



Installation instructions

Akrapovič Product:

Slip-On Line

for the

BMW M5 (type F90 m.y. up to 2021)

BMW M5 (type F90 m.y. after 2021)

ENGLISH

Version 1.0

11/2021



www.akrapovic.com

D249.1.00.0000 D



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Congratulations on purchasing the Akrapovič product. The Akrapovič product is made by Akrapovič d.d., Malo Hudo 8a, 1295 Ivančna Gorica, Slovenia ("Akrapovič").

Please read this entire installation manual carefully prior to installing and using the Akrapovič product.

Akrapovič product should only be installed by persons skilled in car exhaust system or other car parts installation and performance. The instructions provided in this manual should be followed to ensure proper installation and safe use of the Akrapovič product. Akrapovič and/or its partners shall not be held liable for any damage or personal injury (including direct, indirect, or consequential damage) sustained as a result of improper installation of the Akrapovič product or its use and maintenance contrary to the instructions and warnings contained herein.

If you have any questions regarding the installation and/or proper use of the Akrapovič product or this manual, please contact your local Akrapovič partner.

For more information on the Akrapovič products, see the official Akrapovič website at: <http://www.akrapovic.com>

GENERAL INFORMATION

Your safety is our number one priority. Please drive your car responsibly, safely and always obey local traffic rules.

All statements made with regard to the product's compliance are made in respect of the product "as is". Any modifications of the Akrapovič product or its improper installation, use or maintenance that is not in accordance with this Installation manual, may result in severe damage to the product, vehicle and/ or engine, as well as personal injury, and may affect the product's compliance with the legal requirements, such as product's air and/ or noise emissions (as an example, the car may not be suitable for use on public roads any longer), as well as warranty coverage.

The product may only be used in accordance with relevant laws and regulations, including state and federal, where applicable.

Damage caused by improper installation, use and maintenance of the Akrapovič product is not covered by the Akrapovič warranty. Please refer to the enclosed warranty with regard to the terms of our warranty.

Technical specifications of Akrapovič products are subject to change without notice.

COPYRIGHT AND OTHER RIGHTS NOTICE

The Akrapovič trademark, including corporate logos and emblems, are subject to copyright as well as trademark rights of Akrapovič, its licensors, or third persons authorizing Akrapovič to use them.

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Akrapovič takes all copyright and other rights infringement cases under serious consideration. If you have any reason to believe that your product is not an original Akrapovič product, please contact our local partners or Akrapovič at info@akrapovic.com.

SAFETY AND COMPLIANCE WARNING, PLEASE READ CAREFULLY

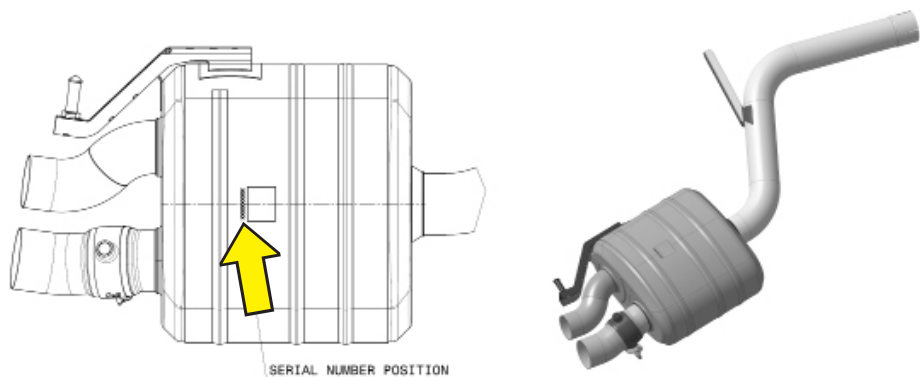
BEFORE REMOVING THE STOCK PARTS AND BEGINNING THE INSTALLATION OF YOUR NEW AKRAPOVIČ PRODUCT, PLEASE MAKE SURE THAT ALL ITEMS LISTED BELOW ARE VERIFIED:

- This manual is specific to the car indicated on the cover page, for which it is designed. Installation procedures vary depending on the type of car. Please verify that the Akrapovič **product and this installation manual correspond to the type of your car.**
- **For exhaust system only:** the exhaust system can get extremely hot during and after it is used. Make sure not to touch the exhaust system until it is completely cool. **Allow the exhaust and engine to cool down before beginning installation.**
- Make sure the car is **securely positioned to prevent** damage to yourself and other, or the car.
- Please check the parts you received against the parts list available on our website (please use the QR code on the front page or look for “schematic view” in the respective product page on www.akrapovic.com). Make sure that you have **all the parts necessary for the installation** of your new Akrapovič product. If any of the parts is missing, please do not proceed with uninstalling your stock parts/installing the Akrapovič product and contact the retailer where you purchased the Akrapovič product.
- **For exhaust system only:** every exhaust system muffler has its unique serial number, which identifies the authenticity of the product. You can find the serial number on the muffler's sleeve. Please refer to the **picture 1**. Please verify that your exhaust system is an original Akrapovič product. If you have any doubts, please contact the reseller where you purchased the exhaust system or Akrapovič partners. This manual, any certificates and Akrapovič warranty apply to original products only.

GENERAL NOTE

Photographs and other illustrations in this manual are symbolic and are intended to help represent individual steps for proper installation and use, as well as for a general overview. The actual component parts of the Akrapovič product may not entirely correspond to the photographs and other illustrations.

Picture 1 - EXAMPLE OF SERIAL NUMBER POSITION:



NOISE AND EMISSION WARNINGS

General warning

Because of the world-wide distribution of Akrapovič d.d. products, neither Akrapovič d.d. nor any of its subsidiaries make any representation that the products comply with the air and/or noise emissions laws, or labeling laws, of any jurisdiction. The purchasers are entirely responsible for informing themselves of the applicable laws where the products are to be used and to comply with those law.

Although legal compliance of Akrapovič products in a specific country should be determined by the user, you can find some basic guidance on compliance of your Akrapovič product with various legal requirements on the product-related part of our website (please use the QR code on the front page or look for the respective product page on www.akrapovic.com). For EC and ECE type approvals, please refer to the certificate enclosed to your product.

USA WARNING

Various U.S. states and the U.S. federal government have individual laws regulating the use of aftermarket parts and systems, especially as those parts and systems modify, remove, or replace original equipment catalysts. Please consult the appropriate laws in your area before installing any aftermarket part or system on your vehicle to ensure compliance with all applicable laws. Neither Akrapovic d.d. nor any of their subsidiaries or the sellers of the parts or systems make any representation that any of their parts or systems comply with any such laws.

CALIFORNIA WARNING

California laws prohibit the use of any aftermarket part or system that modifies, removes or replaces original equipment catalysts unless the California Air Resources Board has issued an Executive Order regarding such part or system or unless the part or system is exempted by being used only on racing vehicles on closed courses. Neither Akrapovic d.d. nor any of their subsidiaries make any representation that any of their parts or systems has received such an Executive Order or that any of their parts or systems conform with the racing vehicles exemption. The purchasers are entirely responsible for informing themselves of applicable California laws and to comply with those laws.

SYMBOLS

The following symbols are used throughout these installation instructions:



**TOOLS AND PROTECTIVE
EQUIPMENT REQUIRED**



TIGHTENING TORQUE



LUBRICATION



HAND TIGHTEN



INSTALLATION TIP



CAUTION OR IMPORTANT

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 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. Keep out of reach of children.**

USE ANTI-SEIZING GREASE (white tube)



Prevents seizing, corrosion and excessive wear between the titanium components. **WARNING! Avoid eye contact. Keep out of reach of children.**

Tools & equipment



- mechanic gloves
- eye protection
- Torx E12
- Socket 16 mm
- T-handle 8 mm wrench
- T-handle 10 mm wrench
- T-handle 13 mm wrench
- Flat screwdriver
- Pipe cutting tool
- Cutting nippers

PARTS LIST

The packaging box should contain one or more of the following items:

- Akrapovič product
- Homologation certificate/ compliance documents if applicable
- Warranty
- Fitting material
- Installation Manual

Detailed list of parts can be found on the Akrapovič website (please use the QR code on the front page or look for “Schematic view” in the respective product page on www.akrapovic.com).

IMPORTANT: The car should be in the off position throughout the dismantling and installation process, as well as any other work done on the Akrapovič product!

REMOVAL OF STOCK EXHAUST SYSTEM OR OTHER VEHICLE'S STOCK PARTS:

The process of uninstalling the original exhaust system or other parts may vary depending on the existing exhaust system or other vehicle parts. Please follow the original vehicle manufacturer's workshop manual for uninstalling the original exhaust system or other parts.

If you for any reason decide otherwise, please note that any information provided in this respect herein should be considered as general information provided for your convenience only. Akrapovič shall not assume any liability or responsibility with regard to uninstalling your existing exhaust system or other parts, warranty coverage of such exhaust system or other parts vehicle or their further fitness for use.

In case your Akrapovič exhaust system or other vehicle parts may not be used on certain roads or under certain conditions, please keep the stock (or other) exhaust system or other parts that you can use in such circumstances legally.

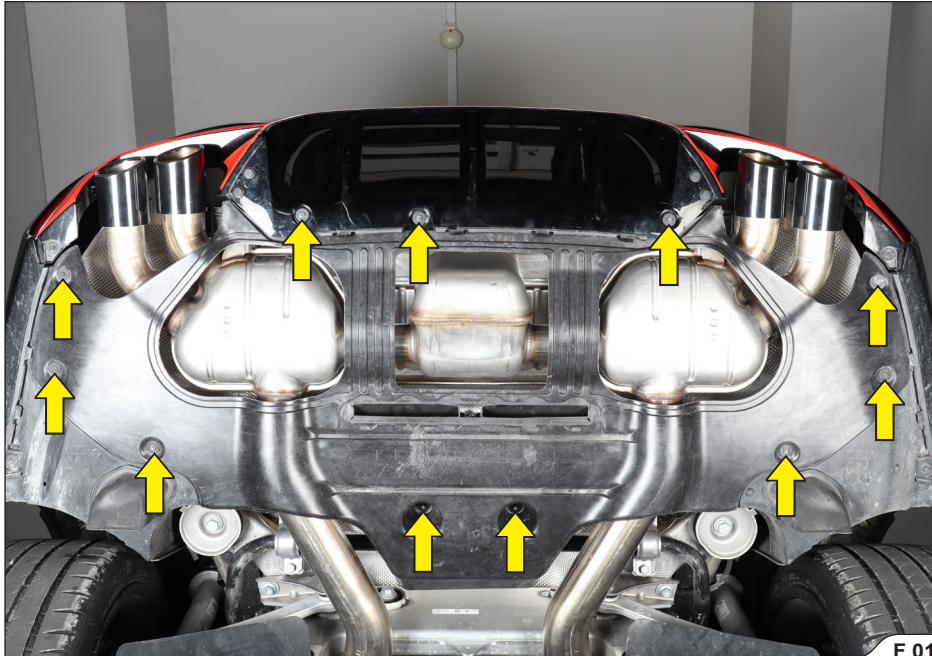
REMOVAL OF STOCK EXHAUST SYSTEM:

Put the vehicle onto a car lift.

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

1. Unscrew the marked bolts and nuts and carefully remove the rear under-floor panel (F 01).

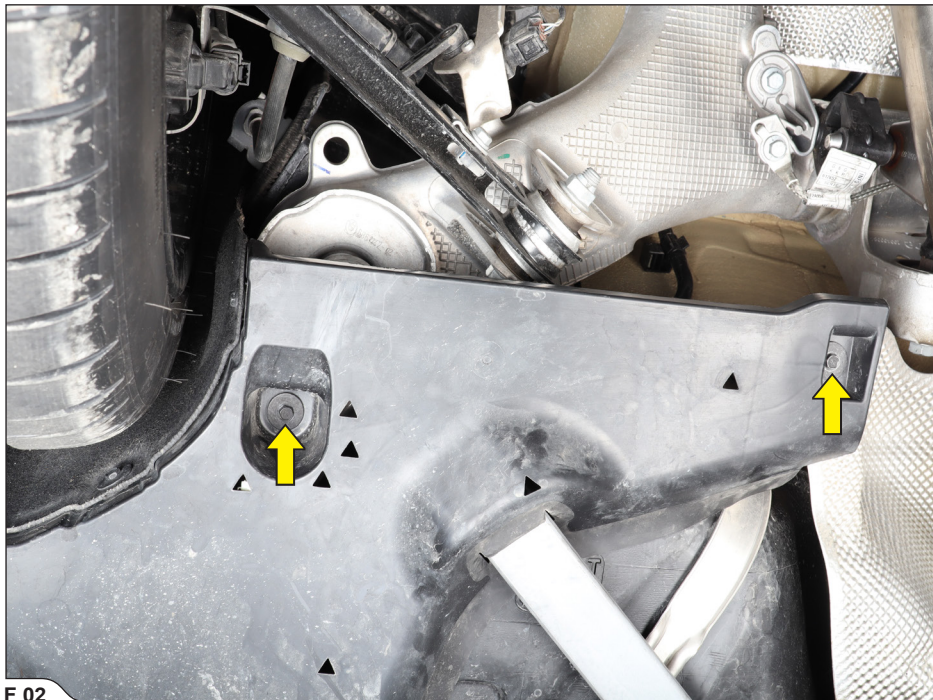
! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



F 01

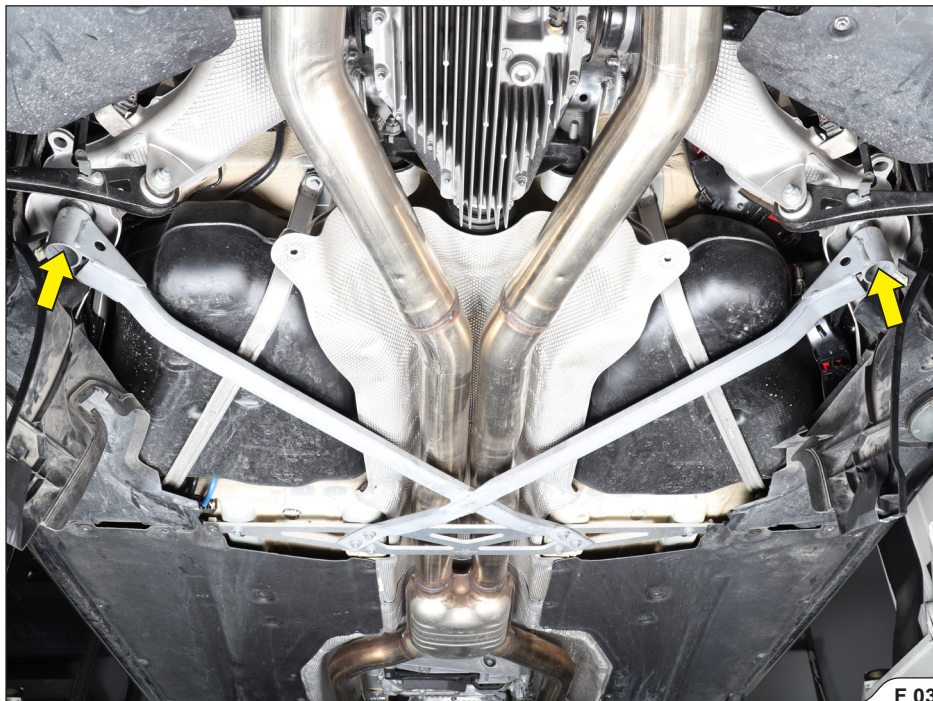
2. Unscrew the marked bolts on both sides of the vehicle and partially move the side under-floor panels out of the way - enough to be able to unscrew the chassis reinforcements bolts (**F 02**).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!

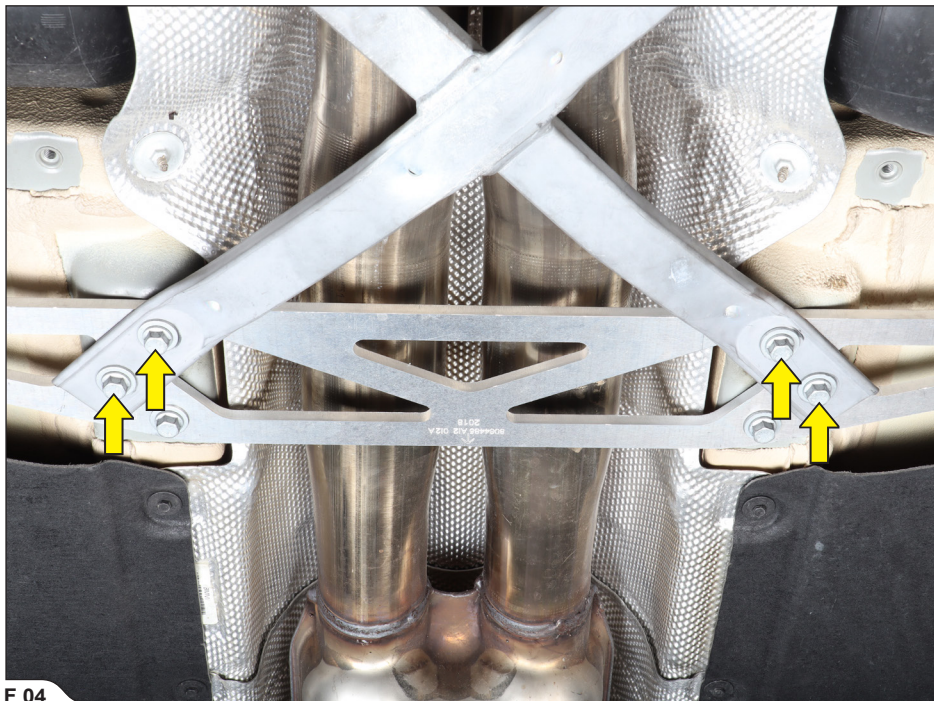


F 02

3. Unscrew the marked bolts and remove chassis reinforcements off the vehicle (F 03, 04, 05).
! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!



F 03



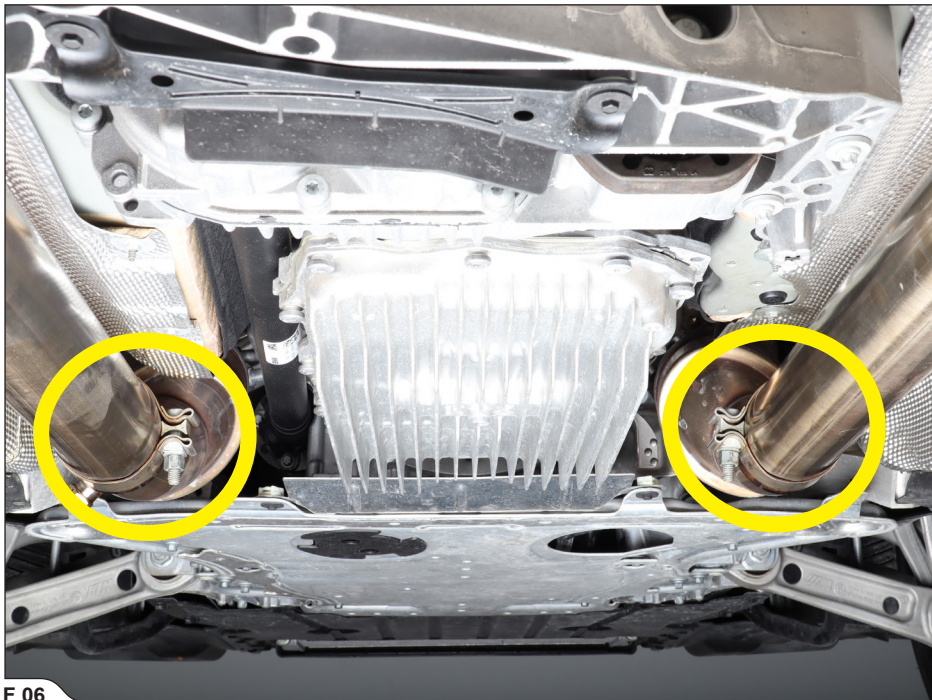
F 04



F 05

4. Loosen the marked connections (F 06).

! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!



