



Installation instructions

Akrapovič Exhaust System:
Slip-On with Sound kit
for the
Harley-Davidson Touring



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

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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/>

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.

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.**



Socket 1/2
Socket 7/16
Socket 9/16
Socket 15/16
Torx 30
Torx 45
Torx 50
Combination 8 mm wrench
Combination 10 mm wrench
Combination 11 mm wrench
Combination 13 mm wrench
Combination 17 mm wrench
Flat screwdriver
Cross head screwdriver
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 HARLEY-DAVIDSON ROAD KING. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER TOURING 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 center stand.
2. Undo the marked fasteners and remove the saddlebags off both sides of the motorcycle (Figure 1).

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



Figure 1

3. Loosen the marked heat shield's tape clamp and muffler's clamp on both sides of the motorcycle (Figure 2).

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



Figure 2

4. Unscrew the marked bolt, remove the seat and carefully pull the under seat panels off the motorcycle (Figure 3).
! CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!



Figure 3

5. To remove the exhaust valve cable from the valve, first do the following (Figure 4, 5):
- temporarily connect the Sound Receiver to the stock servo motor and stock wiring harness
- put the contact switch in ON position for 3 seconds (the servo releases the cable)
- put the contact switch in OFF position (do not disconnect the Sound Receiver and wiring harness!)
Now, you can remove the cable off the valve (Figure 6).

- ! CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!
! CAUTION: in case of broken fuse, use only automotive 5A fuse!

