Installation instructions:

350591

AKRAPOVIC RACING & EVOLUTION EXHAUST SYSTEM
for the
SUZUKI RM-Z450

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

The Akrapovic Exhaust System Technology logo is a registered trademark of Akrapovic d.d.

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 1 to 2 small drops of bolt sealant onto the cleaned and degreased 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 8mm wrench
T-handle 10mm wrench
T-handle 12mm wrench
T-handle 13mm wrench
T-handle 6mm three hexagon key wrench
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. For easier access to the muffler remove the rear right panel **(Figure 1, 2).**



Figure 1



Figure 2

3. Untighten the bolt from the metal clamp at the link pipe – header tube joint and unscrew the bolt from the link pipe bracket **(Figure 3, 4).**

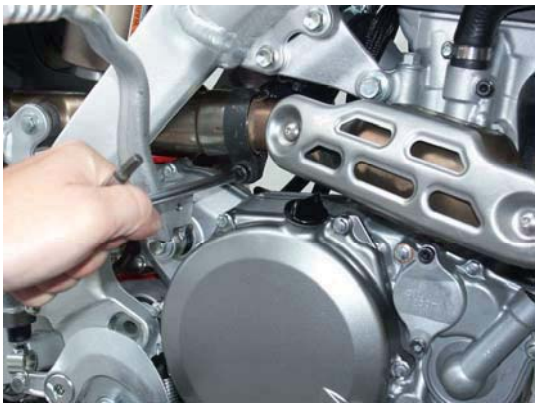


Figure 3

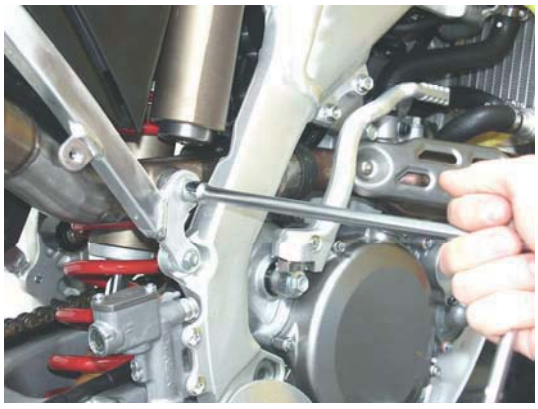


Figure 4

4. Unscrew and remove the bolt from the muffler metal bracket **(Figure 5)** and remove the muffler together with the link pipe **(Figure 6).**



Figure 5



Figure 6

5. Unscrew and remove the nuts on the flange of header tube and remove the stock header tube **(Figure 7, 8).**



Figure 7



Figure 8

6. Unscrew the rear fenders' bolt **(Figure 9).**



Figure 9

INSTALLATION OF THE AKRAPOVIC RACING OR EVOLUTION EXHAUST SYSTEM

1. Assemble the additional Akrapovic muffler bracket using Akrapovic bolt. Hand tighten the bolt **(Figure 10).**



Figure 10

2. Correctly position and install the Akrapovic carbon-fiber heat shield onto the header tube. Make sure the heat / distance washers are correctly installed **(Figure 11, 12, 13, 14).**



Figure 11



Figure 12



Figure 13



Figure 14

3. Set up the inner sleeve together with the flange and springs; make sure they are correctly oriented; use new stock gasket in the exhaust port. Hand tighten the flange using Akrapovič distance washers and stock nuts **(Figure 15, 16).**



Figure 15



Figure 16

4. Install the header tube and attach the springs **(Figure 17, 18). WARNING: make sure, that springs pull the header all the way into the sleeve – use rubber mallet if necessary to tap the connection into place!**



Figure 17



Figure 18

5. Install the rubber dampers and aluminium collars supplied in the Akrapovic kit onto the muffler clamps correctly. Correctly position the carbon-fiber clamps and slide them onto the muffler - bear in mind the left offset of the carbon-fiber clamps viewed from the rear **(Figure 19, 20, 21, 22). WARNING: open the clamps slightly wider than the diameter of the outer sleeve of the muffler – do not scrape them along the muffler outer sleeve!**



Figure 19



Figure 20



Figure 21



Figure 22

6. Correctly position the muffler and slide it onto the header tube **(Figure 23). For evolution exhaust only:** coat the interior side of the input of the titanium link pipe with Akrapovic ceramic anti-seizing grease (white tube).

