



Référence: E13*59R03/00*0072B*02

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 10 janvier 2025

Communication concernant:⁽²⁾
Communication concerning:



- ~~la délivrance d'une homologation~~
approval granted
- ~~l'extension d'homologation~~
approval extended
- ~~le refus d'homologation~~
approval refused
- ~~le retrait d'homologation~~
approval withdrawn
- ~~l'arrêt définitif de la production~~
production definitely discontinued

d'un type de dispositif silencieux d'échappement de remplacement ou d'élément d'un tel dispositif en application du Règlement N° 59.
of a type of replacement silencing system or components of the said system pursuant to Regulation No. 59.

Numéro d'homologation par type:
Approval number:

E13*59R03/00*0072B*02

Raison(s) de l'extension:
Reason(s) of extension:

Refer to Appendix 0 of test report

1. **Marque de fabrique ou de commerce du dispositif silencieux d'échappement:**
Trade name or mark of the exhaust silencing system:

APR
Stoll GmbH

2. **Type du dispositif silencieux d'échappement:**
Type of the exhaust silencing system:

APR EA855evo

3. **Nom et adresse du fabricant:**
Manufacturer's name and address:

Stoll GmbH
Porschestraße 1
D-79761 Waldshut-Tiengen

4. **Le cas échéant, nom et adresse de son mandataire:**
If applicable, name and address of manufacturer's representative:

Not applicable

5. **Description sommaire du dispositif silencieux (avec/sans⁽²⁾ / matériaux fibreux, etc.):**
Brief description of the exhaust silencing system (with/without⁽²⁾ / fibrous material, etc.):

Rear-silencer and front-silencers with fibrous material; absorption / reflection principle with variable geometry

6. **Marque de fabrication ou de commerce du type de véhicule auquel le dispositif silencieux est destiné:**
Trade name or mark of the vehicle type for which the exhaust silencing system is intended: See appendix 2/02
7. **Type de ce véhicule, à commencer par le numéro de série:**
Vehicle type, starting from serial number: See appendix 2/02
serial number: not applicable
8. **Principe de fonctionnement du moteur (à allumage commandé, à allumage par compression etc.):**
Kind of engine: Positive-ignition
9. **Cycle ⁽²⁾:**
Cycles ⁽²⁾: ~~Two-stroke~~ / Four stroke
10. **Cylindrée:**
Cylinder capacity: See appendix 2/02
11. **Puissance maximale du moteur (kW):**
Rated maximum net power (kW): See appendix 2/02
12. **Nombre de rapports de la boîte de vitesses:**
Number of gears: See appendix 3/02
13. **Rapport(s) de la boîte de vitesses utilise(s):**
Gears used: See appendix 3/02
14. **Rapport(s) du pont:**
Final drive ratio(s): See appendix 3/02
15. **Régime de puissance maximale:**
Rated maximum net power: See appendix 3/02
16. **Conditions de charge du véhicule pendant l'essai:**
Load conditions of vehicles during test: See appendix 3/02
17. **Valeurs du niveau sonore:**
Sound levels: See appendix 3/02
- 17.1 - **Véhicule en marche [db(A)]:**
Vehicle in motion [dbA]: See appendix 3/02
- 17.2 - **Véhicule à l'arrêt [db(A)] à [tr/min]:**
Vehicle stationary [dbA] with engine running at [rpm]: See appendix 3/02
18. **Valeur de la contre-pression:**
Value of the back pressure: See appendix 3/02
19. **Dispositif silencieux présenté**
Exhaust silencing system submitted
- **à l'homologation le:** 26.11.2024
for approval on:
- **à l'extension de l'homologation le:** 12.12.2024
for extension of approval on:

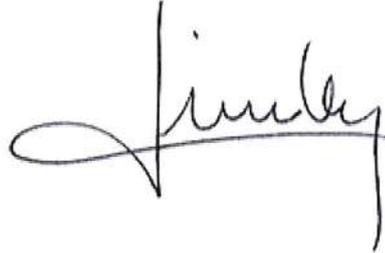
20. **Service technique chargé des essais d'homologation:**
Technical service responsible for conducting approval tests: TÜV Rheinland Kraftfahrt GmbH
21. **Date du procès-verbal émis par ce service:**
Date of report issued by that service: 12.12.2024
22. **Numéro du procès-verbal émis par ce service:**
Number of report issued by that service: 2311LP0002-02
23. **L'homologation est ⁽²⁾:**
Approval: Granted / extended / refused / withdrawn
24. **Emplacement sur le dispositif silencieux de la marque d'homologation:**
Position of approval mark on the vehicle: Impressed on the body of the silencers
25. **Lieu:**
Place: Bertrange
26. **Date:**
Date: 10 janvier 2025
27. **Signature:**
Signature:

Pour la Ministre de la Mobilité
et des Travaux publics



Hias ZERKTOUNI
Attaché

Pour la SNCH



Laurent LINDEN
Directeur opérationnel



28. **Sont annexes à la présente communication les pièces suivantes qui portent le numéro d'homologation indiqué ci-dessus:**

The following documents, bearing the approval number shown above, are annexed to this communication:

- **dessins, schémas et plans du dispositif silencieux d'échappement**

- drawings, diagrams and plans of the silencing system

- **photographies du dispositif silencieux d'échappement**

- photographs of the exhaust silencing system

- **bordereau des éléments, dûment identifiés, formant le dispositif silencieux**

- list of components, duly identified constituting the exhaust silencing system

² **Biffer la mention qui ne convient pas**
Strike out what does not apply



Référence: E13*59R03/00*0072B*02

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 10 janvier 2025

Index du dossier d'homologation Index to type-approval report

	Numéro d'homologation: Approval number:	E13*59R03/00*0072B*02
	Révision: Revision:	00
	Marque de fabrication ou de commerce: Trade name or mark:	APR Stoll GmbH
	Type: Type:	APR EA855evo
1.	Procès-verbal d'essai: Test report:	N° 2311LP0002-02
	- Test report:	Page 1 to 7
	- List of modification:	Appendix 0 - Page 8
	- Communication:	Attachment L - Page 1 & 2
	- Composition of the separate technical unit:	Appendix 1/02 - Page 1
	- Range of application:	Appendix 2/02 - Page 1 & 2
	- Test results:	Appendix 3/02 - Page 1 to 5
2.	Dossier du constructeur: Report of the manufacturer:	N° APR EA855evo-02
	- Manufacturer's information document:	<u>Page 1 to 3</u>
	- Attachments:	<u>Refer to Appendices page 3</u>
3.	Autres documents annexés: Other documents annexed:	Not applicable
4.	Date de délivrance de l'homologation initiale: Date of issue of initial type approval:	25.08.2023
5.	Date de la dernière délivrance de pages révisées: Date of last issue of revised pages:	Not applicable
6.	Date de la dernière délivrance d'une homologation révisée: Date of last extension:	10.01.2025

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
Manufacturer : Stoll GmbH

TEST REPORT

E13*59R03/00*0072B*02

Société Nationale de Certification et d'Homologation

according to

UN-Regulation No. 59

Uniform provisions concerning the approval of replacement silencing systems

as last amended by

Revision 2 – Amendment 2

03 series of amendments – Date of entry into force: 25 September 2020

Approval Status

UN-Type approval : E13*59R03/00*0072B*01

Structure of the Test Report

Item No.	
0	General information
1	Tested vehicle(s) / object(s)
2	Test record
3	Appendices
4	Statement of conformity

The Test Report shall be reproduced and published only in its entirety by the client. It may however be reproduced and published partially, but only with the written permission of the Technical Service.

