

EC COMPONENT TYPE-APPROVAL CERTIFICATE

**in respect of a non-original exhaust system
for a type of motorcycle.**

Report Number: *13-00126-CM-GBM-00* By technical service: *TÜV SÜD Automotive GmbH* Date: *24.10.2013*

Component type-approval number: *e24*97/24*2009/108/9/III*0237*00* Number of extension: *N/A*

1. Make of exhaust: *AKRAPOVIC Exhaust System Technology*
2. Type of exhaust: *M-HR040*
Variant(s): *M-HR040 05T*
M-HR040 05SS
M-HR040 02T
M-HR040 02SS
3. Name and address of manufacturer: *Akrapovic d.d.,*
Malo Hudo 8a,
1295 Ivančna Gorica,
Slovenija.
4. If applicable, name and address of manufacturer's
authorised representative: *N/A*

Component type-approval number: e24*97/24*2009/108/9/III*0237*00

Number of extension: N/A

5. Make(s) and type(s) and any variant(s) or version(s) of the vehicle(s) for which the exhaust system is designed:

*See technical report
13-00126-CM-GBM-00 and
manufacturer's information
document for details.*

6. Date system submitted for testing:

04.09.2013

7. Component type-approval is granted/~~refused~~:

Granted.

8. Place:

Dublin.

9. Date:

19th November, 2013.

10. Signature:



Index to the Information Package

Date of issue:	<i>19th November, 2013.</i>
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>
1. Additional conditions, and advisory notes on legal alternatives.	
2. Test report(s)	
- numbers(s):	<i>13-00126-CM-GBM-00</i>
- date of issue:	<i>24.10.2013</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>M-HR040</i>
- date of issue:	<i>24.10.2013</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>26 pages</i>

Type-approval number:

*e24*97/24*2009/108/9/III*0237*00*

Appendix: Additional conditions, and advisory notes on legal alternatives

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.

**National Standards Authority of Ireland,
Ballymun Road,
Glasnevin,
Dublin 9
Ireland**

We, Akrapovič, d.d., Malo Hudo 8A, 1295 Ivančna Gorica, Slovenia hereby ask NSAI to grant approval against **97/24 EC Cap. 9 Att. III ;2B** for the following product:

Type: **M-HR040**

Version: **M-HR040 05T (titanium / titanium / carbon)**
M-HR040 05SS (titanium / SS / carbon)
M-HR040 02T (SS / titanium / carbon)
M-HR040 02SS (SS / SS / carbon)

Manufacturer: **Akrapovič, d.d.**
Malo Hudo 8a
1295 Ivančna Gorica
Slovenia

We declare that we have not applied to any other Approval Authority in the EU Member States for this approval.

We have requested **TÜV Automotive GmbH, TÜV SÜD Group** to carry out all testing required by the directive and/or regulation that the approval is sought against and to present the entire documentation for the approval.

Yours sincerely,


 Akrapovič, d.d.
Malo Hudo 8a, 1295 Ivančna Gorica,
Slovenija
Uros Rosa, Managing Director

Date: 05.09.2013

Techn.Bericht Nr. / *Techn. Report No.:* 13-00126-CM-GBM
Hersteller / *Manufacturer:* Akrapovic, Malo Hudo 8a, 1295 Ivancna Gorica
Slovenija
Typ / *Type:* M-HR040

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**PRÜFBERICHT
TEST REPORT
Nr. / No. 13-00126-CM-GBM**

e24*97/24*2009/108/9/III*0237*00

über die Prüfung einer Nicht-Originalauspuffanlage oder
von Einzelteilen hiervon als Technische Einheit für Krafträder gemäß

der Richtlinie des Rates der Europäischen Gemeinschaften zur Angleichung der
Rechtsvorschriften der Mitgliedstaaten über den zulässigen Geräuschpegel, Abgasverhalten
und Auspuffanlagen von zwei- oder dreirädrigen Kraftfahrzeugen/

*about a test of a non-original exhaust system or a component
as a separate technical unit for motorcycles according to the directive of the Council of the
European Community for adaptation to the laws of the Member States relating to the
permissible sound level, pollution and exhaust systems for two or three-wheel motor vehicles*

Nr. 97/24/EG in der Fassung 2009/108/EG
nach Kapitel 9, Anhang III

*No. 97/24/EC including the amendment 2009/108/EG
Concerning chapter 9, annex III*

0. Allgemeine Angaben / General information

- 0.1. Fabrikmarke / *Make:* Akrapovic Exhaust System Technology
- 0.2. Typ / *Type:* M-HR040

0.2.1. Ausführungen / *Variants*

Ausführungen / <i>Variants</i>	Material / <i>Material</i>		
	Rohre / <i>Tubes</i>	Außenmantel / <i>Sleeve</i>	Endkappe / <i>End cap</i>
M-HR040 05T	Titan / <i>Titanium</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR040 05SS	Titan / <i>Titanium</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>
M-HR040 02T	VA / <i>Stainless steel</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR040 02SS	VA / <i>Stainless steel</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>

Die Ausführungen unterscheiden sich in der Verwendung verschiedener Werkstoffe. Der konstruktive Aufbau ist gleich. Das akustische Verhalten ist gleichwertig. /
The variants vary because different materials are used. The basic construction remains the same. The acoustic behaviour is similar.

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- 0.3. Name und Anschrift des Herstellers /
Name and address of manufacturer: Akrapovic d.d.
Malo Hudo 8a
1295 Ivancna Gorica
Slovenija
- 0.4. Name und Anschrift des Beauftragten /
Name and address of authorized agent: entfällt / *n.a.*
- 0.5. Nr. des Beschreibungsbogens /
No. of information document: M-HR040
Ausgabedatum / *Date:* 24.10.2013
- 1.0. Klasse der Fahrzeuge, für die die
Anlage bestimmt ist / *Class of the
vehicles the unit is used for:* L3e
- 1.1. Beschreibung der Fahrzeuge, für
die die Einrichtung bestimmt ist /
*Description of the vehicles
the unit is used for:* siehe Anlage 2 / *notice enclosure 2*
- 2. Angaben zum Prüfobjekt / *Composition of the separate technical unit***
- 2.1. Art der Technischen Einheit:
Kind of technical unit: siehe Beschreibungsbogen /
see Information Document
- 2.2. Ort der Kennzeichnung/
Place of marking: Lasergravur auf Endkappe / Typschild aufgenietet
Engraved by laser / plate fixed with rivets
- 2.3. Zusammenbau Anlage bei der Prüfung/
assembly of the exhaust system for testing
(Teile lfd. Nr. lt. Anl. 1 /
no. of parts, enclosure 1): siehe 3.4 / *notice 3.4*
- 2.4. Lage und Richtung der Auspuffmündung:
Position and direction of the tail pipe: am Fahrzeugende rechts nach hinten
at the right side of the vehicle
- 2.5. Prüfmuster eingegangen am:
Test samples submitted for testing at: 04.09.2013

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3. Prüfprotokoll / Test report

