

Installation instructions:

AKRAPOVIC RACING & EVOLUTION EXHAUST SYSTEM

for the BMW K1300R/S (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

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

Symbols

The following symbols are used throughout these installation instructions:



USE BOLT SEALANT; Apply 3 to 4 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.



Torx 25mm wrench
Torx 45mm wrench
Torx 30mm wrench
T-handle 12mm wrench
Combination 10mm wrench
Combination 13mm wrench
Combination 22mm 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. Unscrew and remove the stock heat shield (**Figure 1, 2**).



Figure 1



Figure 2

3. Unscrew the bolt from the metal clamp at the muffler - link pipe joint (**Figure 3, 4**). Unscrew the bolt from the muffler bracket and remove the muffler (**Figure 5, 6**).



Figure 3



Figure 4



Figure 5



Figure 6

4. Unscrew and remove the lambda sensor (Figure 7, 8). **CAUTION:** for K1300S model only: unscrew and remove the lower part of the engine cowling first!



Figure 7



Figure 8

5. Remove the seat and fuel tank cowlings (Figure 9 to 21). **WARNING!** be careful not to damage the electrical leads or connectors of the turn signals during process of cowling removal! Make sure, not to scraped or damage the cowlings.



Figure 9



Figure 10



Figure 11



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17

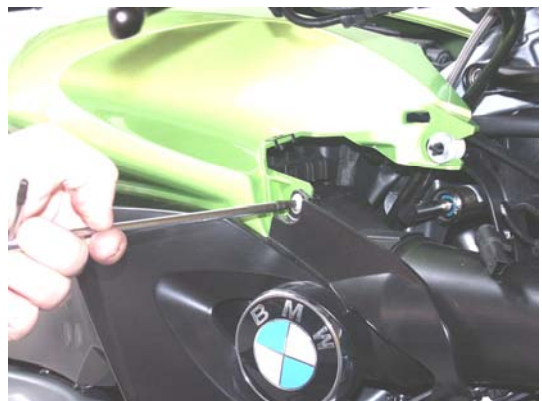


Figure 18



Figure 19



Figure 20



Figure 21

6. Undo the cable fastener and remove cable from the exhaust valve servo motor wheel (Figure 22, 23). **WARNING! do not turn the servo motor wheel with force (only by ignition key switching!) or the servo motor could be damaged.**



Figure 22



Figure 23

7. Undo the safety pins, remove the washers, unscrew the bolts and undo the lower part of the radiator cowling (Figure 24, 25, 26, 27).



Figure 24



Figure 25

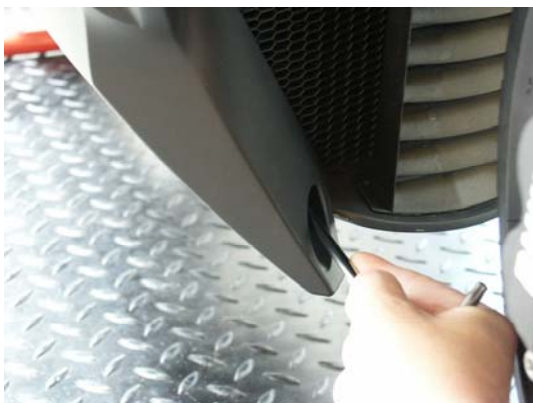


Figure 26



Figure 27

8. Undo the safety pins, remove the washers and remove the water cooler lower bracket (Figure 28, 29, 30, 31).

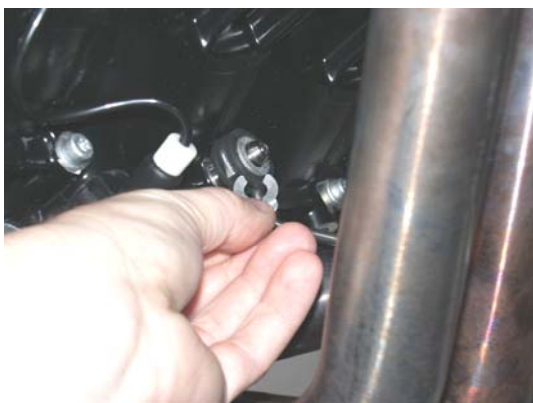


Figure 28



Figure 29



Figure 30



Figure 31

9. Unscrew the nuts from the header tube set flanges and remove the tube set (Figure 32, 33). **WARNING! make sure not to damage the cooling fins of the water cooler or any other part of the motorcycle!** Leave the stock gaskets in the exhaust ports.