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
 Manufacturer : Stoll GmbH

0 General Information

0.1 Make (trade name of the manufacturer) : APR
Stoll GmbH

0.2 Type : APR EA855evo

0.3 Category of vehicle : M1

0.4 Name and address of the manufacturer : Stoll GmbH
Porschestraße
79761 Waldshut-Tiengen
Germany

[E13*59R03/00*0072B*02](#)
 Société Nationale de Certification et d'Homologation

0.5 No. of the information document : APR EA855evo-02

-Date of issue : 2024-11-26
 -Date of last change :

1 Tested vehicle(s) / object(s)

1.1 Description : The tests were performed in two series

1.1.1 Vehicle / object (A) : Test series 1

Make : Audi Sport GmbH

Trade name : TT RS Coupé

Type(s) /variant(s) /version(s) : 8J /
CDNWAQ1 /
QD7AD7DL002RT41E20S44BIAEM1B0

Vehicle type approval no. : e1*2007/46*1686*16

Identificationnumber : WUAZZZFV0P1900506

Power plant
Manufacturer : Audi AG

Manufacturer's engine code : DNWA

Rated maximum net power : 294 kW @ 5850 min⁻¹

Mass in running order (m_{ro}) : 1550 kg

Power to mass ration (PMR) : 189,68

Transmission : 7 speed – automatic transmission (DSG)

Final drive ratio : 4,059

Mounted wheels
Axle 1 : 255/30 ZR20, Pirelli P Zero

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
 Manufacturer : Stoll GmbH

Axle 2 : 255/30 ZR20, Pirelli P Zero
 Year of manufacture : 2023
 Mileage : 1114
 Condition of vehicle(s)/Object(s) : new, used, pretested

1.1.2 Vehicle / object (B) : Test series 2
 Make : Audi Sport GmbH
 Trade name : TT RS Coupé
 Type(s) /variant(s) /version(s) : 8J /
 CDNWAQ1 /
 QD7AD7DL002RT41E20S44BIAEM1B0
 Vehicle type approval no. : e1*2007/46*1686*16
 Identificationnumber : WUAZZZFVXP1900903
 Power plant
 Manufacturer : Audi AG
 Manufacturer's engine code : DNWA
 Rated maximum net power : 294 kW @ 5850 min⁻¹
 Mass in running order (m_{ro}) : 1550 kg
 Power to mass ration (PMR) : 189,68
 Transmission : 7 speed – automatic transmission (DSG)
 Final drive ratio : 4,059
 Mounted wheels
 Axle 1 : 255/30 ZR20, Pirelli P Zero
 Axle 2 : 255/30 ZR20, Pirelli P Zero
 Year of manufacture : 2023
 Mileage : 150
 Condition of vehicle(s)/Object(s) : new, used, pretested

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
 Manufacturer : Stoll GmbH

1.1.3	Vehicle / object (C)	:	Test series 3
	Make	:	Audi Sport GmbH
	Trade name	:	RS3 Sportback
	Type(s) /variant(s) /version(s)	:	8V / SDNWAQ1 / QD7AD7DL002RS11E194BFAEM1
	Vehicle type approval no.	:	e1*2007/46*0608*08
	Identificationnumber	:	WUAZZZ8V9LA904318
	Power plant		
	Manufacturer	:	Audi AG
	Manufacturer's engine code	:	DNWA
	Rated maximum net power	:	294 kW @ 5850 min-1
	Mass in running order (mro)	:	1605 kg
	Power to mass ration (PMR)	:	183,18
	Transmission	:	7 speed – automatic transmission (DSG)
	Final drive ratio	:	4,059
	Mounted wheels		
	Axle 1	:	255/30 R20
	Axle 2	:	255/30 ZR20
	Year of manufacture	:	2020
	Mileage	:	22894
	Condition of vehicle(s)/Object(s)	:	new , used, pretested

1.3 Worst case configuration : A high-performed vehicle was selected from the range of application of appendix 2/00. The test vehicle was representative to paragraph 2.9.1. to UN Regulation No. 59 and met the requirements of paragraph 8.1. of UN Regulation 51 (Conformity of Production)

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Société Nationale de Certification et d'Homologation

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
 Manufacturer : Stoll GmbH

1.4 Remarks : The test vehicle was equipped with an exhaust system with variable geometries. For the NORESS still works the same operational functions as the OE system. The control is done via the OE Canbus.

