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Italy

APPLICATION FOR APPROVAL OF SEPARATE TECHNICAL UNIT OF EXHAUST SYSTEMS FOR MOTORCYCLE PURSUANT TO REGULATION (EU) 134/2014

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF TWO- OR THREE-WHEEL VEHICLES AND QUADRICYCLES WITH REGARD TO NOISE-ABATEMENT DEVICE

Total number of pages: 7

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Predosa, IT
04.01.2017

Technical manager

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Confirmation

We declare hereby that the specimen submitted for this approval test have been manufactured and assembled in conditions of ordinary mass production and that they are compatible with the enclosed documentation.

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0. GENERAL INFORMATION

B. General information concerning systems, components or separate technical units

0.7.	**Make (trade name of manufacturer):**	Termignoni
0.8.	**Type:**	D169
	Variants:	SSSSF, STSSF, SCSSF TSSSF, TTSSF, TCSSF CSSSF, CTSSF, CCSSF for details see page 6.
0.8.1.	Commercial name (if available):	N/A
0.8.2.	Type-approval number (if available):	N/A
0.8.3.	Type-approval issued on (date, if available):	N/A
0.9.	**Company name and address of manufacturer:**	Termignoni S.p.A. Via della Rampina, 1 I-15077 Predosa (AL) Italy
0.9.1.	Name and address of assembly plants:	Termignoni S.p.A. Via della Rampina, 1 I-15077 Predosa (AL) Italy
0.9.2.	Name and address of manufacturer's authorised representative, if any:	N/A
0.10.	**Vehicle for which the system/separate technical unit is intended for**	
0.10.1.	Type:	HA Ducati Motor Holding S.p.A. e49*168/2013*00003
0.10.2.	Variant:	00, 01
0.10.3.	Version:	AA,JA
0.10.4.	Commercial name (if available):	959 Panigale
0.10.5.	Category, subcategory and sub-subcategory of vehicle:	L3e-A3

C. General information concerning vehicle, systems, components or separate technical units

0.12. Conformity of production

0.12.1. Description of overall quality-assurance management systems
according to described internal quality management
initially assessment has been executed

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1. GENERAL CONSTRUCTION CHARACTERISTICS

1.8. Propulsion unit performance

1.8.1.	Declared maximum vehicle speed:	270 km/h
1.8.3.	Maximum net power combustion engine:	110 kW at 10500 min^{-1} at A/F ratio: 0,86
1.8.4.	Maximum net torque combustion engine:	102 Nm at 9000 min^{-1} at A/F ratio: 0,85
1.8.5.	Maximum continuous-rated power electric motor (15/30 minutes power):	N/A
1.8.6.	Maximum continuous-rated torque electric motor:	N/A
1.8.7.	Maximum continuous total power for propulsion:	N/A
1.8.8.	Maximum continuous total torque for propulsion:	N/A
1.8.9.	Maximum peak power for propulsion:	N/A

4. GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE

4.0. General information on environmental and propulsion performance

4.0.1.	Environmental step:	N/A
4.0.2.	**Sound level**	N/A

4.4. Additional information on environmental and propulsion unit performance

4.4.4. Applicable information document set out in respectively UN Regulation No 92 shall supplement this information document with regards to the noise-abatement devices installed on the vehicle. N/A

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Technical description:

Non-original exhaust system, consisting out of two silencers on the rear side of the vehicle, maximum dimensions 127x88 mm and, total length 578 mm (with endcap), absorption-reflection principle with outlet pipe dimensions 42 x 70,7 mm according to drawings no. D169: SILENCER and D169: TAPPO, in combination with original header system. The silencer has been made in Stainless steel or as alternative in Titanium or Carbon fiber.

Repair and maintenance information are in manual and webpages: www.termignoni.it

Position and direction of the tail pipe:

On the right side of the vehicle

Used materials:

- SSSSF (Stainless steel (shell), Stainless steel (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- STSSF (Stainless steel (shell), Titanium (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- SCSSF (Stainless steel (shell), Carbon fiber (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- TSSSF (Titanium (shell), Stainless steel (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- TTSSF (Titanium (shell), Titanium (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- TCSSF (Titanium (shell), Carbon fiber (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- CSSSF (Carbon fiber (shell), Stainless steel (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- CTSSF (Carbon fiber (shell), Titanium (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)
- CCSSF (Carbon fiber (shell), Carbon fiber (outlet cap), Stainless steel (outlet pipe), Stainless steel (punched-holes pipe), Fiberglass)

Place of marking:

On the silencers, see enclosed drawings of silencers and composition
Appendix 2 - Drawing of silencer “D169: SILENCER”, date: 15/12/2016.

