



# Sprinter MY2019+ – Cab Chassis / Cutaway Rear Camera Installation Technical Bulletin 907

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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](http://www.upfitterportal.com)

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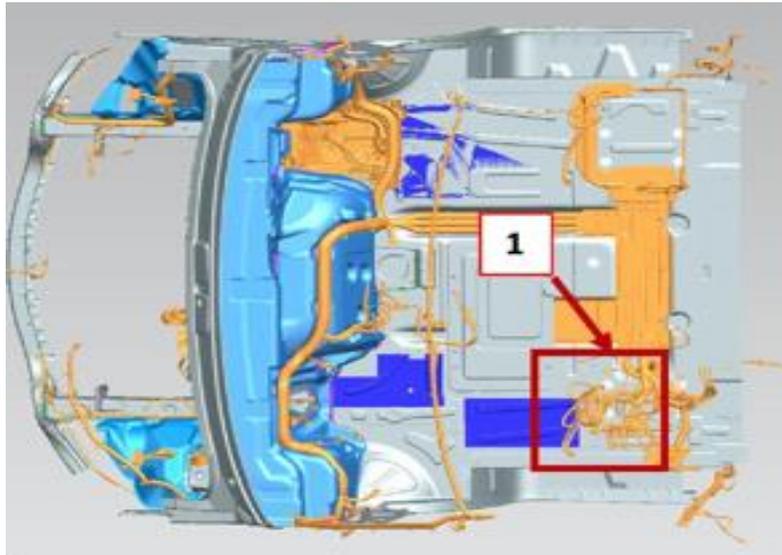
## *Overview & Camera Options*

**Guideline to install rear view camera in a MY19+ Cab Chassis / Cutaway with option code E3M or E4M PLUS FR7 (Camera Prep)\***

There are two possibilities to connect the original Mercedes Benz camera to the reinstallation wiring:

Option 1 - Use Mercedes Benz camera including housing part # A90782089009051

Option 2 - Use Mercedes Benz camera without housing part # A2139004025, in this case Upfitter to develop own waterproof housing.



**1** Location of the connector with option code FR7 is as shown in driver seat frames

# Wiring Harness Parts Information

**Guideline to install rear view camera in a MY 19+ Cab Chassis / Cutaway with option code E3M or E4M PLUS FR7 (Camera Prep)\***

Connectors by Location	Power and CAN Connector	Power/CAN Harness	Coaxial Harness
At Camera	A038545122828 (NOTE: Sourced through MB Dealer)	Continuous-Flex and Twist Robotics Cable (NOTE: Sourced Via McMaster Carr, <a href="http://www.mcmaster.com">www.mcmaster.com</a> , Part number: 8559K42) Crimp female contact A0085455526 onto one end of cable and insert in A038545122828. Using wiring diagram PE54.65-D-2103LAA crimp the male contacts A0325453928 onto the other end of the cable and insert into A0425459228 ensuring proper connections to power, ground, HMI-CAN LOW, and HMI-CAN HIGH.	Bingfu Fakra Z Female to Male Water Blue Vehicle Antenna Extension Cable 5m Compatible with Car Head Unit Stereo GPS Navigation FM AM Radio Sirius XM Satellite Radio 4G LTE TEL Telematics Bluetooth (NOTE: Sourced via Amazon, <a href="http://www.amazon.com">www.amazon.com</a> , copy and search for above text, Harness comes in 5 meter sections which can be interlinked up to 20 meters depending on application)
Under Driver Seat (FR7)	A0425459228 (NOTE: Sourced through MB Dealer)		
Contact by Location		Power and CAN Contact	
Camera Contact		A0085455526 (female contact) (NOTE: Sourced through MB Dealer)	
Under Driver Seat Contact (FR7)		A0325453928 (male contact) (NOTE: Sourced through MB Dealer)	

It is recommended to use Mercedes-Benz special crimp tool set W000589139900: W220589019910 (crimp pliers) and W220589019996 (MQS ELA crimp die and guide) to manufacture a wiring harness to the desired length for the power supply, ground, and HMI CAN using 0.5mm (AGW 24) wire following WIS instructions AR00.19-D-0100-03A (Repair wiring harness by crimping). Using wiring diagram PE54.65-D-2103LAA for support.

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## *SCN Coding, Flashing & Other Information*

**Guideline to install rear view camera in a MY19+ Cab Chassis / Cutaway with option code E3M or E4M PLUS FR7 (Camera Prep)\***

- Upfitter must have an authorized Sprinter dealer add the option codes; FR8 and O1N ( Letter O , Number 1 , Letter N ) in VeDoc to the vehicle's data card. Do not delete option code FR7. This will ensure the camera-system operation.
- Necessary flashing on the MY19 Cab Chassis / Cutaway after successful Installation & SCN Coding:
  - I. Use Xentry release 07/2018 or newer
  - II. Perform SCN coding for MBUX ( A26/17)
  - III. Perform Initial start up of rear view camera control unit (B84/3)
  - IV. Perform Quick test and perform clear memory
  - V. Perform function test of rear view camera
- Upfitter must ensure the rear view camera-system work without errors in real conditions and upfitter is responsible for all applicable local, state and federal regulations pertaining to rear view cameras (e.g. FMVSS 111 if applicable)
- Connectors of the camera are only approved for a single circuit.

\*if Cab Chassis / Cutaway is not equipped with FR7, please contact authorized Sprinter dealer for parts and retrofit instructions