

## Installation instructions:



# AKRAPOVIC RACING & EVOLUTION, RACING & EVOLUTION STREET LEGAL EXHAUST SYSTEM for the KAWASAKI ZX-10 R (2006)

**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.

### **Akrpovic website**

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

### **Copyright**

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



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### **Symbols**

The following symbols are used throughout these installation instructions:



## INSTALLATION INSTRUCTIONS

	<b>BEFORE INSTALLING CHECK SCHEMATIC OF THE EXHAUST SYSTEM!</b>
	<b>IF ANY ITEMS IN THE AKRAPOVIC EXHAUST SYSTEM PACKAGE ARE MISSING PLEASE CONTACT YOUR AUTHORIZED DEALER. KEEP THE SCHEMATIC FOR FUTURE REFERENCE.</b>
	<b>THESE INSTALLATION INSTRUCTIONS MUST BE READ CAREFULLY IN ORDER TO ENSURE PROPER INSTALLATION AND OPERATION OF THE AKRAPOVIC EXHAUST SYSTEM.</b>
	<b>THE EXHAUST SYSTEM CAN BE EXTREMELY HOT. ALLOW THE MOTORCYCLE TO COOL DOWN BEFORE BEGINNING INSTALLATION.</b>
	<b>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.</b>

### REMOVAL OF STOCK EXHAUST SYSTEM

1. put the motorcycle on a side stand, we recommend racing stand
2. remove the passengers seat (**Figure 1**)
3. remove side panels and drivers seat (**Figure 2, 3, 4**)
4. carefully remove all fastenings which fix the rear cowling (**Figure 5, 6, 7, 8, 9**)
5. lift up the rear cowling and disconnect rear light and turn indicators connectors (**Figure 10, 11, 12, 13**)
6. disconnect the cable for the passengers seat lock (**Figure 14**)
7. remove the rear cowling (**Figure 15**)
8. unscrew the bolts and remove both brackets for the passengers footpegs (**Figure 16, 17, 18**)
9. unscrew and remove nuts from the muffler at the muffler - link pipe connection; repeat the process for the other muffler (**Figure 19**)
10. unscrew and remove the bolt from the muffler metal bracket and remove the muffler; repeat the process for the other muffler (**Figure 20, 21**)
11. unscrew the upper bolt of the link pipe heat shield (**Figure 22**)
12. unscrew the bolt of the rear brake fluid container bracket; do not open the container or disconnect the fluid tube (**Figure 23**)
13. unscrew the rest of the bolts of the link pipe heat shields and remove both shields (**Figure 24, 25, 26**)
14. unscrew the bolts of the drivers footpeg bracket and remove the bracket (**Figure 27**); first disconnect the rear stop light switch (**Figure 28**)
15. carefully remove all bolts and plastic fastenings which fix the upper and lower parts of the cowling (**Figure 29, 30, 31, 32, 33, 34, 35**)
16. disconnect the turn indicators connectors and remove the cowling (**Figure 36, 37**)
17. remove the harness of the servo motor cables (**Figure 38, 39**)
18. completely remove the exhaust valve cables from the servo motor (from the control wheel for cable position) (**Figure 40, 41, 42**)
19. remove the heat shield from the exhaust valve (**Figure 43**)
20. unscrew the bolt, loosen the metal clamp and remove the left link pipe (**Figure 44, 45**)
21. unscrew the bolt from the right link pipe and exhaust valve bracket (**Figure 46**)
22. unscrew the bolt, loosen the metal clamp and remove the right link pipe and exhaust valve together with the exhaust valve cables (**Figure 47, 48, 49**)
23. unscrew the bolt from the lower water cooler hanging bracket; slightly remove cooler – **do not disconnect the cooling system tubes!** Make sure not to damage the cooling fins (**Figure 50**)
24. unscrew the bolts from the header tube flanges; Make sure not to damage the cooling fins (**Figure 51**)
25. remove the header tubes and unscrew the lambda sensors; Make sure not to damage the cooling fins (**Figure 52**)

### INSTALLATION OF THE AKRAPOVIC RACING OR EVOLUTION EXHAUST SYSTEM

#### **installing the header tubes:**

1. set up the sleeves together with the flanges and springs; make sure they are correctly oriented and that the holes for attaching the springs line up with the loops on the header tubes; tighten the flanges; make sure not to damage the cooling fins (**Figure 53, 53a**)
2. attach lambda sensors (**Figure 54**)
3. insert the header tubes properly and attach the springs; make sure not to damage the cooling fins (**Figure 55, 56**)
4. make sure the header tubes are not touching the engine, coolers, other tubes, electrical installations etc.

#### **installing the independent collectors:**

1. **for Evolution exhaust only:** coat the interior side of the input of the titanium collector with Akrapovic ceramic anti-seizing grease (white tube)
2. make sure the collectors are correctly oriented – loops for attaching the springs must line up
3. slide the collectors onto the header tubes (**Figure 57**)
4. attach the springs (**Figure 58**)
5. make sure the collectors are not touching the frame and other parts

#### **installing the independent link pipe:**

1. **for Evolution exhaust only:** coat the interior side of the input of the titanium link pipe with Akrapovic ceramic anti-seizing grease (white tube)
2. slide the link pipe onto the collectors (**Figure 59**)
3. attach the springs (**Figure 60**)
4. tighten the bolt of the link pipe bracket (**Figure 61, 62**)
5. make sure the link pipe is not touching the frame and other parts

