



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY  
EU TYPE-APPROVAL CERTIFICATE

Communication concerning:

EU type-approval

~~extension of EU type-approval~~

~~refusal of EU type-approval~~

~~withdrawal of EU type-approval~~

of a type of ~~component~~/separate technical unit: exhaust  
device (pollution-control device and noise-abatement  
device)

with regard to Annex(es) IX to (Commission Delegated) Regulation (EU) No 134/2014

EU type-approval No: e11\*134/2014\*134/2014G\*00501\*00

Reason(s) for extension: Not applicable

**SECTION I**

0.7. Make(s) (trade name(s) of manufacturer): TERMIGNONI

0.8. Type: H137

0.8.1 Commercial name(s) (if available): Not applicable

0.9. Company name and address of the manufacturer:

Termignoni S.p.A.  
via della Rampina, 1  
15077 Predosa (AL)  
Italy

0.9.1. Name(s) and address(es) of assembly plant(s):

Termignoni S.p.A.  
via della Rampina, 1  
15077 Predosa (AL)  
Italy

0.9.2. Name and address of manufacturer's authorised representative, if any: Not applicable

0.10. In the case of separate technical unit, vehicle(s) for which the system is intended for: See manufacturer's documentation

0.10.1. Type: See manufacturer's documentation

0.10.2. Variant(s): See manufacturer's documentation

0.10.3. Version(s): See manufacturer's documentation

0.10.4. Commercial name(s) (if available): See manufacturer's documentation

0.10.5. Category, subcategory and sub-subcategory of vehicle: See manufacturer's documentation



## SECTION II

1. Technical service responsible for carrying out the tests: TÜV SÜD Auto Service GmbH

2. Date of test report: 01 February 2016

3. Number of test report: 16-00001-CM-MIL-00

4. Remarks (see addendum): None

5. Restrictions of validity: Not applicable

6. Waivers applied: Not applicable

Place: BRISTOL

Signature:



D LAWLOR

Head of Technical Standards & Legislation

Date: 29 FEBRUARY 2016

Attachments:

Information package

Test results

## ADDENDUM

to the EU type-approval certificate with EU type-approval number

1. Restriction of use of the: Not applicable
2. Special conditions for the mounting of the: See attached list
3. Remarks: None





THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: e11\*134/2014\*134/2014G\*00501\*00

**INFORMATION PACKAGE CONTENTS**

**INDEX REVISION NUMBER: Not applicable**

Total number of sheets: 07 (Seven)


Reasons for Revision: Not applicable

Revision date  
&  
Office stamp

EAR348977

An executive agency of the Department for Transport  
April 2013 Revision 3



	<b>INFORMATION DOCUMENT</b> <b>N° H137/134/2014 rev. 00</b>	<b>Date: 01/02/2016</b> <b>Page 1/2</b>
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***Information Document relating to EU type approval as separate technical unit of exhaust systems for motorcycles (Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013)***

1. *Make (trade name of manufacturer):* Termignoni
2. *Type and general commercial description:* H137
3. *Name and address of manufacturer:* Termignoni S.p.A.  
via della Rampina, 1  
I-15077 Predosa (AL)
4. *Name and address of manufacturer's authorized representative:* Not applicable
5. *Parts list:* Notice enclosure 1 of the test report
6. *Make and motorcycle type of the field of application:* See list enclosed
7. *Restriction and instructions for installing:* Notice assembly manual and field of application

*Further details are mentioned in the motorcycle homologation (notice enclosure 2 of the test report).*





