RESS-6-14

RESS mechanical integrity test structure
6.4.2 Mechanical Integrity

6.4.2.1 Vehicle based test

6.4.2.1.1 Vehicle based dynamic test
Crash test acc. ECE-R94/95

6.4.2.1.2 Vehicle based static test
- static test using contact force acc. ECE-R94/95
- using vehicle structure

No vehicle installation limitations

vehicle allowed
6.4.2 Mechanical Integrity

6.4.2.1 Vehicle based test

6.4.2.1.1 Vehicle based dynamic test
Crash test acc. ECE-R94/95

6.4.2.1.2 Vehicle based static test
- static test using contact force acc. ECE-R94/95
- using vehicle structure

No vehicle installation limitations

---

6.4.2.1 Component based test

\[ F_{\text{max}} = 100 \text{ kN} \]

Vehicle installation limitations

---

Vehicle not allowed

Allowed (100 kN)
6.4.2 Mechanical Integrity

6.4.2.1 Vehicle based test
- 6.4.2.1.1 Vehicle based dynamic test
  - Crash test acc. ECE-R94/95
- 6.4.2.1.2 Vehicle based static test
  - static test using contact force acc. ECE-R94/95
  - using vehicle structure

No vehicle installation limitations

6.4.2.1 Component based test

F_{\text{max}} = 100 \text{ kN}

Vehicle installation limitations

Vehicle installation limitations

“safety zone”

No contact force (inertial load only)
Component based integrity test

Definition of « Forbidden Zone » & « Safe Zone »

REESS mechanical integrity test