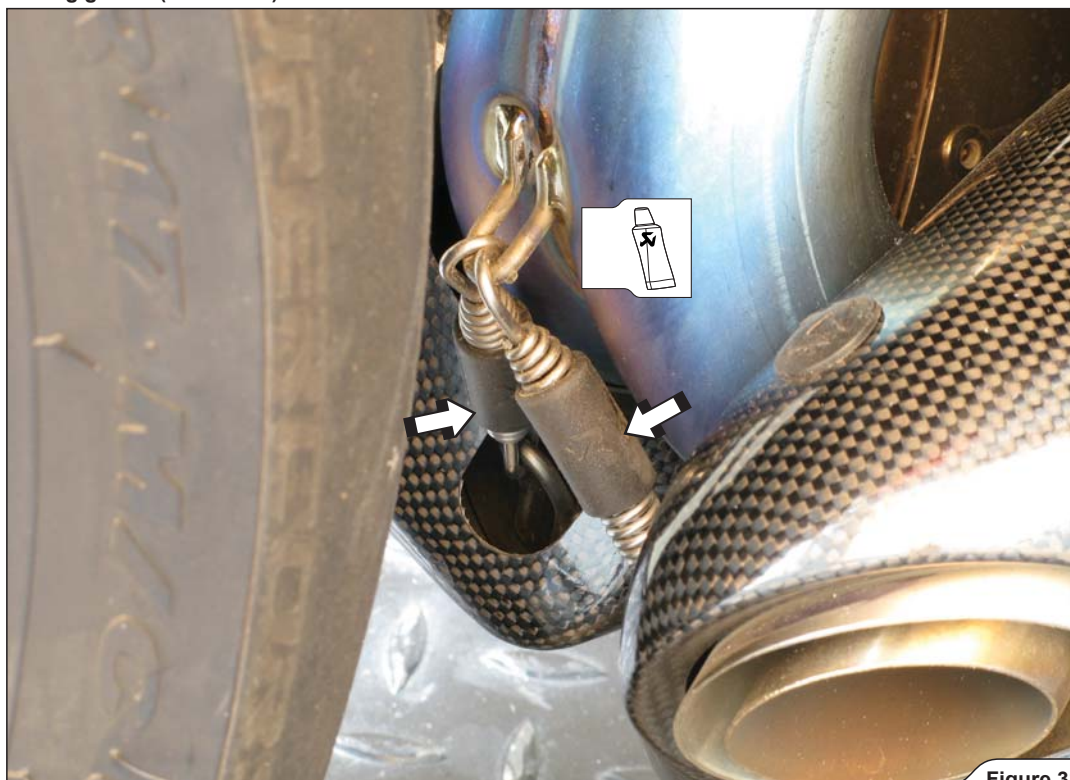


Figure 38

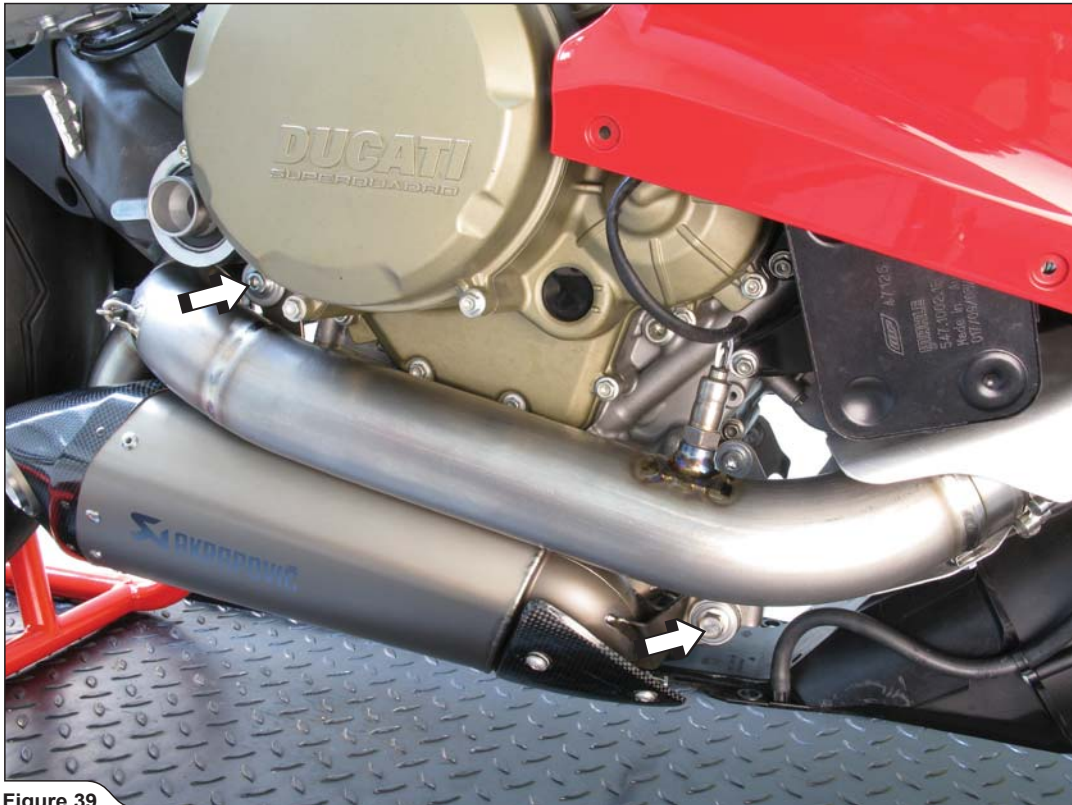


Figure 39

13. Align the mufflers and pipes in respect to the motorcycle and tighten the mufflers' bracket bolts to the specified torque (Figure 40, 41).

