Installation instructions:

350533

AKRAPOVIC RACING & EVOLUTION SINGLE EXHAUST SYSTEM
for the
SUZUKI GSX-R1000 (2007-2009)

Congratulations on purchasing an Akrapovic 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 Akrapovic exhaust system. When installing the Akrapovic exhaust system be careful that the exhaust system does not touch other parts sensitive to high temperature.

2. Akrapovic makes no representation or warranties with regard to damage caused by the improper installation, use and maintenance of the Akrapovic exhaust system. The warranty is limited to defects recognized by our technical department and 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 Akrapovic exhaust system on a motorcycle for which it was not made or tested by Akrapovic.

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 motor is not running. Also protect other people, especially children, from the injuries mentioned above.

5. In some cases Akrapovic 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 Akrapovic exhaust systems and related products subject to change without notice.

Trademarks

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Akrapovic website

Information about Akrapovic exhaust systems and related products is available on the Akrapovic website at:
http://www.akrapovic.com/

Copyright

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Symbols

The following symbols are used throughout these installation instructions:

! CAUTION OR WARNING	INSTALLATION TIP
TOOLS REQUIRED	TIGHTENING TORQUE



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

INSTALLATION INSTRUCTIONS

BEFORE INSTALLING CHECK SCHEMATIC OF THE EXHAUST SYSTEM!

! IF ANY ITEMS IN THE AKRAPOVIC 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 AKRAPOVIC EXHAUST SYSTEM.

! THE EXHAUST SYSTEM CAN BE EXTREMELY HOT. ALLOW THE MOTORCYCLE 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 MOTORCYCLE.



T-handle 12mm wrench
T-handle 10mm wrench
T-handle swiveling 10mm wrench
T-handle 4mm three hexagon key wrench
T-handle 6mm three hexagon key wrench
T-handle swiveling 6mm three hexagon key wrench
Combination 12mm wrench
Combination 17mm wrench
Combination 10mm wrench
Screwdriver for headless slotted screws
Screwdriver for cross head
Spring puller

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. Unscrew the right lower cowling bolt **(Figure 1, 2)** and the bolts from the metal clamp at the muffler - collector joint and muffler sub-frame brackets.Remove the muffler. Perform the process on both sides of the motorcycle **(Figure 3, 4, 5).**



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

3. Remove the left metal collar from the left muffler bracket **(Figure 6)** and reverse the metal collar on the right muffler bracket **(Figure 7, 8).**



Figure 6



Figure 7



Figure 8

4. Remove the lower and the middle parts of the cowling **(Figure 9, 10, 11, 12).**



Figure 9



Figure 10

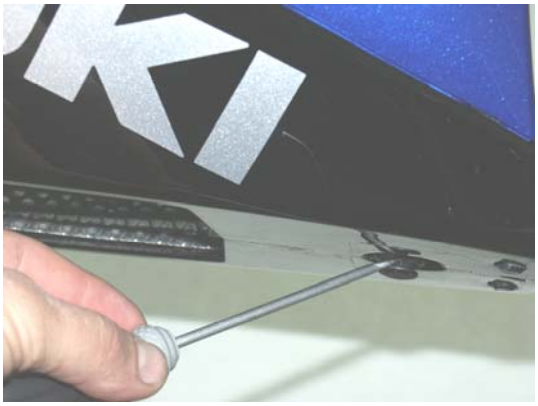


Figure 11



Figure 12

5. Untighten the bolt of the stock metal clamp **(Figure13).** Unscrew the lambda sensor **(Figure14).** Unscrew all bolts from stock collector brackets **(Figure15)** , and remove the collector **(Figure16).** Unscrew and remove the both collector brackets **(Figure 17, 18).** Remove the metal collars from the stock collector brackets **(Figure 19, 20).**