#### installing the mufflers:

1. **for Evolution exhaust only:** coat the interior side of the input of the inlet cap with Akrapovic ceramic anti-seizing grease (white tube); repeat the process for the other muffler
2. position the muffler correctly and slide it onto the outlet side of the link pipe; repeat the process for the other muffler (**Figure 63**)
3. attach the springs at the Akrapovic muffler - link pipe joint; repeat the process for the other muffler
4. correctly position the Akrapovic carbon-fiber clamp and slide it onto the muffler, bear in mind the **left offset** for the **right muffler** and the **right offset** for the **left muffler** 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 64**)
5. hand tighten the upper part of the carbon-fiber clamp onto the stock chassis hanging bracket; use the stock bolts (**Figure 65, 66**); repeat the process for the other muffler
6. tighten the lower part of the carbon-fiber clamp (**Figure 67**); repeat the process for the other muffler

#### final installation:

1. reattach the water cooler; tighten the bolt of the hanging bracket. Make sure not to damage the cooling fins (**Figure 68**)
2. reattach the heat shield from the exhaust valve (**Figure 69**)
3. reattach the bracket for the drivers footpeg (**Figure 70**)
4. reattach the link pipe heat shields (**Figure 71, 72, 73**)
5. reattach the rear brake fluid container (**Figure 74**)
6. reattach the bracket for the passengers footpeg (**Figure 75, 76**)
7. reconnect front turn indicators connectors and reattach side cowling (**Figure 77, 78**)
8. replace the rear cowling (**Figure 79**)
9. reattach the cable for the passengers seat lock (**Figure 80**)
10. reconnect rear light and turn indicators connectors (**Figure 81, 82**)
11. reattach all fastenings and bolts which fix the rear cowling (**Figure 83, 84**)
12. replace the passengers seat (**Figure 85**)
13. replace the drivers seat and side panels (**Figure 86, 87, 88**)
14. 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. RACING - stainless steel link pipe, collectors, header tubes: use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth
  - d. EVOLUTION - titanium link pipe, collectors, 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.

15. position of the correctly installed Akrapovic RACING or EVOLUTION system (**Figure 89**)

**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 muffler outer sleeve with a multi-purpose spray lubricant (WD-40 or equivalent ) and carbon fiber outer sleeve 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 are sufficiently tight.

**Photos:**



**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5**



**Figure 6**



**Figure 7**



**Figure 8**





**Figure 9**



**Figure 10**



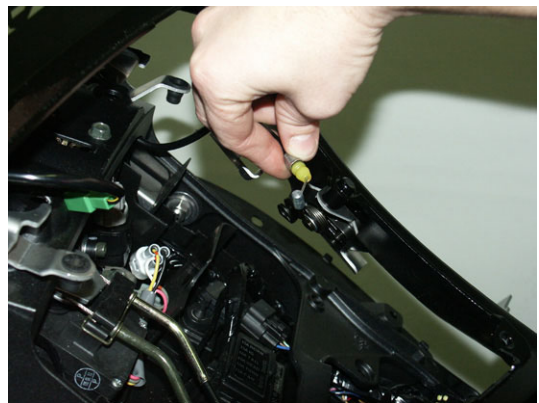
**Figure 11**



**Figure 12**



**Figure 13**



**Figure 14**



**Figure 15**

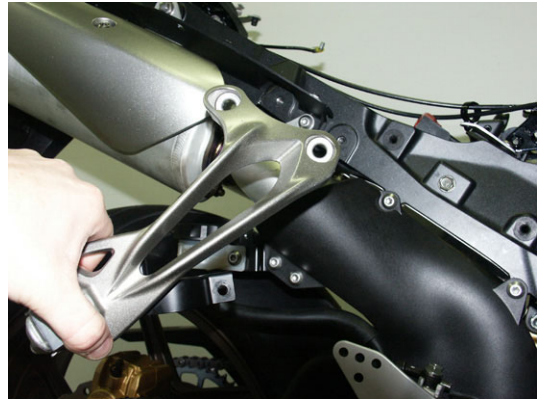


**Figure 16**





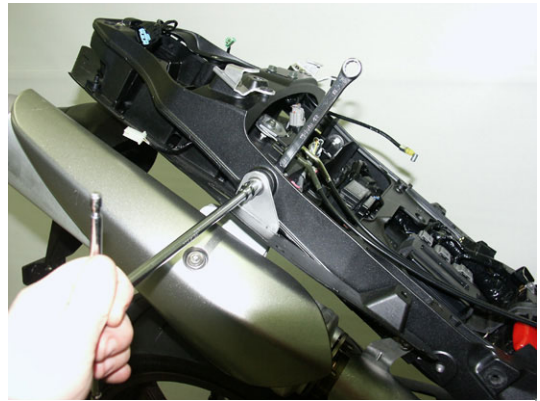
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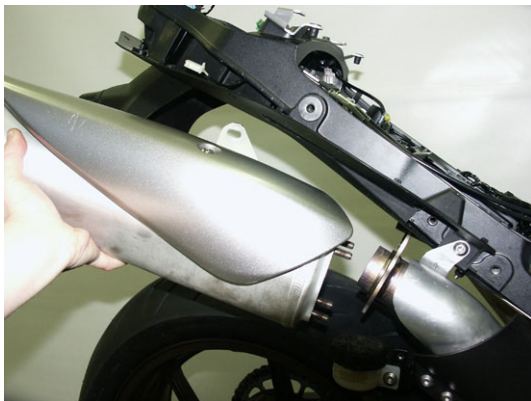
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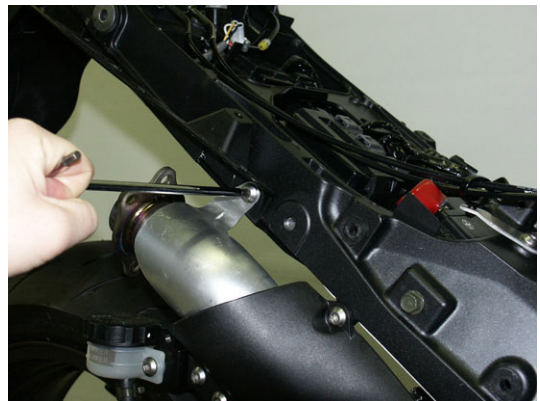
**Figure 19**