Versuchsreihe A / *Tests series A*

3.1. Fahrzeug lfd. Nr. 1) / *Vehicle no. 1)*

3.1.1. Typ / *Type:* KTM Superduke
3.1.1.1 Handelsbezeichnung / *Model:* KTM 1290 Superduke R
3.1.2. Hersteller / *Manufacturer:* KTM Sportmotorcycle AG
3.1.3. Genehmigungs-Nr. / *Homologation no.:* e1*2002/24*0620*
3.1.3.1 Nachtrag bzw. Erweiterung / *Extension:* 00
3.1.4. Fahrzeugidentifizierungsnummer /
Vehicle identification no.: VBKVS9402EM991148
3.1.5. Baujahr / *Year of manufacture:* 2013
3.1.6. km-Stand / *Kilometers:* 380
3.1.7. Zul. Gesamtgewicht / *total weight:* 406 kg

3.2. Antriebsmaschine / *Engine*

3.2.1. Hersteller / *Manufacturer:* see 3.1.2. / *notice 3.1.2*
3.2.2. Typ / *Type:* 613
3.2.3. Hubraum / *Engine capacity:* 1301 cm³
3.2.4. Höchstleistung /
Rated maximum engine power: 127 kW bei / *at* 8865 min⁻¹

3.3. Kraftübertragung / *Transmission*

3.3.1. Art der Kraftübertragung /
Kind of transmission: Kette / *Chain*
3.3.4. Getriebe / *Gearbox:* 6 Gang / *6 Speed*
3.3.5. Übersetzungsverhältnisse /
Transmission ratios:
primär / *primary* / sekundär / *secondary* 1,900 / 2,235
Höchstgeschwindigkeit / *Top speed:* 290 km/h
Reifen / *Tires:*
vorne / *front* 120/70 ZR17 M/C (58W)
hinten / *rear* 190/55 ZR17 M/C (75W)

3.4. Zusammenbau der Auspuffanlage / *Assembly of the exhaust system*

(Teile lfd. Nr. lt. Anl. 1 /
no. of parts, enclosure 1): 1)2)

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3.5. Messung der Geräuschwerte / *Acoustic measurements*

3.5.1. Hersteller des Messgerätes /
Manufacturer of the sound level meter: Brüel & Kjaer

3.5.2. Typ des Messgerätes /
Type of the sound level meter: 2236

3.5.3. Fahrgeräusch, Standgeräusch /
Drive by noise, stationary noise:

nach der Richtlinie des Rates der EG Nr. 97/24/EWG in der Fassung 2009/108/EG
nach Kapitel 9 III. /
*according to the Council Directive No. 97/24/EC with the amendment 2009/108/EC
chapter 9 III.*

3.5.4. Beladungszustand bei der Fahrgeräuschmessung /
Load condition during drive by test: Leergewicht zuzüglich 80kg Fahrer /
Unloaded weight plus 80kg driver

3.5.5. Abweichung bei Kalibrierung /
Deviation at calibration: < 0.2 dB(A)

3.6. Messung der Leistung / *Power measurement*

3.6.1. Messung der Leistungskurve mit Nicht-Originalauspuffanlage /
Testing of max. power with non-original exhaust system:

Die gemessene Nennleistung und die zugehörige Drehzahl liegen im Toleranzbereich
von 5% im Vergleich zu den mit der Originalauspuffanlage gemessenen Werten.
(siehe Anlage) /

*The tested max. power and the engine speed are in the 5% tolerance in comparison
with the original exhaust system. (see enclosure)*

3.6.2. Messung der Höchstgeschwindigkeit mit Nicht-Originalauspuffanlage/
Testing of top speed with non-original exhaust system:

Entfällt, da Fahrzeugklasse: Kraftrad L3e
Not applicable, because vehicle class: Motorcycle L3e

3.7. Konditionierung der Auspuffschalldämpferanlage / *Conditioning*

durch Druckschwingungen / *by pulsation*

3.8. Messung der Schadstoffemissionen / *Pollution Test*

Auf eine Messung des Abgasverhaltens konnte verzichtet werden, da der original Katalysator unverändert im Abgassystem verbleibt. Eine Verschlechterung des Abgasverhaltens ist nicht zu erwarten.

The Pollution test was not necessary because the original catalytic converter remains without any changes in the exhaust system. A degradation of catalyst efficiency is not expected.

3.9. Ergebnisse / *Test results*

Die Ergebnisse der Prüfungen hinsichtlich / *The results of*

- 3.9.1. Geräusche / *Noise testing*
- 3.9.2. Leistung / *Power measurement*
- 3.9.3. Höchstgeschwindigkeit / *Top speed*
- 3.9.4. Abgasverhalten / *Pollution test*

sind der als Anlage beigefügten Tabellen zu entnehmen /
are attached in the enclosure.

Aufgrund der durchgeführten Messungen mit Original- und Nicht-Original-Auspuffanlage kann der Punkt 3.5.2 und 3.5.3 der RREG 97/24/EG Kapitel 9/III als erfüllt betrachtet werden. /

The results of the tests with the original and not original exhaust systems show that point 3.5.2 and 3.5.3 of Directive 97/24/EC chapter 9 are fulfilled.

- 3.9.5. Die beschriebene Nicht-Originalauspuffanlage / Technische Einheit darf an den in der Anlage 2 aufgeführten Kraftfahrzeugen unter den dort genannten Bedingungen verwendet werden. /

The described non-original exhaust system / technical unit is suitable for an application at the vehicles listed in enclosure 2.

- 3.9.6. Die allgemeinen Spezifikationen gemäß Abschnitt 3.5.1. der RREG 97/24/EG Kapitel 9 wurden überprüft und werden durch die Nicht-Originalauspuffanlage / Technische Einheit erfüllt. /

The general specifications concerning point 3.5.1 of Directive 97/24/EC chapter 9 were checked and fulfilled.

Techn.Bericht Nr. / *Techn. Report No.:* 13-00126-CM-GBM
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4. Anlagen / *Enclosures*

Anlage 1, Teile der Nicht-Originalauspuffanlage
Enclosure 1, Composition of the non original exhaust system
Anlage 2, Verwendungsbereich
Enclosure 2, Field of application
Anlage 3, Ergebnis der Prüfungen
Enclosure 3, Test results
Anlage, Leistungskurve
Enclosure, Performance diagram
Beschreibungsbogen / *Information Document*

5. Schlussbescheinigung / *Summary*

Der o.a. Beschreibungsbogen und der darin beschriebene Typ entspricht der genannten Prüfgrundlage 97/24/EC in der Fassung 2009/108/EG Kapitel 9, Anhang III.

Gegen die Erteilung einer EG-Typgenehmigung bestehen keine technischen Bedenken.

Das Prüflaboratorium ist für das o.g. Prüfverfahren akkreditiert von der Anerkennungsstelle des Kraftfahrt-Bundesamtes, Bundesrepublik Deutschland, unter der KBA-Akkreditierungs-Nummer: KBA-01-02.

The named information document and the described type correspond to the Directive 97/24/EC including the amendment 2009/108/EG chapter 9, annex III.

There are no technical objections against granting an EC Type-approval.

The technical service is accredited for the named testing procedure by the Kraftfahrt-Bundesamt, Federal Republic of Germany, by the KBA-Accreditation-certification-number: KBA-01-02.

