TO: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Gregory Gunther, Senior Manager, Vehicle Compliance and Analysis, Engineering Services
RE: **Recall Campaign Launch Notification** **Inspect Transmission Wiring Harness Routing** **MY22-23 C-Class (206 platform)**	DATE: August 4, 2023

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

Senior Manager, Vehicle Compliance & Analysis

Mercedes-Benz USA, LLC A Mercedes-Benz Group AG Company
One Mercedes-Benz Drive Sandy Springs, GA 30328 770.705.0600

Recall Campaign Launch Notification				August 4, 2023
Campaign No. :	**NHTSA ID**	**CA DMV**	**Campaign Desc. :**	**Inspect Transmission Wiring Harness Routing**
2023070015	**23V462**	**230715**	**23P5491316**	

This is to notify you of the Safety and Emissions Recall Campaign Launch to inspect the transmission wiring harness routing on **8,178** Model Year ("MY") 2022-2023 C-Class (206 platform) vehicles. The recall campaign will be visible on the www.NHTSA.gov website and may generate questions from customers. Affected VINs will be flagged in VMI as "OPEN" on **August 4, 2023**.

Background

Issue	Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2022-2023 C-Class (206 platform) vehicles with 4MATIC, the length of the transmission wiring harness might not meet current specifications. In this case, the transmission wiring harness could chafe on the front drive shaft, which could potentially damage the wiring harness and result in a loss of vehicle propulsion. This might increase the risk of a crash. If the failure occurs, the driver would be made aware through a warning message (e.g. "Transmission Malfunction Stop", "Drive Malfunction Stop Restart Vehicle", "Drive Malfunction Stop Contact Dealer", or "Service Required Do Not Change Transmission Position") in the instrument cluster.
What We're Doing	MBUSA will conduct a voluntary recall. An authorized Mercedes-Benz dealer will inspect the transmission wiring harness routing on the affected vehicles and rework it, if necessary.
Parts	**The remedy is available and can be performed. The approximate replacement rate of the wiringing harness is less than 1%. Do not order parts before inspection is complete.**

Vehicles Affected

Vehicle Model Year(s)	2022-2023
Vehicle Model	C-Class

Vehicle Populations

Total Recall Population	8,178
Total Vehicles in Dealer Inventory	3

Given this notice, it is a violation of Federal law for a dealer to sell or lease any new 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 NetStar VMI and Xentry Portal. Once the repair is complete the vehicle may be sold or leased.

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 which might be applicable to the vehicle(s).

Additionally, given this notice, it is a violation of Federal Law for car rental companies to rent new vehicles covered by this notification until the vehicle has been repaired.

Notice to California Dealers: As required by 13 CCR 2117, a proof of correction ("POC") certificate showing that the vehicle has been repaired under this recall must be issued by the dealer, and that such a certificate may be required by California as a condition of vehicle re-registration or operation. Please reference this POC in the attached work instructions. Failure to complete this step may result in fines and penalties and lead to customer dissatisfaction.

Next Steps/Notes

Customer Notification Timeline	Customer letters will be mailed on or before August 18, 2023.
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.
Customer Reimbursement	Customer reimbursement is not being offered for this campaign.

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.

Mercedes-Benz USA, LLC A Mercedes-Benz Group AG Company
One Mercedes-Benz Drive Sandy Springs, GA 30328 770.705.0600

Mercedes-Benz

Campaign No. 2023070015, August 2023

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model C-Class (206 platform)**
Model Year 2022-2023

Inspect Transmission Wiring Harness Routing

Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2022-2023 C-Class (206 platform) vehicles with 4MATIC, the length of the transmission wiring harness might not meet current specifications. In this case, the transmission wiring harness could chafe on the front drive shaft, which could potentially damage the wiring harness and result in a loss of vehicle propulsion. This might increase the risk of a crash. If the failure occurs, the driver would be made aware through a warning message (e.g. “Transmission Malfunction Stop”, “Drive Malfunction Stop Restart Vehicle”, “Drive Malfunction Stop Contact Dealer”, or “Service Required Do Not Change Transmission Position”) in the instrument cluster. An authorized Mercedes-Benz dealer will inspect the transmission wiring harness routing on the affected vehicles and rework it, if necessary.

