Installation instructions

Akrapovič Exhaust Systems
Racing
for the
Suzuki GSX-R 600
Suzuki GSX-R 750

503104

www.akrapovic.com

Congratulations on purchasing an Akrapovič exhaust system. Please read these installation instructions carefully. If you have any trouble installing the system please contact your authorized dealer!

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.

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.**

T-handle 7 mm wrench
T-handle 12 mm wrench
T-handle 10 mm swiveling wrench
T-handle 4 mm three hexagon key wrench
T-handle 5 mm swiveling three hexagon key wrench
T-handle 6 mm swiveling three hexagon key wrench
Combination 12 mm wrench
Combination 17 mm wrench
Screwdriver for slotted head - small
Screwdriver - cross head
Spring puller
Rubber mallet

BEFORE INSTALLING, CHECK SCHEMATIC OF THE EXHAUST SYSTEM!

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 ORIGINAL EXHAUST SYSTEM:

1. Put the motorcycle on a side stand, we recommend a racing stand. Make sure, that surface is solid and flat.
2. Unscrew the marked bolt and remove the original heat shield **(Figure 1).**

Figure 1

3. Untighten the marked clamp **(Figure 2).**

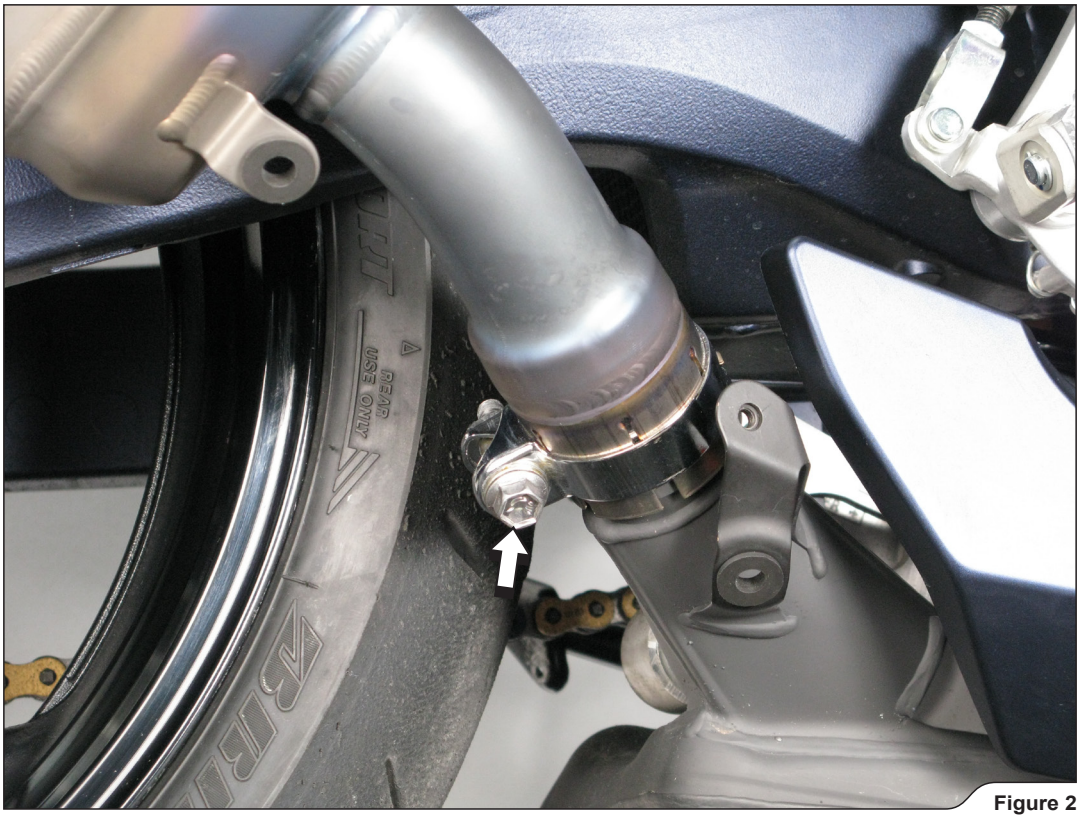


Figure 2

4. Unscrew the marked muffler bracket bolt and remove the original muffler of the motorcycle **(Figure 3).**

Figure 3

5. Remove the marked plastic fasteners from the left and right side of the fairing **(Figure 4, 5, 6, 7).**

Figure 4

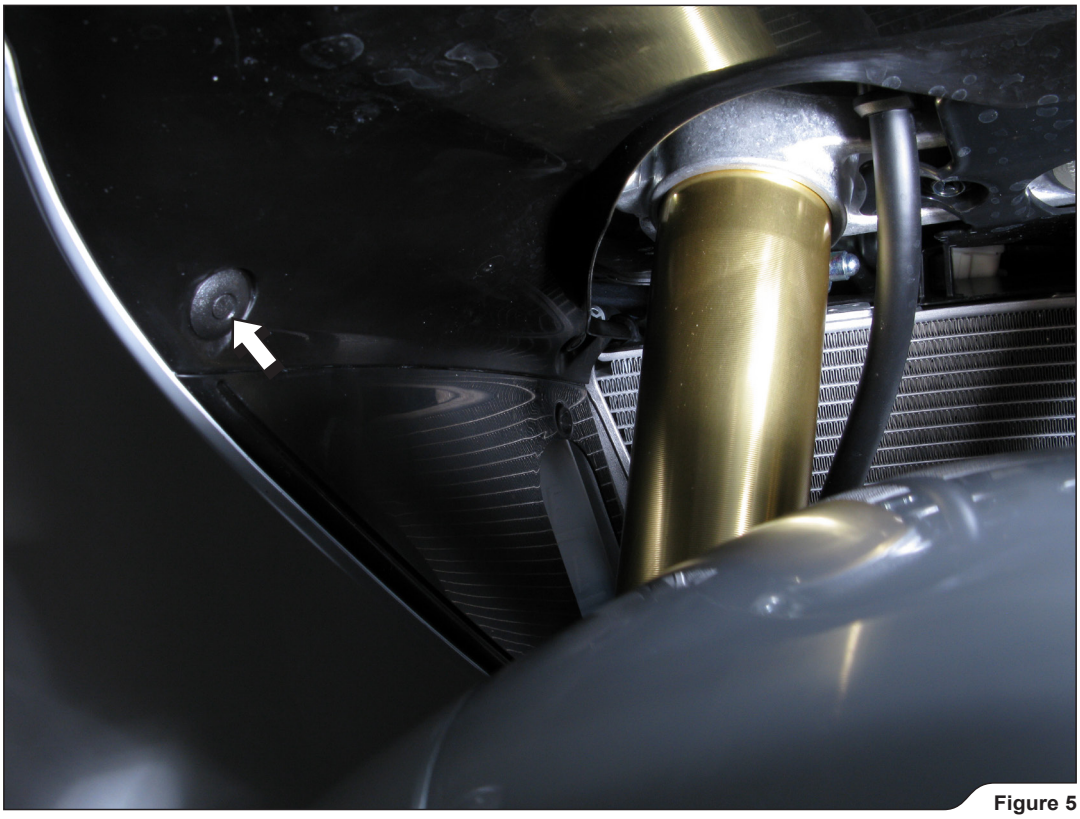


Figure 5

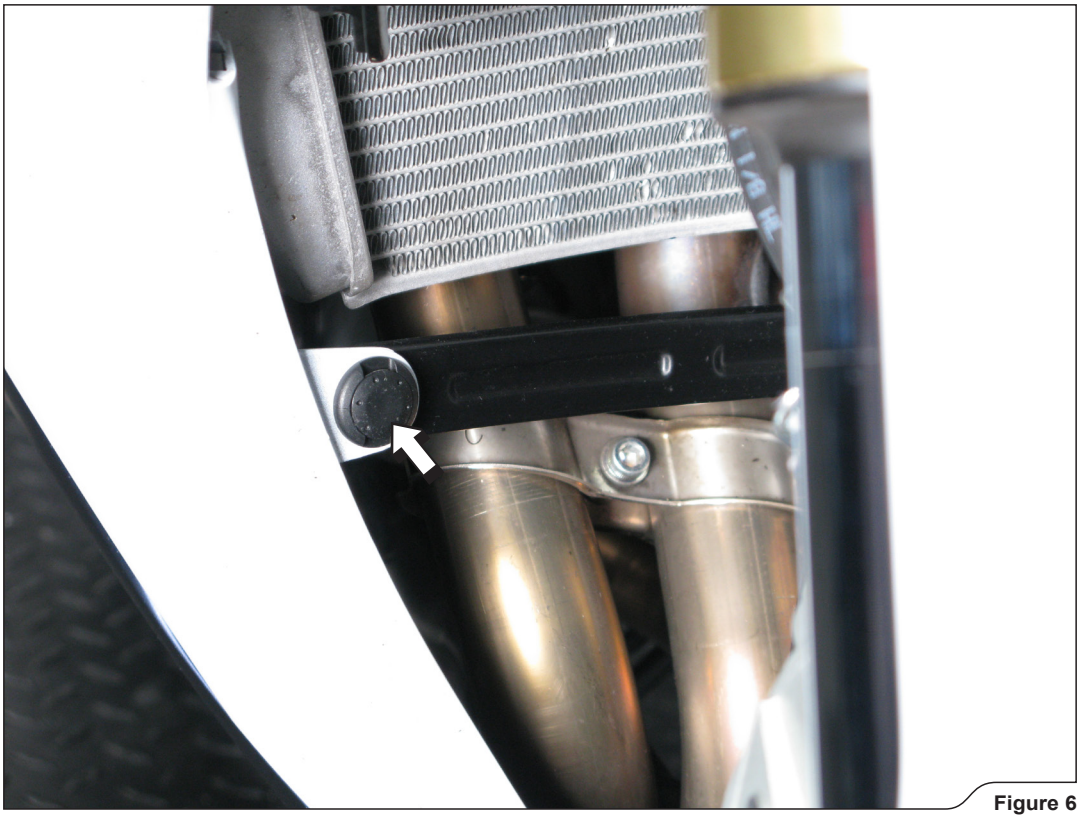


Figure 6

Figure 7

6. Unscrew the marked bolts and remove the left and right fairing **(Figure 8, 9).**

Figure 8

Figure 9

7. Remove the side panel from both side of the fuel tank **(Figure 10).**

Figure 10

8. Unscrew the marked bolt on both sides of motorcycle, and remove the rider's seat **(Figure 11).**

Figure 11

9. Unscrew the marked bolts, lift and secure the fuel tank **(Figure 12, 13).**

! **WARNING: make sure, that you secure the fuel tank correctly, or you risk injury!**