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

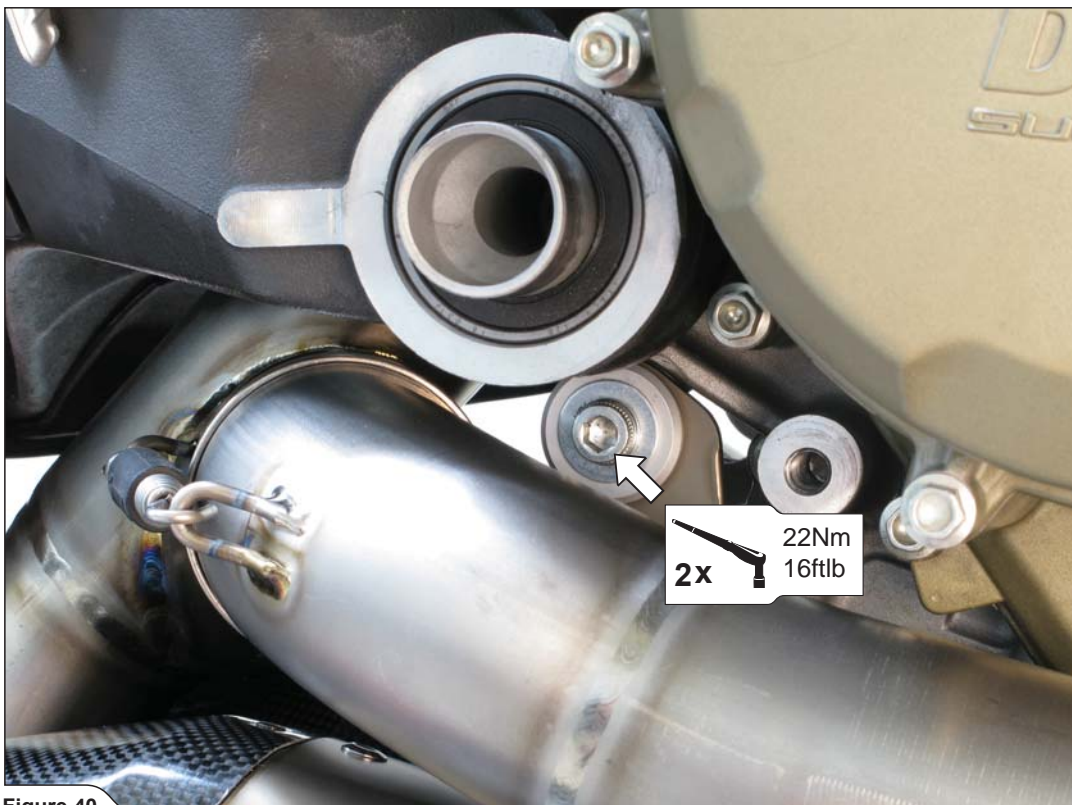


Figure 40

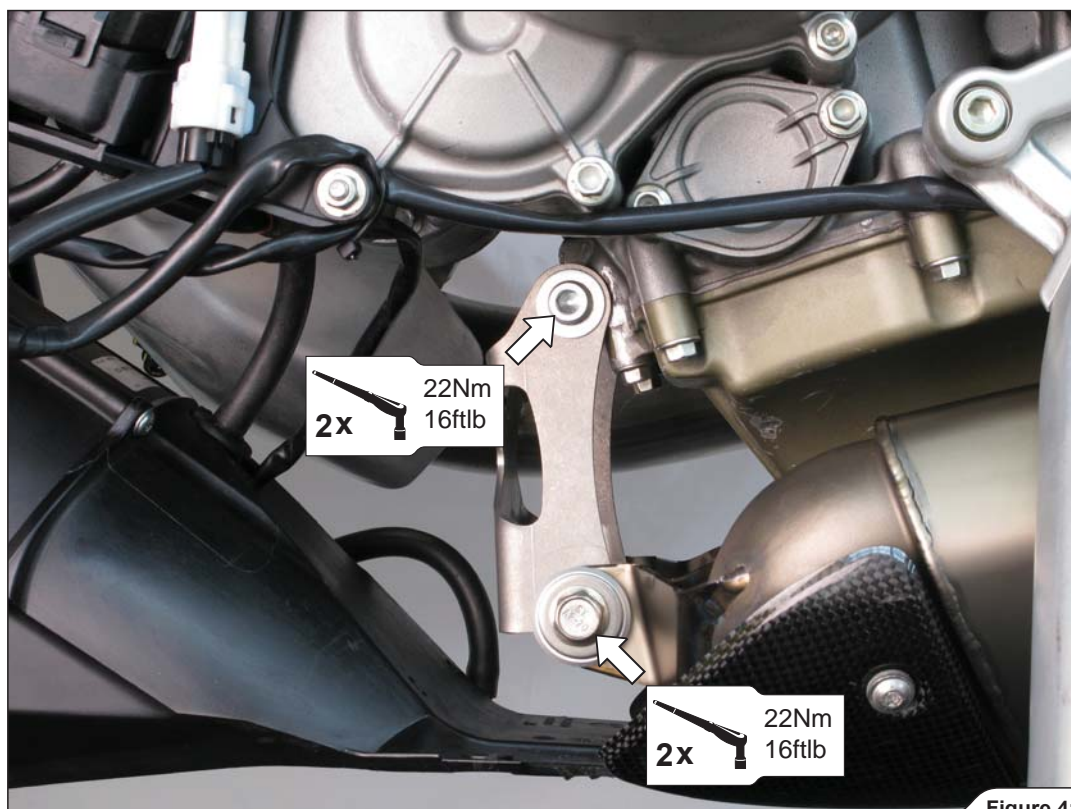


Figure 41

14. Tighten the front header to the specified torque (Figure 42).

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

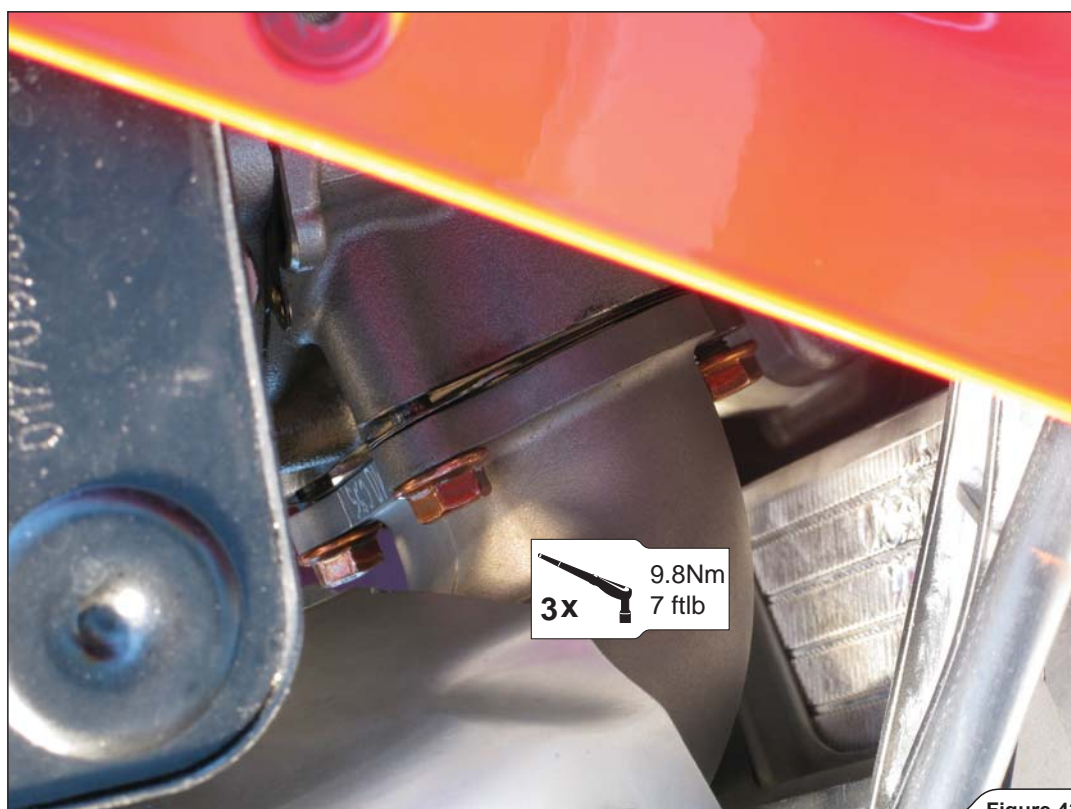


