

TEST REPORT

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

Test report number : **RDW-58R-0094208**

0.1. Make : Tripod

0.2. Type : ETP / ETO / ETT

0.4. Category of vehicle : M1 (SH)

0.5. Manufacturer's name and address : 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: ETP-2007/46-1347 dated: 7 January 2019
ETO-2007/46-1348 dated: 7 January 2019
ETT-2007/46-0001 dated: 10 February 2020

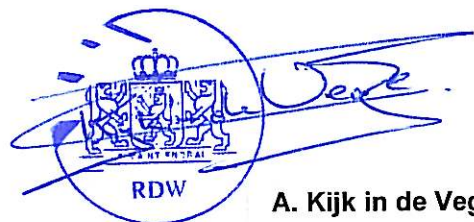
Tests : The tests have been carried out in accordance to Part I/H/III of the above-mentioned ECE Regulation.
See page 2 to 4.

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 : 5 September 2018

By : B. Smits

Zoetermeer, 20 May 2020,
The test engineer,



A. Kijk in de Vegte

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List of attached diagrams

Subject	Diagram number
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Reason for testing

- 2nd stage vehicle modified to a wheelchair accessible vehicle (SH), with a lowering of the floor.
- Adding type ETT (without additional testing)

Remarks

For the transport of disabled persons in a wheelchair the vehicle has a lowering in the floor behind the front seat row to the rear part of the vehicle.

For the access of a wheelchair passenger a foldable ramp is present. For this purpose the OEM rear underrun protection has been modified. The bumper section at the location of the lowered floor has been changed slightly. See information document.

The rear part of the vehicle is so designed and /or equipped that it is fulfilling the function of the rear underrun protection. The protection is performed by the modified OEM rear bumper in combination with the rear part of the floorplan as well as the right and left side members and the tailgate.

The ground clearance of the rear part of the unladen vehicle does not exceed 550 mm over the width of the vehicle less than 100 mm on both sides measured 450 mm from the rear extremity of the vehicle.

The other test results from the 1st stage approval remain valid.

For all other items see test reports listed in stage 1 approval.

Relevant approval(s) valid for donor vehicle and completed vehicle if applicable:

<u>Make</u>	<u>Type</u>	<u>Approval</u>
Peugeot/Citroen	E (K9G)	e2*2007/46*0624*...
Opel/Vauxhall	E (P1VO)	e2*2007/46*0622*...
Toyota	E (K9T)	e2*2007/46*0685*...



General information of tested vehicle / RUPD

Make and type of the vehicle / RUPD	Tripod ETP / ETO / ETT
Vehicle category (intended)	M1 (SH)
Type of suspension	spring coils
Specific vehicle	variant/version: CYHYC/A2F000
Vehicle Identification Number (if applicable)	W0VECYHYCKJ522395
Worst case selection	N/A
Test conducted by	B. Smits
Place	Nuenen, the Netherlands
Date	5 September 2018

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
- 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
 - The front wheels shall be in the straight-ahead position : pass
 - The tyres shall be inflated to the pressure recommended by the vehicle manufacturer : pass
 - 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 : 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 : 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
 - (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 : N/A
- Where there is more than one rear axle, the width to be considered is that of the widest : 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

(b) That may have interruptions totalling not more than 200 mm. : 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: : 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

25. **Requirements for RUP (Rear Underrun Protection): N/A**