München, 24.10.2013
Prüfingenieur / *The Expert*



Dipl.-Ing. (FH) Max Höhler
Prüflabor DIN EN ISO/IEC 17025

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ANLAGE 1
ENCLOSURE 1

zum Prüfbericht Nr. / to test report no.
Typ / Type:
Hersteller / Manufacturer:

13-00126-CM-GBM
M-HR040
Akrapovic, Malo Hudo 8a
1295 Ivančna Gorica, Slovenija

Teile der Auspuffanlage + Originalteile/
Composition of the exhaust system + original parts

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Lfd. Nr. / No.	Einzelteile, Abmessungen in mm / <i>Components parts, dimensions in mm</i>	Abmessungen des Teiles in mm bzw. Originalteil / Ersatzteil / <i>Dimensions of the part in mm or original part / replacement part</i>	Teilenummer bzw. Genehmigungsnummer / <i>Part no. or homologation no.</i>
1)	Krümmerröhre, Vorschalldämpfer mit Katalysator / <i>header pipe, presilencer with catalytic converter</i>	Originalteile / <i>original parts</i>	-
2)	Schalldämpfer / <i>silencer</i> (Austrittsrohr / <i>outlet pipe</i> Ø 45)	hexagonal / <i>hexagonal</i> 110 x 140 Länge ohne Endkappen / <i>length without end caps</i> 300	M-HR040

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ANLAGE 2
ENCLOSURE 2

zum Prüfbericht Nr. / to test report no.
Typ / Type:
Hersteller / Manufacturer:

13-00126-CM-GBM
M-HR040
Akrapovic, Malo Hudo 8a
1295 Ivančna Gorica, Slovenija

Verwendungsbereich (Fahrzeugdaten) / Field of application

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Lfd. Nr. Fahrzeug	Hersteller /	Fabrikmarke /	Handelsbezeichnung /	Fahrzeugtyp (ab Genehmigungsnummer) /	Motortyp /	Art des Motors/	Hubraum in cm ³ /	Nennleistung in kW/min ⁻¹ /	Sonstige bestimmende Merkmale /	Anordnung entspr. Anlage 1 lfd. Nr. /
No. of vehicle	Manufacturer	Trade mark	Commercial description	Vehicle type (starting with no. of homologation)	Engine type	Stroke	Engine capacity in cm ³	Rated maximum engine power in kW/min ⁻¹	Additional remarks	Composition as shown in enclosure no. 1
1)	KTM	KTM	1290	KTM	613	4-Takt /	1301	127/8865	mit Kat.*) / with cat.	1)2)
2)	Sportmotorcycle AG		Superduke R	Superduke (e1*0620*)		4-stroke		74/6250		

*) Die serienmäßigen Katalysatoren bleiben unverändert im Abgassystem. Eine Verschlechterung des Abgasverhaltens ist nicht zu erwarten. /
The original catalytic converter remains in the exhaust system. A degradation of catalyst efficiency is not expected.

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ANLAGE 3
ENCLOSURE 3

zum Prüfbericht Nr. / *to test report no.*
Typ / *Type:*
Hersteller / *Manufacturer:*

13-00126-CM-GBM
M-HR040
Akrapovic, Malo Hudo 8a
1295 Ivančna Gorica, Slovenija

Ergebnis der Prüfungen / *Test results*

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Lfd.Nr.	Leistung Serie kW/min ⁻¹	Leistung Austausch kW/min ⁻¹	Vmax Serie km/h	Vmax Aus- tausch km/h	Fahrgeräusche in dB(A) / <i>Sound levels driving vehicle in dB(A)</i>					Standgeräusche in dB(A) / <i>Sound levels stationary vehicle in dB(A)</i>			
					gemes- sen in Gang	Grenz- wert **)	Serie gemes- sen	Austausch gemessen	bei km/h	lt. Fzg. BE	Serie gemes- sen /	Austausch gemessen	bei min ⁻¹
<i>No. of vehicle</i>	<i>Engine power original kW/min⁻¹</i>	<i>Engine power non original kW/min⁻¹</i>	<i>Vmax original km/h</i>	<i>Vmax non original km /h</i>	<i>measured in gear ratio</i>	<i>Limit Value **)</i>	<i>Original mea- sured</i>	<i>Non original measured</i>	<i>at km/h</i>	<i>Vehicle type hom.</i>	<i>Original mea- sured</i>	<i>Non original measured</i>	<i>at min⁻¹</i>
1) A*	127/8865	127/8865	-	-	2+3	80	79	79	50	97	94	94	4433

*) Versuchsreihe / *test series*

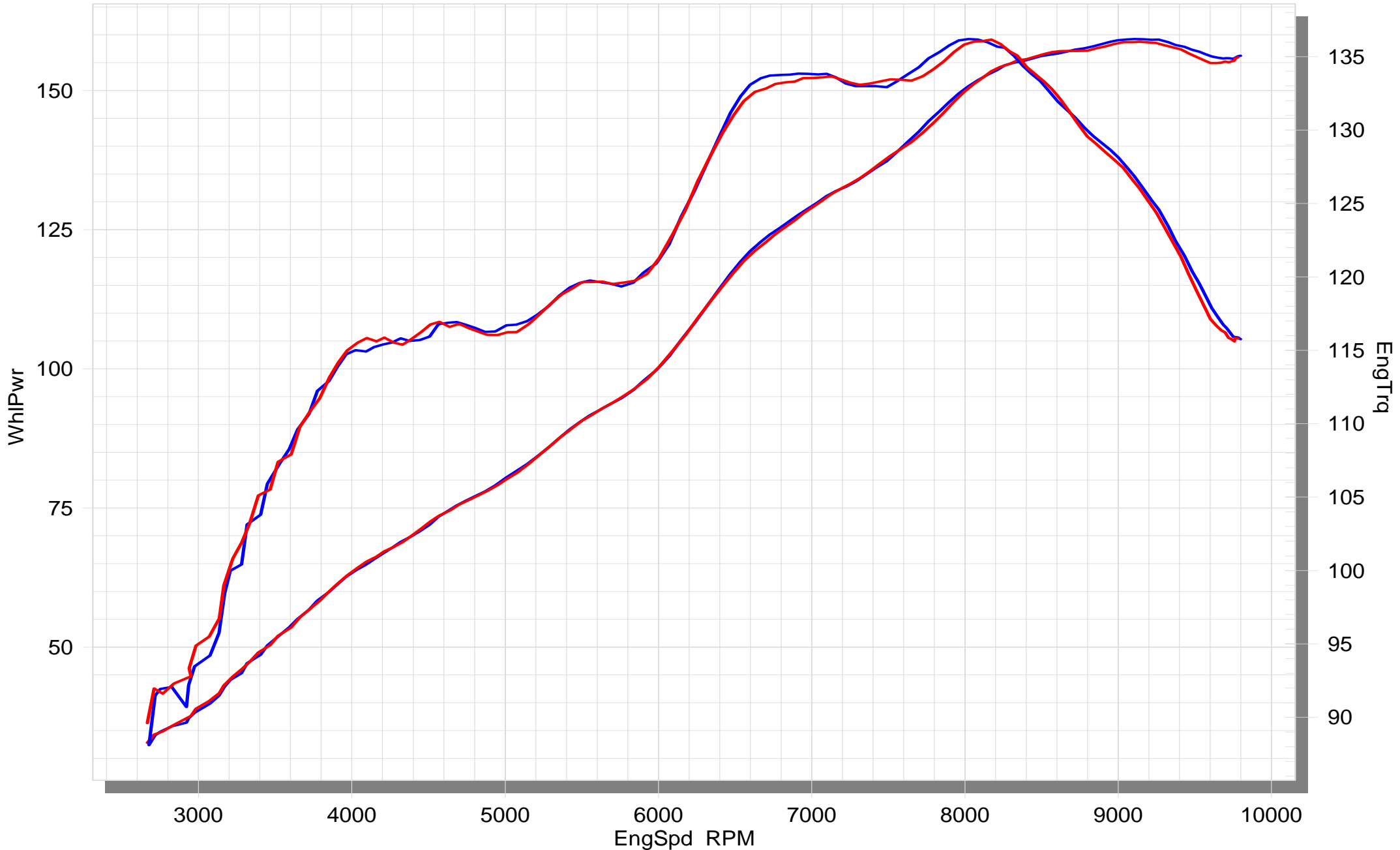
**) Grenzwert der Richtlinienfassung, die bei Erteilung der Fahrzeuggenehmigung Gültigkeit hatte /
Limit value of directive which was valid by vehicle type homologation