F 06

5. Unscrew the middle rubber brackets' bolts off the chassis (F 07, 08).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



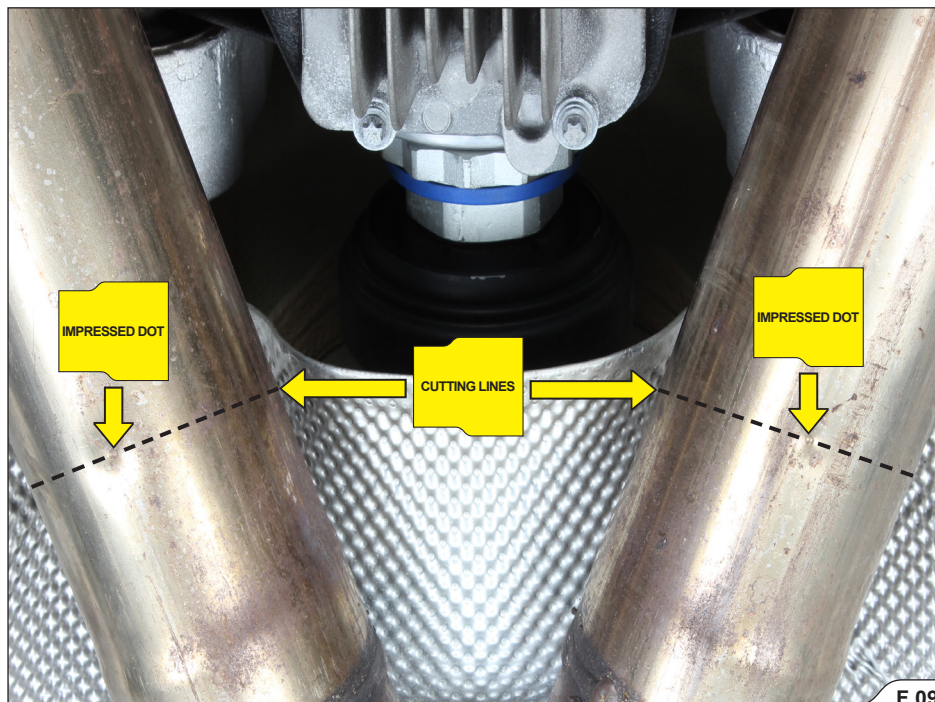
F 07



F 08

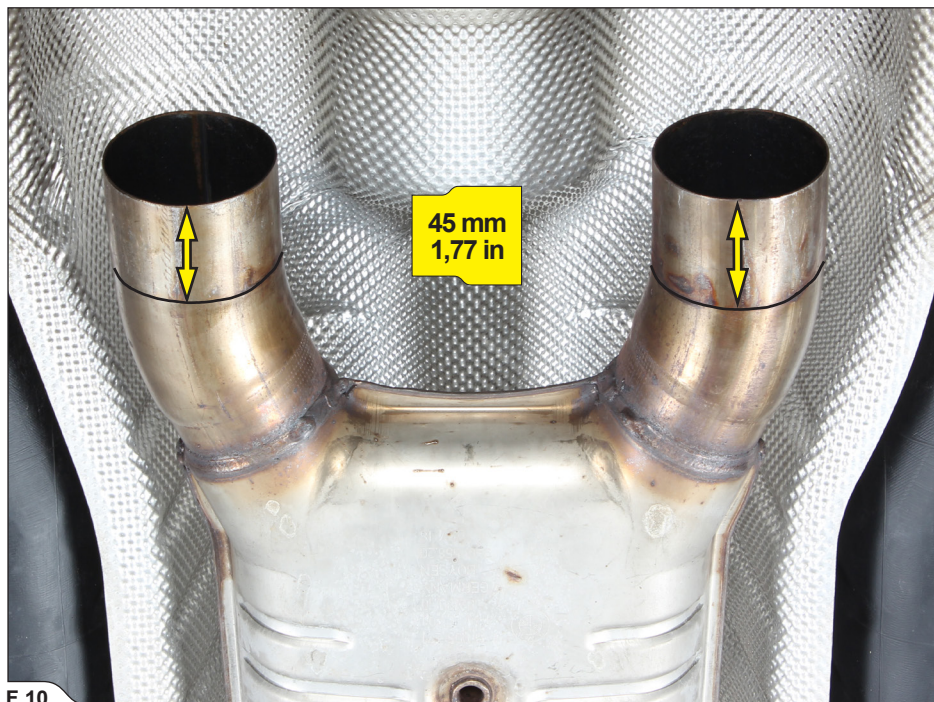
6. Mark the stock exhaust system at impressed dots, exactly as shown. Carefully cut the pipes at the marked cutting lines, using pipe cutting tool or equivalent (F 09).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



F 09

7. Mark the stock exhaust system 45 mm (1,77 in) from the cut lines, for later adjustments (F 10).
- ! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



F 10

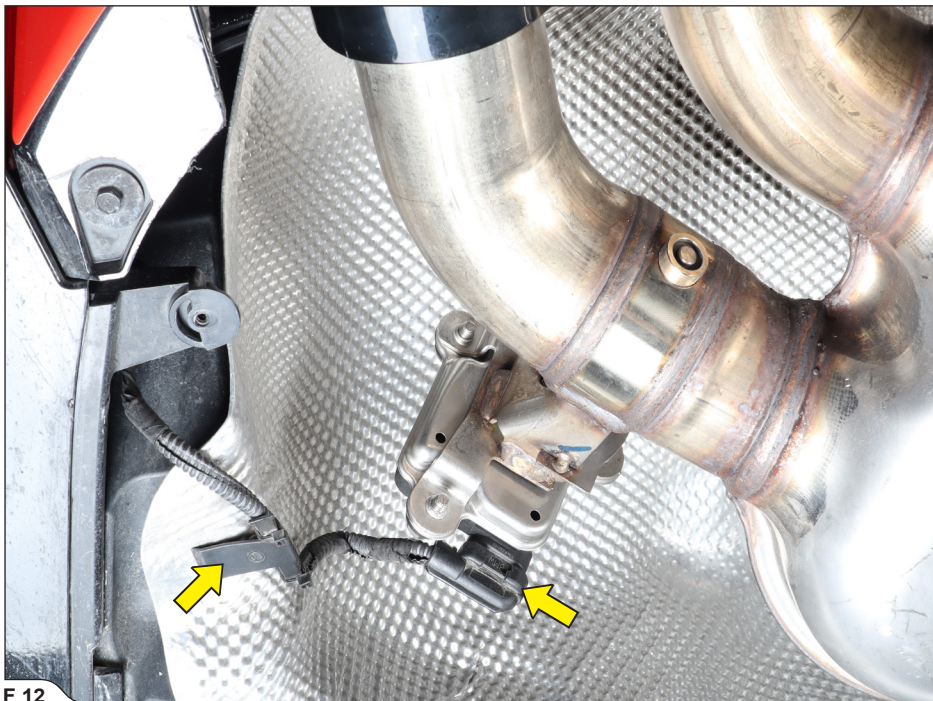
8. Disconnect both exhaust valve servo motor connectors and undo the marked cable holders (F 11, 12).

! **IMPORTANT:** make sure, that car key is in OFF position, at least for 2 minutes, before you unplug the connectors!

! **IMPORTANT:** do not put the car key in ON position, or start the car, before all connectors are plugged again. Risk of check light on the dashboard!



F 11

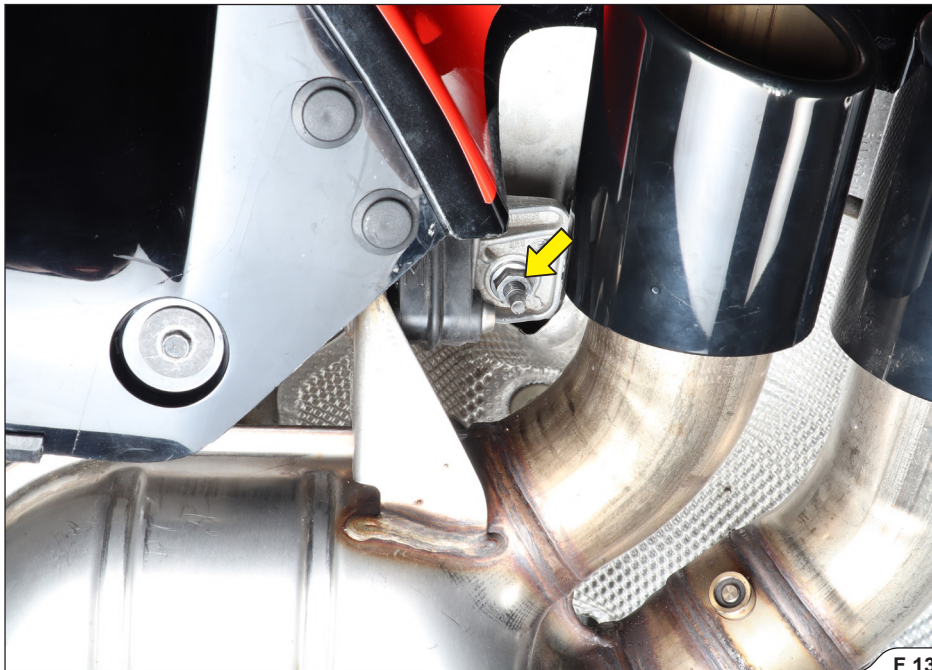


F 12

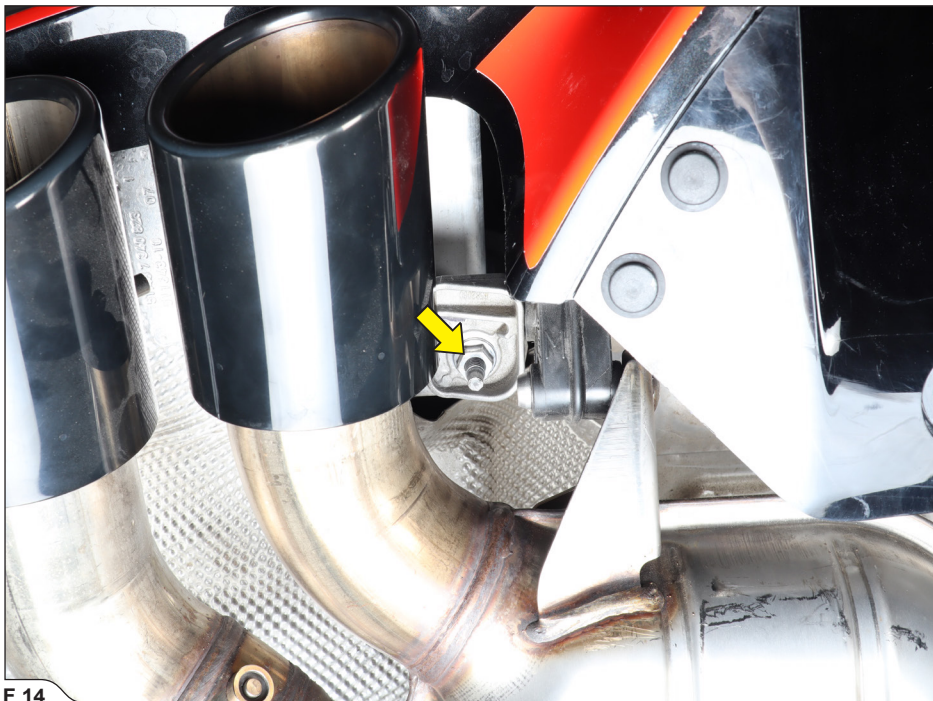
9. Support the exhaust system, unscrew the marked bracket nuts and carefully remove the exhaust system off the vehicle (F 13, 14).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!

! **CAUTION:** support the mufflers during this process or you could injure yourself or damage the vehicle!

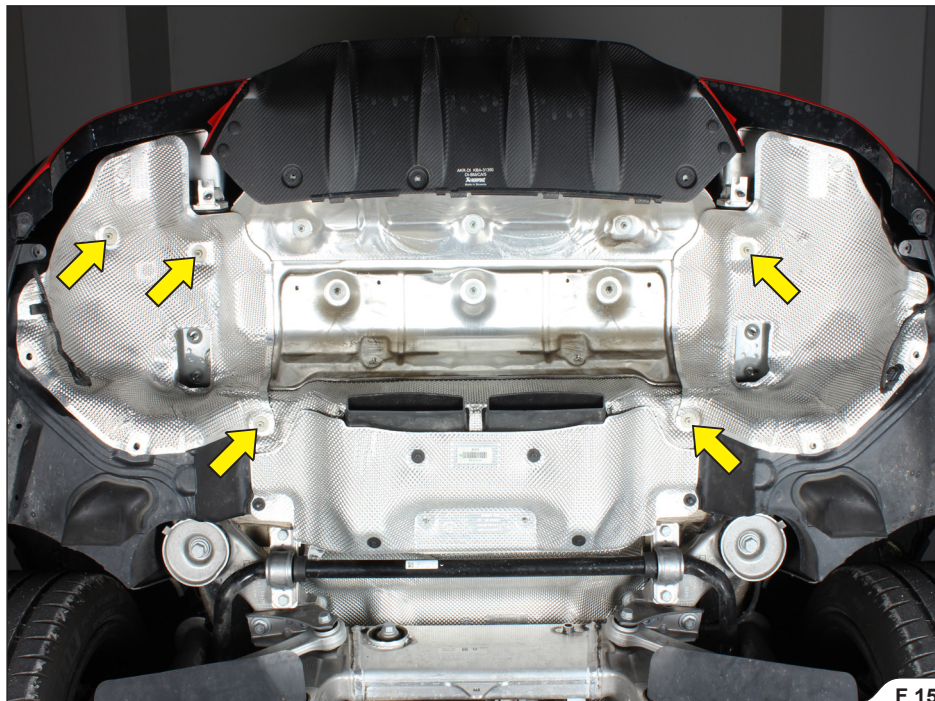


F 13



F 14

10. Unscrew the marked nuts and carefully remove the left and right mufflers' heat shields (F 15).
! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!

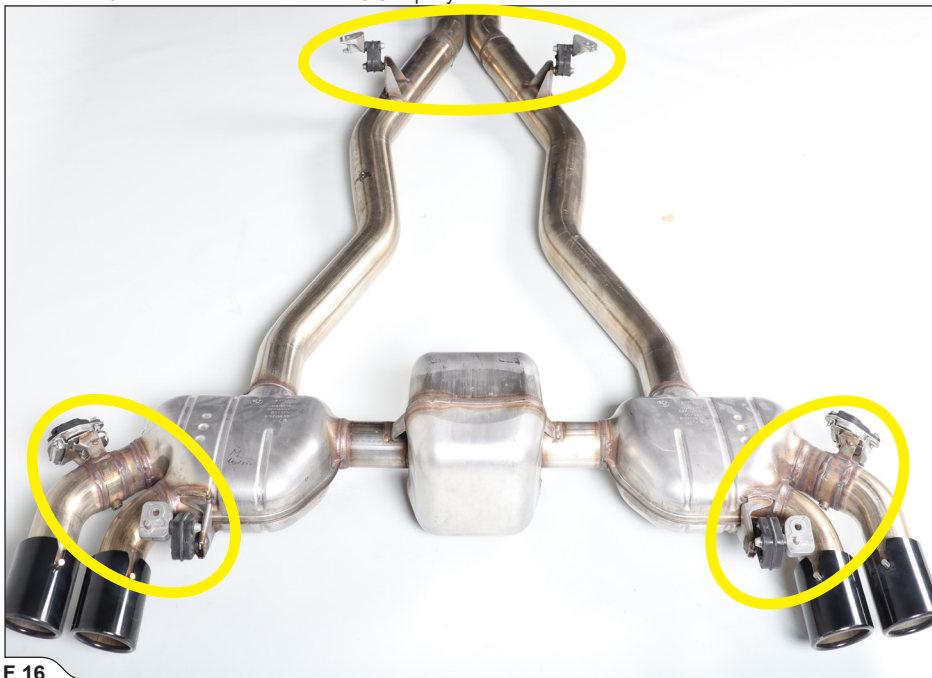


F 15

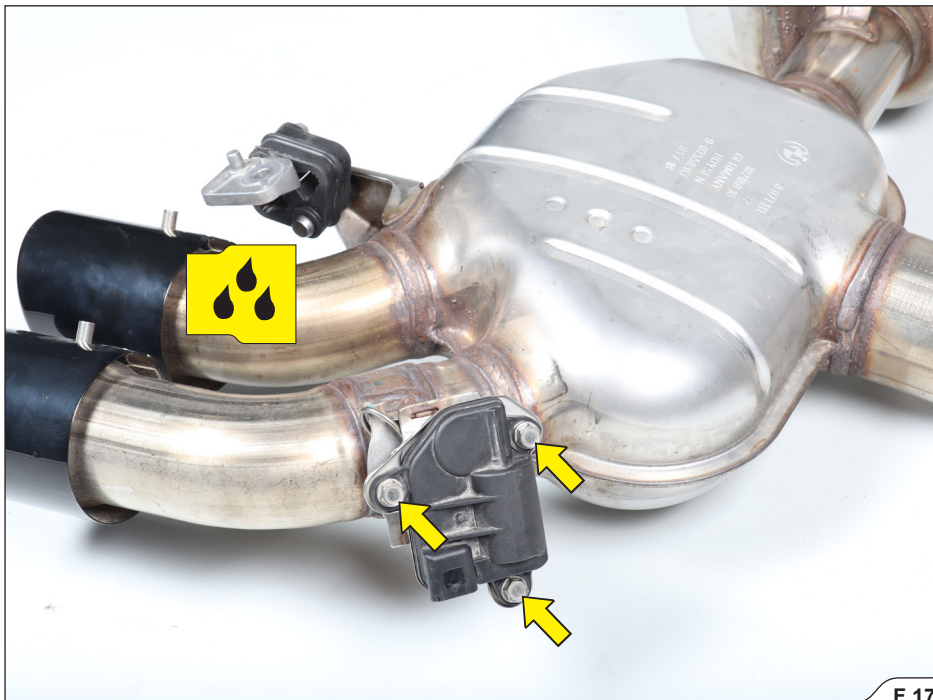
11. Carefully remove the rubber brackets and exhaust valves servo motors off the stock exhaust system (F 16, 17, 18).

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

*WD-40® is a trademark of the WD-40 Company.