Prior to performing this Campaign:

- VMI must 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 8,178 vehicles are affected.

Order No. P-RC-2023070015

Recall Campaign Bulletin

Inspect Transmission Wiring Harness Routing

Test Procedure

1. Remove rear engine compartment lining **(A, Figure 1).**

   For basic information, see AR61.20-P-1105WT.

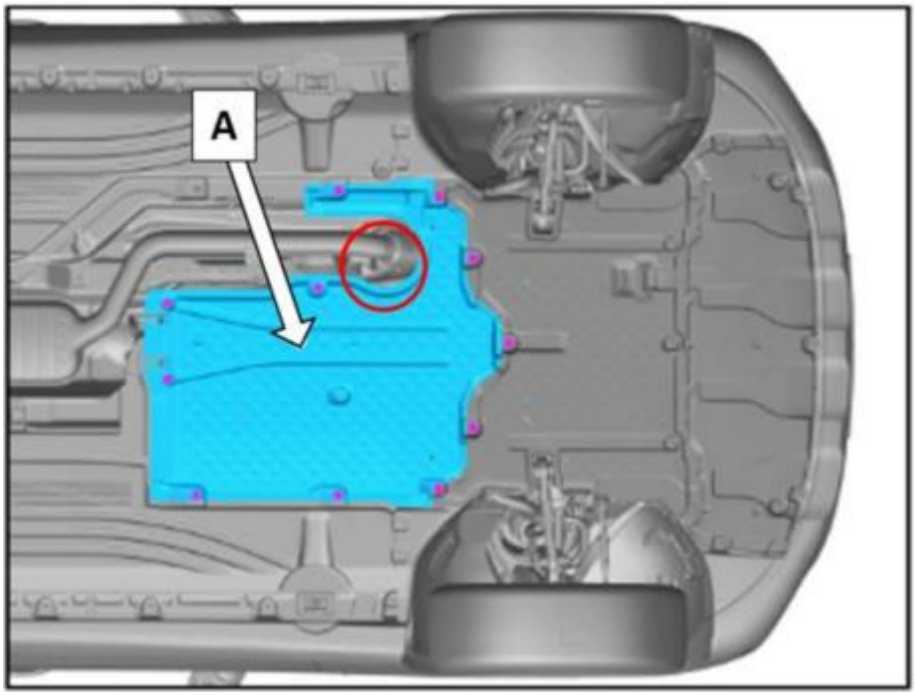

Figure 1

2. Check routing and clearance **(B, Figure 2)** between the electrical wiring harnesses and the transmission tunnel/drive shaft, and the transfer case for the front axle differential.

The electrical wiring harnesses ***must not*** contact the drive shaft or the transfer case for the front axle differential!

