



## Installation instructions

Akrapović Exhaust System:

**Slip-On**

for the

**ABARTH 500**

**ABARTH 500C**





## Installation instructions

Akrapovič Exhaust System:

**Slip-On**

for the

**ABARTH 500**

**ABARTH 500C**

**Congratulations on purchasing an Akrapovič exhaust system. Please read the entire installation manual prior to undertaking any activities related to installation of your new Akrapovič exhaust system. In case you do not fully understand the manual or any of its parts, please contact your authorized dealer!**

**This product should be installed by someone with sufficient knowledge of exhaust systems and their installation, and appropriate hand or power tools. If you are not qualified for this work, please utilize a certified mechanic for installation. By installing Your Akrapovič exhaust system, you indicate that you have read the installation manual in its entirety and you agree with the terms stated herein.**

**It is your responsibility to follow all installation instruction guidelines supplied with the Akrapovič exhaust system and undertake all necessary safety precautions. Akrapovič d.d. assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.**

## **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.



1. 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.
2. Technical specifications of Akrapovič exhaust systems and related products are subject to change without notice.
3. Before removing the original exhaust system from your vehicle, please compare the parts you received with the list of materials provided in the installation manual in order to assure that you have all the parts necessary for the installation of your new Akrapovič exhaust system.
4. Although this manual consists of instructions for installation in written form, as well as photographs and pictures representing individual steps of the installation, please note that the photographs and pictures are symbolic and are intended for representation of general overview only. The photographs and pictures contained herein should serve as a guideline only and actual installation of the exhaust system may not correspond with the photographs and pictures entirely.
5. The process of uninstalling the original exhaust system may vary depending on the existing exhaust system. Please follow the original exhaust system manufacturer's instructions for uninstalling the original exhaust system.

## 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 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 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.**



Hexagon socket 13mm  
Hexagon socket 15mm  
Hexagon socket 17mm  
T-handle swiveling 10mm wrench  
T-handle 7mm wrench  
Cutting nippers  
Pry bar



**BEFORE INSTALLING, CHECK THE 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:**

Put the vehicle onto a car lift.

**!** **WARNING:** ensure that the car is lifted safely and properly in order to avoid the risk of vehicle damage, injury, or even death!

1. Untighten the marked original clamp (Figure 1).



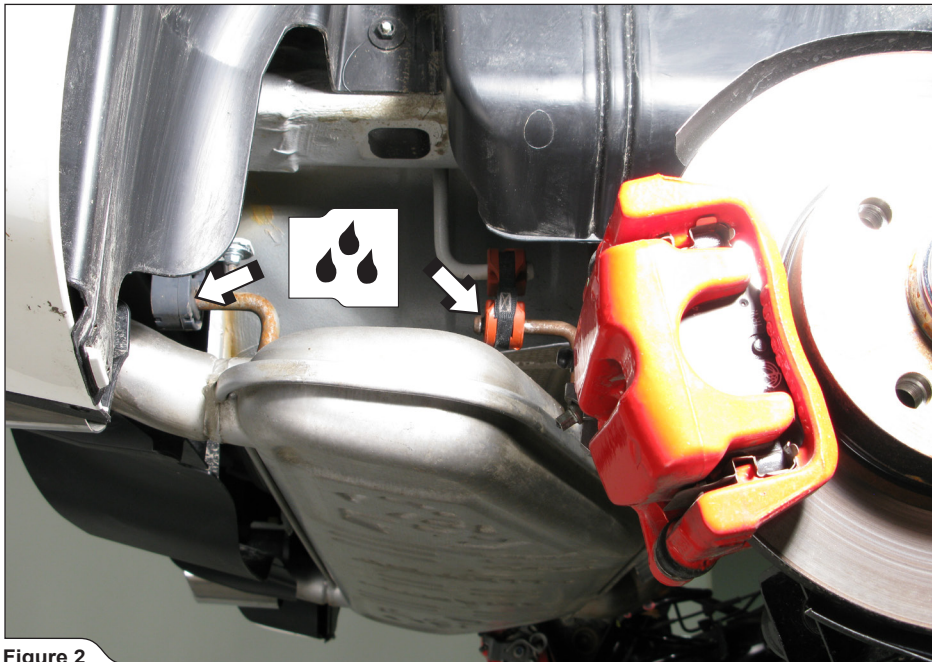
**Figure 1**

2. Carefully pull the rubber brackets off the muffler's brackets, using flat pry bar and remove the original muffler off the vehicle (**Figure 2, 3**).

**✂ INSTALLATION TIP:** for easier dismounting, disassemble the rear wheels.

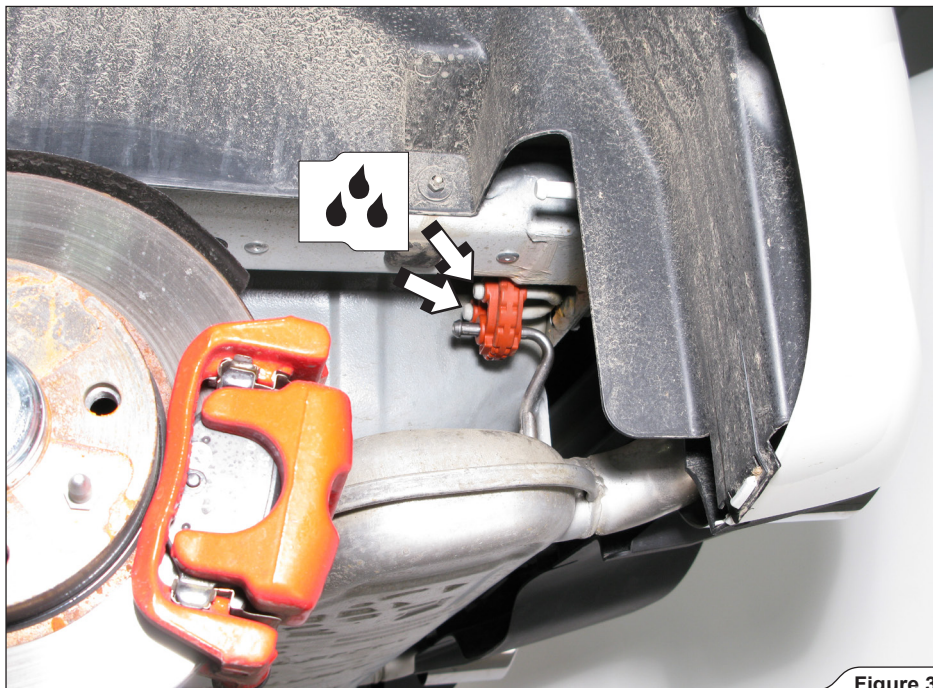
**✂ INSTALLATION TIP:** for easier dismounting, lubricate the original rubber brackets (WD40).

**! WARNING:** make sure, that you support the original muffler during this process or you could injure yourself or damage the vehicle!



**Figure 2**

**! WARNING:** make sure, not to damage the rubber brackets or any other part of the vehicle during this process!



**Figure 3**

## **INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:**

1. Assemble the clamps and connection pipe onto the muffler's inlet pipes and original left rubber bracket onto the Akrapovič muffler's left bracket, as shown (**Figure 4**).

! **WARNING:** use anti-seize copper paste on all clamps' bolt threads!

! **CAUTION:** in case you choose to grind off the spot welds and brake the connection pipe's seal off, the Akrapovič exhaust system homologation is not valid!

 **INSTALLATION TIP:** for easier mounting, lubricate the original rubber bracket (WD40).



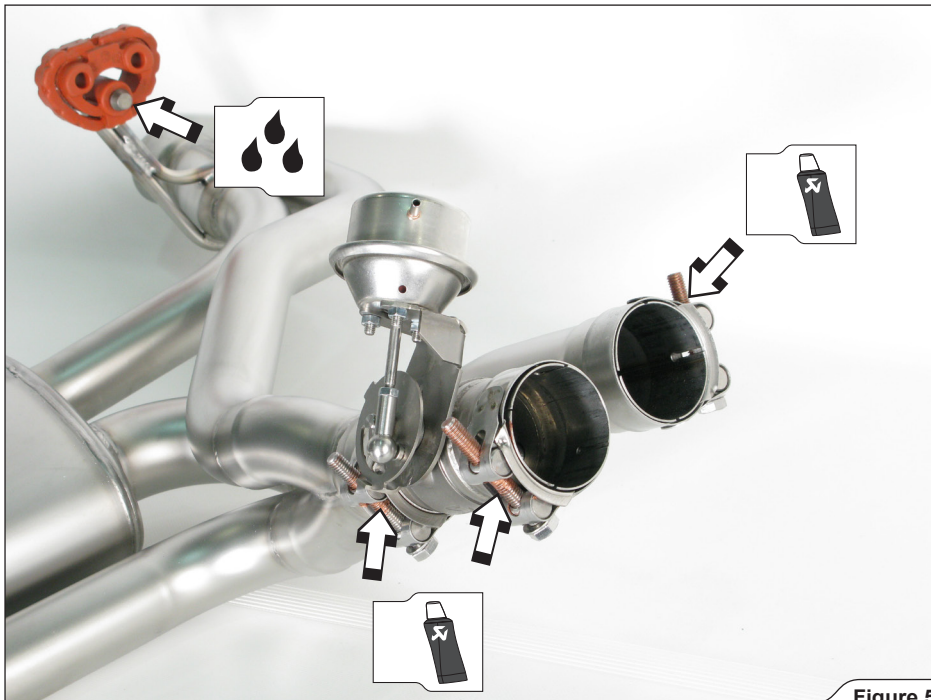
**Figure 4**



2. **For optional wireless kit only:** assemble the clamps and connection pipe with exhaust valve onto the muffler's inlet pipes and original left rubber bracket onto the Akrapovič muffler's left bracket, as shown (Figure 5).