F 16

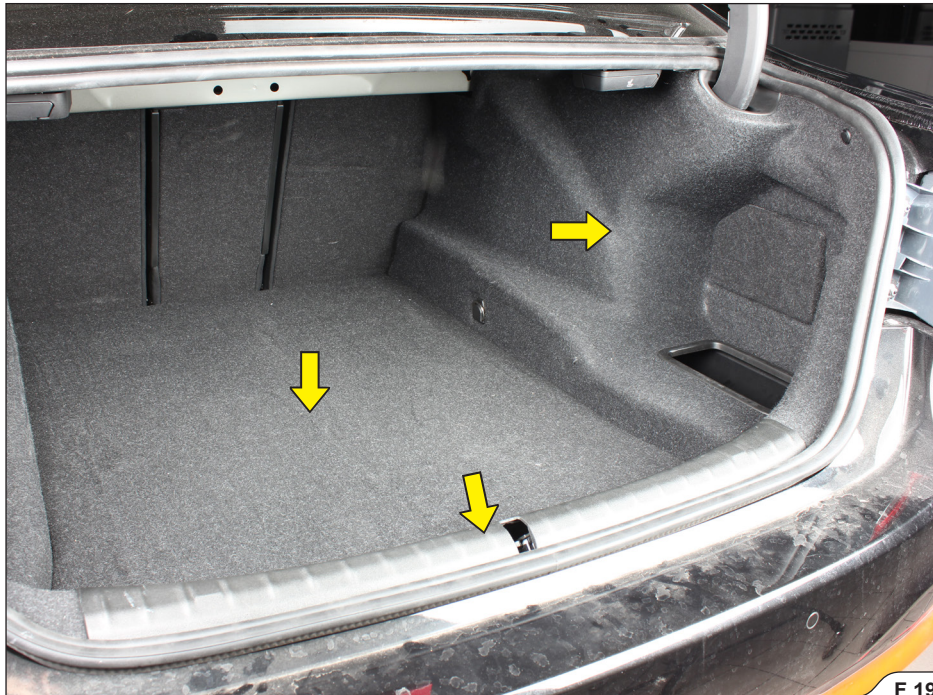




F 18

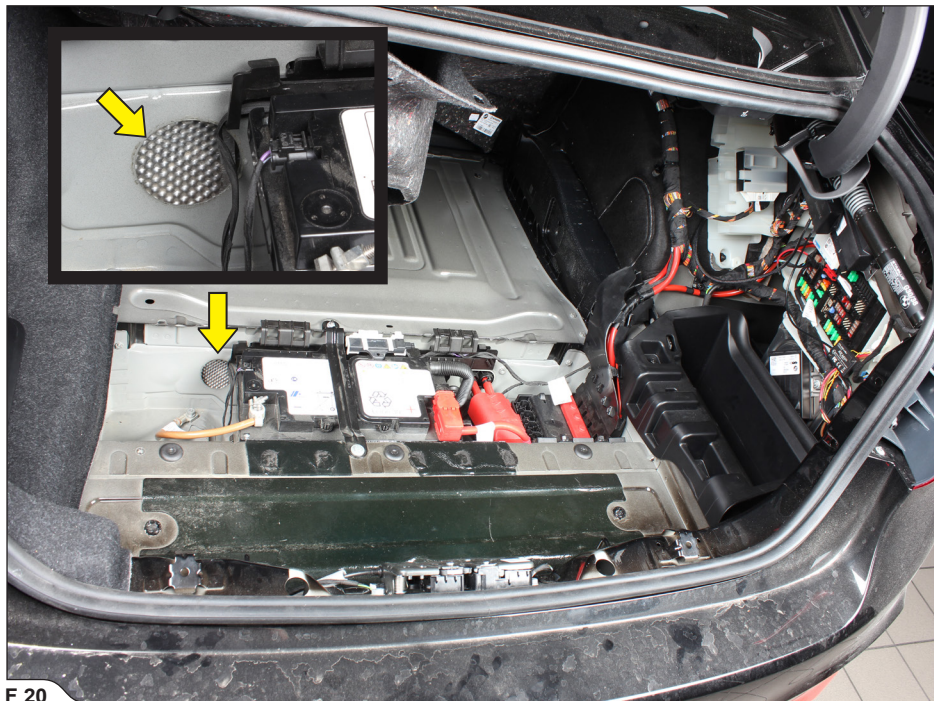
12. **For vehicles up to 2021 m.y. only:** open the trunk and remove the trunk floor panel and right side trunk trim panel to get access to electrical wiring harness in the trunk; check vehicle manufacturer manual for correct trunk panels disassembly (**F 19**).

! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!



F 19

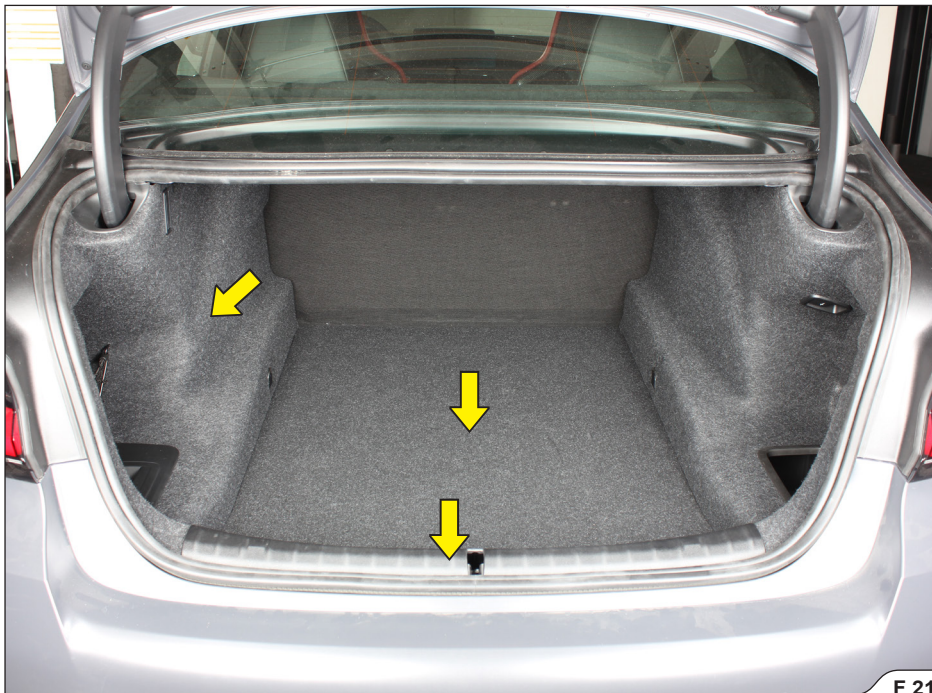
13. For vehicles up to 2021 m.y. only: remove the marked rubber grommet behind the battery (F 20).
! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!



F 20

14. **For vehicles after 2021 m.y. only:** open the trunk and remove the trunk floor panel and left side trunk trim panel to get access to electrical wiring harness in the trunk; check vehicle manufacturer manual for correct trunk panels disassembly (F 21).

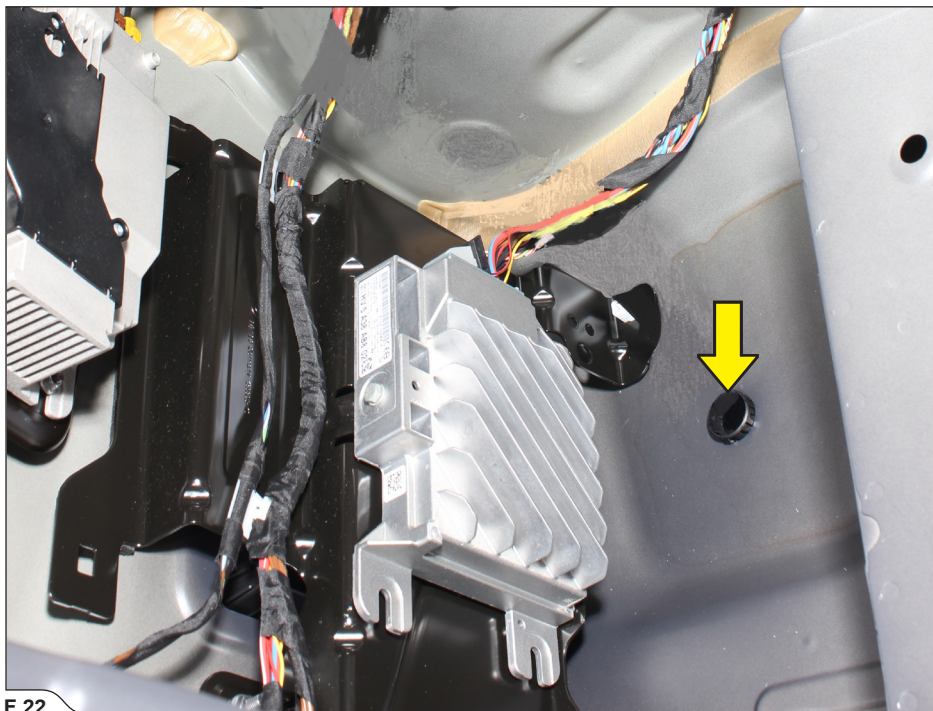
! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!



F 21

15. For vehicles after 2021 m.y. only: remove the marked grommet (F 22).

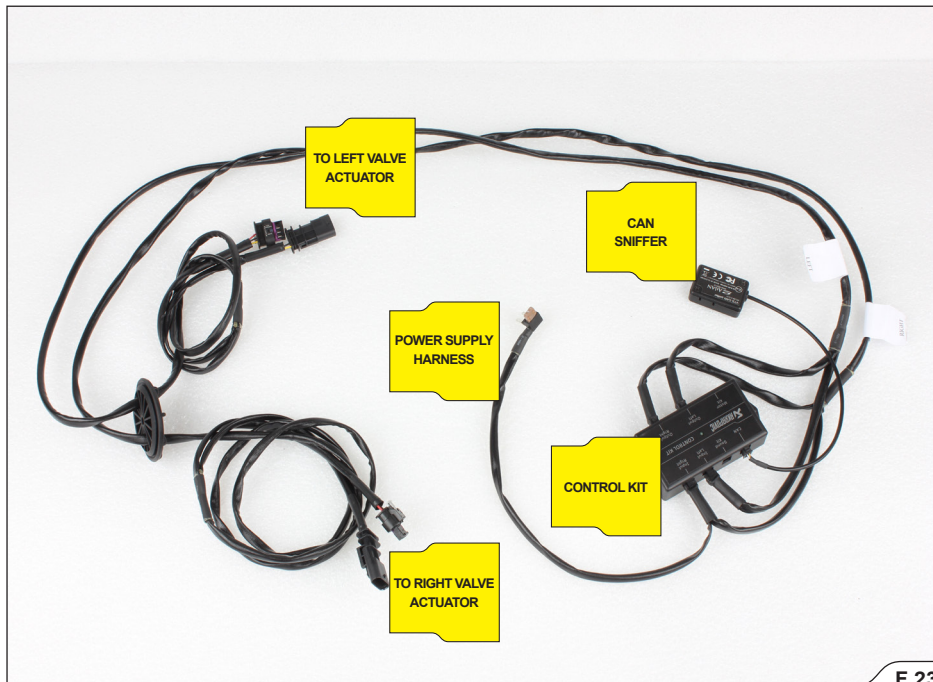
! CAUTION: make sure not to injure yourself or damage any part of the vehicle during this process!

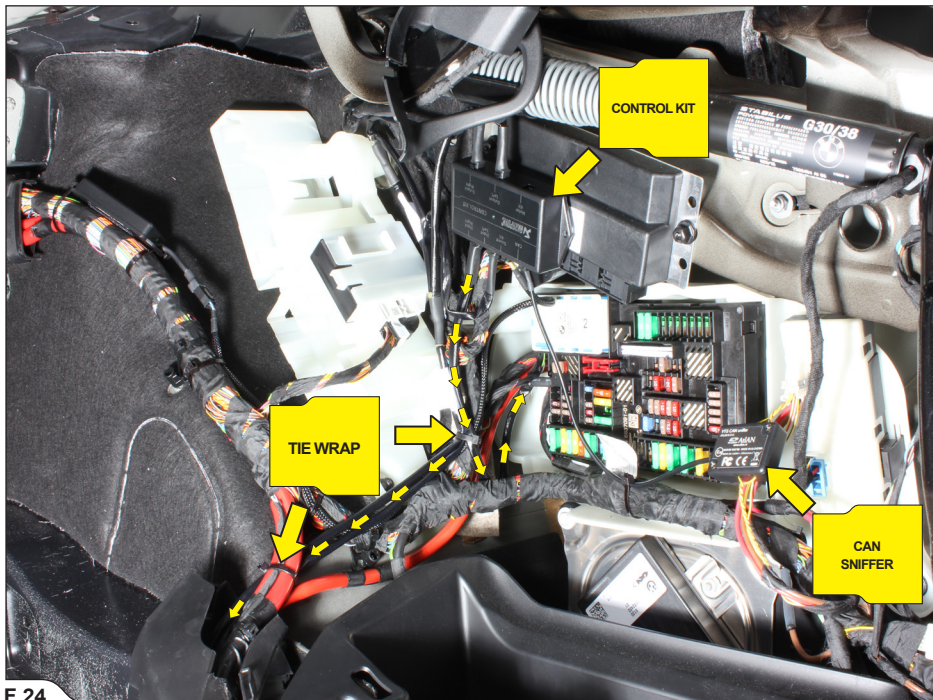


F 22

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

1. **For vehicles up to 2021 m.y. only:** install the Control kit components as shown; attach the Control Kit unit using double sided tape and secure all wiring in place using tie wraps from Akrapovič installation kit (**F 23, 24**).
! **IMPORTANT:** make sure to secure all Sound Kit components in such a way, that they won't touch any hot or moving parts of the vehicle!

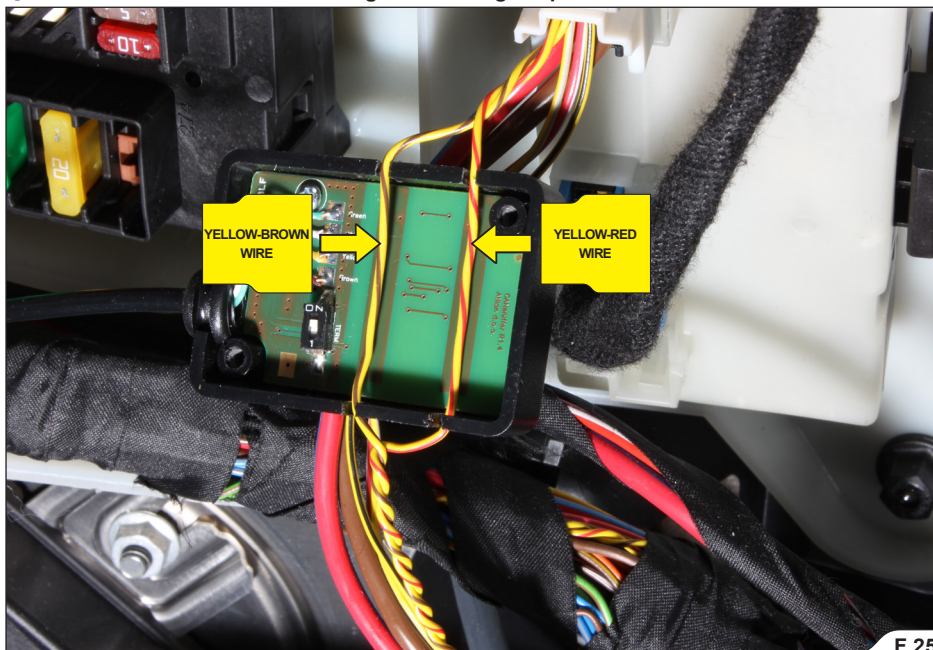


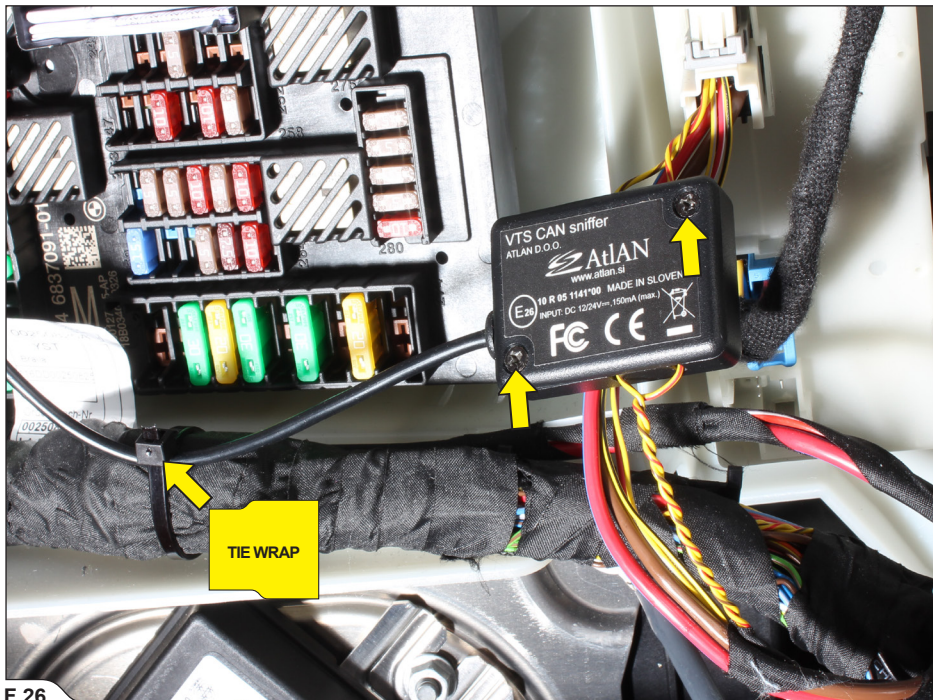


F 24

2. **For vehicles up to 2021 m.y. only:** carefully separate the **yellow-brown** and **yellow-red** wires from the stock harness (at the right side of the fuse box), unscrew the CAN sniffer's cover, lead the **yellow-brown** and **yellow-red** wires through the CAN sniffer's wire grooves as shown, reinstall the cover and secure the CAN sniffer's cable, using tie wrap from Akrapović installation kit (F 25, 26).

! **IMPORTANT:** make sure not damage wires during this process!





F 26

3. For vehicles up to 2021 m.y. only: remove the marked 10A fuse from number F206 fuse spot in the fuse box (F 27).

! **CAUTION:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!



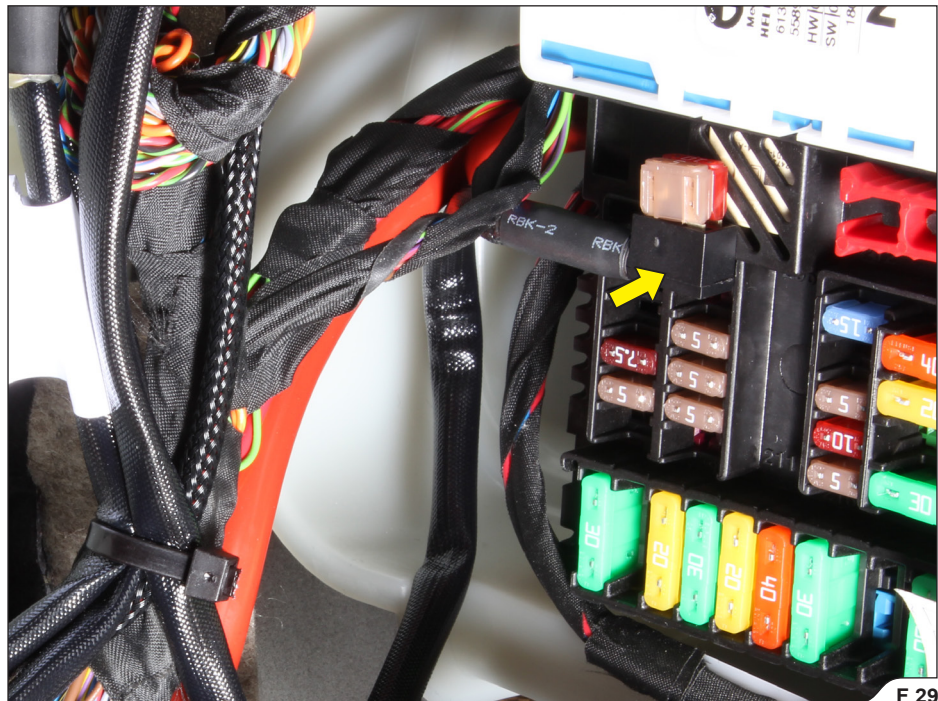
F 27

4. **For vehicles up to 2021 m.y. only:** install the original 10A fuse into the Sound Kit's power supply connector and plug the connector into the **F206** fuse spot in the fuse box (**F 28, 29**).

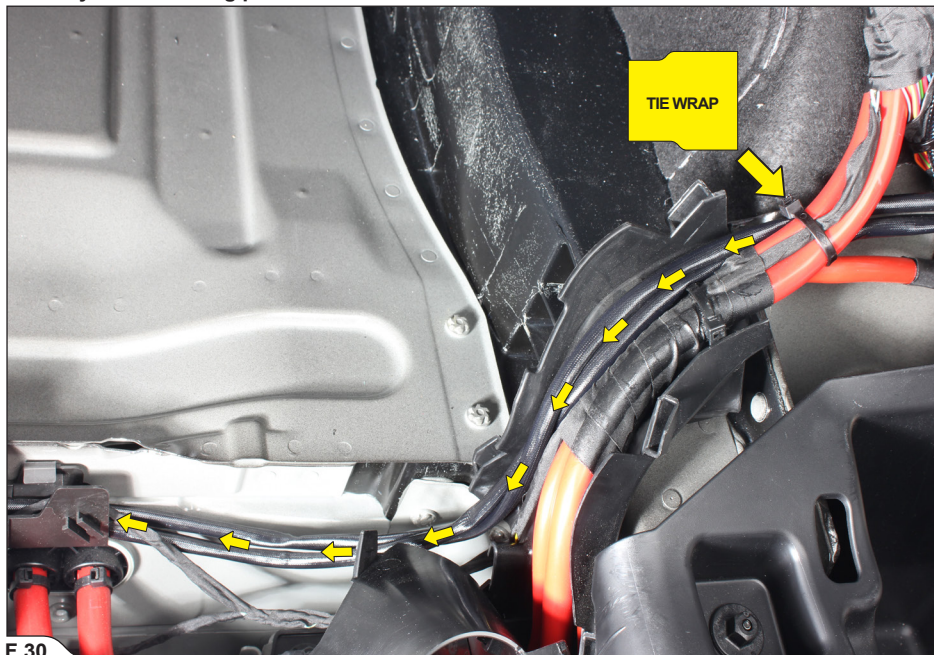
! **CAUTION:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!