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17



Figure 18



Figure 19

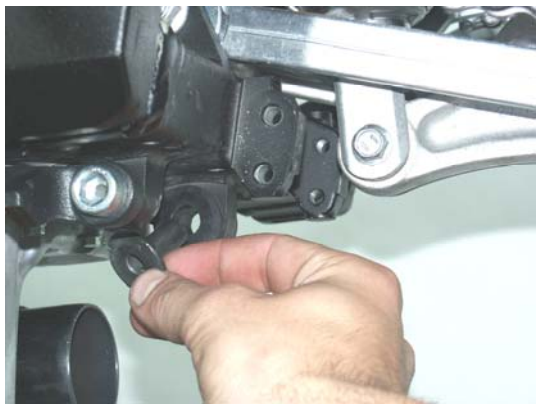


Figure 20

6. Unscrew and remove the exhaust valve cables bracket **(Figure 21, 22).** Unscrew and remove the riders seat and fuel-tank side panels **(Figure 23, 24, 25).** Unscrew, lift and secure the fuel-tank **(Figure 26, 27).** Unscrew the exhaust valve servo motor and completely remove the cables **(Figure 28, 29, 30). WARNING! Do not disconnect the electrical installation of the servo motor!**



Figure 21

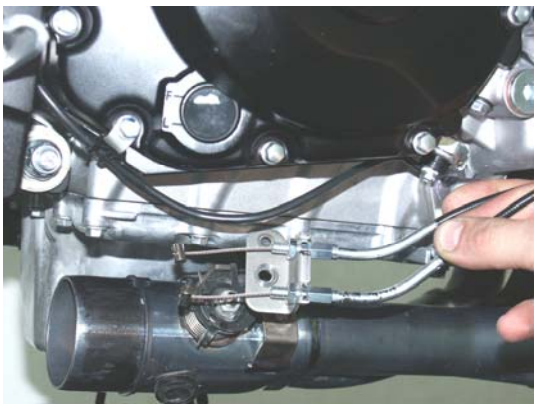


Figure 22



Figure 23



Figure 24



Figure 25



Figure 26



Figure 27

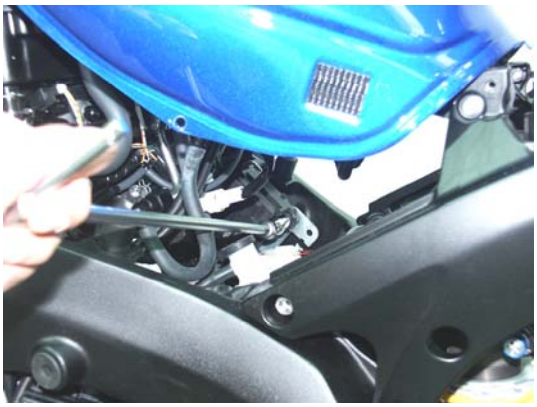


Figure 28



Figure 29



Figure 30

7. Unscrew and remove the stock servo motor wheel and bracket **(Figure 31, 32). WARNING: do not turn the the servo motor wheel with force or the servo motor could be damaged. Hold the servo wheel in place with pliers when unscrewing!** Correctly position and tighten the Akrapovic servo motor bracket and rotation limiter to specifyed torque **(Figure 33, 34). WARNING: do not turn the the servo motor wheel with force or the servo motor could be damaged. Hold the servo wheel in place with pliers when tightening the rotation limiter!** Retighten the servo motor on its place on the motorcycle using stock bolts **(Figure 35, 36).** Reattach the fuel-tank, fuel-tank side panels and riders seat in the reverse order from the order in which they were removed.