**INFORMATION DOCUMENT**  
**N H137/134/2014 rev. 00**

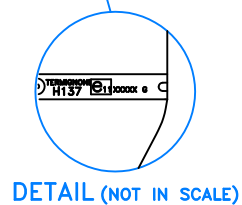
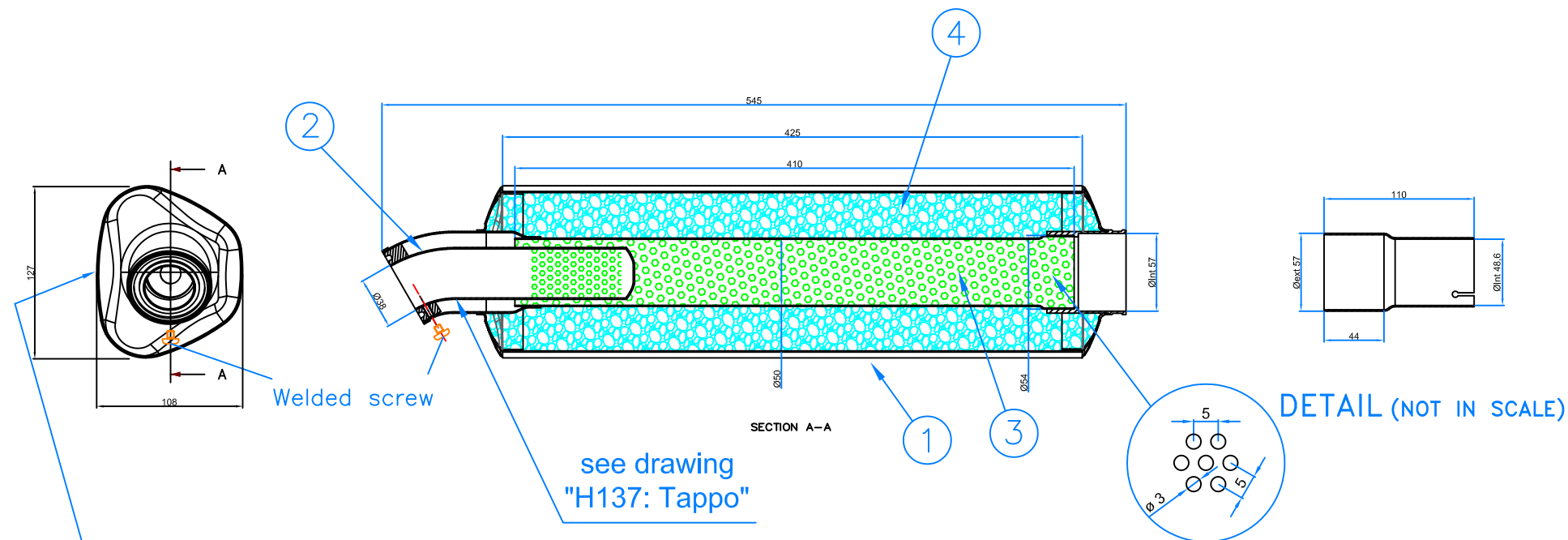
**Date: 01/02/2016**  
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***Information Document relating to EU type approval as separate technical unit of exhaust systems for motorcycles (Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013)***

<i>Enclosures</i>	<i>Drawing no.</i>	<i>Date</i>
<i>Drawing of silencer</i>	H137: Silencer	07/10/2015
<i>Drawing of reduction</i>	H137: Tappo	07/10/2015
<i>Drawing of composition</i>	H137: Assembly	07/10/2015
<i>List of vehicles</i>		
<i>Fitting instructions</i>		



General tolerance:  $\pm 1\text{mm}$



## PART LIST

Nr	Part name	Material	Dimensions	QT
1	Shell	Stainless Steel	See Drawing	1x
	or	Titanium	See Drawing	1x
	or	Carbon fiber	See Drawing	1x
	or	Aluminium	See Drawing	1x
2	Outlet Pipe	Stainless Steel	See Drawing	1x
	or	Titanium	See Drawing	1x
3	Punched-holes pipe	Stainless Steel	$\phi$ 45x0,8	1x
	or	Titanium	$\phi$ 45x0,8	1x
4	Sound deadener	Fiberglass	635 gr	1x

SCALE:

DATE: 16/01/2016

NAME: E. Vrapì

TYPE: H137: SILENCER

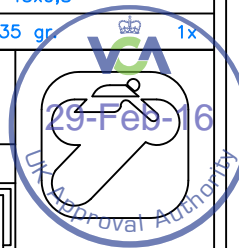
MODEL:

HONDA AFRICA TWIN 2016  
1 SIL

H137 e11 XXXXX G

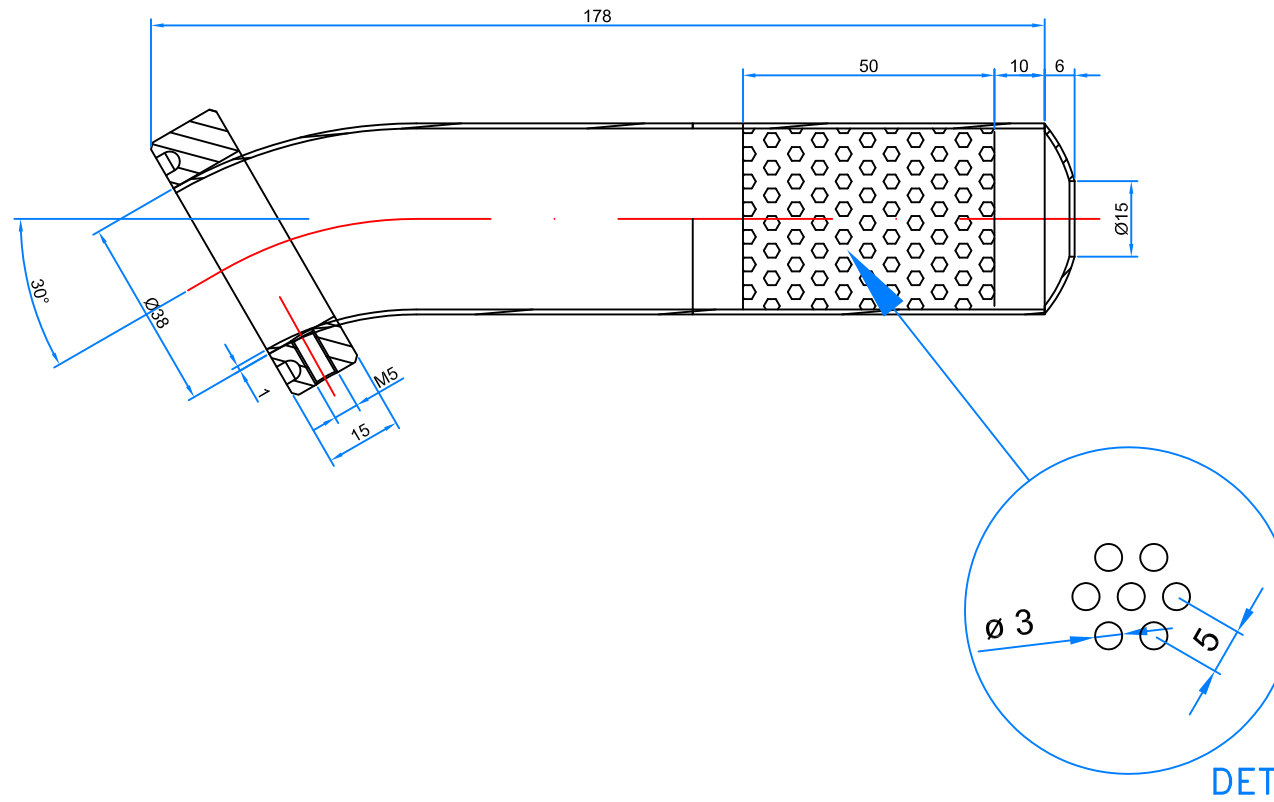
Termignoni

s.p.a.