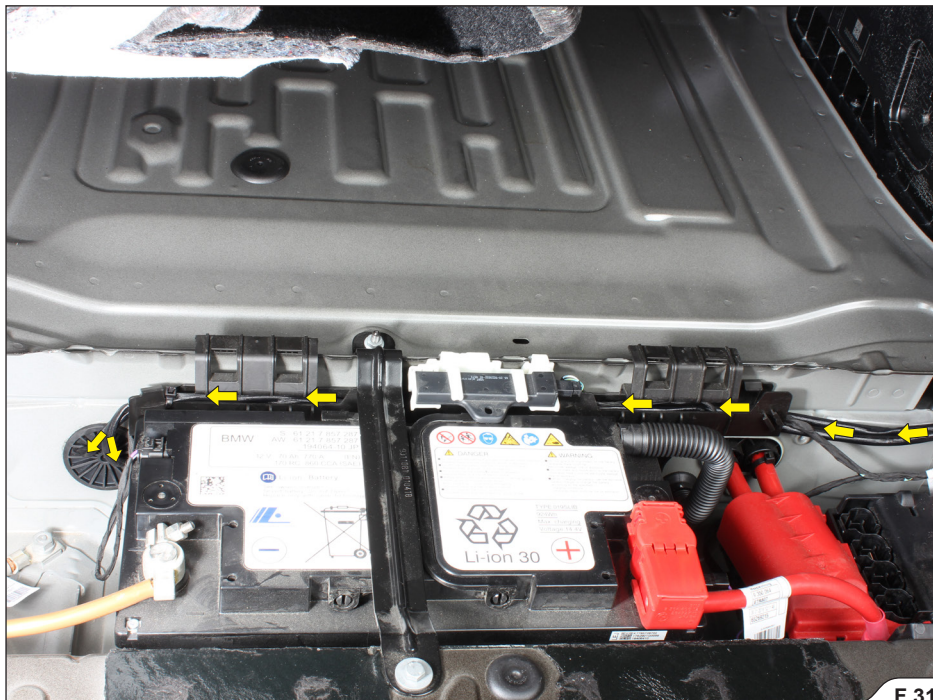
F 28

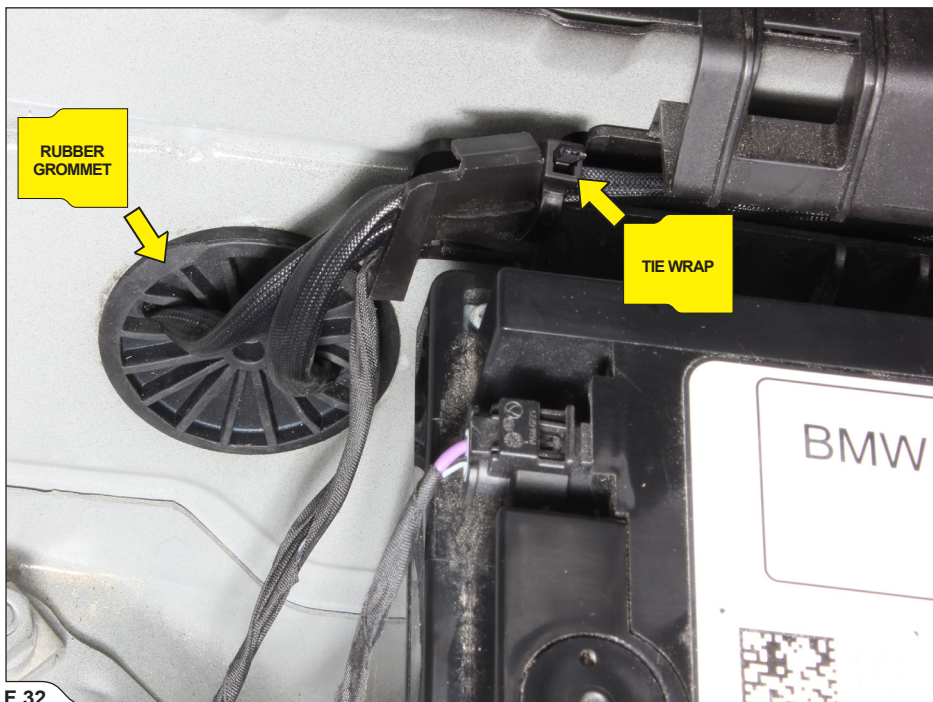


5. **For vehicles up to 2021 m.y. only:** lead the exhaust valves' wiring harnesses, as shown, through the chassis opening, to the left and right exhaust valves' actuators and secure the wiring in place, using tie wraps from Akrapovič installation kit; correctly attach the harness's rubber grommet into the chassis opening (**F 30, 31, 32, 33, 34**).
- !** **IMPORTANT:** make sure to secure the wiring harness in such a way, that it won't touch any hot or moving parts of the vehicle!

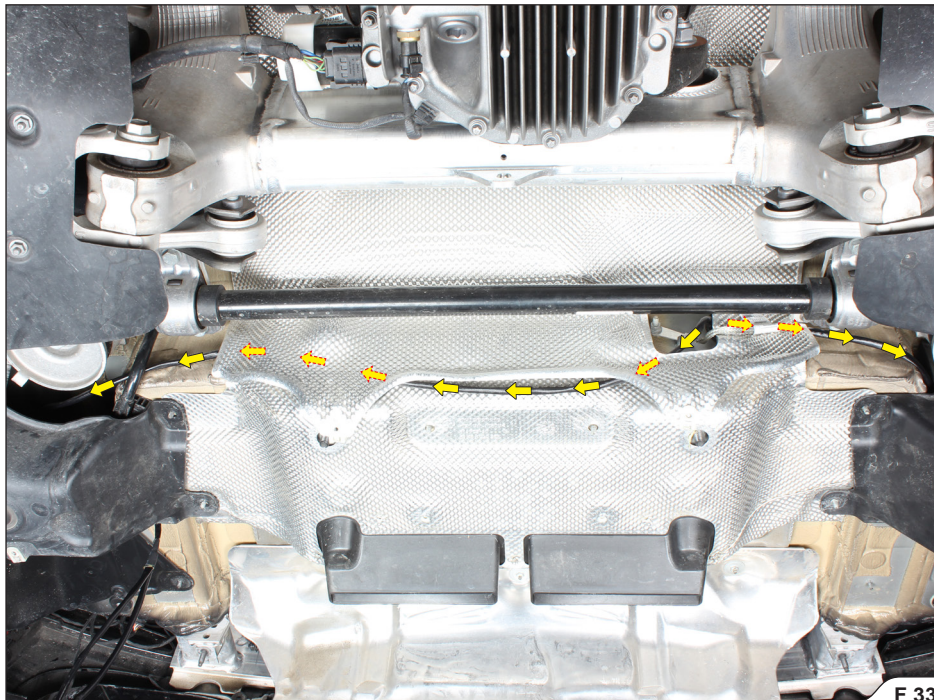


F 30

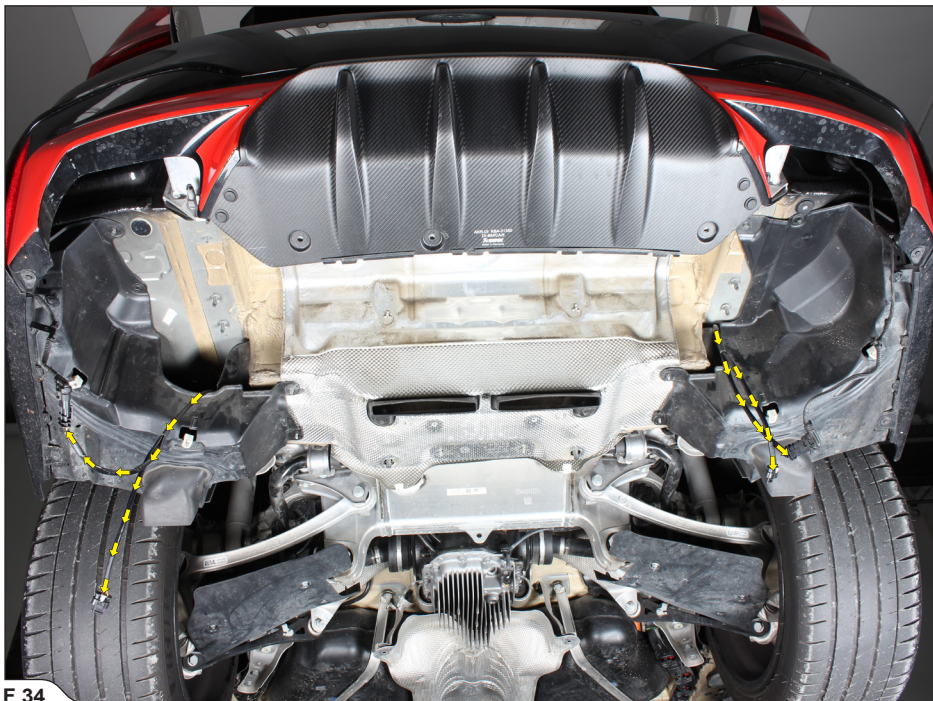




F 32



F 33



F 34

6. For vehicles after 2021 m.y. only: the Control Kit components (F 35):

1 - Controller TNG

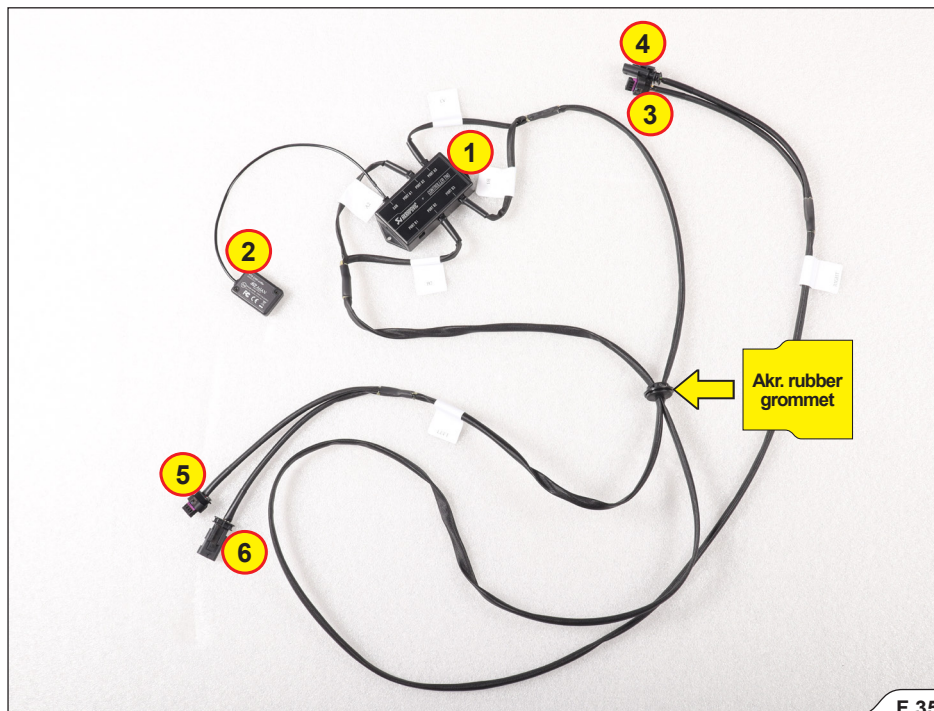
3 - To right valve actuator

5 - To left valve actuator

2 - CAN sniffer

4 - To right stock valve connector

6 - To left stock valve connector



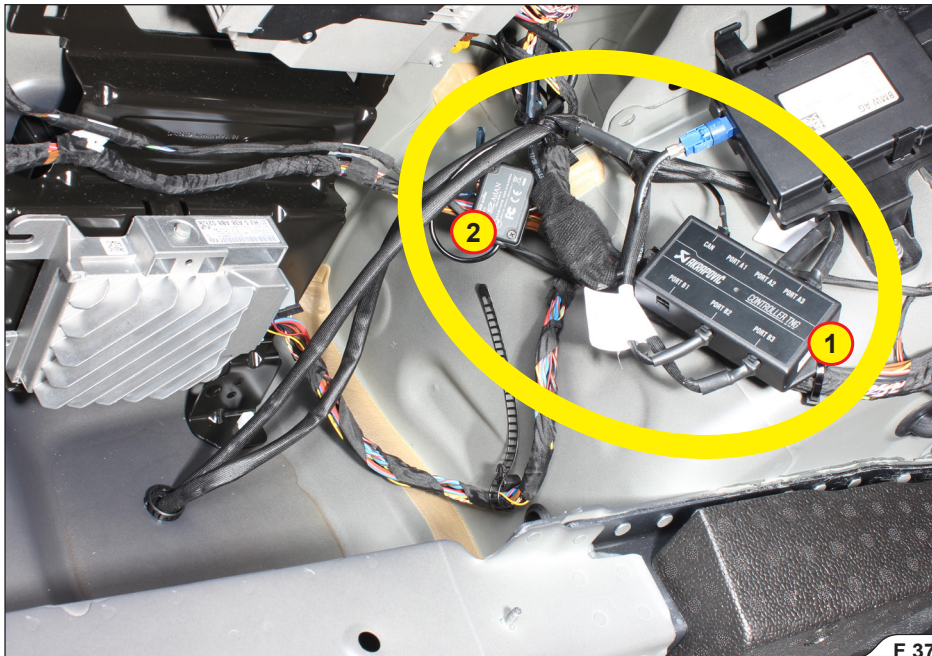
F 35

7. **For vehicles after 2021 m.y. only:** disconnect the A2, A3, B2 and B3 connectors from TNG controller; lead the Akrapovič harness from beneath the car, into the trunk, as shown (F 36).
- ! **IMPORTANT:** make sure not to damage the wires or connectors during this process!
- ! **IMPORTANT:** make sure, that Akrapovič grommet plugs into place correctly!

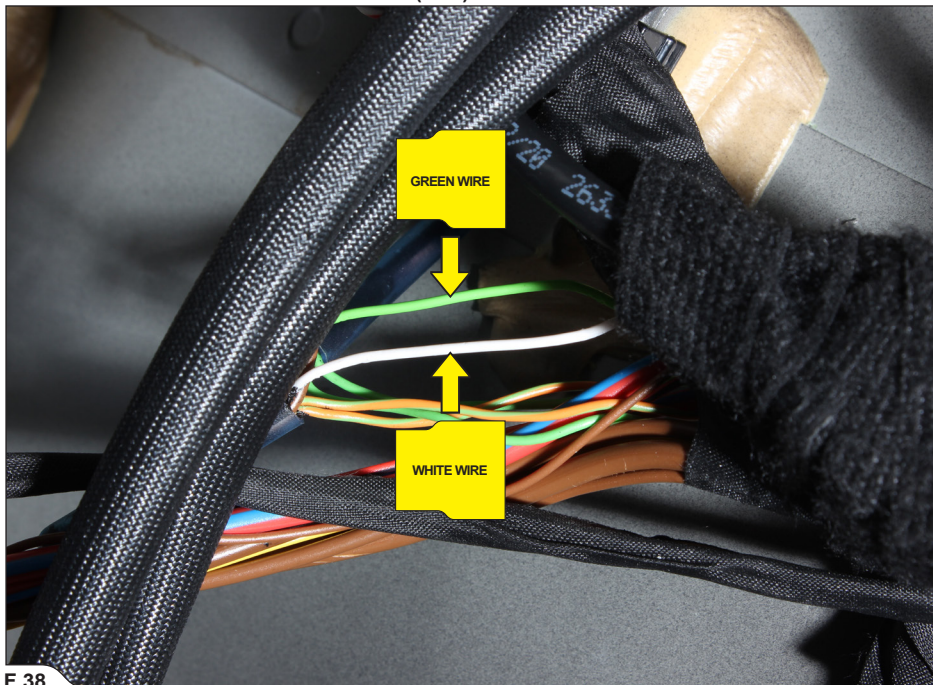


F 36

8. **For vehicles after 2021 m.y. only:** install and connect the Controller TNG and CAN sniffer components in the trunk, as shown; secure all wiring and components in place using tie wraps from Akrapovič installation kit and reconnect the A2, A3, B2 and B3 connectors to the Controller TNG unit (F 37, 38, 39, 40, 41).
- ! **IMPORTANT:** make sure to secure all Control Kit components in such a way, that they won't touch any hot or moving parts of the vehicle!



- ! **IMPORTANT:** carefully separate the **WHITE** and **GREEN** wires from the marked harness, unscrew the CAN sniffer's cover, lead the white and green wires through the CAN sniffer's wire grooves as shown and reinstall the cover (F 38, 39, 40).
- ! **IMPORTANT:** test the Control Kit; in case it doesn't function correctly, use another pair of **WHITE-GREEN** wires for CAN sniffer (F 38).

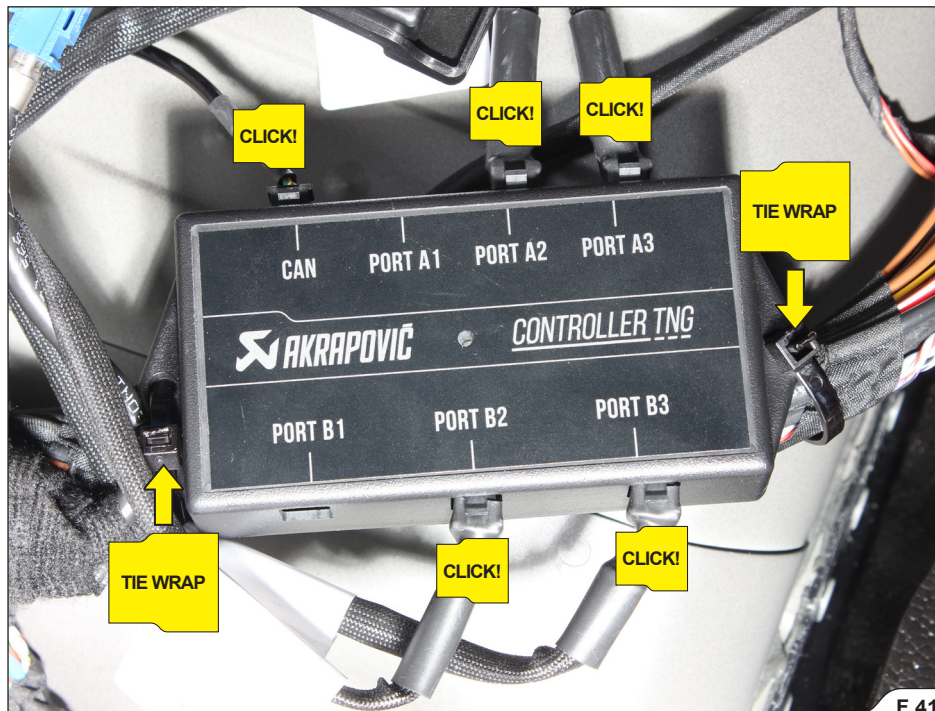


F 38



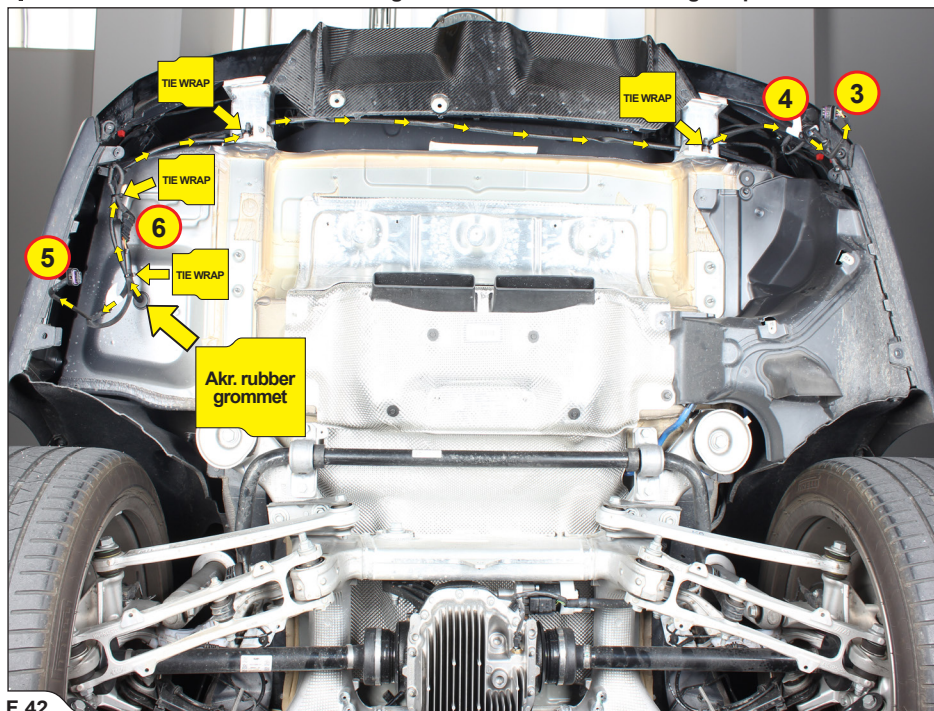


F 40



9. **For vehicles after 2021 m.y. only:** lead the Akrapovič left and right valves' harnesses, to the actuators positions, as shown and secure the harness, using tie wraps from Akrapovič installation kit (F 42).

