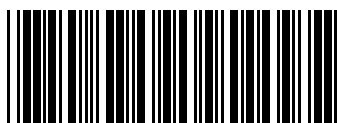




Installation instructions

Akrapovič Exhaust Systems
RACING, EVOLUTION and OPTIONAL HEADERS
for the
Honda CBR 600RR
Honda CBR 600RR ABS



502249

www.akrapovic.com

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



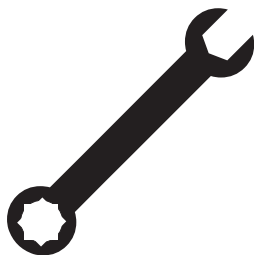
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of reach of children.**



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 8 mm wrench
T-handle 10 mm wrench
T-handle 13 mm wrench
T-handle swiveling 10 mm wrench
T-handle 4 mm three hexagon key wrench
T-handle 5 mm three hexagon key wrench
T-handle 8 mm three hexagon key wrench
Combination 8 mm wrench
Combination 10 mm wrench
Combination 22 mm wrench
Spring puller



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 HONDA CBR600RR ABS M.Y.2008. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER CBR600RR MODELS OR MODEL YEARS



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. Remove the passenger's and rider's seat (Figure 1, 2).



Figure 1



Figure 2

3. Unscrew four marked bolts from the seat cowl and remove the seat cowl (**Figure 3**).



Figure 3

4. Unscrew and remove the licence plate holder with rear light and turn signal lamps. Disconnect the electrical leads first (**Figure 4, 5**).

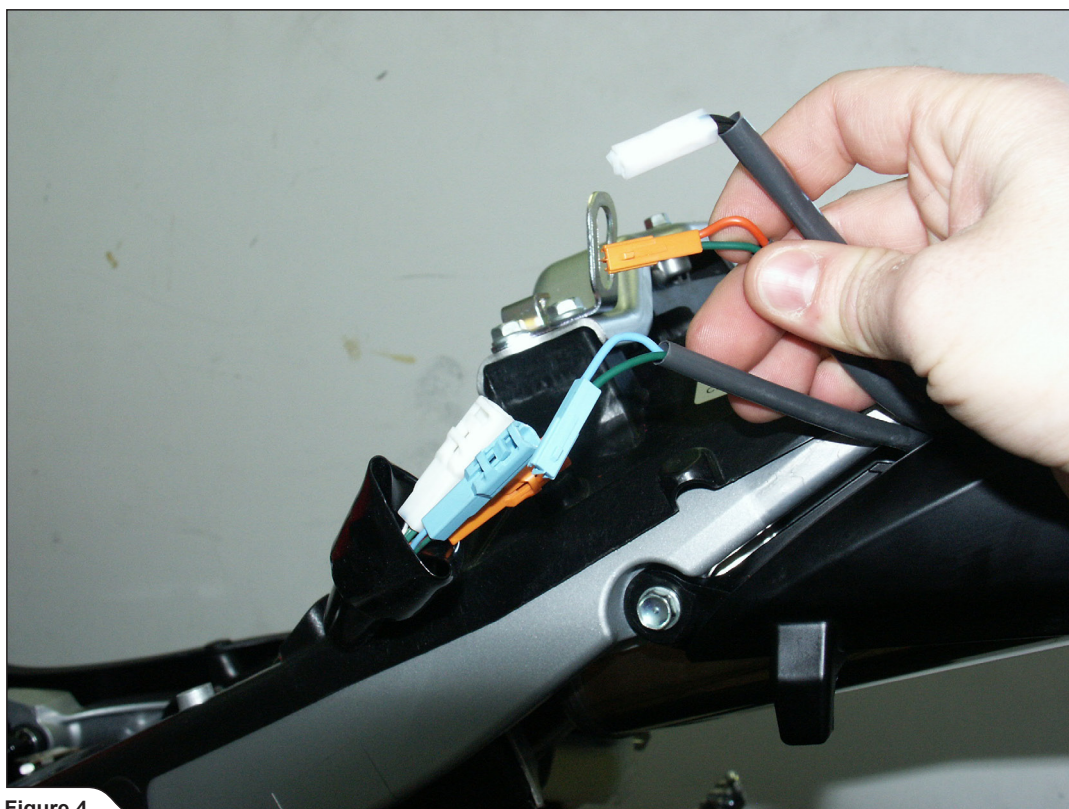


Figure 4

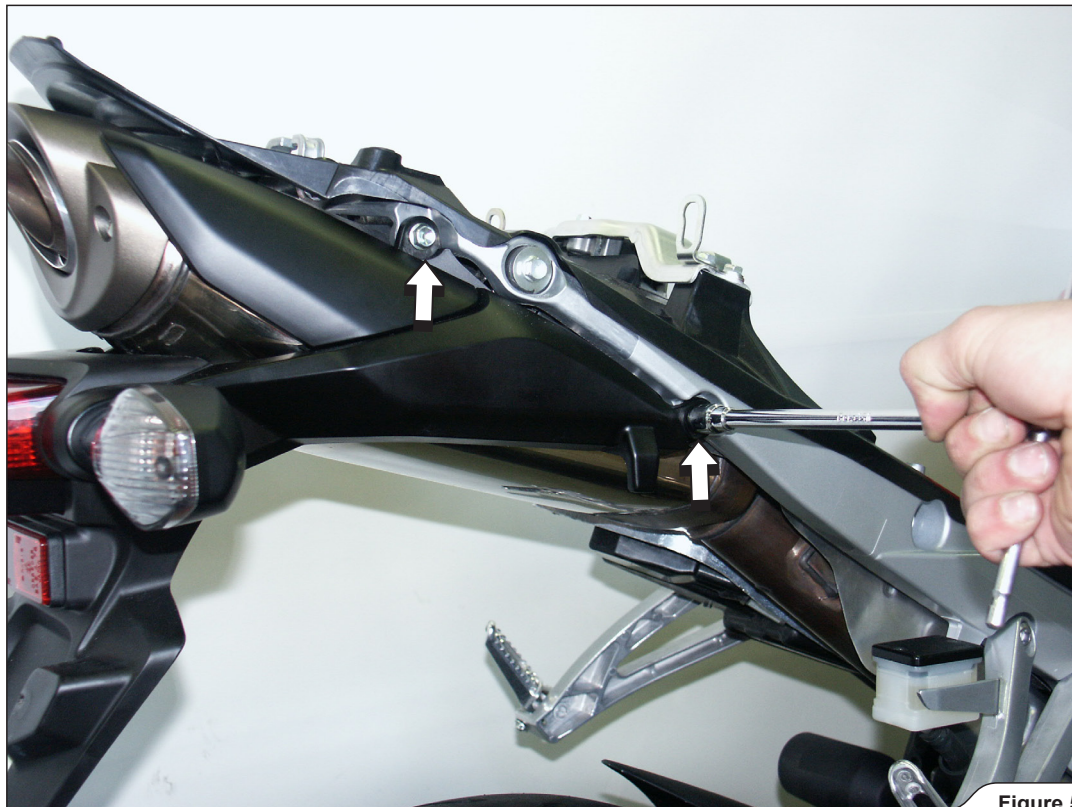


Figure 5

5. Unscrew the passenger's footrest bracket, plastic heat shield cover, aluminium heat shield and the bolts from the rider's footrest bracket (Figure 6, 7, 8, 9, 10, 11).

! **WARNING:** do not disconnect the brake fluid tube!