Figure 12

Figure 13

10. Unscrew the exhaust valve cables' bracket and remove the cables from the valve wheel **(Figure 14).**

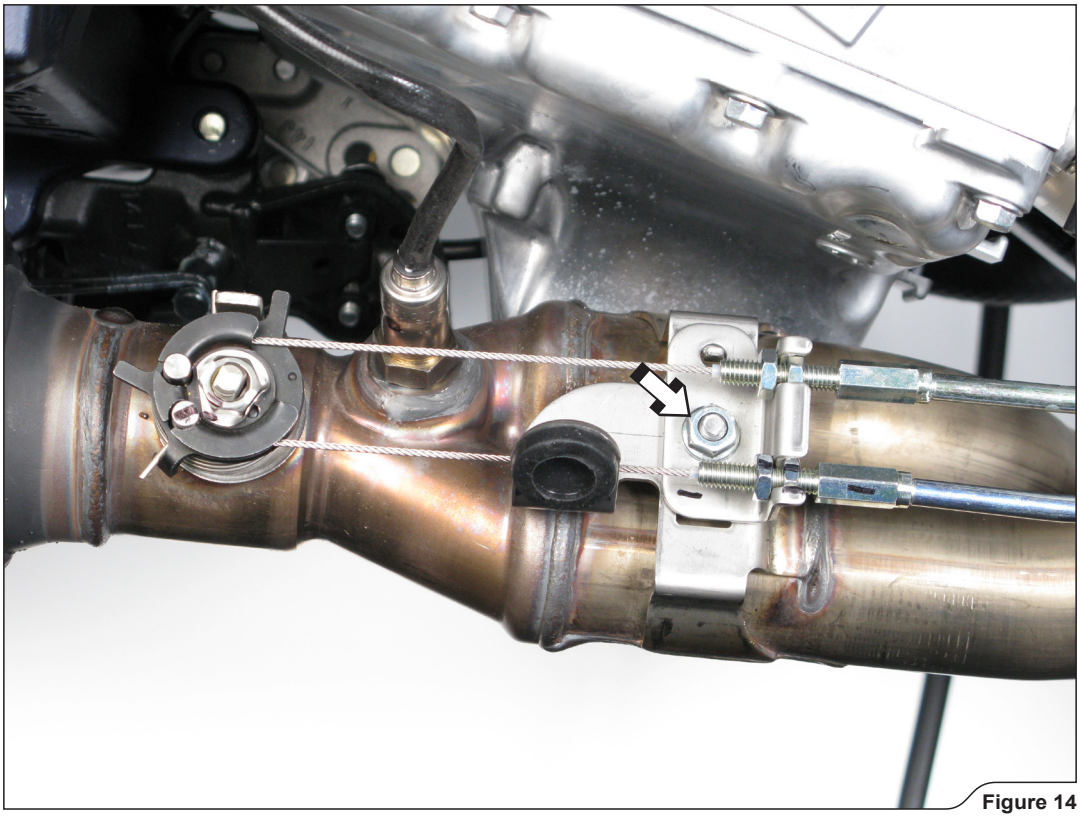


Figure 14

11. Unscrew the lambda sensor **(Figure 15).**

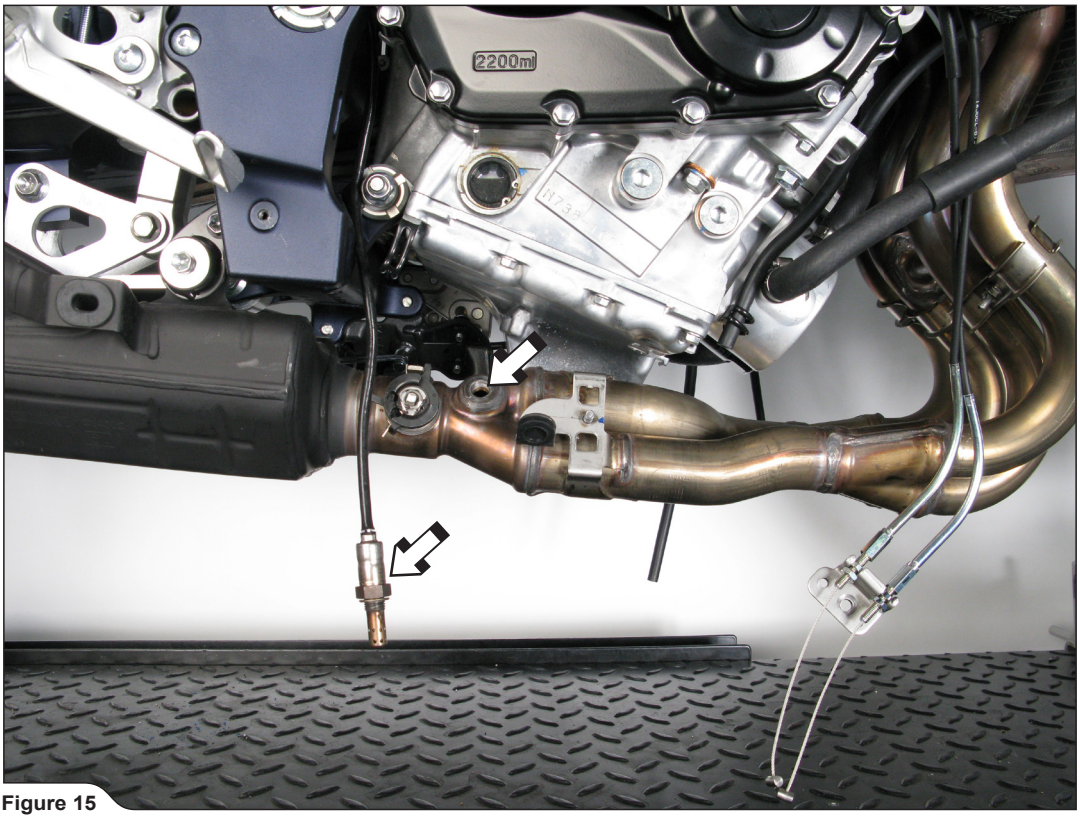


Figure 15

12. Unscrew and partly remove the servo motor **(Figure 16).**

! **WARNING: do not disconnect the servo motor's electrical connector!**

Figure 16

13. Undo the safety pin, remove the exhaust valve cables of the servo motor and completely remove the cables off the motorcycle. Unscrew and remove the control wheel **(Figure 17).**

! **WARNING: do not turn the servo motor wheel with force or the servo motor could be damaged. Use pliers to retain the axle while untightening the limiter!**

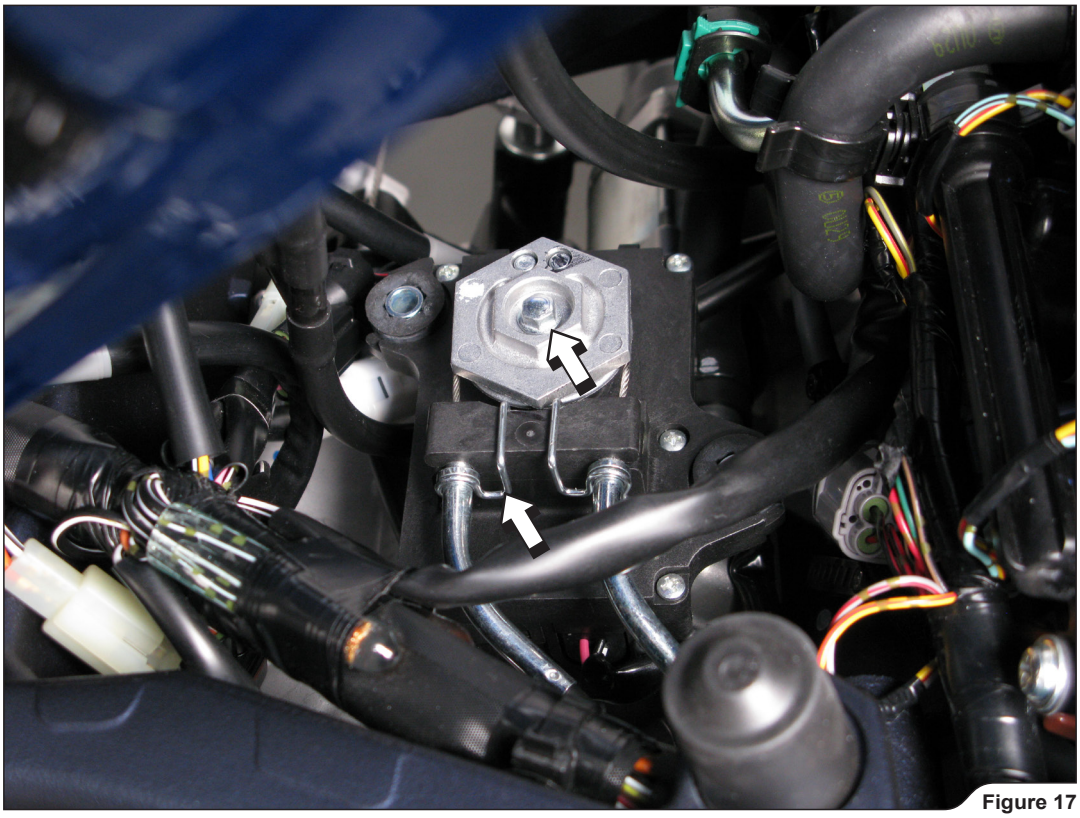


Figure 17

14. Unscrew the radiator's bracket and partially shift the radiator **(Figure 18).**

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

Figure 18

15. Unscrew all eight flange bolts **(Figure 19).**

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

Figure 19

16. Unscrew the marked collector bracket bolts and remove the original exhaust system off the motorcycle **(Figure 20, 21).**