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KTM SUPERDUKE 1290

STOCK EXHAUST

AKRAPOVIC SLIP ON EXHAUST



1. Fabrikmarke (Firmenname des Herstellers) /
Make (trade name of manufacturer): AKRAPOVIC Exhaust System Technology

2. Typ und allgemeine Handelsbezeichnung (en) /
Type and general commercial description: **M-HR040**

3. Name und Anschrift des Herstellers /
AKRAPOVIC d.d.
Malo Hudo 8a,
1295 Ivančna Gorica
Slovenija

4. Name und Anschrift des Beauftragten /
Name and address of deputy: entfällt / *not applicable*

5. Liste der Teile / *Parts list:* s. Anlage 1 des Technischen Berichts/
notice enclosure 1 of the test report

6. Fabrikmarke(n) und Kraftradtyp(en) des Verwendungsbereichs /
Make and motorcycle type of the field of application: s. Anlage 2 des Technischen Berichts/
notice enclosure 2 of the test report

7. Einschränkungen und Vorschriften für den Einbau /
Restriction and instructions for installing: s. Montageanleitung und Verwendungsbereich /
notice assembly manual and field of application

Weitere Angaben nach Richtlinie 97 / 24 / EG, Kap. 9, Anh. III, Anl. 2 sind dem Prüfprotokoll des Technischen Berichts bzw. den Anlagen zu entnehmen. /
All technical details according to directive 97 / 24 / EG, chapter 9, annex III, enclosure 2 are mentioned in the test report or shown in the attachments.

Anlage / *enclosure*:

Anlage <i>Enclosure</i>	Zeichnung Nr. <i>Drawing no.</i>	Datum <i>Date</i>	Seiten <i>Pages</i>
Zeichnung Schalldämpfer <i>Drawing silencer</i>	M-HR04005T	12.09.2013	1
Zeichnung Dämpfereinsatz / <i>Drawing noise reduction insert:</i>	V-TUV141	14.10.2013	1
Stückliste <i>Part list</i>	KTM 1290 Superduke R	-	1
Zusammenstellungszeichnung <i>Assembly drawing</i>	KTM 1290 Superduke R	-	2
Montageanleitung <i>Installation instruction</i>	KTM 1290 Superduke R	-	8


Mało Hudo 8a, 1295 Ivančna Gorica,
Slovenija



Rosa Uroš, Managing Director

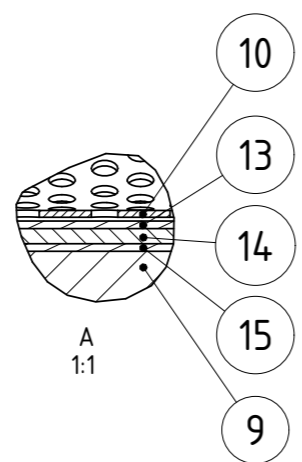
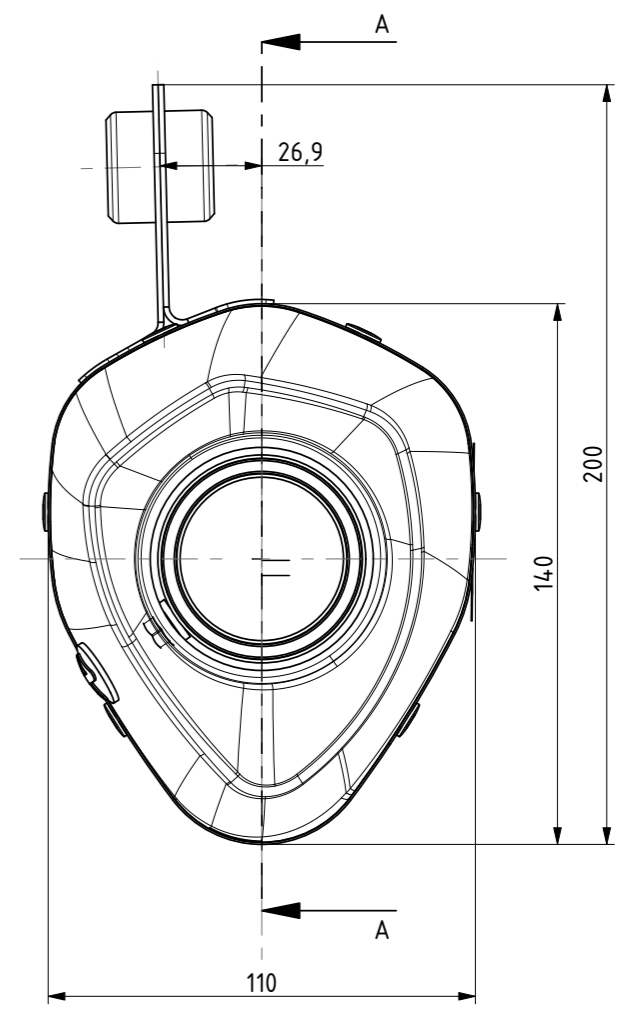
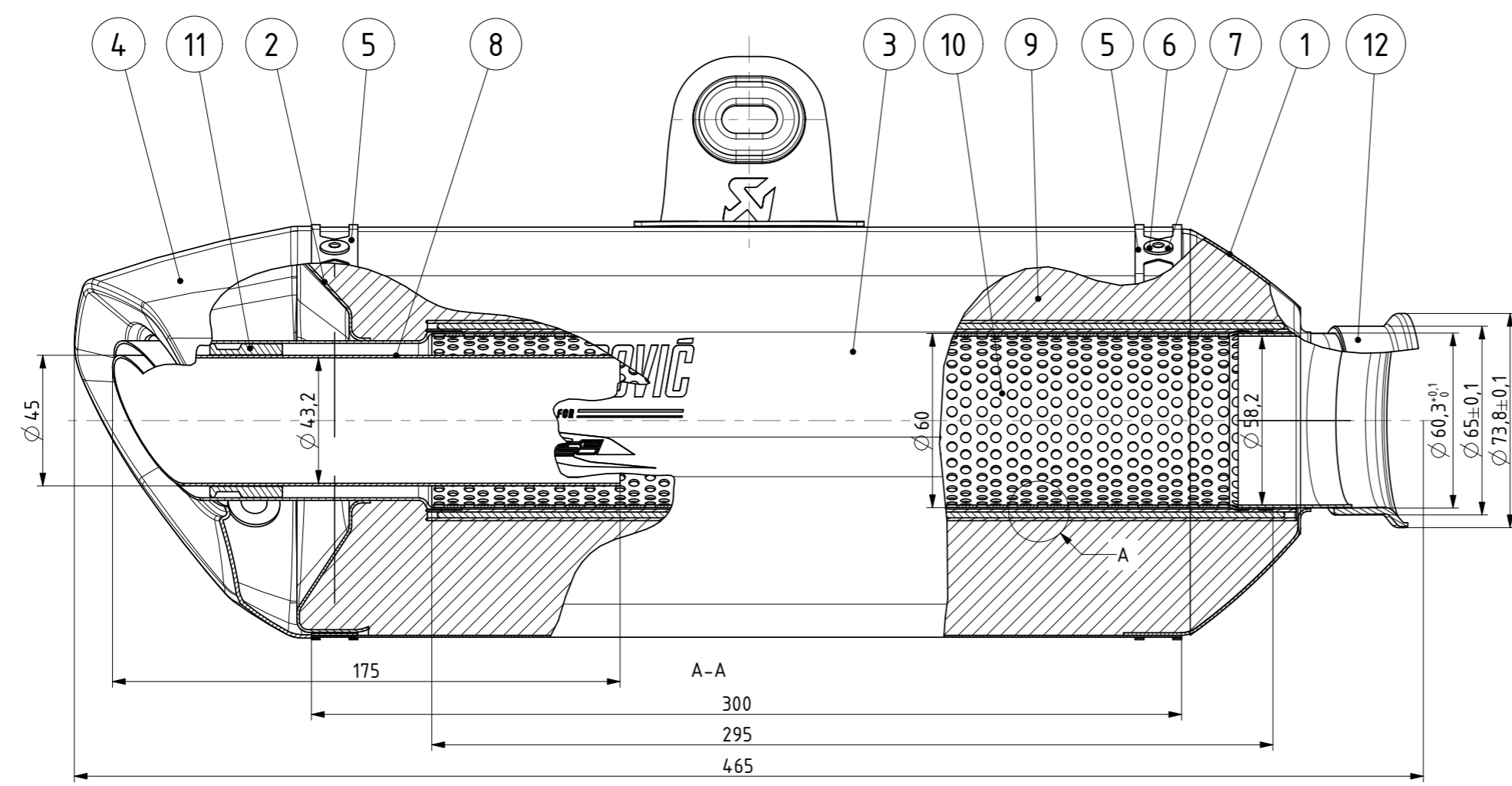
24.10.2013