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Appendix 1 - Composition of the original exhaust system + original parts

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	D169: TAPPO
4)	Silencers (outlet pipe 42 x 70,7 mm)	Two silencers on the rear side of the vehicle, maximum dimensions 127x88 mm and, total length 578 mm (with endcap), absorption-reflection principle with outlet pipe dimensions 42 x 70,7 mm	D169: SILENCER

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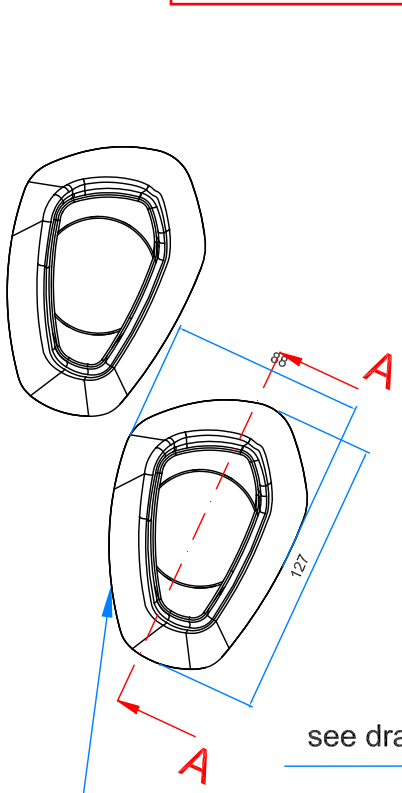
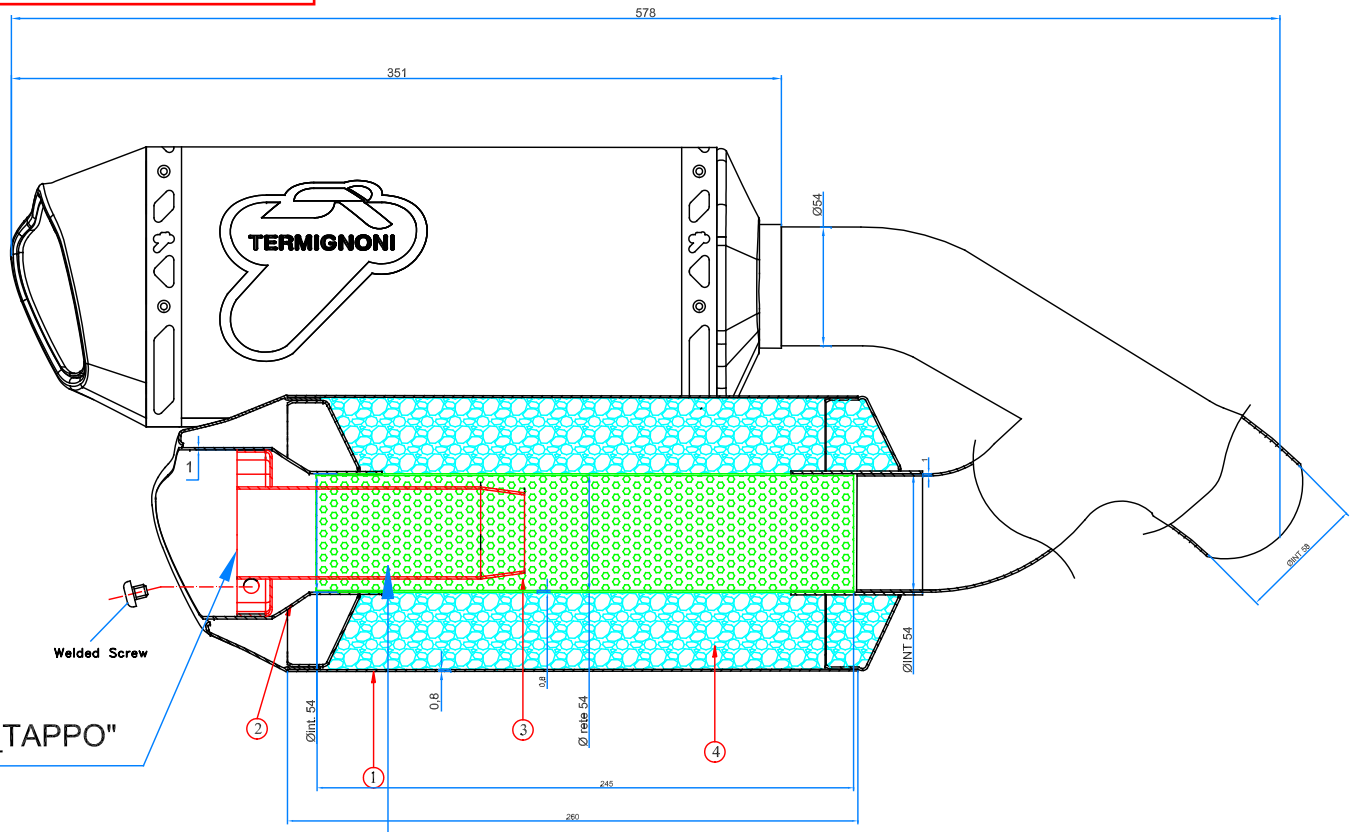
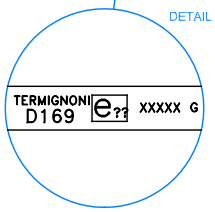
General tolerance: ±1mm