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

! **WARNING: support the original exhaust during this procedure or it may fall of and damage you or the motorcycle!**

Figure 20

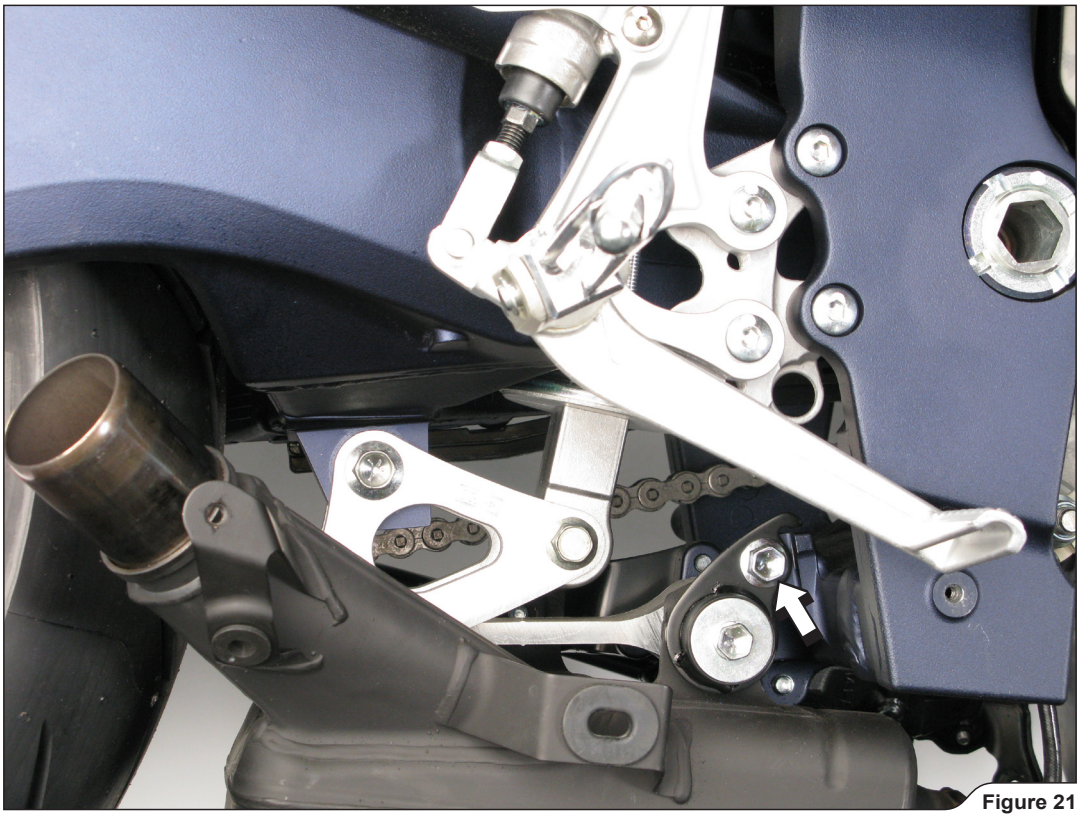


Figure 21

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. Correctly position and install the Akrapovič servo motor rotation limiter, as shown and screw the servo motor on its place with the original bolts **(Figure 22, 23).**

! **WARNING: do not over tighten the bolt - you can damage the axle and rotation ability of the servo motor. Use pliers to retain the axle while tightening the limiter!**

