

**THE NETHERLANDS
(N E D E R L A N D)****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 a ~~vehicle/component~~/separate technical unit with regard to Directive 81/334/EEC, as last amended by Directive 2006/96/EC.

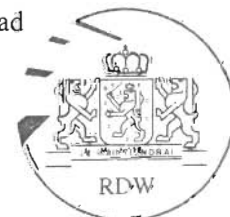
Type-approval number : **e4*81/334*1999/101*2336*00**

Reason for extension :

Approval mark : 032336

SECTION I

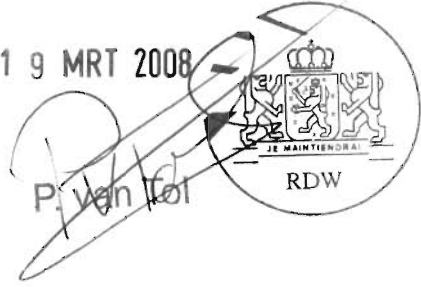
- 0.1. Make (trade name of manufacturer) : Cooper Car Company Ltd
- 0.2. Type and general commercial description(s) : BMW Performance
- 0.3. Means of identification of type, if marked on the ~~vehicle/component~~/separate technical unit ⁽¹⁾ : Metal plate stamped with part number T442.
- 0.3.1. Location of that marking : Metal plate welded to outer silencer shell as shown in information document.
- 0.4. Category of vehicle ⁽²⁾ : M1
- 0.5. Name and address of manufacturer : Cooper Car Company Ltd
Works House, Station Road
East Preston
West Sussex
BN16 3AA
England



Type-approval number: e4*81/334*1999/101*2336*00

- 0.7. In the case of components and separate technical units, location and method of affixing of the EC approval mark : Metal plate welded to outer silencer shell as shown in information document. EC approval mark stamped on the metal plate
- 0.8. Address(es) of assembly plant(s) : Works House, Station Road
East Preston
West Sussex
BN16 3AA
England

SECTION II

1. Additional information (where applicable) : see Information Document
2. Technical service responsible for carrying out the tests : mi Technology Group Ltd
Aston Way
Leyland
PR26 7TZ
England
3. Date of test report : March 2008
4. Number of test report : mi Technology Report Number: RAE0107 A
5. Remarks (if any) :
6. Place :
7. Date : 19 MRT 2008
8. Signature : 
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

⁽¹⁾ If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this type-approval certificate such characters shall be represented in the documentation by the symbol: "?" (e.g. ABC??123??).

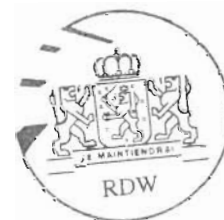
⁽²⁾ As defined in Annex I(A) to Directive 70/156/EEC.

ADDENDUM

to EC type-approval certificate number: e4*81/334*1999/101*2336*00

concerning the separate technical unit type-approval of exhaust systems for motor vehicles with regard to Directive 81/334/EEC, as last amended by Directive 2006/96/EC.

1. Additional information
 - 1.1. Composition of the separate technical unit : Rear Silencer only
 - 1.2. Trademark or trade name of the type(s) of motor vehicle to which the silencer is to be fitted ⁽¹⁾ : BMW 125i
BMW 130i
 - 1.3. Type(s) of vehicle and its/their type-approval number(s) : 187 – N52B30A e13*51R00*51R02*1128*..
 - 1.4. Engine
 - 1.4.1. Type (positive ignition, diesel) : Positive ignition
 - 1.4.2. Cycles: two-stroke, four-stroke : Four-stroke
 - 1.4.3. Total cylinder capacity : 2996cc
 - 1.4.4. Rated maximum engine power : 195 kW at 6650 min⁻¹
 - 1.5. Number of gear ratios : 6 gears Manual Transmission
6 gears Automatic transmission
 - 1.6. Gear ratios employed : 3rd gear Manual Transmission
D Automatic Transmission
 - 1.7. Drive-axle ratios :
 - 1.8. Sound-level values:
 - moving vehicle : 75 dB(A), speed stabilized before acceleration at 50 km/h – Manual Transmission
74 dB(A), speed stabilized before acceleration at 50 km/h – Automatic Transmission
 - stationary vehicle : 91 dB(A), at 4990 min⁻¹
 - 1.9. Variation in back pressure : -51%
 - 1.10. Any restrictions in respect of use and mounting requirements :
5. Remarks:
...