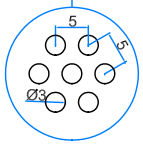
INFORMATION DOCUMENT N° D169/134/2014
Appendix 2 - Drawing of silencer “D169:





DETAIL NOT IN SCALE





SECTION A-A

Part List				
Nr.	Part Name	Material	Dimension	QT.
1	Shell / Outlet Cap	Titanium Carbon fiber Stainless steel	See Drawings	1
2	Outlet Pipe	Stainless steel	See Drawings	1
3	Perforated inner pipe	Stainless steel	Øext. 54x0.8	1
4	Soundproof material	Fiberglass	225 g	1

SCALE:	1:1
DATE:	15/12/2016
NAME:	S.Emanuelli
MODEL:	PANIGALE 959 SILENCER D169 e?? XXXXX G
TYPE:	D169: SILENCER

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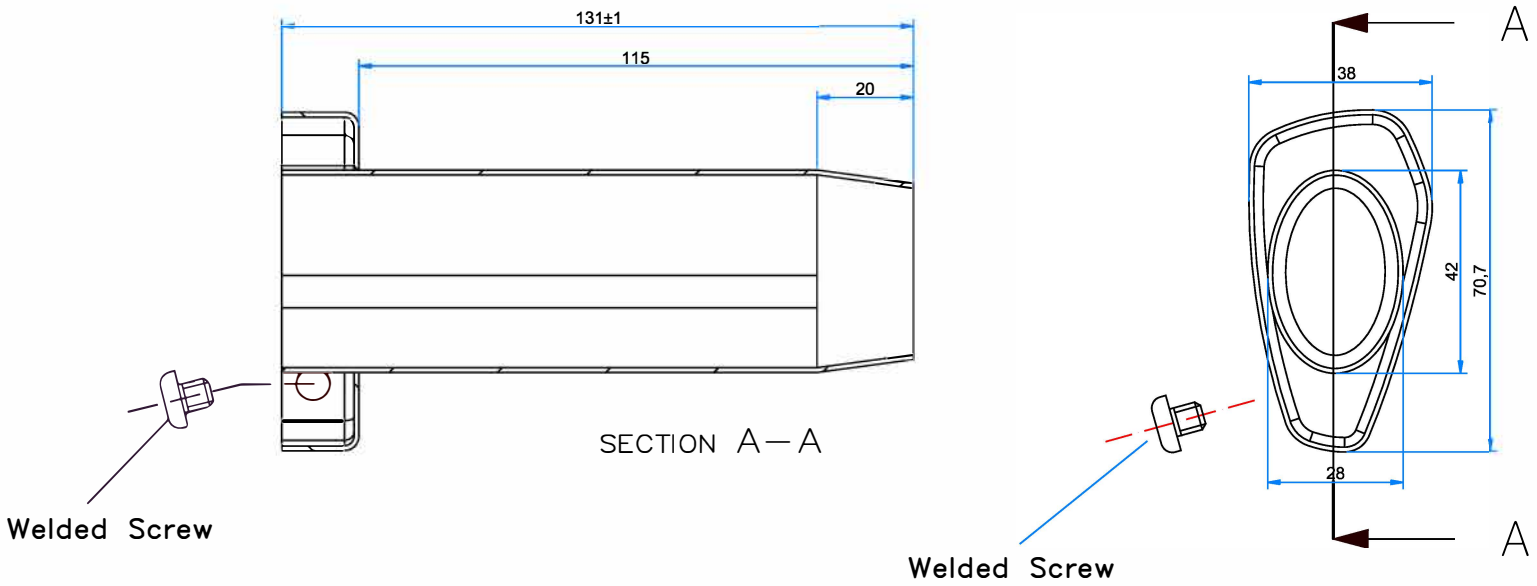
General tolerance: ±1mm