**Figure 20**



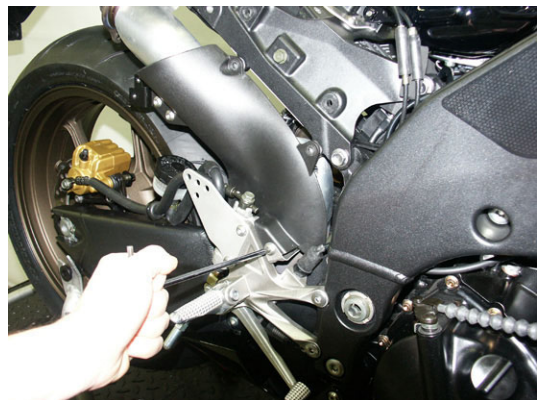
**Figure 21**



**Figure 22**



**Figure 23**

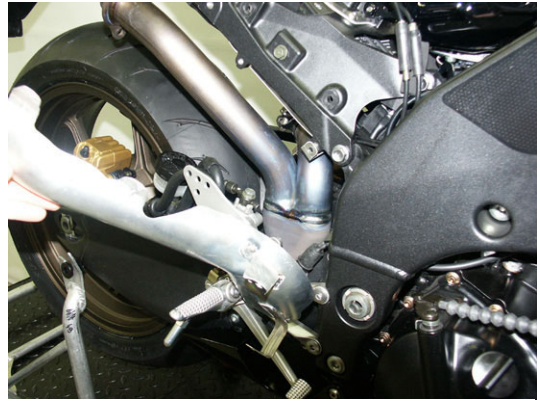


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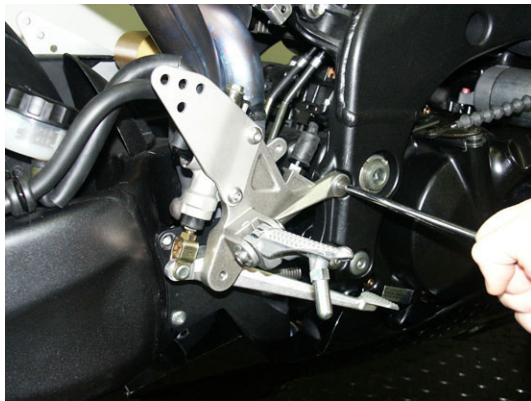




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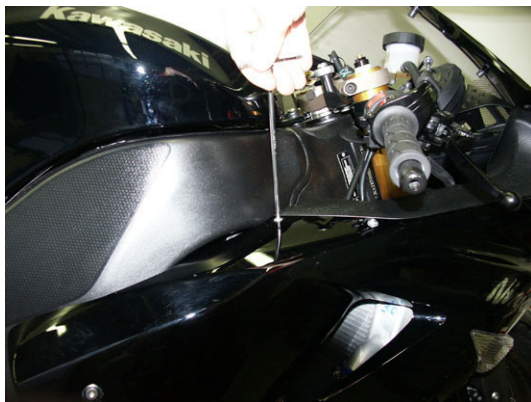
**Figure 26**



