

Service Campaign Bulletin



Mercedes-Benz

Campaign No. 2020080012 August, 2020

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 907 Model Year 2019-2020
Clean SRS CU Contacts**

Mercedes-Benz AG ("MBAG"), the manufacturer of both Mercedes-Benz and Freightliner vans, has determined that on certain Sprinter vehicles (platform 907), an intermittent connection may occur between the connector block of the electronic control unit and the connector pins for the Supplemental Restraint System wiring harness (SRS wiring harness). The SRS control unit might detect increased resistance in various ignition circuits (e.g. driver/front passenger airbag, seat belt tensioner) which could lead to illumination of a warning message (yellow) and warning lamp (red) in the instrument cluster. The function of the SRS is not impaired.

Prior to performing this Service Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Service Campaign bulletin and follow the repair procedure exactly as described.

Approximately 53,590 vehicles are affected.

Order No. V-SC-2020080012

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

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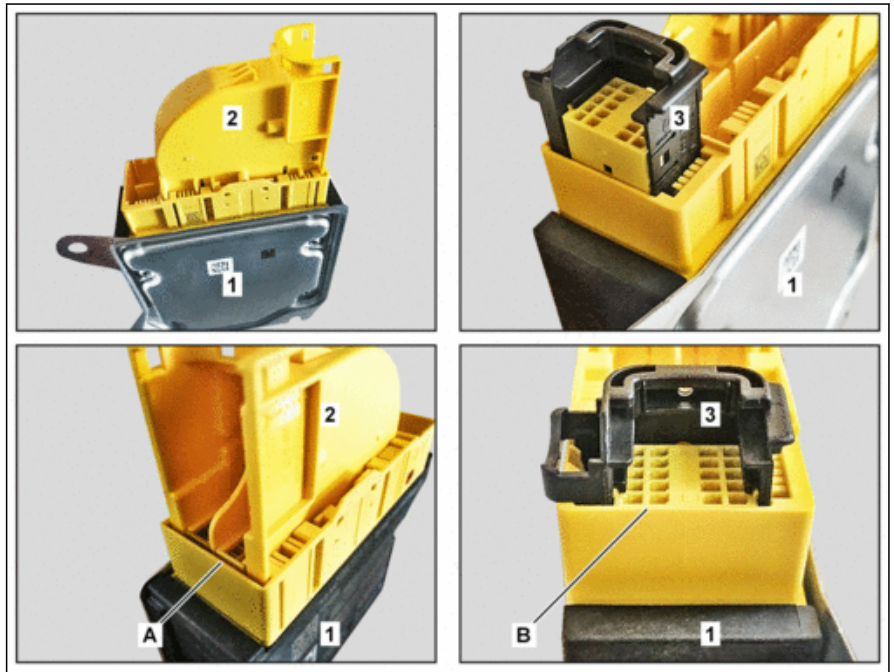
Service Campaign Bulletin

Model 907
with code ZU8 (National version for USA)

Operation no. of the operation texts or standard texts and flat rates









Category	Op. no.	Operation text	Time	Damage Code	Code
L	02 1857	Operation: Clean pins on SRS control unit, acc. no.: 54 904 59, code: VS3ZKUSRS	1.3 hr	54 904 59	VS3ZKUSRS
L	02 2726	Operations: Disconnect/connect ground line of on-board electrical system battery (when working on veh.)	0.2 hr	54 904 59	VS3ZKUSRS
L	02 2727	Operations: Disconnect/connect ground line of on-board electrical system battery (when working on veh.) with code E30	0.1 hr	54 904 59	VS3ZKUSRS

- 1 Supplemental restraint system (SRS) control unit
- 2 Testing tool
- 3 Testing tool
- A Range
- B Range

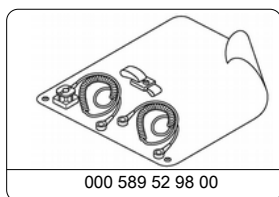


D91.60-A012-76

Topical note	Notes on carrying out repair work in the vehicle interior	AH68.00-N-0001-01S
Topical note	Information on preventing damage to electronic components due to electrostatic discharge	AH54.00-P-0001-01A