Figure 6

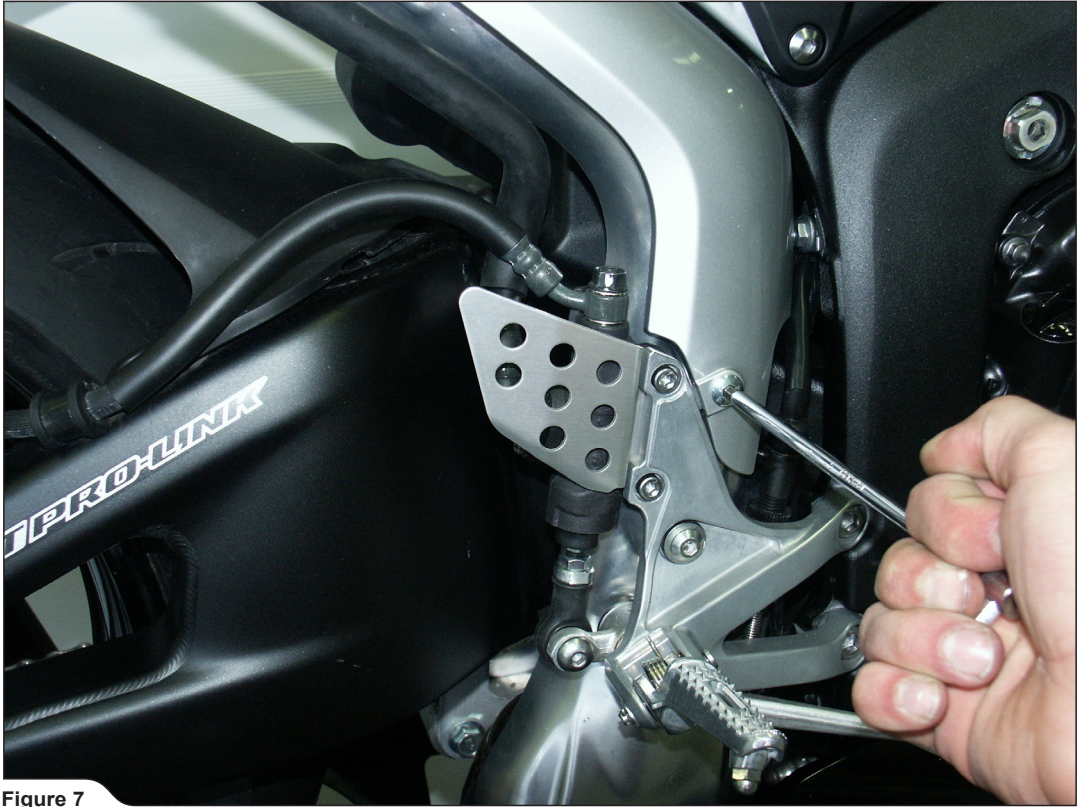


Figure 7



Figure 8

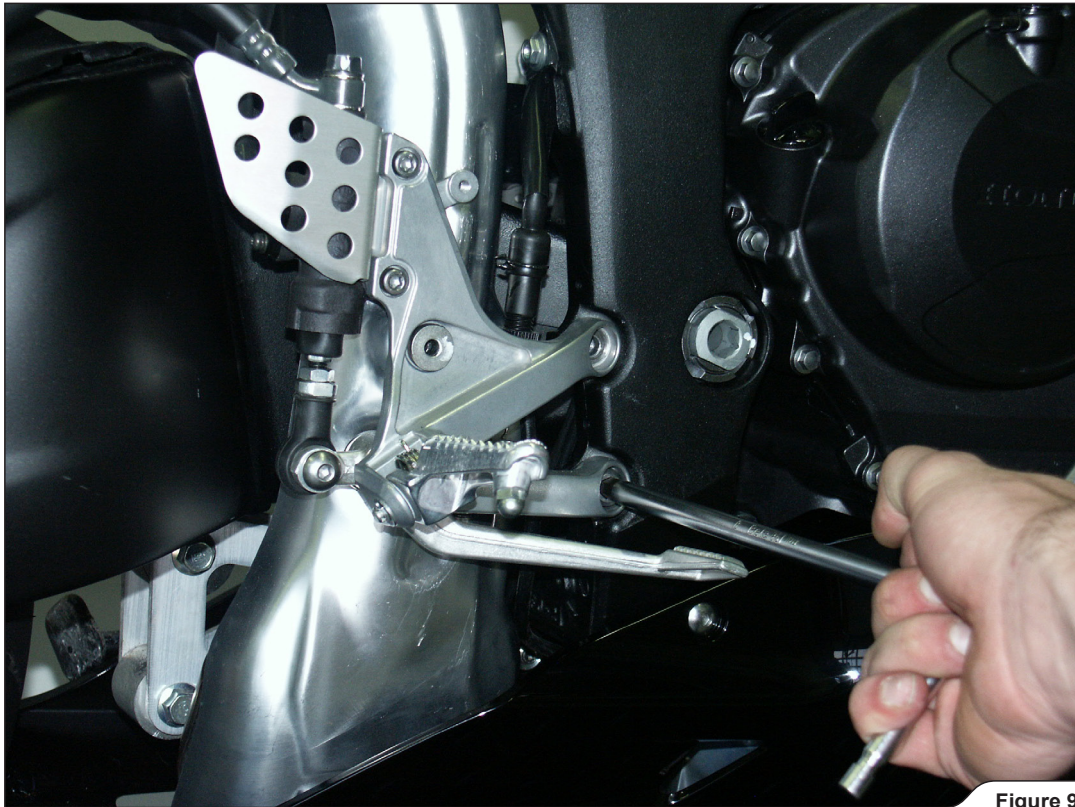


Figure 9



Figure 10



Figure 11

6. Unscrew the bolts from the link-pipe bracket (**Figure 12**), link-pipe/collector joint metal clamp (**Figure 13**) and muffler brackets (**Figure 14**). Remove the muffler with welded link-pipe and stock graphite gasket.



Figure 12

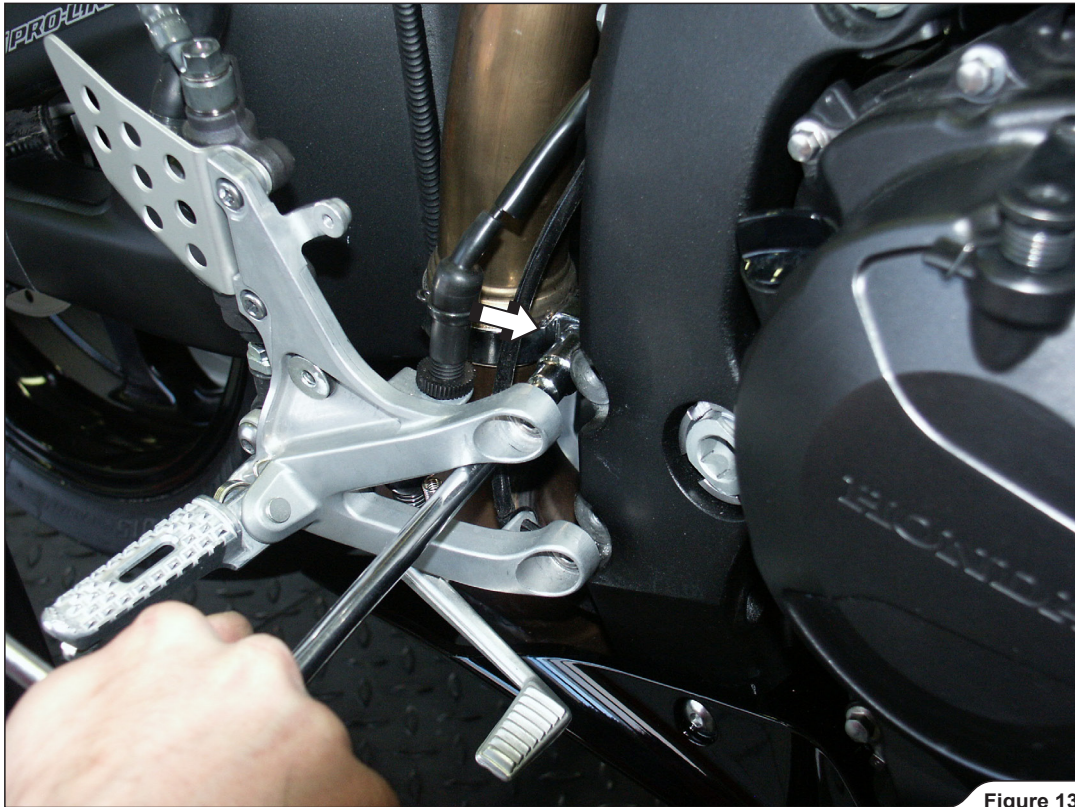


Figure 13



Figure 14

7. Remove the lower and the middle parts of the cowling. Disconnect the electrical leads for the front turn signal lamps (Figure 15, 16, 17, 18).



Figure 15

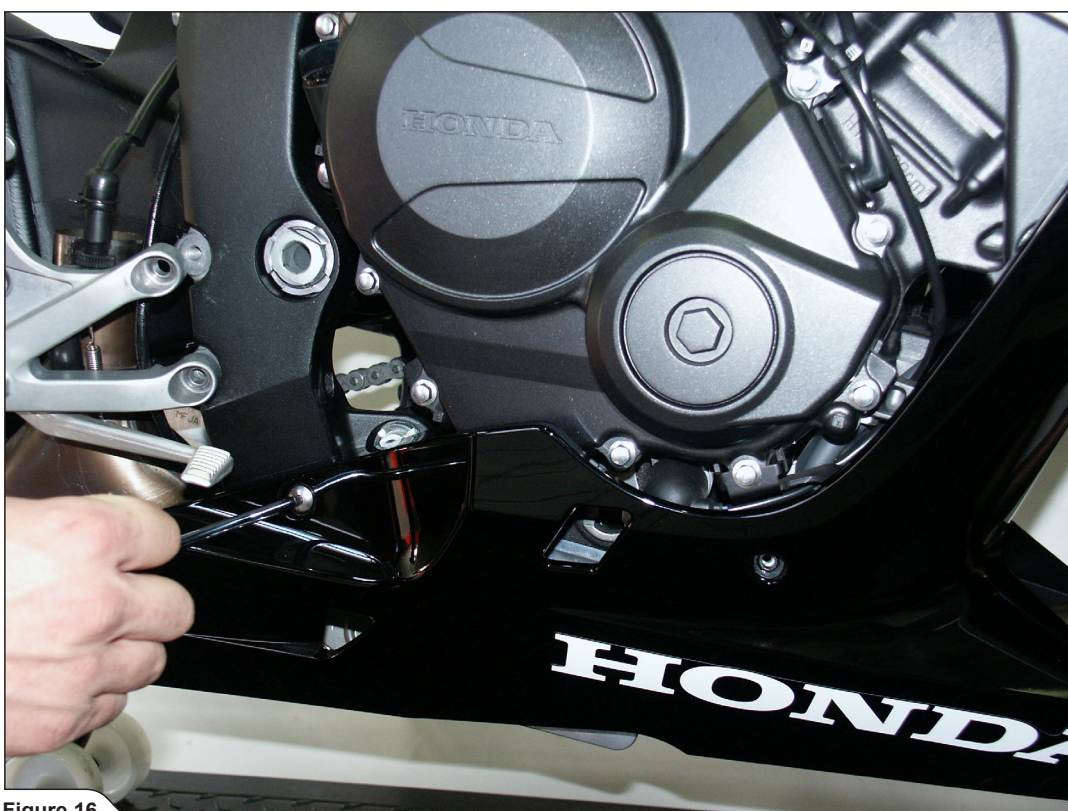


Figure 16



Figure 17



Figure 18

8. Unscrew and remove the lambda sensor (**Figure 19**). Remove the cover of the exhaust valve and servo motor (exup); disconnect and remove the cables on both sides (servo motor an exhaust valve). Reattach the plastic servo motor's cover on it's original position (**Figure 20, 21, 22, 23**).

