Mercedes-Benz

Campaign No. 2019090019, October 2019

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model CLS-Class vehicles (257 platform)**
Model Year 2019
Wiring Harness for Electric Coolant Pump

Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2019 CLS-Class vehicles (257 platform) equipped with a 6-cylinder gasoline engine (M256), the electric power supply for the engine coolant pump might contact the engine fan and chafe. Chafing of the electric power supply for the engine coolant pump could lead to a malfunction of the engine coolant pump and/or a deactivation of the 48V on-board electrical system. If the engine coolant pump malfunctions, the engine coolant temperature might increase, potentially leading to an engine stall. If the 48V on-board electrical system becomes deactivated while the engine is running, the vehicle can continue to be driven. However, a restart of the engine would not be possible if the engine has been switched off by the ECO start/stop function or by the "Glide" mode functionality. In both cases, the vehicle propulsion would be lost, increasing the risk of a crash. An authorized Mercedes-Benz dealer will check for damage on the electric power supply to the coolant pump and repair it, if necessary. Additionally, the routing of the electric line will be modified in order to prevent potential contact with the engine fan.

Prior to performing this Recall Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired. Always Check VMI for any open campaigns, and perform accordingly
- Please review the entire Recall Campaign bulletin and follow the repair procedure exactly as described.

Please note that Recall Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

Approximately 3,264 vehicles are involved.

Order No. P-RC-2019090019
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.

Code B01 corresponds to 48 V TECHNOLOGY.