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2 Test record [Société Nationale de Certification et d'Homologation](#)

2.1 Equipment for measuring and testing : The test facilities / measurement equipment used were in compliance with the test requirements

Acoustic measurements : Precision sound level meter meets the requirements described in IEC 61672 – 1:2002 class 1.

Manufacturer : Brüel & Kjaer
 Type : 2250L
 Serial No. : 3012014, 302544
 Sound Calibrator
 Manufacturer : Brüel & Kjaer
 Type : 4231
 Serial no. : 300316

Speed measurements : GPS/GLONASS Data logger 100 Hz
 Manufacturer : Racelogic
 Type : Vbox 3i-V4SL
 Serial No. : 50732

Backpressure measurements : Each with nominal speed
 Manufacturer : Testo
 Type : 560 0511
 Serial No. : 39121909/1221

Meteorological Instrumentation
 Temperature measuring device : Testo
 Barometric pressure measuring device
 Relative humidity measuring device
 Type : 176 P1
 Serial No. : 41002976
 Wind speed-measuring device : Kaindl electronic, Windmaster
 Type : LCA301
 Serial No. : 0202425

2.1.1 Specifications for the test site : Technologiezentrum Typprüfstelle
 TÜV Rheinland Kraftfahrt GmbH
 Königsberger Straße 20d
 D-67245 Lamsheim

2.1.2 Subcontracting : -

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
 Manufacturer : Stoll GmbH

2.2 Test results

Remarks concerning specific test execution or selection : Due to the similarity of the drive of test vehicle B and C, the measurement results of the NORESS were compared with those of the original equipped vehicle B. Further measurements with the original equipped vehicle C were not necessary.

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Société Nationale de Certification et d'Homologation

Remarks concerning extension : The vehicle type has been tested according to the modification(s) mentioned in appendix 0.
 The new parts meet the requirements of the regulation.
 An actual practical test of the vehicle was not necessary.
 The results of the previous test(s) are still valid.

- () numbering according to Annex 1 of the UN-Regulation R59-03 series of amendments - Communication
- [] numbering according to Annex 1 – appendix of the UN-Regulation R59-03 series of amendments – Information document
- { } numbering according to Annex 6 – Information for users and technical inspection

Test results referring to measurements : See Appendix 3/02

Test results of not measurable attributes : -

Alternative test methods : -

2.3 Additional information : -

Test site : TZT Lambsheim

Test date : Series 1, 2023-03-02
 Series 2, 2023-08-22
 Series 3, 2024-11-28

2.4 Remarks : -

3 Appendices

Appendix 0 : List of modifications
 Attachment L : Communication
 Appendix 1/02 : Composition if the separate technical unit
 Appendix 2/02 : Range of application
 Appendix 3/02 : Test results R59-03

Information document APR EA855evo-02

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
Manufacturer : Stoll GmbH

4 Statement of conformity

The Information Document listed in section 0.5., and the type described therein, comply with the requirements stated on page 1. The test results in this report refer to the vehicle(s)/object(s) described under section 1.1. With regards to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2).

Sulzbach / 2024-12-12

E13*59R03/00*0072B*02



Société Nationale de Certification et d'Homologation

Dipl.-Ing.(FH) Michael Schmitt
Technical Expert Technical Service

Test Report No. 2311LP0002-02

Vehicle type / Type : APR EA855evo
Manufacturer : Stoll GmbH

List of modifications	E13*59R03/00*0072B*02 Société Nationale de Certification et d'Homologation	Appendix 0
Correction of	: -	
Modification of	: -	
Addition of	: A variant with a Helmholtz resonator has been added	
Deletion of	: -	

**Communication concerning the
type approval of a type of vehicle**

corresponding Test Report : 2311LP0002-02
Vehicle Type / Type : APR EA855evo
Manufacturer : Stoll GmbH