! **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!**

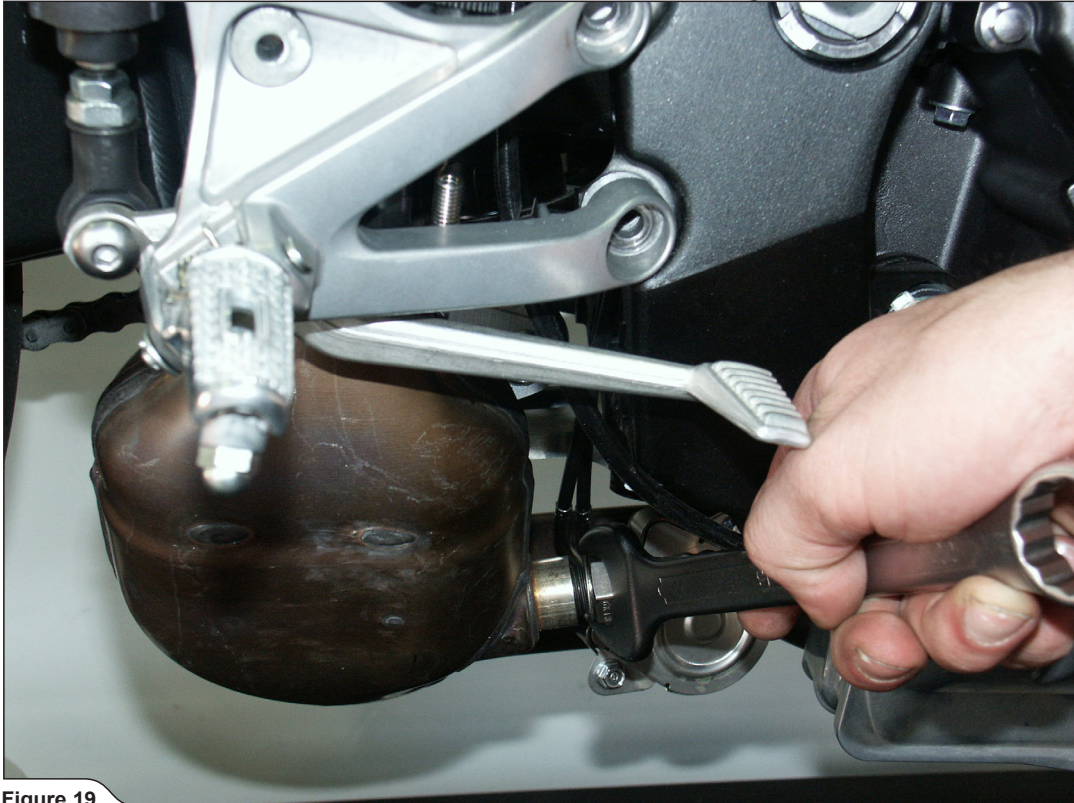


Figure 19

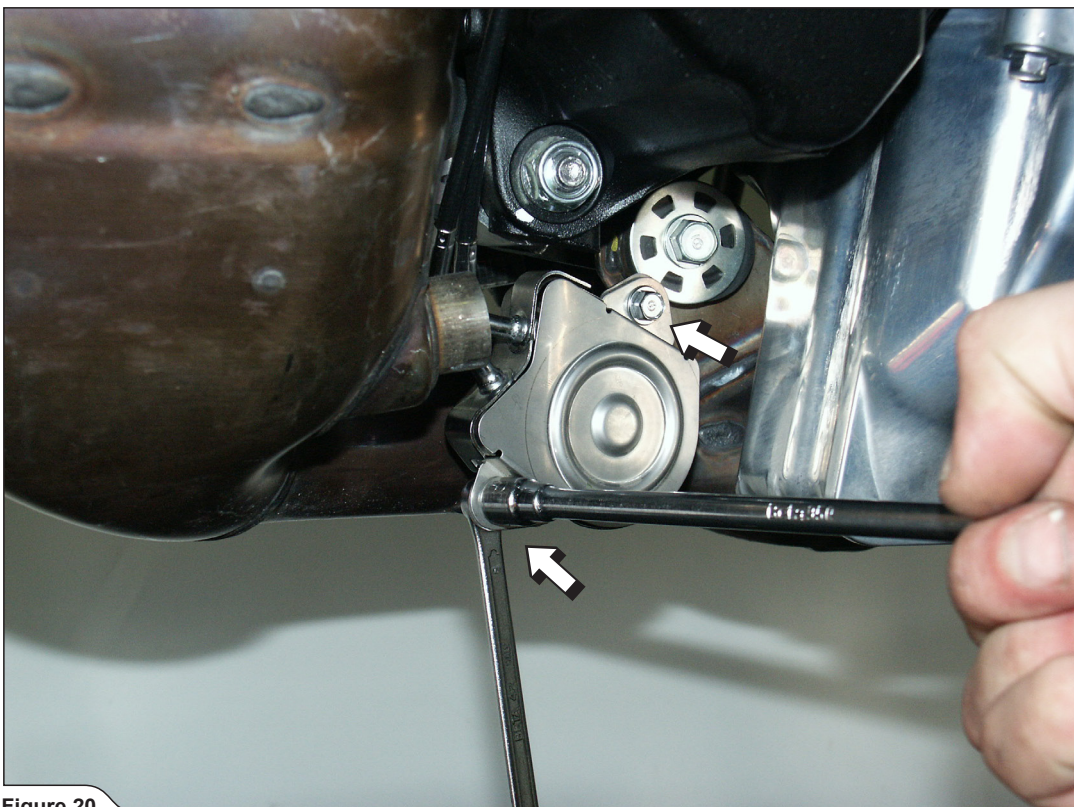


Figure 20

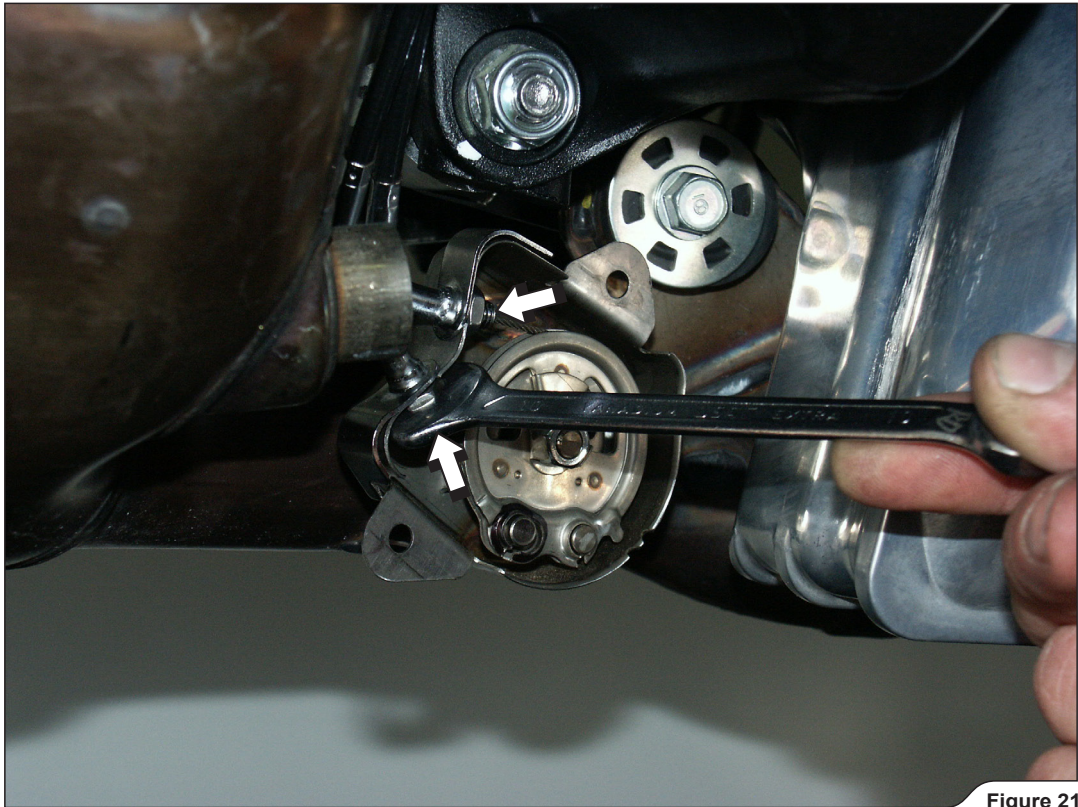


Figure 21

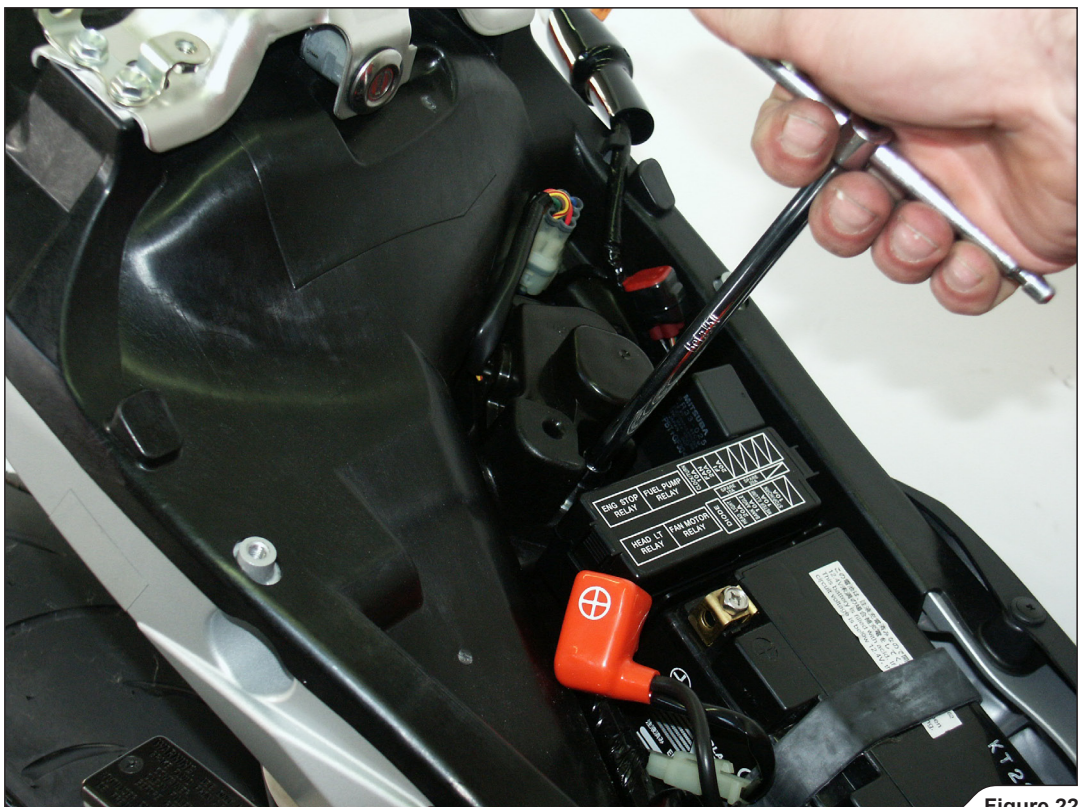


Figure 22



Figure 23

9. Unscrew the bolt from the lower water cooler hanging bracket and slightly remove the cooler. Make sure not to damage the cooling fins of the cooler (**Figure 24**).