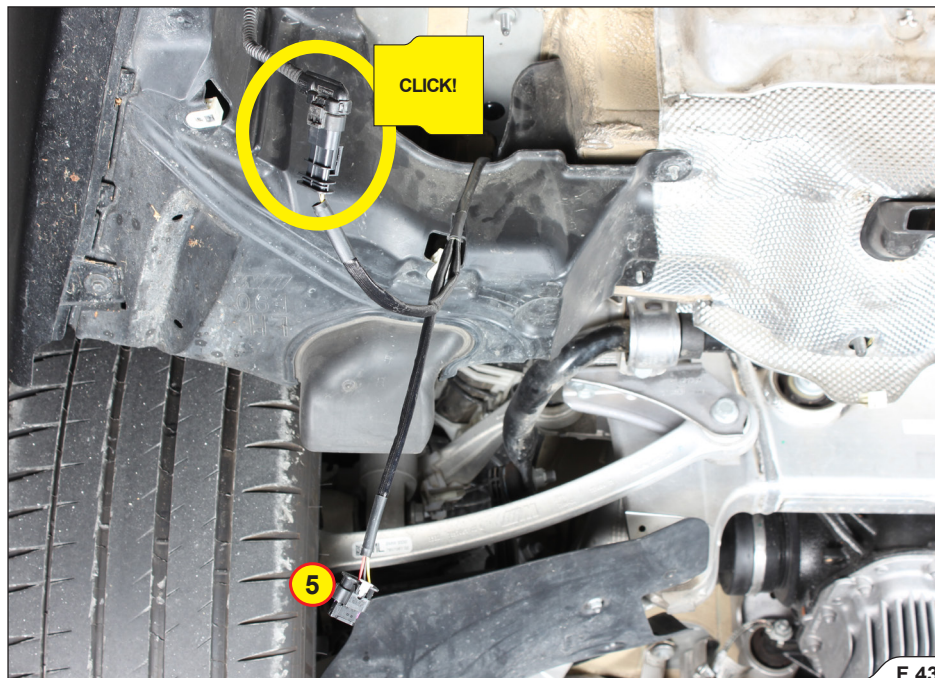
! **IMPORTANT:** make sure not to damage the wires or connectors during this process!

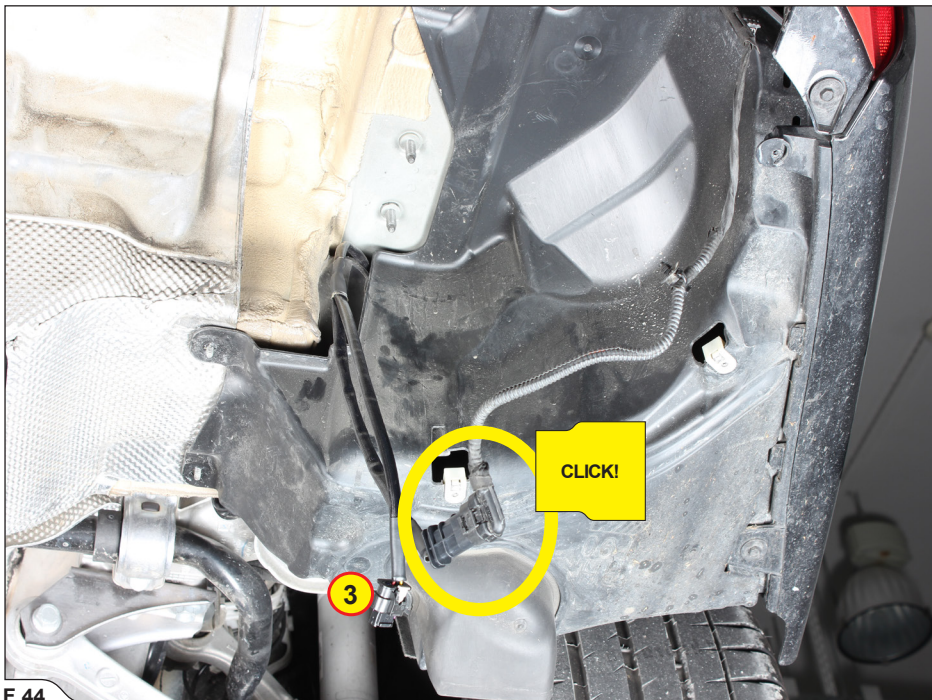


F 42

10. Connect Akrapovič female connectors to the original exhaust valves' male connectors on both sides of the vehicle (F 43, 44).

! **CAUTION:** make sure, not to injure yourself or damage any part of the vehicle during this procedure!

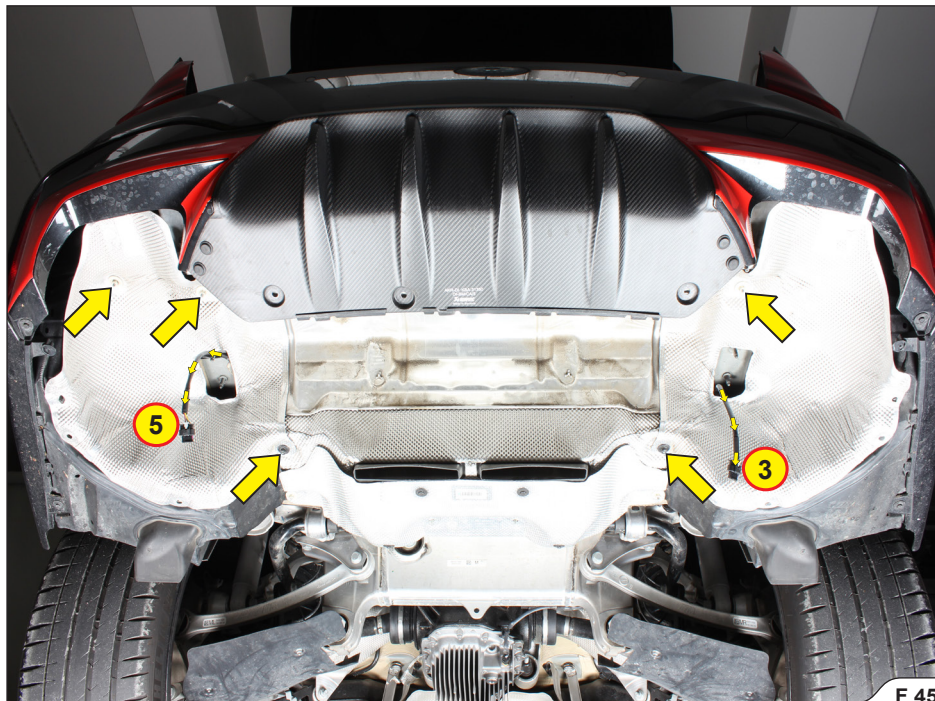




F 44

11. Reinstall the mufflers' heat shields; tuck the excess of the wiring behind the heat shields (F 45).

! CAUTION: make sure, not to injure yourself or damage any part of the vehicle during this procedure!

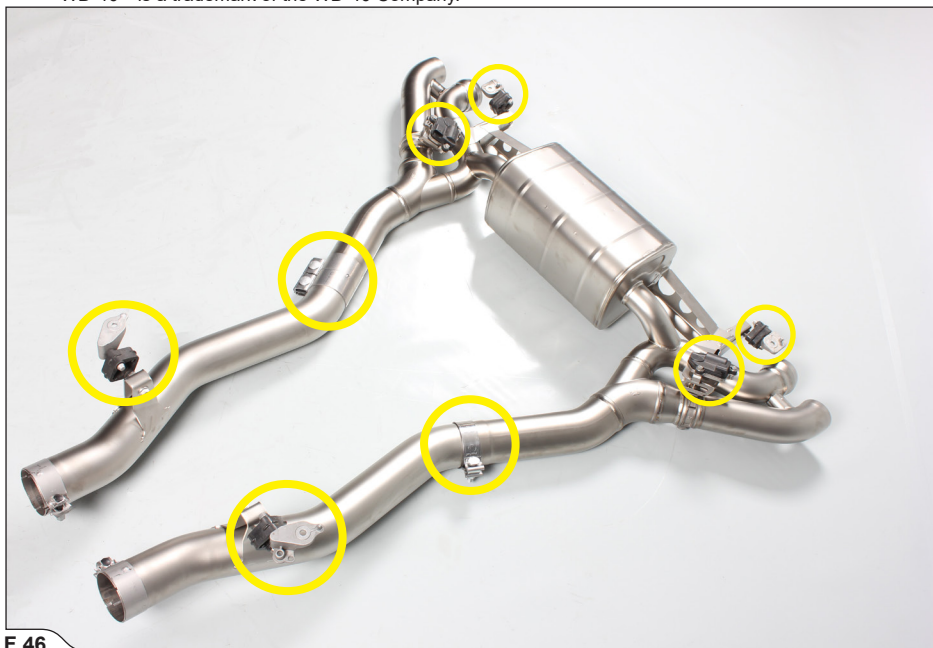


F 45

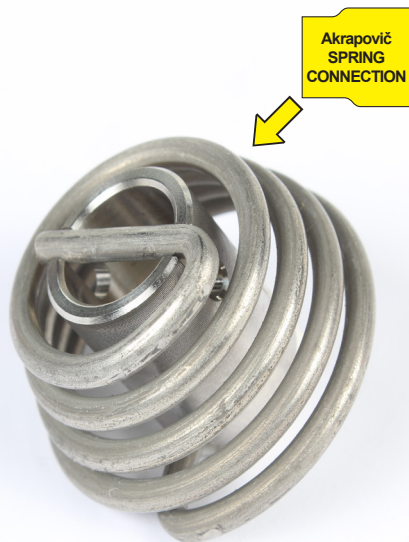
12. Assemble the stock rubber brackets, stock exhaust valve actuators (using **Akrapovič spring connections**, stock heat shields and stock bolts) and clamps from Akrapovič installation kit onto the Akrapovič muffler and adapter pipes as shown (F 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64).

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

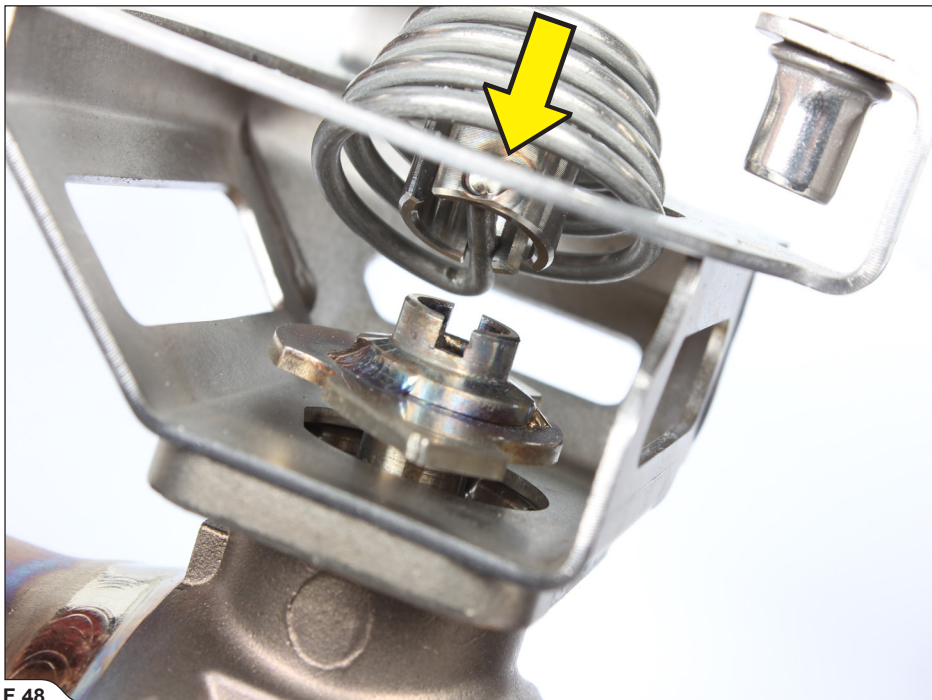
*WD-40® is a trademark of the WD-40 Company.



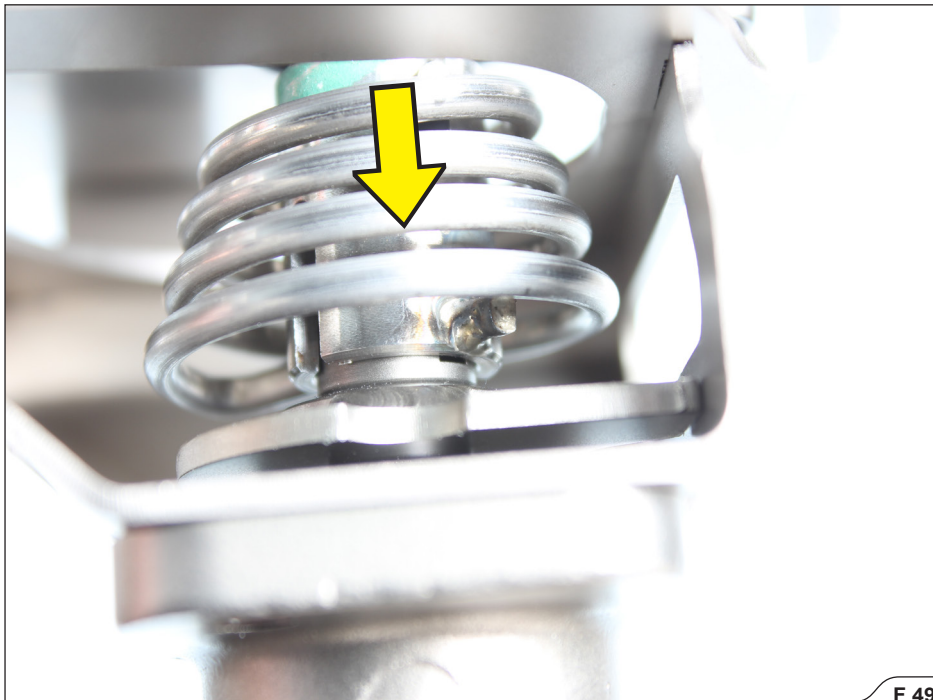
F 46

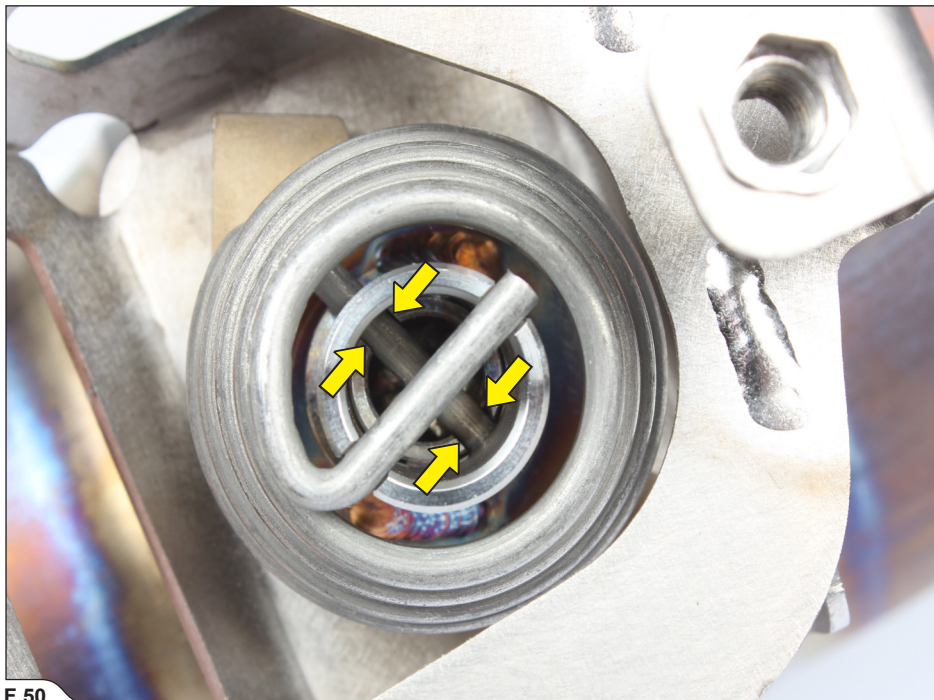


! **IMPORTANT:** make sure, that spring connection seats correctly into the valves' axle grooves (F 48, 49, 50)!



F 48

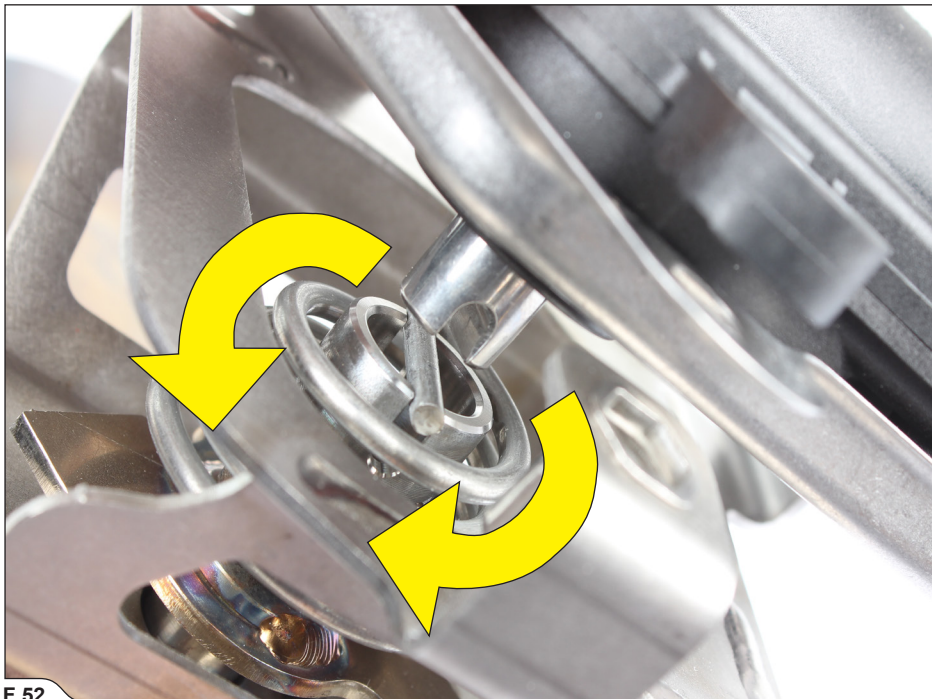




F 50

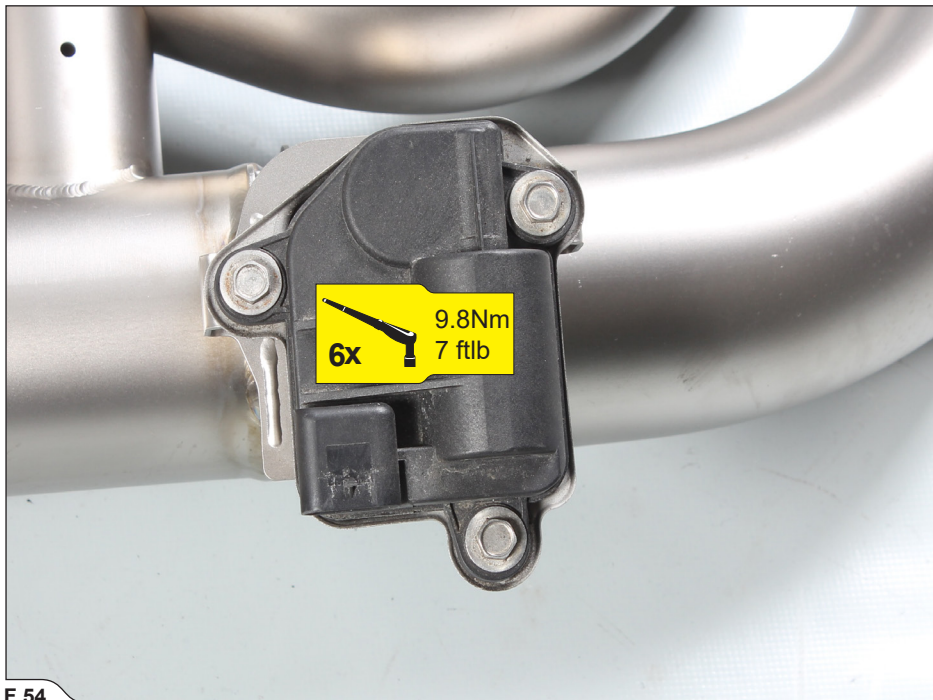


- !** **IMPORTANT:** make sure, that spring connections seat correctly into the actuators' axle grooves; rotate the spring connections together with valve axles, until they align with actuators' axle grooves (F 52, 53)!