	Check		
1	Check whether vehicle is affected by measure.	 Only the entry in the "Extended VEGA Application" (EVA) system in the "Current" tab is decisive for authorized Mercedes-Benz service partners. An additional test of the affected vehicles in the workshop information system (WIS) or vehicle list is thereby not necessary.	
	Preparation		
2.1	Prepare testing tools (2, 3).	If testing tools (2, 3) have not yet been prepared.	Page 5
2.2	Check testing tools (2, 3) for condition and damage.	If testing tools (2, 3) are already present.  Testing tools (2, 3) must be clean and intact. Otherwise, the SRS control unit (1) will be damaged. If one or both testing tools (2, 3) are soiled or damaged: ↓ Prepare corresponding testing tool (2, 3) again.	Page 5
	Remove		
3	Remove SRS control unit (1).		AR91.60-D-0622TSR
 AR			
4	Put down SRS control unit (1) and prepare as per instructions on potential equalization.	 ESD kit	000 589 52 98 00
	Clean		
5	Clean pins on SRS control unit (1).	 ESD kit	000 589 52 98 00 Page 7

◀	Check		
6	Check pins on SRS control unit (1) for damage.	<p>ⓘ</p> <p>The pins on the SRS control unit (1) must not be damaged or bent. Otherwise, the SRS control unit (1) is defective.</p> <p>ⓘ</p> <p>Without any force, attach 104-pin testing tool (2) and 20-pin testing tool (3) in corresponding plug housing of SRS control unit (1) up to end stop and detach again.</p> <p>The aim is to determine, using this empty coupling housing, whether the pins are OK and unbent after cleaning. If the two testing tools (2, 3) can be inserted up to the end stop without any force, the pins are OK.</p> <p>ⓘ</p> <p>The 104-pin testing tool (2) must line up with the housing edge of the SRS control unit (1) in area (A) during installation.</p> <p>The 20-pin testing tool (3) must line up with the housing edge of the SRS control unit (1) in area (B) during installation.</p> <p>Then perform a visual check of the pins on the SRS control unit (1).</p> <p>If one or more pins on the SRS control unit (1) are damaged or bent:</p> <p style="text-align: center;">↓</p> <p>Replace SRS control unit (1).</p>	
7	Remove ESD kit.	☑ ESD kit	000 589 52 98 00
✕	Install		
8 AR	Install SRS control unit (1).		AR91.60-D-0622TSR



ESD kit

Parts ordering note

Contact Cleaning Tool

Part No.	Designation	Quantity
A 000 540 38 04	Cleaning Bushing	6 per vehicle
A 000 540 38 04	Cleaning Bushing	6 per vehicle

Testing Tool *(Re-Useable)*

Part No.	Designation	Quantity
A 029 545 90 26	Coupling Housing	1 per dealer
A 005 545 53 40	Contact Carrier	1 per dealer
A 005 545 54 40	Contact Carrier	1 per dealer
A 166 545 04 26	Airbag Control Unit Coupling Housing	1 per dealer
A 005 545 23 40	Contact Carrier	1 per dealer

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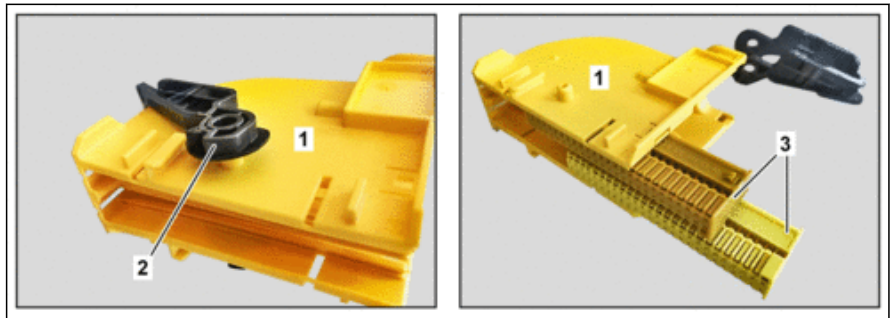


The testing tools (104-pin and 20-pin) **only has to be prepared once per workshop**. After completing cleaning, store away the prepared testing tools **clean and dry** for further use.

Perform visual check before each use. As soon as soiling or damage can be detected, this testing tool must be replaced with a new one. Dispose of old testing tool!