⁽¹⁾ If several types are indicated, items 1.3. to 1.10. inclusive must be completed in respect of each other.



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



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Communication concerning the:

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of a type of a ~~vehicle/component~~/separate technical unit with regard to Directive 81/334/EEC, as last amended by Directive 2006/96/EC.

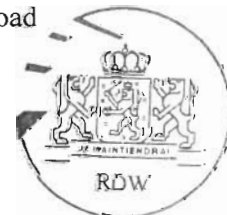
Type-approval number : e4*81/334*1999/101*2337*00

Reason for extension :

Approval mark : 032337

SECTION I



- 0.1. Make (trade name of manufacturer) : Cooper Car Company Ltd
- 0.2. Type and general commercial description(s) : BMW Performance
- 0.3. Means of identification of type, if marked on the ~~vehicle/component~~/separate technical unit ⁽¹⁾ : Metal plate stamped with part number T442.
- 0.3.1. Location of that marking : Metal plate welded to outer silencer shell as shown in information document.
- 0.4. Category of vehicle ⁽²⁾ : M1
- 0.5. Name and address of manufacturer : Cooper Car Company Ltd
Works House, Station Road
East Preston
West Sussex
BN16 3AA
England



Type-approval number: e4*81/334*1999/101*2337*00

- 0.7. In the case of components and separate technical units, location and method of affixing of the EC approval mark : Metal plate welded to outer silencer shell as shown in information document. EC approval mark stamped on the metal plate
- 0.8. Address(es) of assembly plant(s) : Works House, Station Road
East Preston
West Sussex
BN16 3AA
England

SECTION II

1. Additional information (where applicable) : see Information Document
2. Technical service responsible for carrying out the tests : mi Technology Group Ltd
Aston Way
Leyland
PR26 7TZ
England
3. Date of test report : March 2008
4. Number of test report : mi Technology Report Number: RAE0107 A
5. Remarks (if any) :
6. Place :
7. Date : 19 MRT 2008
8. Signature :  
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

⁽¹⁾ If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this type-approval certificate such characters shall be represented in the documentation by the symbol: "?" (e.g. ABC??123??).

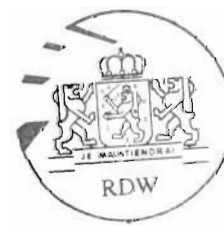
⁽²⁾ As defined in Annex IIA to Directive 70/156/EEC.

ADDENDUM

to EC type-approval certificate number: e4*81/334*1999/101*2337*00

concerning the separate technical unit type-approval of exhaust systems for motor vehicles with regard to Directive 81/334/EEC, as last amended by Directive 2006/96/EC.

1. Additional information
 - 1.1. Composition of the separate technical unit : Rear Silencer only
 - 1.2. Trademark or trade name of the type(s) of motor vehicle to which the silencer is to be fitted ⁽¹⁾ : BMW 135i
 - 1.3. Type(s) of vehicle and its/their type-approval number(s) : 182 – N54B30A - e13*51R00*51R02*1266*..
 - 1.4. Engine
 - 1.4.1. Type (positive ignition, diesel) : Positive ignition
 - 1.4.2. Cycles: two-stroke, four-stroke : Four-stroke
 - 1.4.3. Total cylinder capacity : 2979cc
 - 1.4.4. Rated maximum engine power : 225 kW at 5800 min⁻¹
 - 1.5. Number of gear ratios : 6 gears Manual Transmission
 - 1.6. Gear ratios employed : 3rd gear
 - 1.7. Drive-axle ratios : 3.08
 - 1.8. Sound-level values:
 - moving vehicle : 75 dB(A), speed stabilized before acceleration at 50 km/h – Manual Transmission
 - stationary vehicle : 90 dB(A), at 4350 min⁻¹
 - 1.9. Variation in back pressure : -1%
 - 1.10. Any restrictions in respect of use and mounting requirements :
5. Remarks:
...



⁽¹⁾ If several types are indicated, items 1.3. to 1.10. inclusive must be completed in respect of each other.