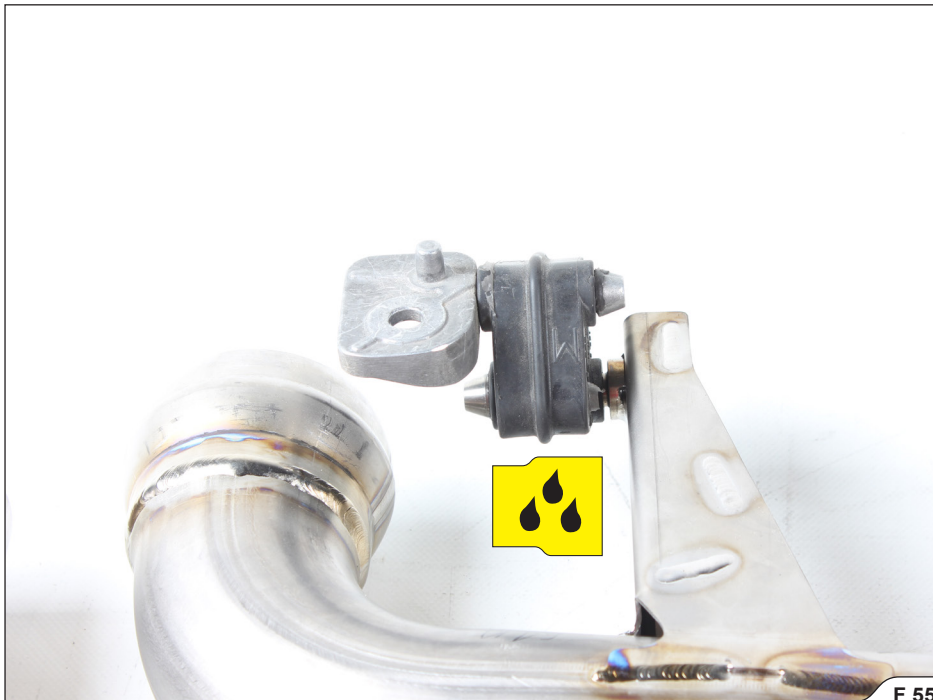


F 52





F 54

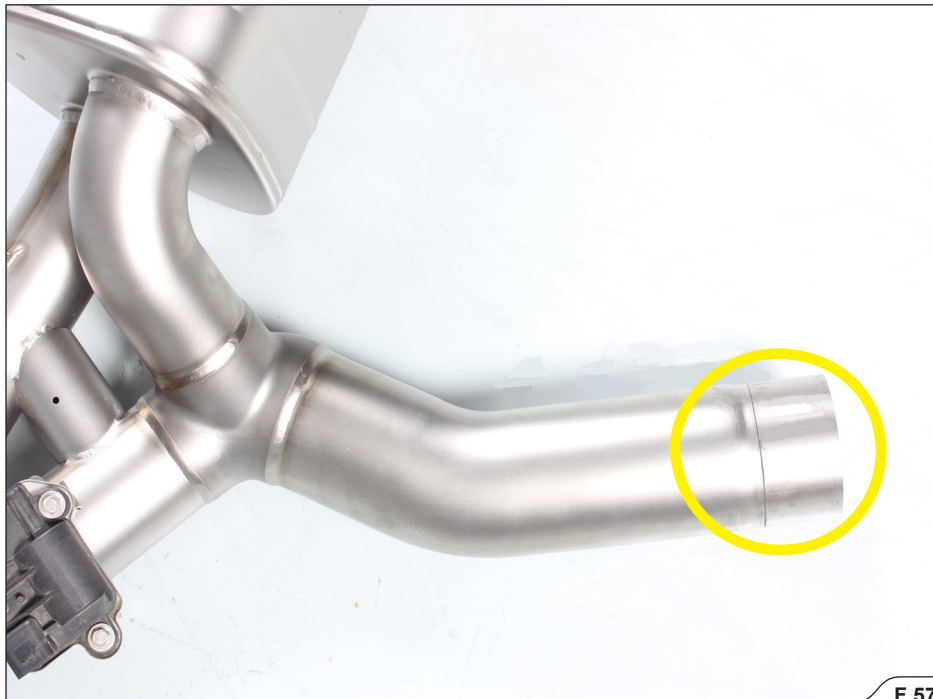


F 55



F 56

! **IMPORTANT:** mark the muffler's inlet pipe, 45 mm (1,77 in) from the beginning, for later adjustments (F 57, 58).



F 57



F 58

! IMPORTANT: mark the adapter pipes, 45 mm (1,77 in) from the beginnings, for later adjustments (F 59, 60).



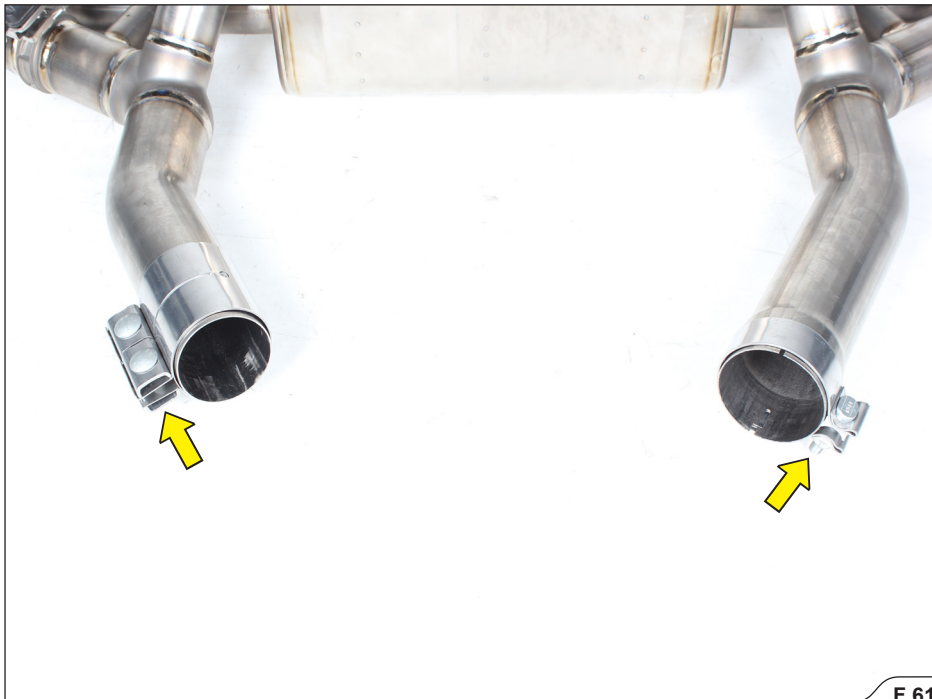
F 59

A close-up photograph of a metallic pipe, likely stainless steel, showing a section that has been cut. A yellow callout box is positioned over the cut edge, containing the dimensions '45 mm' and '1,77 in'. Below the callout box, a yellow double-headed arrow indicates the width of the cut section. The pipe is shown in a slightly curved perspective, with the cut edge on the left and the rest of the pipe extending to the right.

45 mm
1,77 in

F 60

! IMPORTANT: make sure, to orient the clamps, as shown (F 61)!



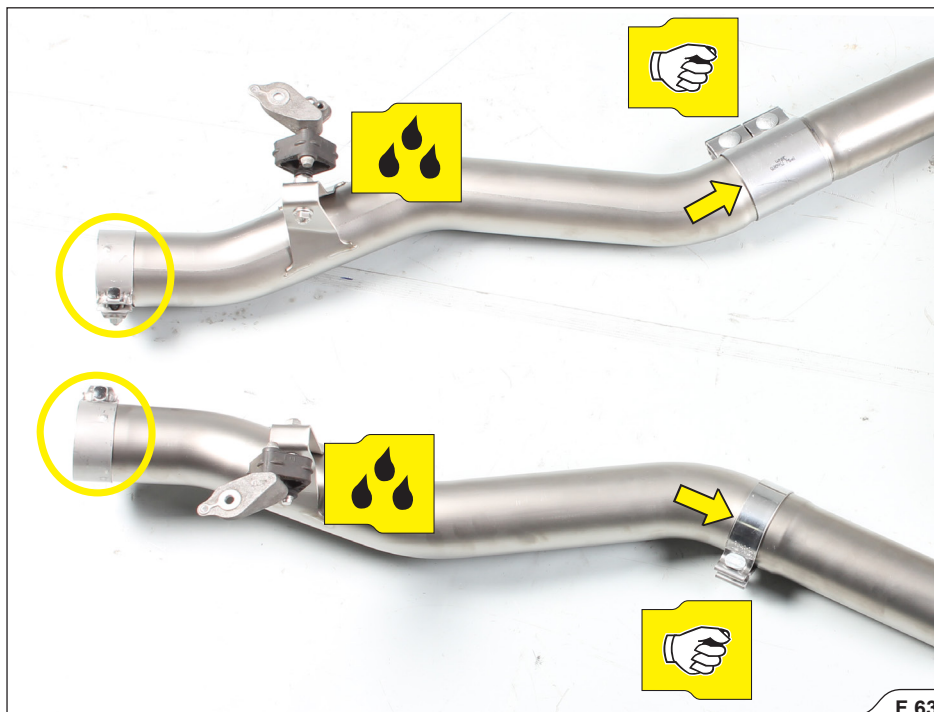
F 61

! **IMPORTANT:** unscrew the double clamp's nuts enough, to be able to slide the clamp completely onto the pipe (F 62)



F 62

! IMPORTANT: hand tighten the clamps only (F 63)!



F 63

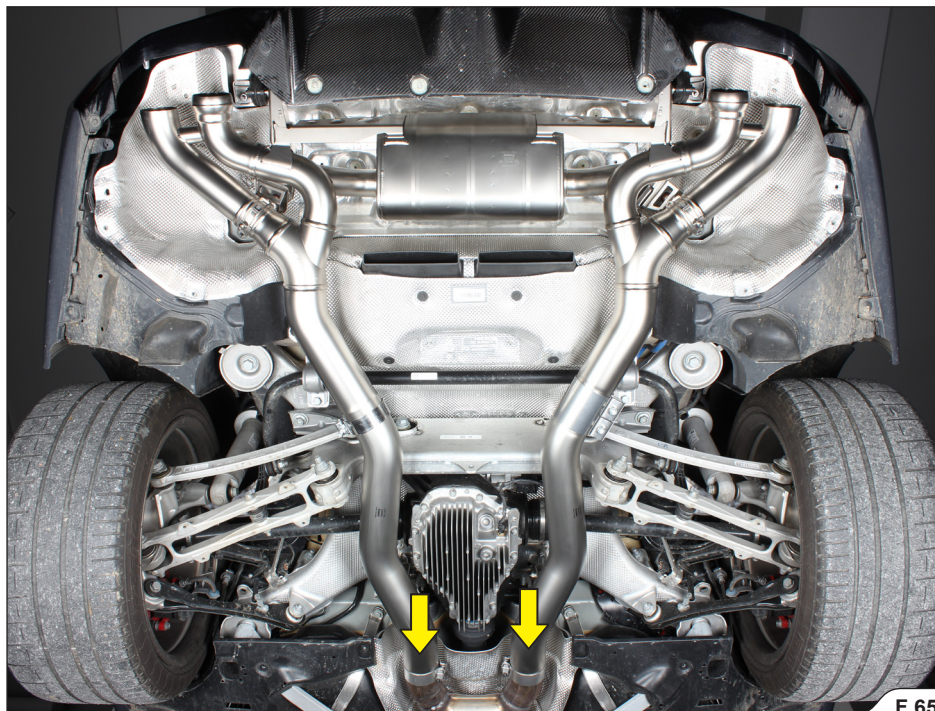
! IMPORTANT: hand tighten the clamps only (F 64)!



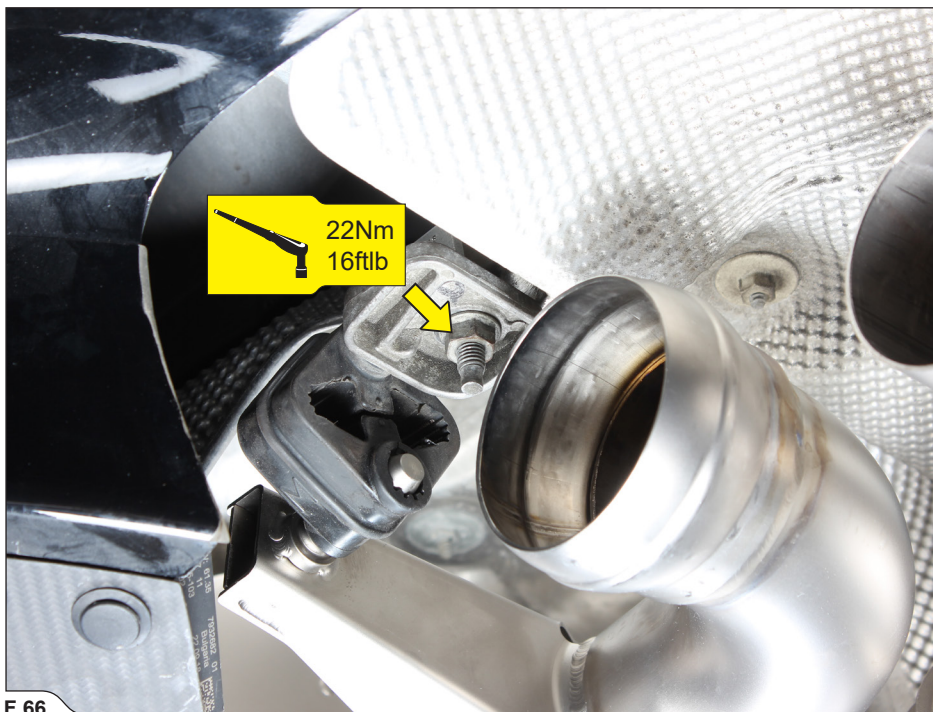
F 64

13. Carefully install the muffler onto the vehicle and tighten the rubber brackets onto the chassis (F 65, 66, 67, 68, 69).

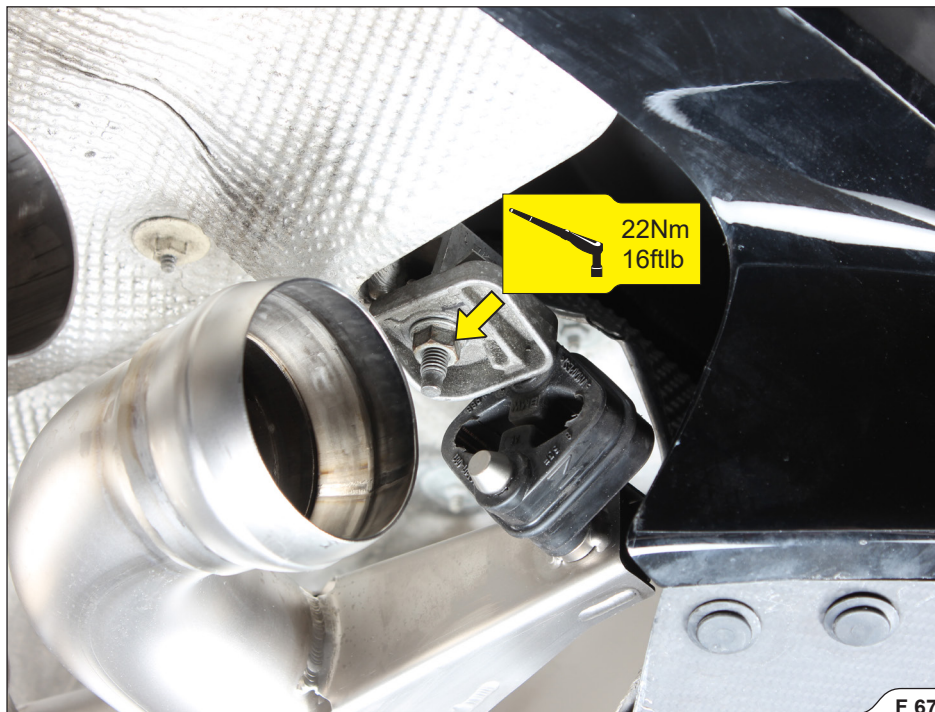
! CAUTION: make sure not to injure yourself or damage the link pipes during this process!