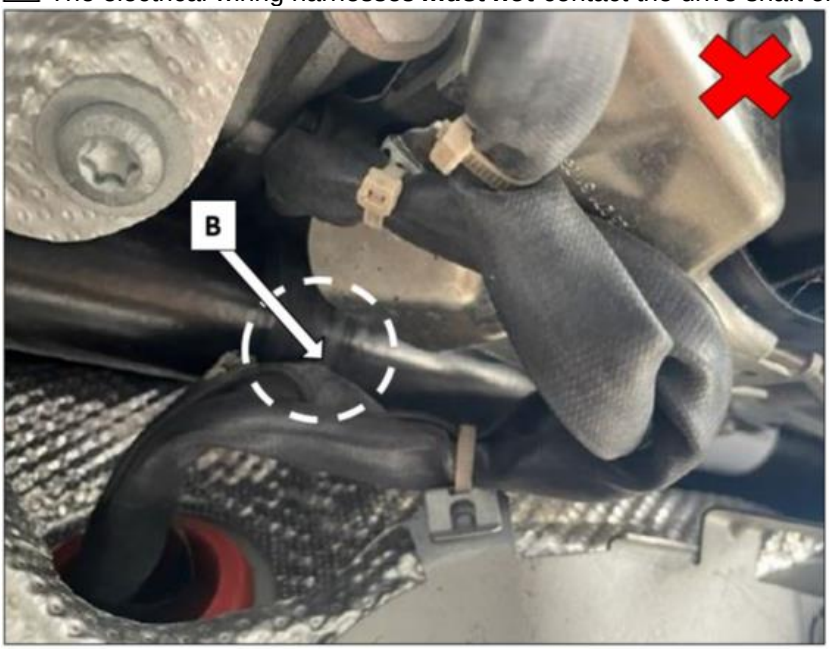

Figure 2, condition not OK

a. If the electrical wiring harness is in contact but ***not damaged***:
Carry out **Work Procedure 1**.
b. If the electrical wiring harness is in contact and ***is damaged***:
Carry out **Work Procedure 2**.
c. If the electrical **power supply line (3, Figure 3) (Cable cross section 10 mm²) *is damaged***:
Carry out **Work Procedure 3** .
d. If the electrical wiring harness is ***routed correctly***:
End measure.