**Figure 27**



**Figure 28**



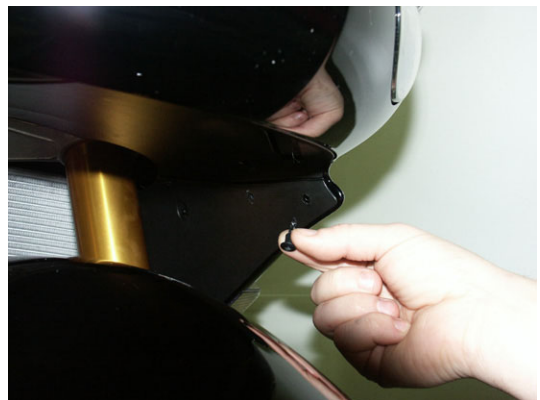
**Figure 29**



**Figure 30**



**Figure 31**



**Figure 32**

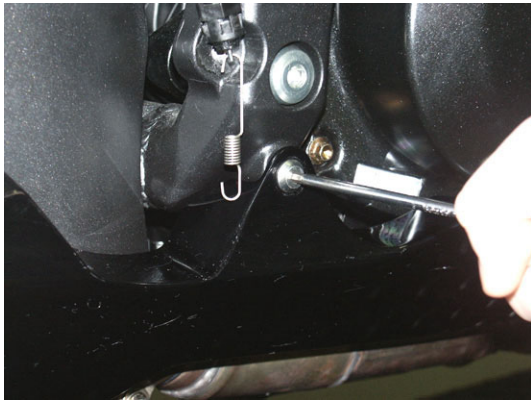




**Figure 33**



**Figure 34**



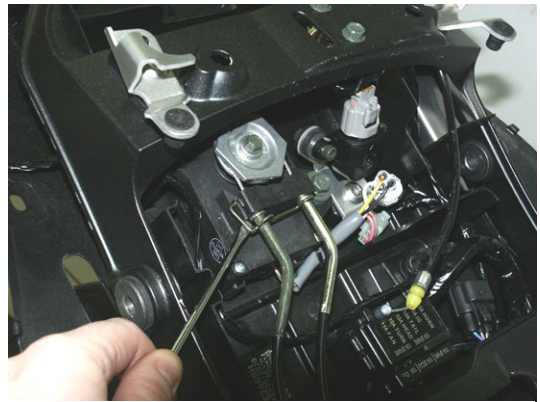
**Figure 35**



**Figure 36**



**Figure 37**



**Figure 38**

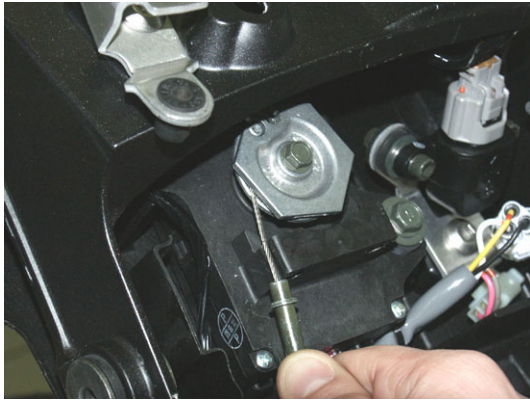


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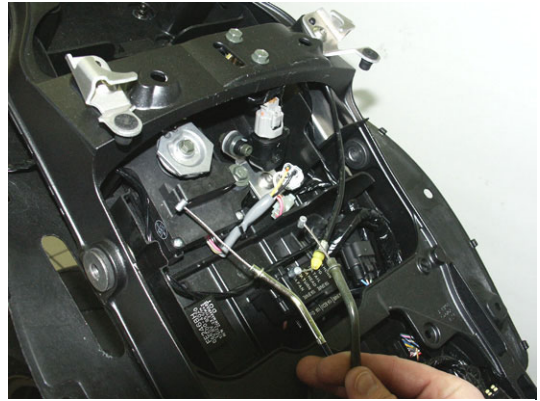


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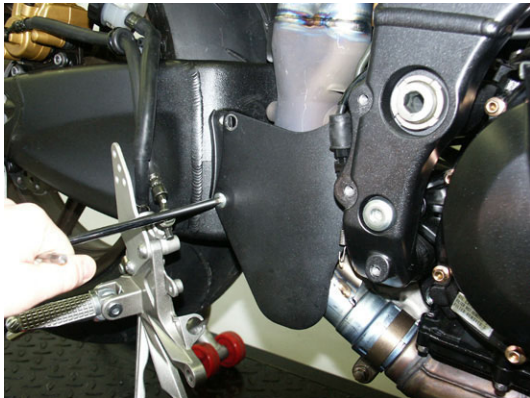




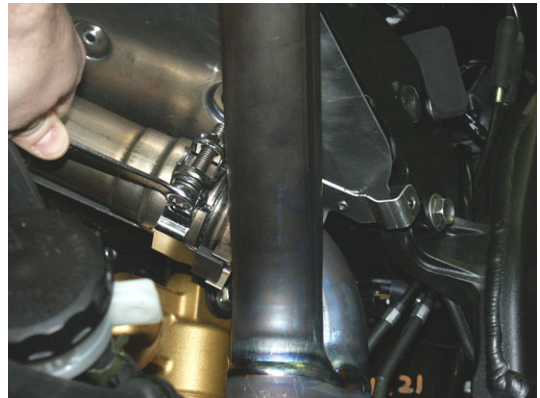
**Figure 41**



**Figure 42**



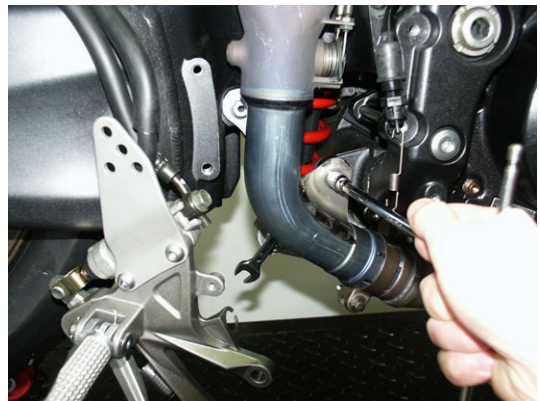
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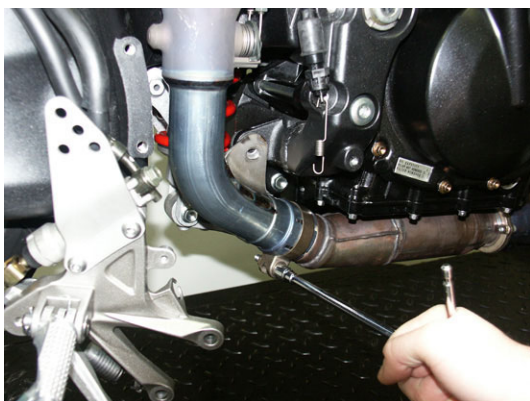
**Figure 44**



**Figure 45**



**Figure 46**

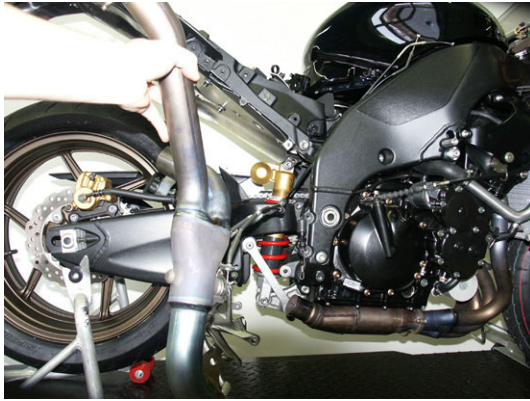


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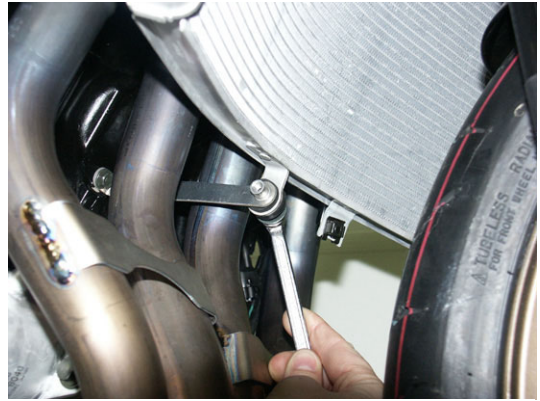