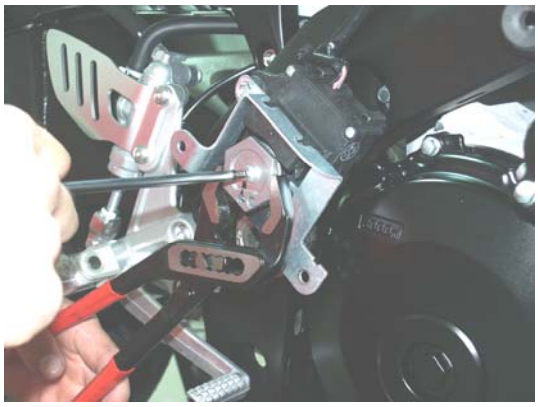


Figure 31



Figure 32

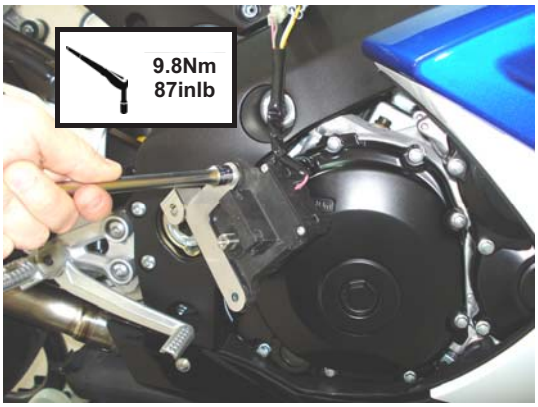


Figure 33

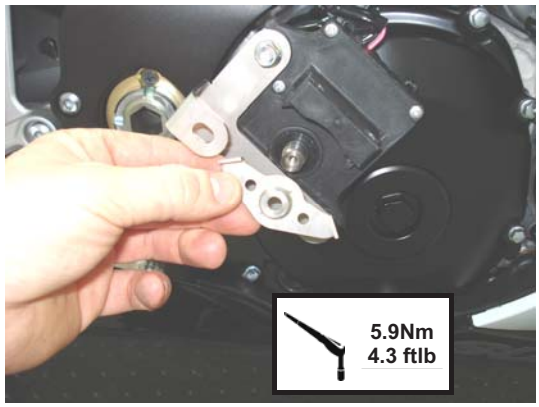


Figure 34

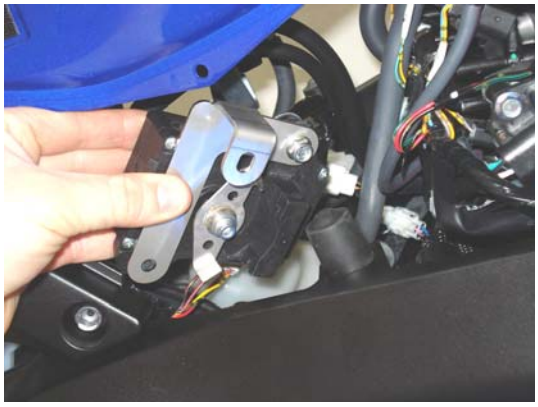


Figure 35

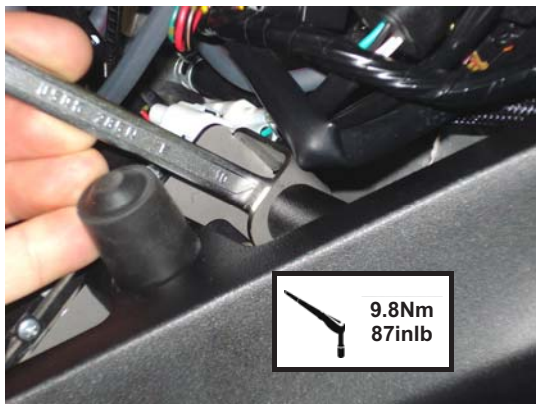


Figure 36

8. Unscrew and partially remove the water and oil coolers **(Figure 37, 38, 39). WARNING! Do not disconnect the cooling system tubes!**



Figure 37



Figure 38



Figure 39

9. Unscrew the bolts from the header tube flanges and remove stock headers ; Make sure not to damage the cooling fins ; Leave the stock gaskets in the exhaust ports! **(Figure 40, 41).**