**Information document No 1 relating to EC type-approval as
separate technical unit of exhaust systems for motor vehicles
(Directive 70/157/EEC, as last amended by Directive
1999/101/EC).**

Customer	Cooper Car Company Ltd
RDW Reference	VR
Reserved Type Approval Numbers	e4*81/334*1999/101*2336*00 (E8x N52) e4*81/334*1999/101*2337*00 (E8x N54)
mi Technology Reference	RAE0107
Application Date	March 2008

Contents

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Technology Group



0. GENERAL

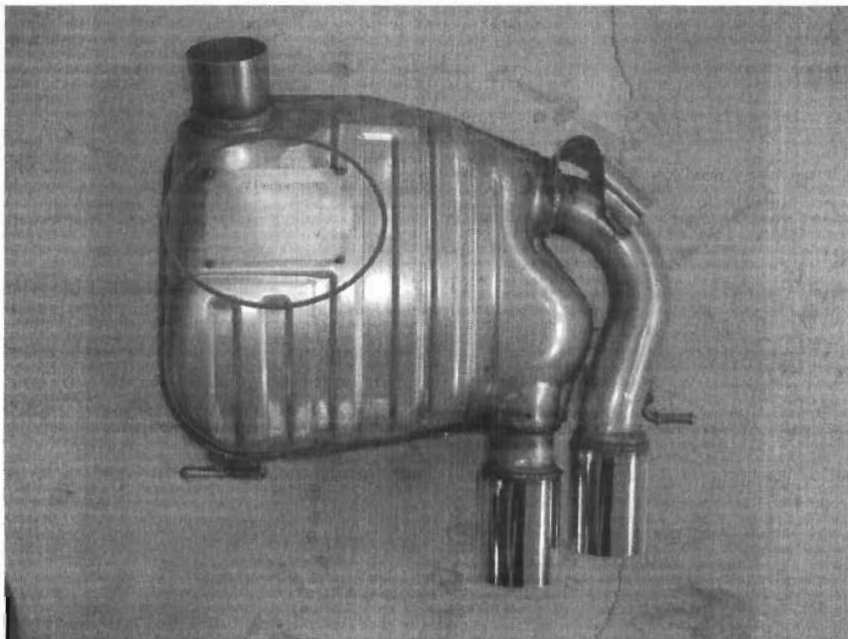
- 0.1. Make (trade name of manufacturer):** Cooper Car Company Ltd
- 0.2. Type and general commercial description(s):** BMW Performance

0.5. Name and address of manufacturer:

Cooper Car Company Ltd
Works House, Station Road
East Preston
West Sussex
BN16 3AA
England

0.7. In case of components and separate technical units, location and method of affixing of the EC approval marks:

The EC approval marks will be stamped on a metal plate welded onto the exhaust silencer outer shell as shown below.



0.8. Address(es) of assembly plant(s):

Cooper Car Company Ltd
Works House, Station Road
East Preston
West Sussex
BN16 3AA
England





Technology Group



1. DESCRIPTION OF THE VEHICLE FOR WHICH THE DEVICE IS INTENDED (if the device is intended to be fitted to more than one vehicle type the information under this point shall be supplied for each type concerned)

1.1. Make (trade name of manufacturer): BMW

1.2. Type and general commercial description(s):

Type	General commercial description
E81/E87/E82/E88 N52	130i
E82/E88 N54	135i

1.3. Means of identification of type, if marked on the vehicle: The commercial description is located on right side of the boot access door.

1.4. Category of vehicle: M1

1.5. EC type-approval number with regard to sound level:

Type	EC type-approval number
187 – N52B30A	e13*51R00*51R02*1128*..
182 – N54B30A	e13*51R00*51R02*1266*..