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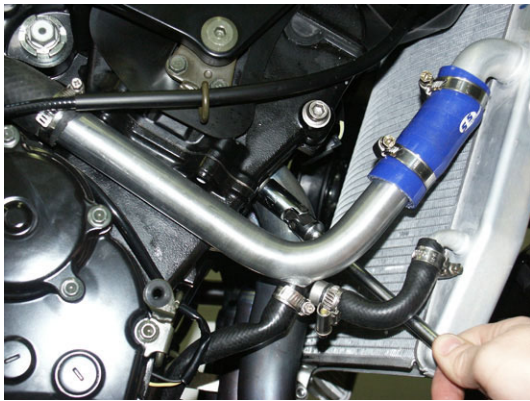




**Figure 49**



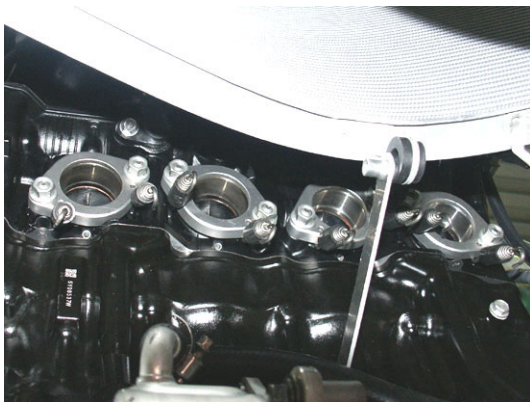
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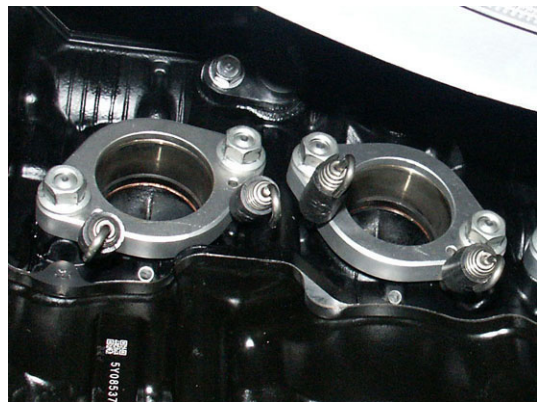
**Figure 51**