! **WARNING:** do not disconnect the cooling system tubes!

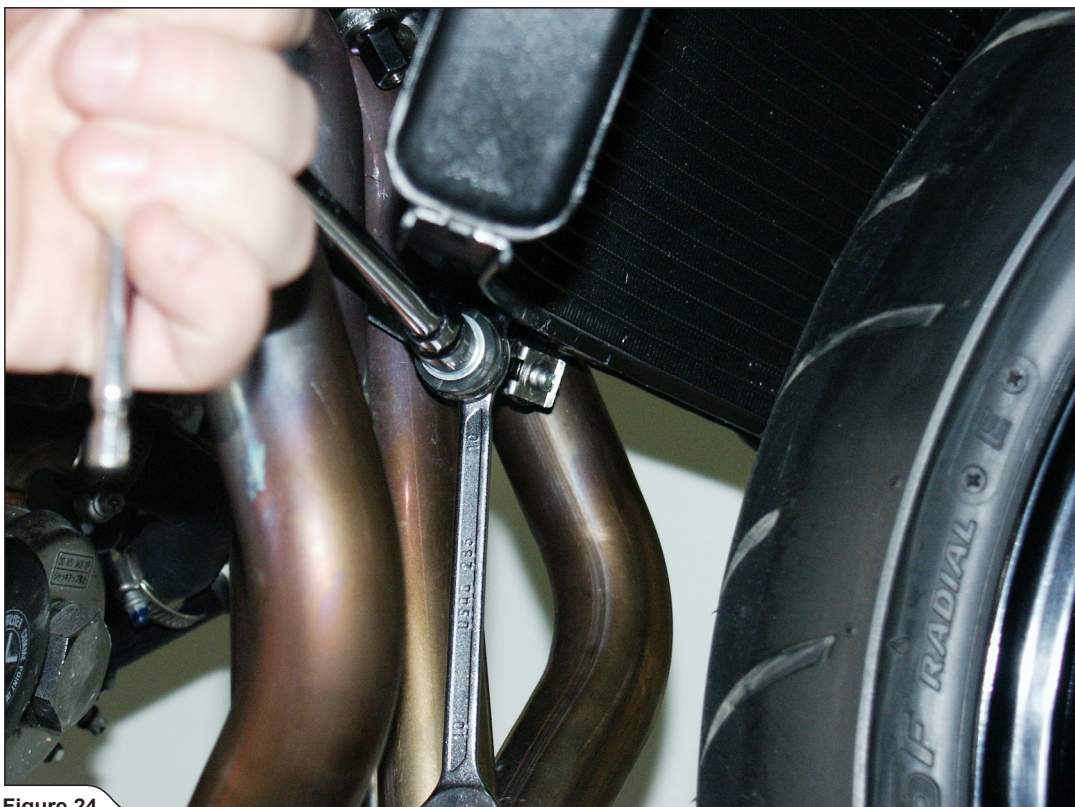


Figure 24

10. Unscrew and remove the nuts from the flanges of the header tubes; make sure not to damage the cooling fins (Figure 25).

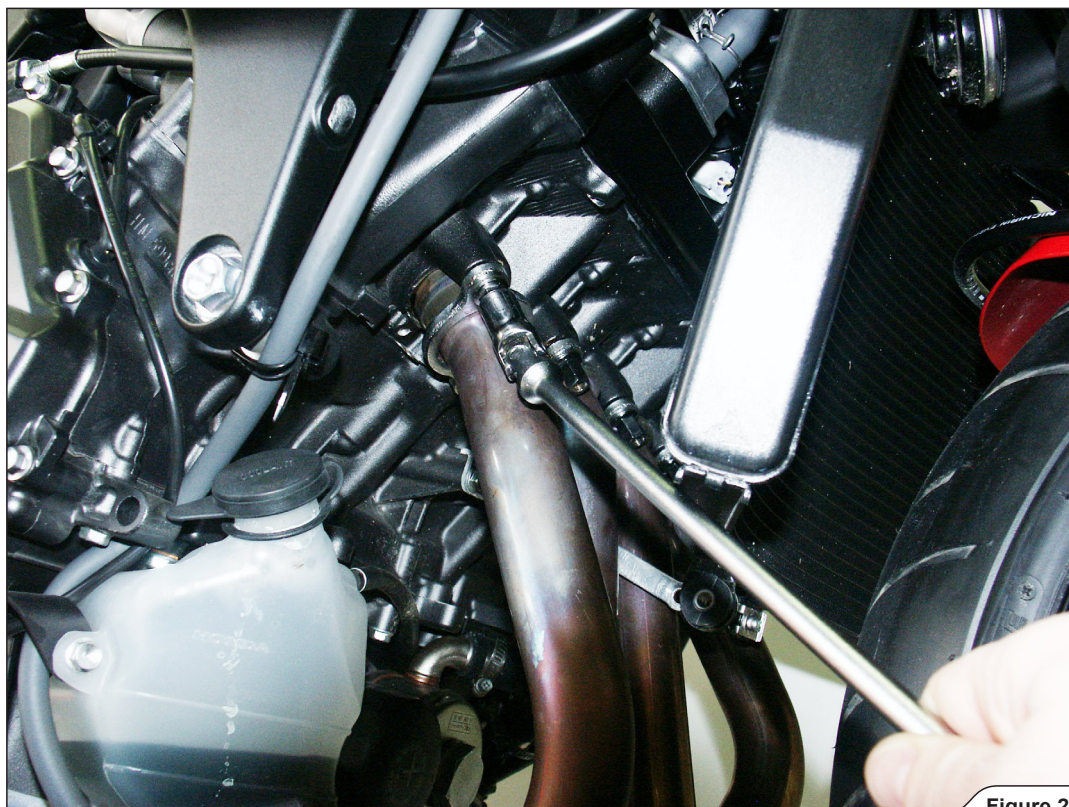


Figure 25

11. Unscrew and remove the bolts from the collector (header assembly) hanging bracket and remove the header assembly; make sure not to damage the cooling fins (Figure 26).



Figure 26

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Set up the sleeves together with the flanges and springs. Make sure that springs are attached into the marked holes. Do not tighten up the flanges (**Figure 27**).

! **WARNING:** make sure not to damage the cooling fins!

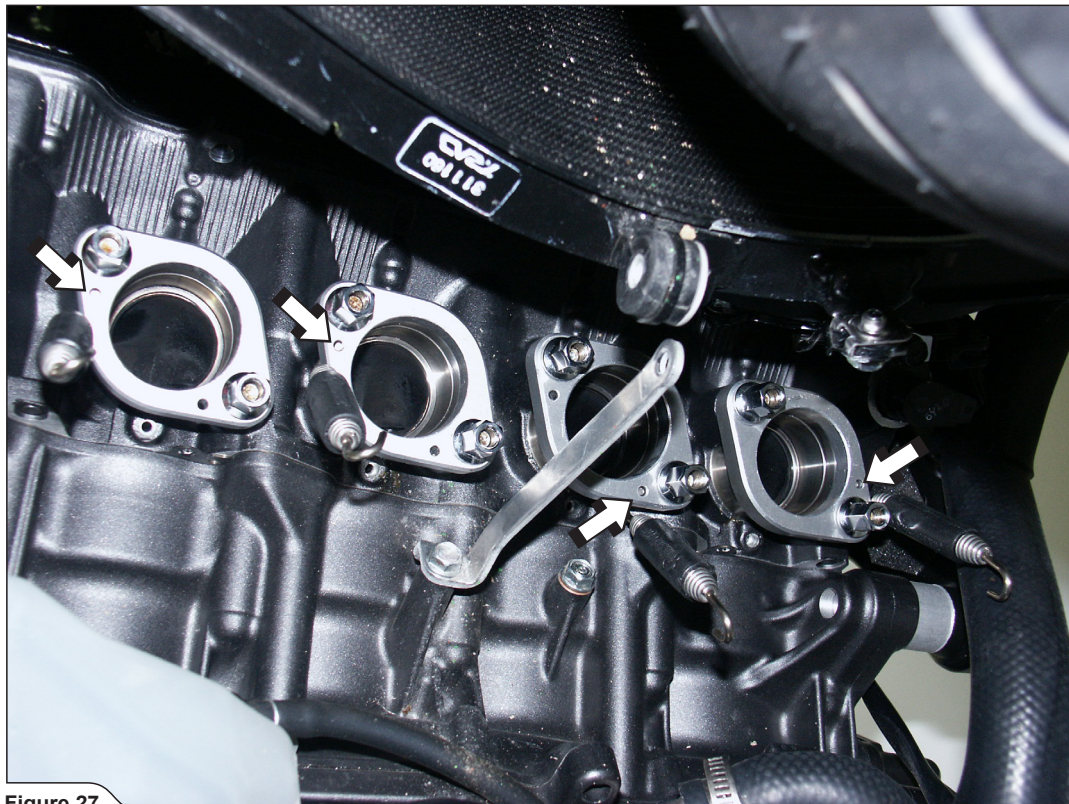


Figure 27

2. Insert the header tubes properly, attach the springs and tighten the flanges; make sure not to damage the cooling fins (**Figure 28**). Reattach the cooler to the bracket; (**Tightening torque for cooler bolt: 9.8Nm / 7ftlb**).