Datum, Unterschrift /
date, signature

Revizija risbe/ Drawing revision	Polje/ Area	Opis spremembe/ Description of modification	Datum/ Date	Spremenil/ Modified by



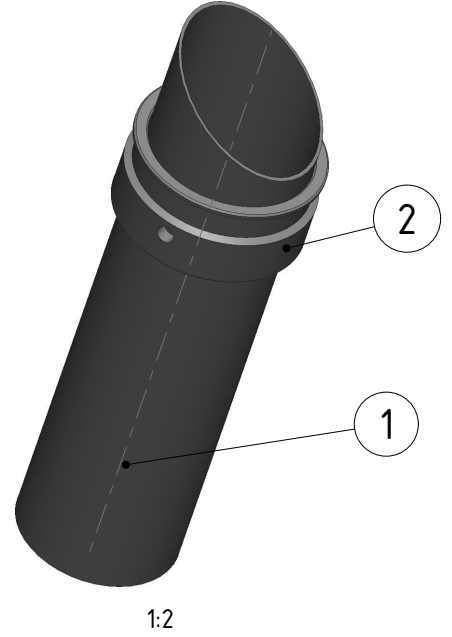
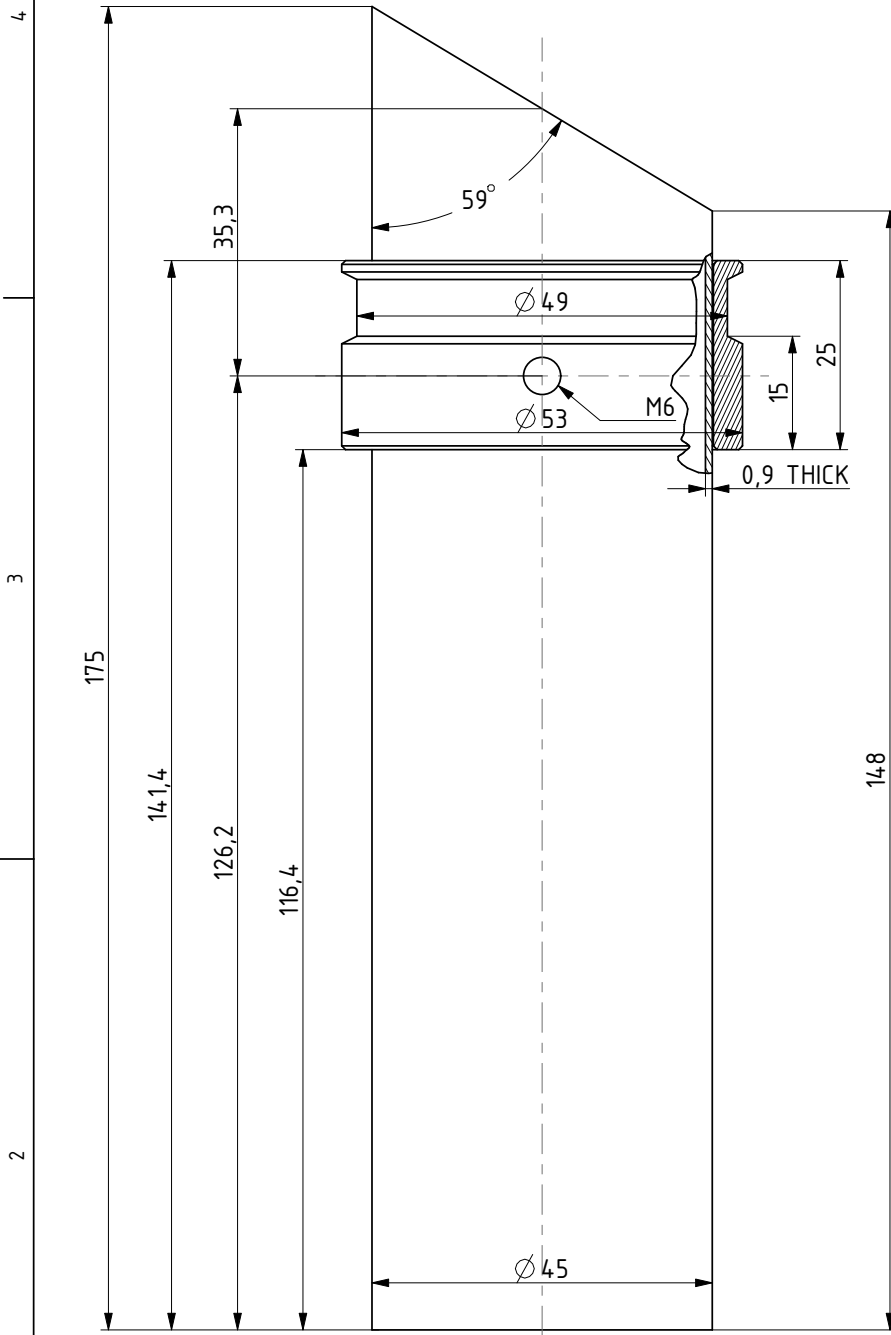
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Material:	Ti	Datum/ Date:	12.09.13	Ime/ Name:	Zadnik Žiga	CAD okolje/ CAD system:	Creo Parametric 2.0										
Masa/ Mass:	1,7 [kg]	Konstruiral/ Made by:		Preveril/ Checked by:		ISO 128											
Tolerance prostih mer/ General tolerances	<table border="1"> <thead> <tr> <th>Tolerančni razred</th> <th>Nominalne mere po ISO 2768-1</th> </tr> </thead> <tbody> <tr> <td>do 6</td> <td>od 6 do 30</td> </tr> <tr> <td>f</td> <td>od 30 do 120</td> </tr> <tr> <td>m</td> <td>od 120 do 400</td> </tr> <tr> <td>c</td> <td>od 400 do 1000</td> </tr> </tbody> </table>	Tolerančni razred	Nominalne mere po ISO 2768-1	do 6	od 6 do 30	f	od 30 do 120	m	od 120 do 400	c	od 400 do 1000	Potrdil/ Approved by:		Status risbe/ Drawing status:	V RAZVOJU	Merilo/ Scale:	1:2
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do 6	od 6 do 30																
f	od 30 do 120																
m	od 120 do 400																
c	od 400 do 1000																
ISO 2768-1(mK)		Opis/ Description:	KTM 1290 Superduke R - SlipON		Format risbe/ Drawing format:	A3											
Toplotna obdelava/ Heat treatment		Površinska obdelava/ Surface treatment	3,2	ISO 1302	Pomembnost karakteristike/ Importance of dimension:	NA RAZ 063	Informativna dimenzija/ Optional dimension:	()									
Posnetje neoznacjenih robov/ Edges of undefined shape:	ISO 13715			AKRAPOVIČ	Št. lista/ Sheet no:	1	Št. listov/no. of sheets:	1									
				SAP:	M-HR04005T	Revizija risbe/ Drawing revision:	0										
					e24*9724*2009/108/911/023700												

