

Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2021090012, October 2021

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model S-Class (223 platform)**
Model Year 2021

Check the Suction Jet Pump Nozzle

Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2021 S-Class (223 platform) vehicles, a nozzle in the suction jet pump in the fuel tank might not have been installed, or properly secured within the pump according to current production specifications. If the nozzle was not properly secured, it could detach within the suction jet pump. As a result, the pump might not be able to supply the fuel pressure necessary for certain driving scenarios (e.g. reduced fuel level, full throttle operation), which could lead to a sudden engine stall without warning, which could increase the risk of a crash. An authorized Mercedes-Benz dealer will check the fuel system on the affected vehicles and replace the fuel tank including the suction jet pump, 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 7 vehicles are affected.

Order No. P-SC-2021090012

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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Check the Suction Jet Pump Nozzle

Model 223

- i** • Ensure use of **XENTRY Diagnosis version BD/DVD (06/2021) with add-on 20752** or **(09/2021) with add-on 20754** or higher.
 - Before starting the work procedure, install the **current version of all add-ons** in **XENTRY Diagnosis**.
 - Make sure to follow the operation steps exactly as described in XENTRY Diagnosis.
 - If XENTRY Diagnosis is already connected to the vehicle, start with **operation step 2**.
- i** If two or more software updates or SCN codings are performed during one workshop visit, operation items 02-4762 and 02-5058 may be invoiced **only once for each workshop order**.

Check/test procedure

i Use XENTRY Diagnosis to determine the fuel pump speed while the engine is idle.

i The suction jet pump is permanently installed in the fuel tank.

1. Connect XENTRY Diagnosis.

2. Check suction jet pump.

i To do so, select menu item "Quick test view – N118/3 - Fuel pump control unit (FSCU10) – “Tests” – Test of component 'Suction Jet Pump' ".

i Then follow the user guidance in XENTRY Diagnosis.

i After the guided test, XENTRY Diagnosis indicates whether the tank needs to be replaced.

- a. Test **not OK**, component part must be replaced: Carry out **work procedure**.
- b. Test **OK**, component part need **not** be replaced: **End measure**.

Work procedure

1. Replace fuel tank.

i For basic data, see AR47.10-P-4100S.

i Empty fuel tank, carry out filling in accordance with AR47.10-P-4001S.

Parts

Primary Parts Information

Qty.	Part Name	Part Number
1	Fuel Tank*	A 223 470 04 00

* Determine the fuel tank according to the equipment variant for the chassis number via the parts job in the Xentry Portal.

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

Operation text and flat rate

Operations:

Check suction jet pump in fuel tank; Includes: Connect/disconnect XENTRY Diagnosis (02-0722)

Replace fuel tank (02-0723*)

Drain/fill fuel tank; observe accident prevention regulations (02-9736)

Put fuel tank and fuel in storage; observe accident prevention regulations (02-0725)

Suction off fuel vapors (when working on the fuel system) (02-0727)

Prepare fuel tank for disposal; observe accident prevention regulations (02-0726)

Perform wheel alignment check (02-9785)

Damage Code	Operation Number	Labor Time (hrs.)
47 900 15	02-0722	0.3 h
	02-0723*	10.5 h
	02-9736	Time prescribed by ASRA
	02- 0725	Time prescribed by ASRA
	02-0727	0.1 h
	02-0726	Time prescribed by ASRA
	02-9785	1.0 h

* Includes, for model 223: Connect/disconnect ground line of on-board electrical system battery; Remove/install center and rear sections of lower engine compartment lining; Remove/install left, right, and rear underfloor paneling; Remove/install 2 wheel and tire assemblies; Extra work for: Remove/install 2 wheel and tire assemblies in case of assembly with wheel lift dolly; Extra work for: Remove/install rear axle for vehicle with code 201/216; Extra work for: Remove/install fuel tank for vehicle with auxiliary heating; Modify fuel pump; Carry out brake test stand run.