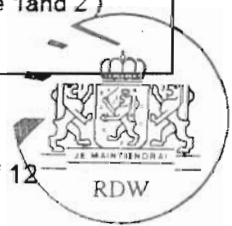


Technology Group



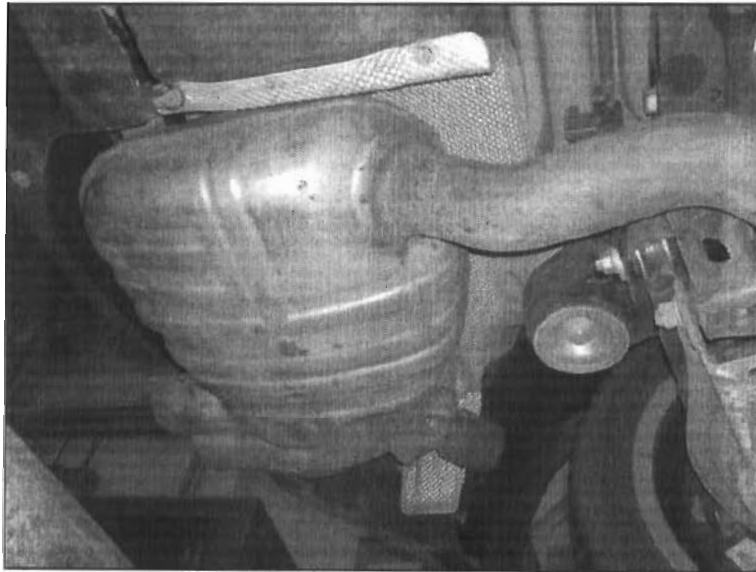
1.6. All the information mentioned in items 1.1. to 1.5. of the type-approval certificate concerning the vehicle:

Vehicle type	187-N52B30A	182-N54B30A
1.2. Engine		
1.2.1. Manufacturer	BMW	BMW
1.2.2. Type	N52B30A	N54B30A
1.2.3. Model	6 in line	6 in line
1.2.4. Rated maximum power (kW @ min ⁻¹)	160 @ 6100 (125i) 195 @ 6650 (130i)	225 @ 5800
1.3. Transmission	Manual / Automatic	Manual
1.3.1. Number of gears	6 / 6	6
1.4. Equipment		
1.4.1. Exhaust silencer		
1.4.1.1. Manufacturer	BMW	BMW
1.4.1.2. Model	1. Catalyst: catalyst 2. Front silencer: not applicable 3. Middle silencer: reflection 4. Rear silencer: absorption/reflection	1. Catalyst: catalyst 2. Front silencer: not applicable 3. Middle silencer: reflection 4. Rear silencer: absorption/reflection
1.4.1.3. Type	1. Catalyst: 7 530 587, 7 530 585, 7 550 560 7 506 085, 7 506 083, 7 550 559 2. Front silencer: Not applicable 3. Middle silencer: 7 541 996 4. Rear silencer: 7 541 997	1. Catalyst: 7 564 948, 7 566 475 underbody cat. 7 553 622, 7 566 474 precatalyst 2. Front silencer: Not applicable 3. Middle silencer: 7 559 997 Rear silencer: 7 559 996
1.4.2. Intake silencer		
1.4.2.1. Manufacturer	BMW	BMW
1.4.2.2. Model	Dry paper element	Dry paper element
1.4.2.3. Type	7 536 006	7 556 961
1.5. Tyre size		
1.5.1. Description of tyre type used for type-approval testing	205/50 R17 (axle 1) 225/45 R17 (axle 2)	205/45 R18 (axle 1 and 2)



2. DESCRIPTION OF THE DEVICE

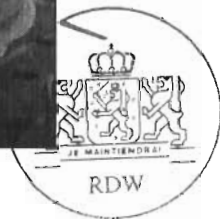
- 2.1. A description of the replacement exhaust system indicating the relative position of each system component, together with mounting instructions:** Mounting is as the standard system for both N52 and N54 versions. For N52 the rear muffler only is supplied. For N54 the rear muffler is supplied with a Y section replacing the standard centre muffler. See attached photos.