Revizija risbe/ Drawing revision	Polje/ Area	Opis spremembe/ Description of modification	Datum/ Date	Spremenil/ Modified by

Oznaka po TUV specifikaciji:	
Model:	Opis:
V-TUV141	D53/45x175



V-TUV141

2	puša zun. SS D53/49/45x25	237431	1	SS	0,094
1	cev SS D45/59°175/148 žag=31° V-TUV141	237430	1	SS	0,129
Poz	Opis/ Description	SAP	Količina/ Quantity	Material	Masa/ Mass

Material:	AISIS304	Datum/ Date:	14.10.13	Ime/ Name:	ZADNIK Ž.	CAD okolje/ CAD system:	Creo Parametric 2,0																																			
Masa/ Mass:	0,223 [kg]	Konstruiral/ Made by:		Preveril/ Checked by:		ISO 128																																				
Tolerance prostih mer/ General tolerances	<table border="1"> <tr> <th rowspan="2">Tolerančni razred</th> <th colspan="5">Nominalne mere po ISO 2768-1</th> </tr> <tr> <th>do 6</th> <th>od 6 do 30</th> <th>od 30 do 120</th> <th>od 120 do 400</th> <th>od 400 do 1000</th> </tr> <tr> <td>f</td> <td>±0.05</td> <td>±0.1</td> <td>±0.15</td> <td>±0.2</td> <td>±0.3</td> </tr> <tr> <td>M</td> <td>±0.1</td> <td>±0.2</td> <td>±0.3</td> <td>±0.5</td> <td>±0.8</td> </tr> <tr> <td>C</td> <td>±0.2</td> <td>±0.5</td> <td>±0.8</td> <td>±1.2</td> <td>±2.0</td> </tr> <tr> <td>V</td> <td>±0.5</td> <td>±1.0</td> <td>±1.5</td> <td>±2.5</td> <td>±4.0</td> </tr> </table>	Tolerančni razred	Nominalne mere po ISO 2768-1					do 6	od 6 do 30	od 30 do 120	od 120 do 400	od 400 do 1000	f	±0.05	±0.1	±0.15	±0.2	±0.3	M	±0.1	±0.2	±0.3	±0.5	±0.8	C	±0.2	±0.5	±0.8	±1.2	±2.0	V	±0.5	±1.0	±1.5	±2.5	±4.0	Potrdil/ Approved by:		Status risbe/ Drawing status:	V RAZVOJU	Merilo/ Scale:	1:1
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V	±0.5	±1.0	±1.5	±2.5	±4.0																																					
Toplotna obdelava/ Heat treatment		Opis/ Description:	vložek ses. HOM SS D53/45x175 V-TUV141			Format risbe/ Drawing format:	A4																																			
Povrsinska obdelava/ Surface treatment	ISO 1302				Pomembnost karakteristike/ Importance of dimension:	NA RAZ 063	Informativna dimenzija/ Optional dimension:	()																																		
Posnetje neoznacjenih robov/ Edges of undefined shape:	ISO 13715				Št. lista/ Sheet no.:	1	Št. listov/no. of sheets:	1																																		
			SAP:	237429	Revizija risbe/ Drawing revision:	0																																				