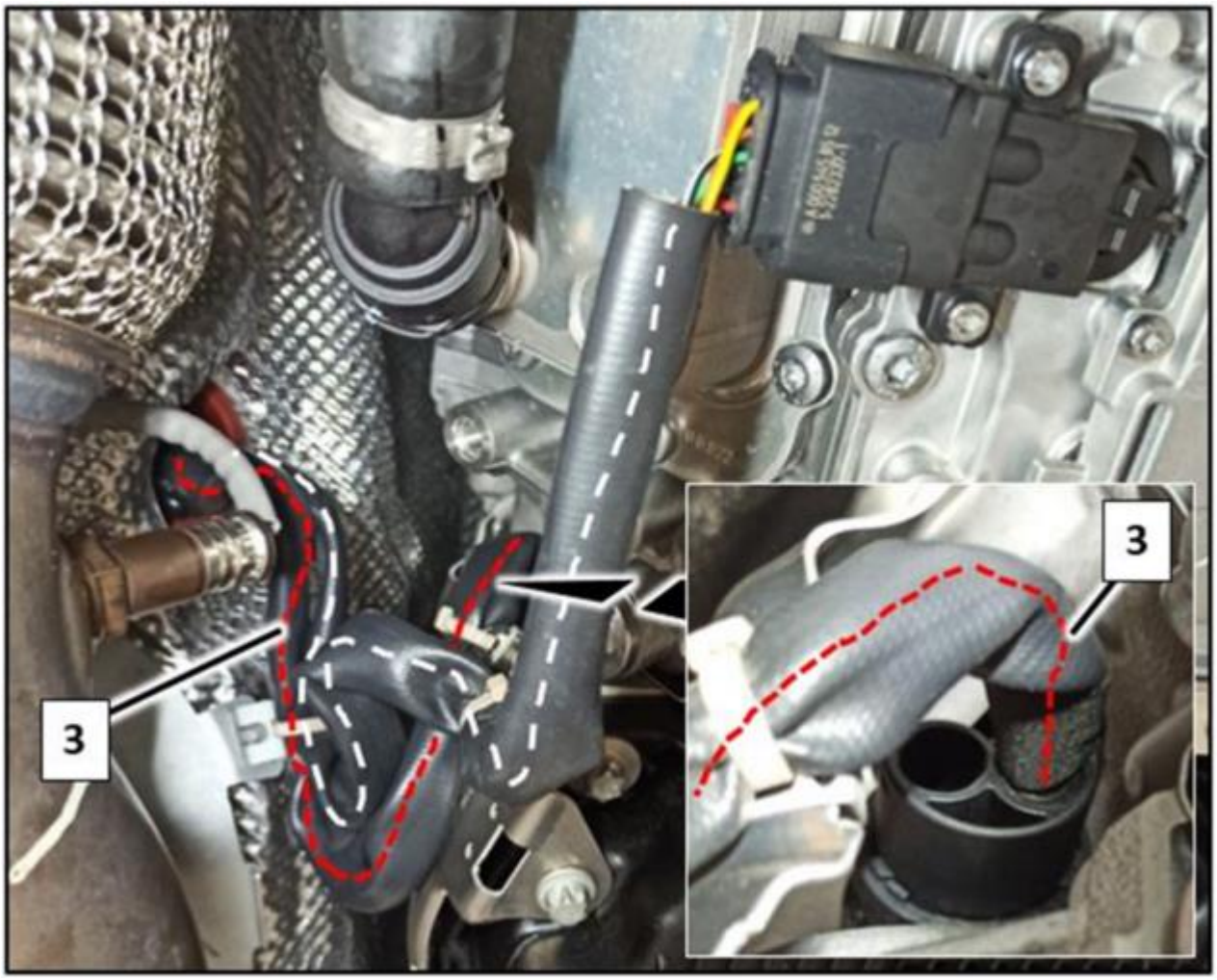

Figure 3

Work Procedure 1

ⓘ The electrical wiring harness is in contact but ***not damaged!***

1. Cut cable tie at first clip (5, Figure 4).

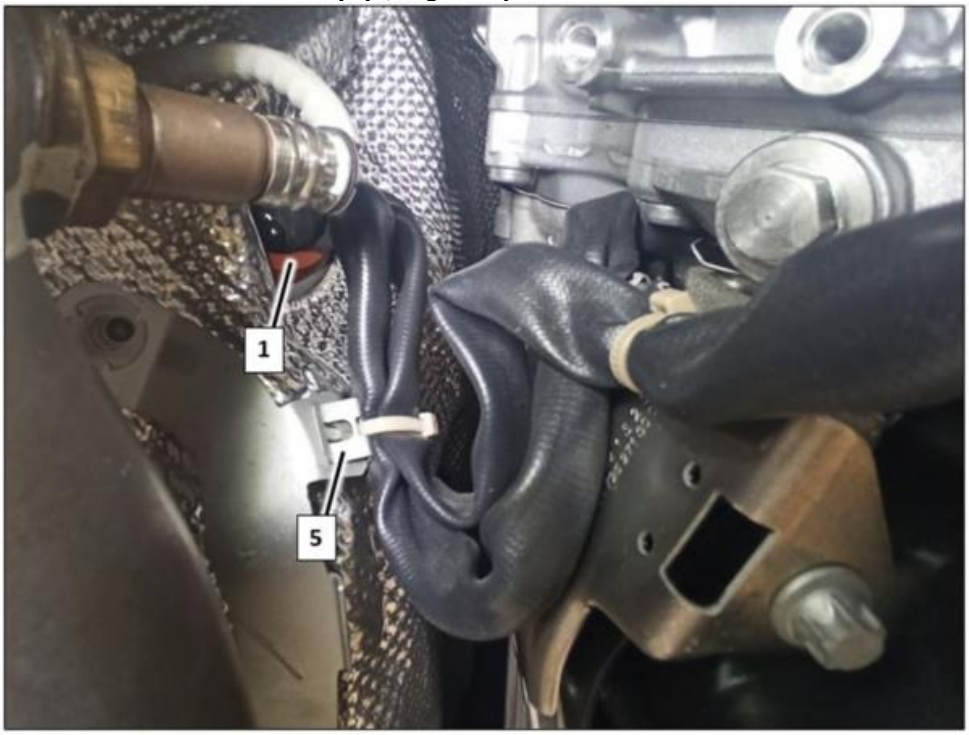

Figure 4

1. Adjust length of electrical wiring harnesses between red grommet **(1, Figure 4)** to first clip **(5, Figure 4)** as shown.
ⓘ The length must between **90 mm and max. 100 mm**. The electrical wiring harnesses ***may not be*** in contact!

2. Fasten both electrical wiring harnesses to the first clip with a new cable tie **(5, Figure 4).**
ⓘ Check whether both electrical wiring harnesses are in contact at a different location. If so, carry out further corrective measures.
ⓘ The electrical wiring harness may not be in contact at ***any point***!

3. Assemble in reverse order.

Work Procedure 2

ⓘ If the electrical wiring harness is in contact and ***is damaged.***

ⓘ Carry out the following procedure:

ⓘ **If only the protective hose is slightly damaged:**
1. Wrap fabric tape around affected area.

2. Route the electrical wiring harness **(2, Figure 5)** correctly as shown.
ⓘ The electrical wiring harness **(2, Figure 5)** may not be in contact at ***any point***!