Figure 40

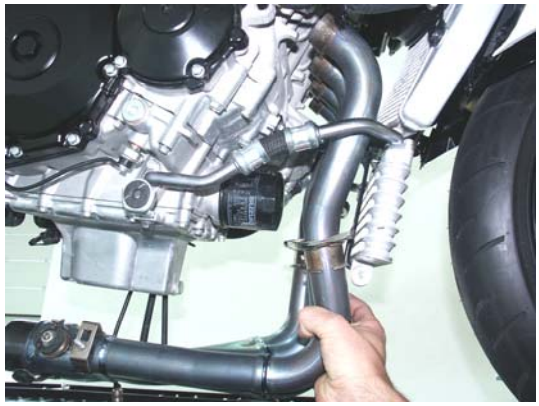


Figure 41

INSTALLATION OF THE AKRAPOVIC RACING OR EVOLUTION SINGLE EXHAUST SYSTEM:

1. Set up the sleeves together with the flanges and springs; make sure they are correctly oriented **(Figure 42, 43).** Tighten the flanges (to specified torque) ; make sure not to damage the cooling fins.



Figure 42



Figure 43

2. Insert the header tubes properly and attach the springs; make sure not to damage the cooling fins **(Figure 44, 45).** Make sure the header tubes are not touching the engine, other tubes, electrical installations etc.



Figure 44



Figure 45

3. Make sure the collectors are correctly oriented. Slide the collectors onto the header tubes and attach the springs **(Figure 46, 47). For Evolution exhaust only:** coat the interior side of the input bushes of the titanium collector with Akrapovic ceramic anti-seizing grease (white tube). Reattach both coolers in the reverse order from the order in which they were removed **; (Tightening torque for both coolers bolts: 9.8Nm / 7ftlb).**



Figure 46

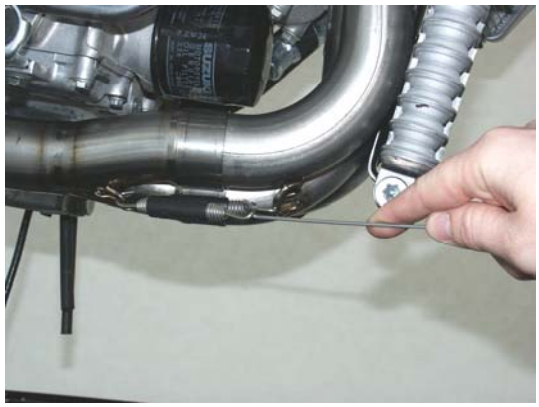


Figure 47

4. Slide the link pipe onto the collectors and attach the springs **(Figure 48, 49). For Evolution exhaust only:** coat the interior side of the input bushes of the titanium link pipe with Akrapovic ceramic anti-seizing grease (white tube).Tighten the lambda sensor **(Figure 50).** Correctly position the carbon-fiber clamp and slide it onto the muffler - bear in mind **the left offset** of the carbon-fiber clamp viewed from the rear. WARNING: open the clamp to slightly wider than the diameter of the outer sleeve of the muffler – do not scrape it along the muffler outer sleeve! **(Figure 51). For Evolution exhaust only:** coat the interior side of the input of the muffler with Akrapovic ceramic anti-seizing grease (white tube). Position the muffler correctly and slide it onto the outlet side of the link pipe.Hand tighten the carbon-fiber clamp onto the stock bracket. **(Figure 52, 53).** Position and attach the springs **(Figure 54).** Tighten the bolt on the carbon-fiber clamp/stock muffler bracket joint **(Figure 55).** Make sure the link pipe or muffler are not touching the frame and other parts.