**Figure 52**



**Figure 53**



**Figure 53a**



**Figure 54**



**Figure 55**



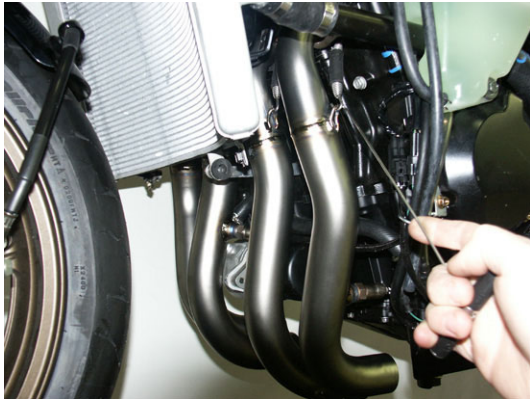


Figure 56



Figure 57



Figure 58

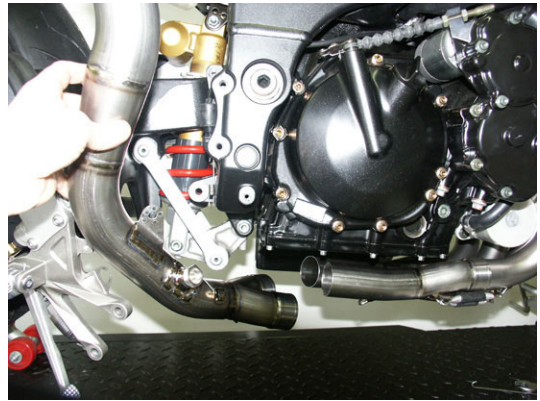


Figure 59



Figure 60

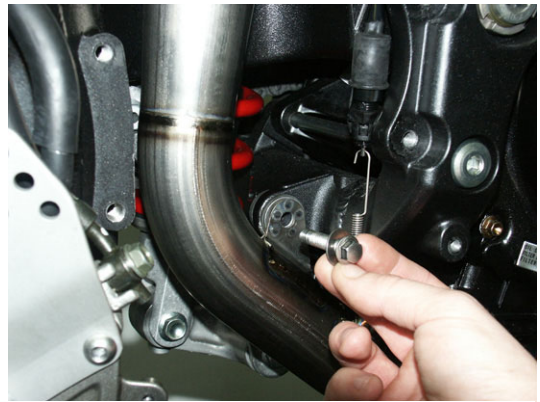


Figure 61

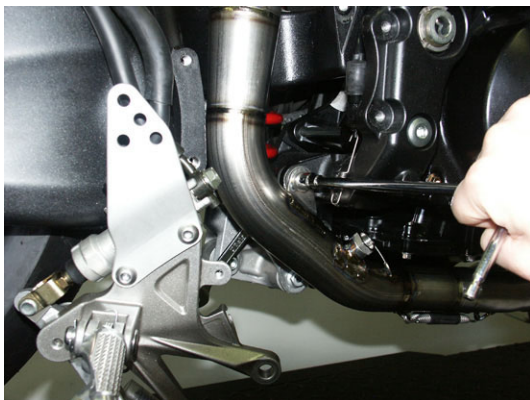


Figure 62

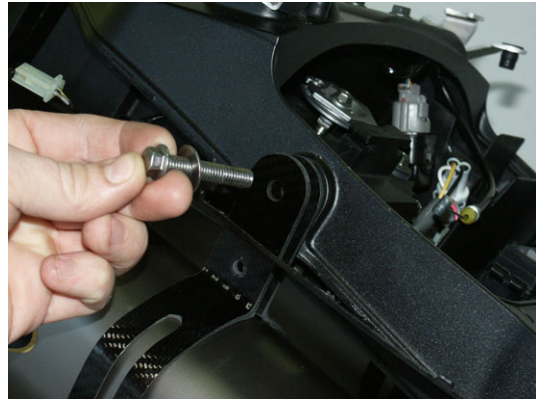


Figure 63

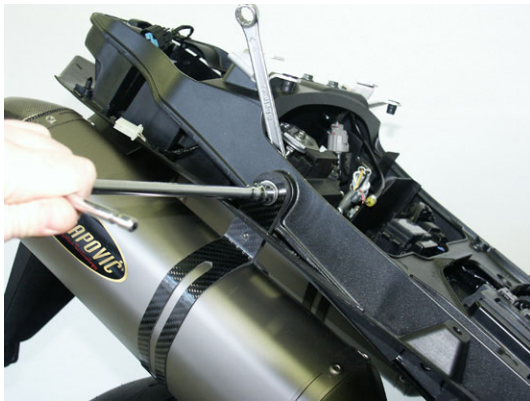




**Figure 64**



**Figure 65**



**Figure 66**



**Figure 67**



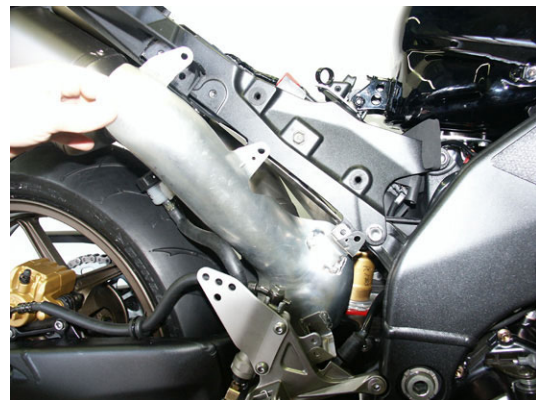
**Figure 68**



**Figure 69**

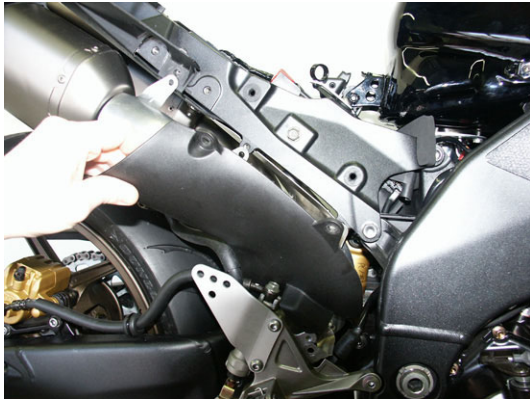


