

TO: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Gregory Gunther, Department Manager, Vehicle Compliance and Analysis, Engineering Services
RE: Recall Campaign Update Notification Check Transmission Wiring Harness Connector MY 19-22 4-Matic CLS-Class, E-Class, and GT-Class (257, 213, 238, and 290 platform)	DATE: October 6, 2022

IMPORTANT RECALL CAMPAIGN UPDATE

Please see the attached documents related to the campaign listed above.

Please note that all customer inquiries should be directed to the Customer Assistance Center at 1-800-FOR-MERCEDES.

Sincerely,

Gregory Gunther

Department Manager, Vehicle Compliance & Analysis



Recall Campaign Update Notification			October 6, 2022
Campaign No. :	NHTSA ID	Campaign Desc. :	Check Transmission Wiring Harness Connector
2022080010	22V533	22P5491309	
<p>This is to notify you of a Recall Campaign Update to check the transmission wiring harness connector on 16,977 Model Year (“MY”) 2019-2022 4-Matic CLS-Class, E-Class, and GT-Class (257, 213, 238, and 290 platform) vehicles. The recall campaign will be visible on the www.safercar.gov website and may generate questions from customers. Affected VINs will be flagged in VMI as “OPEN” on October 6, 2022.</p>			
Background			
Issue	Mercedes-Benz AG (MBAG), the manufacturer of Mercedes-Benz vehicles, has determined that on certain E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) 4Matic vehicles, the transmission wiring harness might not be routed according to specifications. Tension on the transmission wiring harness could lead to wire insulation pulling back from the electrical connector and as a result, water could enter the connector. Water ingress could lead to a short circuit and/or thermal overload if the vehicle’s ignition is off for longer periods of time. As a result, the risk of fire cannot be ruled out. Before the issue occurs, the driver may be alerted to the condition by illumination of the yellow battery (electrical charge) indicator lamp and/or the "4Matic malfunction" warning message in the instrument cluster.		
What We’re Doing	MBUSA will conduct a voluntary recall. An authorized Mercedes-Benz dealer will check the electrical connector on the affected vehicles and rework it, if necessary.		
Parts	The remedy is available and can be performed.		
Vehicles Affected			
Vehicle Model Year(s)	2019-2022		
Vehicle Model	CLS-Class, E-Class, and GT-Class		
Vehicle Populations			
Total Recall Population	16,977		
Total Vehicles in Dealer Inventory	180		
<p>Given this notice, it is a violation of Federal law for a dealer to sell or lease any new MY19-22 CLS-Class, E-Class, and GT-Class vehicles in dealer inventory covered by this notification until the vehicle has been repaired. Once the remedy is available, the vehicles will be flagged as “OPEN” and Work Instructions will be available in Star TekInfo. Once the repair is complete the vehicle may be sold or leased.</p> <p>Loaner and demonstrator vehicles may continue to be driven, but must not be retailed until repaired. As a matter of normal service process, please check for other repair measures that might be applicable to the vehicle(s).</p> <p>Additionally, given this notice, it is a violation of Federal Law for car rental companies to rent new MY19-22 CLS-Class, E-Class, and GT-Class covered by this notification until the vehicle has been repaired.</p>			
Next Steps/Notes			
Customer Notification Timeline	Customer letters will be mailed on or before October 14, 2022.		
AOMS/SOMS	AOMs – This recall may generate questions from your dealers. Please forward this notice to your dealers ASAP.		
Rental Fleet Partners	This recall may affect vehicles in your fleet. Please contact your respective MBUSA fleet representative for further information and next steps. For repairs, please contact your preferred MBUSA dealer.		
<p>While we regret any inconvenience this may cause, MBUSA is determined to maintain a high level of vehicle quality and customer satisfaction. Please refer all customer inquiries to the Customer Assistance Center at 1-800-FOR-MERCEDES.</p>			



Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2022080010, September 2022

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Various Models**
Model Year 2019-2022