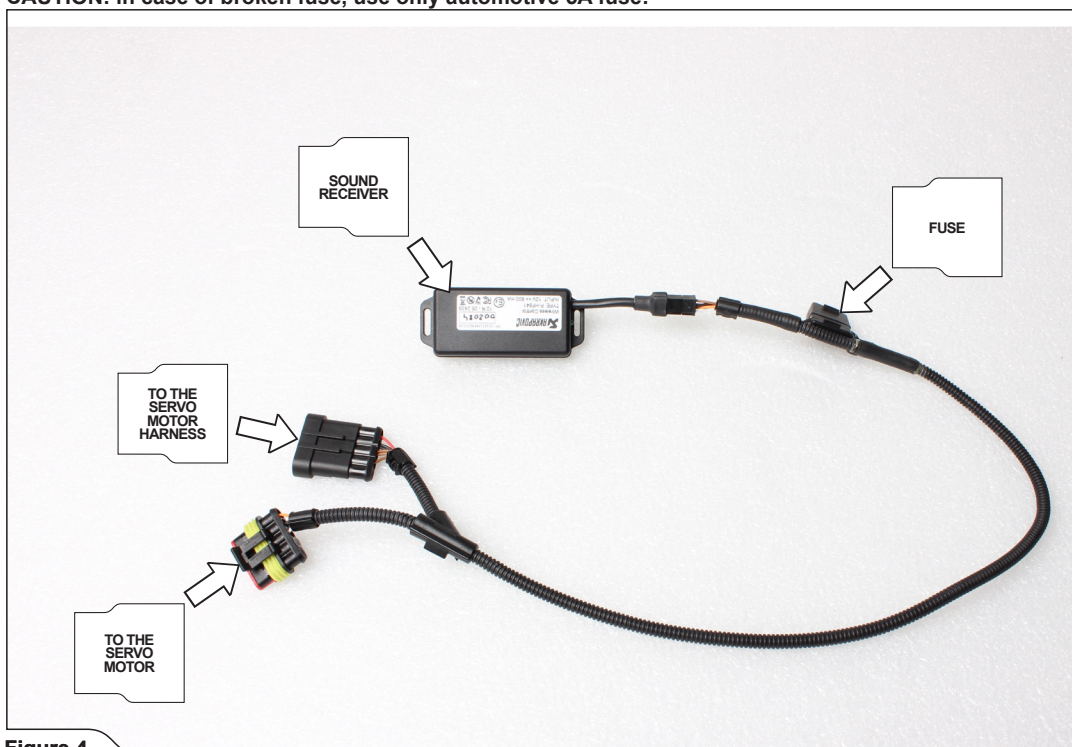


Figure 4

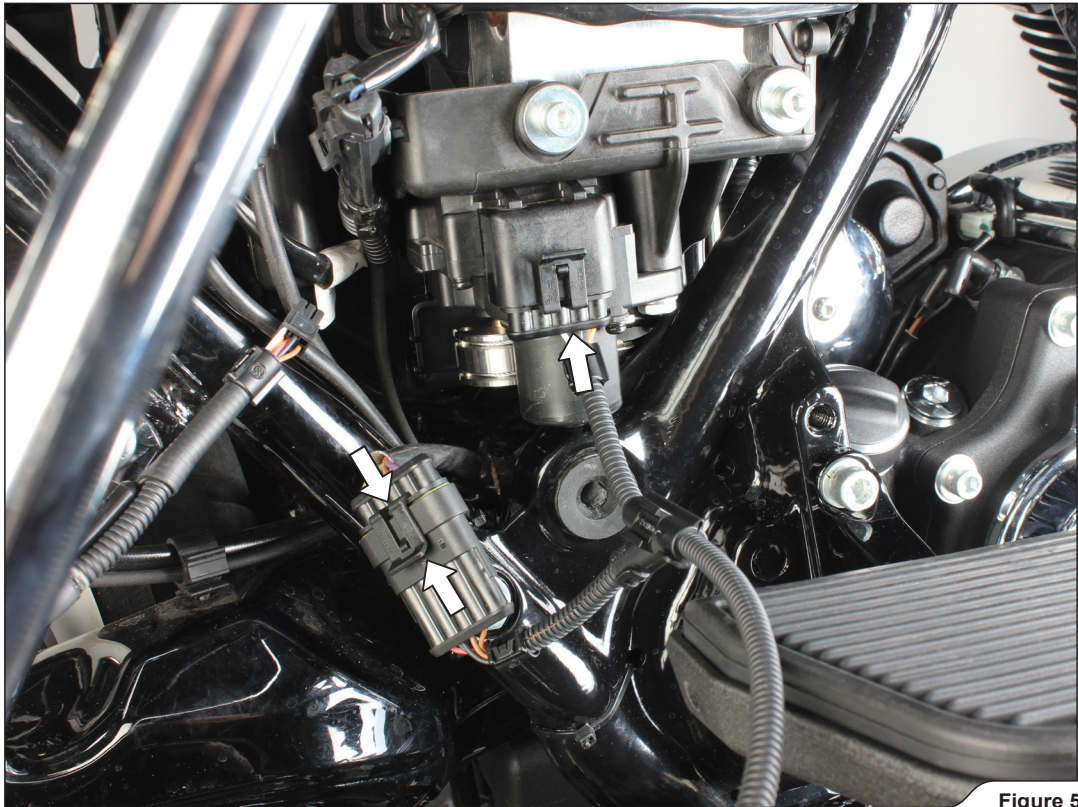


Figure 5

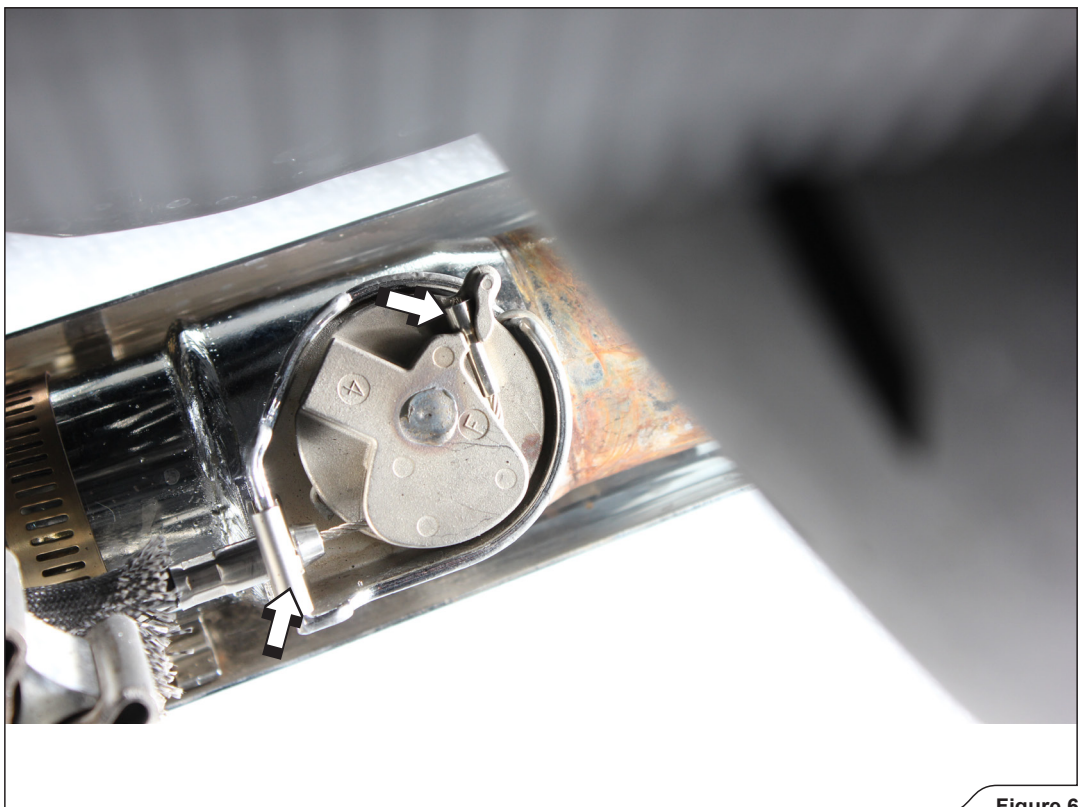


Figure 6

6. Unscrew the marked bolts on both sides of the motorcycle and remove the mufflers (Figure 7).
! **CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!**



Figure 7

7. Unscrew the marked bolts and remove the servo motor together with the cable off the motorcycle (Figure 8). Remove the cable from servo motor. Now put the servo motor in its base position:
- put the contact switch in ON position for 3 seconds.
- put the contact switch in OFF position (now you can remove the Sound Receiver and harness).
! **CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!**

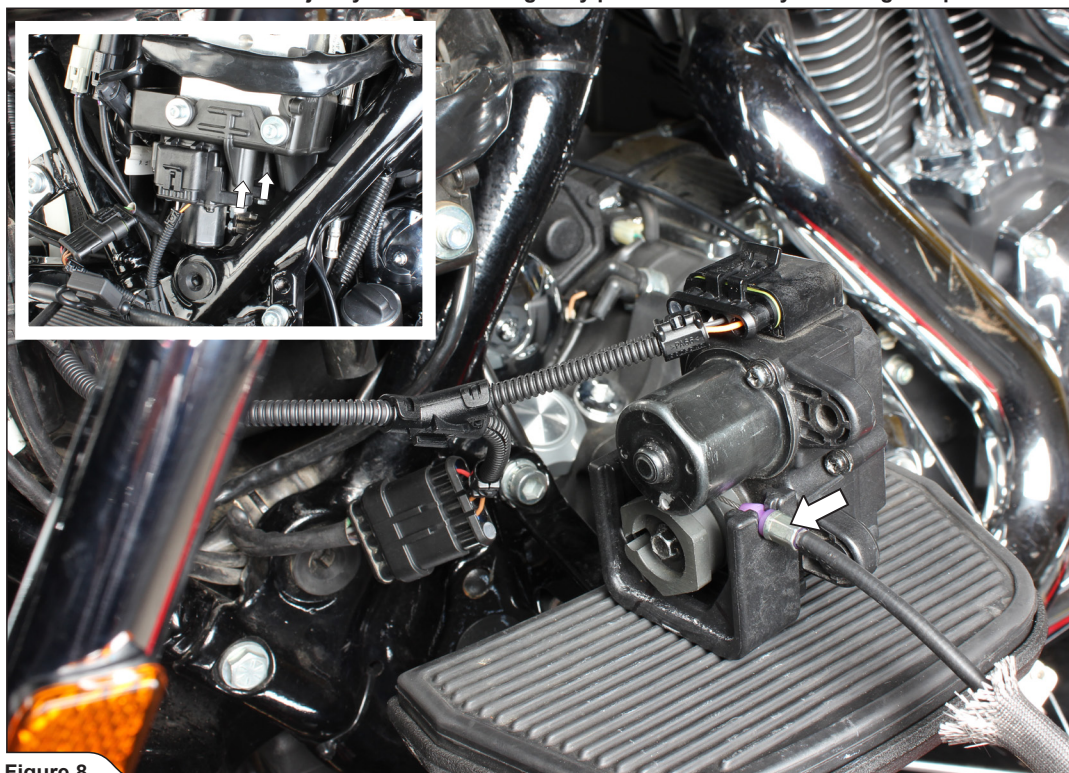


Figure 8

8. Unscrew the cable bracket and cable wheel off the servo motor (Figure 9, 10).

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

! CAUTION: do not turn the servo motor wheel with force or the servo motor could get damaged. Hold the cable wheel in place when unscrewing the bolt!



Figure 9



Figure 10

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Prepare the cables from the installation kit:
 - For horizontally mounted servo motorcycle models (Figure 11, 12): use longer pair of cables from installation kit (bowden cable housing length 870mm/34,25inch and 620mm/24,4inch).
 - For vertically mounted servo motorcycle models (Figure 13, 14): use longest and shortest cable from installation kit (bowden cable housing length 870mm/34,25inch and 585mm/23inch).