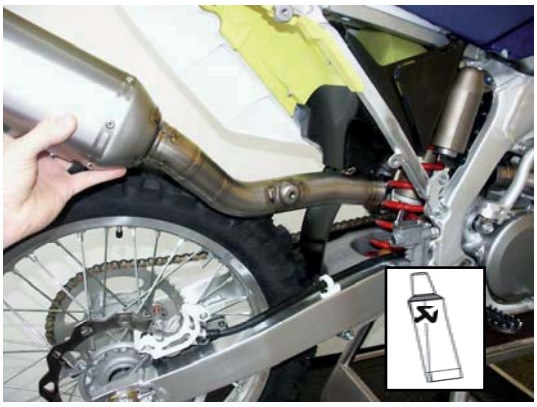


Figure 23

7. Hand tighten the bolt of the link pipe hanging bracket and attach the spring at the link pipe – header tube joint **(Figure 24, 25). WARNING: make sure, that spring pull the link pipe all the way onto the header– use rubber mallet if necessary to tap the connection into place!**



Figure 24



Figure 25

8. Attach the carbon-fiber clamps to the muffler bracket. Align the muffler in respect to the motorcycle and tighten the bolts of the muffler clamps, muffler bracket, link pipe bracket and header tube flange **(Figure 26, 27, 28, 29).** Make sure that muffler, link-pipe or header tube are not touching the engine, frame or any other part of the motorcycle.

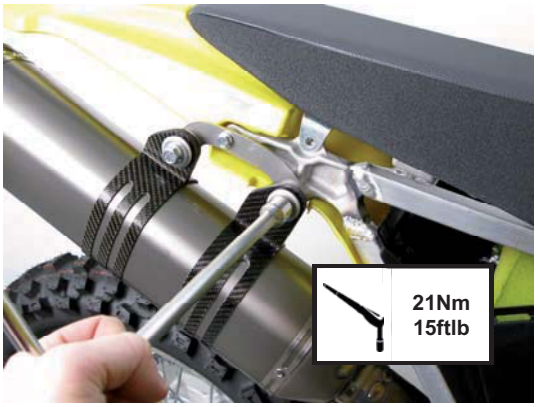


Figure 26

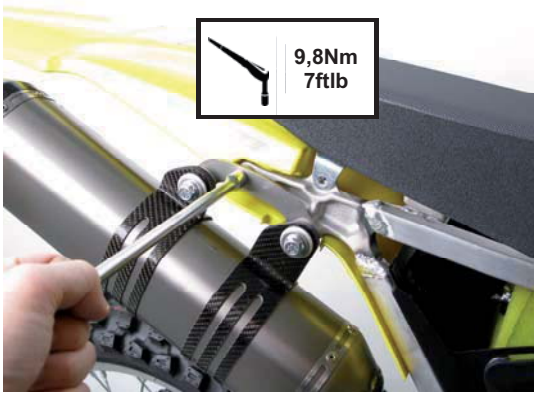


Figure 27

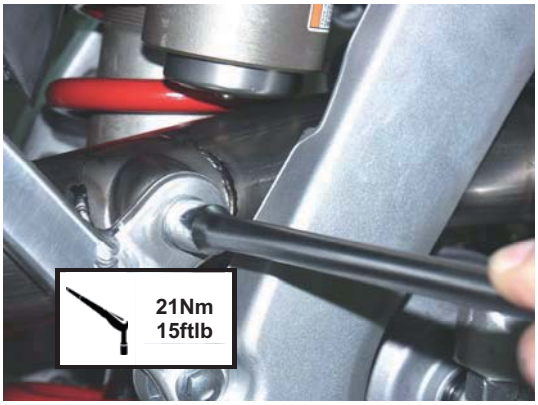


Figure 28

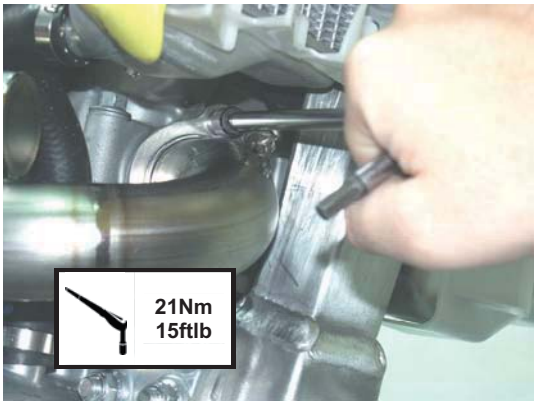


Figure 29

9. Reattach the rear panel **(Figure 30, 31).**



Figure 30



Figure 31

Final installation:

1. 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 end cap: use a soft dry cloth.
    c. RACING - stainless steel link pipe, header tube: use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth.
    d. EVOLUTION - titanium link pipe, header tube: 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.
2. **WARNING: after running engine for 30 minutes, tighten the bolts on the Akrapovic carbon-fiber heat shield!**

3. Position of the correctly installed Akrapovic **RACING** or **EVOLUTION** system **(Figure 32).**



Figure 32

4. **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.**

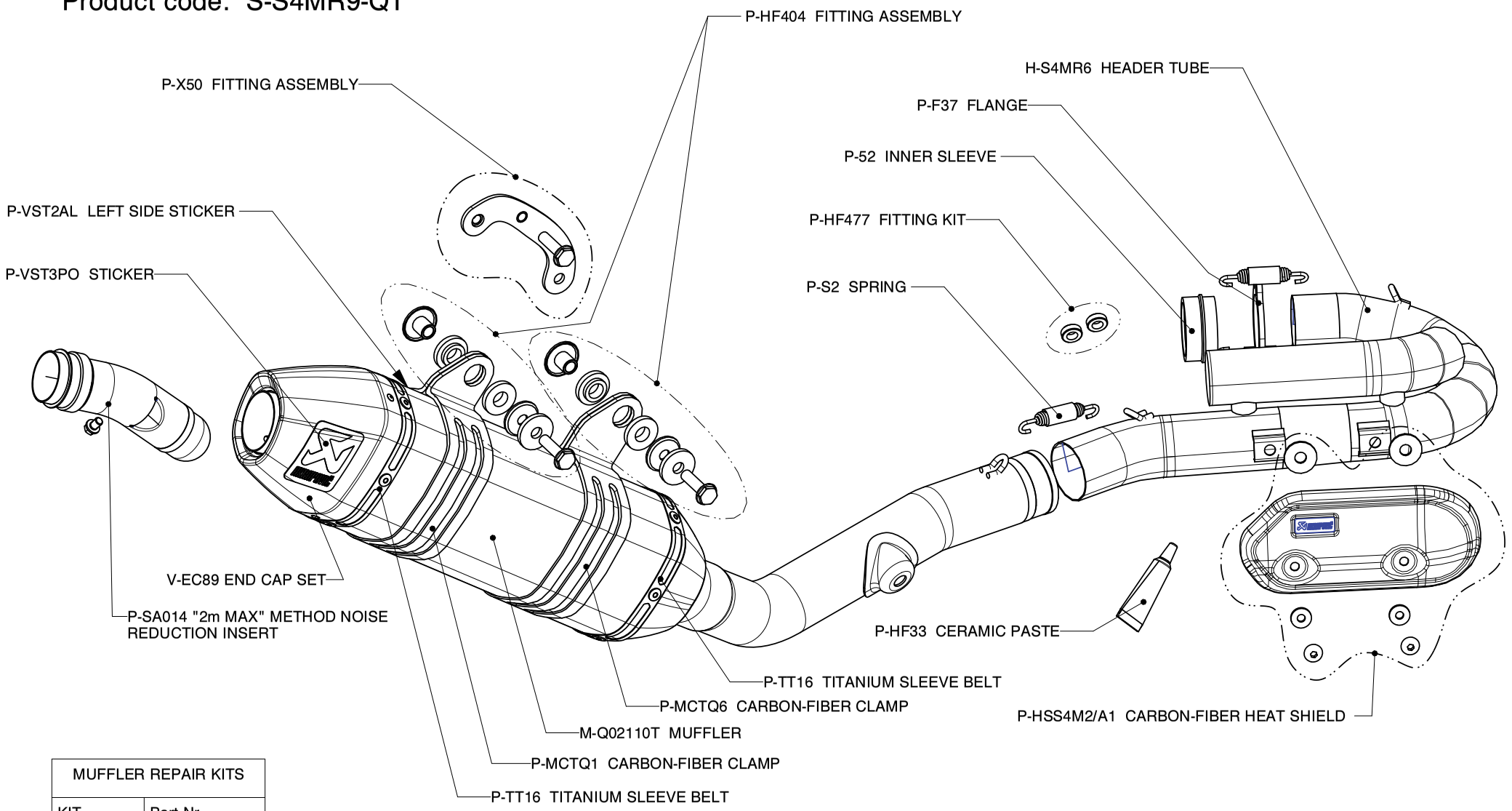
!	**IT IS NORMAL IF WHITE SMOKE COMES OUT OF THE MUFFLER ON FIRST OPERATION.**
!	**DO NOT STAND BEHIND THE MUFFLER ON FIRST OPERATION.**
!	**DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIC EXHAUST SYSTEMS.**