Check Transmission Wiring Harness Connector

Mercedes-Benz AG (MBAG), the manufacturer of Mercedes-Benz vehicles, has determined that on certain E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) 4Matic vehicles, the transmission wiring harness might not be routed according to specifications. Tension on the transmission wiring harness could lead to wire insulation pulling back from the electrical connector and as a result, water could enter the connector. Water ingress could lead to a short circuit and/or thermal overload if the vehicle's ignition is off for longer periods of time. As a result, the risk of fire cannot be ruled out. Before the issue occurs, the driver may be alerted to the condition by illumination of the yellow battery (electrical charge) indicator lamp and/or the "4Matic malfunction" warning message in the instrument cluster. An authorized Mercedes-Benz dealer will check the electrical connector on the affected vehicles and rework it, if necessary.

Prior to performing this Campaign:

- VMI must always be checked before performing campaigns to verify that the campaign is required on a specific vehicle. Always check for any other open campaigns, and perform accordingly.
- Please review the entire Campaign bulletin and follow the repair procedure exactly as described.

Approximately **16,977,475** vehicles are affected.

Order No. P-RC-2022080010

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

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Recall Campaign Bulletin

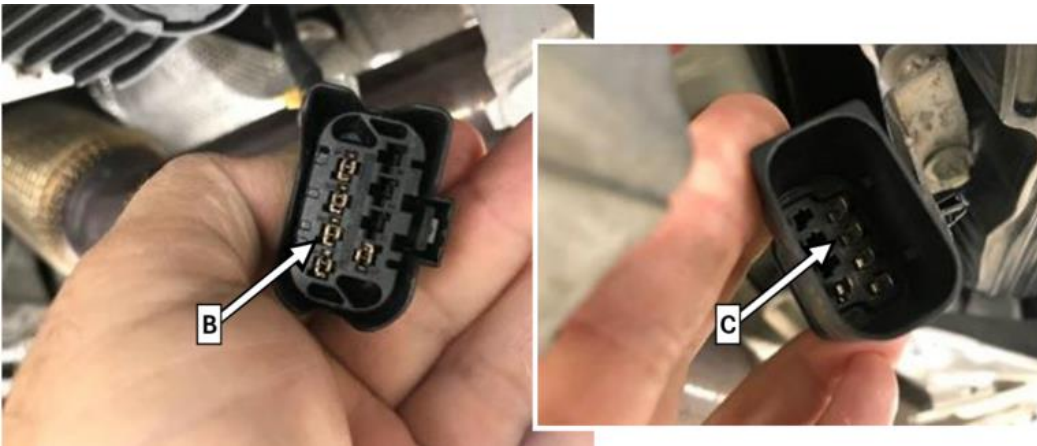
Check electrical connector on automatic transmission oil pan and rework or replace if necessary

Check/test procedure

1. Remove rear underfloor paneling under transmission.
2. Disconnect electrical connector X279 (A, figure 1) from the oil pan on the right side.

**Figure 1**

3. Check insides of the connector (B, figure 2 – vehicle side) and (C, figure 2 – transfer case side) for corrosion and other damage or noticeable problems.

**Figure 2**

4. Check pins from the **vehicle side** wiring harness (B, figure 2) with the special tool **W 220 589 01 99 63** (figure 3). **Unpin** each individually, check for corrosion and damage such as wire melting or wire sealing lips (figure 4), **and then pin back in**. DO NOT remove all pins at once.









-  Equivalent commercially available unpinning tools can be used.
-  **All pins may not** be unpinned from the plug housing **simultaneously**.
-  The **pins must audibly engage** when reinserted.
-  No damage or noticeable problems may be visible.
-  No sealing elements may be damaged or melted at the cables.
-  Sealing elements must be properly crimped in the cable lug.
-  See OK figure. Sealing lip must be visible.
-  Figure 4 shows a *not OK* and OK sealing element!