**! WARNING:** use anti-seize copper paste on all clamps' bolt threads!

**✂ INSTALLATION TIP:** for easier mounting, lubricate the original rubber bracket (WD40).



**Figure 5**



3. Fully unscrew the clamp's nut and assemble it onto the middle pipe. Position the clamp exactly as shown (**Figure 6**).

**! WARNING: use anti-seize copper paste on clamps' bolt and nut threads!**



**Figure 6**

4. Slide the middle pipe onto the original pipe and hand tighten the clamp (**Figure 7**).

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



**Figure 7**

5. Carefully re-form the original aluminium heat shield as shown (Figure 8, 9).

! **WARNING:** make sure not to crack or in any other way damage the heat shield!

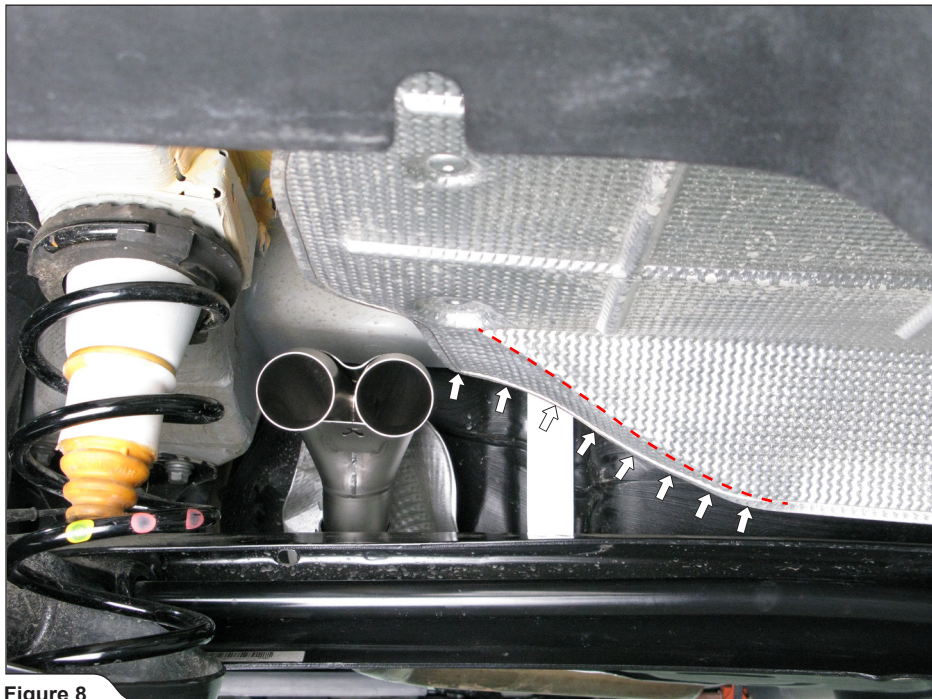


Figure 8



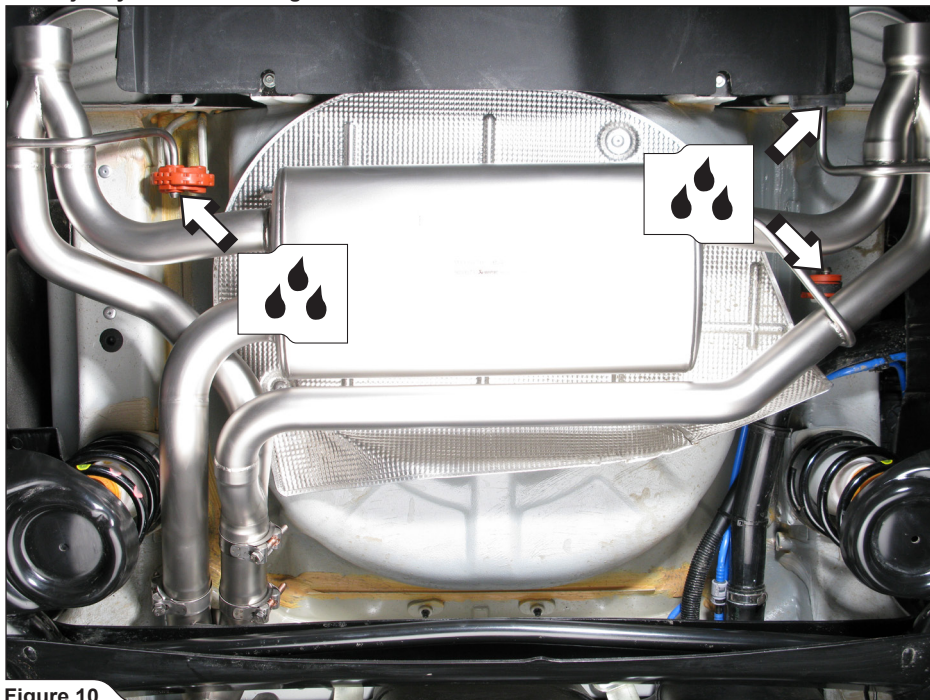
Figure 9



6. Slide the muffler onto the middle pipe and hang the muffler onto the original rubber brackets. Center the muffler in respect to the rear bumper's tail pipe outlets (**Figure 10**).

**✂** **INSTALLATION TIP:** for easier mounting, lubricate the original rubber brackets (WD40).

**!** **WARNING:** make sure, that you support the muffler during this process or you could injure yourself or damage the vehicle!



**Figure 10**

7. **For optional wireless kit only:** rotate the connection pipe with exhaust valve and orient the clamps as shown (Figure 11).

**! WARNING:** make sure, that exhaust valve doesn't touch any part of the exhaust system or the vehicle chassis!

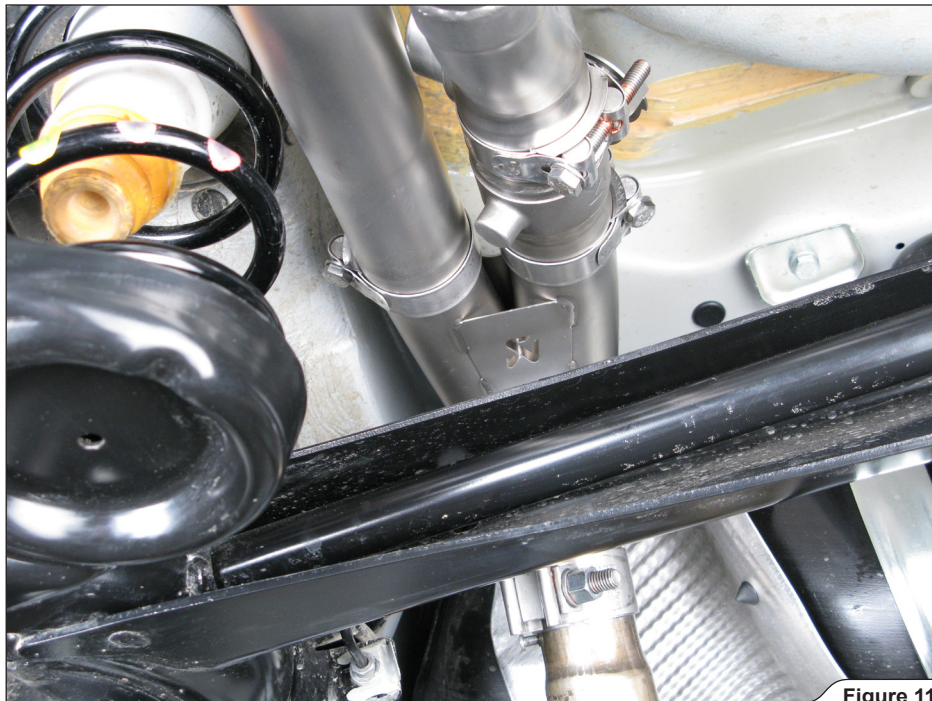
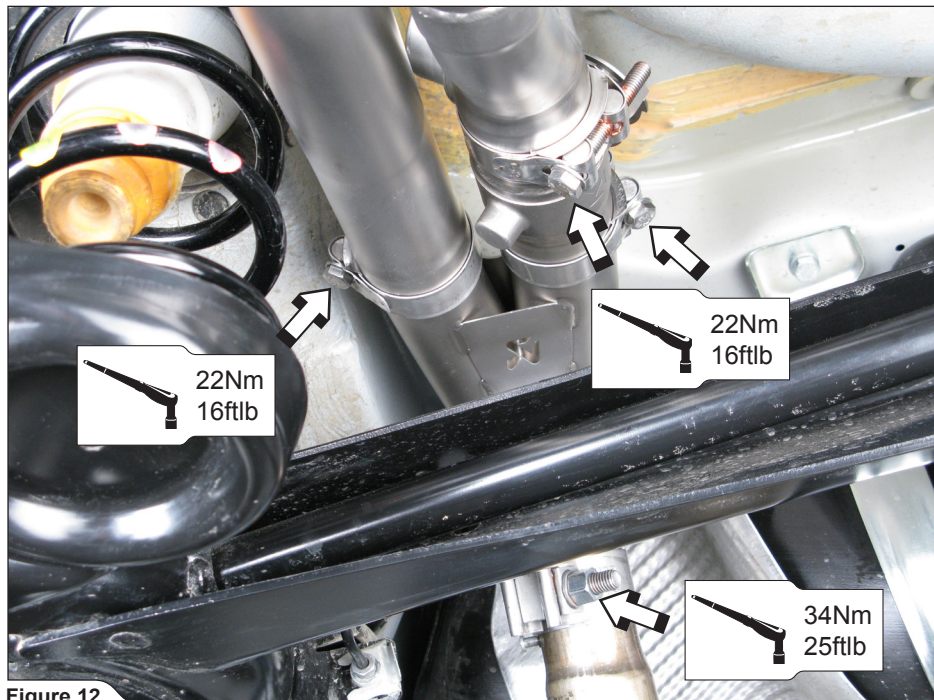