Figure 11

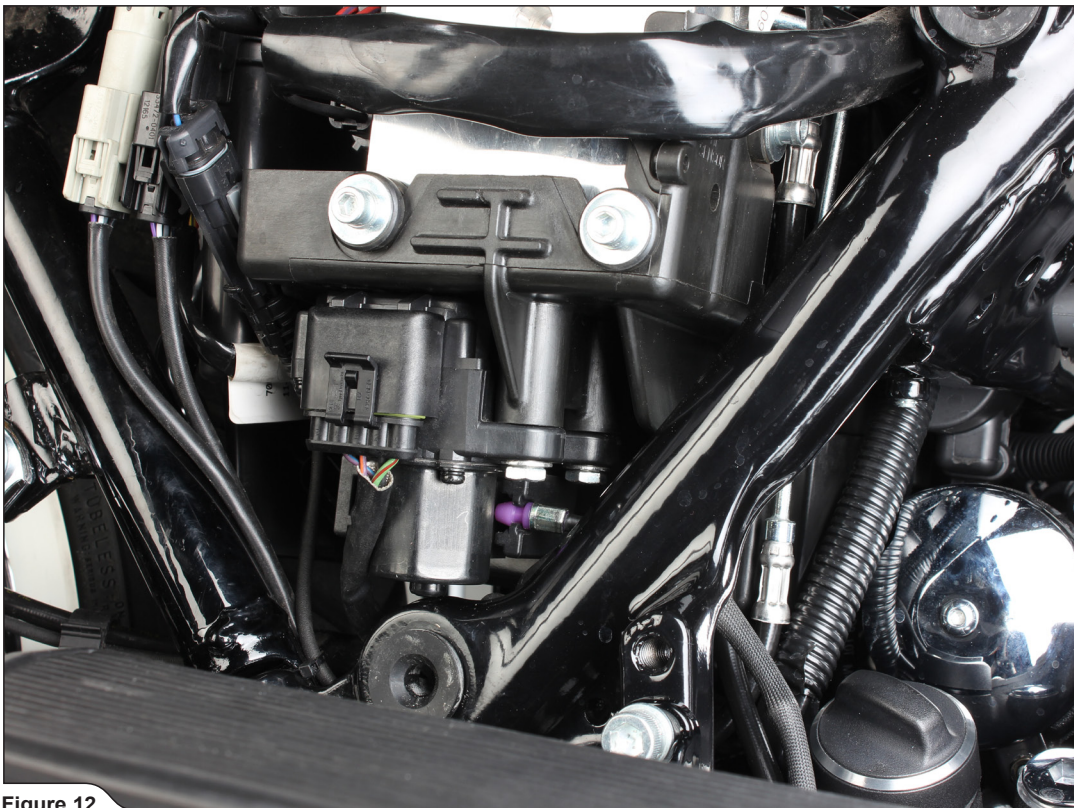


Figure 12



Figure 13

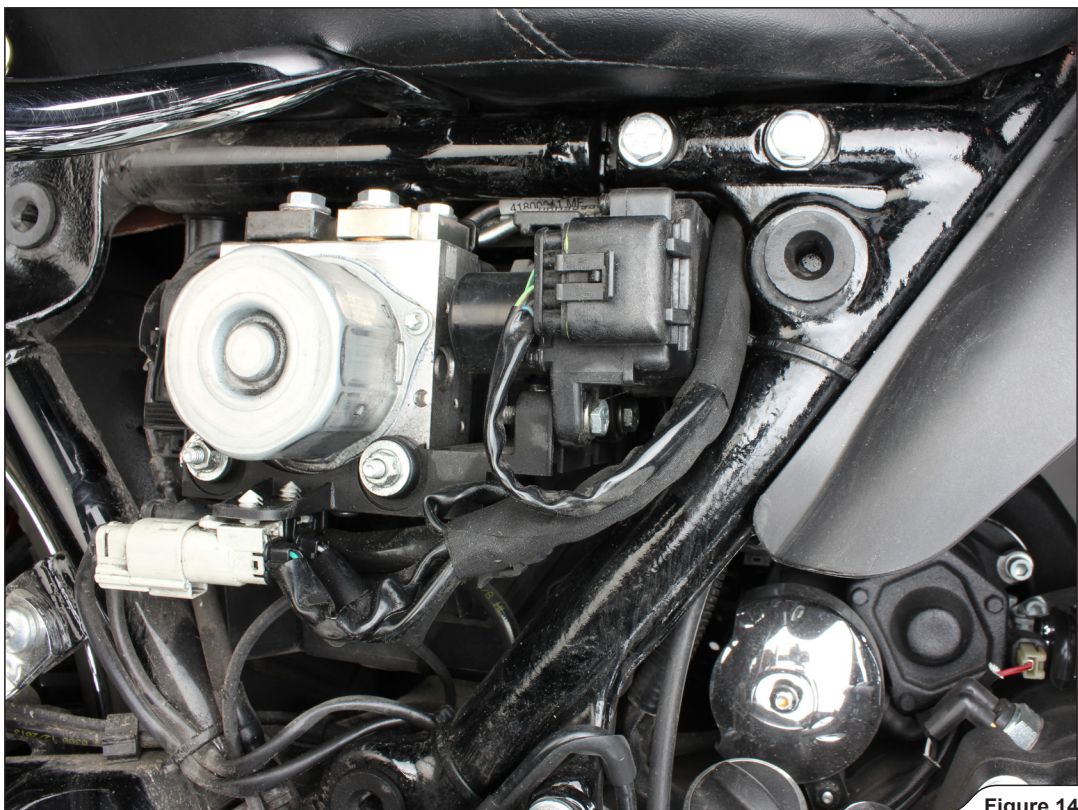


Figure 14

2. Hook the cables onto the cable wheel, correctly position/orient the wheel and bolt the wheel onto the servo motor (Figure 15).

✂ **INSTALLATION TIP:** the position of the cables (shorter - longer cable) on the wheel is not important.

! **CAUTION:** use the cables, cable wheel and cable wheel bolt from Akrapovič installation kit!

! **CAUTION:** do not turn the servo motor wheel with force or the servo motor could get damaged. Hold the cable wheel in place when tightening the bolt!