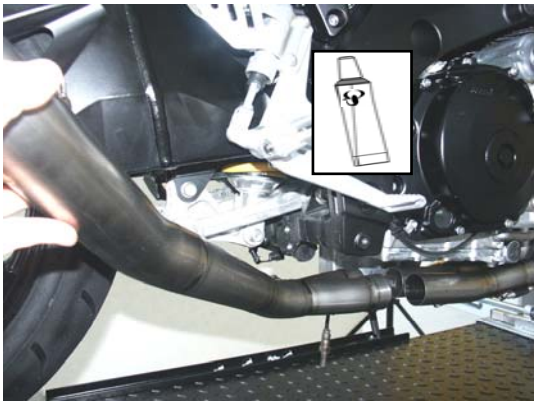


Figure 48



Figure 49

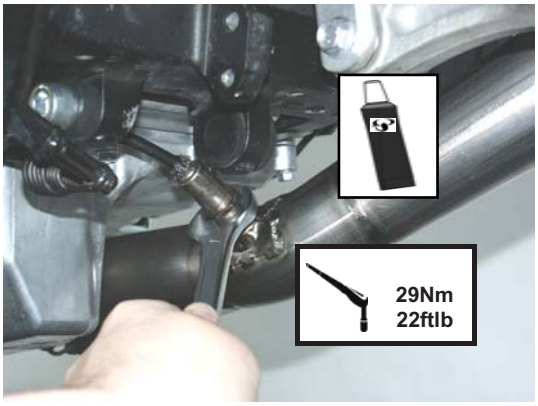


Figure 50



Figure 51



Figure 52



Figure 53



Figure 54

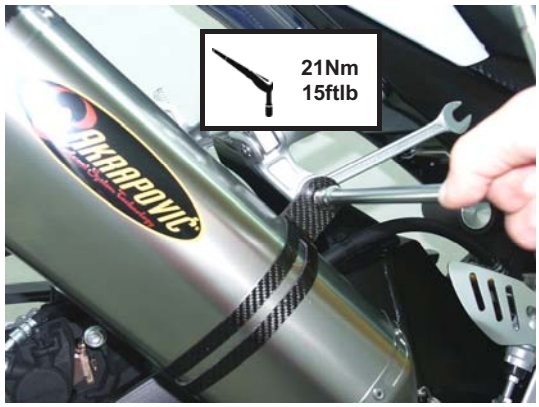


Figure 55

final installation:

1. Clean grease spots:
    a. Muffler – carbon-fiber outer sleeve: 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. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
    d. 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
    e. EVOLUTION - titanium link pipe, collectors and header tubes : 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.

Position of the correctly installed Akrapovic **RACING OR EVOLUTION SINGLE** system **(Figure 56).**



Figure 56

2. **Check the operation of the brakes and suspension. 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.**

