

Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2023070012, May 2024

Revision D: 5/31/2024

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Various Models**
Model Year 2021-2023

Replace Fuel Pump Delivery Module – Wave 6

Mercedes-Benz AG, the manufacturer of Mercedes-Benz vehicles, has determined that on certain MY 2021-2023 C-Class, E-Class, CLS, S-Class, SL, GT, GLC, GLE, GLS and G-Class (205/206, 213/238, 257, 223, 232, 290, 253, 167 and 463 platforms) vehicles, the fuel pump impeller might not meet current specifications in regard to material characteristics. As a consequence, the impeller might deform and then contact the fuel pump housing and result in mechanical resistance on the impeller. In some instances, this could cause the fuel pump to stop operating. As a result, the vehicle could lose propulsion, which could increase the risk of crash or injury. Before the fuel pump is switched off, the driver may be made aware of a malfunction by a warning message in the instrument cluster and might notice a roughly running engine. An authorized Mercedes-Benz dealer will replace the fuel pump delivery module on the affected vehicles.

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 143,551 vehicles are affected.

Order No. P-RC- 2023070012

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Replace Fuel Pump Delivery Module – Wave 6

Modification notes:

- Index 05 of part numbers A 205 470 51 03 and A 206 470 44 01 removed.
- Information added to operation item 12-1759.

Work Procedure

The fuel tank may only be filled up to a **maximum of 20%**.

i This corresponds to two lines (A) on the fuel display (**Figure 1**).



Figure 1 (shown on model 205)

1. Replace fuel pump.

i For basic data, see **AR47.20-P-5710***

* Select the WIS document according to the vehicle model.

i It **must be** ensured that the fuel lines are sealed with the stop plugs specified in WIS (**WS00.00-P-0255Z**).
The fuel lines must **not** run empty.

i Quick test **does not** need to be performed.

i Only model 206, 232: Note on disassembly of suction jet pump drive line quick connector. The procedure step 1-3 should only be performed when the quick disconnect is not working (**Figure 2**).

MRA2 Quick Connector suction jet pump drive line

Squeeze the QC connection by at least 1mm, then unlock the latching lugs. If this is not possible. Step 1 -3

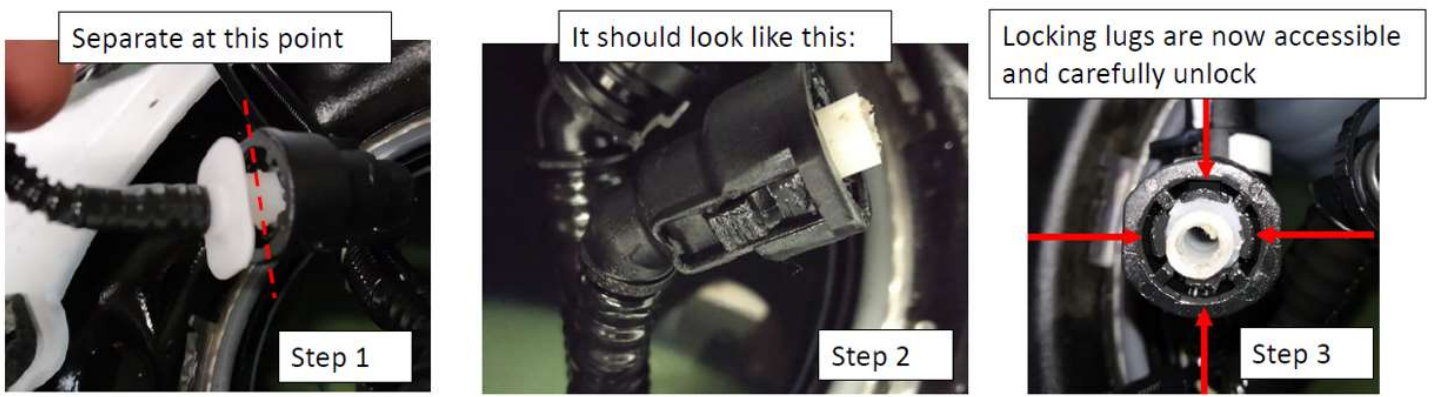
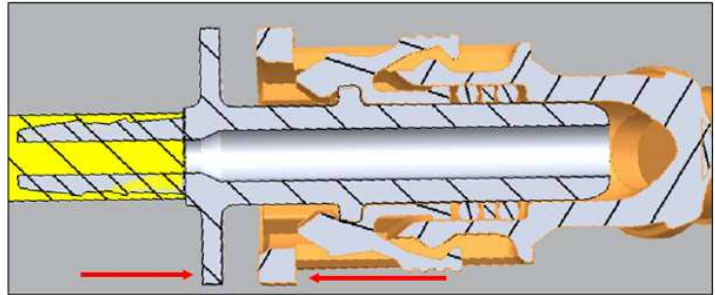