**Figure 70**



**Figure 71**





**Figure 72**



**Figure 73**



**Figure 74**



**Figure 75**



**Figure 76**



**Figure 77**



**Figure 78**



**Figure 79**



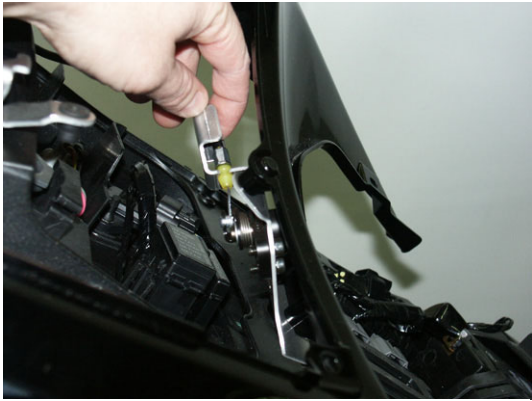


Figure 80



Figure 81



Figure 82

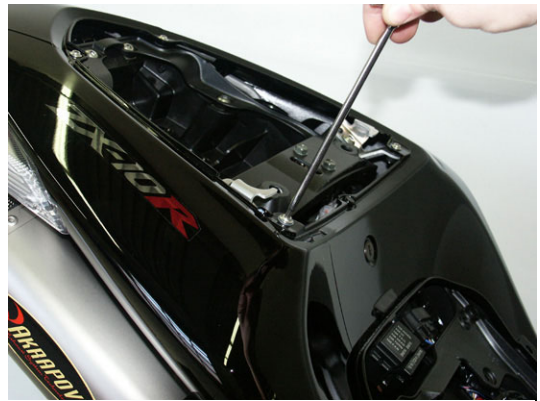


Figure 83



Figure 84



Figure 85

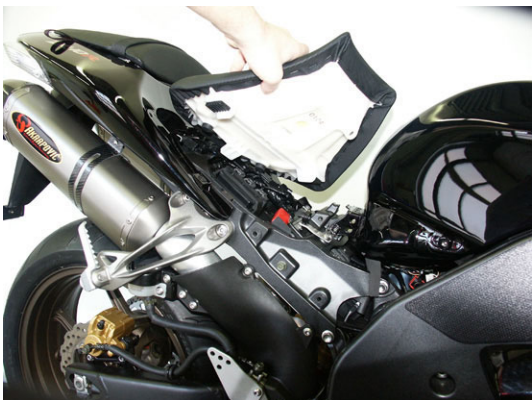


Figure 86



Figure 87





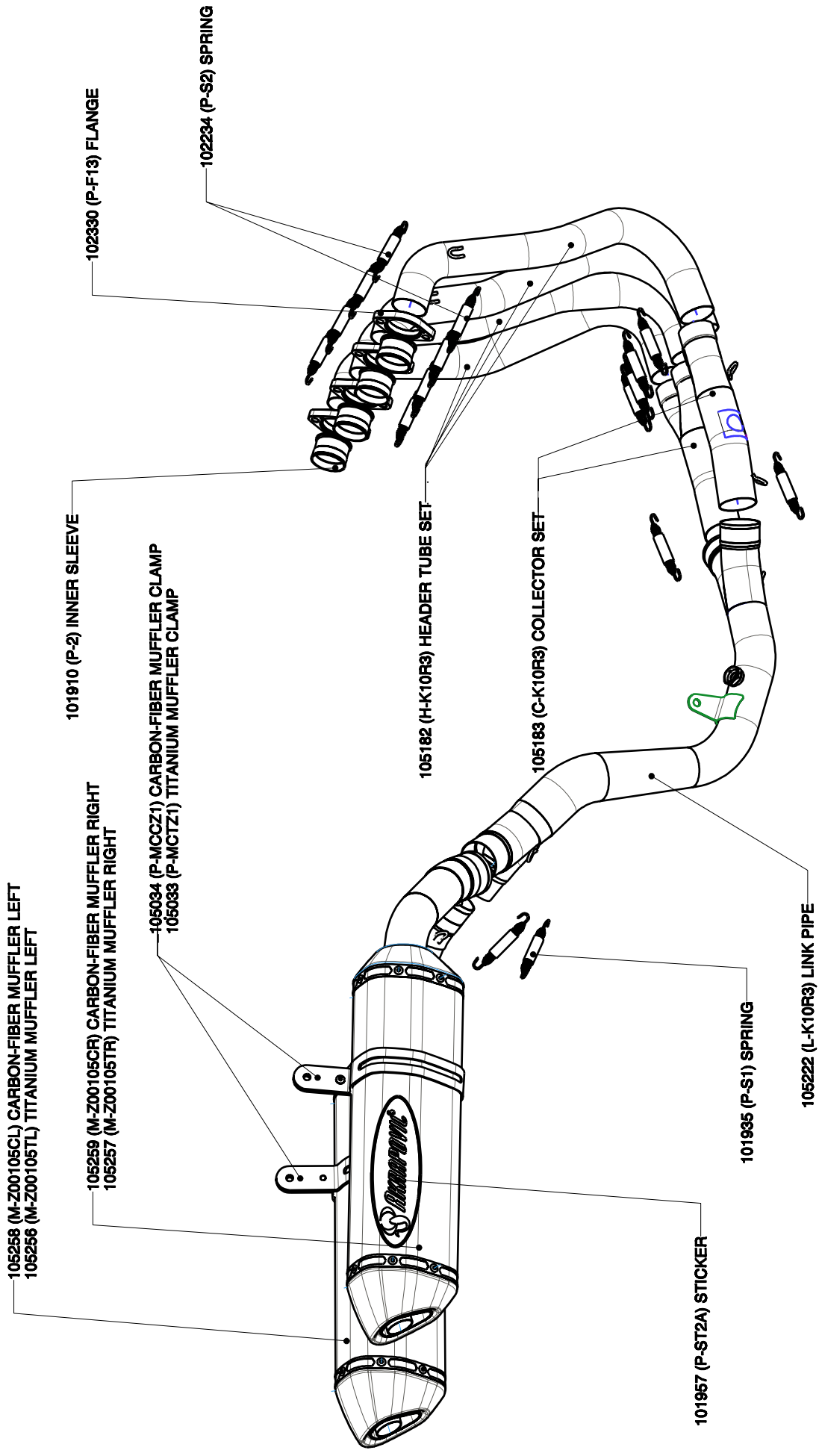
*Figure 88*



*Figure 89*

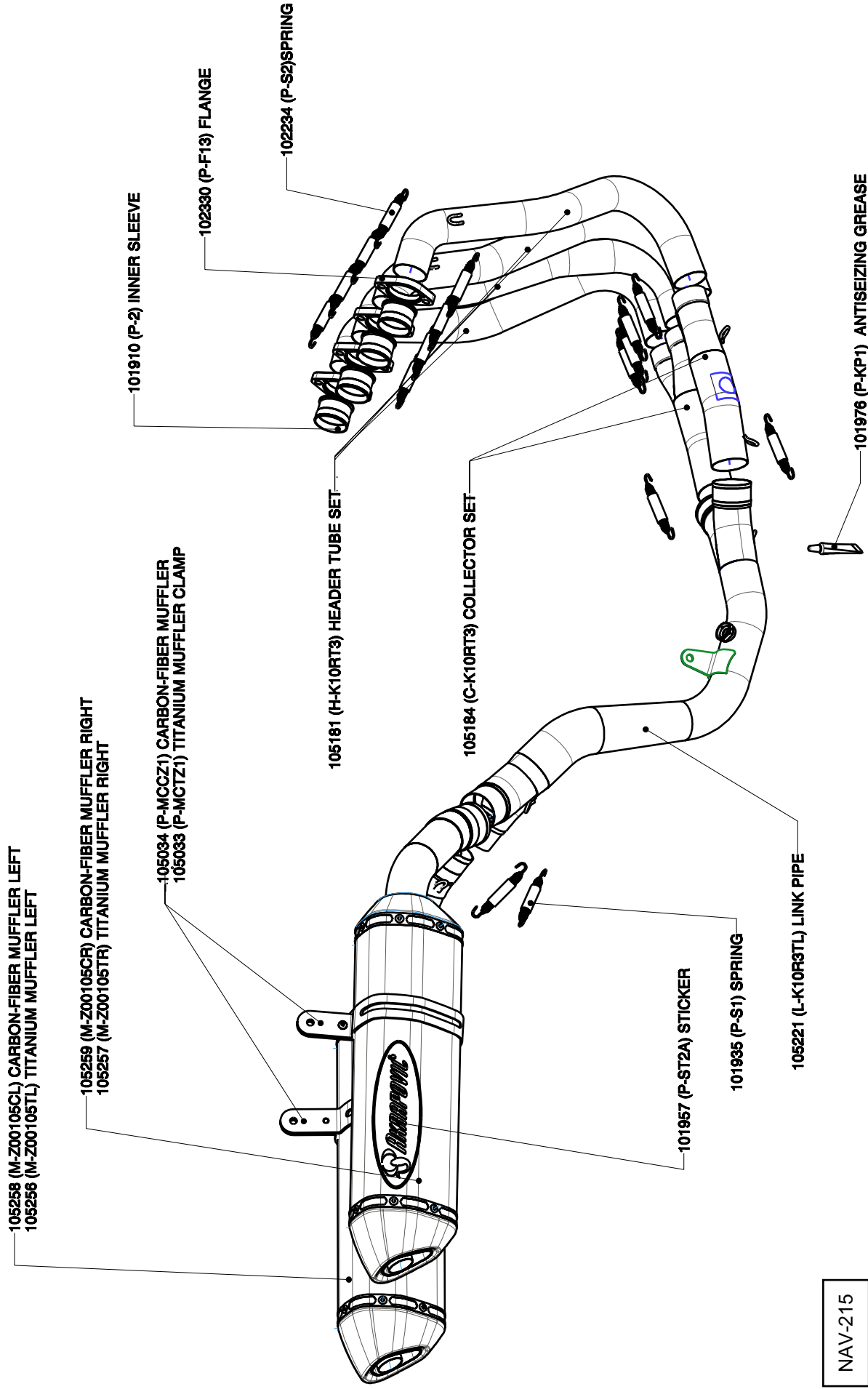
# KAWASAKI ZX-10R Complete system/Racing line, model year 2006