E8x N52 – Standard rear silencer

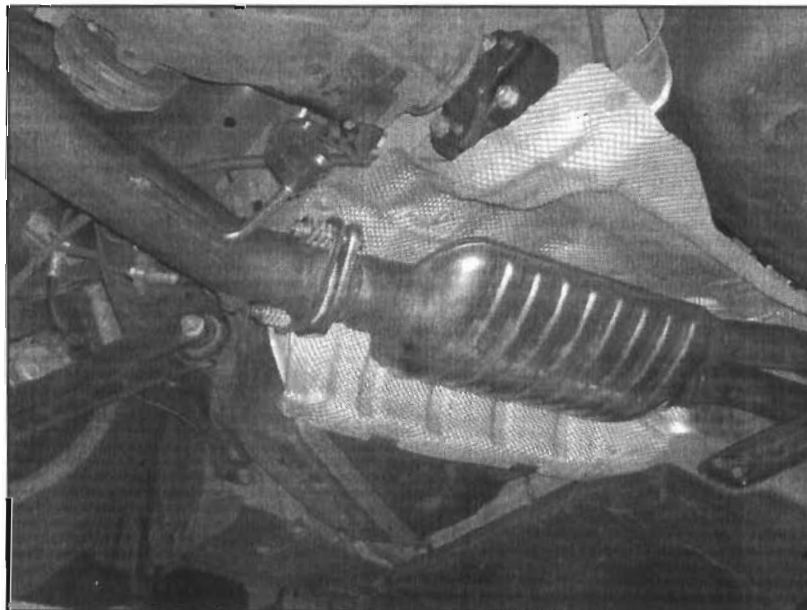


E8x N52 – Replacement rear silencer



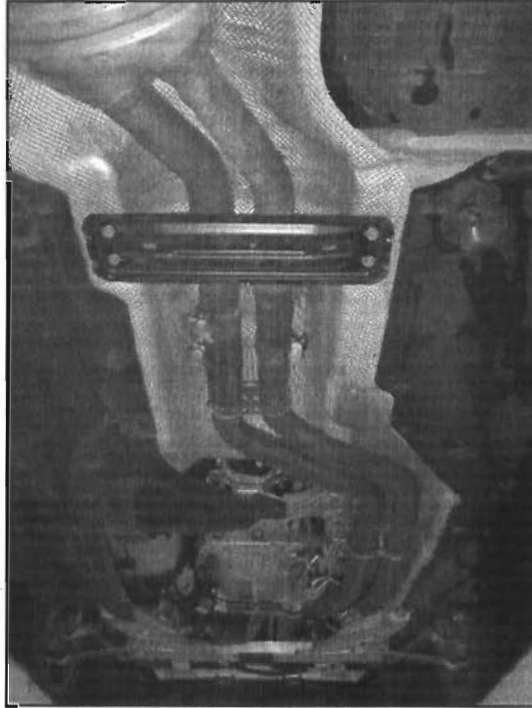


E8x N52 – Standard intermediate silencer

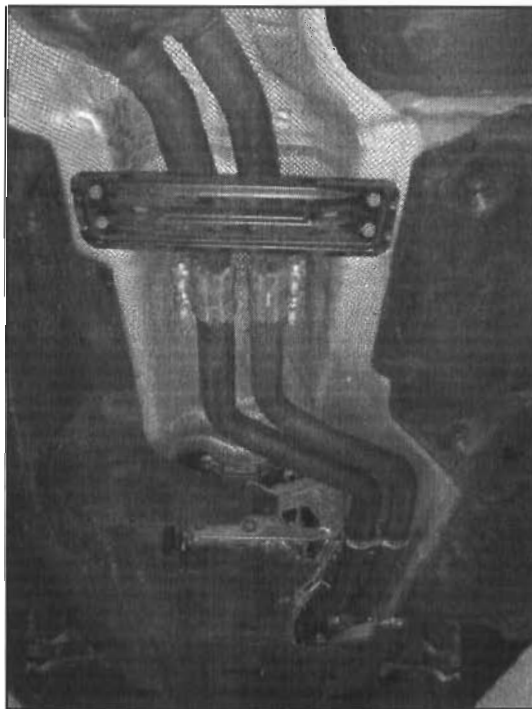


E8x N52 – Replacement intermediate silencer (SAME AS STANDARD SYSTEM)