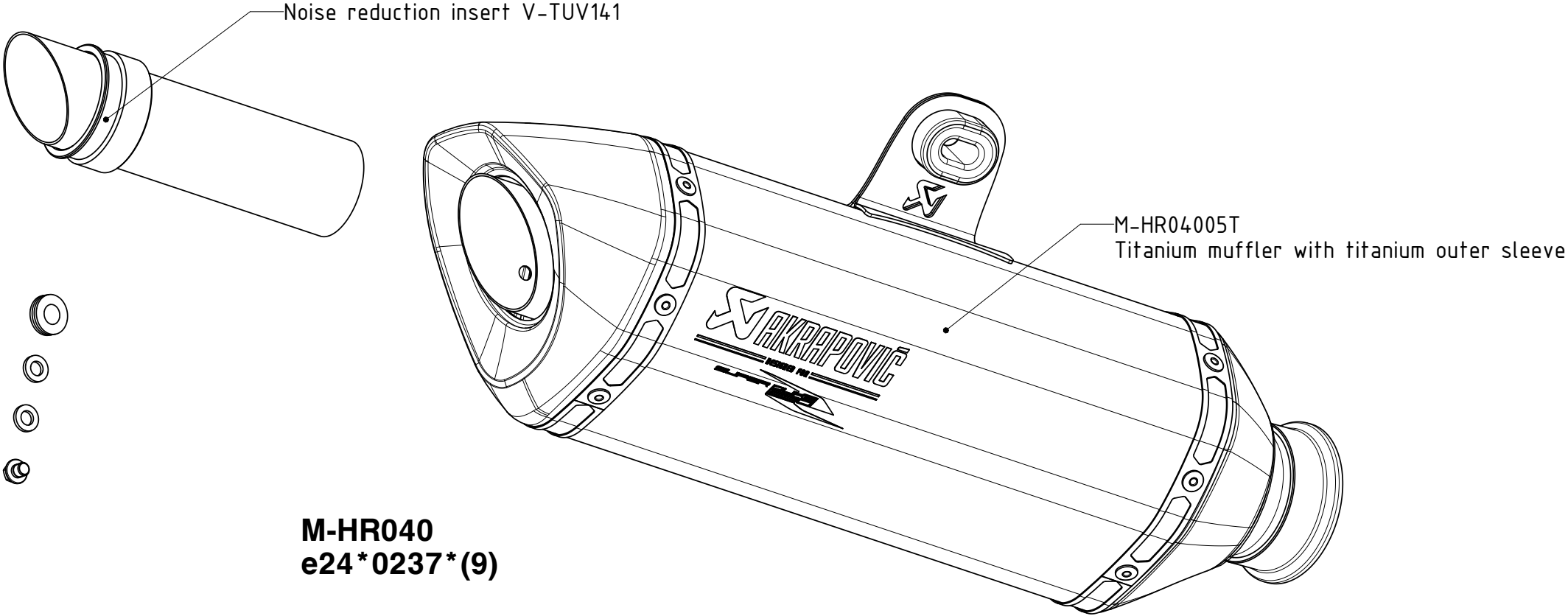
e24*97/24*2009/108/9/11/0237*00

KTM 1290 Superduke R muffler part list

Poz.	Component	Dim. / Weight	Pcs.	Material
1	Intake cap	140 x 110 x 20/61 - Ø60; 0,9	1	Ti XT
2	Reinforcement rozette	137,5 x 107,5 x 25 - Ø55; 0,9	1	Ti XT
3	Outer sleeve	300 x 393,5; 0,65	1	Ti XT
4	End cap	141,9 x 111,9 x 97,8	1	Carbon fiber
5	Belt	414,5 x 16	2	Ti 0,54x16 Extra roll
6	Rivet	Ø4,8x8	11	SS
7	Rivet	Ø4,8x12	1	SS
8	Noise reduction insert V-TUV141	D53/45x175	1	SS AISI 304
9	Damping material ROAD	L=1800mm; 0,4kg	1	E glass
10	Tube perforated (4xØ3/cm ²)	Ø60x295; 0,65	1	Ti XT
11	Buffle bush	Ø53/45 x 25	1	SS 304L
12	Intake cast bush	Ø73,8/60 x 25	1	Ti
13	Fine mesh	0,5 x 0,2 x 210	1	SS AISI 304
14	Damping material SS 140	76,27 g	1	SS AISI 446
15	Fine mesh	0,5 x 0,2 x 250	1	SS AISI 304

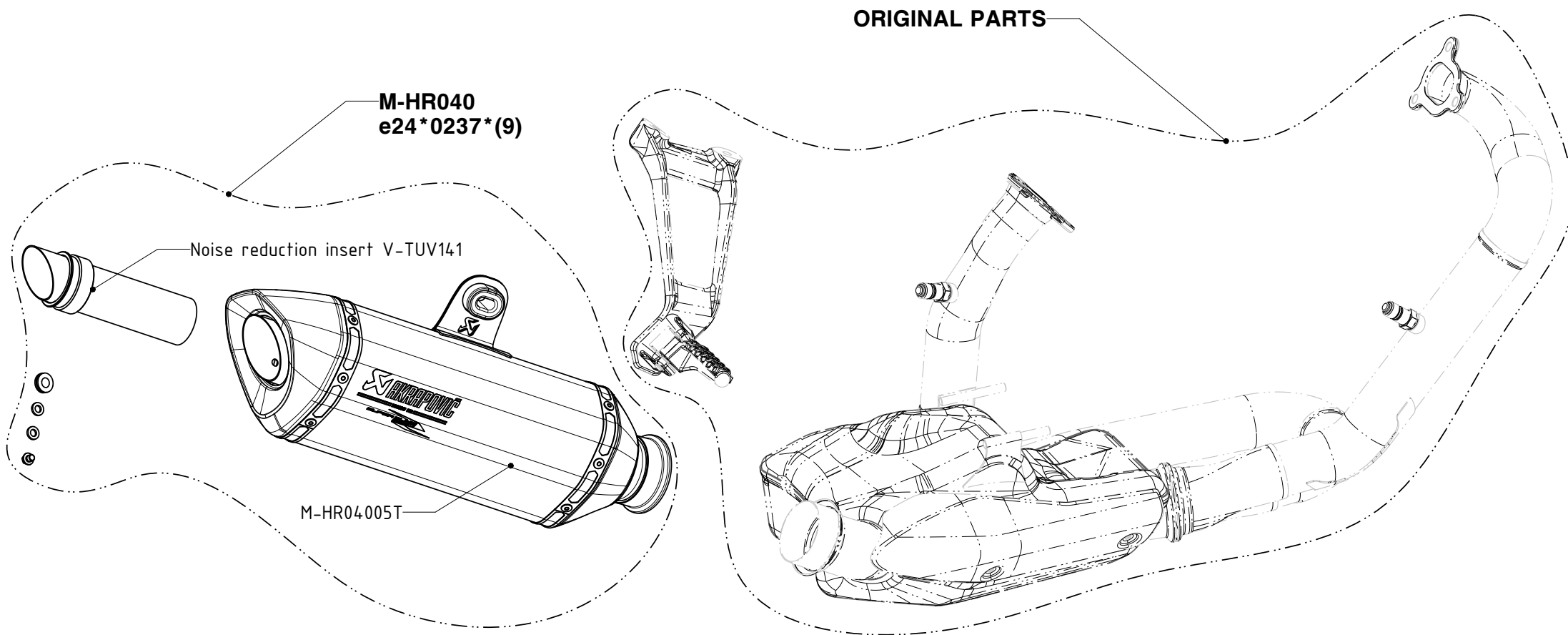
KTM 1290 Superduke R / Slip-ON line / EC Type approval

Product code: S-K12SO2T-HRT



KTM 1290 Superduke R / Slip-ON line / EC Type approval

Product code: S-K12SO2T-HRT





Installation instructions

Akrapovič Exhaust System:
Slip-On
for the
KTM 1290 Super Duke R

www.akrapovic.com

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.
5. 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.
6. Technical specifications of Akrapovič exhaust systems and related products are subject to change without notice.
7. 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.
8. 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.
9. 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

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Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



TIGHTENING TORQUE



INSTALLATION TIP



CAUTION OR WARNING



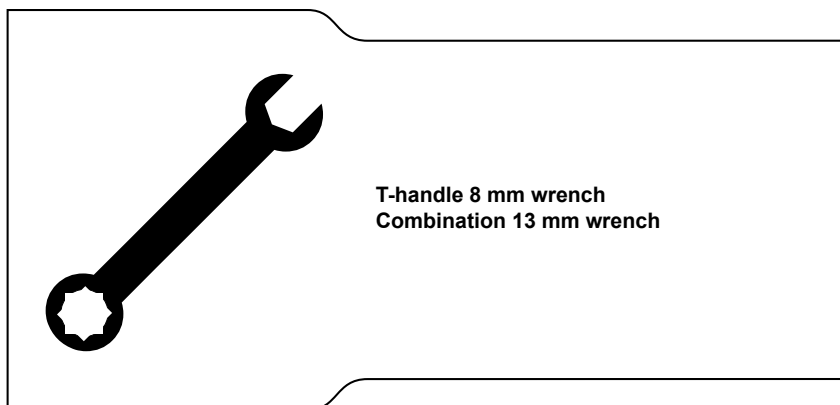
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of reach of children.**



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.**



BEFORE INSTALLING, CHECK THE PARTS LIST AND SCHEMATIC DRAWING OF THE EXHAUST SYSTEM! THE LATEST VERSION OF THE PARTS LIST AND SCHEMATIC DRAWINGS OF THE PRODUCTS ARE AVAILABLE ON OUR WEB PAGE.



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 STOCK EXHAUST SYSTEM:

Unscrew the marked clamp at link-pipe - muffler joint and muffler's bracket bolt. Remove the muffler off the motorcycle (Figure 1, 2, 3).

! **CAUTION:** make sure not to damage any part of the motorcycle during this process!