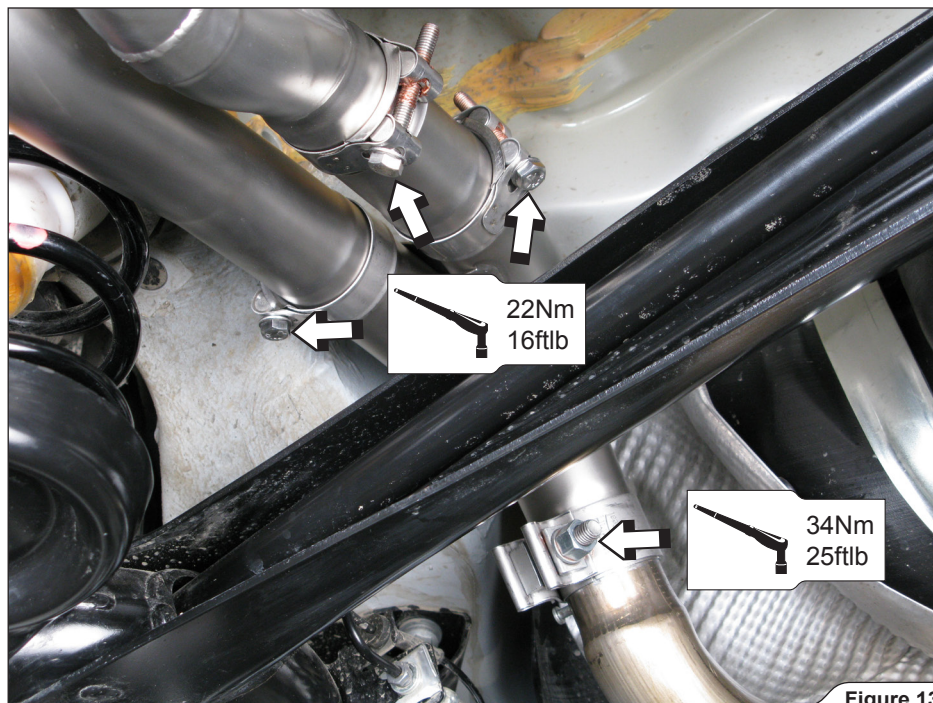
Figure 11

8. For optional wireless kit only: tighten the clamps to the specified torques (**Figure 12**).



**Figure 12**

9. Orient the clamps as shown and tighten them to the specified torques (**Figure 13**).



**Figure 13**



10. Assemble the clamps and spherical rings onto the tail pipes, as shown (Figure 14).

**! WARNING: use anti-seize copper paste on clamp bolt threads!**



**Figure 14**

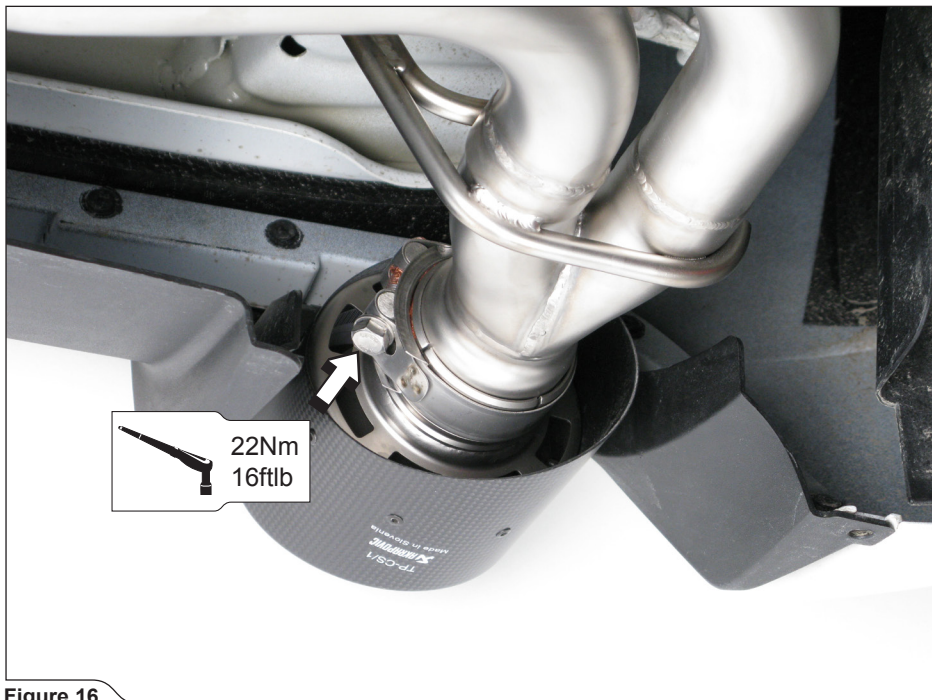
11. Slide the tail-pipes onto the muffler outlets. Rotate and center them in respect to rear bumper and according to your personal taste (**Figure 15**).

**! CAUTION:** in case the tail pipes can't be centered in respect to the bumper's outlets, repeat the adjustment of original pipe-middle pipe-muffler inlet pipes joints (**Figure 11**).



**Figure 15**

12. Tighten tail pipe clamps to the specified torque on both sides and assemble the rear wheels back onto the vehicle (**Figure 16**).



**Figure 16**

13. **For optional wireless kit only:** unscrew the marked bolts and remove the engine cover (Figure 17).



Figure 17

14. **For optional wireless kit only:** remove both fuse box covers (**Figure 18**).

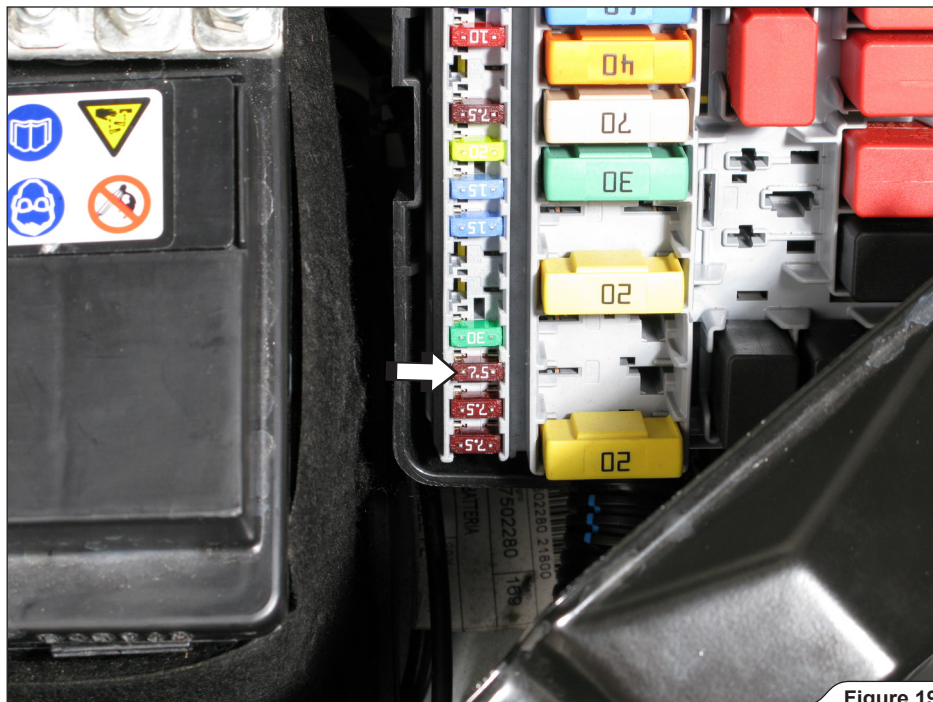
**! WARNING:** make sure not to damage any part of the vehicle during this process!