Figure 3

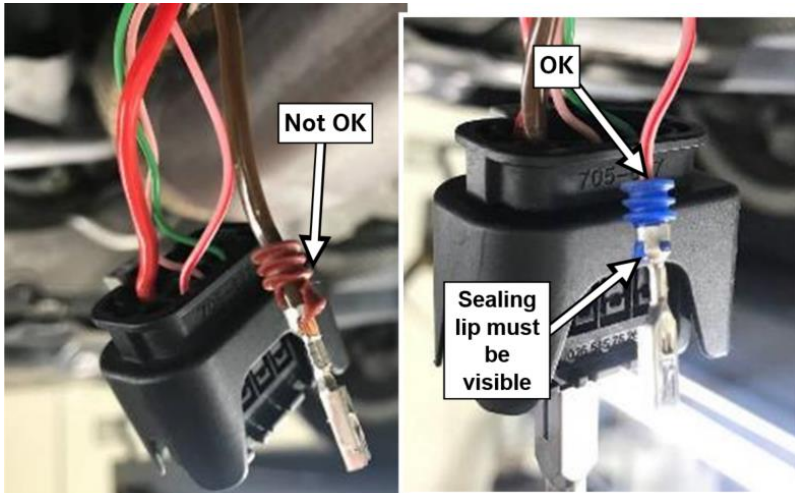


Figure 4 (*not OK* and OK sealing element)

5. Check green blind plugs (D, figure 5) on the rear side of the connector for proper seating, rework if necessary.

i If the connector and the blind plug has no damage and are out of place, the blind plugs need to be pressed into its proper position.

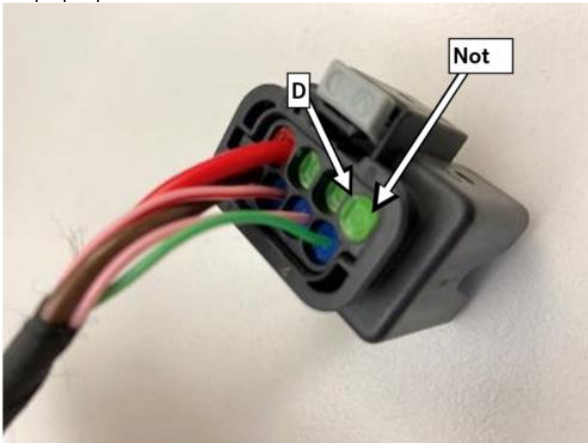


Figure 5

6. Based on the inspection results, use the following work scopes:
- If pins, cables, sealing and plug housing show **no** damage: Carry out **scope of work A**.
 - If pins, cables, sealing, or plug housing show damage: Carry out **scope of work B**.
 - If transfer case wiring harness shows damage: Carry out **scope of work C**.

Work Procedure A

1. Attach new additional wiring harness bracket (E, figure 6) with new screw to transmission oil pan.

i Threaded bushing is already present in the oil pan.

Nm Wiring harness bracket to transmission oil pan **8 Nm**.

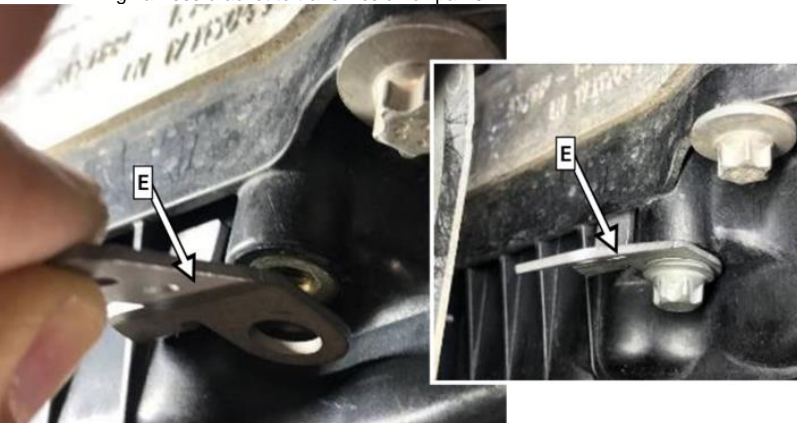


Figure 6

2. Remove retaining clamp and cable tie from the vehicle-side wiring harness.
3. Attach retaining clamp with **new** cable tie (figure 7) to new wiring harness bracket in direction of travel from rear up to end stop.
i Retaining lugs of the retaining clamp engage in the bores of the bracket.