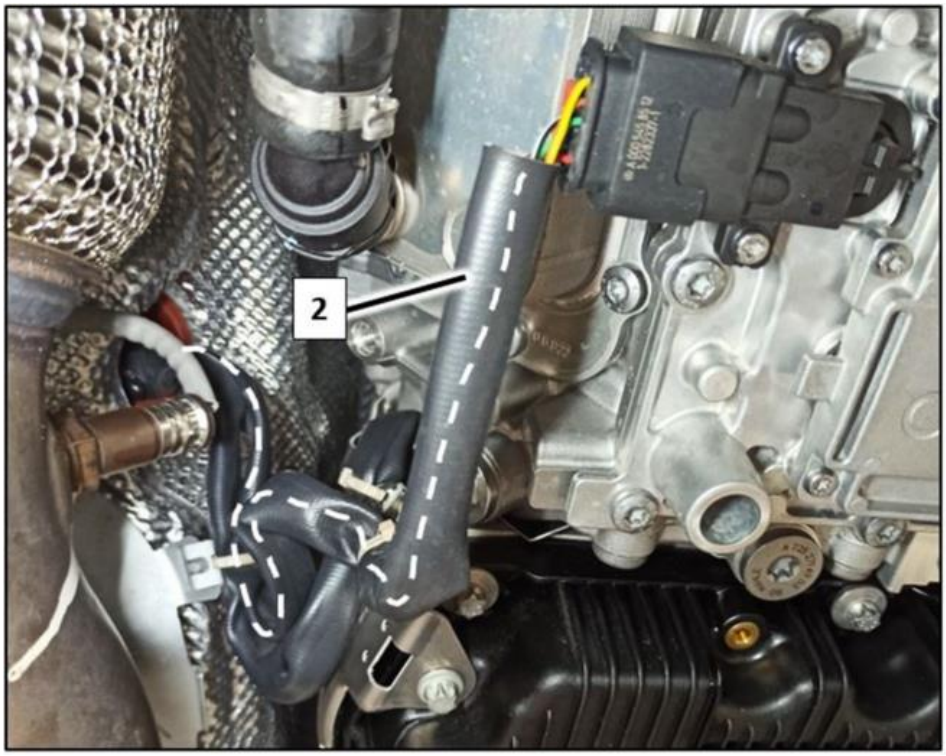

Figure 5

3. Assemble in reverse order.

If one or more of the electrical signal lines **(cable cross section 0.35 mm² or 0.75 mm²)** in the electrical wiring harness **(2, Figure 5)** are damaged:

1. Repair the affected electrical signal line **(cable cross section 0.35 mm² or 0.75 mm²)** in the electrical wiring harness **(2, Figure 5)** using a line connector.

For basic information, see AR00.19-P-0100A.

To do this, cut the protective hose and, once repaired, connect the two ends of the protective hose with fabric tape by means of line connectors.

2. Route electrical wiring harness **(2, Figure 5)** correctly as shown.

The electrical wiring harness **(2, Figure 5)** may not be in contact at ***any point***!

3. Assemble in reverse order.

Work Procedure 3

If the electrical **power supply line (3, Figures 6 and 7) (cable cross section 10 mm²)** is damaged, **replace electrical supply line**
(3, Figures 6 and 7):

