

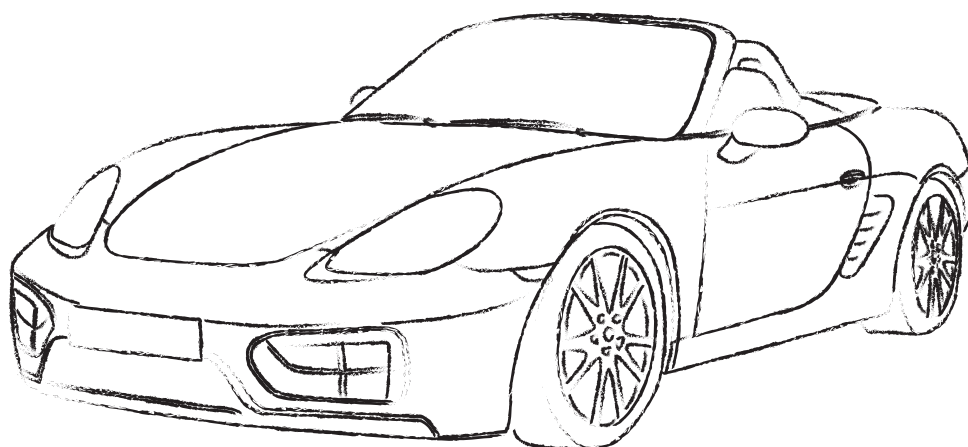


Sport Exhaust System

94.201S (JP no. 1620603000)

94.301S (JP no. 1620602900)

94.310S (JP no. 1620602800)



PORSCHE® BOXSTER



TÜV Kraftfahrt GmbH · 51101 Köln

DANSK AUTOPART
Herr Pedersen
Hjulmagervej 5
DK-8800 Viborg

Dänemark

Ihre Nachricht vom :
Unser Zeichen :
Name : Raimund Kostka
Telefon : +49 (0)221/806-2620
e-mail : kostka@de.tuv.com
Köln : 14.06.99

Genehmigung

16 JUNI 1999

Sehr geehrter Herr Pedersen,

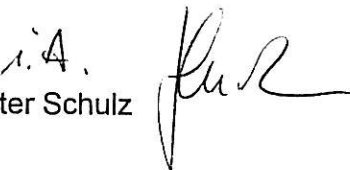
als Anlage erhalten Sie die u.a. Genehmigung im Original:

Genehmigungs Nr.	vom	Typ	Fahrzeug
e4*81/334*92/97*0554*00	28.05.99	JOPEX 94.210S	Porsche Boxster

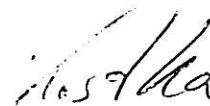
In Kopie haben wir diese Genehmigung auch zur Information an die Firma Weinkath in Bornheim-Kardorf weitergeleitet.

Mit freundlichen Grüßen

Walter Schulz



Raimund Kostka



Anlage

b90601401.doc

<http://www.tuev-kraftfahrt.de>



RDW

Centrum voor voertuigtechniek en informatie

N E D E R L A N D
(THE NETHERLANDS)



EC TYPE-APPROVAL CERTIFICATE

Communication concerning the:

- type-approval
- extension of type-approval
- refusal of type-approval
- withdrawal of type-approval

of a type of vehicle/component/separate technical unit with regard to Directive 70/157/EEC and 81/334/EEC, as last amended by Directive 96/20/EC.

Type-approval number : e4*81/334*92/97*0554*00

Approval mark : e4 03 0554

Reasons for extension :

SECTION I

- 0.1. Make
(trade name of manufacturer) : JOPEX
- 0.2. Type and general commercial
description(s) : 94.210S
- 0.3. Means of identification if marked
on the vehicle/component/separate
technical unit : Not applicable
- 0.3.1. Location of that marking : Not applicable
- 0.4. Category of vehicle : M1
- 0.5. Name and address of manufacturer : DANSK AUTOPART
Hjulmagervej 5
DK-8800 Viborg
- 0.7. In case of components and separate
technical units, location and method
of affixing of EC approval mark : See Annex 1

