
Part Appraisal No.: 16-00075-CC-BWG-03
Manufacturer: C.F. Maier Europlast GmbH & Co KG
Type: SCA 188/189

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PART APPRAISAL

No. 16-00075-CC-BWG-03

concerning the conformity of a vehicle with specifications in case of insertion or attachment of parts according to specification, pursuant to § 19 Sect. 3 No. 4, in association with Enclosure XIX StVZO

for the part / : **Sleep-space roof with reinforcement frames**
the scope of change

of type : SCA 188/189

of the manufacturer : C.F. Maier Europlast GmbH & Co KG
89551 Königsbrunn

0. Notes for the car owner

Immediate implementation and confirmation of the change acceptance:

As a result of the change, the operating permit of the vehicle may become void, if the change acceptance stipulated in StVZO § 19 para. 3 is not implemented and confirmed immediately or stipulated conditions are not met!

After the implementation of the technical change, with presentation of the existing part appraisal, the vehicle is to be immediately presented to an officially accredited expert or to a tester of a technical testing authority or a test engineer of an officially accredited monitoring organisation, for the implementation and confirmation of the prescribed change acceptance.

Compliance with notes and conditions:

The notes and conditions listed under III. and IV. must be considered in this case.

Carrying documents:

After the implemented acceptance, the verification, with the confirmation about the change acceptance with the vehicle registration papers, is to be carried along and indicated to responsible persons on request; this is dispensed with after amendment of the vehicle registration papers has been implemented.

Amendment of the vehicle registration papers:

The amendment of the vehicle registration papers by the responsible licensing authority is to be applied for by the car owner, according to the stipulation in the change acceptance.

Further stipulations are to be taken from the change acceptance.

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I. Scope

Vehicle manufacturer	Type / Model	Trade name	ABE No. / EG-BE NO.
Opel	F7 / Model F: Box van Model J: Station wagon	Vivaro-B	from e1*2007/46*0575*13
	X83 / Model W: Combi Van Model J: Combi	Vivaro-B	from e1*98/14*0170*32
Renault	L / Box van	Trafic	from e2*2007/46*0014*22
	JL / Kombi	Trafic	from e2*98/14*0213*50

The utilisation area applies for vehicles with long (3498 mm) wheelbase

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II. Description of the part / the scope of change

Type	:	SCA 188/189
Model	:	For wheelbase 3,498 mm (length)
Trade name	:	Sleep canopy roof SCA 188/189
Identification:	:	Manufacturer's address and serial number
Type	:	Adhered type plate
Location	:	to the left and right at the rear of the roof shell
Technical data / description	:	
Type of conversion	:	Front (SCA 188) or optional rear (SCA 189) sleeping canopy roof, for retrofitting to passenger cars in conjunction with a firmly riveted metal reinforcement frame.
Description and installation	:	For the vehicles listed under I., a metal reinforcement frame (article no. 173361) distributed by C.F.Maier is riveted on after the roof has been removed. On this, the frame of the raise-up roof is bonded. The installation is implemented in accordance with enclosed assembly instructions.
Material		
Reinforcement frame	:	Welded construction of St 37 structural steel
Sleep canopy roof and spoiler	:	Glass-fibre-reinforced polyester resin (GFRP) with surface covering
Lift arm assembly:	:	powder coated stainless steel
Vehicle dimensions	:	The attachment of the raise-up roof changes the height of the vehicle to approx. 2000 mm. It must be measured again on acceptance.
Vehicle weight	:	The new dead weight must also be determined with the acceptance. It is increased by approx. 100 kg.

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III. Notes on the combinability with further changes

Combinations with further conversions were not examined and require a separate evaluation pursuant to § 19(2) StVZO, in association with § 21 StVZO.

IV. Notes and conditions

Conditions for the manufacturer / installation operation: None

Notes and conditions relating to the attachment

- Installation must be carried out in accordance with the installation instructions of C. F. Maier.

Notes and conditions for the change acceptance

- The fixing and alignment of the sleep-space roof is to be checked. For this, the vehicle should be first presented without roof interior panelling.
- The bonded joint of the GFRP frame is to be checked.
- Height and dead weight of the vehicle are to be newly determined.

Notes and conditions for the car owner:

- Driving on public roads allowed only with completely closed and secured roof.

Amendment of the vehicle registration papers:

An immediate amendment of the vehicle registration papers is necessary.

The following wording for the registration is proposed:

<i>Field</i>	<i>Designation/Remark</i>	<i>Registration</i>
<i>G</i>	<i>Empty mass in kg</i>	<i>xxxx</i>
<i>20</i>	<i>Height in mm</i>	<i>xxxx</i>
<i>22</i>	<i>Remarks & exceptions, conditions</i>	WITH SLEEPING CANOPY ROOF TYPE SCA 18, BY THE CO. C.F. Maier, ID. A. STICK-ON LABEL BY SERIAL NUMBER XXXXXX* CONDITION ISSUED: DRIVING ON PUBLIC ROADS IS ONLY ALLOWED WHEN THE ROOF IS COMPLETELY CLOSED*

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V. Testing bases and test results

- Material : The material properties were tested by TÜV Südwest e.V with regard to fracture behaviour and flammability, with positive results.
(Expert Appraisal No. 1810051849).
- Attachment test : Verification of the attachment by means of the installation directive.
- Driving characteristics : A negative influencing of the driving characteristics is not to be expected.
- Hazard of injury : The requirements of StVZO §30, as well as to Regulation ECE-R 21 concerning the interior equipment, are met after proper installation of the interior panelling.

VI. Enclosures

- Assembly instruction (17 pages)

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VII. Final certificate

It is certified that the vehicles described in the utilisation area, after the change and the implemented and confirmed change acceptance, subject to observation of the references / conditions designated in this part appraisal, correspond in this respect to the specifications of StVZO in the currently valid version.

The manufacturer (**owner of the part appraisal**) has provided the verification (Reg. No. 80115040/1 / Dekra ») that he maintains a quality assurance system in accordance with Annex XIX, Section 2 StVZO.

The part appraisal includes sheets 1-6, plus the enclosures listed under VI and may only be duplicated and transferred in full.

The part appraisal loses its validity in case of technical changes to the vehicle part, or if changes carried out to the described motor vehicle type influence the utilisation of the part, as well as in case of amendments to laws.

Designated as Technical Service by:

Genehmigungsbehörde / Approval authority	Land / Country	Registrienummer / Registration-number
Kraftfahrt-Bundesamt (Federal Office for Motor Vehicles) (KBA)	Deutschland/ Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006
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 Centre (VSCC)	Taiwan/ Taiwan	DE04-06-2
Société Nationale de Certification et d'Homologation s.à r.l.	Luxemburg	Société Nationale de Certification et d'Homologation s.à r.l.

Munich, 29.04.2019
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Technischer Dienst
Technical Service
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TÜV SÜD Auto Service GmbH

Dipl. Eng. (FH) R. Meyer-Rauter
Officially recognised expert for motor vehicle traffic