Figure 1



Figure 2



Figure 3

INSTALLATION OF THE AKRAPOVIČ EXHAUST SYSTEM:

Attach and hand tighten the Akrapovič muffler onto the motorcycle, using stock bushes, bolt, washer and clamp. Align the muffler in respect to the motorcycle and tighten the bolt and clamp to the specified torque (Figure 4, 5, 6).

! **CAUTION:** be careful not to damage any part of the motorcycle during this process!



Figure 4

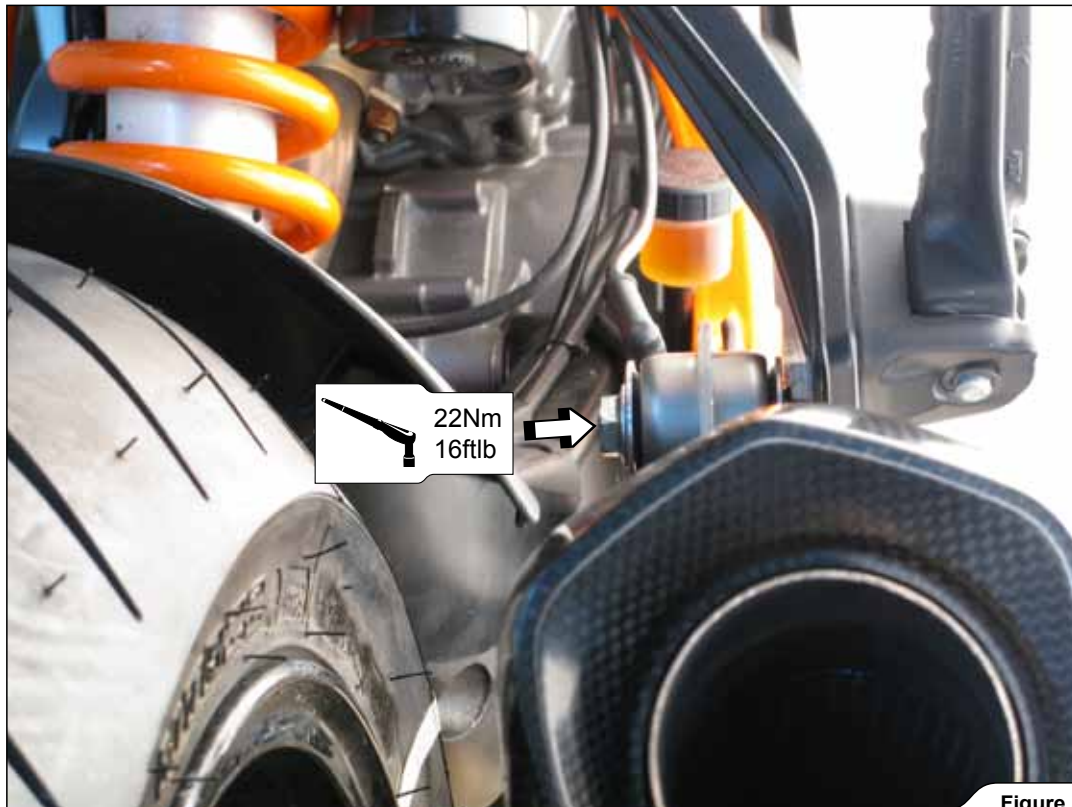


Figure 5

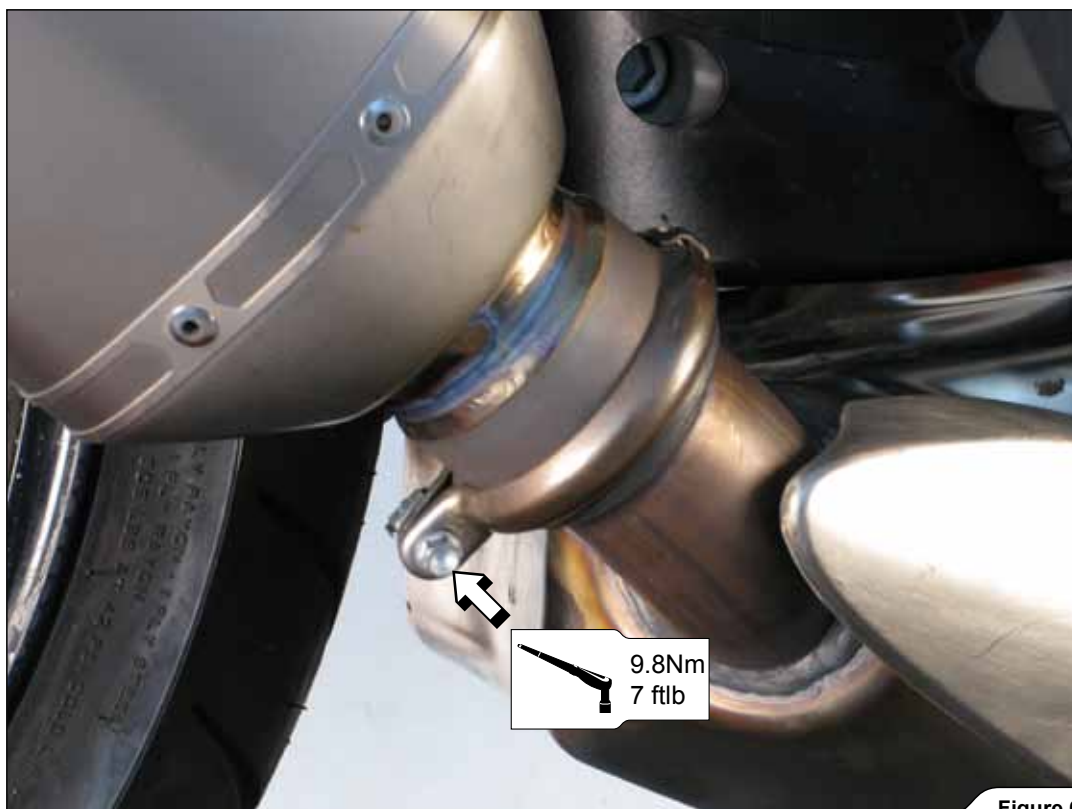


Figure 6

Final installation:

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. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
- d. Stainless steel pipes: use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth.
- e. Titanium pipes: 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.

! WARNING: 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.

! WARNING: after running engine for 30 minutes, retighten the bolts of the Akrapovic carbon-fiber heat shield!

! 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.

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 the high temperatures.
2. Periodically make sure all the bolts and springs are sufficiently tight.

WARNING:

Please note that certain aftermarket exhaust systems may not comply with applicable California laws and regulations, and may therefore be prohibited for use on California highways or roads, or on roads or vehicles otherwise subject to emissions control requirements.

Akrapovič exhaust systems for automobiles and motorcycles mounted downstream of the catalytic converter (also known as “cat-back systems”) are considered “replacement parts” in California by the California Air Resources Board (CARB), and do not require an exemption or executive order from CARB to be sold in California. However, California prohibits the use of any aftermarket exhaust system that modifies, removes or replaces original equipment catalysts, unless CARB has issued an Executive Order as to such part or system.

Further, Akrapovič parts or exhaust systems used or intended for use on “racing vehicles” (i.e. a competition vehicle used exclusively for competition on closed-course circuits) do not require an exemption or Executive Order from CARB to be sold in California. However, such parts are prohibited from use on California public highways or roads, even if occasionally used “off-road.”