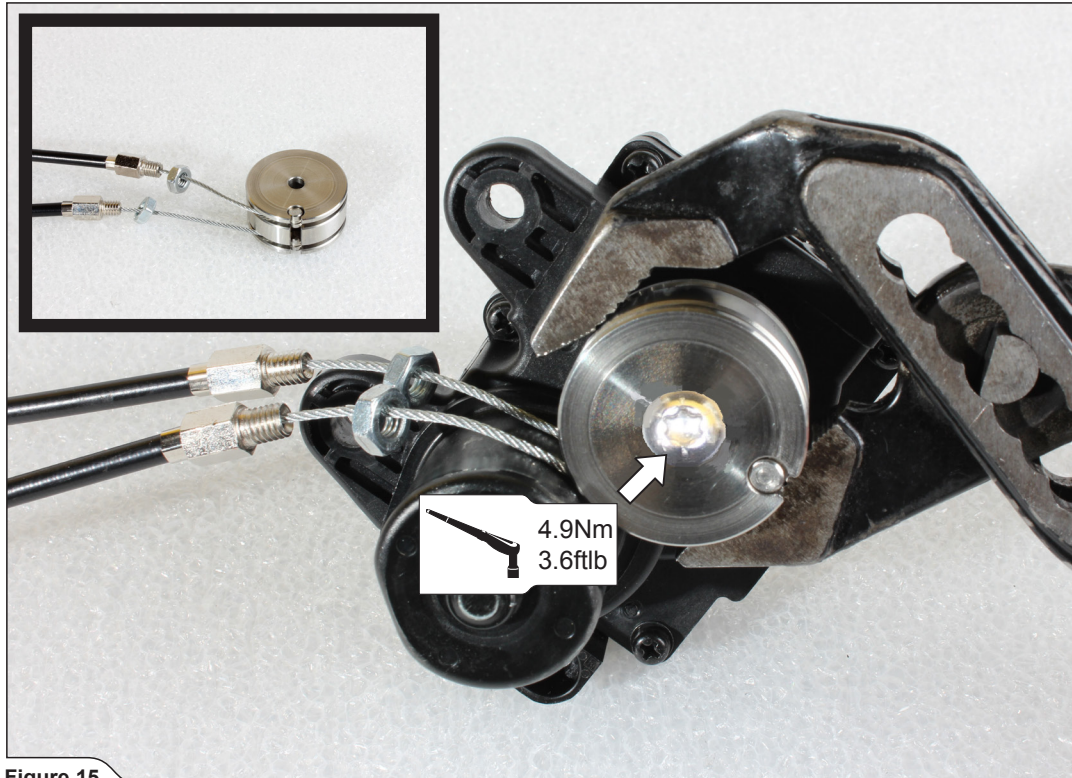


Figure 15

3. Tighten the cable bracket onto the servo motor and cables onto the bracket, as shown (Figure 16).

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

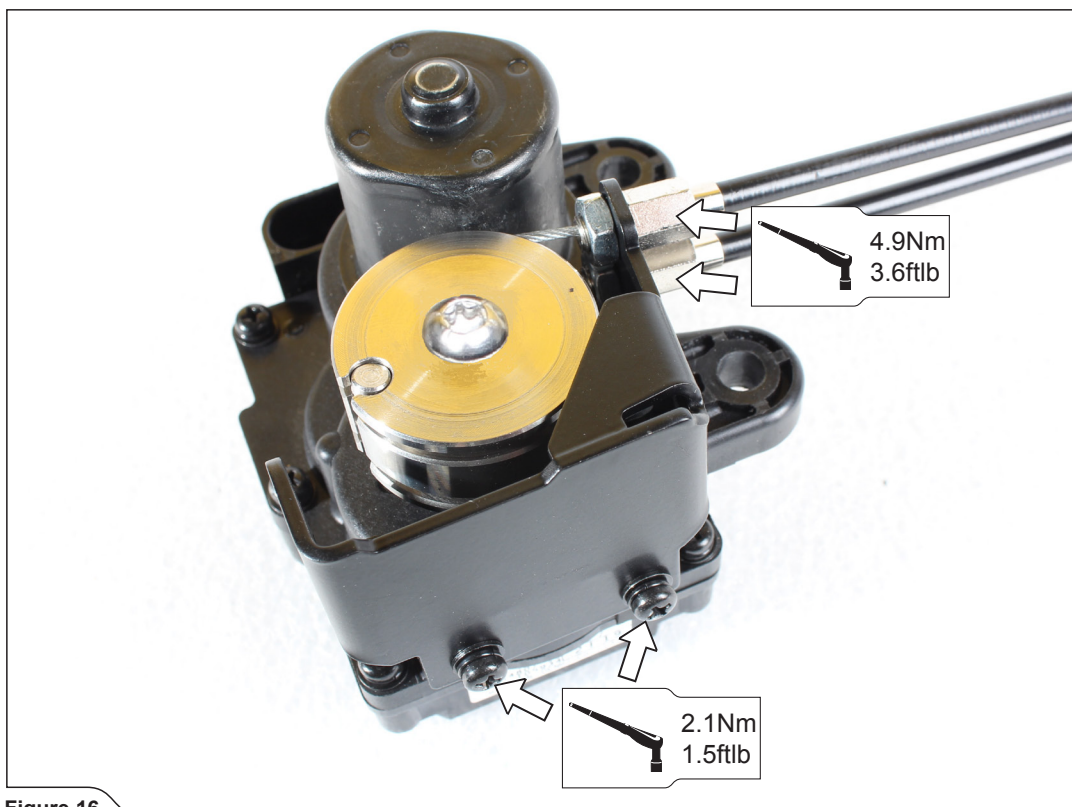


Figure 16

4. Reinstall the servo motor back onto the motorcycle (Figure 17).

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

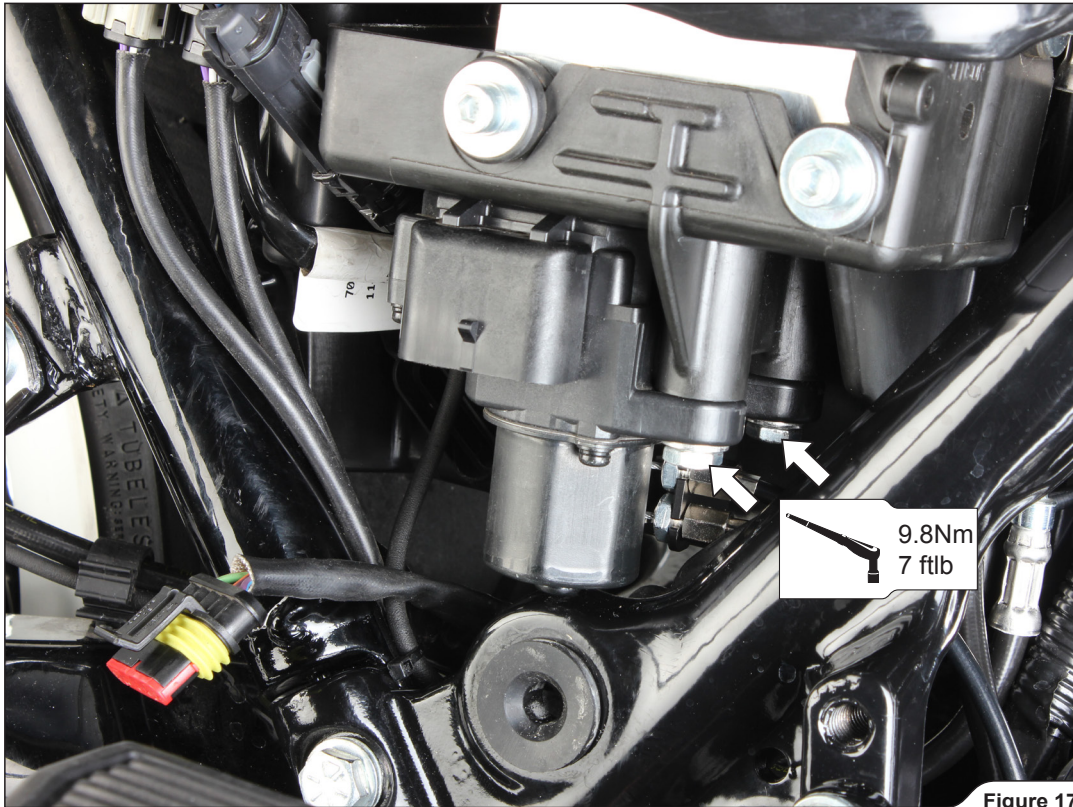


Figure 17

5. Connect the Sound Receiver and wiring harness to the servo motor and stock wiring harness. Install the Akrapović wiring harness and Sound Receiver as shown; secure the Receiver using zip ties from Akrapović installation kit (Figure 18, 19).

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

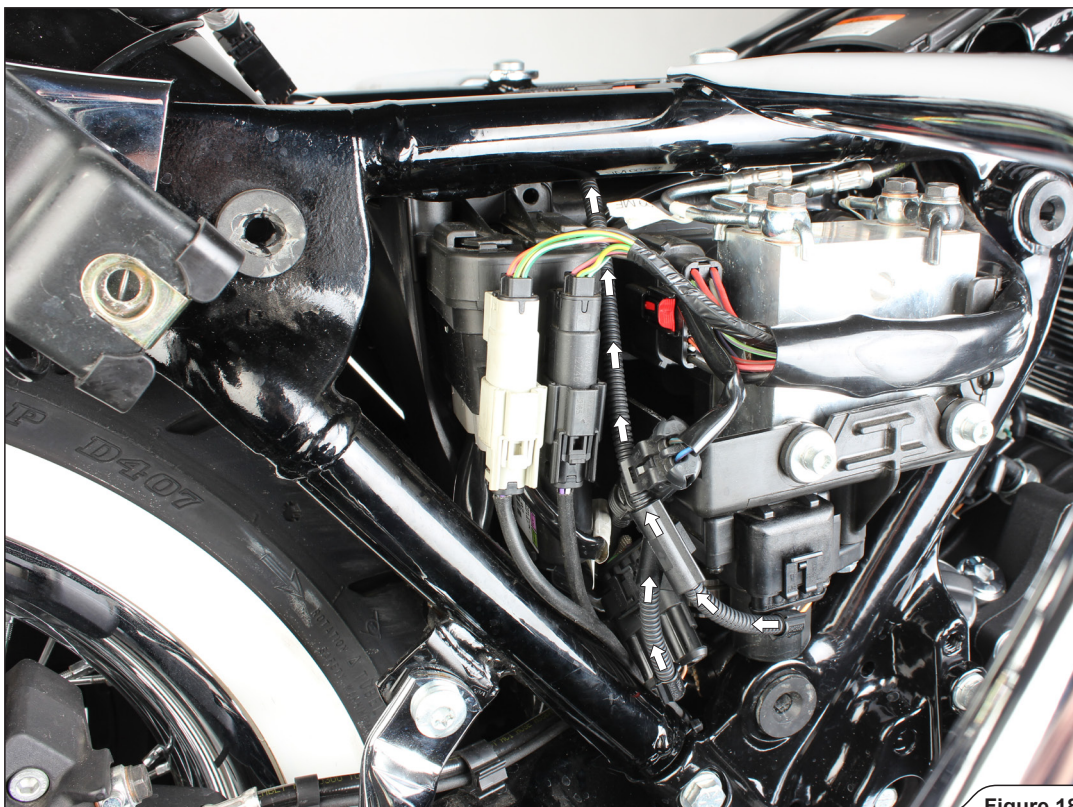


Figure 18

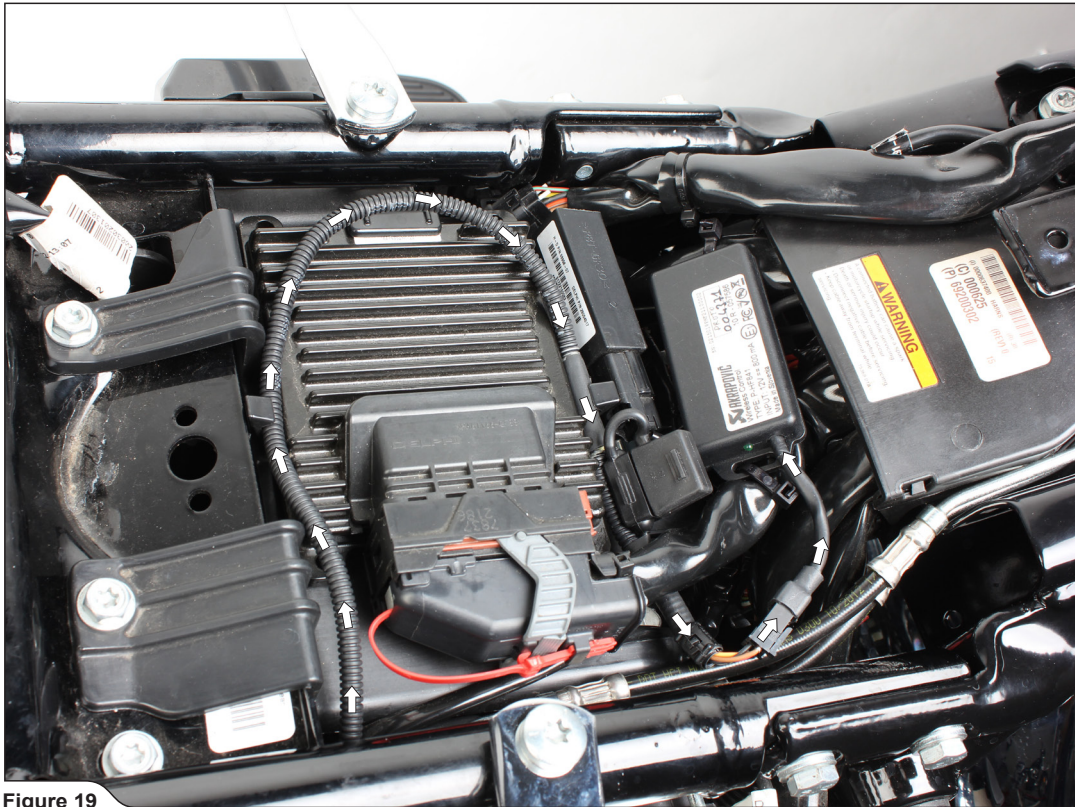


Figure 19

6. Install and secure the cables as shown (**shorter cable:** to the right side ; **longer cable:** to the left side) (Figure 20, 21, 22, 23, 24).