**Figure 18**



15. **For optional wireless kit only:** remove the marked 7.5A fuse from F16 fuse spot (**Figure 19**).



**Figure 19**

16. **For optional wireless kit only:** insert the 7.5A fuse into the transmitter's fuse connector (Figure 20).

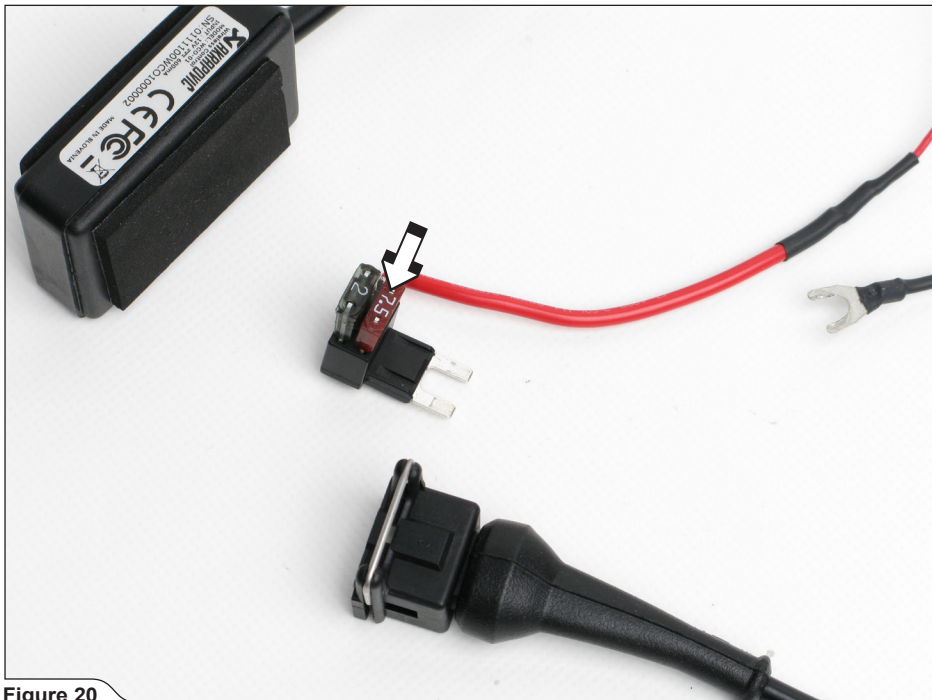


Figure 20

17. **For optional wireless kit only:** insert the transmitter's fuse connector into the F16 fuse spot, tuck the transmitter into the fuse box, tighten the ground connector (black thin wire) to the negative pole of the battery and secure the wires using tie wraps, as shown (Figure 21).

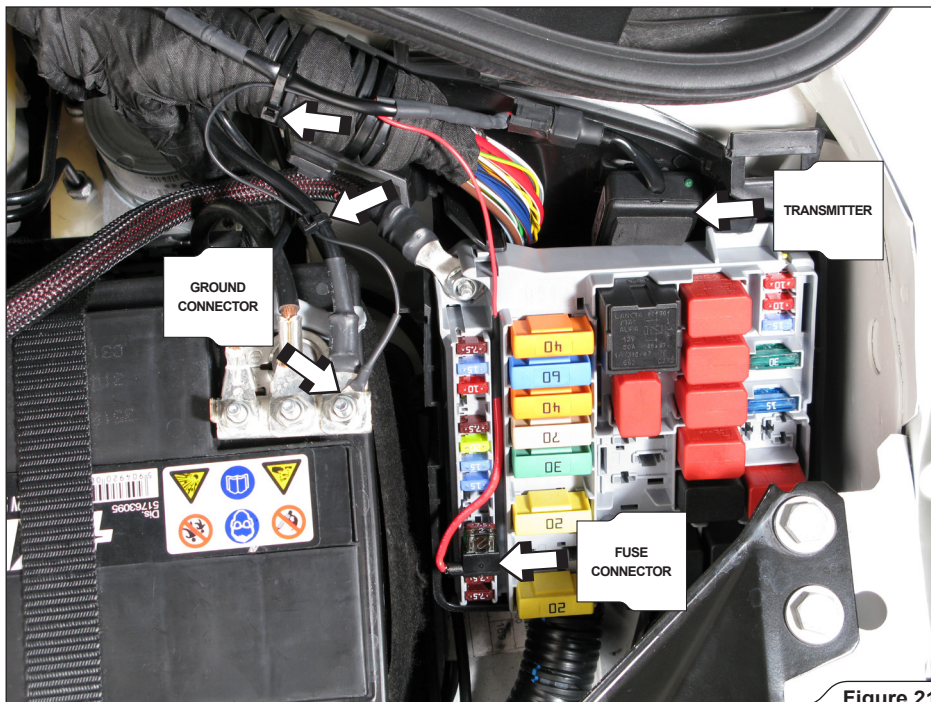


Figure 21



18. **For optional wireless kit only:** carefully pull the marked vacuum tube off the vacuum distributor (Figure 22).

**! WARNING:** make sure not to damage any part of the vehicle during this process!

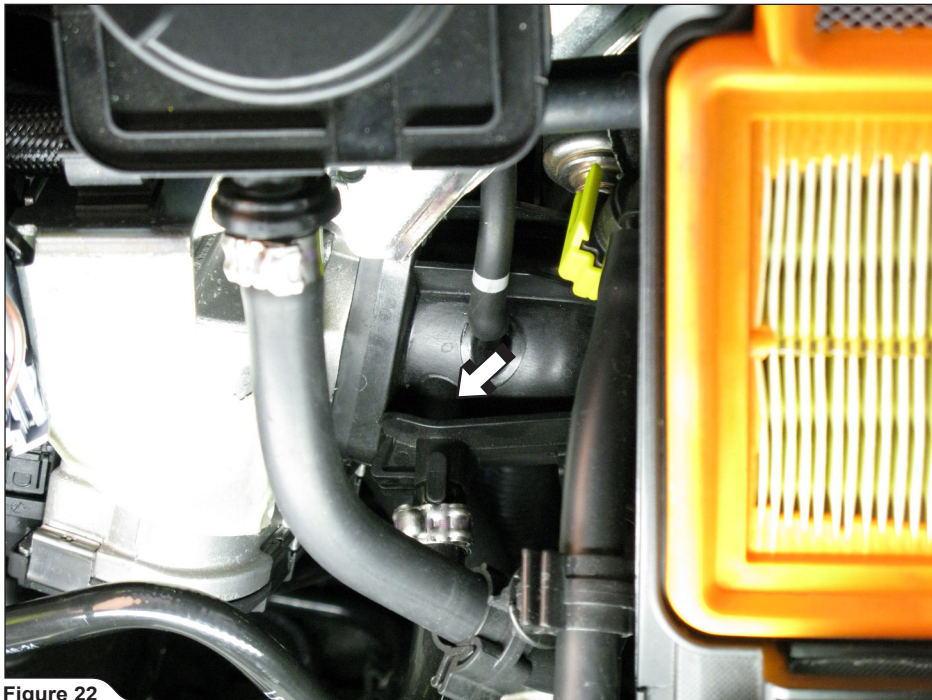


Figure 22

19. **For optional wireless kit only:** instal the Akrapovič electromagnetic valve assembly between the original vacuum tube and vacuum distributor, as shown (**Figure 23, 24**).



**Figure 23**

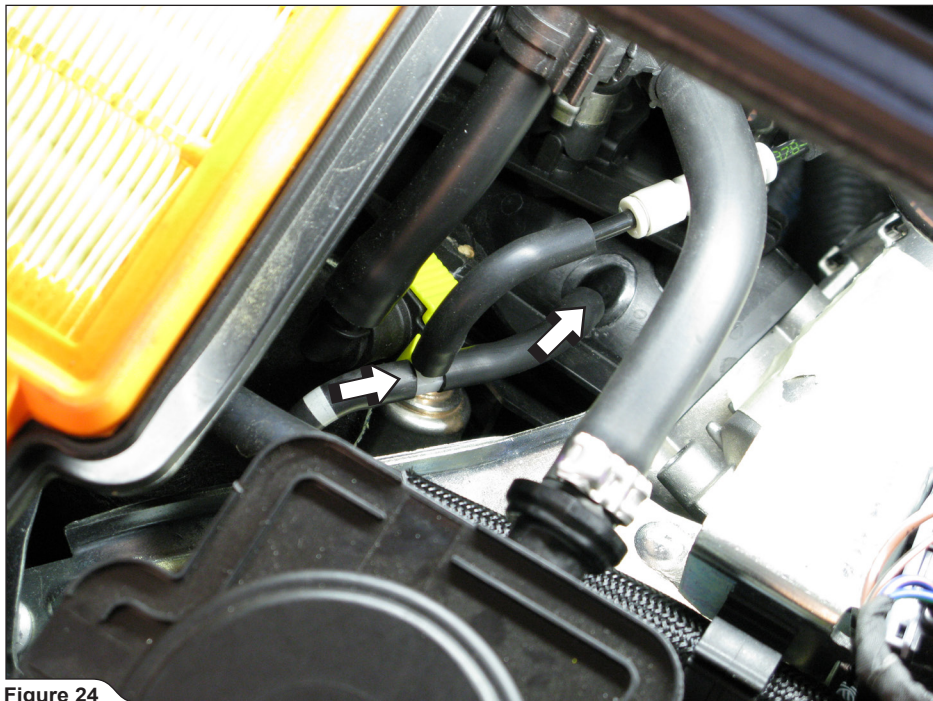


Figure 24

20. **For optional wireless kit only:** screw the electromagnetic valve's bracket onto the chassis, using marked original bolt (**Figure 25**).