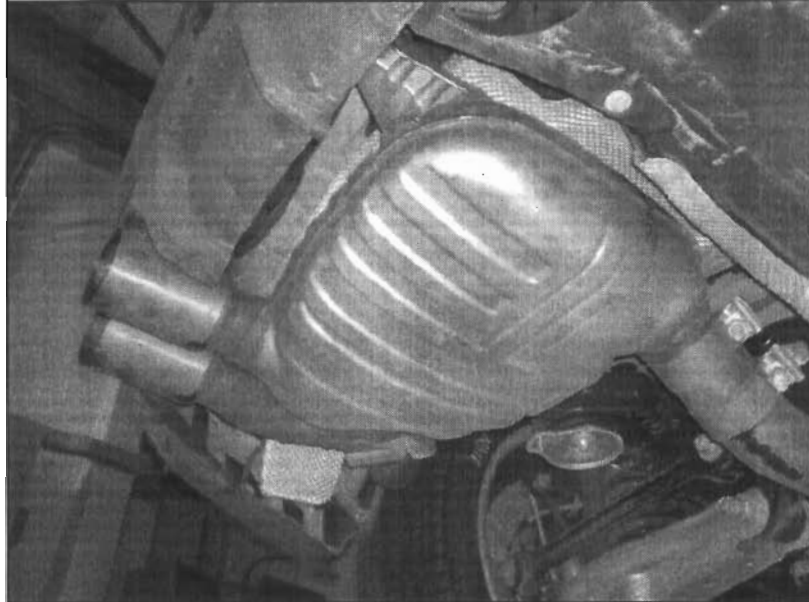


E8x N52 – Standard exhaust system

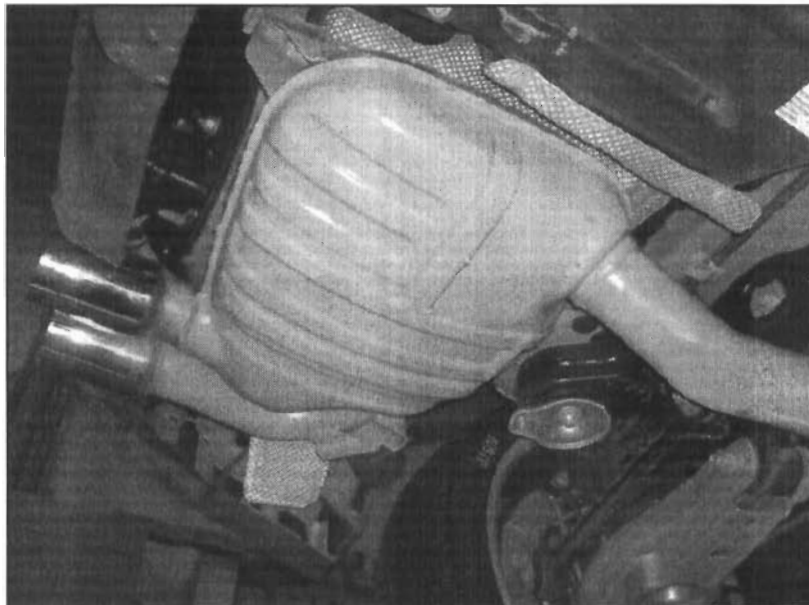


E8x N52 – Replacement exhaust system (SAME AS STANDARD SYSTEM)