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

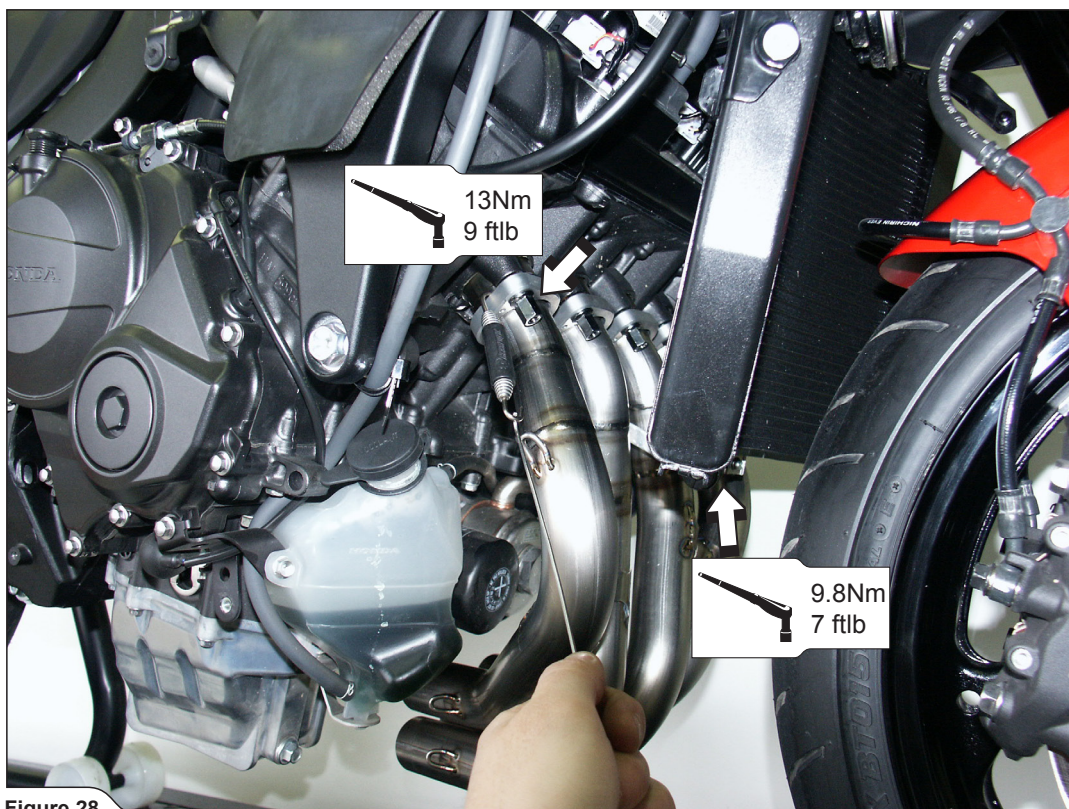


Figure 28

- Slide the collectors onto the header tubes; make sure they are correctly oriented (**Figure 29**). **For Evolution exhaust only:** coat the interior side of the input bushes of the titanium collectors with Akrapovič ceramic anti-seizing grease (white tube).

! 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!

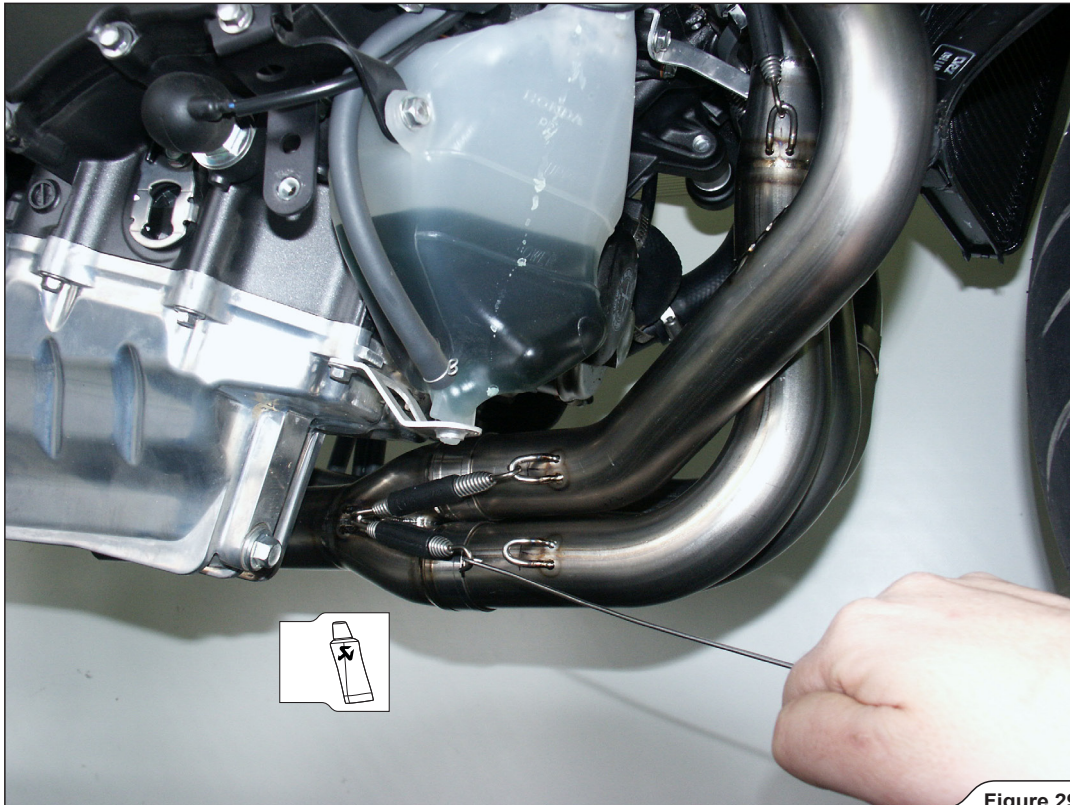


Figure 29

- Slide the link pipe onto the collectors and attach the springs (**Figure 30**). **For Evolution exhaust only:** coat the interior side of the input bushes of the titanium link pipe with Akrapovič ceramic 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!

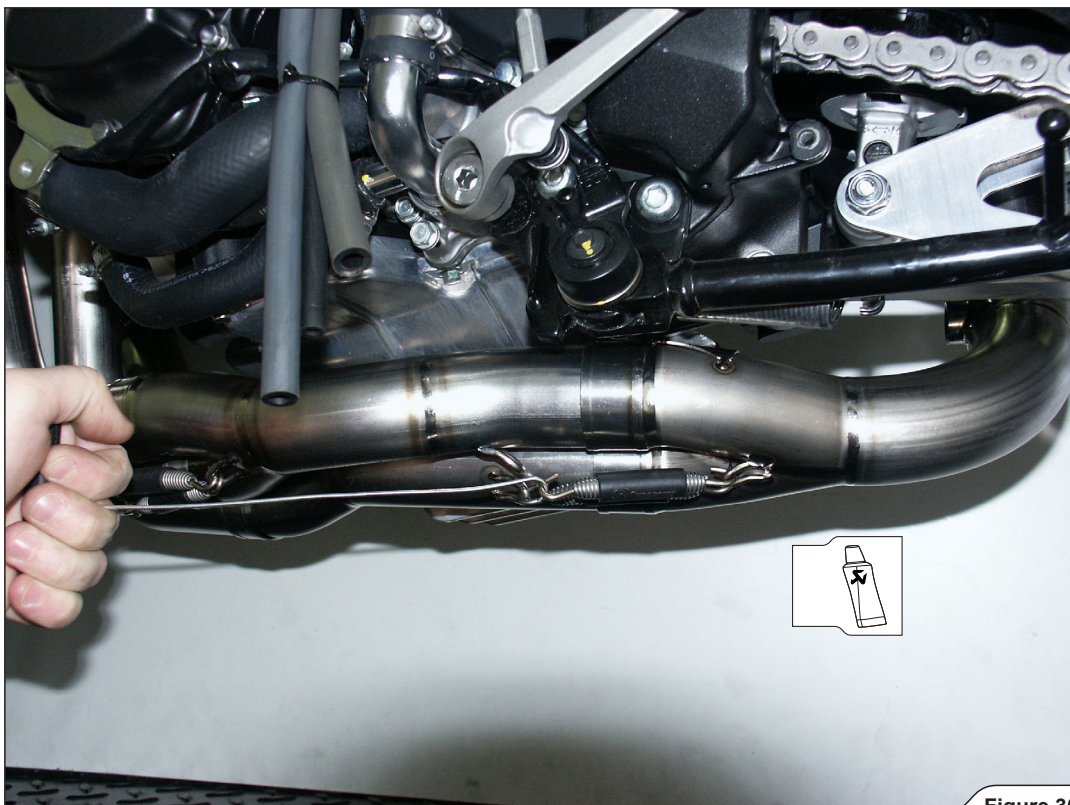


Figure 30

5. Attach the lower and upper link pipe bracket (**Figure 31, 32**). Make sure the link pipe is not touching the frame and other parts. Tighten the lambda sensor. Make sure not to damage the sensor's electrical lead (**Figure 33**).