Product code: 105191 (S-K10R3-ZC)  
105192 (S-K10R3-ZT)



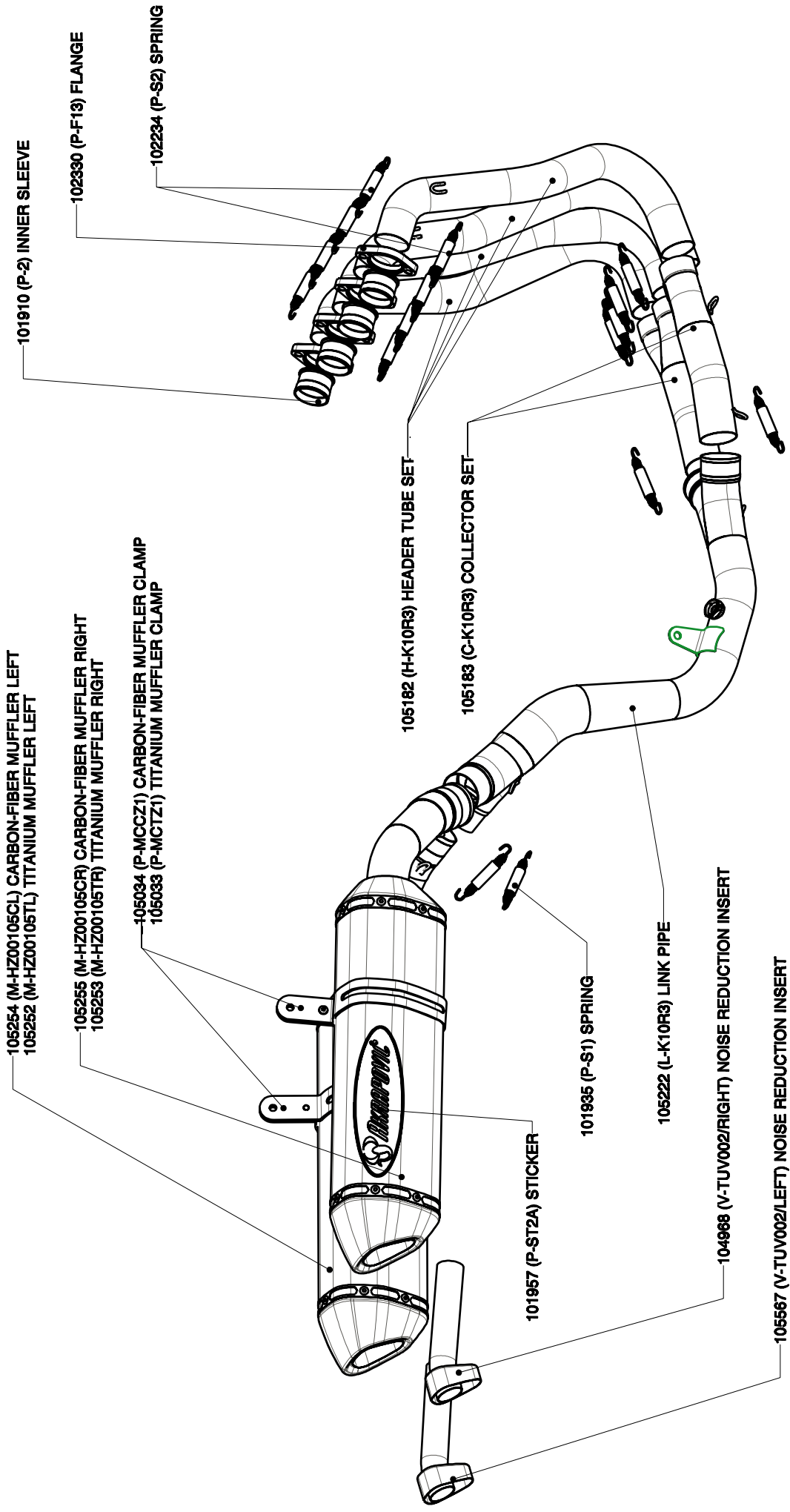
# KAWASAKI ZX-10R Complete system/Evolution line, model year 2006

Product code: 105189 (S-K10RFT3TL-ZC)  
105190 (S-K10RFT3TL-ZT)



# KAWASAKI ZX-10R Complete system/Racing line, model year 2006/HOMOLOGATED

Product code: 105188 (S-K10R3-HZC)  
105187 (S-K10R3-HZT)



# KAWASAKI ZX-10R Complete system/Evolution line, model year 2006/ HOMOLOGATED

Product code: 105186 (S-K10RFT3TL-HZC)  
 105185 (S-K10RFT3TL-HZT)