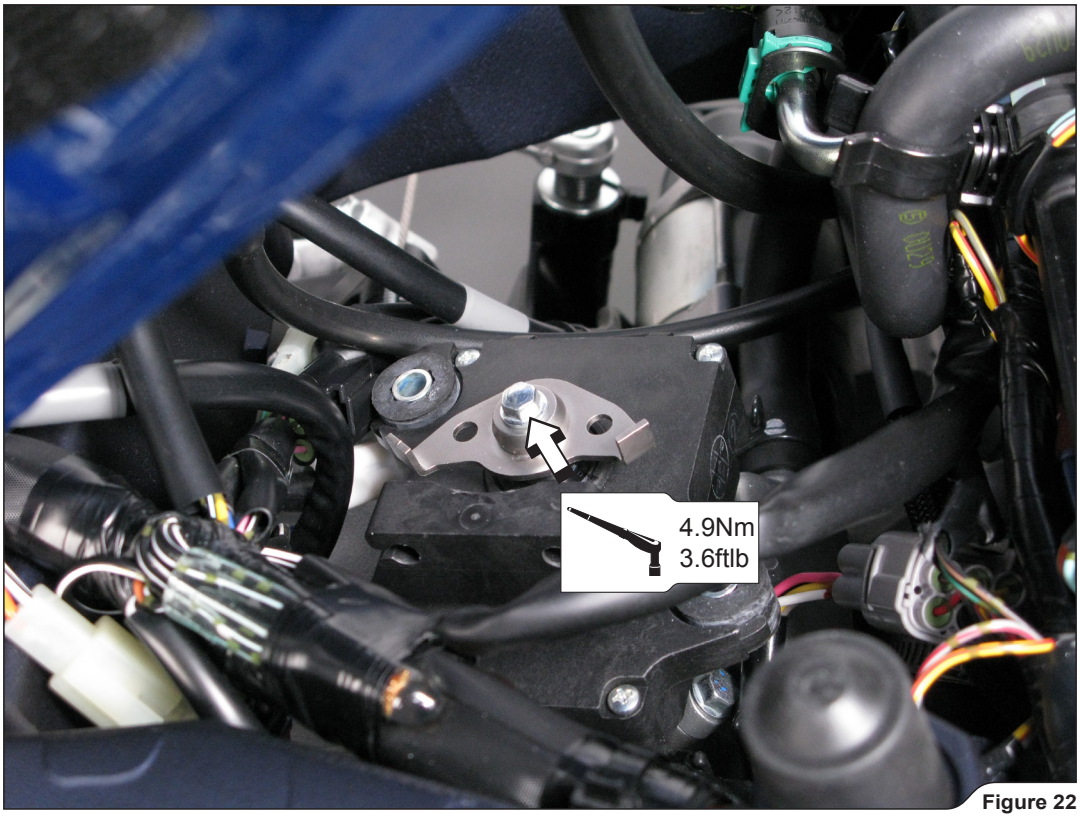


Figure 22

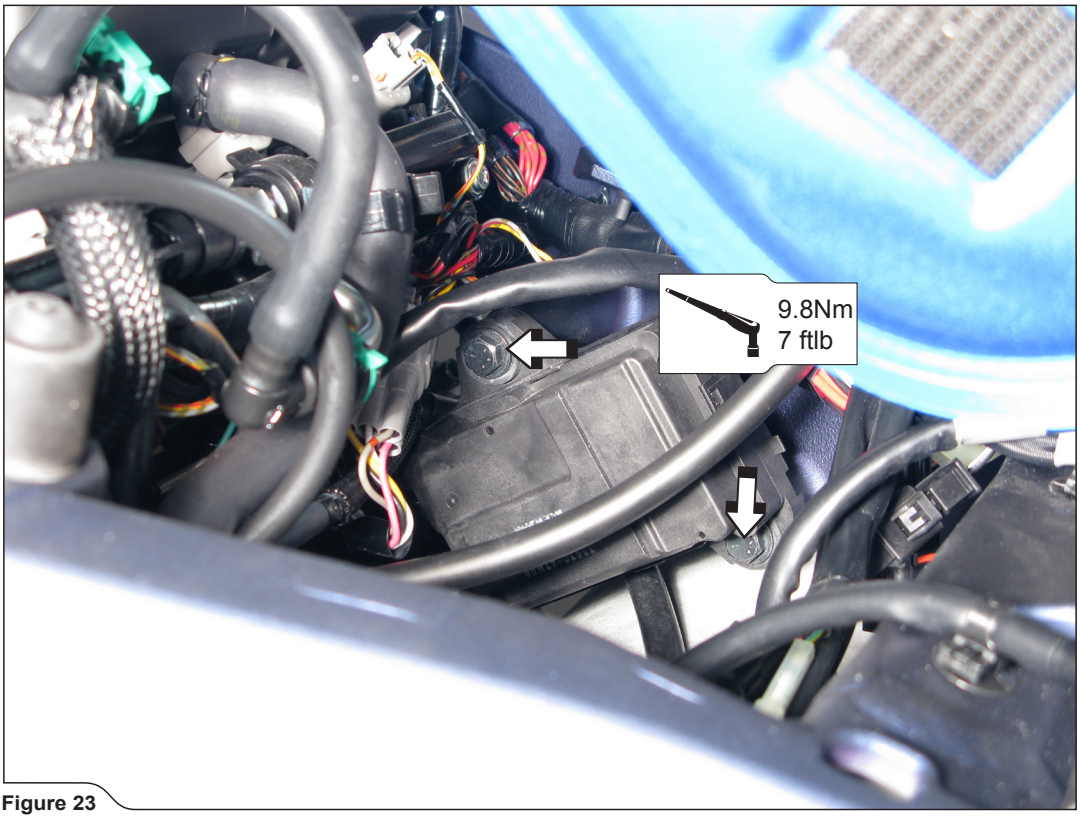


Figure 23

2. Set up the sleeves together with the flanges and springs. Hand tighten the flanges using stock bolts; make sure they are correctly oriented **(Figure 24, 25).**

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

Figure 24

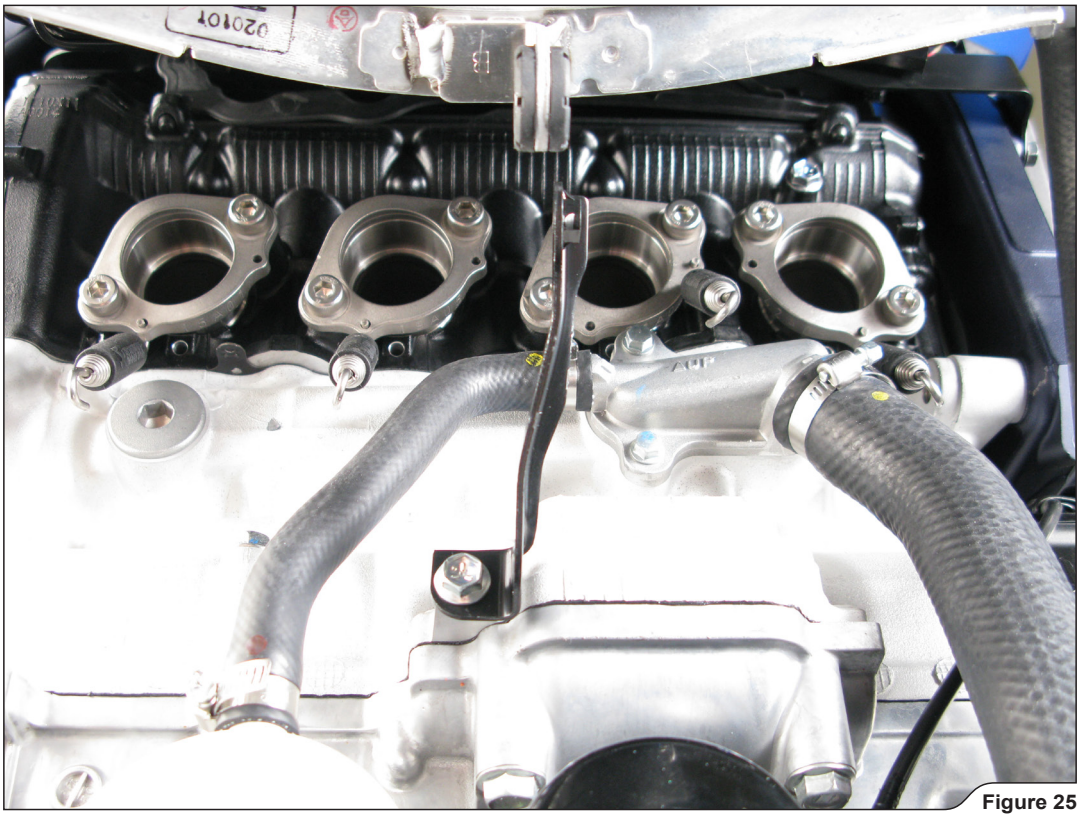


Figure 25

3. Insert the header tubes properly all the way into the sleeves, attach the springs and tighten the flanges to a specified torque **(Figure 26).**