Figure 32



Figure 33

INSTALLATION OF THE AKRAPOVIC RACING OR EVOLUTION EXHAUST SYSTEM:

1. Set up the sleeves together with the flanges and springs; make sure they are correctly oriented (Figure 34, 35). Hand tighten the flanges; make sure they are correctly oriented (Figure 36). **WARNING! make sure not to damage the cooling fins of the water cooler or any other part of the motorcycle!**



Figure 34



Figure 35



Figure 36

2. Insert the header tubes properly and attach the springs (Figure 37, 38).. Make sure not to damage the cooling fins. **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!** Tighten the flanges (Figure 39). Make sure the header tubes are not touching the engine, oil cooler or other parts of the motorcycle.



Figure 37



Figure 38

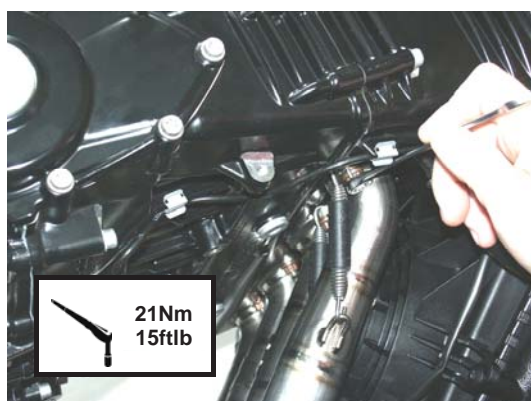


Figure 39

3. Make sure that collectors are correctly oriented. Slide the collectors onto the header tubes and attach the springs; **For Evolution exhaust only:** coat the interior side of the input bushes of the titanium collector with Akrapovic ceramic anti-seizing grease - white tube (Figure 40, 41). **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!** Make sure the collectors are not touching the frame or any other parts of the motorcycle.



Figure 40



Figure 41

4. Slide the link pipe onto the collectors and attach the springs; **For Evolution exhaust only:** coat the interior side of the input bushes of the titanium collectors with Akrapovic ceramic anti-seizing grease - white tube (Figure 42, 43). **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!** Make sure the link pipe is not touching the frame and other parts of the motorcycle.



Figure 42



Figure 43

5. Tighten the lambda sensor; make sure the electrical lead is correctly positioned (Figure 44, 45). **WARNING!** grease only the threads of the lambda sensor! **WARNING!** make sure, that you do not damage the lambda sensor's electrical lead.



Figure 44

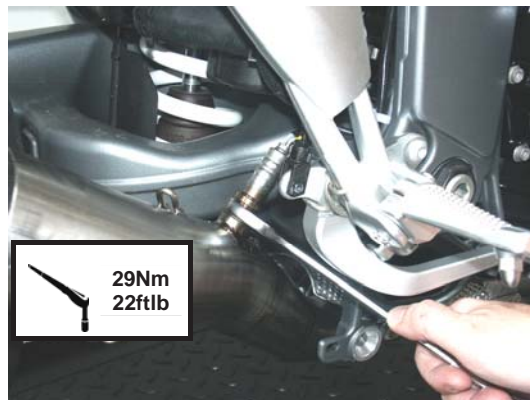


Figure 45

6. Insert the catalyst converter (optional) into the link pipe (Figure 46). 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 47).



Figure 46



Figure 47

7. Position the muffler correctly and slide it onto the outlet side of the link pipe. **For Evolution exhaust only:** coat the interior side of the input bushes of the muffler with Akrapovic ceramic anti-seizing grease-white tube. Hand tighten the muffler clamp to the bracket and attach the springs. **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 48, 49, 50).



Figure 48



Figure 49



Figure 50

8. Align the muffler in respect to the motorcycle and tighten up the muffler clamp onto the stock muffler bracket (Figure 51). Make sure the link pipe or muffler are not touching the frame, swing arm or any other part of the motorcycle. Attach the fuel tank cowlings in the reverse order from the order in which they were removed and connect the turn signal electrical connectors. (Figure 52, 53, 54, 55, 56, 57, 58). **CAUTION: for K1300S model only: attach the lower part of the engine cowling in the reverse order from the order in which they were removed (tightening torque for eight M5 bolts: 4.9Nm / 3.6ftlb).**



Figure 51



Figure 52



Figure 53



Figure 54



Figure 55



Figure 56



Figure 57



Figure 58

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 system (Figure 59, 60).



Figure 59



Figure 60

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.