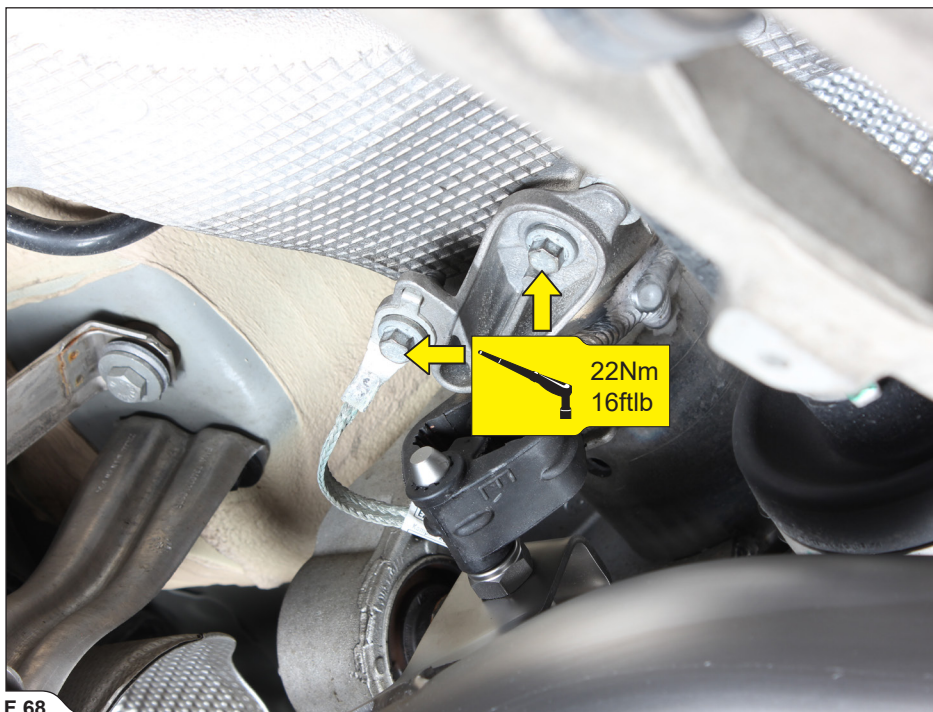


F 65

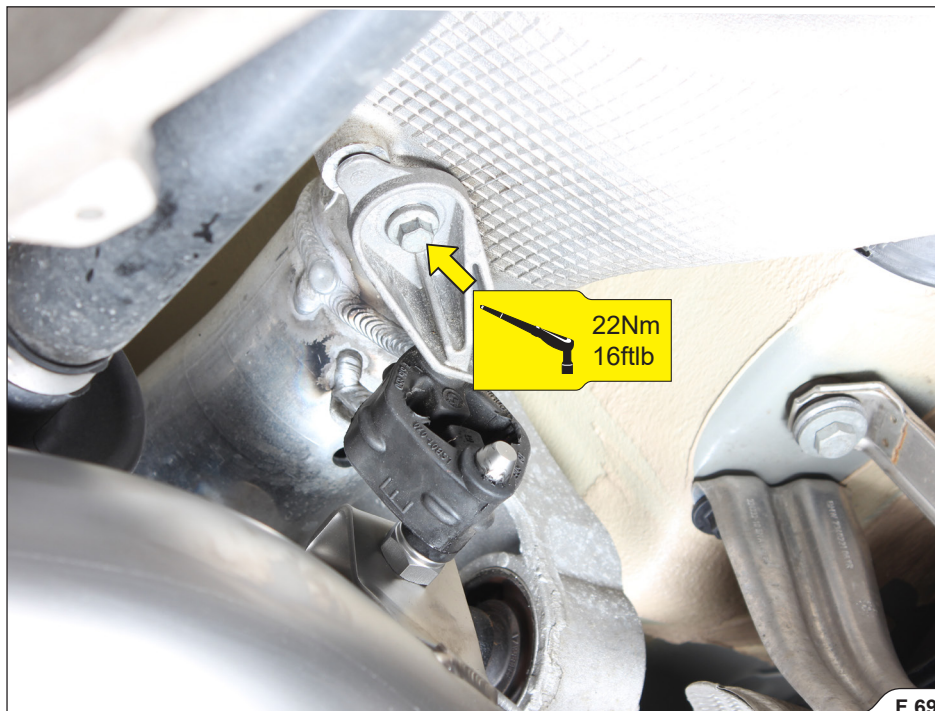


F 66



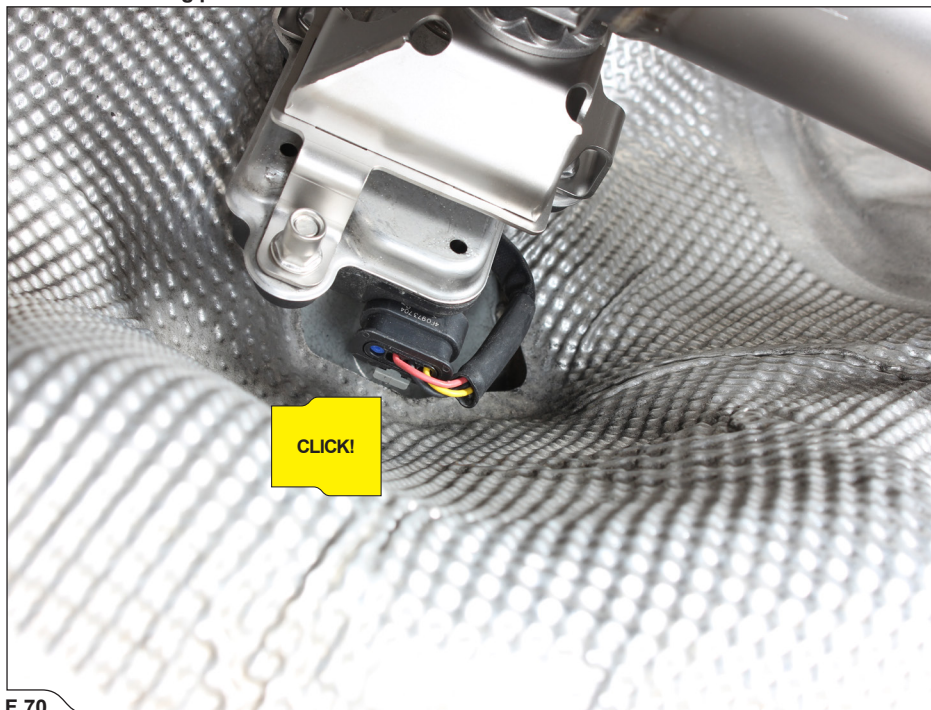


F 68



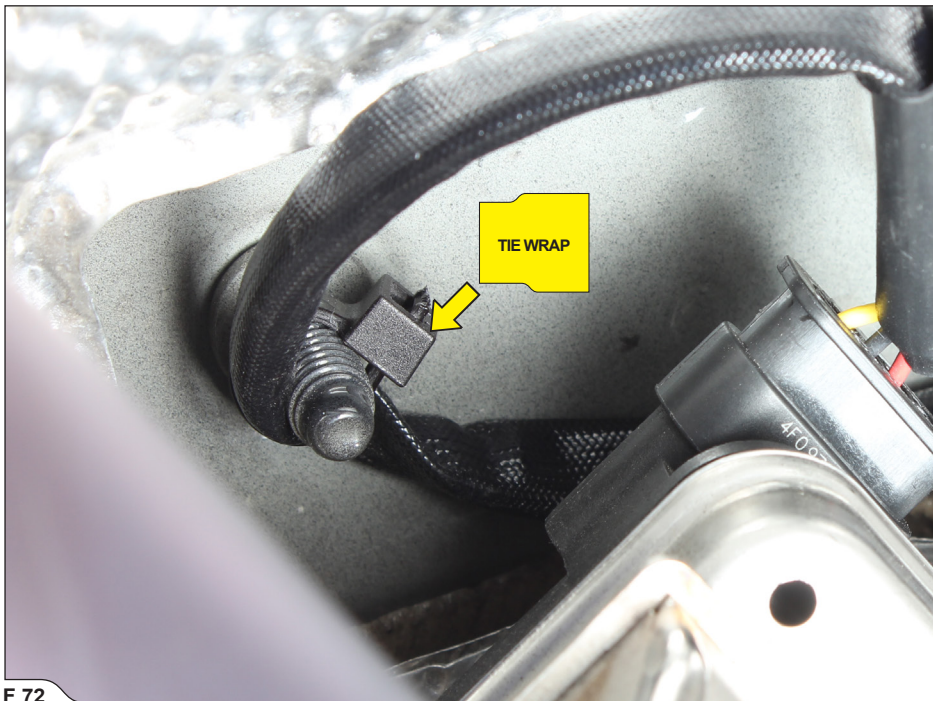
14. Connect and secure (using tie wraps from Akrapovič installation kit) the exhaust valve actuators' cables, as shown (F 70, 71, 72).

! **IMPORTANT:** make sure to secure the cables in such a way, that they won't touch any hot or moving parts of the vehicle!



F 70

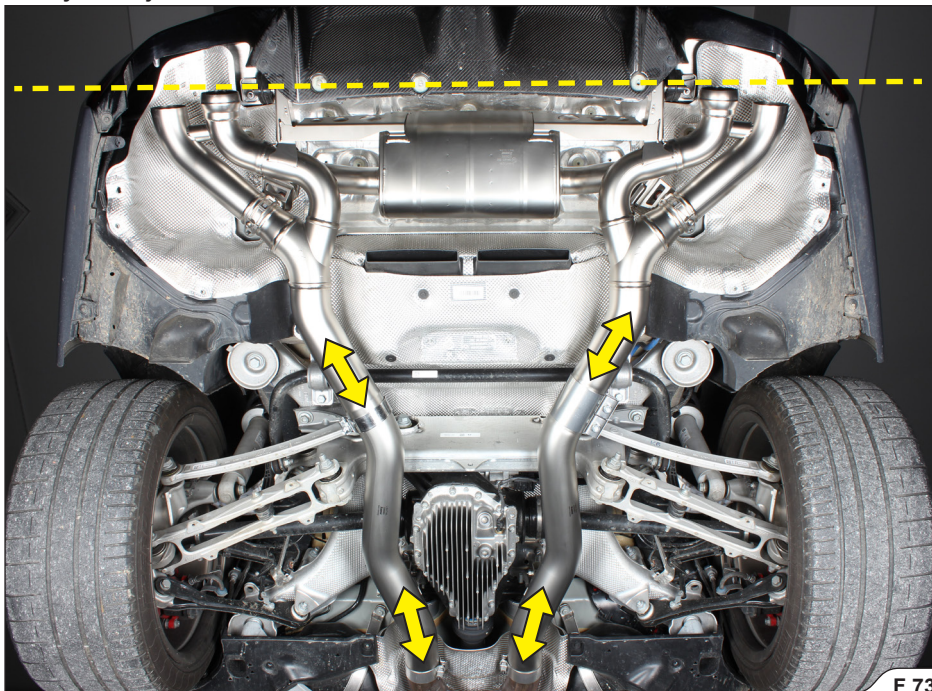




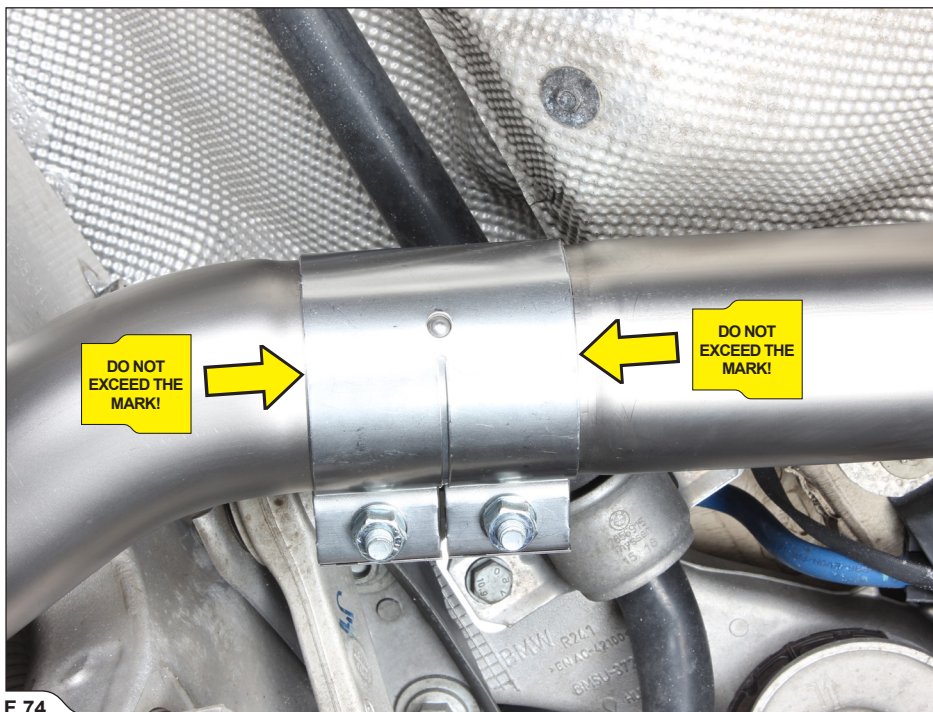
F 72

- Align the muffler in respect to the chassis and adjust all the connections in such a way, that the clearance between muffler and vehicle's heat shield is minimum 12 mm (0,47 in); do not exceed the 45 mm (1,77 in) marks on any of the connections (F 73, 74, 75, 76, 77, 78).

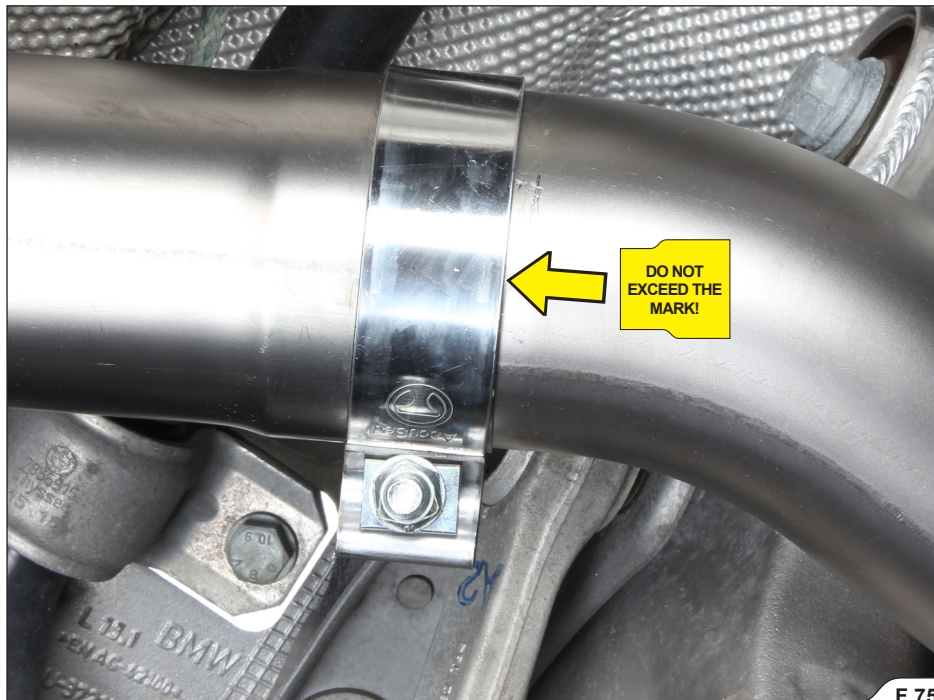
! CAUTION: do not exceed the 45 mm (1,77 in) marks on any of the connections, during exhaust system adjustment!