Attachment L

data referring to UN Regulation No. 59,
Amendment 03 Supplement 00

1. Trade name or mark of the exhaust silencing system : APR
Stoll GmbH
2. Type of the exhaust silencing system : APR EA855evo
3. Manufacturer's name and address : Stoll GmbH
Porschestraße
79761 Waldshut-Tiengen
Germany
4. If applicable, name and address of manufacturer's representative : N/A
5. Brief description of the exhaust silencing system (with/without fibrous material, variable geometries, sound actuator(s), adjustable modes etc.) : Rear-silencers and front-silencers with fibrous material; absorption / reflection principle with variable geometry
6. Trade name or mark of the vehicle type for which the exhaust silencing system is intended : See appendix 2/02
7. Vehicle type, starting from serial number : See appendix 2/02
serial number: not applicable
8. Kind of engine : Positive-ignition / Compression Ignition
9. Cycles : Four stroke
10. Cylinder capacity : See appendix 2/02
11. Rated maximum net power : See appendix 2/02
12. Number of gears : See appendix 3/02
13. Gears used : See appendix 3/02
14. Final drive ratio(s) : See appendix 3/02
15. Rated maximum net power : See appendix 3/02
16. Load conditions of vehicle during test : See appendix 3/02

TÜV Rheinland Group

**Communication concerning the
type approval of a type of vehicle**

corresponding Test Report : 2311LP0002-02
Vehicle Type / Type : APR EA855evo
Manufacturer : Stoll GmbH

17. Sound levels : See appendix 3/02
- 17.1. Vehicle in motion : See appendix 3/02
- 17.2. Vehicle stationary : See appendix 3/02
18. Value of the back pressure : See appendix 3/02
19. Exhaust silencing system submitted
- For approval on : 2024-11-26
- For extension of approval on : -
20. Technical Service responsible for conducting approval tests : TÜV Rheinland Krafftahrt GmbH
Am grauen Stein
51105 Cologne
Germany
21. Date of Test report issued by that service : 2024-12-12
22. Number of report issued by that service : 2311LP0002-02
23. Apprival grated/refused :
24. Position of approval mark : Impressed on the body of the silencers
25. Place :
26. Date :
27. Signature :
28. The following documents, bearing the approval number shown above, are annexed to this communication : See information document No.:
APR EA855evo-02

Composition of the separate technical unit

No.	Component parts, dimensions in mm	Dimensions of parts in mm or original part / replacement part	Part-no or. / approval no.	See on drawing
01)	Front Pipe	Original-part	-	-
02)	Catalyst / Particulate Trap	Original-part	-	-
1)	TTRS Front Tube Assembly	Ø 63,5	EXH0413	CBK0042
2)	Tube Assembly, Mid, RS3/TTRS, Left		EXH0411	CBK0042
3)	Tube Assembly, Mid, RES3/TTRS, Right		EXK0412	CBK0042
4)	TTRS Muffler Assembly	Oval 216,5 x 166 x 570	MUA0043	MUH0020, Rev.F
5)	RS3/TTRS Tip, Left RS3/TTRS Tip, Right	Oval 170 x 111,5 x 129	EXH0399 EXH0400	EXH0399, Rev.A EXH0400, Rev.A
6)	Abgasanlage Audi TT RS	Oval 200 x 170 x 550	MUH0020 V2	MUH0020 V2
7)	4 Exhaust tips for 2.5" tube, polished 4 Exhaust tips for 2.5" tube, black pvd 4 Single wall exhaust tips for 2.5", polished 4 Exhaust tips for 2.5" tube, polished 4 Exhaust tips for 2.5" tube, black pvd 4 Exhaust tips for 2.5" tube, polished 4 Exhaust tips for 2.5" tube, brushed 4 Exhaust tips for 2.5", clamp on, polished		EXH0233 EXH0237 EXH0254 TIP0007 TIP0008 TIP0011 TIP0012 TIP0018	EXH0233, Rev.B EXH0237, Rev.B EXH0254 TIP0007, Rev.F TIP0008, Rev.A TIP0011, Rev.C TIP0012, Rev.F TIP0018
8)	Helmholtz Resonator	Ø 130 x 250	SD.65.855	SD.65.855

