



MY2019+ Sprinter - Vehicle Weights Technical Bulletin

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Mercedes-Benz Vans, LLC

Mercedes-Benz



Notice

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This bulletin is not intended to serve as a work instruction, but merely to provide some helpful information for upfitters to take into consideration before retrofitting or modifying a Mercedes-Benz or Freightliner Sprinter.

Prior to making any modification to or installing any equipment in or on a Mercedes-Benz or Freightliner Sprinter, you should review and insure compliance with all applicable laws and regulations, consult with Upfitter Management Vans for additional and updated information, and read the Body & Equipment Guidelines (BEG) for Sprinter Model Series 907.

Upfitter Management Vans Contacts:

For information or upfitter inquiries
please submit a request via our website:

www.upfitterportal.com

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Overview

This bulletin serves as a guide for upfitters when modifying their vehicles in understanding the vehicle weight limits of the Sprinter vehicle. This cannot serve as a replacement for reviewing and complying with all federal and local regulations on weight limitations and is ultimately the upfitters responsibility to do so.

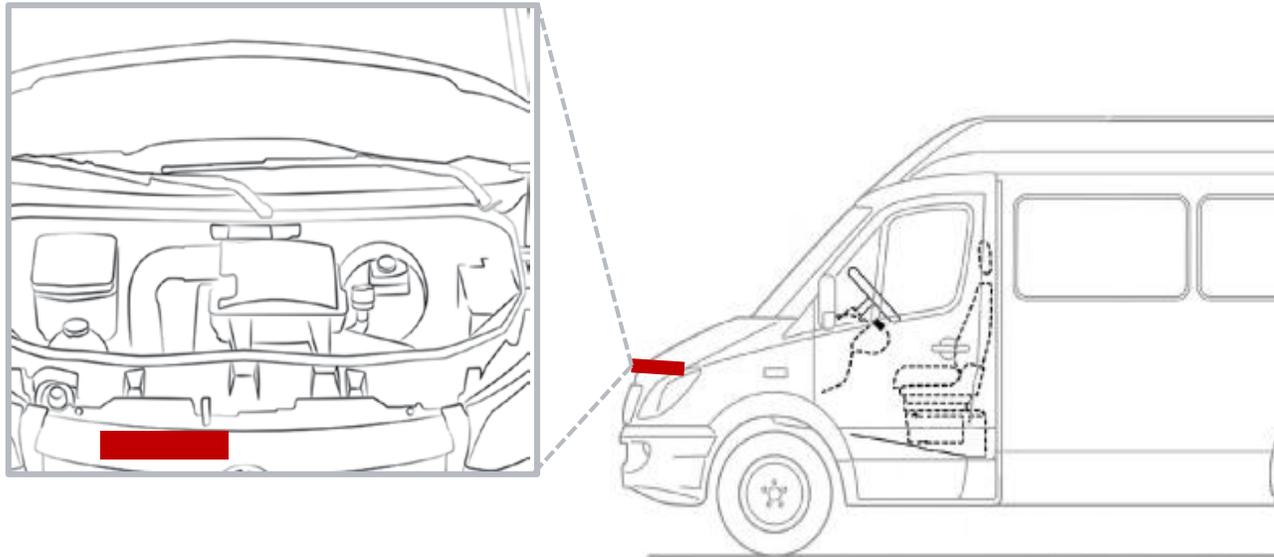
The table below contains the maximum weight limit values for Sprinters based on the model type. Do not exceed the maximum weight limits of Unloaded Vehicle Weight (UVW), Gross Vehicle Weight Rating (GVWR), and Gross Combination Weight Rating (GCWR), listed below. The UVW definition is found under FMVSS guidelines in 49 CFR 571.3 and 40 CFR 86.1803-01.

| <u>Sprinter Model</u> | <u>UVW (lbs.)</u> | <u>GVWR (lbs.)</u> | <u>GCWR (lbs.)</u> |
|------------------------------|--------------------------|---------------------------|---------------------------|
| 1500 (Gas) | 6,950 | 8,550 | 13,550 |
| 2500 (Gas) | 6,450 | 9,050 | 13,930 |
| 2500 (Diesel) | 7,401 | 9,050 | 13,930 |
| 3500 (Diesel) | 7,401 | 9,990 | 15,250 |
| 3500XD (Diesel) | 10,470 | 11,030 | 15,250 |
| 4500 (Diesel) | 9,374 | 12,125 | 15,250 |

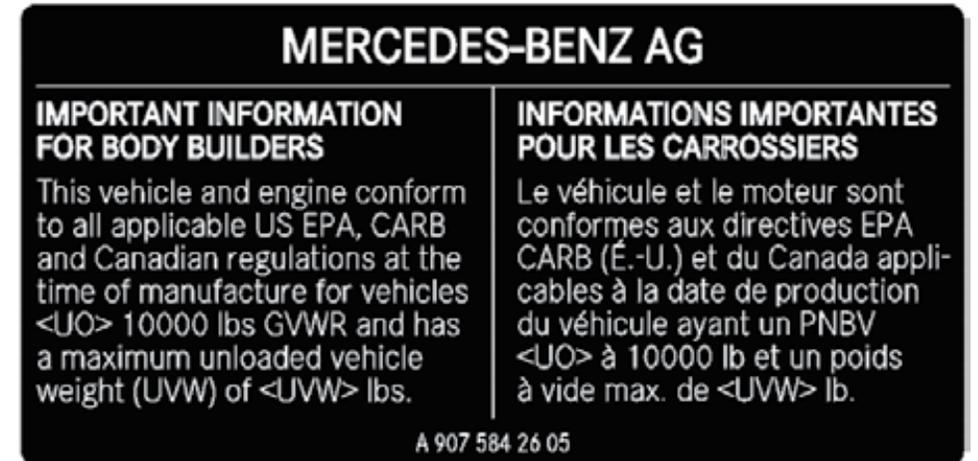
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UVW Label