! **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!**

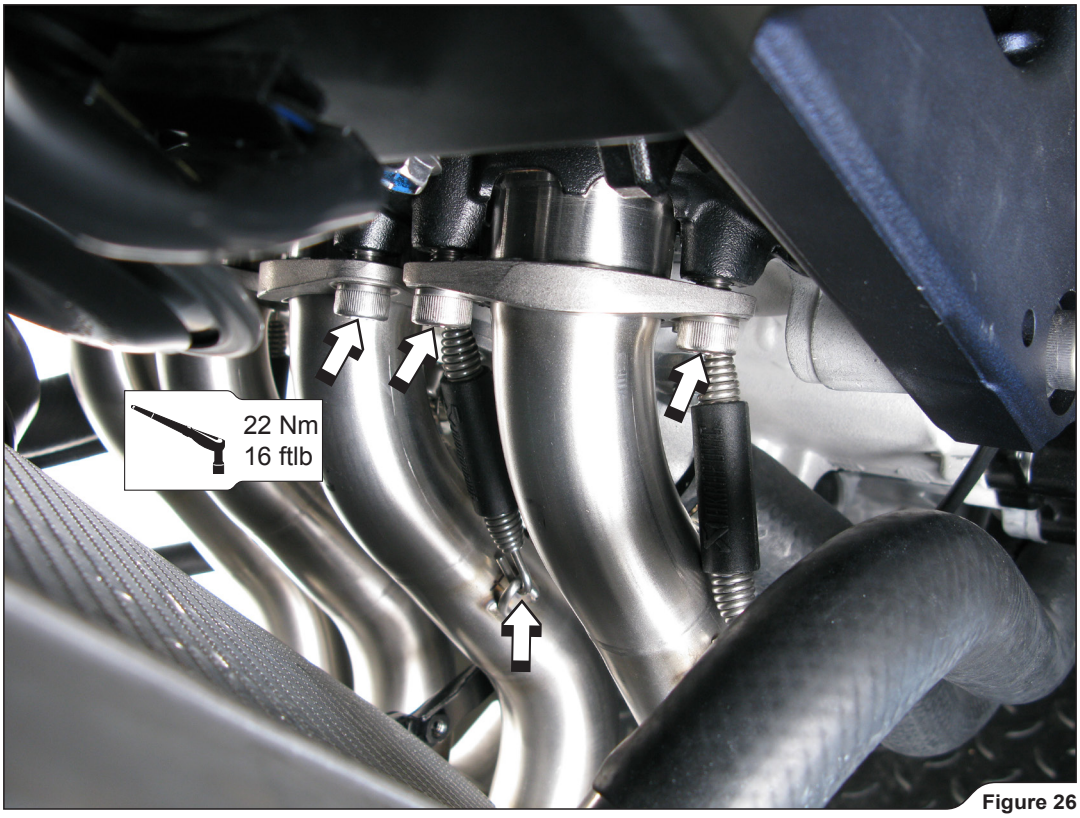


Figure 26

4. Slide the collectors onto the header tubes and attach the springs **(Figure 27).**

! **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!**

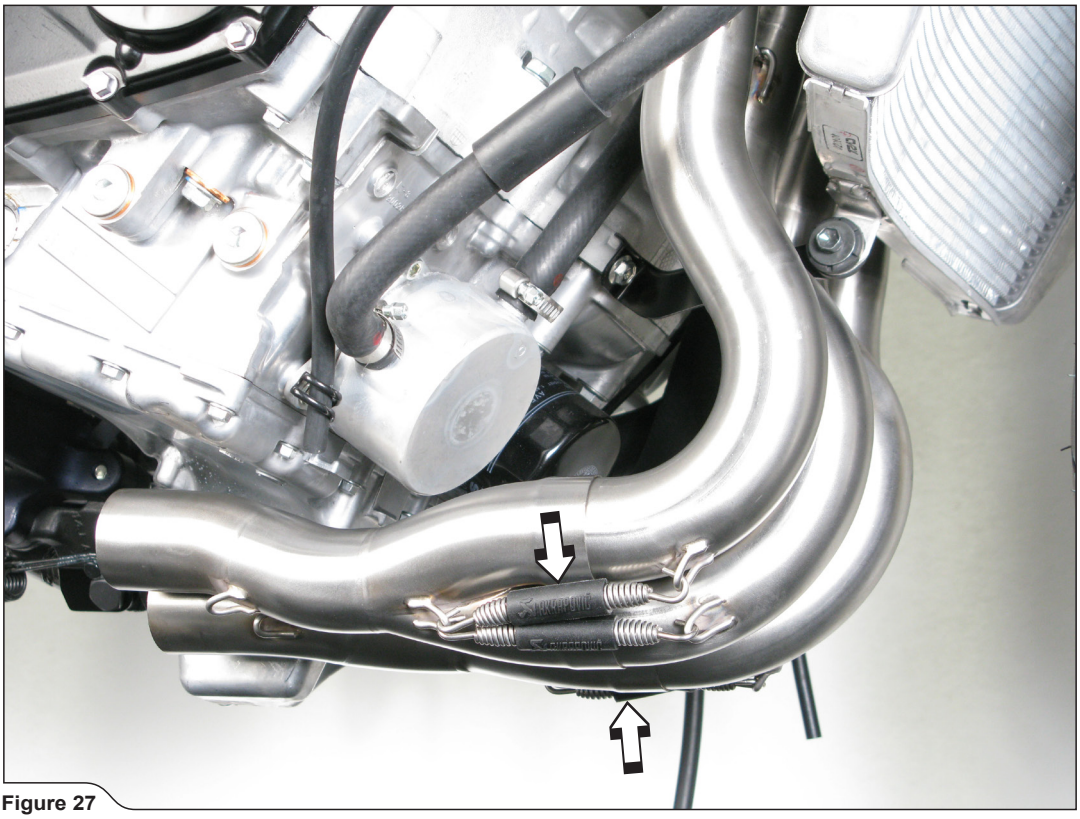


Figure 27

5. Slide the link pipe all the way onto the collectors and attach the springs. Tighten the lambda sensor; make sure not to damage sensor's electrical lead during this process **(Figure 28).**

! **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!**

! **WARNING: grease only the threads of the lambda sensor with Akrapovič anti-seize lead-free copper paste!**