Check/test procedure

1. Check electrical wiring harness of electric coolant pump in area of fan for damage (figure 1).

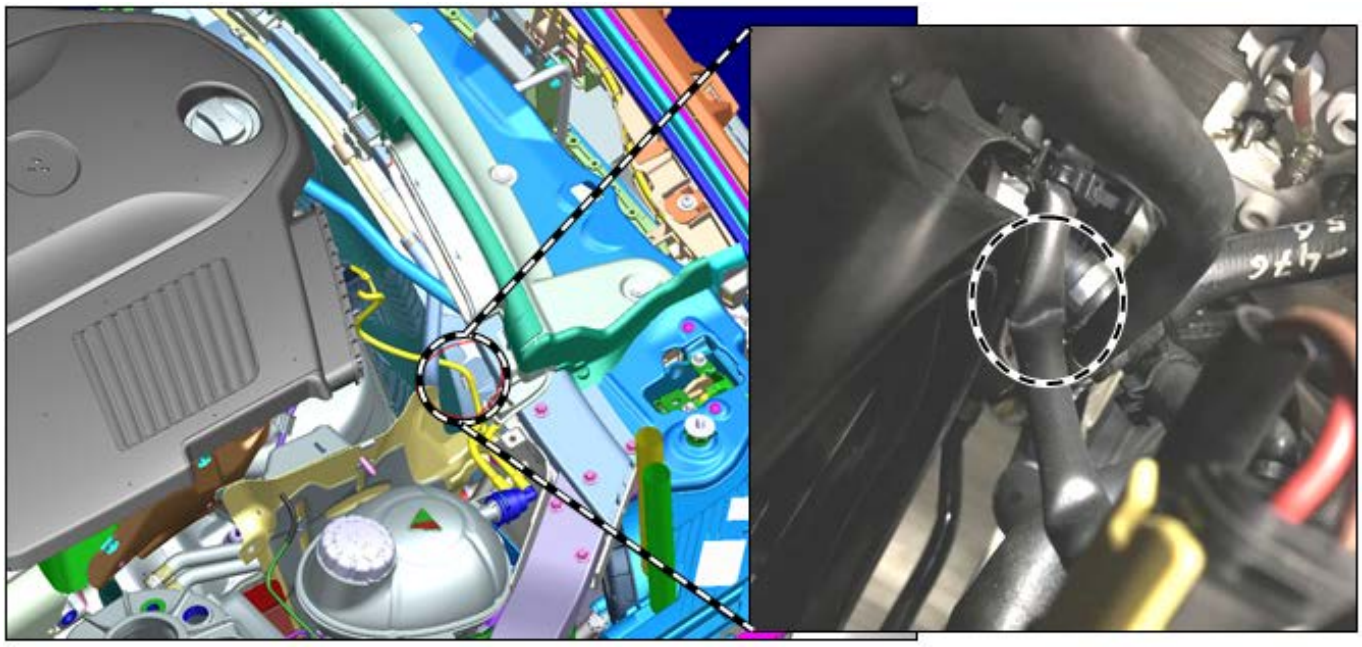

Figure 1

a. **Line insulation** and **protective hose** of electrical wiring harness **damaged**: Perform **work procedures A and B and C**.
b. **Only Protective hose** of electrical wiring harness **damaged** and **line insulation NOT** damaged: Perform **work procedures B and C**.
c. **Line insulation** and **protective hose** of electrical wiring harness **Both NOT** damaged: Perform **work procedure C.**

The **findings** from the check/test procedure must be recorded **in writing in the work order**.

Work procedure A

1. Disconnect ground line of 12 V on-board electrical system battery.
   For basic data, see **AR54.10-P-0003FR**.
   The power of the 48 V on-board electrical system is automatically disabled at the latest 10 s after the disconnection of the ground line of the 12 V on-board electrical system battery.

2. Rework damaged lines of electrical wiring harness using solder connector.
   For basic data, see **AR00.19-P-0100-09A**.

3. Assemble in reverse order.

Work procedure B

1. Wrap fabric tape around damaged area of protective hose.
   For basic data, see **AR00.19-P-0100-08A**.

Work procedure C

1. Replace mounting clip of electrical wiring harness at attachment rib of fan housing.
   Figure 2 shows old mounting clip!
   Figure 3 shows new mounting clip!
   Distance **(A, figure 3)** between electrical wiring harness and fan should be approx. 15 mm.

Figure 2

Figure 3

Primary Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
1	Mounting clip	A 001 995 19 90	100%
As required	Solder connector	A 000 982 93 10	4%
As required*(0.1)	Fabric tape	A 007 989 07 85	4%

*One roll will service 10 vehicles

Warranty Information

With Check and Work procedure C only

Operation: Check electrical wiring harness of electric coolant pump in engine compartment (02-1276)
Replace retaining clip for electrical wiring harness of electric coolant pump in engine Compartment (02-1279)

Damage Code	Operation Number	Labor Time (hrs.)
20 910 10 7	02-1276	0.1
	02-1279	0.1

With Check and Work procedure B and C only

Operation: Check electrical wiring harness of electric coolant pump in engine compartment (02-1276)
Replace retaining clip for electrical wiring harness of electric coolant pump in engine compartment (02-1279)
Rework protective hose for electrical wiring harness of electric coolant pump in engine Compartment (02-1278)

Damage Code	Operation Number	Labor Time (hrs.)
20 910 10 7	02-1276	0.1
	02-1279	0.1
	02-1278	0.1

With Check and Work procedure A, B, and C

Operation: Check electrical wiring harness of electric coolant pump in engine compartment (02-1276)
Replace retaining clip for electrical wiring harness of electric coolant pump in engine compartment (02-1279)
Rework protective hose for electrical wiring harness of electric coolant pump in engine Compartment (02-1278)
Rework electrical wiring harness of electric coolant pump in engine compartment (02-1277)*

Damage Code	Operation Number	Labor Time (hrs.)
20 910 10 7	02-1276	0.1
	02-1279	0.1
	02-1278	0.1
	02-1277*	0.3

* **Includes:** Unscrew/screw on ground line of on-board electrical system battery; extra work for: Unscrew/screw on ground line of on-board electrical system battery for vehicle. with rear battery

Note
Operation Number labor times are subject to change.