Each Sprinter vehicle has its specific UVW limits affixed, via a label, above the front vehicle grill and in the engine compartment. A sample label is shown below which outlines the vehicle GVWR as well as the UVW.



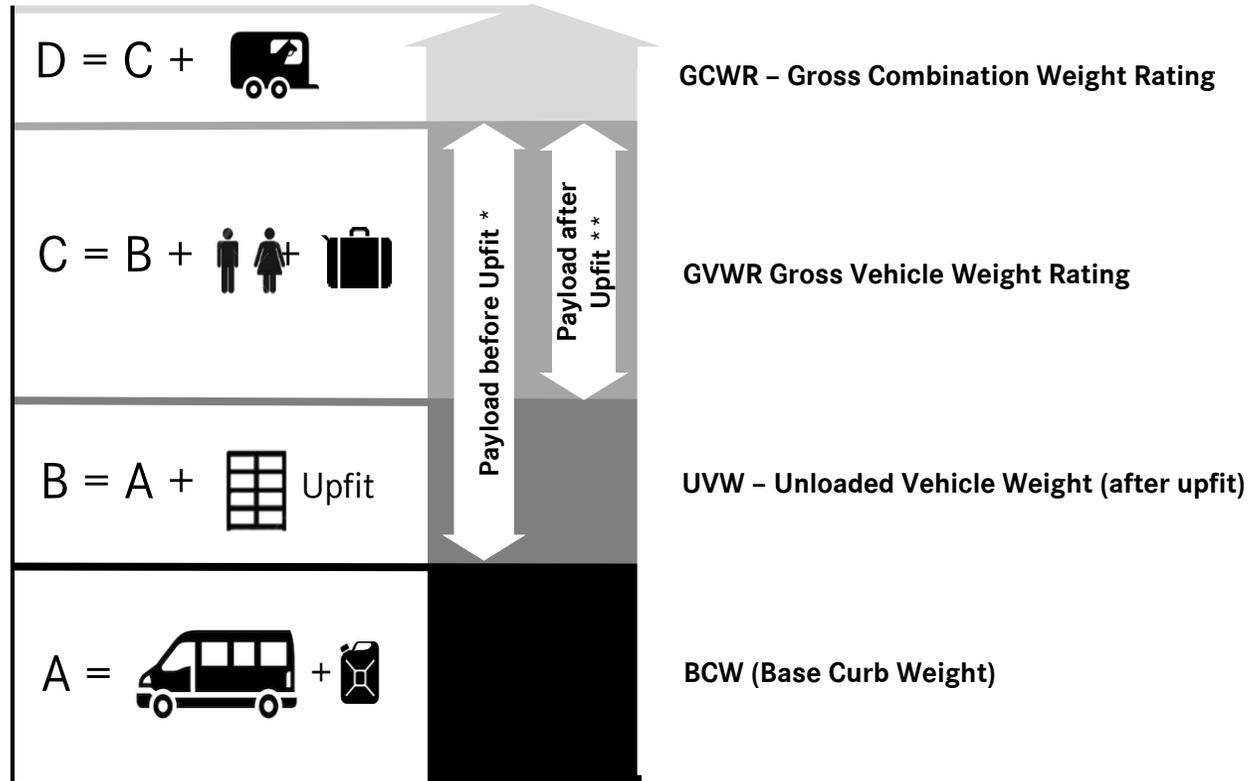
Vehicle label location



Sample UVW label

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Weight Definitions



* Payload before Upfit = GVWR - BCW

** Payload after Upfit = GVWR - UVW

D = Gross Combination Weight Rating (GCWR). GCWR is the sum of GVWR value and the weight of any attached trailer and the cargo in the trailer.

C = Gross Vehicle Weight Rating (GVWR). GVWR is the sum of UVW value and the driver and passenger(s) weights as well as weights of the added cargo and/or luggage.

B = Unloaded Vehicle Weight (UVW). UVW is the sum of the BCW value and the weight of permanently installed equipment added by the upfitter. Liquids that are not necessary for vehicle operation as well as any accessories should not be included (fresh water, etc.). The UVW restriction does not include the driver, passengers, cargo/luggage items in its weight limit.

A = Base Curb Weight (BCW). BCW is the sum of the Sprinter vehicle weight and liquids necessary for vehicle operation at full capacity (e.g. fuel). The weight of the vehicle is variable and depends on the variant of the Sprinter and the option codes included in the specific vehicle. Liquids that are not necessary for vehicle operation should not be included.

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Payload Label

The payload value is provided on the tire label located on the B-pillar driver side door. This label will need to be updated by the upfitter with the payload after upfit value.