! **WARNING:** make sure, that cables don't touch any hot or moving parts of the motorcycle!

! **CAUTION:** secure the cables in place, using zip ties from Akrapovič installation kit!

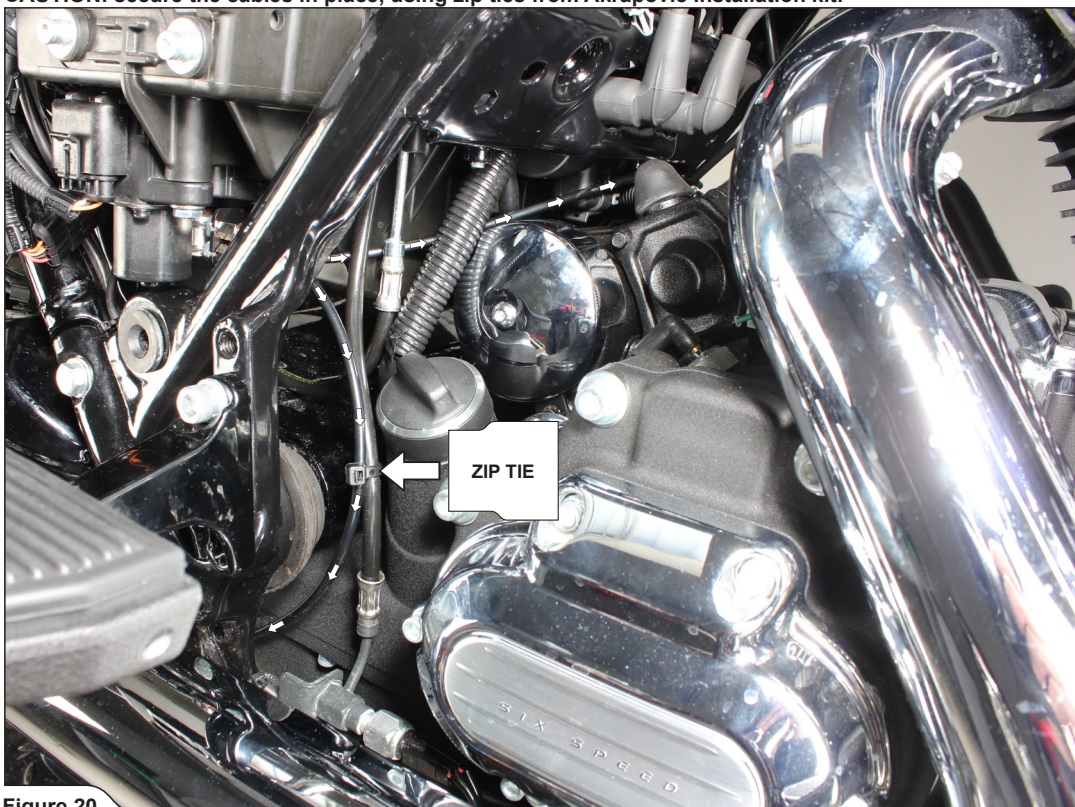


Figure 20

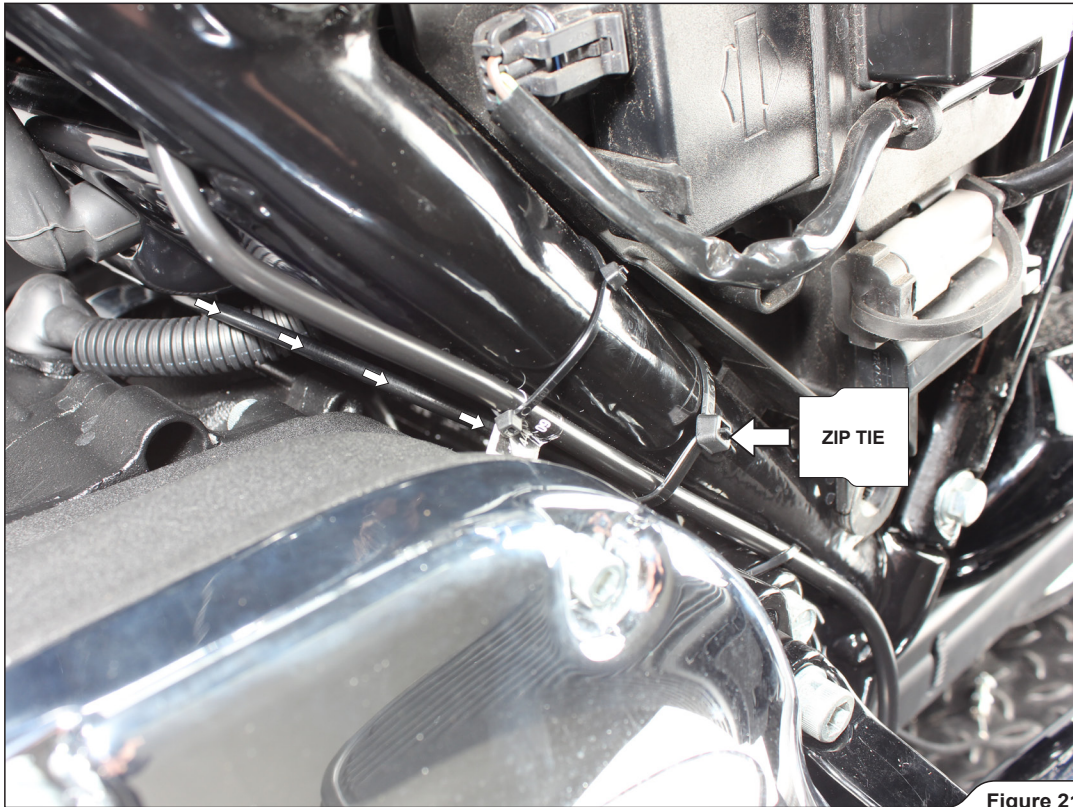


Figure 21

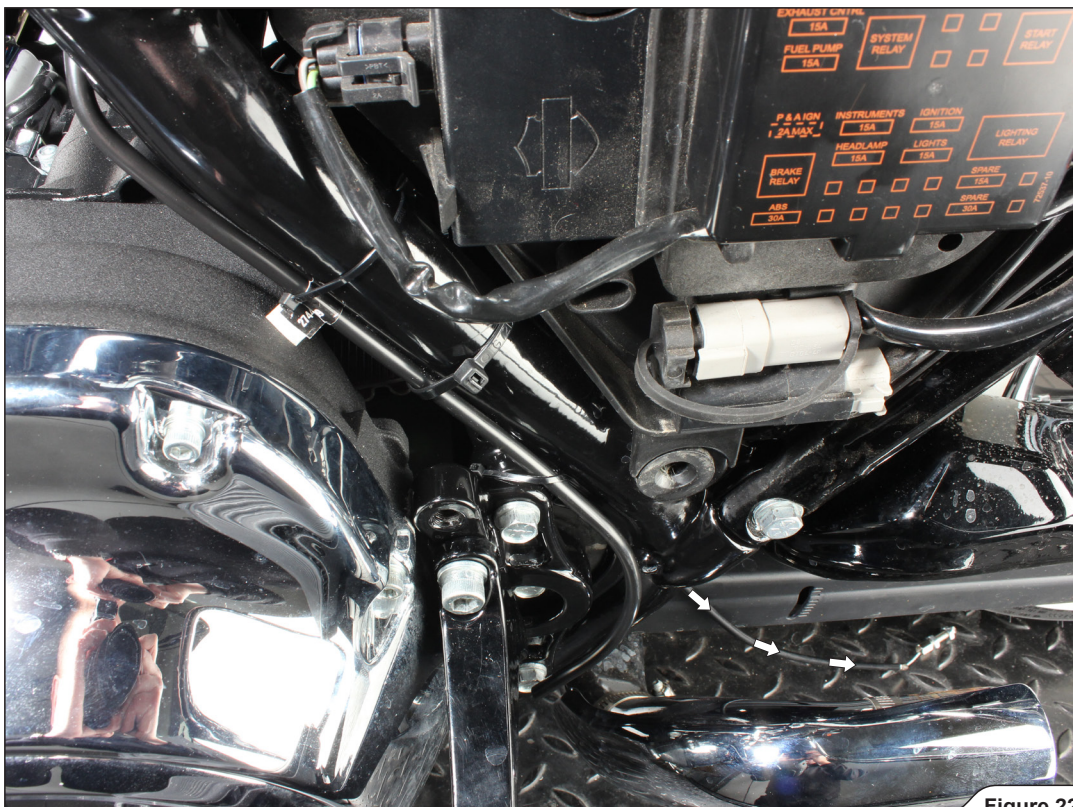


Figure 22

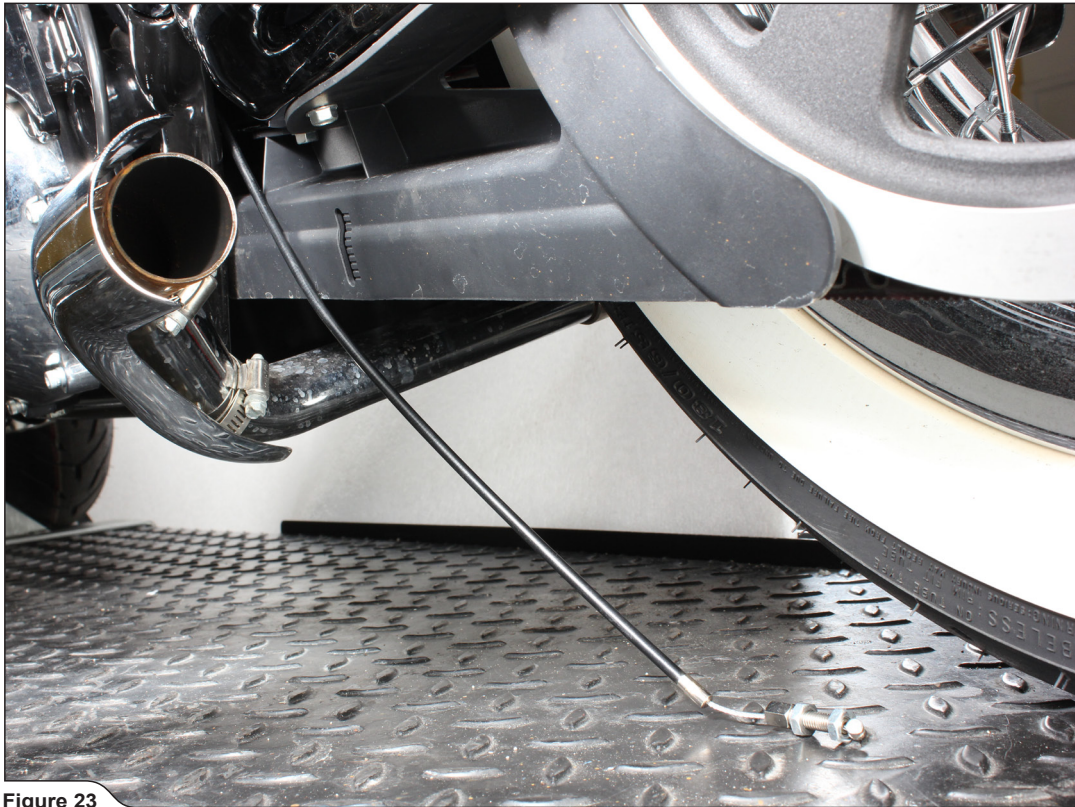


Figure 23