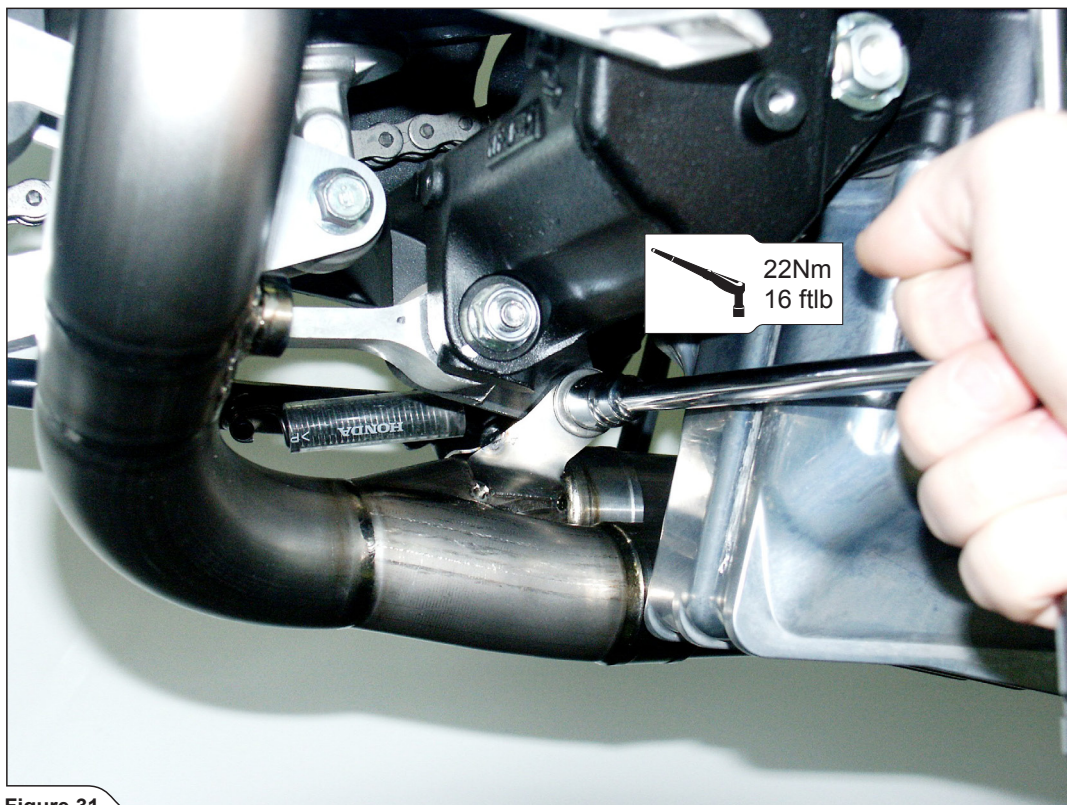


Figure 31

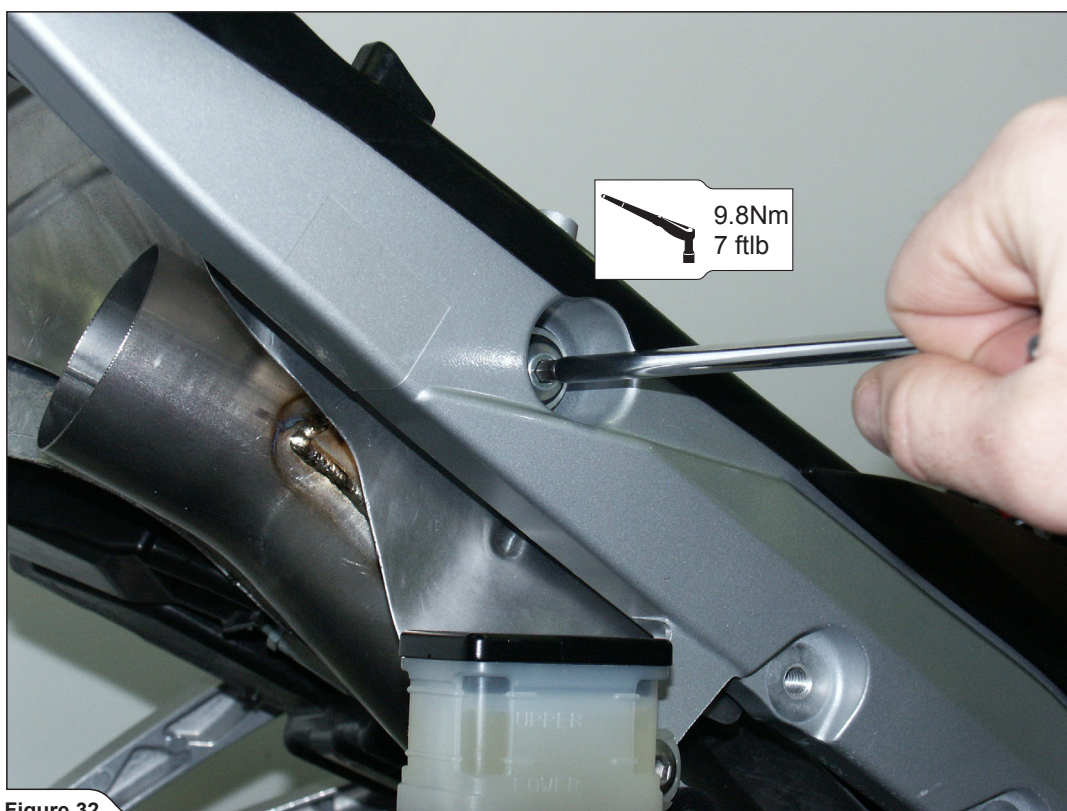


Figure 32

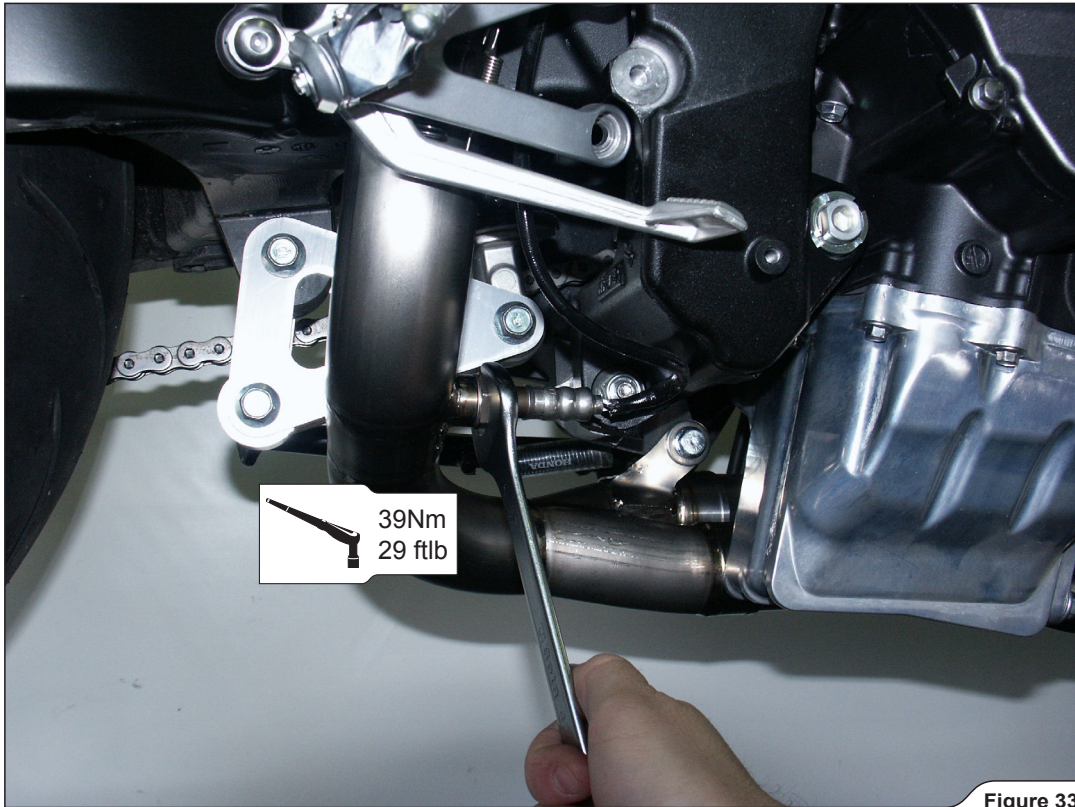


Figure 33

6. Attach the stock aluminium heat shield, rider's and passenger's footrests and plastic heat shield cover in the reverse order from the order in which they were removed (Figure 34, 35, 36).