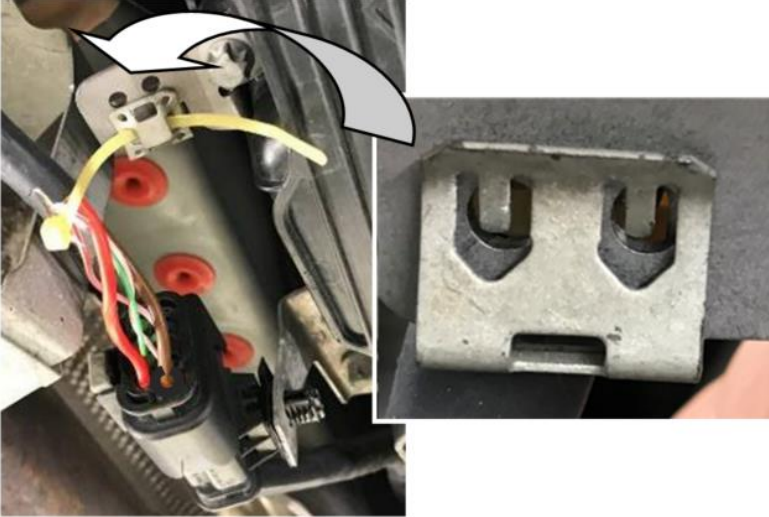


Figure 7

4. Connect connector (figure 8) and allow secondary locking mechanism to engage.
5. Fasten wiring harness without tension with a new cable tie (figure 8) to the new bracket of the wiring harness.



Figure 8

Work procedure B

i If **damage** to the pins, cables, sealing, or plug housing is present, the vehicle-side wiring harness must be always repaired with the **repair wiring harness**.

1. Disconnect ground line of the 12 V on-board electrical system battery.

i For basic data see AR54.10-P-0003*

* Select the WIS document according to the vehicle model.

2. Disconnect the vehicle-side wiring harness in the denoted area (F, figure 9), strip and connect it with the repair wiring harness using a line connector.

i Repair wiring harness by means of a line connector, see AR00.19-P-0100-09A.



Figure 9

3. Attach additional bracket as described in work procedure A and fasten wiring harness.

Work procedure C

i If the **transfer case wiring harness** is damaged, it must be completely replaced.

1. Remove rear crossbar transmission.

i Secure transmission against tilting.

2. Unclip the transfer case-side wiring harness on the bracket of the automatic oil pan, unclip the transfer case and disconnect it from the variable transfer case control unit.

i To disconnect the control unit the heat shield must be gently pushed down.



Figure 10

3. Replace transfer case-side wiring harness.

4. Assemble in reverse order.

5. Attach additional bracket as described in work procedure A and fasten wiring harness.

Primary Parts Information

Qty.	Part Name	Part Number
1	Screw	N 910143 006001
1	Bracket	A 290 545 69 00
1	Cable tie	A 006 997 35 90
As required (1)	Repair kit (wiring harness incl. connector coupling)	A 290 540 99 14
As required (2)	Line connector (red)	A 000 982 92 10
As required (3)	Line connector (green)	A 000 982 91 10
As required (1)*	Tape	A 002 983 64 13
As required (1)	Wiring harness transfer case	A 213 540 32 69

* 1 container is to be used for approx. 10 vehicles.

i Small parts such as screws, lock nuts, sealing rings, cable ties, fluids, sealant, etc. are not listed in the parts list. The required small parts are taken into account in the budgeting.

i **Note:** The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information

Damage Code	Operation Number	Description	Labor Time (hrs.)
54 913 09	02-0133	Check electrical connector on oil pan automatic transmission Includes: Scope of work A - retrofit wiring harness bracket	0.6
	02-0134	Repair vehicle wiring harness (after check) Includes: Work procedure B	0.5
	02-0135	Replace transfer case wiring harness (after check) Includes: Scope of work C	0.7

* Invoice operation item only once for each workshop order.

i **Note:** Always check ASRA for the current OP-Code times. Labor times are subject to change and updates may not be reflected in this document.