

THE NETHERLANDS

TEST REPORT

Concerning the door latches and door retention components of motor vehicles in accordance with ECE Regulation number 11.04 Supplement 2.

Test report number : RDW-11R-0123067

0.1. Make : Renault / Mercedes-Benz / Nissan

0.2. Type : XFKT

0.3. Category of vehicle : M1-SH

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

General : The vehicle type as described in the document below has been inspected in accordance with the requirements laid down in the above-mentioned Regulation. See documentation: XFKT-2018/858-00116, dated 28 November 2022

Tests : The tests have been carried out according to the above-mentioned Regulation. The tested system/component/separate technical unit is representative in terms of the type to be approved.

Conclusion : The type of vehicle does/~~does not~~ comply with the stated requirements of the above-mentioned Regulation.

Tests conducted on : 22 June 2022

By : C.A.M. Konings

Zoetermeer (NL), 28 November 2022
The test engineer,



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Reason for testing

1st Stage vehicle modified to Wheelchair accessible vehicle.

Explanation of modification(s)

The base vehicle has been modified to a wheelchair accessible vehicle with a lowered floor. With regard to the hinges and door locking system no changes by the modification. By the modification the wheelchair ramp is having an automatic locking system with latch and sticker at both sides. On the wheelchair ramp structure, the original striker of the back door is mounted. The back door locking system is carry-over from 1st stage approval.

Worst case description

According TAAM decision only 30g calculation of the locking mechanism of the wheelchair ramp is applicable; no additional testing required.

General information of representative test object

Make and type of the vehicle : Renault / Mercedes-Benz / Nissan XFKT
Vehicle category : M1-SH
Type of bodywork : AF (SH)
Number of side doors : 4
Number of back doors : 1

General test information

Inspected by : C.A.M. Konings
Place : Nuenen (NL)
Date : 22 June 2022

Used test equipment

Item	Required accuracy	Identification
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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>
Renault	RFK	e2*2018/858*00001*..
Mercedes-Benz	MFK	e2*2018/858*00014*..

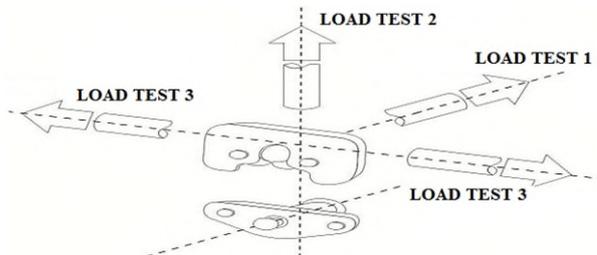


5. General requirements

- 5.1. All side and back doors and door components shall meet the requirements below ⁽¹⁾ : see below
- 5.2. Door latches
- 5.2.1. Each hinged door system shall be equipped with at least one primary door latch system : see 1st stage approval
- 5.2.2. Each sliding door system shall be equipped with either:
 - (a) A primary door latch system, or : see 1st stage approval
 - (b) A door latch system with a fully latched position and a door closure warning system : see 1st stage approval

6. Performance Requirements

6.1. Hinged doors



- 6.1.1. Load test 1 : see 1st stage approval
- 6.1.2. Load test 2 : see 1st stage approval
- 6.1.3. Load test 3 ⁽²⁾ : see 1st stage approval
- 6.1.4. Inertial load
 - Each primary door latch system and auxiliary door latch system shall be tested for inertia load
 - Dynamic tests ⁽³⁾ : N/A
 - 6.1.4.1. In the directions parallel to the vehicle's longitudinal and transverse axes : --
 - 6.1.4.2. In the direction parallel to the vehicle's vertical axis ⁽³⁾ : --



⁽¹⁾ except for those on folding doors, roll-up doors, detachable doors, and doors that are designated to provide emergency egress

⁽²⁾ only applicable to doors that open in a vertical direction

⁽³⁾ Acceleration Pulse corridor in accordance with table 4-1 of Annex 4

- 6.1.4.3. Calculation for resistance to inertia load : applicable for wheelchair ramp
- For spring forces the average of the minimum spring output in the installed position and the minimum spring output in the release position shall be considered in the calculations : pass
- Friction effects and work to be done shall not be considered in the calculations : pass
- Gravitational pull on components may be omitted if it tends to restrict unlatching : pass
- Result of inertia load:
- The door latch system shall not disengage from the fully latched position : pass
(see attachment 1)
- 6.1.5. Door hinges : see 1st stage approval
- 6.2. **Sliding doors** : see 1st stage approval
- 6.3. **Door locks** : see 1st stage approval



Attachment 1

Calculation for resistance to inertia load (extraction of information document mentioned on page 1)