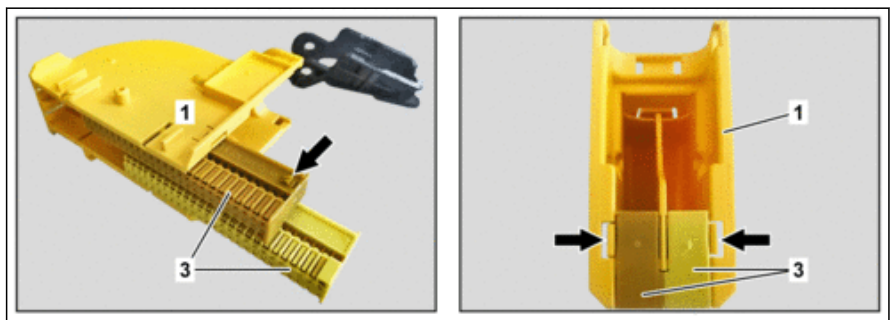


The 104-pin testing tool consists of the coupling housing (1) (A 029 545 90 26) and the contact carriers (3) (A 005 545 53 40, A 005 545 54 40).



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- 1 Remove mounting frame bow (2) from coupling housing (1) and dispose of it.



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- 2 Install both contact carriers (3) into coupling housing (1).



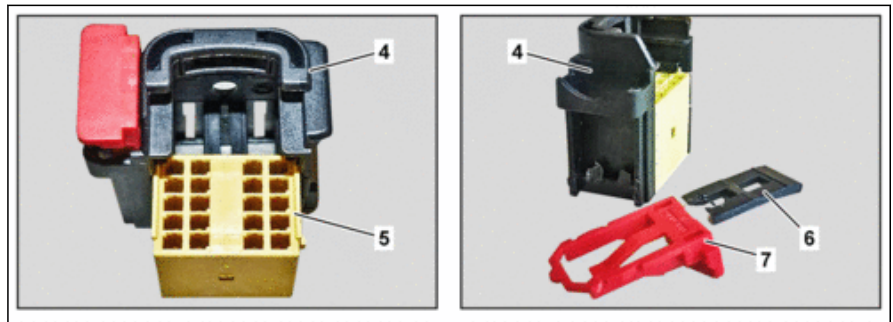
Slide both contact carriers (3) into coupling housing (1) up to end stop with **little force**.



Ensure that retaining lugs (arrows) of contact carriers (3) engage correctly.



The 20-pin testing tool consists of parts of the airbag control unit coupling housing (4) (A 166 545 04 26) and the contact carrier (5) (A 005 545 23 40).



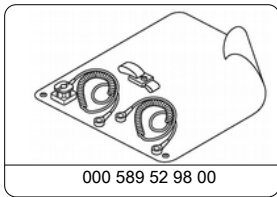
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3 Slide contact carrier (5) into coupling housing (4) with **little force** until contact carrier (5) latches into place.


4 Remove detent lever (6) and locking clip (7) from coupling housing (4) and dispose of them.

SM91.60-D-0069-03SG	Clean pins on SRS control unit (code: VS3ZKUSRS, acc. no.: 54 904 59)		
Topical note	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A

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ESD kit

i Use  ESD kit throughout entire cleaning process.
The pins of the supplemental restraint system (SRS) control unit (1) must not be touched.
Apart from the cleaning bushings (2), **no** other cleaning agents or the like may be used.

- 1 Clean all pins in SRS control unit (1) with extreme care using cleaning bushings (2).