General tolerance:  $\pm 1\text{mm}$

MATERIAL: S.Steel or Titanium



SCALA:

DATUM: 16/01/2016

NAME: E. VRAPÌ

Type:

H137: Tappo

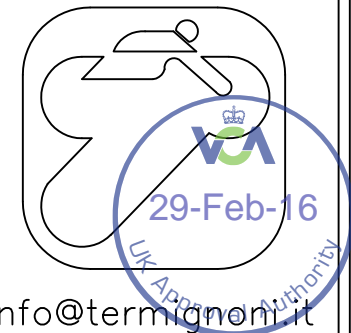
MODEL:

Honda Africa Twin 2016  
1 SIL. OM. Cod. H137  
H137 e11 XXXXX G

Cod. TERMIGNONI TER583

Termignoni

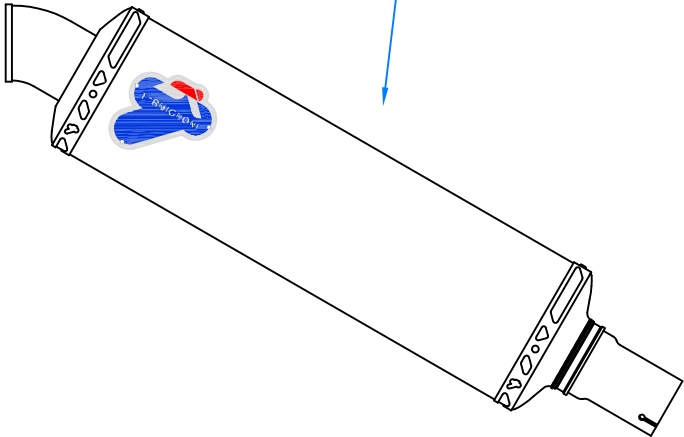
s.p.a.



info@termignoni.it



SILENCER  
see drawing "H137": Silencer"



SCALE:	MODEL:
DATE: 16/01/2016	Honda Africa Twin 2016
NAME: E. VRAP	1 Sil. cod. H137
	H137 e11 XXXXX G
TYPE:	H137: ASSEMBLY

Termignoni s.p.a.



**INFORMATION DOCUMENT N° H137/97/24 rev. 00 - List of the vehicles**

No. of vehicle	Manufacturer	Make	Commercial name	Vehicle type (and no. of homologation)	Engine type	Stroke	Engine capacity in cm <sup>3</sup>	Rated maximum engine power in kW/min <sup>-1</sup>	Additional remarks:	Composition as shown in enclosure no. 1
1)	HONDA MOTOR CO LTD.	HONDA	CRF1000	e4*2002/24*3185*00	SD04E	4-stroke	998	70,0 / 7500	with cat*	1) 2) 3) 4)
2)			CRF1000A							
3)			CRF1000D							

\*) The original catalytic converter remain in the original exhaust system. A degradation of catalyst efficiency is not expected.



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Part. IVA - C.F. 00862780061  
Iscriz. C.C.I.A.A. AL 130295  
Iscriz. Tribunale Reg. Soc. 7721  
N. Export AL 009063  
C.C. IT 00862780061  
Cap. Soc. € 1.000.000,00 int. vers.

## **FITTING INSTRUCTIONS**

### **For Termignoni exhaust systems**

#### **A. Dismantling the original exhaust system**

1. Remove any casing impeding clear access
2. Detach the silencer support(s) and the original silencer from the branch pipe and/or exhaust manifold

#### **B. Fitting Termignoni silencer(s)**

1. Fit the Termignoni silencer(s) to the original branch pipe, or use the Termignoni branch pipe to fit the exhaust manifold
2. Attach the silencer(s) with the mounting(s) supplied with the vehicle, leaving the screws and bolts loose
3. Adjust the exhaust system so that when fully inserted it is at least 5 mm from any other component of the vehicle
4. Tighten all screws and bolts
5. Test the vehicle and check all connections, tightening the screws and bolts if necessary
6. After about 100 km check all the connections again and tighten the screws and bolts if necessary

#### **WARNING:**

Take care when working on the exhaust system after testing the vehicle since the surfaces could be very hot



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Manufacturer: Termignoni S.p.A  
I-15077 Predosa (AL)  
Type: H137

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## TEST REPORT

### No. 16-00001-CM-MIL-00

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

Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013

Codification: G

Approval status		
<input checked="" type="checkbox"/>	Granting of a type approval	e11*134/2014*134/2014G*00501*00
<input type="checkbox"/>	Extension/correction to type approval no.	--