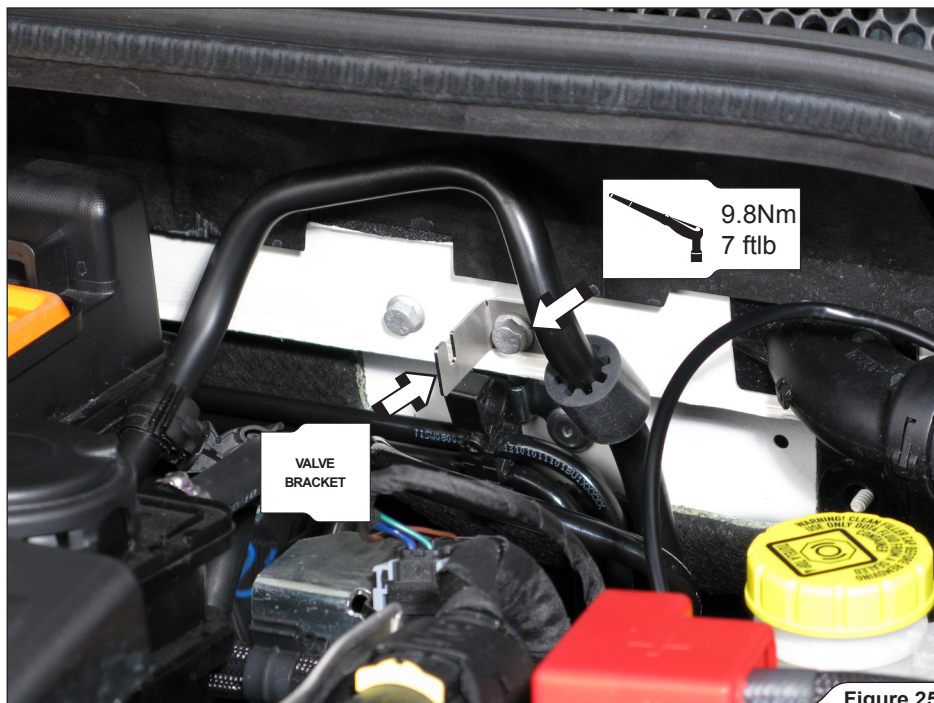
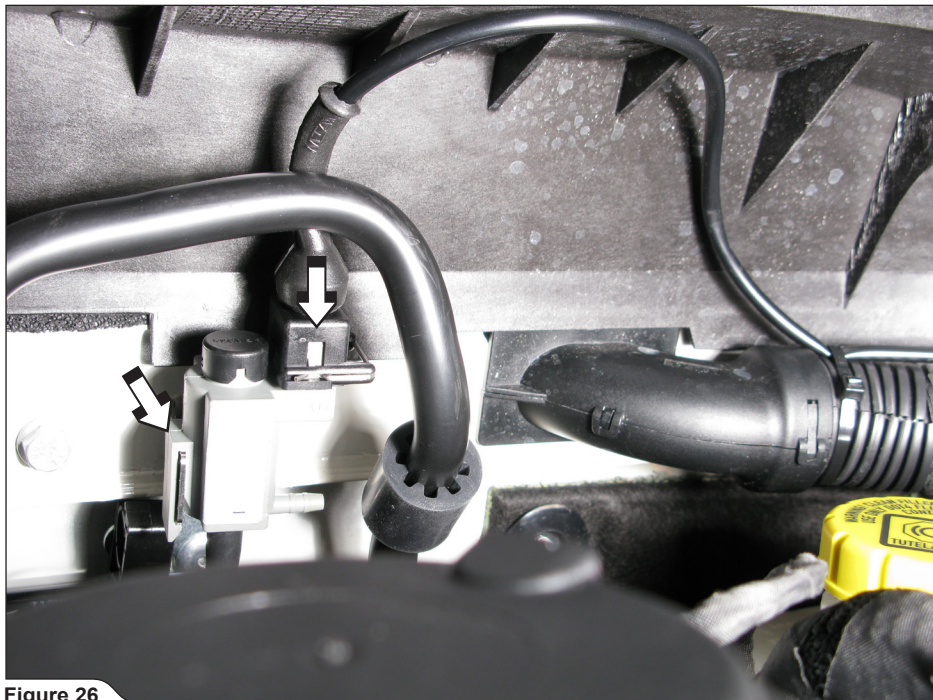


Figure 25

21. **For optional wireless kit only:** clip the electromagnetic valve onto the bracket and plug the transmitter's connector onto the valve (**Figure 26**).



**Figure 26**



22. **For optional wireless kit only:** grind the lower fuse box cover as shown (Figure 27).



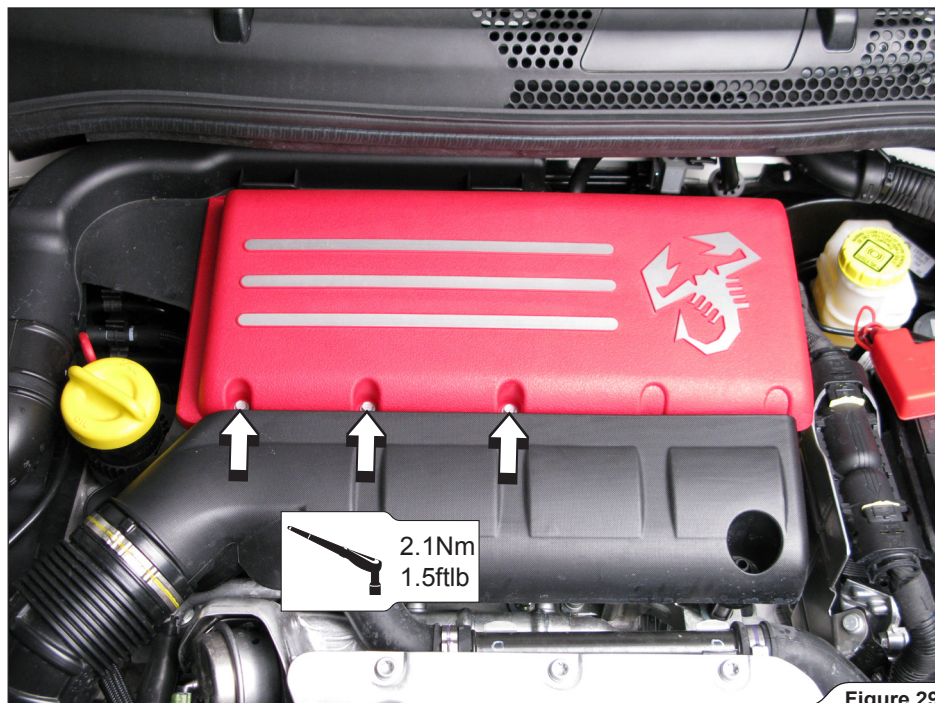
**Figure 27**

23. **For optional wireless kit only:** assemble both covers back onto the fuse box (**Figure 28**).
- ! **WARNING:** make sure not to damage any part of the vehicle or transmitter during this process!



**Figure 28**

24. **For optional wireless kit only:** reinstall the engine cover (Figure 29).



**Figure 29**



25. **For optional wireless kit only:** unscrew the marked bolts and nut. Remove the installations protection off the vehicle (**Figure 30**).

! **WARNING:** make sure not to damage any part of the vehicle during this process!