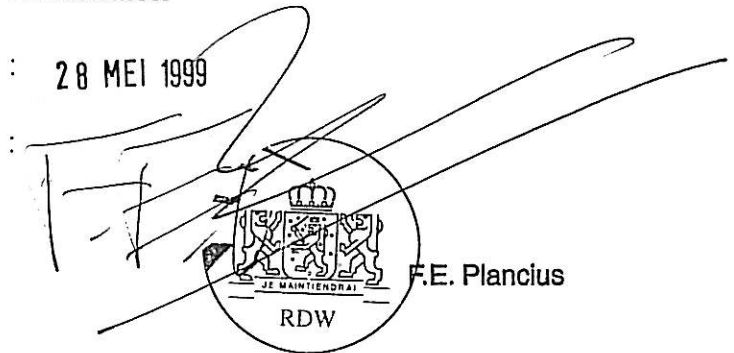


EC type approval number : e4*81/334*92/97*0554*00

0.8. Address(es) of assembly plants : DANSK AUTOPART
Hjulmagervej 5
DK-8800 Viborg

SECTION II

1. Additional information
(where applicable) : See Addendum
2. Technical service responsible
for carrying out the tests : TÜV Kraftfahrt GmbH
D-51105 Cologne
3. Date of the test report : May 05, 1999
4. Number of test report : 93NG0145-00
5. Remarks (if any) : Not applicable
6. Place : Zoetermeer
7. Date : 28 MEI 1999
8. Signature :


F.E. Plancius
RDW

9. The index to the information package lodged with the approval authority, which may be obtained on request:

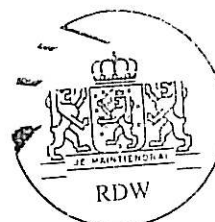
-Information document No. 93ID0145-00 pursuant to Annex I of Council Directive 70/156/EEC relating to EC type-approval of a vehicle with respect to the permissible sound level and exhaust system (Directive 70/157/EEC (and 81/334), as last amended by Directive 96/20/EC) and therein mentioned annexes.

-The test report as mentioned under item 4.

ADDENDUM

to EC type-approval certificate No: **e4*81/334*92/97*0554*00**
concerning the type-approval of exhaust systems for motor vehicles with regard to Directive 70/157/EEC as last amended by Directive 96/20/EC.

1. Additional information
 - 1.1. Composition of the separate technical unit : Absorption/reflexion main-silencer with two straight side-inlet-pipes and two straight central outlet-pipes
 - 1.2. Trade mark or trade name of the type of motor vehicle to which the silencer is to be fitted : See Annex A
 - 1.3. Type(s) of vehicles and its/their type-approval number(s) : See Annex A
 - 1.4. Engine
 - 1.4.1. Type (positive ignition, diesel) : See Annex A
 - 1.4.2. Cycles (two-stroke, four-stroke) : Four-stroke
 - 1.4.3. Total cylinder capacity (88/76/EEC): See Annex A
 - 1.4.4. Rated maximum power (80/1269/EEC) : See Annex A
 - 1.5. Number of gear ratios : 5-speed-manual, 5-speed-automatic
 - 1.6. Gear ratios employed : See Annex B
 - 1.7. Drive-axle ratio(s) : See Annex B
 - 1.8. Sound-level values
 - moving vehicle : See Annex B
 - speed stabilized before acceleration at : See Annex B
 - stationary vehicle : See Annex B
 - 1.9. Variation in back pressure : < + 25%
 - 1.10. Any restrictions in respect of use and mounting requirements : The silencer JOPEX 94.210S may either be mounted with original parts or with other approved separate silencers or pipes.
5. Remarks : The test results are also valid for vehicle types which are mentioned in Annex A and for vehicles equipped with automatic gear boxes.

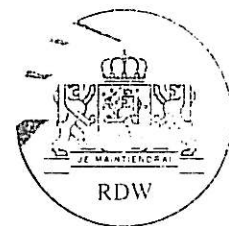


Type : 94.210S
 Manufacturer : DANSK AUTOPART, DK-8800 Viborg

Annex A

Trade mark and type of the motor vehicles to which the silencer-system is to be fitted