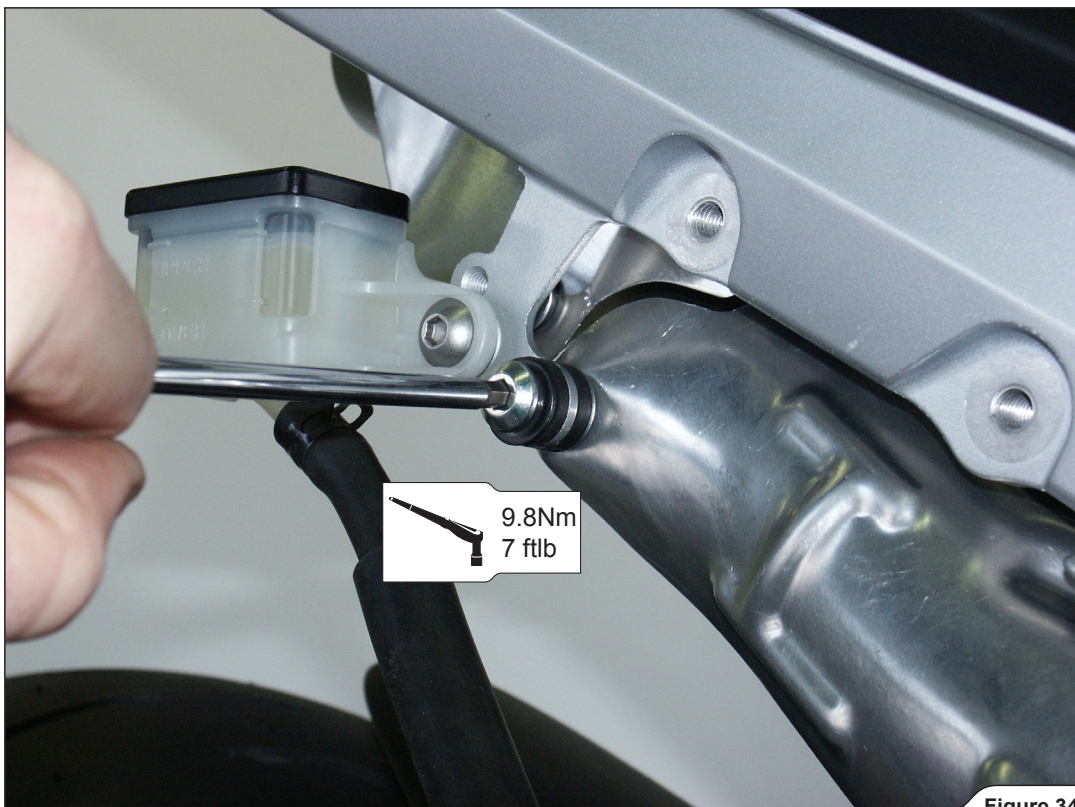


Figure 34

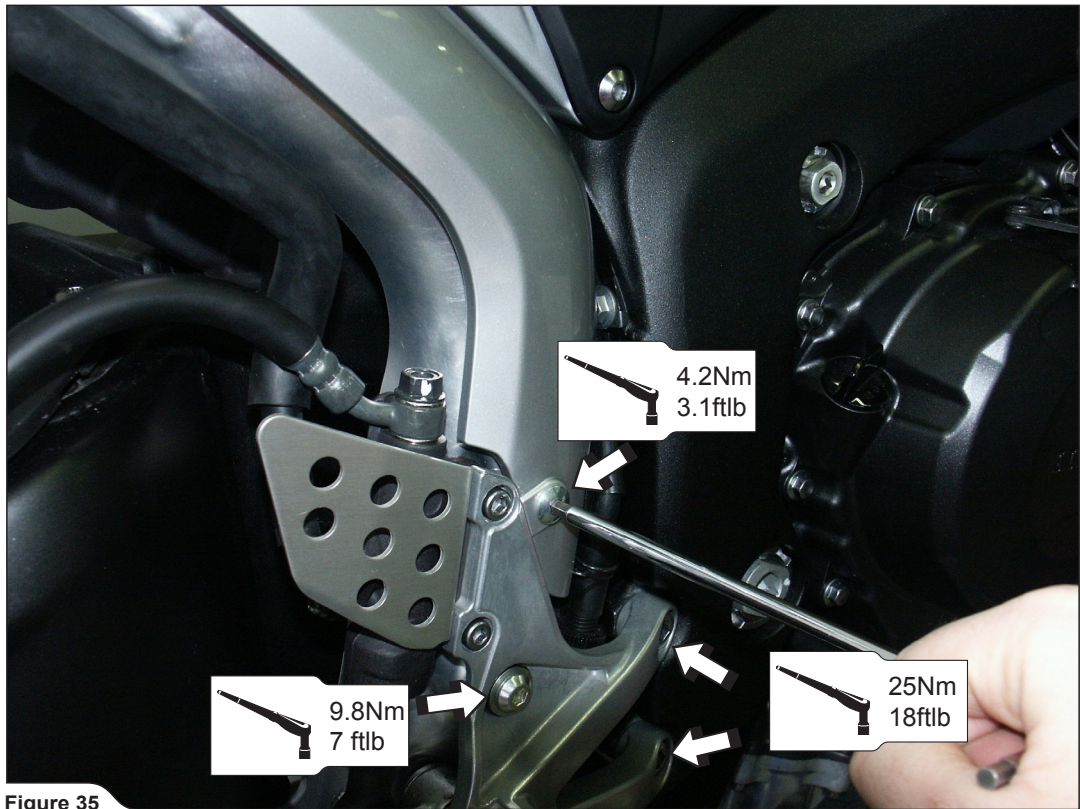


Figure 35

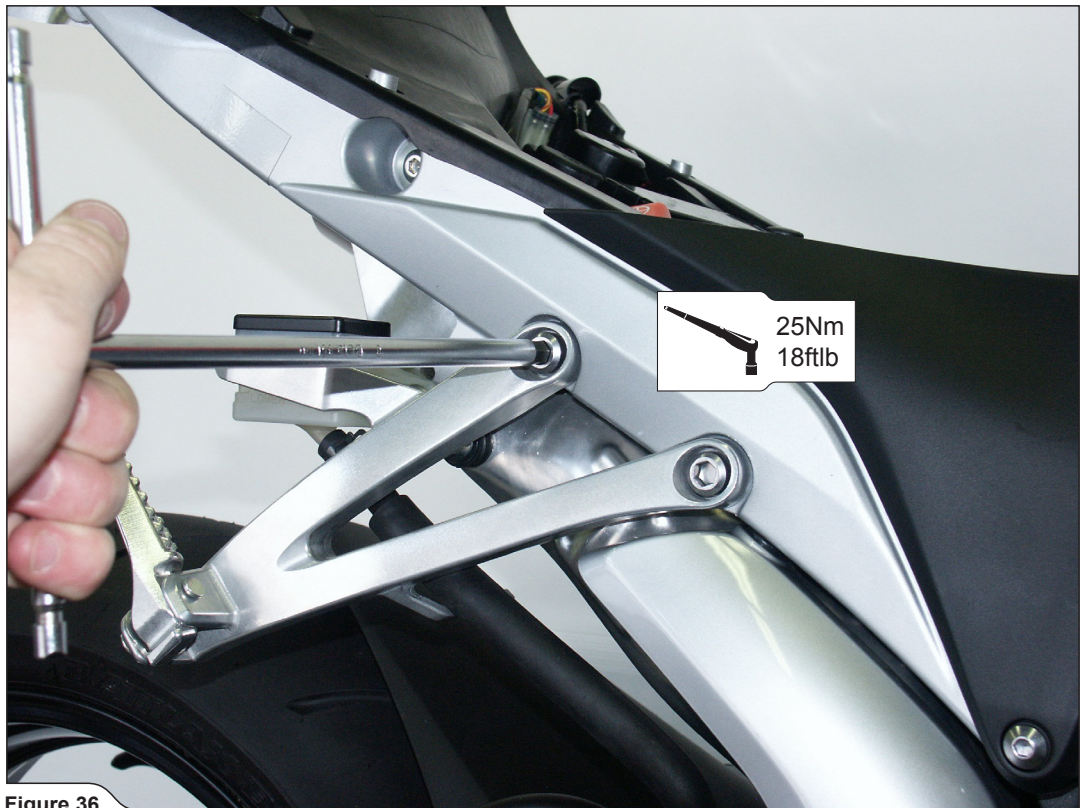


Figure 36

7. Attach the upper part of Akrapovič carbon-fiber clamp onto the subframe. Use stock bolts (Figure 37, 38).
- ✘ Bend the stock aluminium heat shield upwards by 2-5mm (or just enough that shield does not touch the Akrapovič muffler!) (Figure 39).



Figure 37

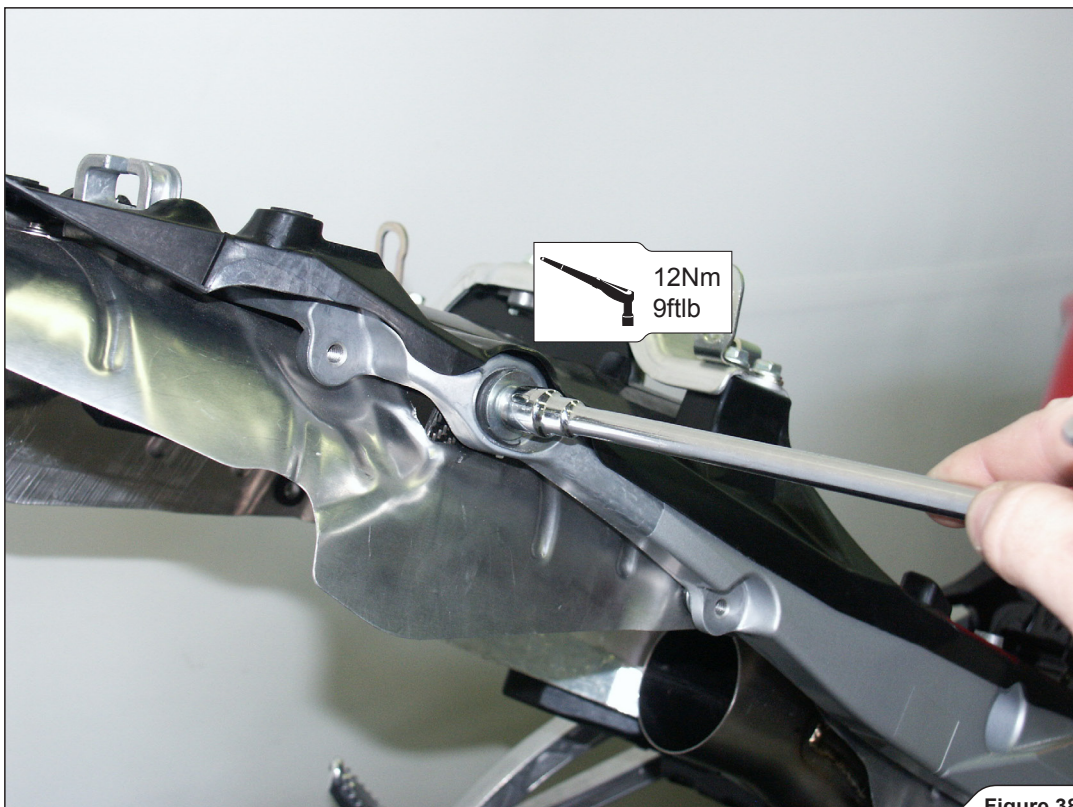


Figure 38



Figure 39

8. Position the muffler correctly and slide it onto the outlet side of the link pipe (Figure 40). For optional titanium independent link pipe only: coat the interior side of the input of the muffler with Akrapovič ceramic anti-seizing grease (white tube).
! **WARNING:** make sure, that springs pull the muffler all the way onto the link pipe – use rubber mallet if necessary to tap the connections into place!

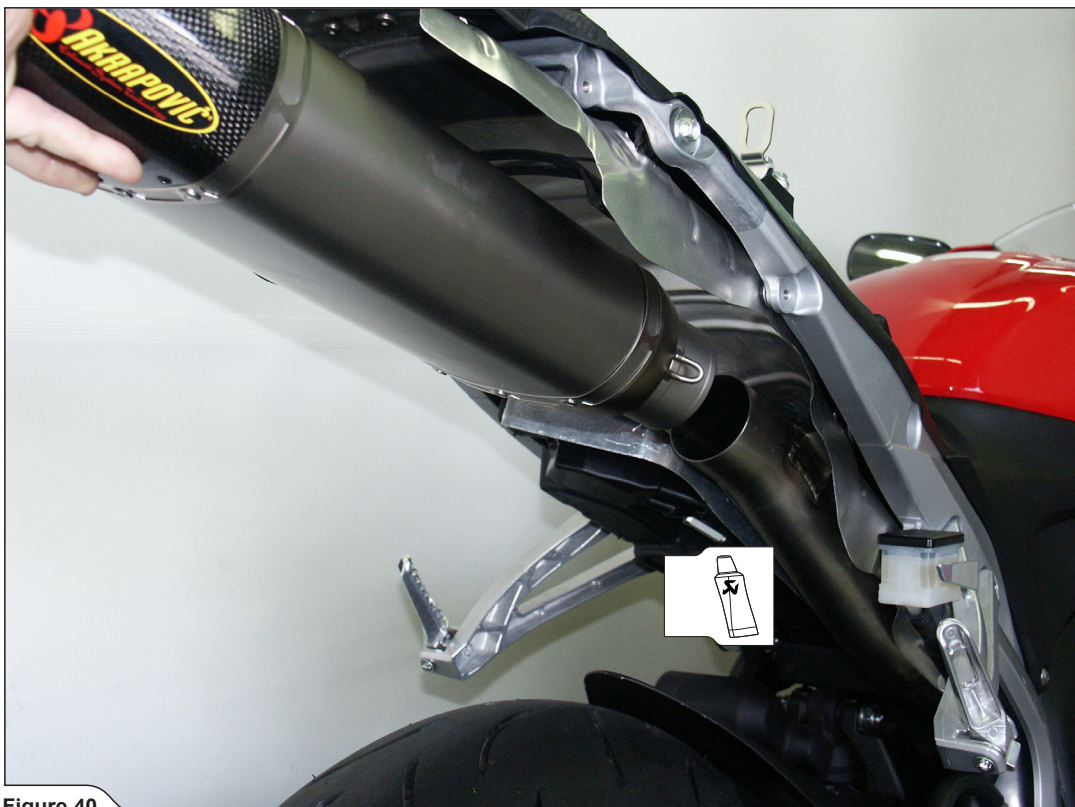


Figure 40

9. Position and attach the spring (**Figure 41**). Tighten the lower part of the Akrapovič carbon-fiber muffler clamp (**Figure 42**).