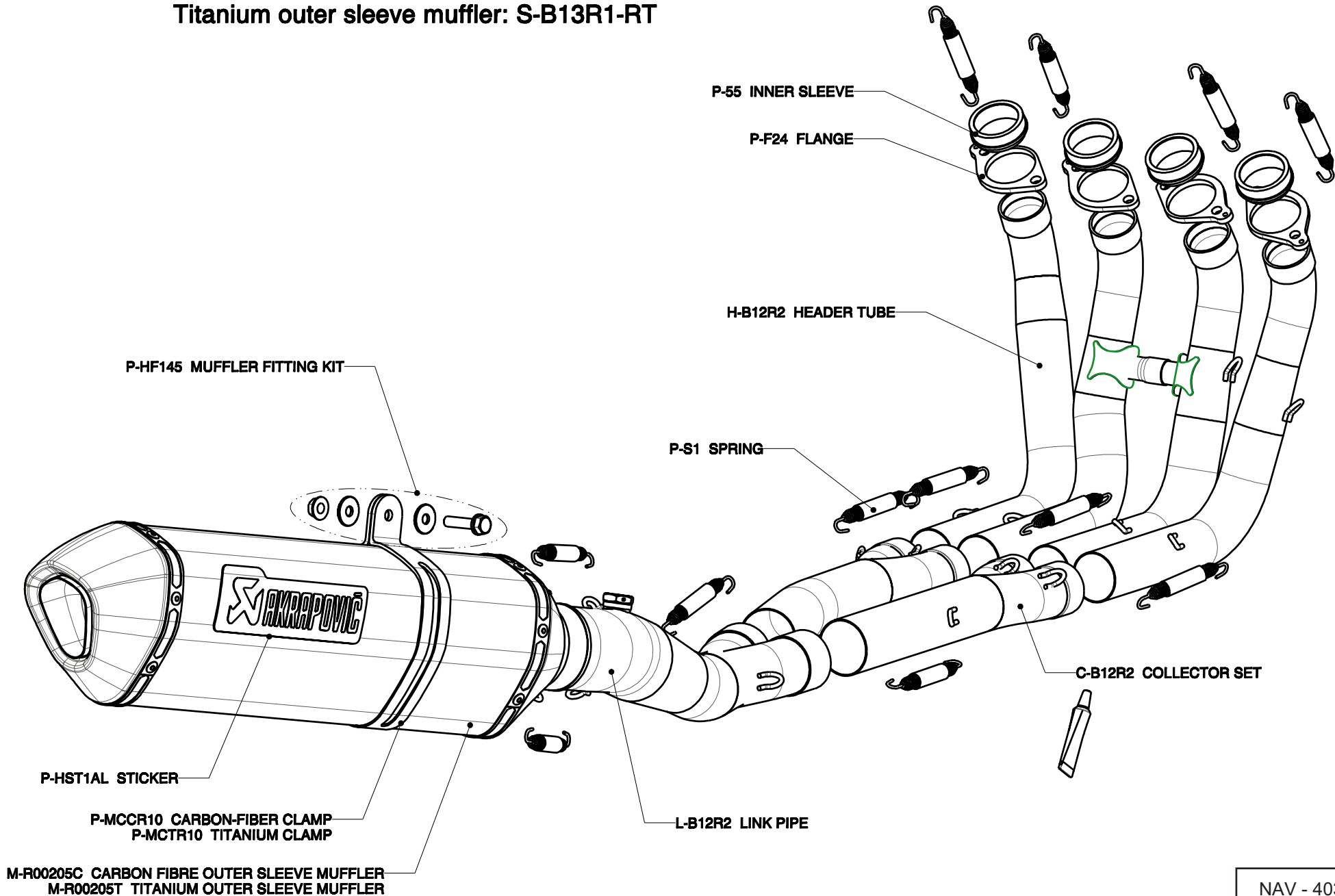
! DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIC EXHAUST SYSTEMS.

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.

BMW K1200S / K1200R / K1200RS Complete Exhaust System, Racing Line, Model Year: 2005-2008/ OPEN
BMW K1300S / K1300R Complete Exhaust System, Racing Line, Model Year: 2009/ OPEN

Product code: Carbon fibre outer sleeve muffler: S-B13R1-RC
Titanium outer sleeve muffler: S-B13R1-RT



BMW K1200S / K1200R / K1200RS Complete Exhaust System, Evolution Line, Model Year: 2005-2008/ OPEN
BMW K1300S / K1300R Complete Exhaust System, Evolution Line, Model Year: 2009/ OPEN

Product code: Carbon fiber outer sleeve muffler: S-B13RFT1TL-RC
Titanium outer sleeve muffler: S-B13RFT1TL-RT