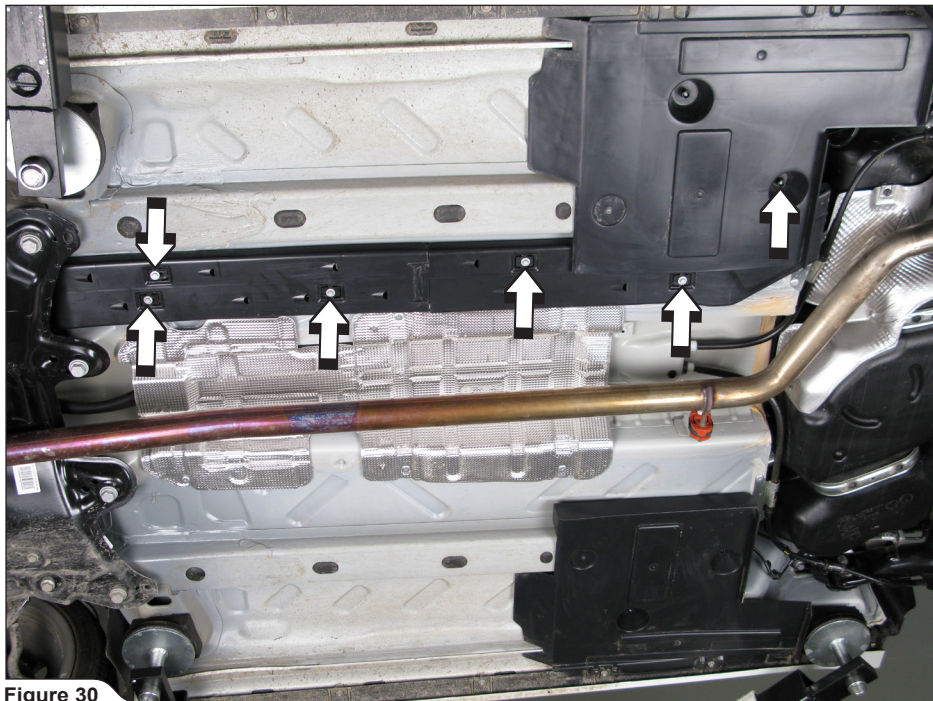
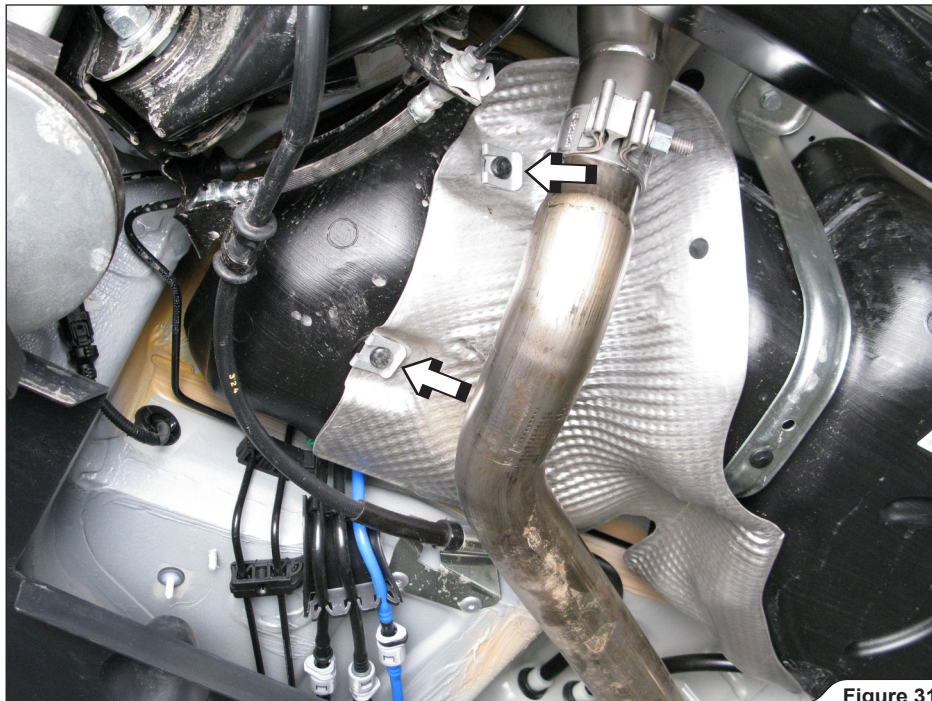


Figure 30

26. **For optional wireless kit only:** undo the two marked heat shield's clips (**Figure 31**).



**Figure 31**

27. **For optional wireless kit only:** connect the Akrapovič rubber vacuum hose to the vacuum actuator and direct the hose to the electromagnetic valve in the engine compartment, as shown (Figure 32, 33, 34, 35, 36).

! **WARNING:** direct the rubber vacuum hose in such a way, that it doesn't touch any hot or moving parts of the vehicle!