Figure 41



Figure 42

10. Attach the licence plate holder with rear light and turn signal lamps (connect the electrical leads), passenger's and rider's seat and seat cowling (tightening torque 9.8 Nm / 7 ftlb) in the reverse order from the order in which they were removed (Figure 43, 44, 45, 46, 47).

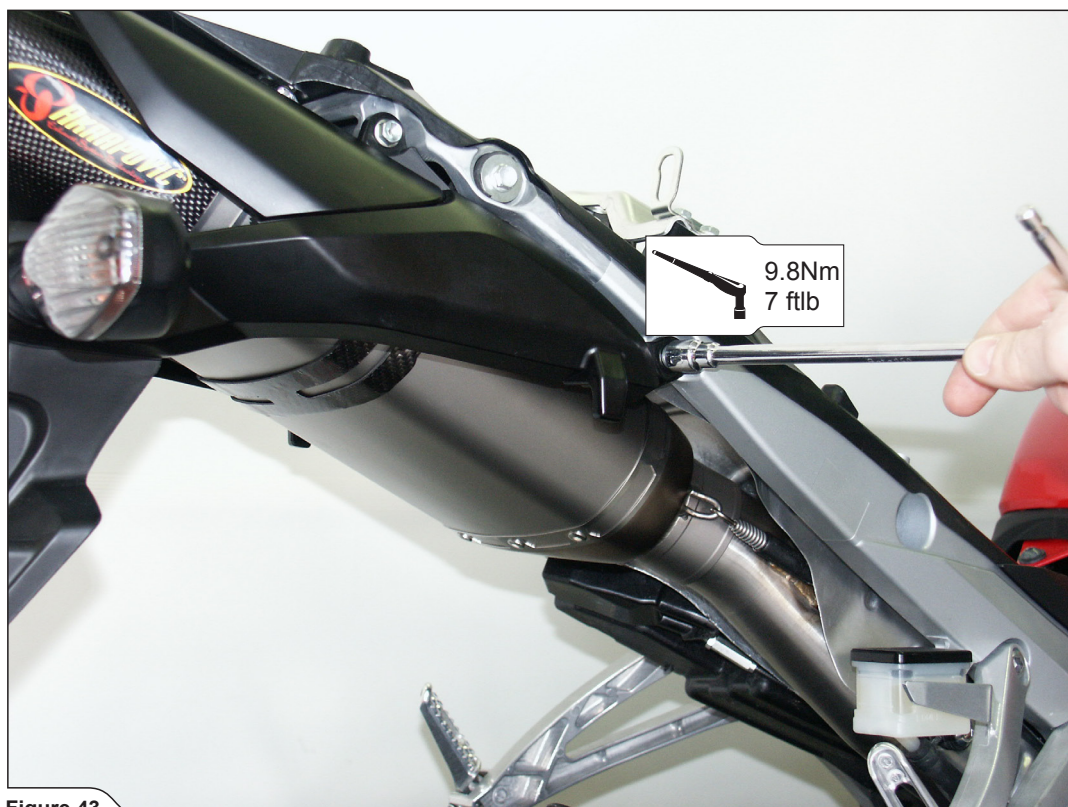


Figure 43



Figure 44





Figure 47

11. Reinstall all cowlings in the reverse order from the order in which they were removed (Figure 48, 49, 50).



Figure 48

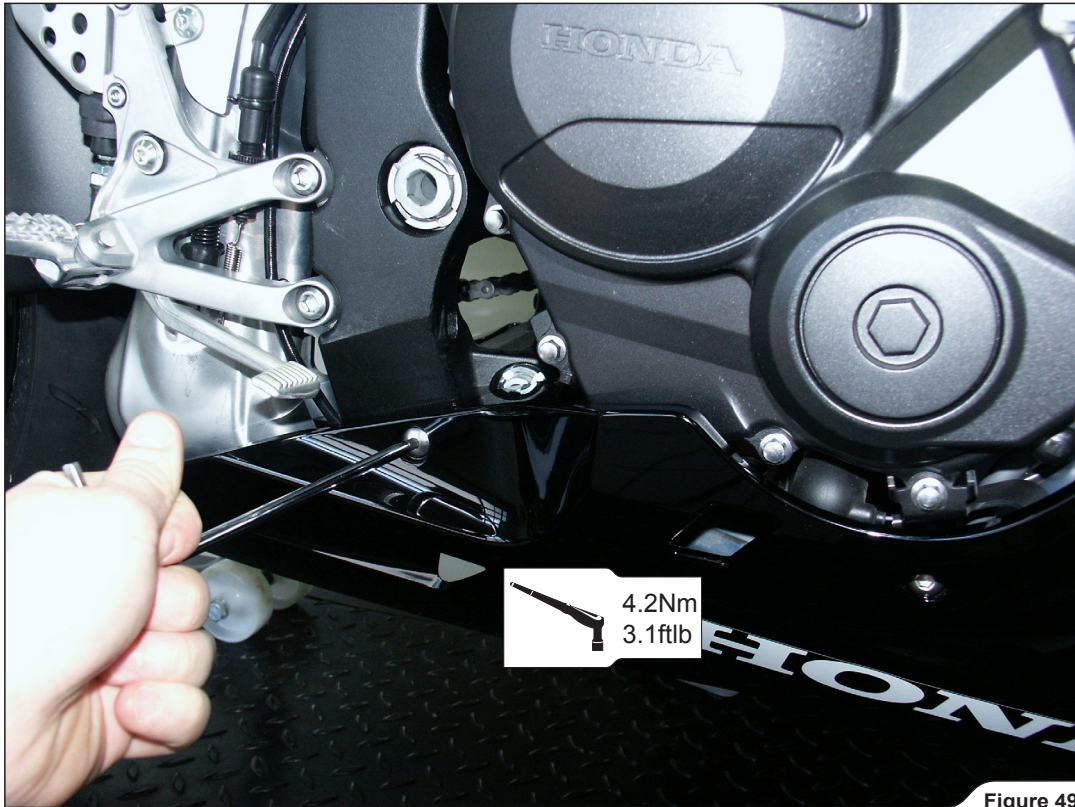


Figure 49

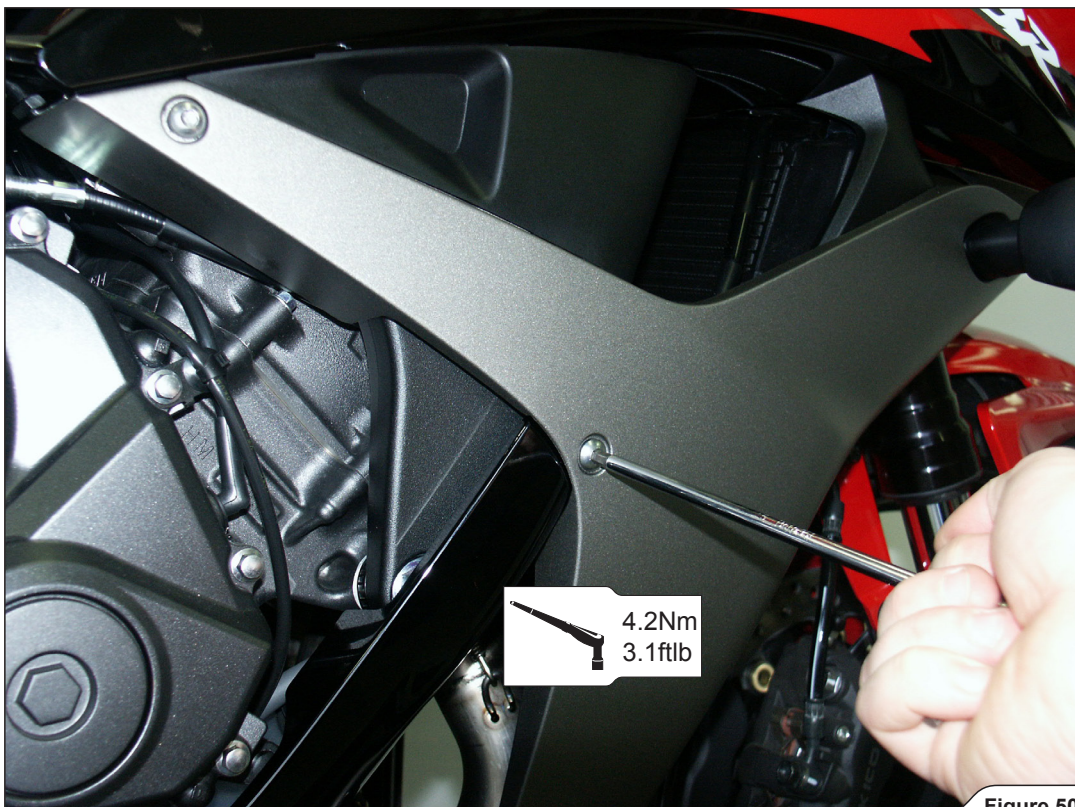


Figure 50

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.”