Remarks: -

Test Report : 2311LP0002-02

Appendix: 2/02 Type : APR EA855evo

Manufacturer : Stoll GmbH

Range of application

Data of the vehicles for which the exhaust replacement silencing system is intend; according UNECE R59, Annex 6, paragraph 1, {g}

No.	Manufacturer	Make	Tradename	Vehicle type and Approval no.	Category of vehicle	Motor type/ working principle [PI / CI]¹)	Engine capacity [cm³]	Rated maximum net power [kW/min⁻¹]	Kind of transmission	Restriction ²) concerning vehicles where the system can be mounted
() Numbering according to Annex 1, / [] Numbering according to Annex 1 - Appendix / { } Numbering according to Annex 6 of UNECE R59										
[1.6.1]		[1.1]/{} (6)/[1.2]		(7)/[1.2], [1.5]/{ii, iii}	[1.4]	(8)(9)/[1.6.2]/ {iv}	(10)	(11)/[1.6.3]/{v}	[1.7.1]/{vi}	[1.11]/{vii}
1.	Audi Sport GmbH	Audi	TT RS Coupé TT RS Roadster	8J1 e1*KS04/46*0054*.. 8J e1*2007/46*1686*..	M1	DAZA PI four stroke DAZA PI four stroke DNWA PI four stroke DAZA PI four stroke DNWA PI Four stroke	2480 2480 2480 2480 2480	294 / 5850 294 / 5850 294 / 5850 294 / 5850 294 / 5850	AT	01)02)1)2)3)4)5) opt. 01)02)5)6)8)
2.										01)02)1)2)3)4)5) opt. 01)02)5)6) opt. 01)02)5)6)8)
3.										01)02)1)2)3)4)5) opt. 01)02)5)6)8)
4.			RS3 Limousine RS3 Sportsback	8V e1*2007/46*0608*..						01)02)1)2)3)4)5) opt. 01)02)5)6) opt. 01)02)5)6)8)
5.										01)02)1)2)3)4)5) opt. 01)02)5)6) opt. 01)02)5)6)8)
6.			RS3 Limousine RS3 Sportsback	GY e1*2007/46*2144*..						01)02)1)2)3)4) opt. 01)02)6) opt. 01)02)6)8)
7.										
8.			RS Q3 Sportsback RS Q3	F3 e1*2007/46*2038*..						

Test Report : 2311LP0002-02

Appendix: 2/02 Type : APR EA855evo

Manufacturer : Stoll GmbH

Range of application

Data of the vehicles for which the exhaust replacement silencing system is intend; according UNECE R59, Annex 6, paragraph 1, {g}

No.	Manufacturer	Make	Tradename	Vehicle type and Approval no.	Category of vehicle	Motor type/ working principle [PI / CI] ¹⁾	Engine capacity [cm ³]	Rated maximum net power [kW/min ⁻¹]	Kind of transmission	Restriction ²⁾ concerning vehicles where the system can be mounted
	() Numbering according to Annex 1, / [] Numbering according to Annex 1 - Appendix / { } Numbering according to Annex 6 of UNECE R59									
[1.6.1]		[1.1]{}	(6)/[1.2]	(7)/[1.2], [1.5]/{ii, iii}	[1.4]	(8)(9)/[1.6.2]/ {iv}	(10)	(11)/[1.6.3]{v}	[1.7.1]{vi}	[1.11]{vii}
9.	SEAT, S.A.	Cupra	Formentor	KM e9*2007/46*4008* ..	M1	DNWB PI four stroke	2480	287 / 5700	AT	01)02)1)2)3)4)7) opt. 01)02)6)7) opt. 01)02)6)7)8)

Remarks:

- 1) PI = Positive Ignition (Petrol Car) / CI = Compression Ignition (Diesel Car)
- 2) Composition of the separate technical unit. See Appendix: 1/00 of test report.

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Société Nationale de Certification et d'Homologation