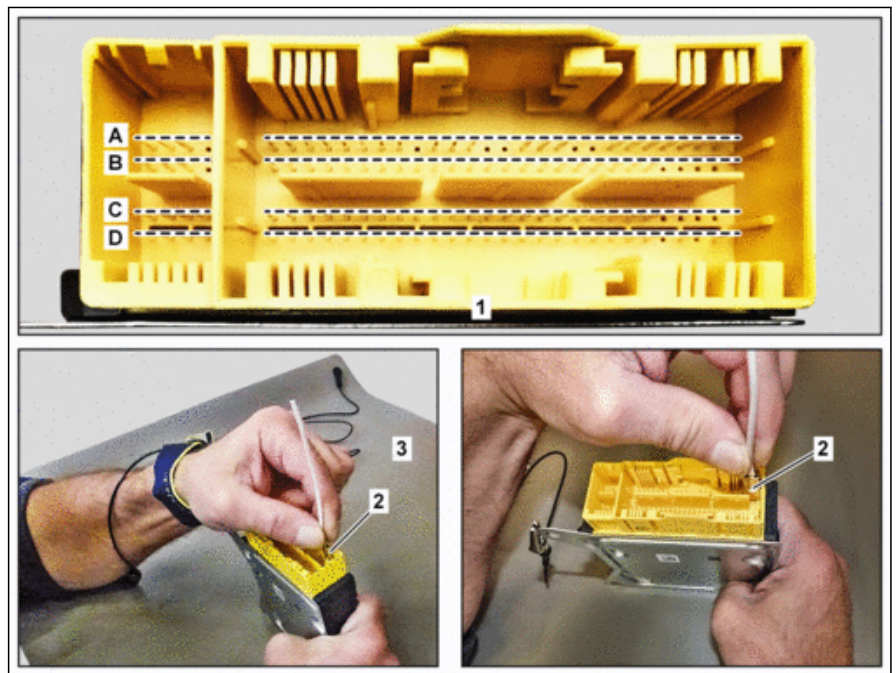


Do not tilt!

Adjacent pins could be damaged or bent by tilting the cleaning bushing (2).



Perform all operations on ESD mat (3).



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Ensure scrupulous cleanliness!

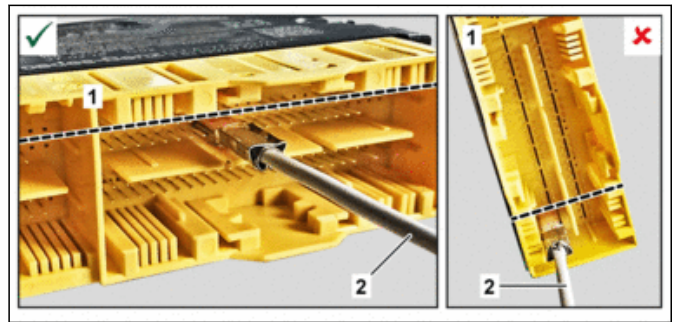
Slide cleaning bushings (2) onto pins in insertion direction up to end stop and remove again.



The cleaning bushings (2) must be positioned parallel to the lower edge of the SRS control unit (1)!



Inserting the cleaning bushings (2) offset by 90° to the lower edge of the SRS control unit (1) can cause damage to the pins.



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Perform all movements on the plugs in a straight line so as not to damage (bend) them!



Up to **two** pins can be cleaned at the same time.



No pins may be omitted.



Perform cleaning in the following sequence:

The SRS control unit (1) has 4 connector rows (A to D).

A total of **6 cleaning bushings** (2) are required for the entire cleaning process.

- Connector rows **A and B** must be cleaned **completely** using a cleaning bushing (2). Repeat this process twice with a new cleaning bushing (2) each time.
- Connector rows **C and D** must be cleaned **completely** using a cleaning bushing (2). Repeat this process twice with a new cleaning bushing (2) each time.



This means that each pin is cleaned three times!

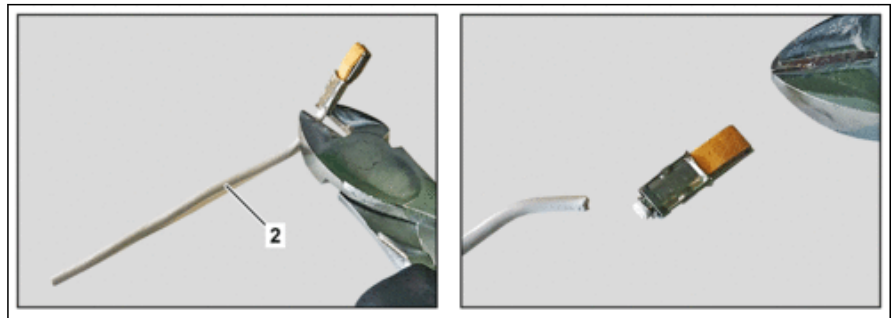


The number of pins can vary.

2 After completing cleaning, render cleaning bushings (2) **unusable** and dispose of them.



Cleaning bushings (2) may **not be reused**.



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