



Sprinter MY2019+ Electric preparation for additional door (Code EA5) Technical Bulletin

Date 10/10/2019
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 Electrical preparation for additional central locking code EA5

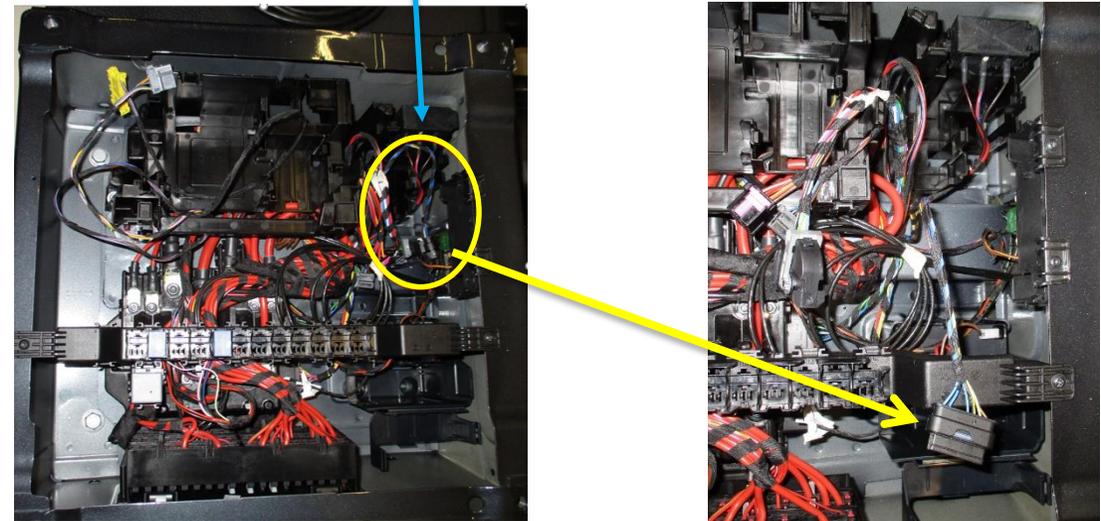
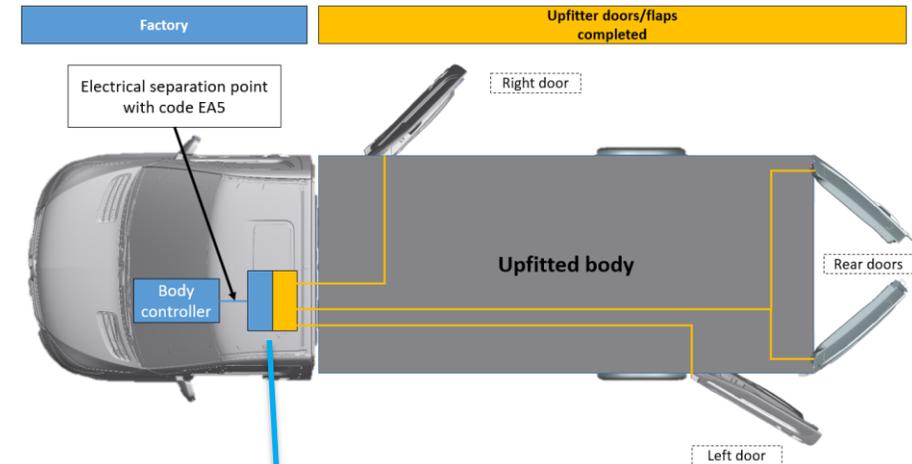
Pre Installation includes a wiring harness that gives the cab chassis customers a chance to add additional doors that use the same OEM key fob signal for unlocking and locking the doors and also indicate door lock status in the instrument cluster.

Connector location :

EA5 connector located under driver seat box (Check photos) .