Figure 42

15. Reinstall the right rider's foot rest (Figure 43).

! **WARNING:** use Akrapovič bolt sealant on the marked bolts' threads!

! **CAUTION:** be careful not to damage the rear brake system or any other part of the motorcycle during this process!

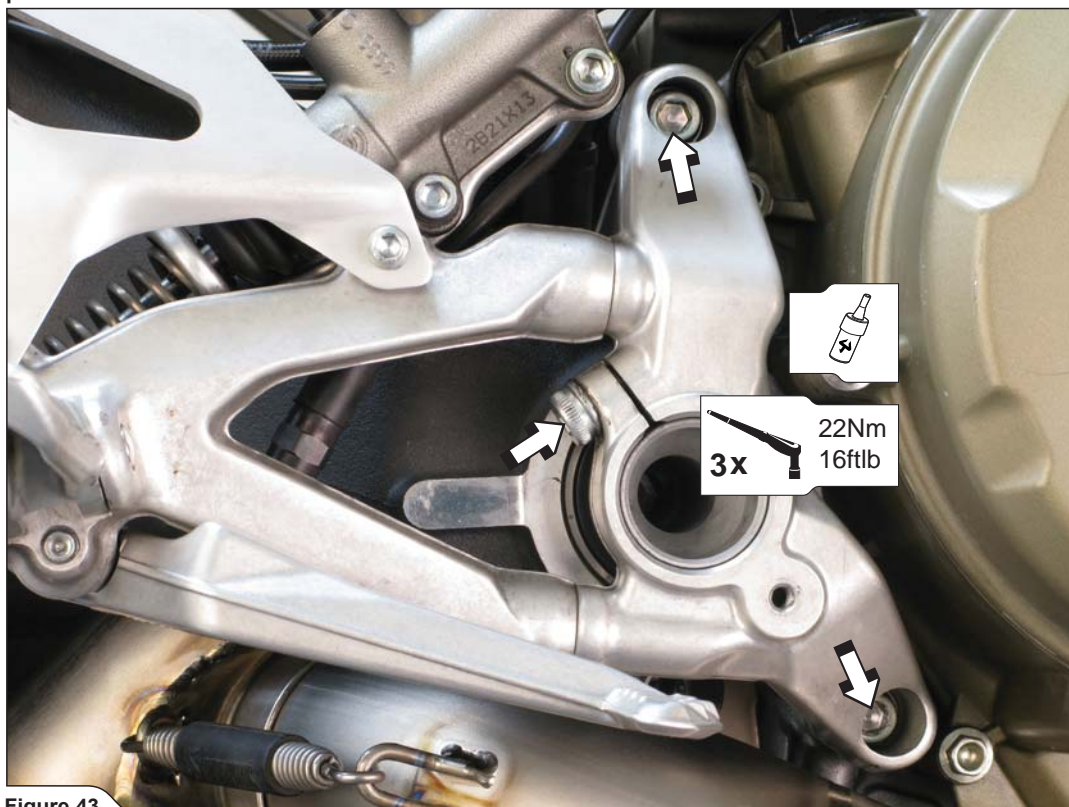


Figure 43

16. Replace all dismantled cowlings in the reverse order from the order in which they were removed. Check vehicle manufacturer manual for tightening torques. (Figure 44).

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



Figure 44

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. 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.”