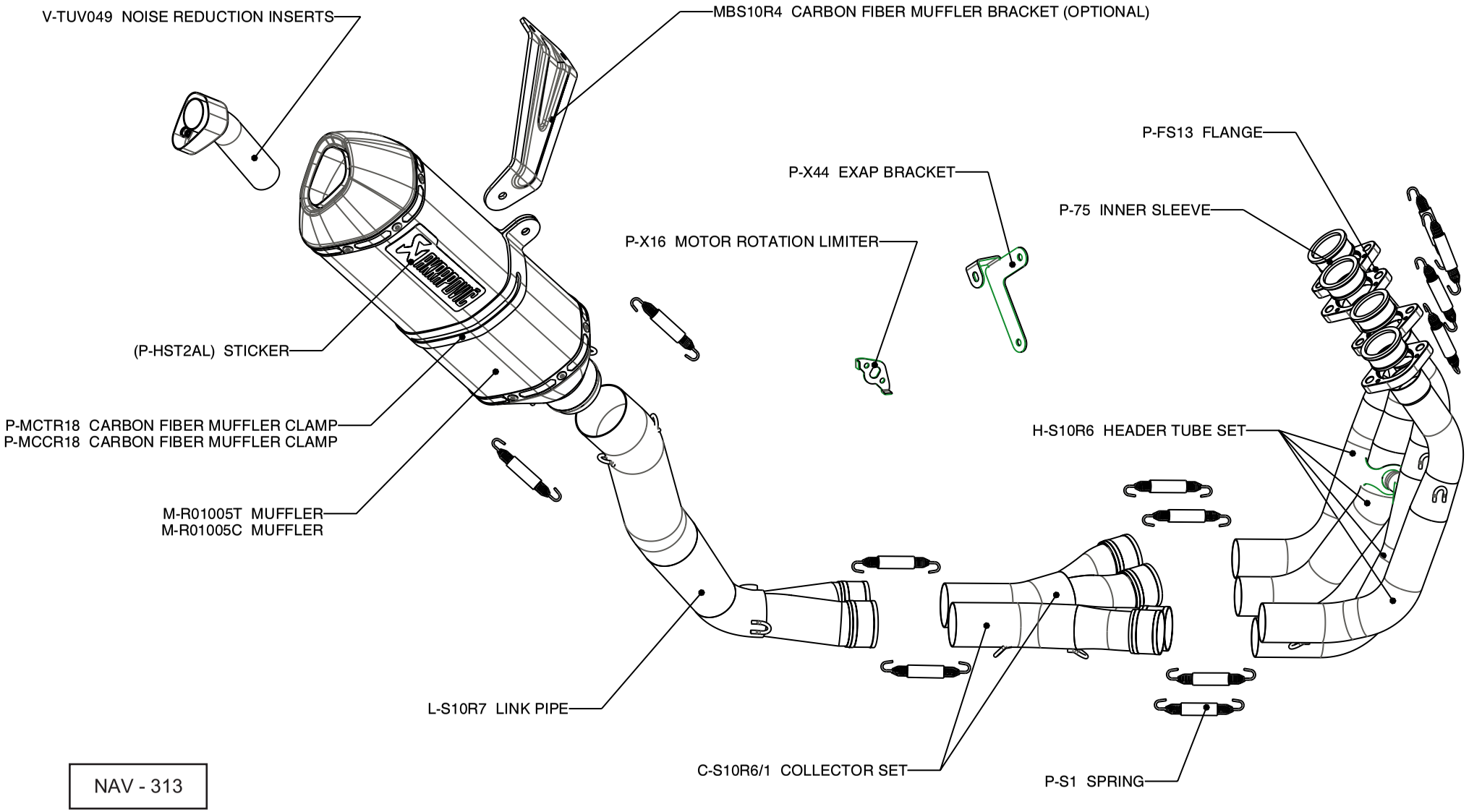
!	**IT IS NORMAL IF WHITE SMOKE COMES OUT OF THE MUFFLER ON FIRST OPERATION.**
!	**DO NOT STAND BEHIND THE MUFFLER ON FIRST OPERATION.**
!	**DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIC EXHAUST SYSTEMS.**

MAINTENANCE OF THE AKRAPOVIC 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. Do not use aggressive chemical cleaners, because they can damage the sticker. A change in the color of the exhaust system is normal due to the high temperatures.
2. The wearing out of the muffler silencing material depends on the type of the engine and riding style. Contact your dealer/serviceman if visible changes appear on muffler's outer sleeve or the noise level is increased.
3. Periodically make sure all the bolts and springs are sufficiently tight.