! **CAUTION:** in case, if the right cable is touching the clamp: loosen the clamp, rotate it out of the way and retighten it to the specified torque (Figure 24)!

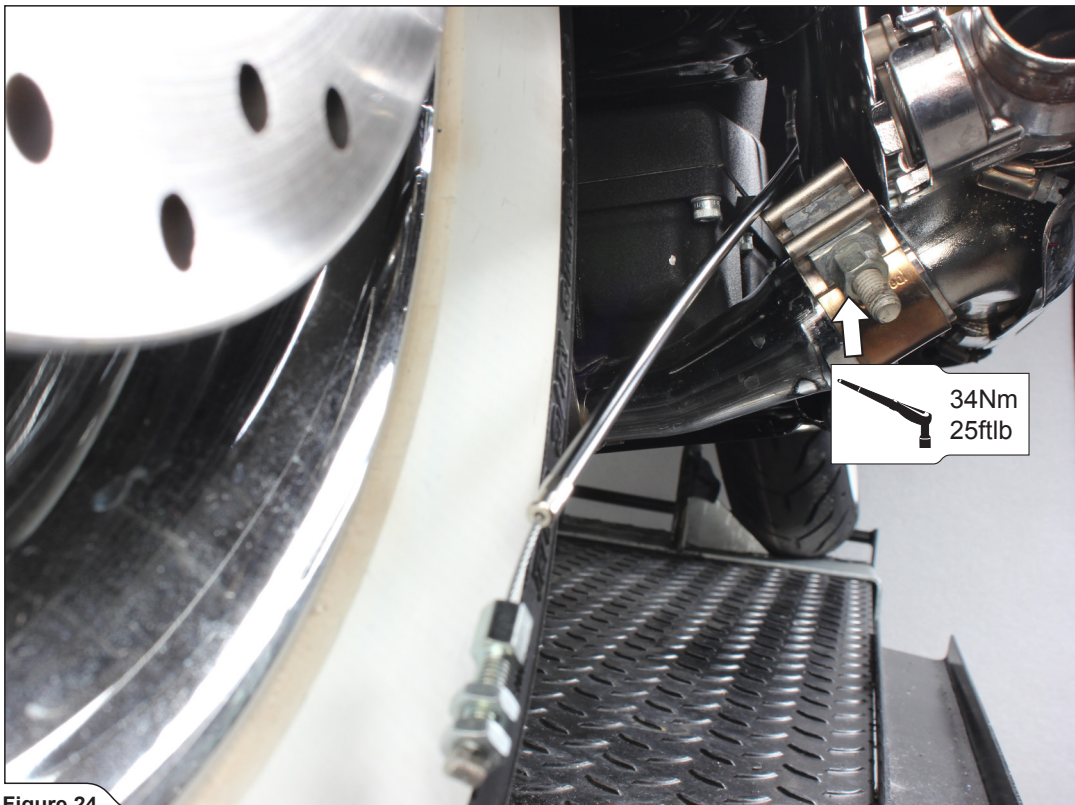


Figure 24

7. Assemble the mufflers, link pipes, clamps and heat shields, as shown (Figure 25, 26).



Figure 25



Figure 26

8. Lock the stock exhaust valve in the open position, using blocking cable from Akrapovič installation kit (Figure 27).
! CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!