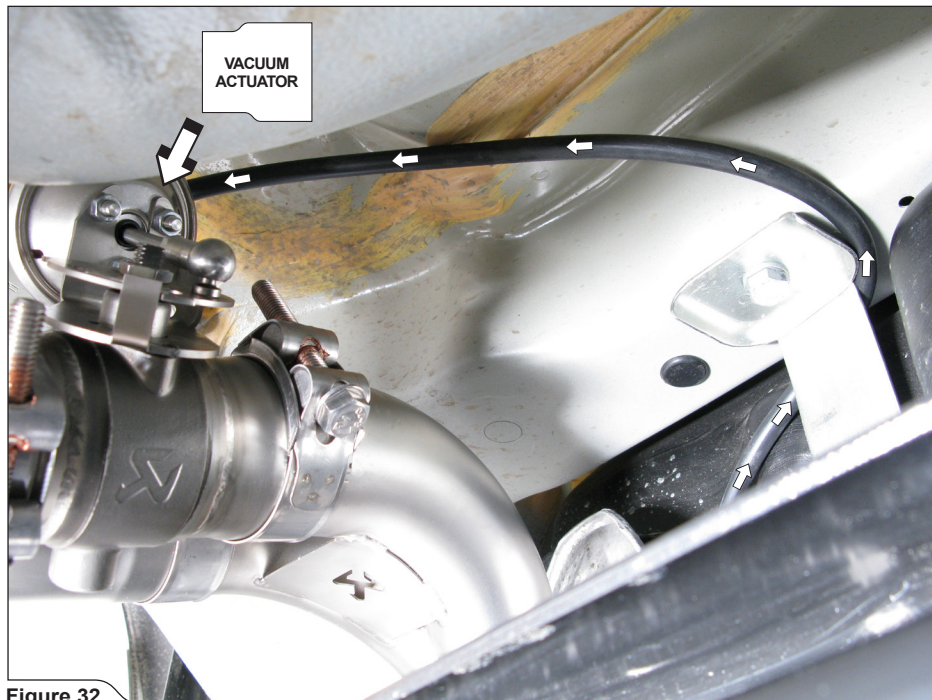


Figure 32

**! WARNING:** direct the vacuum hose between fuel tank and heat shield (Figure 33)!



**Figure 33**



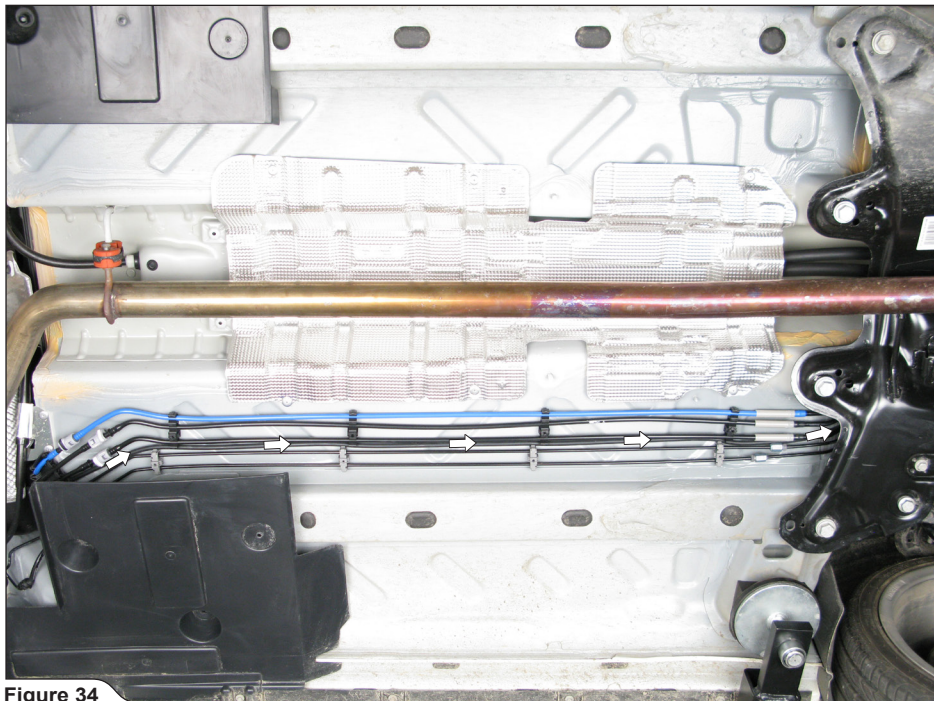


Figure 34

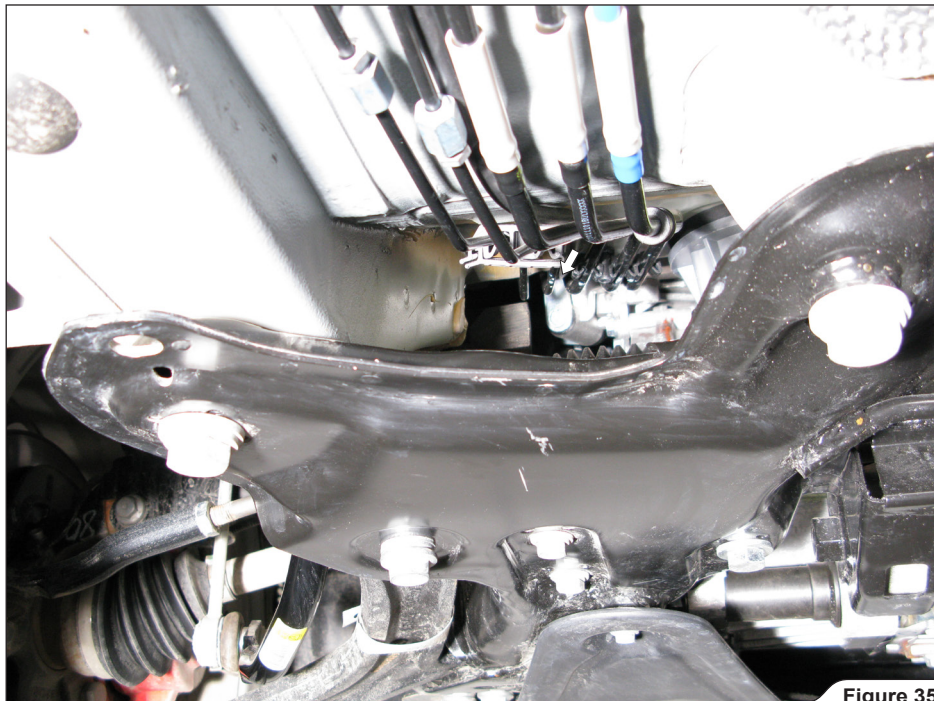


Figure 35



! **CAUTION:** secure (use additional plastic tie wrap) the rubber vacuum hose, as shown (Figure 36)!

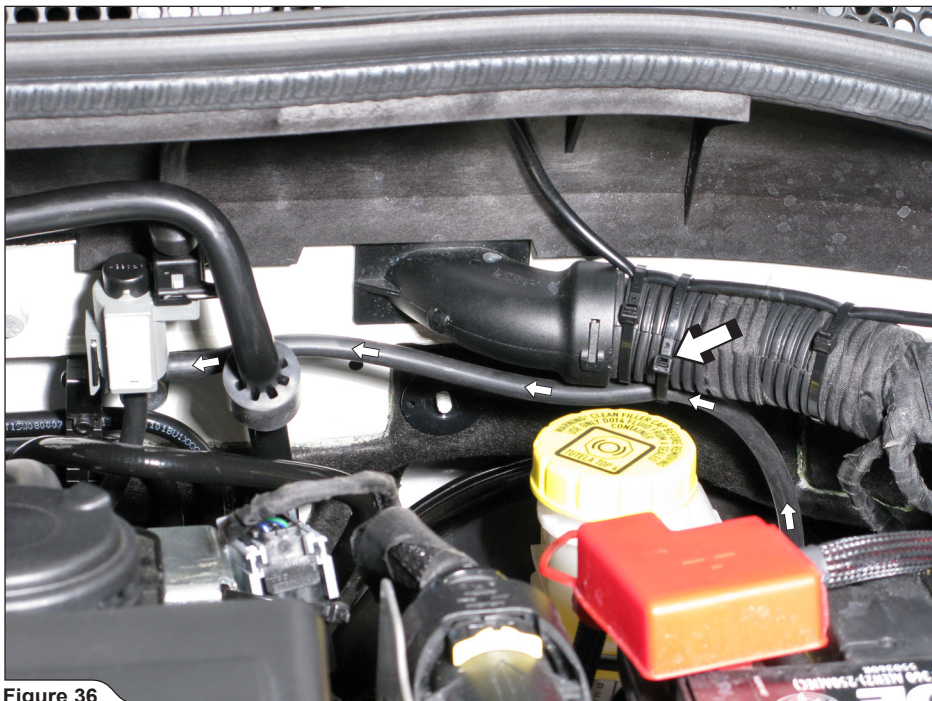


Figure 36

28. **For optional wireless kit only:** reinstall the heat shield's clips and the installations protection (Figure 37, 38).

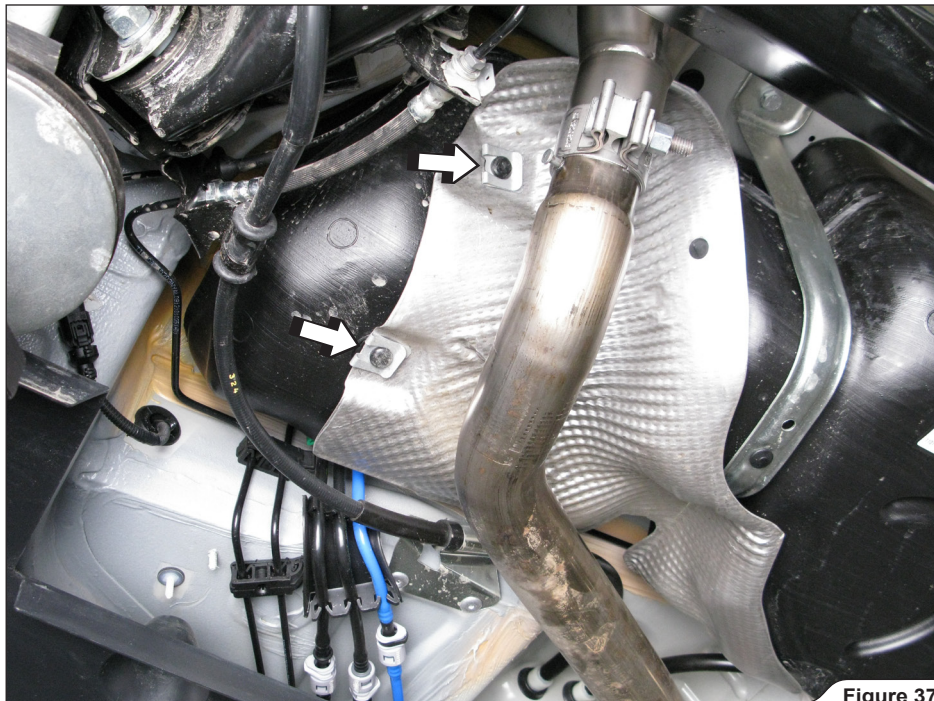


Figure 37

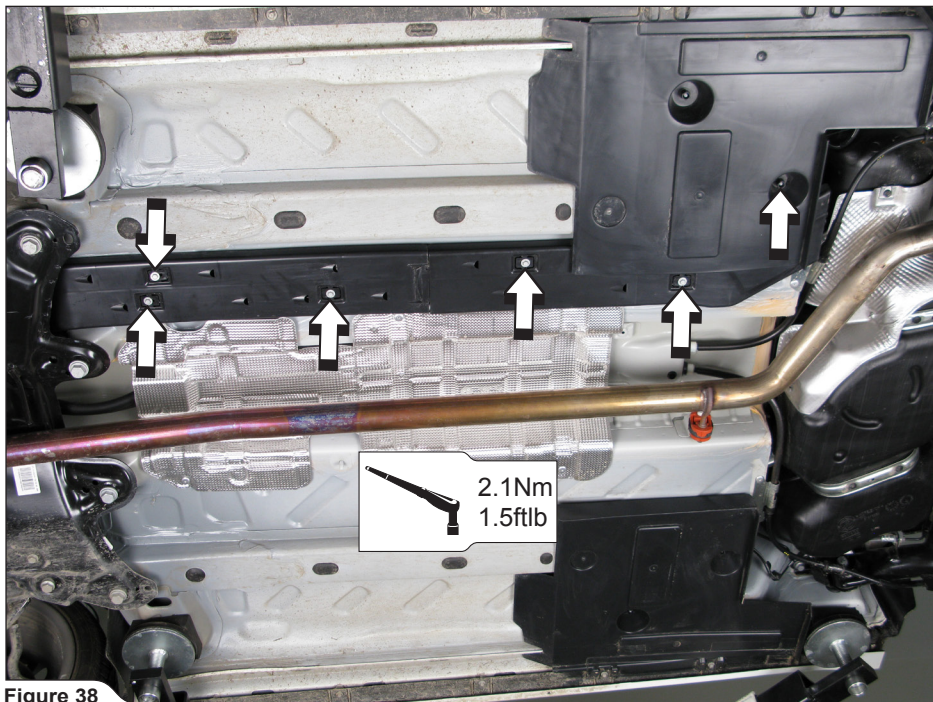
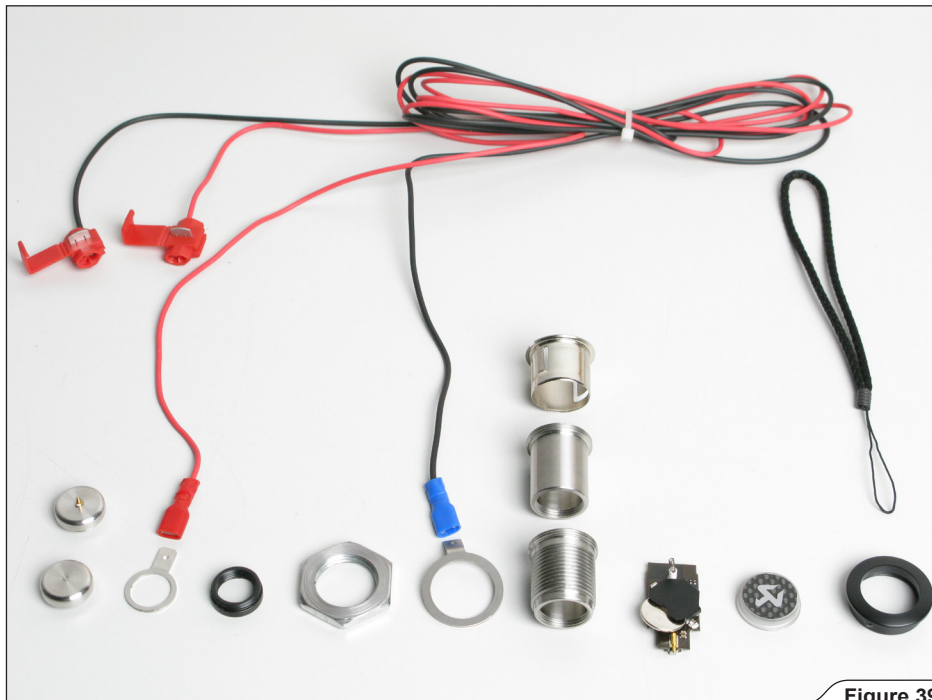