Figure 2

i Only for model 167

Contrary to the WIS document (**AR88.60-P-2001ME - Remove/install tank filler recess**), the tank filler recess must **not** be removed. Disconnecting the hose lines at the activated charcoal canister and the sealing bellows on the inside at the tank filler recess is sufficient.

Installation:

i Delivery modules that are delivered **without float-and-lever sensor** must be modified. (Figures 3-5)

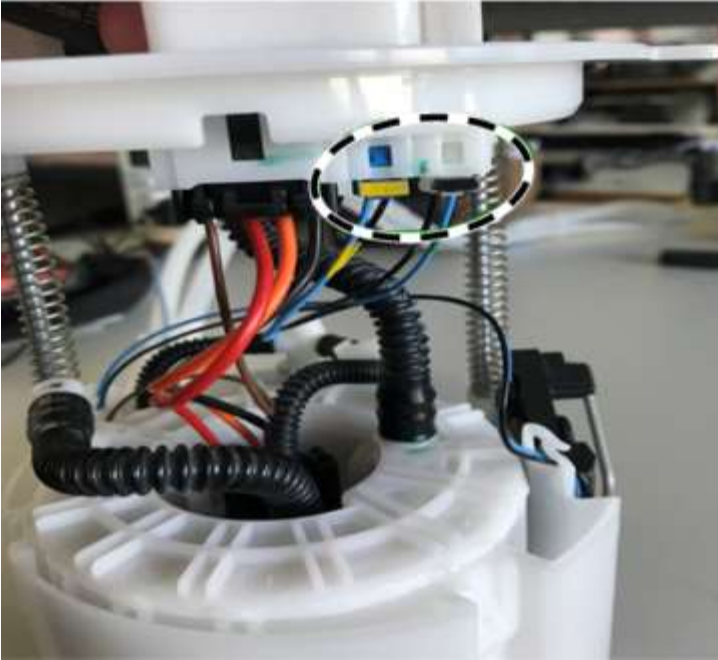


Figure 3 (release corresponding connector and disconnect the contacts)



Figure 4 (remove lines from routing clip)



Figure 5 (using a screwdriver, carefully push float-and-lever sensor housing away from module housing and at the same time push float-and-lever sensor housing upwards.)

2. Assemble in reverse order.

Primary Parts Information

i If one of the following delivery modules in **Column 1** was determined by the Vehicle Identification Number (VIN) in the XENTRY parts process, the delivery module in **Column 2** should be ordered and installed!

i If the determined delivery module from **Column 2** is not available for order due to parts constraints, the delivery module from **Column 1** can be ordered.

The delivery module in **Column 1** is supplied **with** float-and-lever sensor, and the delivery module in **Column 2** is supplied **without** float-and-lever sensor.

If a delivery module from **Column 2** is ordered and installed, proceed as per the operation item "**12-1759**".

i If the required delivery module, as determined in the XENTRY Parts Process is **not listed in Column 1**, please order the required delivery module according to the XENTRY parts process.