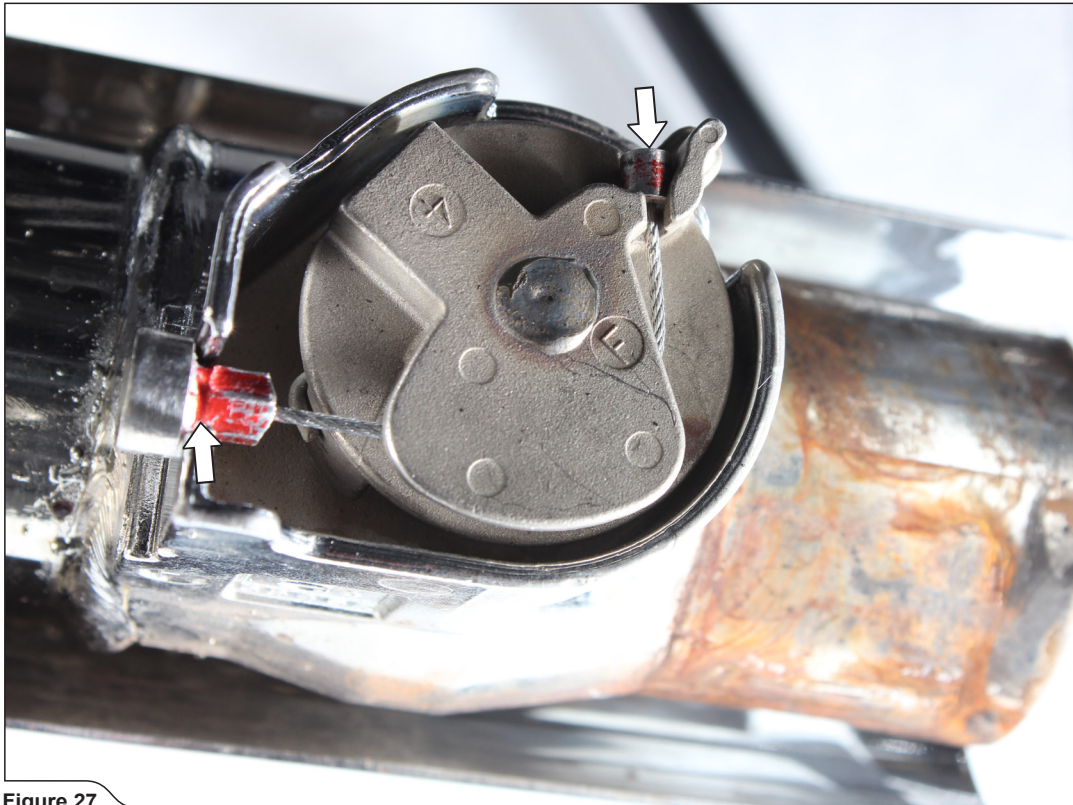


Figure 27

9. Slide the assembled mufflers onto the motorcycle, adjust them in respect to the motorcycle and tighten the mufflers onto the brackets (Figure 28).
! CAUTION: use M8x16mm bolts from Akrapovič installation kit!
! CAUTION: be careful not to injure yourself or damage any part of the motorcycle during this process!

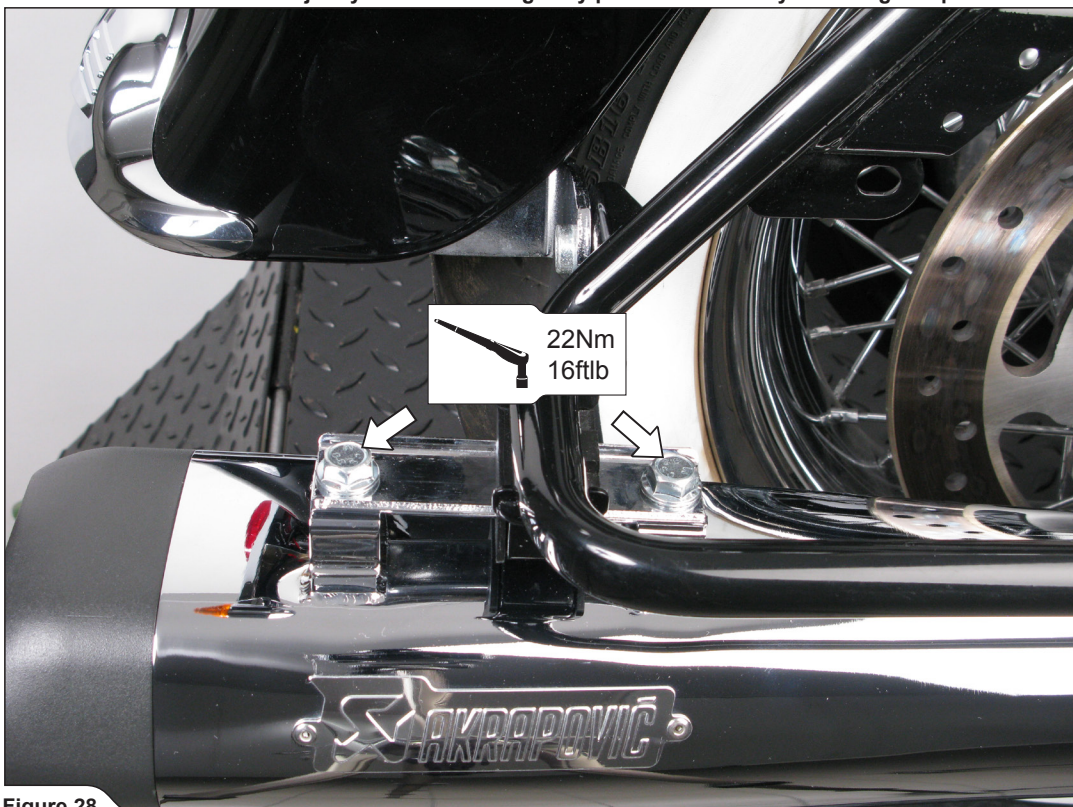


Figure 28

10. Align both Akrapovič heat shields with original heat shields, adjust all the clamps as shown and tighten them to a specified torques (Figure 29).

! **CAUTION:** there must be at least 1.5mm(0.06 inch) gap at any point between Akrapovič muffler and Akrapovič heat shield!

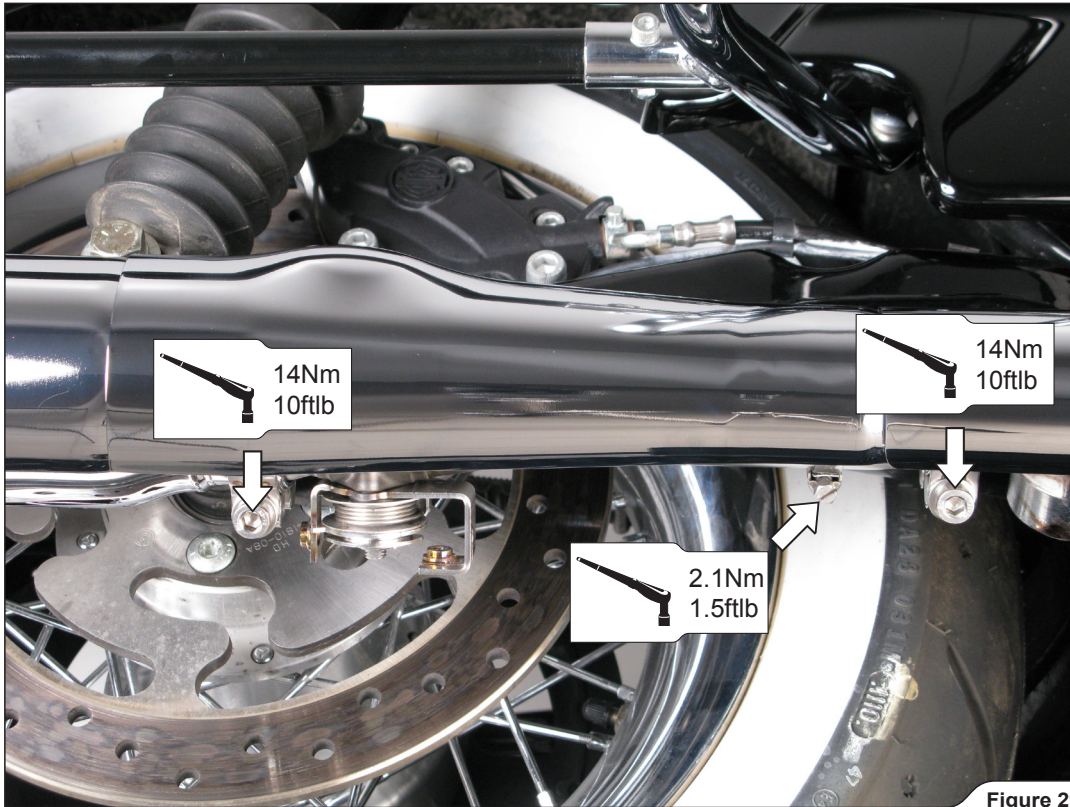


Figure 29

11. Assemble and adjust the cables onto the valves, as follows:

- attach the right cable first, adjust the cable adjuster so the gap between nut and bolt is 5mm (0,197inch) and tighten the locking nuts (Figure 30).

- measure the marked gap between valve wheel stopper and valve housing (Figure 31).

- attach the left cable, adjust the cable adjuster so the gap between valve wheel stopper and valve housing is the same as on the right side valve and tighten the locking nuts (Figure 32).

