

TEST REPORT

Concerning the rear underrun protection of motor vehicles in accordance with
ECE Regulation R58.03, supplement 2

Test report number : **RDW-58R-0101894**

0.1. Make : Volkswagen, VW

0.2. Type : SKT

0.4. Category of vehicle : M1 (SH; Wheelchair accessible vehicle)

0.5. Name and address of the manufacturer : Tripod Mobility B.V.
Collseweg 10
5674 TR Nuenen
The Netherlands

General : The rear underrun protection/vehicle complies with the requirements laid down in:
- Paragraph 2 of the above-mentioned ECE Regulation.
See documentation: "SKT-2018/858-00044", dated: 16 July 2021

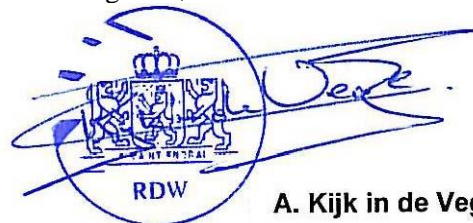
Tests : The tests have been carried out in accordance to Part ~~IV~~/III of the above-mentioned ECE Regulation.
See page 2 to 5.

Conclusion : The type of vehicle/~~RUPD/Installation~~ does/~~does not~~ comply with the requirements and there ~~are~~/are no objections against approval according the above-mentioned ECE Regulation.

Tests conducted on : 9 February 2021

By : C.A.M. Konings, A. Kijk in de Vegte

Zoetermeer (NL), 16 July 2021
The test engineer,



A. Kijk in de Vegte

List of contents

	Page
Reason for testing	see below
List of attached diagrams	2
Reason for testing	2
Worst case selection	2
Remarks	2
General test information	3
Specifications of the test vehicle	3
Used test equipment	3
General requirements	4
PART III. Approval of a vehicle with regard to its Rear Underrun Protection (RUP)	5

List of attached diagrams

	Diagrams
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Reason for testing

1st Stage vehicle modified to Wheelchair accessible vehicle.

Explanation of modification(s)

The base vehicle (acc. e13*2018/858*00002*??) has been modified to a wheelchair accessible vehicle with a lowered floor and ramp. A section, of the rear bumper, at the location of the lowered floor has been modified.

Worst case selection

Single selected vehicle covers all variant/versions..

Remarks

For all not by the modification effected items see approval(s)/ test report(s) listed in stage 1 approval. Relevant data and approval(s) valid for donor vehicle and completed vehicle if applicable:

<u>Make</u>	<u>Type</u>	<u>Approval</u>
Volkswagen, VW	SK	e13*2018/858*00002*??

General test information

Test conducted by : C.A.M. Konings, A. Kijk in de Vegte
Place : Tripod, Nuenen, The Netherlands
Date : 9 February 2021

Specifications of the test vehicle

Make and type of the vehicle : Volkswagen, VW SKT
Type of bodywork and number of doors : AC, 5-door
Vehicle category : M1 (SH; Wheelchair accessible vehicle)
Vehicle Identification Number : WV2ZZZSKZMX001396
Hand of drive : LHD
Type of suspension : spring coils

Used test equipment

Item	Identification number (make and type)	Calibration papers available
Tape measure (Class II)	--	N/A

2. **General requirements**

- 2.1. All vehicles shall be so constructed and/or equipped as to offer effective protection over their whole width against under-running of vehicles mentioned in paragraph 1. of this Regulation in the event of rear collision with vehicles of category M1 and N1 : ~~pass/fail~~
- 2.2. The vehicle shall be tested under the following conditions :
- The vehicle shall be at rest on a level, flat, rigid and smooth surface : ~~pass/fail~~/N/A
 - The front wheels shall be in the straight-ahead position : ~~pass/fail~~/N/A
 - The tyres shall be inflated to the pressure recommended by the vehicle manufacturer : ~~pass/fail~~/N/A
 - Vehicles equipped with hydropneumatic, hydraulic or pneumatic suspension or a device for automatic levelling according to load shall be tested in the normal running condition specified by the manufacturer : ~~pass/fail~~/N/A
- 2.3. Any vehicle in one of the categories M1, M2, M3, N1, O1 or O2 shall be deemed to satisfy the condition set out above if it meets one of the requirements :
- (a) If it satisfies the same conditions as set out in Part II or Part III : ~~pass/fail~~/N/A
 - (b) If the ground clearance of the rear part of the unladen vehicle does not exceed 550 mm over a width which is not shorter than that of the rear axle by more than 100 mm on either side (excluding any tyre bulging close to the ground) : ~~pass/fail~~/N/A
 - (c) If, in case of vehicles of categories O1 and O2 where the tyres project for more than half of their width outside the bodywork (excluding the wheel guards) or outside the chassis in the absence of bodywork, the ground clearance of the rear part of the unladen vehicle does not exceed 550 mm over a width which is not less than 100 mm deducted from the distance measured between the innermost points of the tyres (excluding any tyre bulging close to the ground), on either side : ~~pass/fail~~/N/A
- Where there is more than one rear axle, the width to be considered is that of the widest : ~~pass/fail~~/N/A
- The requirements of paragraphs 2.3.(b) and 2.3.(c) above shall be satisfied at least on line:
- (a) At a distance of not more than 450 mm from the rear extremity of the vehicle : ~~pass/fail~~/N/A
 - (b) That may have interruptions totalling not more than 200 mm. : ~~pass/fail~~/N/A

- 2.4 Any vehicle of category G will be deemed to satisfy the condition for the ground clearance set out above, if the departure angle (ISO 612:1978) does not exceed: : ~~pass/fail~~/N/A
- (a) 10° for vehicles of categories M1G and N1G : --
- (b) 20° for vehicles of categories M2G and N2G : --
- (c) 25° for vehicles of categories M3G and N3G : --
- over a width which is not shorter than that of the rear axle by more than 100 mm on either side (excluding any bulging of the tyres close to the ground). : --
- Where there is more than one rear axle, the width to be considered is that of the widest. The requirements of subparagraphs (i) to (iii) of this paragraph shall be satisfied at least on a line:
- (a) At a distance of not more than 450 mm from the rear extremity of the vehicle; : --
- (b) That may have interruptions summing up in not more than 200 mm. : --

PART III. Approval of a vehicle with regard to its Rear Underrun Protection (RUP)

24. The vehicle submitted for approval pursuant to this Regulation shall meet the requirements of paragraph 2.3.(b) or paragraph 2.3.(c), or paragraph 25 and shall be tested following the conditions set out in the appendix : requirements acc. to paragraph 2.3b are met