Column 1	Column 2
Delivery module as determined by VIN in the XENTRY parts process: i * If the part number has 12 digits, the last two digits can be ignored and the part from column 2 must be ordered!	Order and install delivery module without float-and-lever sensor:
A 167 470 03 94 /*	A 167 470 07 06
A 167 470 45 00 /*	A 167 470 06 06
A 167 470 69 00 /*	A 167 470 05 06
A 205 470 27 02 /*	A 205 470 52 03
A 205 470 49 00 /*	A 205 470 51 03
A 205 470 85 01 /*	A 205 470 50 03
A 206 470 44 01 /*	A 206 470 44 01

i The fuel pump locking ring is not required to be replaced and will not be covered under warranty.

Qty.	Part Name	Part Number
1	Delivery unit in right fuel tank	*
1	O-RING between delivery unit and fuel tank	*
6	Cap bolt, propeller shaft to transfer case (model 167)	*
As required	Cap bolt, propeller shaft to rear axle (model 167)	*
As required	Cap bolt, flex disk to rear propeller shaft (model 167)	*
1	Bolt and washer assembly, rear axle carrier to rear frame floor assembly (model 167)	*
3	MOUNTING PLATE PARTS KIT propeller shaft to transmission (model 463)	*
3	MOUNTING PLATE PARTS KIT propeller shaft to rear axle (model 463)	*

* The replacement parts must be determined according to the equipment variant for the vehicle identification number via the parts process in the Xentry Portal.

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.)
47 902 05	12-1754	Replace fuel delivery module Model 254	0.7
	12-1754	Replace fuel delivery module Models 205, 206, 213, 232, 238, 253, 257, 290	0.7
	12-1754	Replace fuel delivery module Model 223	0.8
	12-1754	Replace fuel delivery module Model 167 Includes: Remove fuel tank	5.6
	12-1947	Extra work for: Remove fuel tank for veh. with code M036 Only for model 167	1.3
	12-1754	Replace fuel pump (after check) Model 463 Includes: Remove fuel tank	4.0
	12-1759	Modify float-and-lever sensor at fuel delivery module (after check) i Only if fuel delivery module A 167 470 07 06, A 167 470 06 06, A 167 470 05 06, A 205 470 52 03, A 205 470 51 03 05, A 205 470 50 03, or A 206 470 44 01 05 from Column 2 is installed	0.1
	02-9736*	Operations: Empty, fill fuel tank	ZM
	02-0725*	Operations: Put fuel tank and fuel in storage; observe accident prevention regulations	ZM
02-0727	Operations: Extract fuel vapors (when working on the fuel system)	0.1	

* The operation items may only be invoiced if the fill level of the fuel tank is **above 20%**.

i 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.

The following step applies to California dealers only.

Apply Proof of Correction Label (A 000 584 54 13) to area identified in **Figure 1**. Fill in the blank areas of the label. The “**Campaign No.**” for the California Proof of Correction is unique and must be entered as such (23V445), your “**Dealer Code**”, and the “**Date**” of the repair, using a black permanent marker.

i Note: Clean bonding surface prior to affixing label.



Figure 1

The following step applies to California dealers only.

Provide the owner with the completed and signed Proof of Correction Certificate (A 000 584 42 14) (**Figure 2**), after you scan a completed form and attach to the RO. The recall number for the California Proof of Correction Certificate is unique and must be entered as such (23V445).

Figure 2

California Proof of Correction Parts Information

Qty.	Part Name	Part Number
1	Proof of Correction Certificate (CA Dealers Only)	A 000 584 42 14
1	Proof of Correction Label (CA Dealers Only)	A 000 584 54 13

Warranty Information (California dealers please submit claim on a separate line of the same RO as the campaign)

Damage Code	Operation Number	Description	Labor Time (hrs.)
212CA 00	02-0001	Apply Proof of Correction Label and completed Proof of Correction Certificate	0.1