Techn. Report No.: 16-00001-CM-MIL-00  
Manufacturer: Termignoni S.p.A  
I-15077 Predosa (AL)  
Type: H137

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**Reason for extension:**

It will be changed: Not applicable

It will be updated: Not applicable

**0. General information**

- 0.1. Make: TERMIGNONI
- 0.2. Type: H137
- 0.2.1. Variants n.a.
- 0.3. Name and address of manufacturer: Termignoni S.p.A.  
Via della Rampina, 1  
I-15077 Predosa (AL)  
Italy
- 0.4. Name and address of authorized agent: n.a.
- 0.5. No. of information document: H137/134/2014 rev. 00  
Date: 01.02.2016
- 1.0. Class of the vehicles the unit is used for: L3e
- 1.1. Description of the vehicles  
the unit is used for: notice enclosure 2

**2. Composition of the separate technical unit**

- 2.1. Kind of technical unit: Non-original exhaust system, consisting out of one silencer on the right, maximum shape 108x127 mm and, total length 545 mm (with endcap), absorption-reflection principle with outlet pipe  $\varnothing$  36 mm according to drawings no. H137: Silencer and no. H137: Tappo, in combination with original header system. Aluminium-alternatively stainless steel alternatively titanium alternatively carbon fiber-cover. The variants vary because different materials are used. The basic construction remains the same. The acoustic behaviour is similar.

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Manufacturer: Termignoni S.p.A  
I-15077 Predosa (AL)  
Type: H137

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- 2.2. Place of marking: On the silencer, see drawing:  
H137: Silencer
- 2.3. Assembly of the exhaust system for testing  
(no. of parts, enclosure 1): Notice 3.4
- 2.4. Position and direction of the tail pipe: On the right side of the vehicle
- 2.5. Test samples submitted for testing at: 12.01.2016

### 3. Test report

The tests were carried out in 1 series A at 12.01.2016

#### 3.1. **Vehicle**

- (0.1) Make: HONDA
- 3.1.1. Type / Variant / Version: SD04/2/1
- 3.1.1.1 Model: CRF1000A
- 3.1.2. Manufacturer: Honda Motor Co. Ltd
- 3.1.3. Homologation no.: e1\*2002/24\*3185  
3.1.3.1 Extension: N/A
- 3.1.4. Vehicle identification no.: \*JH2SD04B4GK000470\*
- 3.1.5. Year of manufacture: 2015
- 3.1.6. Kilometers: 1530
- 3.1.7. Total weight: 232 kg

#### 3.2. **Engine**

- 3.2.1. Manufacturer: Notice 3.1.2  
Trade name: Honda Motor Co. Ltd
- 3.2.2. Type: SD04E
- 3.2.3. Engine capacity: 998 cm<sup>3</sup>

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I-15077 Predosa (AL)  
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3.2.4. Rated maximum engine power: 70 kW at 7500 min<sup>-1</sup>

### 3.3. Transmission

3.3.1. Kind of transmission: Mechanical

3.3.4 Gearbox: 6 Speed

3.3.5. Transmission ratios:  
primary / final See point 3.1.3

Top speed: See point 3.1.3

Tires:  
front 90/90 -21 M/C 54H  
rear 150/70R18M/C 70H

3.4. **Assembly of the exhaust system**  
(no. of parts, enclosure 1): 1) 2) 3) 4)

### 3.5. Acoustic measurements

3.5.1. Manufacturer of the sound  
level meter: Brüel & Kjaer

3.5.2. Type of the sound level meter: 2236

3.5.3. Drive by noise, stationary noise:  
according to ECE-R 41.04

3.5.4 Load condition during drive by test: Unloaded weight plus 80kg driver

3.5.5. Deviation at calibration: < 0.2 dB(A)

### 3.6. Power measurement

3.6.1. Testing of max. power with non-original exhaust system:

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

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I-15077 Predosa (AL)  
Type: H137

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3.6.2. Testing of top speed with non-original exhaust system:

Not applicable, because vehicle class: Motorcycle L3e

**3.7. Conditioning**

by pulsation

**3.8. Pollution Test**

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. Test results**

The results of

- 3.9.1. Noise testing
  - 3.9.2. Power measurement
  - 3.9.3. Top speed
- are attached in the enclosure.

