

**Draft proposal on device to break the glass of emergency windows  
20210209\_Devicetobreaktheglass\_D\_FR.docx**

7.6.8. Technical requirements for emergency windows.

7.6.8.1. Every hinged or ejectable emergency window shall open outwards. Ejectable types shall not become totally detached from the vehicle when operated. The operation of ejectable windows shall be such that inadvertent ejection is effectively prevented.

7.6.8.2. Every emergency window shall either:

7.6.8.2.1. Be capable of being easily and instantaneously operated from inside and from outside the vehicle by means of a device recognised as satisfactory. This provision includes the possibility of using e.g. panes of laminated glass or plastic material,

or

7.6.8.2.2. Be made of ~~readily breakable safety~~ **toughened** glass. This latter provision precludes the possibility of using panes of laminated glass or of plastic material. An **easy-to-operate** device **for breaking the glass** shall be provided **[irremovably-permanently-integrated]** **fixed** adjacent to **or on** each emergency window, readily available to persons inside the vehicle, ~~to ensure that each window can be broken.~~ **The glass pane or glass panes shall break after a single positive action of a person operating the device so that the emergency window can easily be removed. The technical service shall verify by testing the operation of the device.**

**To ensure a good visibility of the device for breaking the glass and to avoid unintended operation, each device shall be positioned in the upper third of the height of the window surface and shall be marked [in red - in red fluorescent - photoluminescent according to 7.6.11.3.]**

**In case the implementation of the device is not technically compatible with the positional requirements above, the device can be located adjacent or affixed on to each emergency window. However, at the time of the Type Approval, the manufacturer shall demonstrate to the satisfaction of the Technical Service the following points :**

- **Analysis conducted to determine the location of the device**
- **Definition of the measures put in place to prevent unintended use**

**These evidences shall be verified by the Technical Service during the approval process.**

~~The device for breaking the glass for the emergency windows at the rear of the vehicle shall be positioned either centrally above or below the emergency window or, alternatively, a device shall be positioned adjacent to each end of the window.~~

7.6.8.3. Every emergency window which can be locked from the outside shall be so constructed as to be capable of being opened at all times from inside the vehicle.

7.6.8.4. If the emergency window is of a type horizontally hinged at the top edge, an appropriate device shall be provided to hold it fully open. Every hinged emergency window shall operate so as not to obstruct clear passage from inside or outside the vehicle.

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7.6.9. Technical requirements for escape hatches.

[...]

7.6.9.5. Escape hatches shall be capable of being easily opened or removed from the inside and from the outside. However, this requirement shall not be construed as precluding the possibility of locking the escape hatch for the purpose of securing the vehicle when unattended, provided that the escape hatch can always be opened or removed from the inside by the use of the normal opening or removal mechanism. In the case of a ~~readily-breakable~~ **toughened glass** hatch, a device shall be ~~provided~~ **[irremovably-permanently-integrated] fixed** adjacent to **or on** the hatch, readily available to persons inside the vehicle. **The glass pane or glass panes shall break after a single positive action of a person operating the device so that the hatch can easily be removed. The technical service shall verify by testing the operation of the device.**

**To ensure a good visibility of the device for breaking the glass, it shall be marked [in red - in red fluorescent - photoluminescent according to 7.6.11.3.]**