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 motor 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 RM-Z 450 Racing complete exhaust system

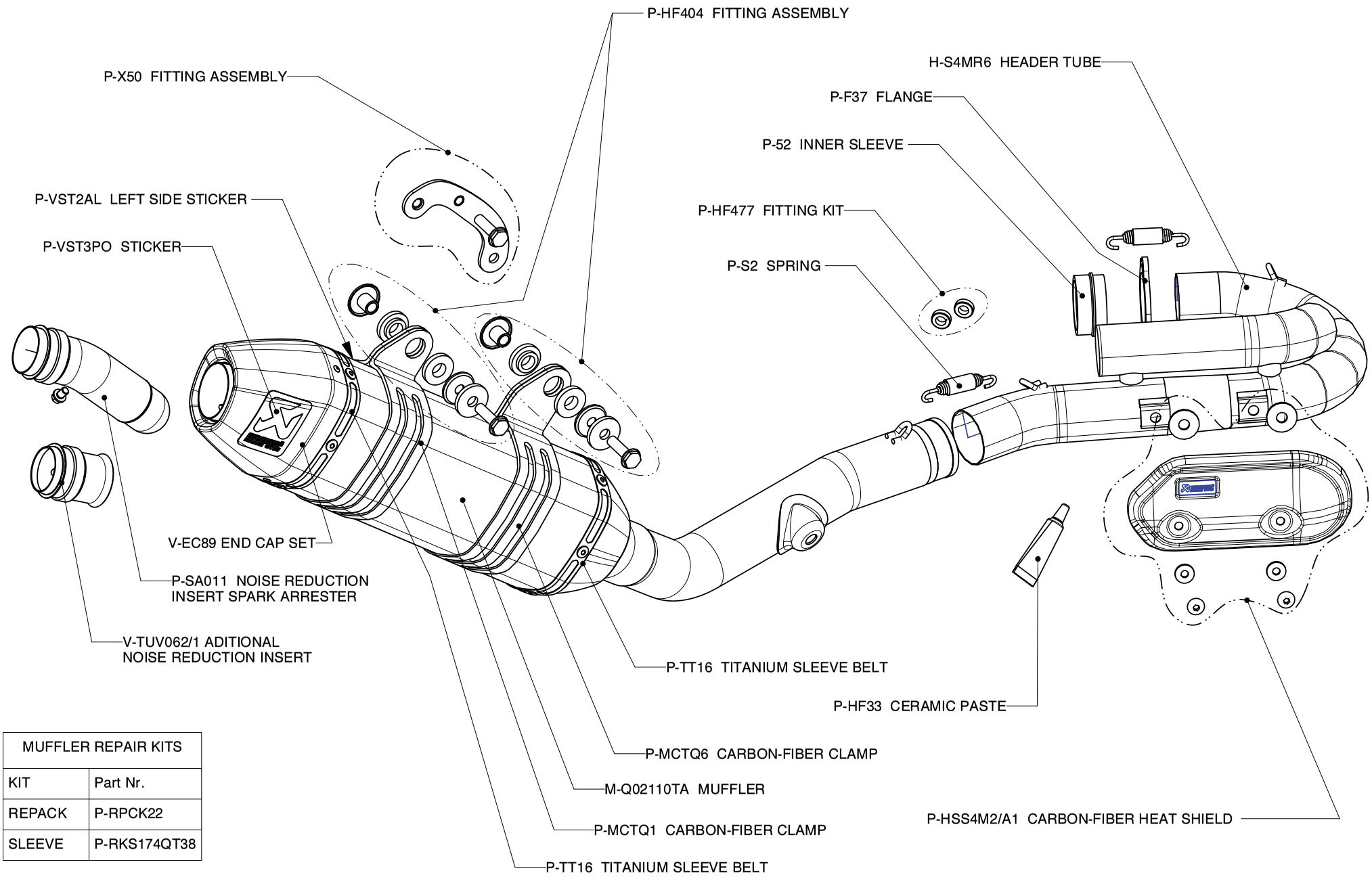
Product code: S-S4MR9-QT



MUFFLER REPAIR KITS	
KIT	Part Nr.
REPACK	P-RPCK22