Process :

1. Add to VeDoc the O code as follow :
 - a) Code O04 for the additional rear door
 - b) Code OA5 for the additional left rear door
 - c) Code OA6 for the additional right door
2. Perform SCN coding for body controller unit
3. Assemble all the door mechanical/electrical parts
4. Run a quick test with Xentry and Clear all errors in ECUs
5. Perform function check for additional door



EA5 connector location

Usage possibilities of the EA5 connector

Adding Rear door

Used PIN	1,2,5,8
Not used PIN	3,4,6,7

VeDoc code is
004



Adding extra rear left door

Used PIN	1,2,6,8
Not used PIN	3,4,5,7

VeDoc code is
0A5



Adding extra rear right door

Used PIN	1,2,7,8
Not used PIN	3,4,5,6

VeDoc code is
0A6



Pin	Function(Line)	Color
1/8	Central locking signal opens	Blue/brown
2/8	Central locking signal closes	Blue/black
3/8	CL signal opens with Double Lock (code FY2)	Gray/brown
4/8	CL signal closes with Double Lock (code FY2)	Gray/black
5/8	Hinged rear door rotary tumbler	Blue/green
6/8	Left side door rotary tumbler	Yellow/black
7/8	Right side door rotary tumbler	Yellow/white
8/8	Circuit 31, ground	Brown

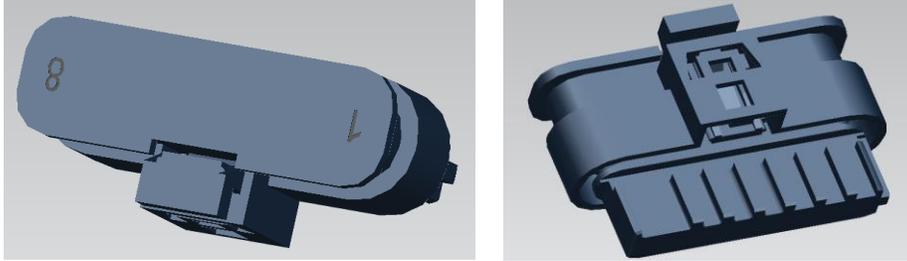
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Parts

Comes with option code EA5:

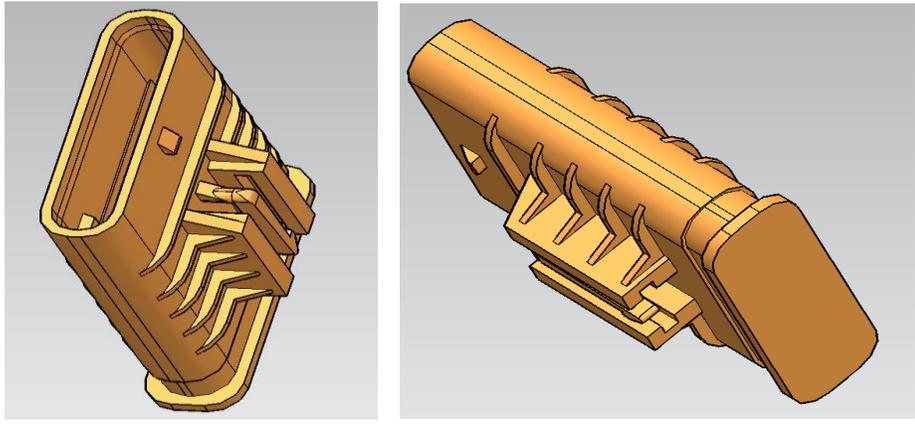
If option code EA5 is ordered, the vehicle comes with the following connector: **A0225453226**



To be ordered by Customer:

To plug into the EA5 connector, the customer needs to order:

Mating connector **A0485453928**



Pin / contacts part numbers

- A0009824128 – Crimp pin contact 0.5mm MLK1.2 (accepts 0.5mm wire)
- A0475459928 – Contact pin 0.75-1.0mm MLK1.2 (accepts 0.75 to 1.0mm wire)
- A0015455080 – single wire seal 0.22-1.0mm MLK1.2 (seal ring for 0.22-1.0mm wire if connection needs water resistance)