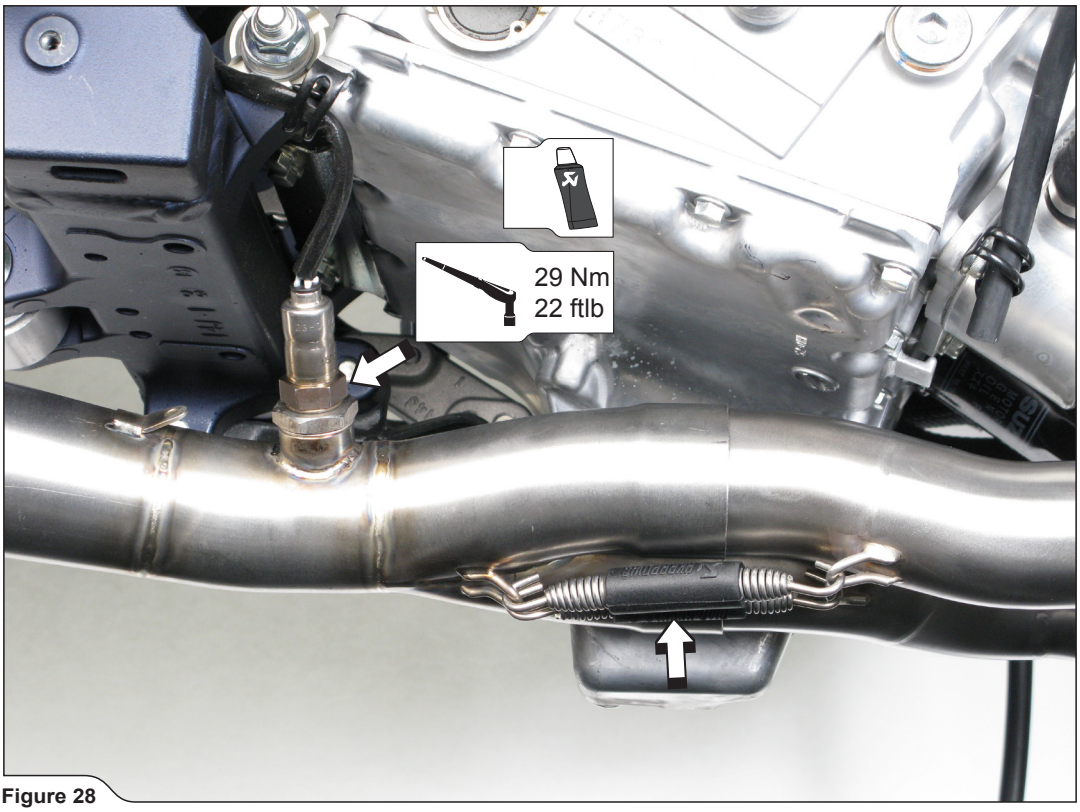


Figure 28

6. Correctly position the carbon-fiber clamp and slide it onto the muffler - bear in mind the **left offset** of the carbon-fiber clamp; check the position of the yellow sticker on the clamp **(Figure 29).**

! **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 29

7. Slide the muffler all the way onto the link pipe and attach the springs. Align the muffler in respect to the motorcycle and tighten the carbon fiber clamp, using original bolt, washer and nut **(Figure 30, 31).**