Figure 38

29. **For optional wireless kit only:** composition of all remote keyfob components and optional components (**Figure 39**).



**Figure 39**

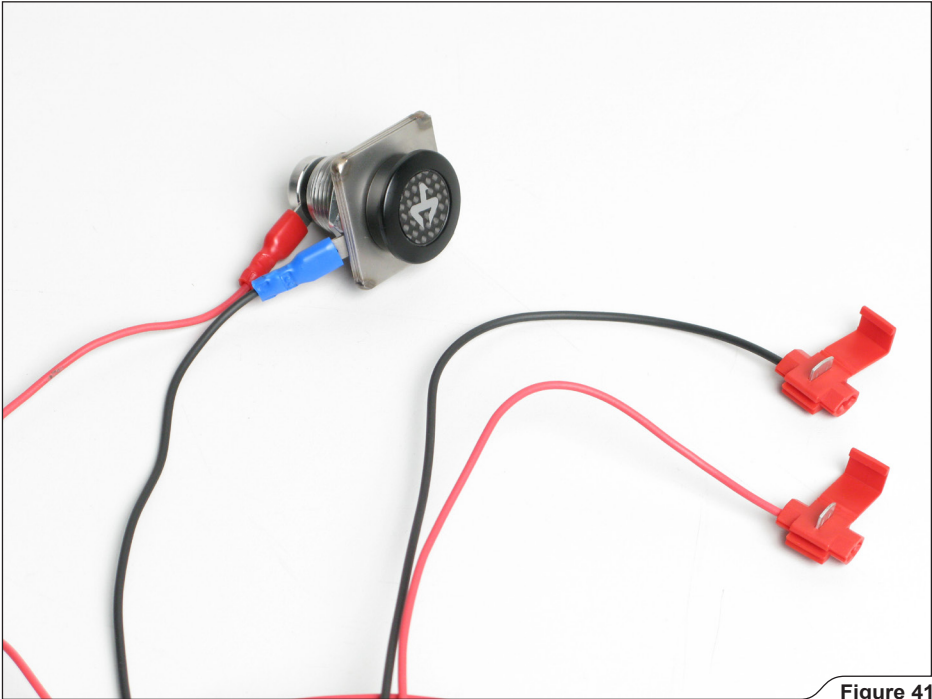
30. **For optional wireless kit only:** options for cigarette lighter socket powered keyfob (**Figure 40**).



**Figure 40**



31. **For optional wireless kit only:** dashboard or additional bracket mounted keyfob (**Figure 41**).



**Figure 41**

32. **For optional wireless kit only:** changing the remote keyfob battery (**Figure 42**).

**!** **WARNING:** make sure, that you insert the new battery correctly! Check the polarity of the battery (Battery type: Lithium CR1632 3V)!



**Figure 42**

## **KEYFOB OPERATION:**

1. **USE:** keyfob is used to operate and control the exhaust system flaps.
2. **RANGE OF OPERATION:** inside and few meters around the vehicle.
3. **POWER OPTIONS:**

### **a) Battery power:**

- when operating, press the button for more then two seconds.
- when pressed, the illumination goes on, and when released, it goes off.
- in battery mode, only half of the cycle around the scorpion symbol is illuminated.
- battery life if in use is approx.1 year and if not in use, approx 2 years (Battery type: Lithium CR1632 3V).

### **b) 12V power (cigarette lighter socket):**

- when operating, press the button for more then half a second.
- when pressed, the illumination stays on, depending on mode (on/off).
- in 12V mode, whole of the cycle around the scorpion symbol is illuminated.

## **4. KEYFOB MODES:**

### **a) Battery power:**

- CLOSED VALVES:



- OPEN VALVES:



- LOSE OF COMMUNICATION:  
1 period of 5 flashes of white illumination.

### **b) 12V power (cigarette lighter socket):**

- CLOSED VALVES:



- OPEN VALVES:



- LOSE OF COMMUNICATION:  
3 periods of 5 flashes of white illumination.

## 5. **SAFETY:**



**SWITCH ON:** do not switch the keyfob on when wireless devices use is prohibited or when it may cause interference or danger.



**ROAD SAFETY COMES FIRST:** obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



**INTERFERENCE:** all wireless devices may be susceptible to interference, which could affect performance.



**SWITCH OFF IN HOSPITALS:** follow any restrictions. Switch the keyfob device off near medical equipment.



**SWITCH OFF IN AIRCRAFT:** follow any restrictions. Wireless devices can cause interference in aircraft.



**SWITCH OFF WHEN REFUELING:** do not use the keyfob at a refueling point. Do not use near fuel or chemicals.



**SWITCH OFF NEAR BLASTING:** follow any restrictions. Do not use the device where blasting is in progress.



**QUALIFIED SERVICE:** only qualified personnel may install or repair this product. Please refer to the wireless kit serial number in case of ordering of spare parts.



**WATER-RESISTANCE:** your keyfob is not water-resistant. Keep it dry.

## Final installation:

- ! **WARNING: check vehicle manufacturer manual for tightening torques (for dismounted stock parts)!**
- ! **WARNING: make sure all the nuts and bolts are sufficiently tightened. In case the exhaust system touches the cowlings or other parts, repeat the adjustment of the exhaust system or contact your authorized dealer.**

## **MAINTENANCE OF THE AKRAPOVIČ EXHAUST SYSTEM:**

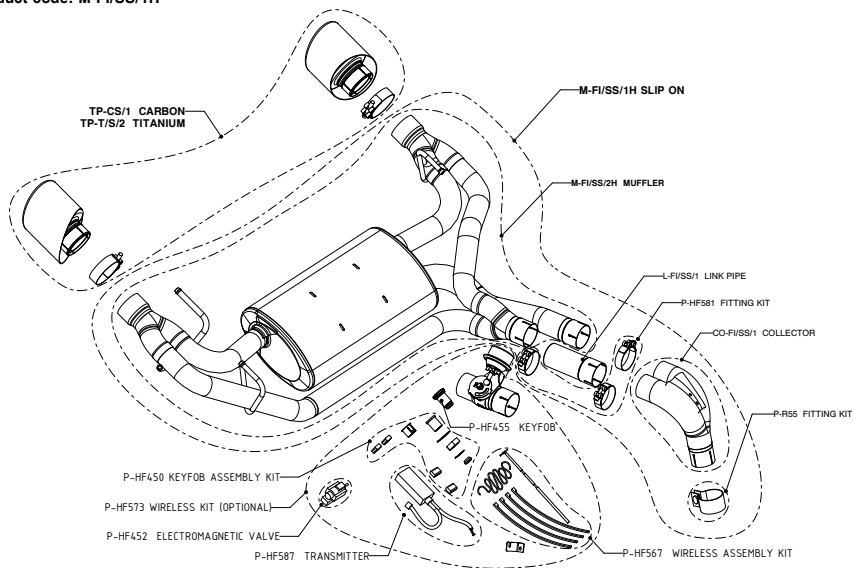
1. Clean the titanium exhaust components with a multi-purpose spray lubricant (WD-40 or equivalent), carbon fiber exhaust components with soft and dry cloth and stainless steel components with soft cloth sprayed with contact cleaner, then wipe with soft and dry cloth. A change in the color of the exhaust system is normal due to high temperatures.
2. Periodically make sure all the bolts and springs are sufficiently tight.

- ! **WARNING: clean all exhaust components before the first start of the engine or the stains will burn onto the surfaces!**
- ! **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.**



**ABARTH 500/500C, Slip-ON line/ Street legal**

**Product code: M-FI/SS/1H**







[www.akrapovic.com](http://www.akrapovic.com)



**\*503132\***