MATERIAL: S.Steel

INFORMATION DOCUMENT N° D169/134/2014
Appendix 3 - Drawing of dB killer “D169: TAPPO”



SCALA:	*MODEL:* PANIGALE 959 SILENCER D169 e8 XXXXX G
DATUM: 15/12/2016	
NAME: C. Zappia	
Tipe: D169: Tappo	

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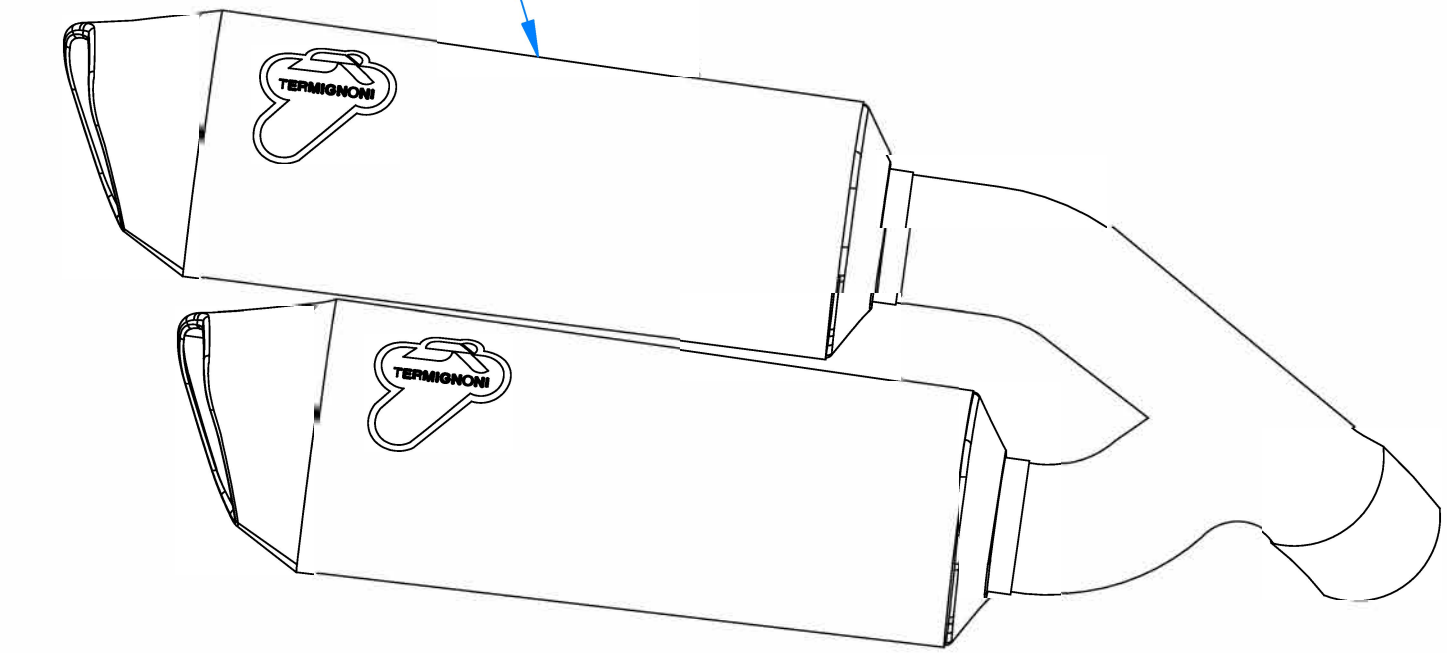
info@termignoni.it

Cod. TERMIGNONI TER630SX

INFORMATION DOCUMENT N° D169/134/2014
Appendix 4 - Drawing of composition “D169: ASSEMBLY”

SILENCER
see drawing "D169_SILENCER"



SCALE: 1:2	*MODEL:* PANIGALE 959 SILENCER
DATE: 15/12/2016	D169 e**8** XXXXX G
NAME: C.Zappia	
TYPE: D169: ASSEMBLY	

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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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