E8x N54 – Standard rear silencer



E8x N54 – Replacement rear silencer



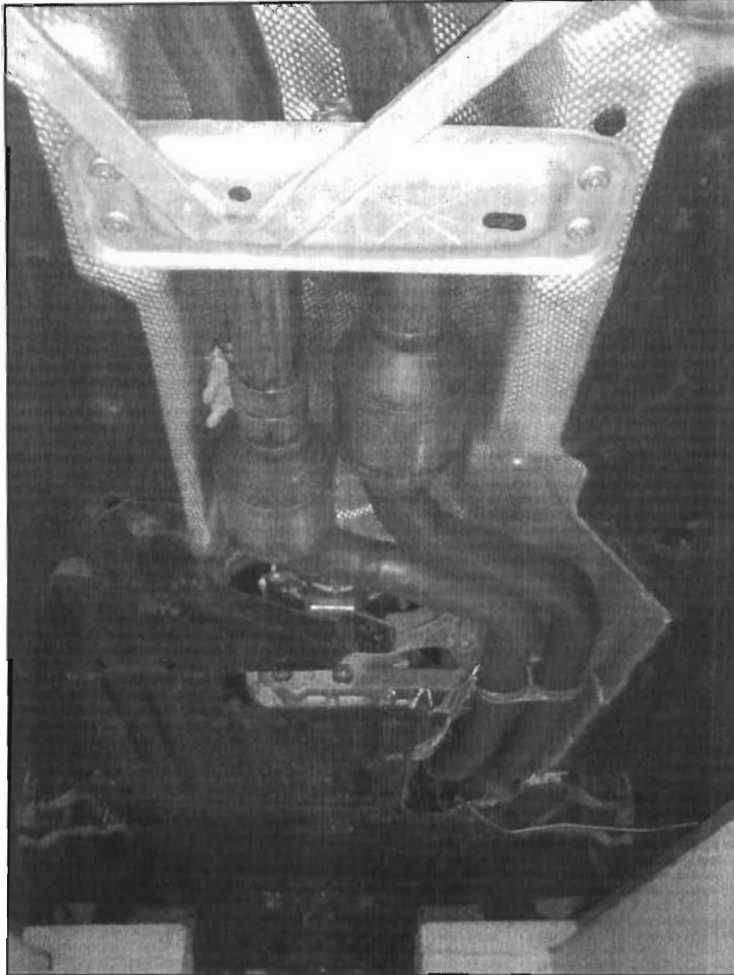


E8x N54 – Standard intermediate silencer



E8x N54 – Replacement exhaust system (Y-PIECE INSTEAD OF INTERMEDIATE SILENCER)

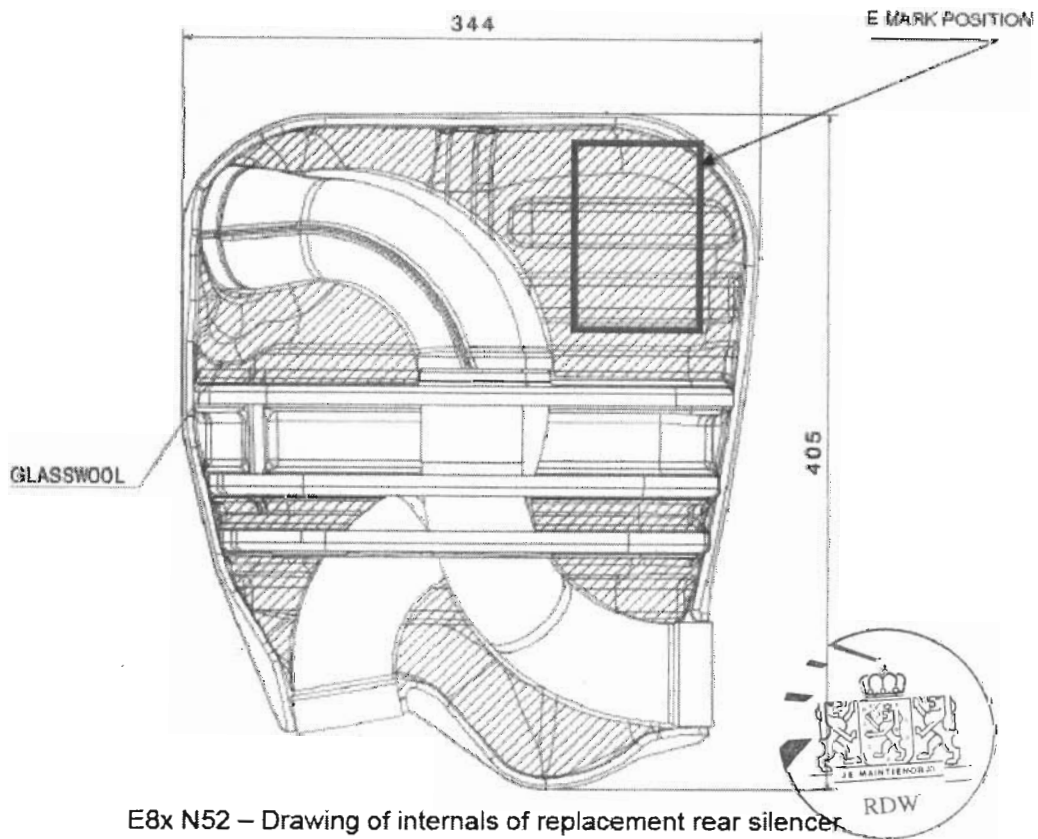
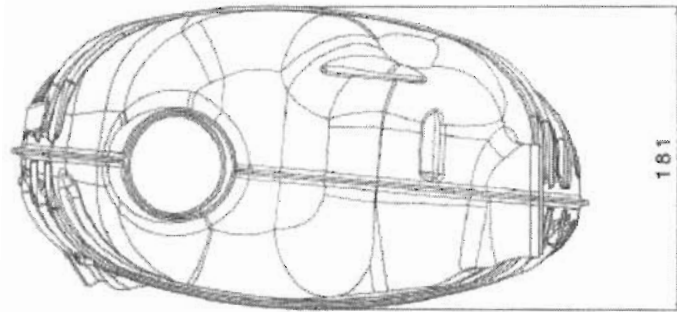