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

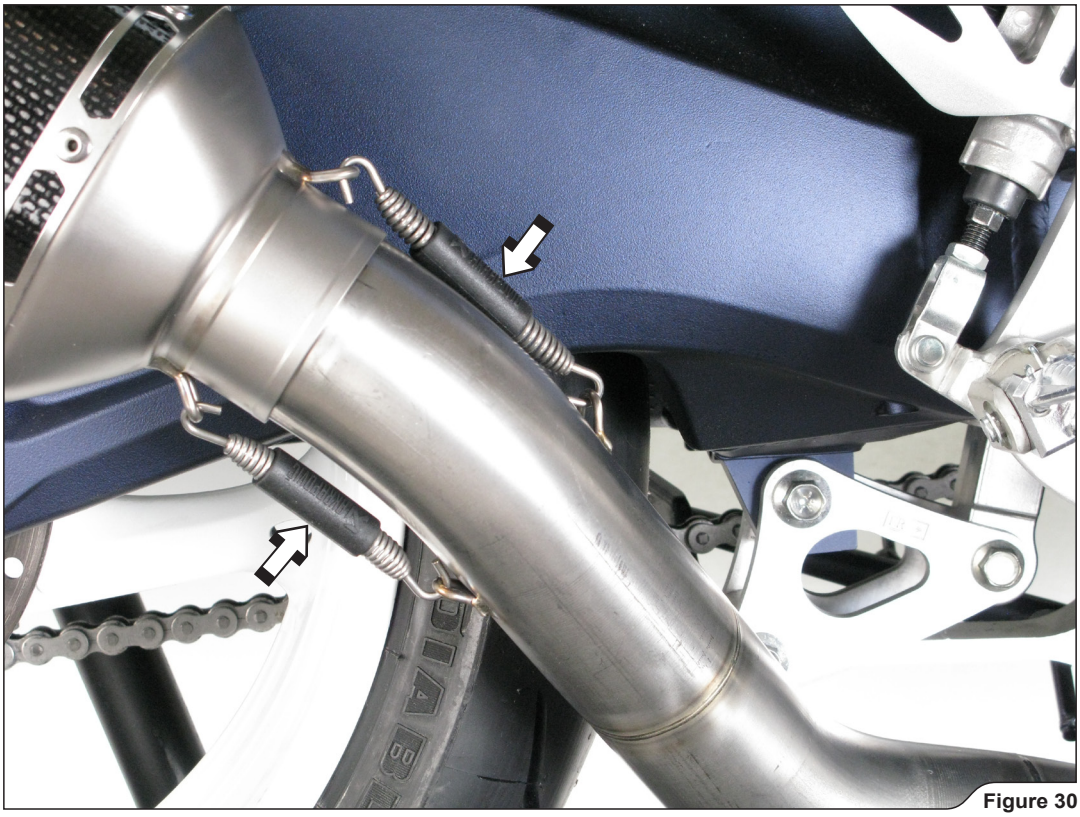


Figure 30

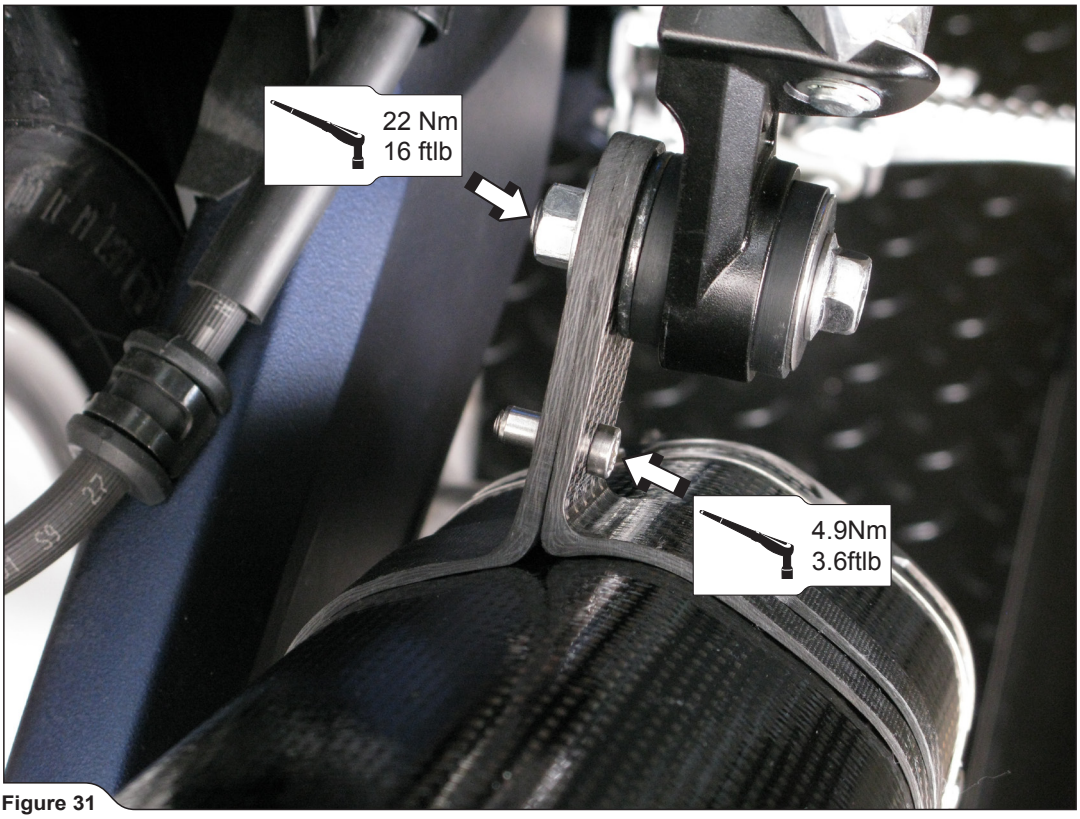


Figure 31

8. Install the fuel tank, seat and all fairings in the reverse order from the order in which they were removed **(Figure 32).**

! **WARNING: make sure all the bolts are sufficiently tightened. Check vehicle manufacturer manuel for tightening torques (for dismounted original parts)!**

Figure 32

Final installation:

Clean grease spots:

a. Muffler – carbon fiber outer sleeve and 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. RACING - stainless steel link pipe, collectors and header tubes: 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: AFTER EXHAUST SYSTEM CHANGE, YOU SHOULD CHECK THE LAMBDA SENSOR VALUE. IF YOUR AIR TO FUEL RATIO IS TOO HIGH THE ENGINE COULD BE DAMAGED. WE RECOMMEND A FUEL INCREASE BY 5% (THIS SHOULD BE DONE BY SUZUKI SERVICE!).

! 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 dismounted 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.

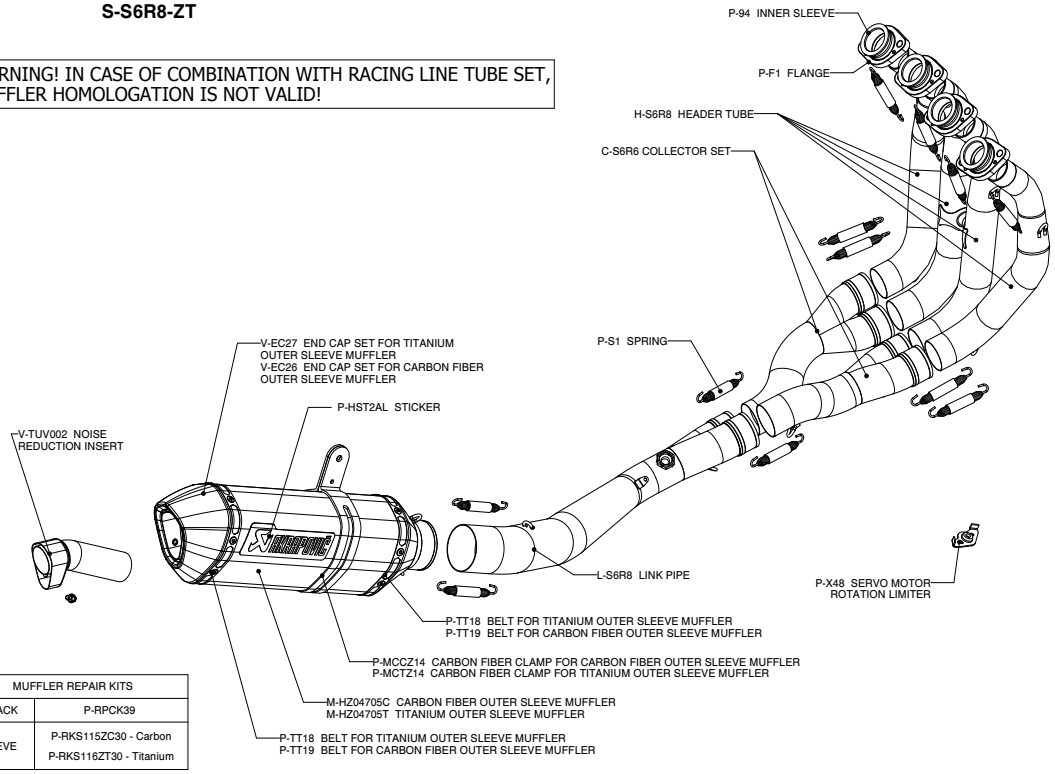
! DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIČ EXHAUST SYSTEMS.

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.

SUZUKI GSX-R 600/750; Complete exhaust system / RACING LINE with street legal muffler
Product code: S-S6R8-ZC
S-S6R8-ZT

WARNING! IN CASE OF COMBINATION WITH RACING LINE TUBE SET, MUFFLER HOMOLOGATION IS NOT VALID!



MUFFLER REPAIR KITS	
REPACK	P-RPCK39
SLEEVE	P-RKS115ZC30 - Carbon P-RKS116ZT30 - Titanium