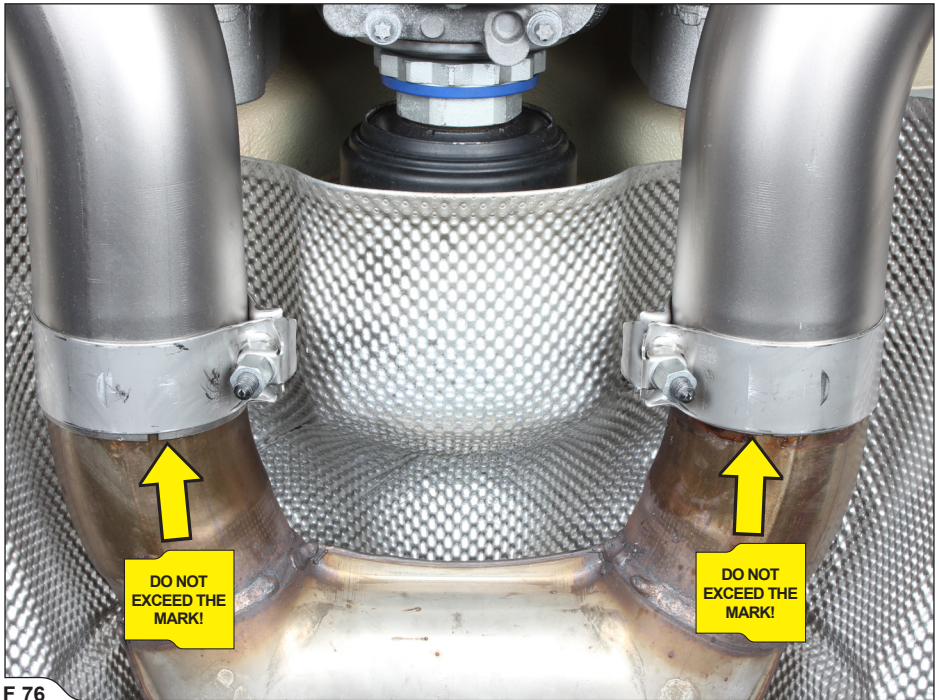


F 73

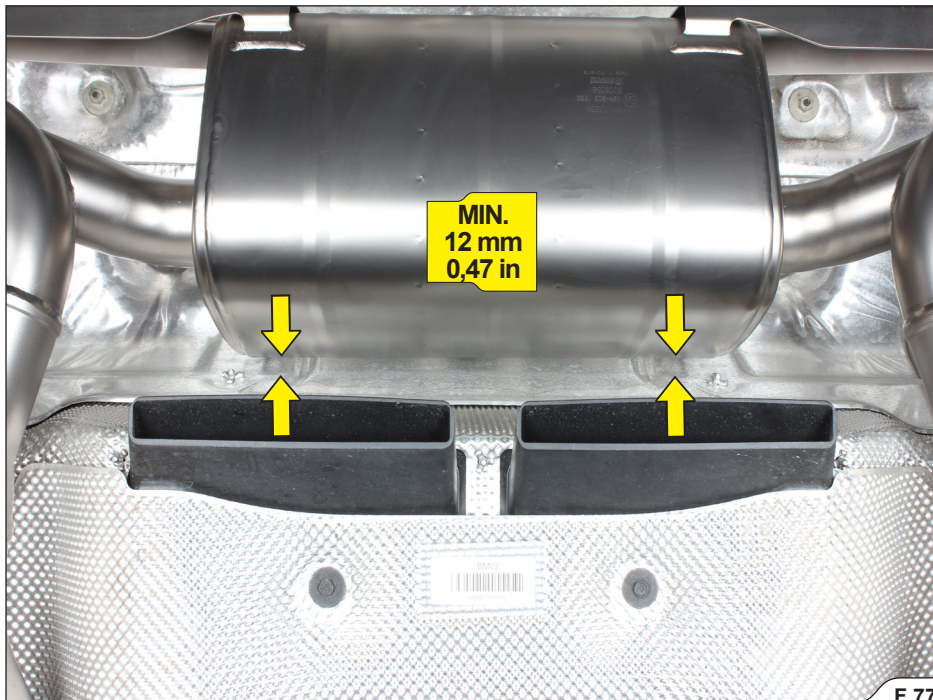


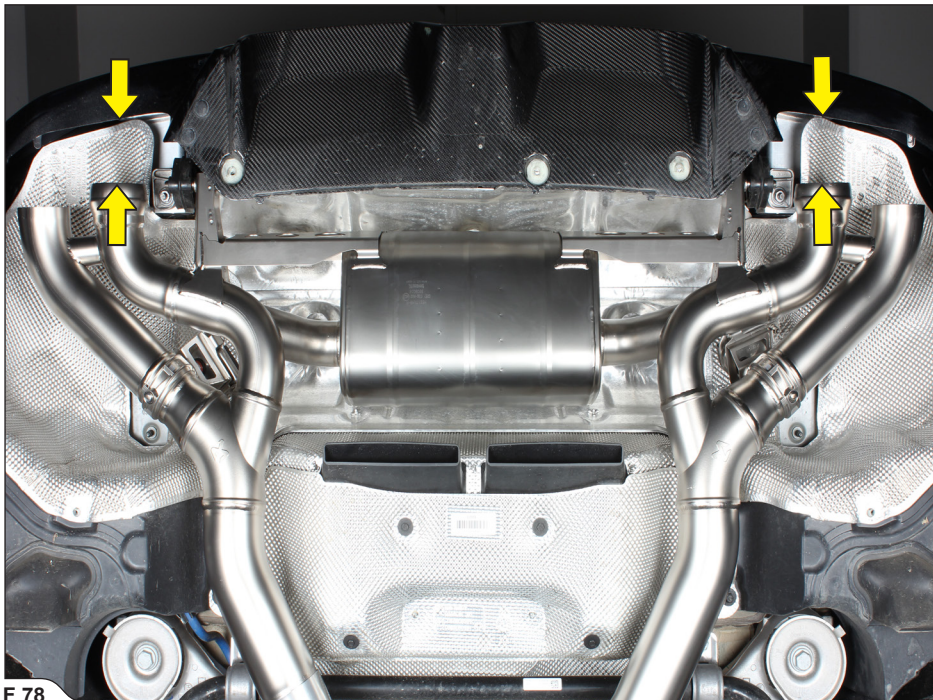
F 74





F 76

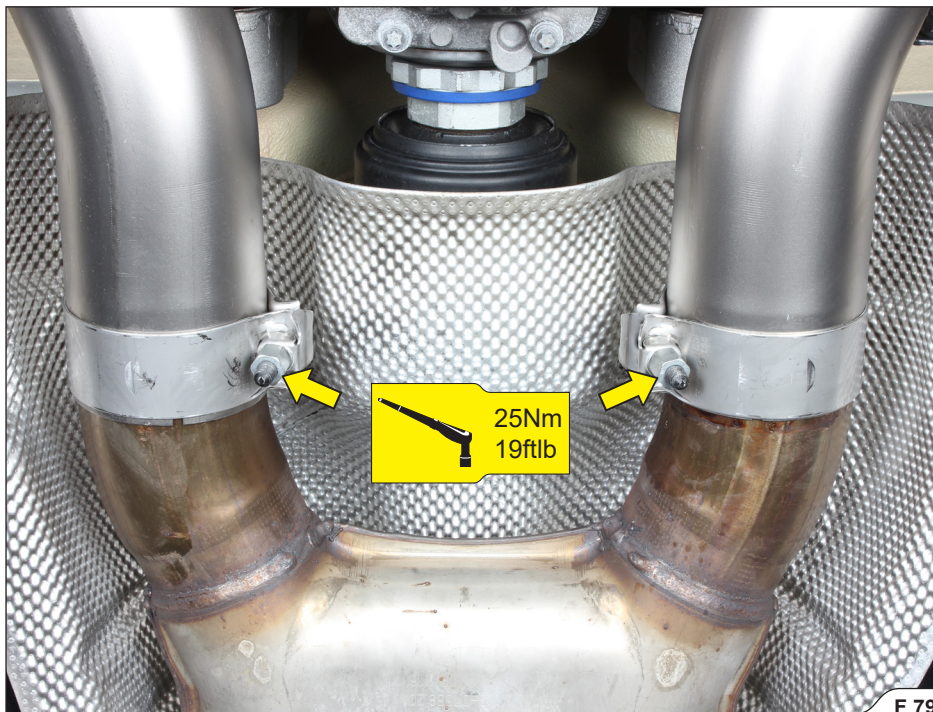




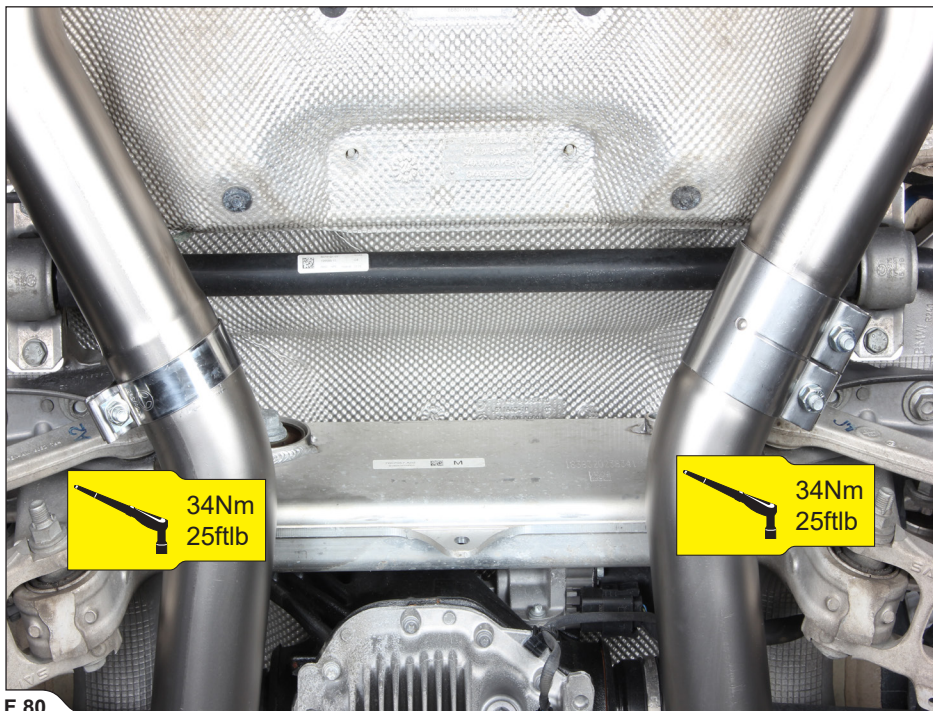
F 78

16. Adjust and tighten all the clamps to the specified torques (F 79, 80).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



F 79



F 80

- Slide the tail-pipes onto the muffler outlets. Rotate and center them in respect to rear bumper and according to your personal preference and tighten the clamps to the specified torque (F 81, 82, 83, 84, 85).

! **IMPORTANT:** make sure, not to damage tail pipes, bumper or any part of the vehicle during this process!



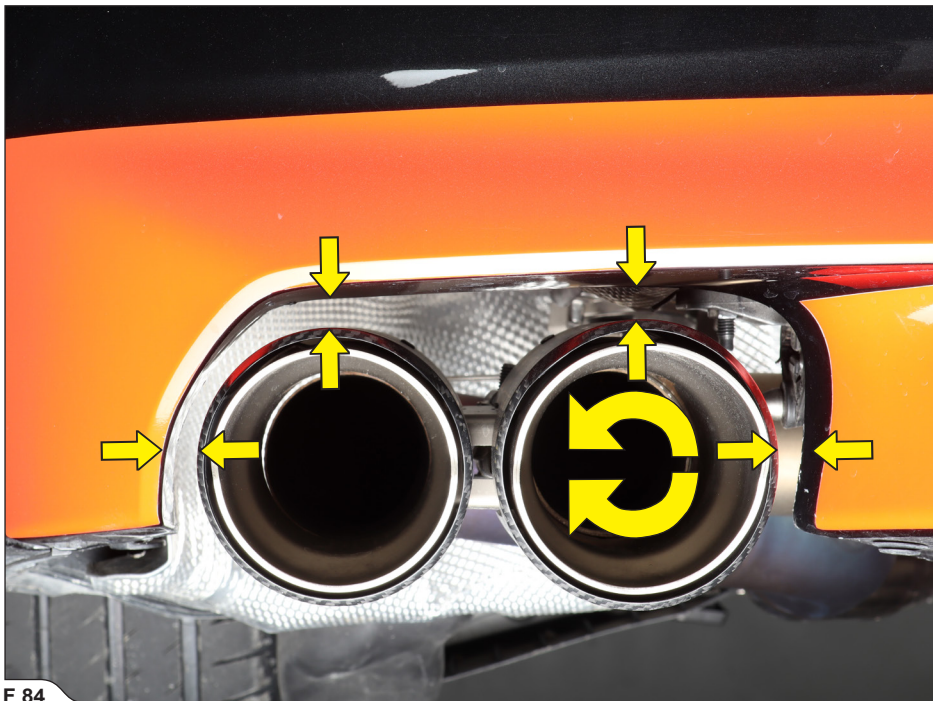
F 81



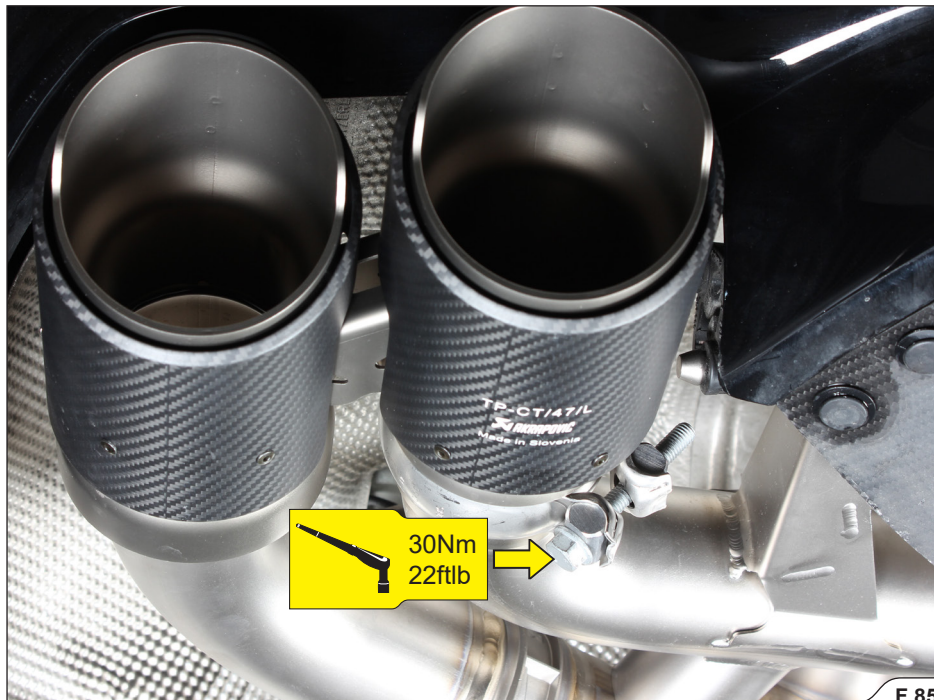
F 82



F 83

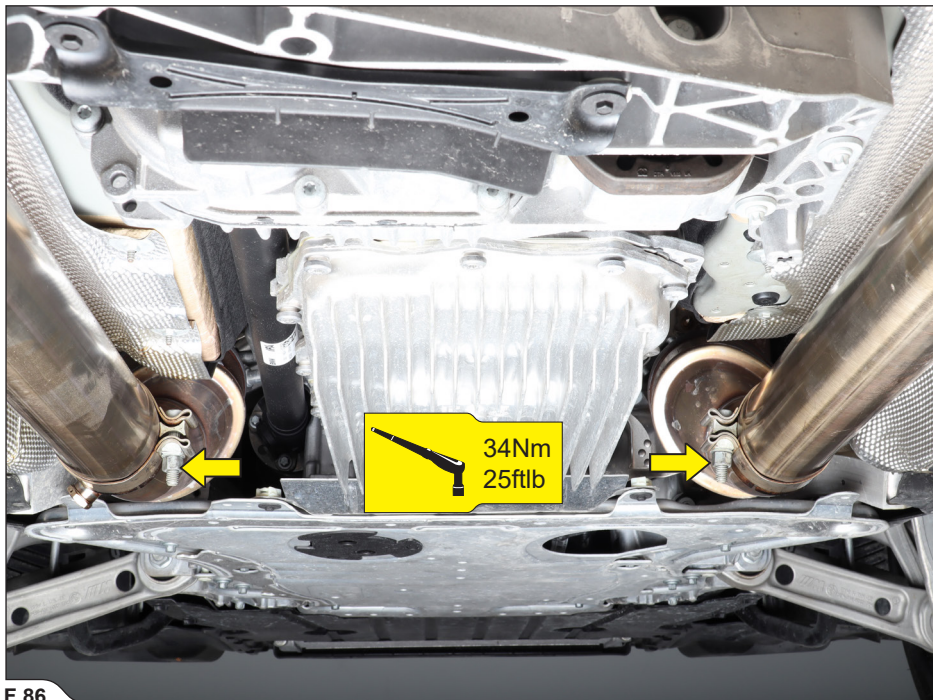


F 84



18. Retighten the marked clamps (F 86).

! **CAUTION:** make sure not to injure yourself or damage any part of the vehicle during this process!



F 86

FINAL INSTALLATION:

- ! **IMPORTANT:** reinstall the dismantled or partially removed stock parts (wheel arches, bumper etc.); check vehicle manufacturer workshop manual for correct procedures and tightening torques.
- ! **IMPORTANT:** make sure all the nuts and bolts are sufficiently tightened. In case the Akrapovič product touches the cowling or other parts, repeat the adjustment of the product or contact your authorized dealer.
- ! **IMPORTANT:** clean all Akrapovič product's surfaces before the first start of the engine or the stains will burn onto the surfaces!

MAINTENANCE OF THE AKRAPOVIČ PRODUCT:

1. Clean all Akrapovič product's surfaces. Cleaning will prevent spots from burning onto the surface. Do not use aggressive chemical cleaners, because they can damage the surface:
 - **Titanium surfaces** (titanium muffler's outer sleeve, titanium pipes etc): use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40® or equivalent)*, then wipe with a soft dry cloth.
 - **Carbon-fiber surfaces** (carbon-fiber outlet cap, carbon-fiber muffler's outer sleeve, carbon-fiber bracket etc): use a soft dry cloth sprayed with all purpose foam cleaner, then wipe with a soft dry cloth.
 - **Painted surfaces** (painted outlet cap, painted muffler's outer sleeve, painted bracket etc): use a soft cloth sprayed with all purpose foam cleaner, then wipe with a soft dry cloth.
 - **Chrome plated surfaces** (chrome plated outlet cap, chrome plated muffler's outer sleeve etc): use a soft cloth sprayed with all purpose foam cleaner, then wipe with a soft dry cloth.
 - **Stainless steel surfaces** (stainless steel muffler's outer sleeve, stainless steel pipes etc): use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth.

*WD-40® is a trademark of the WD-40 Company.
2. Periodically check if all the Akrapovič product's nuts and bolts are sufficiently tightened.

- ! **IMPORTANT: IT IS NORMAL FOR WHITE SMOKE TO COME OUT OF THE MUFFLER AT FIRST OPERATION.**
- ! **CAUTION: DO NOT STAND BEHIND THE MUFFLER AT ANY TIME.**
- ! **IMPORTANT: DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN THE AKRAPOVIČ EXHAUST SYSTEMS.**
- ! **IMPORTANT: WE RECOMMEND HIGH CAUTION WHEN USING POWER / PRESSURE WASHER FOR CLEANING PAINTED / LACQUERED SURFACES OF THE AKRAPOVIČ COMPONENTS, TO AVOID PAINT / LACQUER DAMAGE.**
- ! **IMPORTANT: SOME OF THE AKRAPOVIČ CARBON FIBER COMPONENTS ARE ADDITIONALLY PROTECTED AGAINST ROCK CHIPS WITH CLEAR LACQUER PROTECTION FILM. THE PROTECTION FILM IS AVAILABLE AS SPARE PART BY AKRAPOVIČ COMPANY. THE PROTECTION FILM IS NOT THE SUBJECT OF THE AKRAPOVIČ WARRANTY.**
- ! **IMPORTANT: ALL AKRAPOVIČ PRODUCTS ARE DEVELOPED AND DESIGNED TO BE USED ON SPECIFIC VEHICLES, FOR THEIR ENTIRE EXPECTED LIFETIME. PLEASE MAKE SURE THAT END-OF-LIFE AKRAPOVIČ PRODUCT IS DISASSEMBLED TO COMPONENTS SHOWN IN THE PRODUCT'S SCHEMATIC DIAGRAM AVAILABLE ON THE AKRAPOVIČ WEBSITE AND EACH COMPONENT SCRAPPED RESPONSIBLY AND ACCORDING TO APPLICABLE LOCAL LAWS AND REGULATIONS. AKRAPOVIČ DOES NOT ASSUME ANY OBLIGATION OR RESPONSIBILITY WITH RESPECT TO THE SCRAPPING PROCESS OR PROVIDING INFORMATION RELATED THERETO.**
- ! **CAUTION: THE EXHAUST SYSTEM CAN BE EXTREMELY HOT. ALLOW THE EXHAUST AND ENGINE TO COOL DOWN BEFORE BEGINNING INSTALLATION OR ANY OTHER WORK ON THE EXHAUST SYSTEM. THIS MANUAL IS SPECIFIC TO THE BMW M5 COMPETITION TYPE F90. THERE MAY BE SOME DIFFERENCES IN INSTALLATION PROCEDURES FOR OTHER MODELS.**

TROUBLESHOOTING (for vehicles after 2021 m.y. only):

Problem	Possible cause	Solution
Exhaust gas leaks out of the muffler/pipe clamp connections	loosened clamp	tighten the clamp to specified torque
	connection is not completely joined	tap the connection into place and tighten the clamp to specified torque
Valves are not moving	No supply	Check green LED on the Controller TNG. If the LED is off: <ul style="list-style-type: none"> • Check electrical connection and connectors • Check fuse for exhaust valves
	Error detected	Check green LED on the Controller TNG. If the LED is continuously ON: <ul style="list-style-type: none"> • There are no errors detected. If the LED is continuously blinking: <ul style="list-style-type: none"> • There is an error detected. Connect the Controller TNG to PC via micro USB cable and use AkraTools diagnostic utility, that can be found at http://www.akrapovic.com

TROUBLESHOOTING (for vehicles up to 2021 m.y. only):

Problem	Possible cause	Solution
Exhaust gas leaks out of the muffler/ pipe clamp connections	loosened clamp	tighten the clamp to specified torque
	connection is not completely joined	tap the connection into place and tighten the clamp to specified torque
Valves are not moving	No supply	<p>Check green LED on the Control Kit.</p> <p>If the LED is off:</p> <ul style="list-style-type: none"> • Check electrical connection and connectors • Check fuse for exhaust valves (in the trunk, right)
	Error detected	<p>Check green LED on the Control Kit.</p> <p>If the LED blinks one time per period:</p> <ul style="list-style-type: none"> • Check Left input harness and connectors. <p>If the LED blinks two times per period:</p> <ul style="list-style-type: none"> • Check Right Input harness and connectors. <p>If the LED blinks three times per period:</p> <ul style="list-style-type: none"> • Check Left Output harness and connectors. <p>If the LED blinks four times per period:</p> <ul style="list-style-type: none"> • Check Right Output harness and connectors. <p>If the LED is continuously blinking:</p> <ul style="list-style-type: none"> • Check if CAN sniffer is properly installed. • Check CAN sniffers connections and connector <p>Period lasts approximately one second.</p>

DECLARATION OF CONFORMITY OF CONTROLLER TNG

COMPANY: Akrapovič d.d.
ADDRESS: Malo Hudo 8a
1295 Ivančna Gorica, Slovenia

declares that the following products:

Product name: Controller TNG
Trade Name: Akrapovič
Type or model: P-AE100

is in conformity with the requirements of the following Directives of the European Union:
Regulation UN/ECE-R10 rev6



10R -06 1323

FCC NOTICE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: **(1)** This device may not cause harmful interference, and **(2)** this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

You can view your product's FCC Declaration of Conformity (DoC) to the FCC 47 CFR Part 15, SubpartB, at: <http://www.akrapovic.com/docs/ControllerTNG/FCCCertification.pdf>.

European Union Directives Conformance Statement

CE Akrapovič d.d. hereby declares that this Akrapovič Controller TNG P-AE100 is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU

You can view your product's Declaration of Conformity (DoC) to Directive 2014/30/EU (to EMC Directive) at: <http://www.akrapovic.com/docs/ControllerTNG/CECertification.pdf>.

DECLARATION OF CONFORMITY OF CONTROL KIT

COMPANY: Akrapovič d.d.
ADDRESS: Malo Hudo 8a
1295 Ivančna Gorica, Slovenia

declares that the following products:

Product name: Control Kit
Trade Name: Akrapovič
Type or model: P-HF886

is in conformity with the requirements of the following Directives of the European Union:
Regulation UN/ECE-R10 rev5



10 R - 05 1139

FCC NOTICE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: **(1)** This device may not cause harmful interference, and **(2)** this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

You can view your product's FCC Declaration of Conformity (DoC) to the FCC 47 CFR Part 15, SubpartB, at <http://www.akrapovic.com/docs/ControlKit/FCCCertification.pdf>.

Industry Canada compliance statement

This Class B digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and **(2)** this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et **(2)** l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

European Union Directives Conformance Statement

CE Akrapovič d.d. hereby declares that this Akrapovič Control Kit P-HF886 is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EU

You can view your product's Declaration of Conformity (DoC) to Directive 2004/108/EU (to EMC Directive) at <http://www.akrapovic.com/docs/ControlKit/CECertification.pdf>.

DECLARATION OF CONFORMITY

COMPANY: Atlan d.o.o.
ADDRESS: Sveti Anton, Hrib 9
6276 Pobegi, Slovenia

declares that the following products:

Product name: Communication Detector
Trade Name: Atlan
Type or model: VTS CAN SNIFFER

is in conformity with the requirements of the following Directives of the European Union:
Regulation UN/ECE-R10 rev5



10 R - 05 1141

FCC NOTICE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: **(1)** This device may not cause harmful interference, and **(2)** this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

You can view your product's FCC Declaration of Conformity (DoC) to the FCC 47 CFR Part 15, SubpartB, at <http://www.akrapovic.com/docs/CanSniffer/FCCCertification.pdf>.

Industry Canada compliance statement

This Class B digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and **(2)** this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et **(2)** l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

European Union Directives Conformance Statement

CE Atlan d.o.o. hereby declares that this Atlan Communication Detector VTS CAN SNIFFER is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EU

You can view your product's Declaration of Conformity (DoC) to Directive 2004/108/EU (to EMC Directive) at <http://www.akrapovic.com/docs/CanSniffer/CECertification.pdf>.

www.akrapovic.com