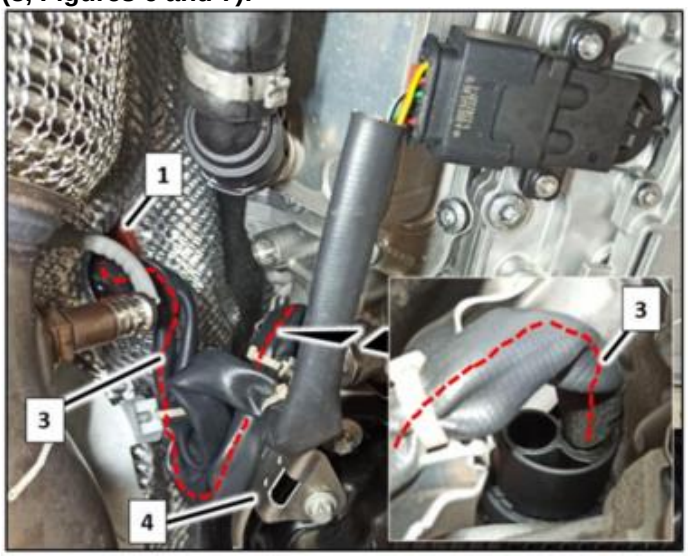

Figure 6

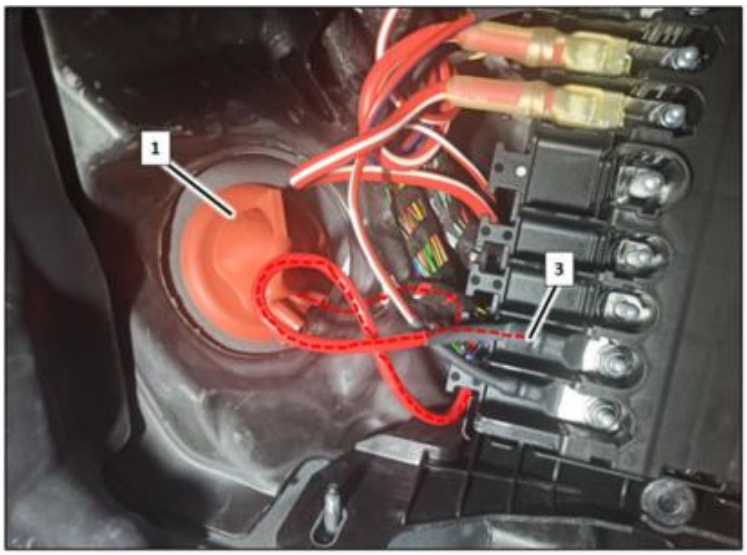

Figure 7

Use the following procedure to do this:

1. Disconnect ground line of battery of 12 V on-board electrical system.
   For basic information, see AR54.10-P-0051WT.
2. Remove protective metal sheet **(4, Figure 6).**
3. Disconnect electrical power supply line **(3, figure 6)** from electrical connector.
4. Remove front floor covering on the passenger side.
   For basic information, see AR68.80-P-0008WT.
5. Remove electrical power supply line **(3, Figures 6 and 7)** with grommet **(1, Figures 6 and 7)**.
6. Replace electrical power supply line **(3, Figures 6 and 7)**.
   The electrical wiring harness may not be in contact at ***any point***!
7. Assemble in reverse order.

Primary Parts Information

Qty.	Part Name	Part Number
As required (1)***	Fabric tape 25 m roll	A 007 989 07 85 08
As required	Line connector	**
As required	Cable tie	A 000 995 25 94
As required (1)*	Model 206 transmission wiring harness	*
As required (1)*	Model 206 transmission wiring harness ***(Code M254+421+(550/554) + (M005)***	*

* The required transmission wiring harness can be found in the Xentry parts process under the main group **54 ELECTRICAL EQUIPMENT AND INSTRUMENTS** in **Picture chart *545 – Picture number 700***.
** The required line connector can be found in the Xentry parts process under the main group **54 ELECTRICAL EQUIPMENT AND INSTRUMENTS** in **Picture chart 019** contacting parts.
*** One 25 m roll of fabric tape is sufficient for at least 10 vehicles.

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.

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 16	**12-1810**	Operations: Check electrical wiring harness in the area of the drive shaft and transfer case **Includes:** Remove/install rear section of lower engine compartment lining	0.3
	12-1811	Operations: Fasten electrical wiring harness with a cable tie (after check) **Work Procedure 1**	0.1
	12-1812	Operations: Wrap affected electrical wiring harness with fabric tape and route correctly (after check) **As required. In addition to Work Procedure 1**	0.1
	12-1813	Operations: Repair affected electrical signal lines using line connector (after check) **As required. In addition to Work Procedure 1**	ZM
	12-1814	Operations: Replace affected electrical power supply line (after check) ***Models 206.005/007/043/047/087*** **Includes:** Disconnect/install ground line at 12 V battery, remove/install front passenger side floor covering	1.0
	12-1814	Operations: Replace affected electrical power supply line (after check) ***Models 206.055/056/080*** **Includes:** Disconnect/install ground line at 12 V battery, remove/install front passenger side floor covering	0.9

Note: *Always check Xentry Operation Time (XOT) for the current OP-Code times. Labor times are subject to change and updates may not be reflected in this document.*