SLEEVE	P-RKS92QT38

SUZUKI RM-Z 450/ Racing line with spark arrester

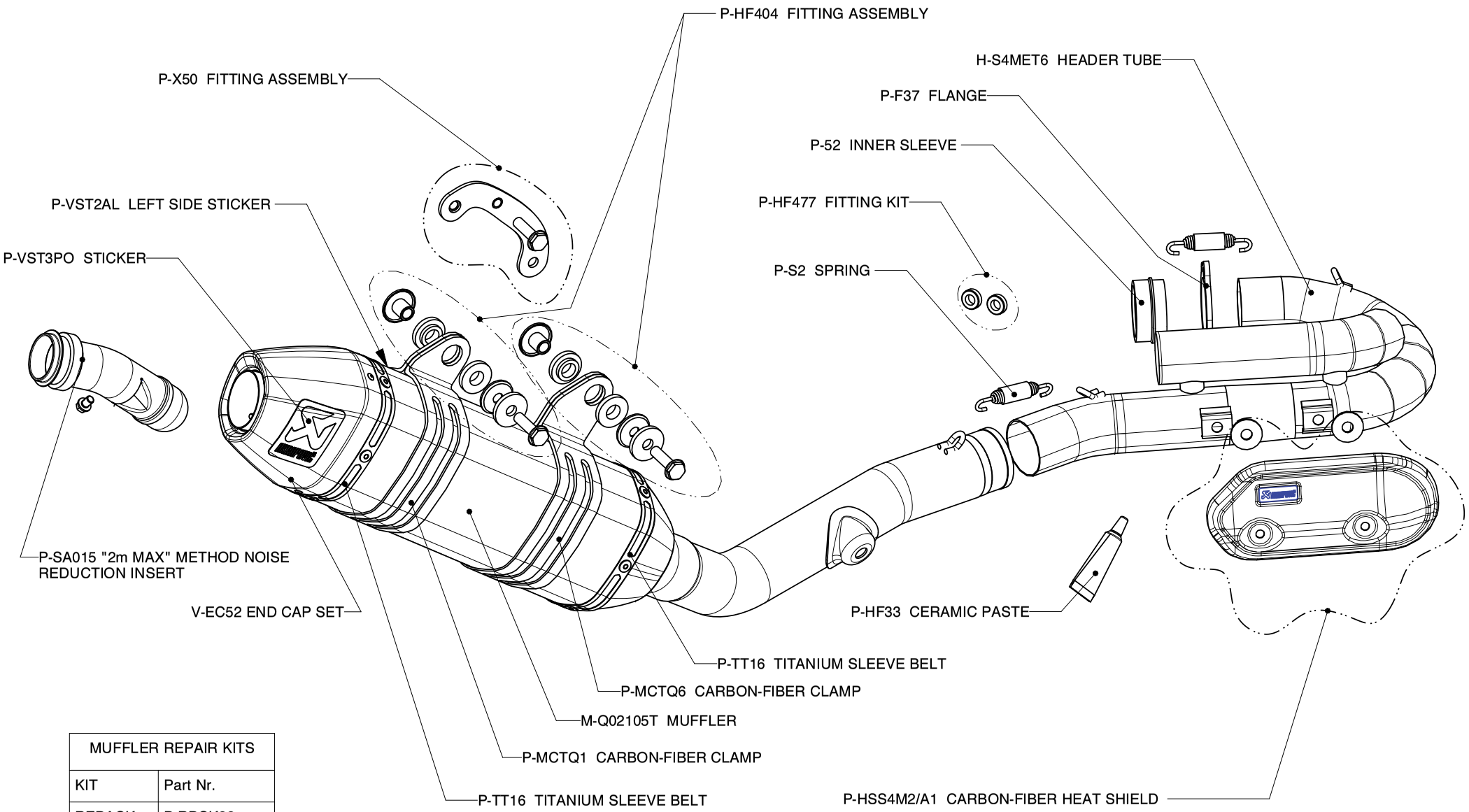
Product code: S-S4MR9-QTA



MUFFLER REPAIR KITS	
KIT	Part Nr.
REPACK	P-RPCK22
SLEEVE	P-RKS174QT38

SUZUKI RM-Z 450 Evolution complete exhaust system

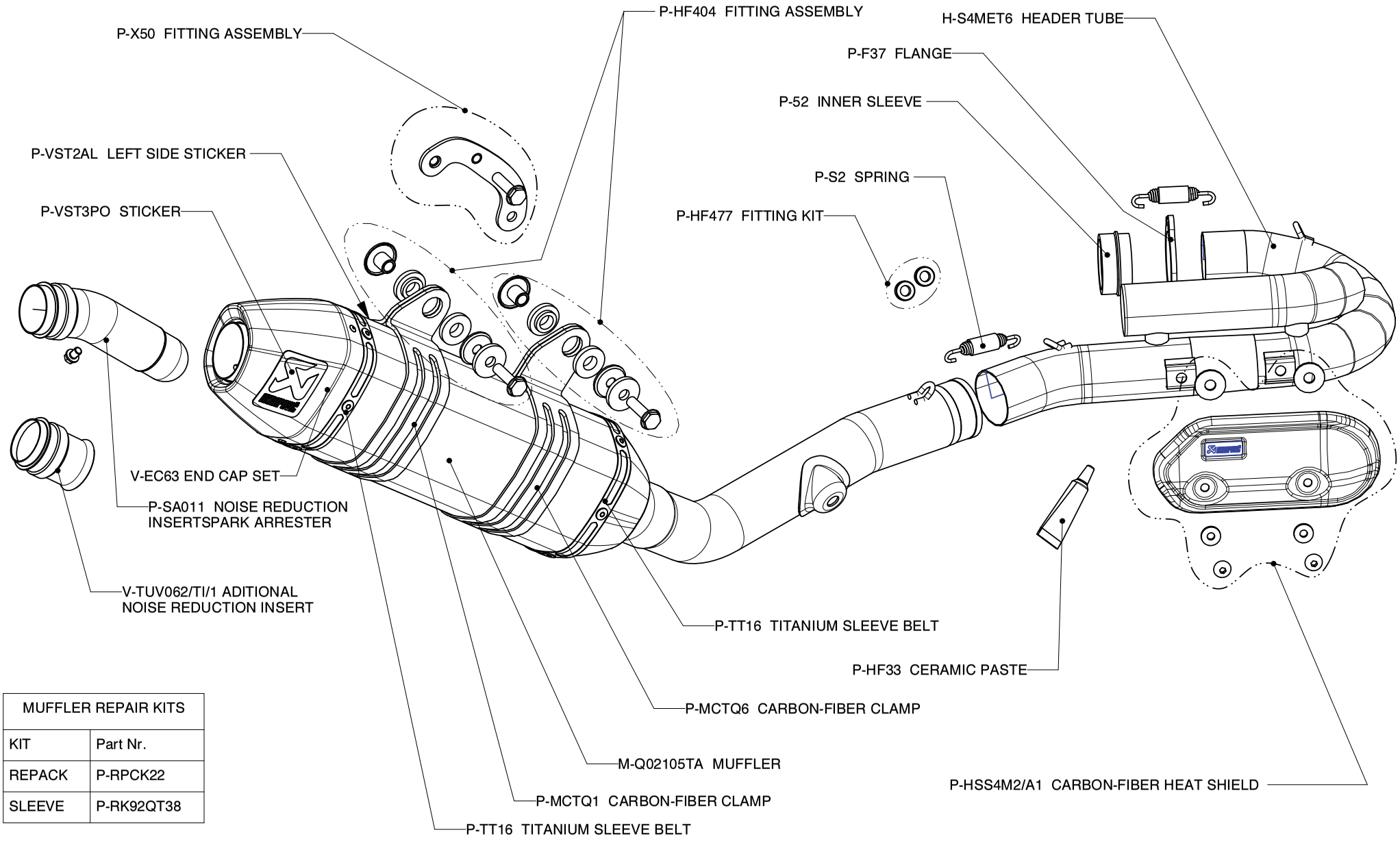
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MUFFLER REPAIR KITS	
KIT	Part Nr.
REPACK	P-RPCK22
SLEEVE	P-RKS92QT38

SUZUKI RM-Z 450/ Evolution line with spark arrester

Product code: S-S4MET9-QTA



MUFFLER REPAIR KITS	
KIT	Part Nr.
REPACK	P-RPCK22
SLEEVE	P-RK92QT38