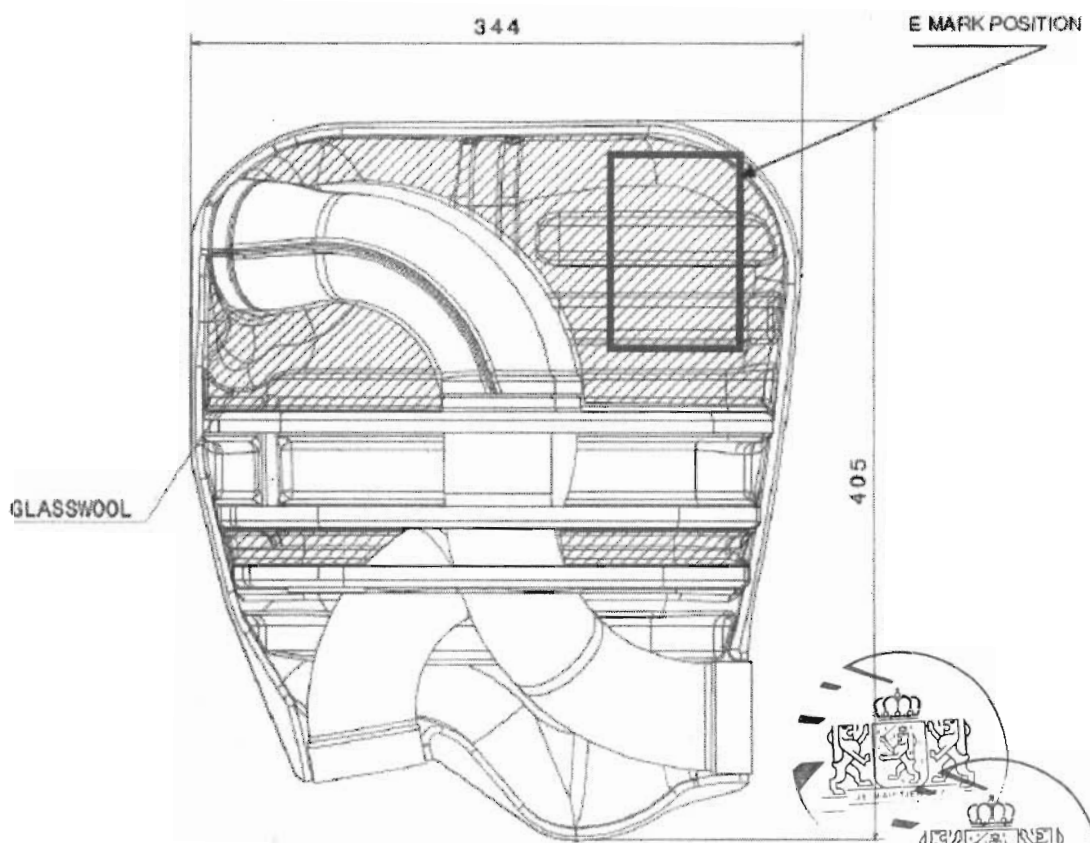
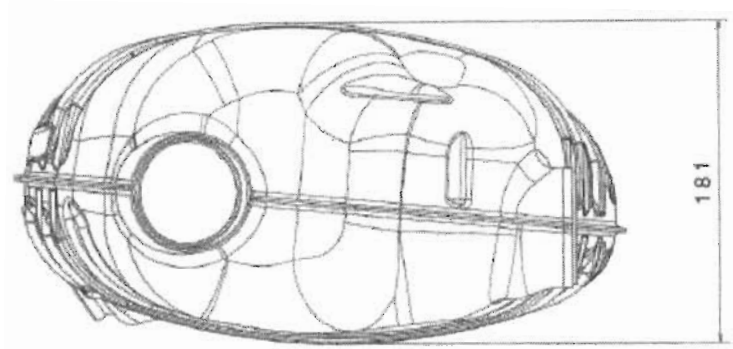
E8x N54 – Front section of exhaust system (IDENTICAL BETWEEN STANDARD AND REPLACEMENT EXHAUST SYSTEM)



- 2.2. Drawings of each component, so that they can easily be located and identified. These drawings must indicate the place provided for the compulsory affixing of the EC type approval mark:



E8x N52 – Drawing of internals of replacement rear silencer



E8x N54 - Drawing of internals of replacement rear silencer