



Sprinter MY2019+ Cab chassis LED tail light replacements and order guide

Technical Bulletin

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Mercedes-Benz Vans, LLC

Mercedes-Benz



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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

Sprinter MY2019 (VS30) taillight

Objective

1. To avoid failure messages in the instrument cluster, it is crucial to connect aftermarket taillights in the correct way
2. Give the advice for what is the correct code need to be order to get what customer need in taillight in cab chassis (Page 4)

Main taillights:

- Please make sure to connect your lights using adaptor that has the same pinning assignment as shown in table below. If the light pinning assignment does not match or not securely connected, then you will find error in the instrument cluster.
- Please do not connect the taillights via PSM or E2A as this method will keep the vehicle system from detecting any existing failure and therefor cannot warn the driver.
- Two available options for the Upfitters:
 - LED taillights: Please order option code L91 (Re-wiring for taillights w/o the light itself)
 - Bulb taillights: Please order option code L90 (Pre-wiring for taillights w/o the light itself)

Note :

1. Code L90 and L91 have open wide range of the current limit Open circuit error will set when current < 20 mA and short circuit if current >2.6 A
2. For VANs ordered before Jun 2019, you will have to:
 - In case if you do not have access to retrofit activities in Xentry please contact dealership to add this code L90 or L91 and do SCN coding for body controller afterwards
 - In case if you have a permission access to use retrofit activities in Xentry please add code L90 or L91 and do SCN coding for body controller afterwards
 - Make sure to remove L22 if is in the car if you will plan to add L90 or L91

Additional lights: Only the additional lights have to be connected via PSM or the E2A interface and will not be tracked for bulb-out-detection



Error in cluster if wrong pinning assignment

Tail Lamp PIN connector for cab chassis MY19

Lamp Tail Left

Cave	Color	Function
1	BN	Ground
2	GYGN	License light
3	WHBU	Backup light
4	BKWH	Turn Signal
5	BKRD	Stop Light
6	VTWH	Fog Light/Only IF PSM
7	GYBK	Tail Light

Lamp Tail right

Cave	Color	Function
1	BN	Ground
2	GNGY	License light
3	WHBU	Backup light
4	BKGN	Turn Signal
5	WHGN	Stop Light
6		
7	GYRD	Tail Light

Pin assignment In circle connector for adaptor purpose

Sprinter MY2019+ LED tail Light order guide

Code	Comment	Purpose
L90	Tail Lamp deleted	For customer who uses non-OEM incandescent light
L91	Pre-Preparation for LED tail light	For customer who uses non-OEM LED light
L22	Tail lamp , Partial LED	For customer who uses Mercedes Benz LED light
L76	Extended cable for tail lamp	For customer who needs to extend tail light cable