SUZUKI GSX-R 1000/ Complete exhaust system/ RACING LINE, model year: 2007 - 2008

Product code: S-S10R7-RT
S-S10R7-RC



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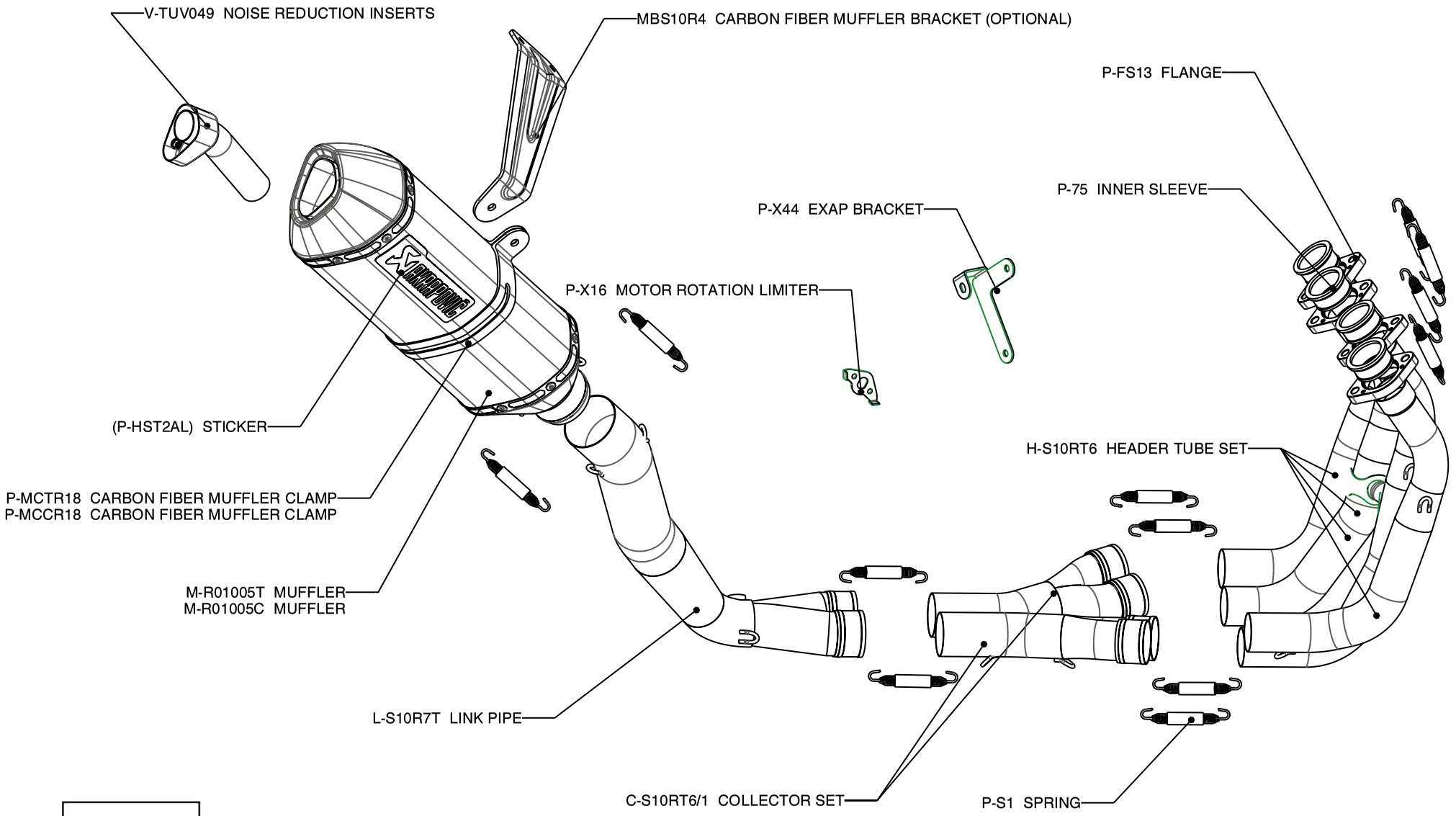
SUZUKI GSX-R 1000/ Complete exhaust system/ EVOLUTION LINE, model year: 2007-2008

Product code: S-S10RFT7T-RT
S-S10RFT7T-RC



SUZUKI GSX-R 1000/ Complete exhaust system/ Racing line tube set with street legal Slip-on muffler, model year: 2007 - 2008
SUZUKI GSX-R 1000/ Complete exhaust system/ Evolution line tube set with street legal Slip-on muffler, model year: 2007 - 2008

Product code: S-S10R7-RC/1
S-S10R7-RT/1
S-S10RFT7T-RC/1
S-S10RFT7T-RT/1

WARNING! IN CASE OF COMBINATION WITH RACING OR EVOLUTION TUBE SET, THE SLIP-ON HOMOLOGATION IS NOT VALID!