Type of vehicle	Trade mark or trade name	Approval-number with regard to vehicle type	Approval-number with regard to sound level	Type of Engine	Total cylinder capacity [cm ³]	Rated Maximum power [kW/min ⁻¹]	From model-year
Engine type: positive ignition							
PORSCHE, Germany							
986	Porsche Boxster - Cabriolet -	e13*96/79 *0020*..	e1*70/157* 96/20*0432*00	M96/20	2480	150/6000	07/96



e4*81/334*92/97*0554*00

Type : 94.210S
 Manufacturer : DANSK AUTOPART, DK-8800 Viborg

Annex B

Measurement results according to Annex II of the Directive 70/157/EEC:

Vehicle

Trade mark or trade name : Porsche Boxster
 Type : 986

Engine

Manufacturer : Porsche
 Model : M96/20
 Rated maximum power : 150 kW at 6000 min⁻¹ (80/1269/EEC)

Transmission

Number of gears : 5-speed-manual
 Drive-axle-ratio : 3,89

Equipment

Exhaust silencer
 Manufacturer : JOPEX
 Type : 94.210S

Tyre size

front : 235/40 ZR18
 rear : 265/35 ZR18

Measurement according to 70/157/EEC in the version 92/97/EEC from 10.11.1992.

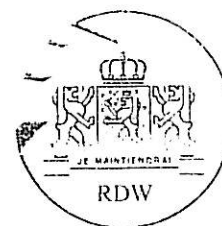
Sound level of moving vehicle:

Measurement results	Left-hand side dB(A)		Right-hand side dB(A)		Position of gear lever stabilised speed
	2.G.	3.G.	2.G	3.G	
1st measurement	-	76	-	76	3rd gear: 50 km/h
2nd measurement	-	76	-	75	
3rd measurement	-	76	-	76	
Test result	75 ¹⁾ dB(A)				
Type approval value	75 dB(A)				

Sound level of stationary vehicle:

	dB(A)	Engine speed
1st measurement	94	4500 min ⁻¹
2nd measurement	95	
3rd measurement	95	
Test result	95 ¹⁾	dB(A)
Type approval value	96	dB(A)

Road conditions : Asphalt, dry
 Weather conditions : 11° C
 Date of test : 11.03.99
 Place of test : Cologne/Germany



e4*81/334*92/97*0554*00

 Same value as original

relating to EC type-approval as a separate technical unit
of exhaust systems for motor vehicles
(Directive 70/157/EEC, as last amended by Directive 96/20/EC)
(Annex II Appendix 1)

93NG0145-00
Anlage/Annex H
Blatt/sheet 1

0. **General**

- 0.1. Make
(trade name of manufacturer) : JOPEX
- 0.2. Type and general commercial
descriptions : 94.210S
- 0.5. Name and address of manufacturer : DANSK AUTOPART
Hjulmagervej 5
DK-8800 Viborg
- 0.7. In case of components and separate
technical units, location and method
of affixing of the EC approval mark: See Annex 1
- 0.8. Addresses of assembly plants : DANSK AUTOPART
Hjulmagervej 5
DK-8800 Viborg

1. **Description of the vehicle for which the device is intended**

- 1.1. Make
(trade name of manufacturer) : See Annex A
- 1.2. Type and general commercial
descriptions : See Annex A
- 1.3. Means of identification of type,
if marked on the vehicle : See Annex A
- 1.4. Category of vehicle : M1
- 1.5. EC type-approval number with
regard to sound level : See Annex A
- 1.6. All the information mentioned in
items 1.1. to 1.5. of the type-approval
certificate concerning the vehicle
(Annex I, Appendix 2 to this
Directive) : See Annex A and B



relating to EC type-approval as a separate technical unit
of exhaust systems for motor vehicles
(Directive 70/157/EEC, as last amended by Directive 96/20/EC)
(Annex II Appendix 1)

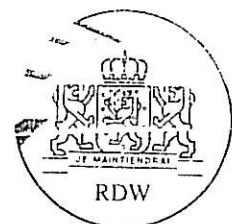
93NG0145-00
Anlage/Annex H
Blatt/sheet 2

2. **Description of the device**

- 2.1. A description of the replacement exhaust system indicating the relative position of each system components, together with mounting instructions : See Annex 1
- 2.2. Detailed drawings of each component, so that they can be easily located and identified, and reference to the materials used. These drawings must indicate the place provided for the compulsory affixing of the EC type-approval mark : See Annex 1

05.05.1999

93ID0145-00



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