All motorcycles with the same serial exhaust system and same or fewer performance mentioned in enclosure 2, can be taken into the field of application due to the measurement with the above named motorcycle/s.

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

- 3.9.6. The general specifications regarding (EU)134/2014; Annex IX; Appendix 2; Clause 3.5.1. are fulfilled by the non-original exhaust system as technical unit.

**4. Enclosures**

Enclosure 1, Composition of the non original exhaust system  
Enclosure 2, Field of application  
Enclosure 3, Test results  
Information Document



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Manufacturer: Termignoni S.p.A  
I-15077 Predosa (AL)  
Type: H137

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## 5. Summary

The information folder as mentioned under No. 0.5 and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".

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Designated as Technical Service by:

Approval authority	Country	Registration-number	Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	<a href="http://www.kba.de">www.kba.de</a>
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006	<a href="http://ec.europa.eu/enterpri/se/sectors/automotive/approval-authorities-technical-services/technical-services/index_en.htm">http://ec.europa.eu/enterpri se/sectors/automotive/appro val-authorities-technical- services/technical- services/index_en.htm</a>
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-01	
National Standards Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	<a href="http://www.vsc.org.tw/English/Default.aspx">http://www.vsc.org.tw/Engli sh/Default.aspx</a>

München, 01.02.2016



Pietro Vergani  
Authorized Signatory

**ENCLOSURE 1**

**To test report no.**

**Type:**

**Manufacturer:**

**16-00001-CM-MIL-00**

**H137**

**Termignoni S.p.A.**

**Composition of the original exhaust system + original parts**

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No.	Components parts, dimensions in mm	Dimensions of the part in mm or original part / replacement part	Part no. or homologation no.
1)	Collectors and final body	Original part	--
2)	Catalytic converter	Original part	--
3)	Reduction	Notice drawing	Drawing H137: Tappo
4)	Silencer (outlet pipe Ø 36 mm)	One silencer on the right, maximum shape 108x127 mm and, total length 545 mm (with endcap), absorption-reflection principle with outlet pipe Ø 36 mm	Drawing H137: Silencer

## ENCLOSURE 2

To test report no.

Type:

Manufacturer:

16-00001-CM-MIL-00

H137

Termignoni S.p.A.

### Field of application

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No. of vehicle	Manufacturer	Make	Commercial name	Vehicle type (and no. of homologation)	Engine type	Stroke	Engine capacity in cm <sup>3</sup>	Rated maximum engine power in kW/min <sup>-1</sup>	Additional remarks:	Composition as shown in enclosure no. 1
1)	HONDA MOTOR CO LTD.	HONDA	CRF1000	e4*2002/24*3185	SD04E	4-stroke	998	70,0 / 7500	with cat*	1) 2) 3) 4)
2)			CRF1000A							
3)			CRF1000D							

\*) The original catalytic converter remain in the original exhaust system. A degradation of catalyst efficiency is not expected.

## ENCLOSURE 3

To test report no.  
Type:  
Manufacturer:

16-00001-CM-MIL-00  
H137  
Termignoni S.p.A.

### Test results

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No. of vehicle	Engine power original kW/min <sup>-1</sup>	Engine power non original kW/min <sup>-1</sup>	Vmax original km/h	Vmax non original km /h	measured in gear ratio	Limit Value **) SL <sub>EU4</sub>	Original mea- Sured L <sub>urban</sub>	Non original measured L <sub>urban</sub>	at km/h	Vehicle type hom.	Original mea- sured	Non original measured	at min <sup>-1</sup>
1) A*	70,0 / 7500	69,8 / 7500	-	-	4	80	79	79,5	40,9	93	93	91	3750

\*) Test series

\*\*) Limit value of directive which was valid by vehicle type homologation