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

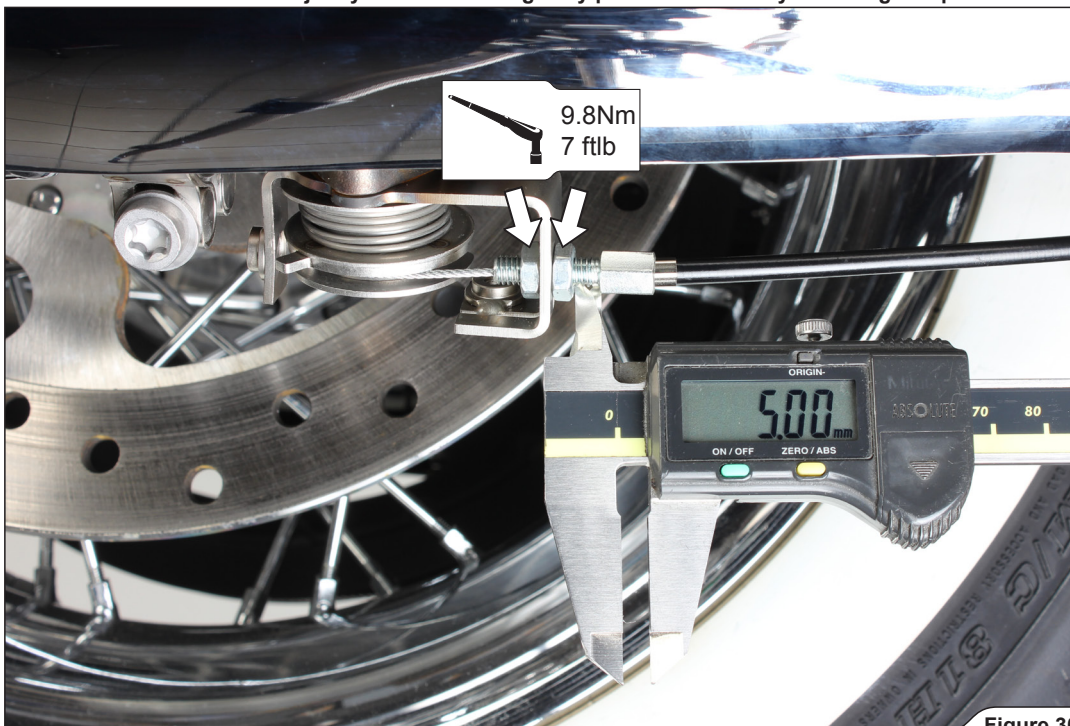


Figure 30



Figure 31

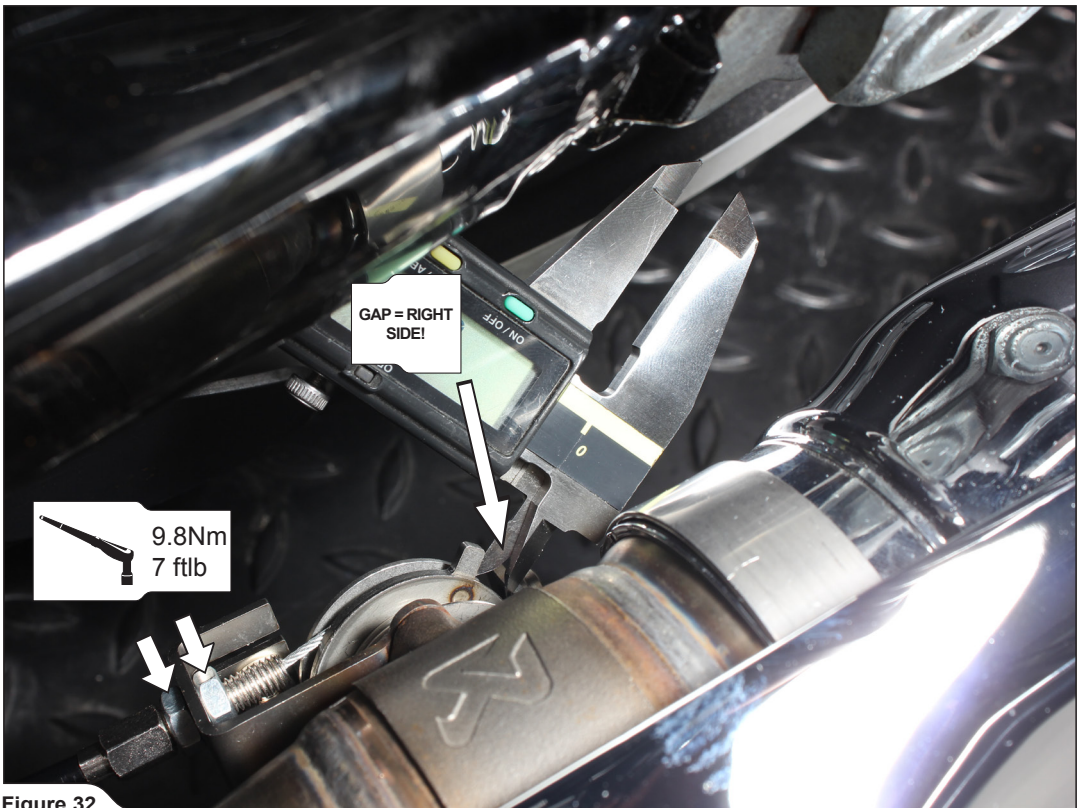


Figure 32

- Put the contact switch in ON position and check if both valves are closed. In case the valves are not completely closed, repeat the adjusting procedure of the cables (Step 11, Figure 30, 31, 32). Assemble the valve covers onto the both exhaust valves (Figure 33).

! **CAUTION: use Akrapovič bolt sealant on the cover bolts' threads!**

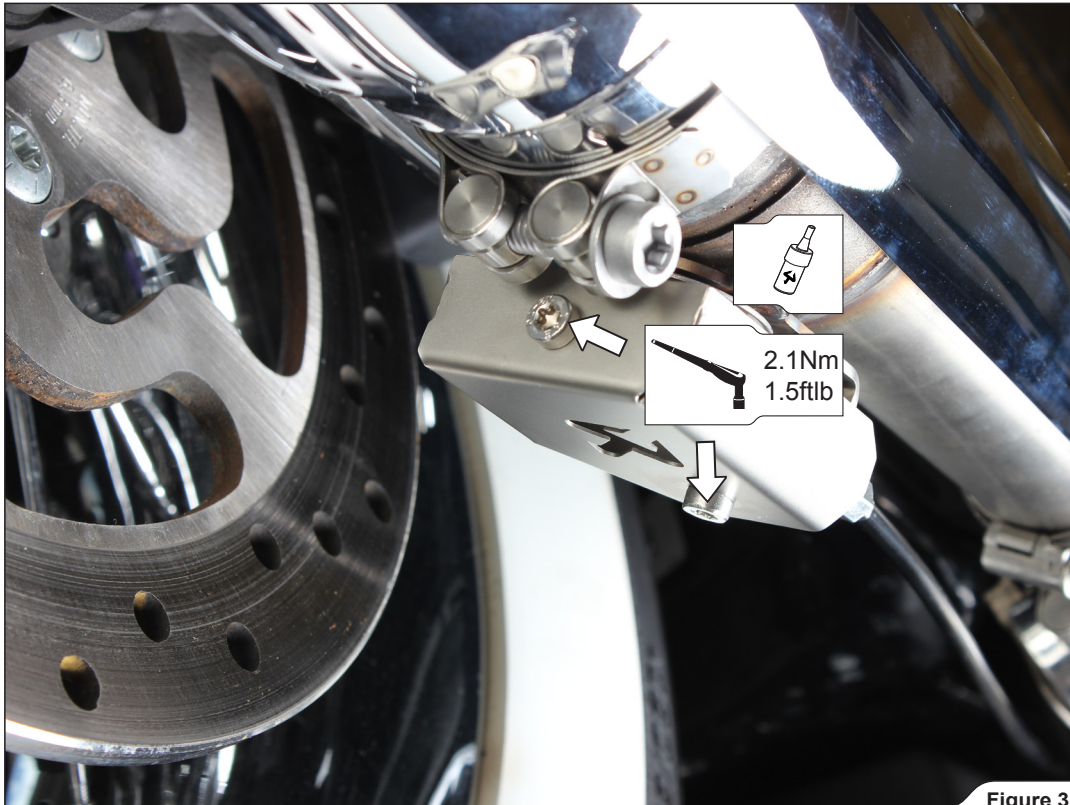


Figure 33

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.”

