



Nutzfahrzeuge

Body assembly guidelines Volkswagen Nutzfahrzeuge

The Caddy

The following pages contain technical guidelines for custom body manufacturers/ coachwork specialists for construction and assembly of custom body-related parts and conversions.

The body assembly guidelines should be strictly adhered to if modifications are made with the intention of doing so.

Included in the Volkswagen body assembly guidelines are also the body dimension plans for our commercial vehicles Crafter, Transporter T4 and T5, Caddy and LT. These can be installed in 3 formats (TIF, DXF, IGES) for CAD programs and as PDF files.

Advice: If further technical queries about the series production vehicle arise over and beyond these guidelines, please contact your local conversion expert at your importer.

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Note: Subject to errors and technical amendments. The electronic version of the body guidelines is the decisive source of up-to-date data on body guidelines

<http://www.vwn-aufbaurichtlinien.de>

Data status October 2009

4.1 General notes on modifications to series production vehicles

The damping characteristic, braking system and steering should not be modified. Exceptions must be authorised by Volkswagen AG prior to these conversion measures being carried out.

For modifications to parts that generate noise (e.g. engine, tyres, exhaust, ...) carry out noise measurement in accordance with EC guidelines. The permissible values should not be exceeded.

We recommend that custom body manufacturers/coachwork specialists include relevant service details and, if necessary, operating instructions for their scope of equipment.

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4.2 Sidewall apertures

Body and platform form a self-supporting unit. Structural parts of this self-supporting unit should not be removed without replacement.

Partition walls do not have a structural function. Modifications other than complete removal are permissible.

Retrofitting of windows is difficult and expensive. The window requirement, therefore, should be specified before the vehicle leaves the factory (see supply programme).

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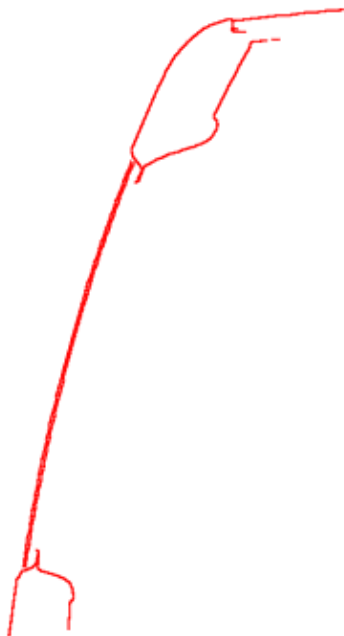
4.3 Retrofitting of windows

If windows are to be retrofitted, the following work procedure is suggested:

1. Cut out the outer panel along the inner panel of the window surround and install the window.
2. If windows smaller than those shown below are desired, the following applies: The aperture should only ever be made between the pillars. No structural elements should be cut into or weakened. The aperture must be supported by a surrounding frame, which should be flush bonded to the adjacent structural elements.

The differences between Kombi/panel van in the window area are shown below.

Kombi



Panel van



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4.4 Retrofitting of roof apertures

Roof apertures can be made between the roof bracing and the side roof frames. For details, see fig.4.4.1 and 4.4.2 below.

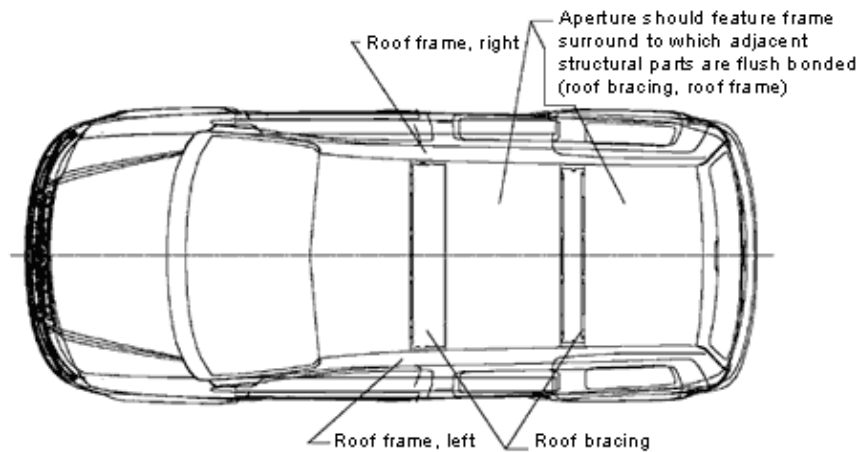


Fig.4.4.1: Caddy KR

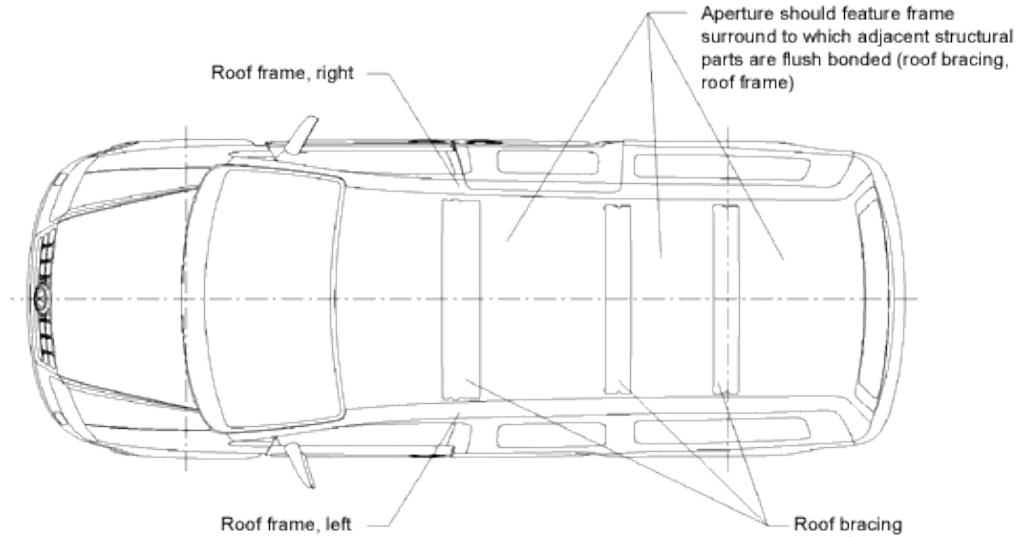


Fig.4.4.2: Caddy LR

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4.5 Forced ventilation

On panel vans with partitions, vent slits can be found in the partition and D-pillars.

On custom bodies, these vents should only be covered if new vents are provided, for example, in the cab doors.

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