



Mercedes-Benz

Campaign No. 2015030004, April 2014

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 205 (C-Class), Model Year 2015
Fuel Tank Sender Cover**

This Recall Campaign has been initiated because Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has determined that during a post-production rework, two potential issues might have occurred: First, the steel locking plate that mechanically secures the flange of the fuel delivery module to the fuel tank, might not have been properly secured and may become loose over time. Secondly, electrical wires connecting to the fuel delivery module might have been pinched between the flange of the fuel delivery module and the tank. On these cars, the wire insulation may be damaged which could potentially lead to a failure of the fuel gauge and in some instances to a fuel pump stall and a vehicle disablement. This could increase the risk of an accident. To correct this condition an authorized Mercedes-Benz dealer will check the fuel sender for pinched wires and improperly secured locking plates. If necessary, the wiring will be properly re-positioned and all locking plates will be properly secured.

Attached is a sample copy of a letter which owners of the affected vehicles will receive.

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.
- 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 3,038 vehicles are involved.

Order No. P-RC-2015030004

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.

Repair Procedure

A. Inspect All Visible Electrical Wires on Fuel Tank and Fuel Feed Module for Damage

i **Note:** The fuel tank should not be more than $\frac{1}{2}$ full (Figure 1). Check fuel level and pump out fuel if necessary, refer to WIS: AR47.10-P-4001LW.


- It is only possible to remove (lower) fuel to approx. $\frac{1}{2}$ full.
- Use only approved fuel extraction tank when removing fuel from a vehicle. Approved fuel extraction equipment can be obtained through our equipment provider BASS at 1-888-458-4040 or via on-line at www.mbusassep.com.
- Use special tool: Fuel suction hose special tool no.: W900 589 00 90 00 to remove excess fuel through fuel tank fuel filler neck.
- When removing fuel suction hose from fuel tank filler neck: Do **not** use excessive force when pulling hose out of fuel filler neck. Open the fuel filler neck check valve by hand (using a screw driver) and pull the fuel suction hose out of the filler neck



Figure 1 (Non-US speedometer shown)

1. Disconnect battery ground line refer to WIS: AR54.10-P-0003LW.
2. Remove rear bench seat, refer to WIS: AR91.12-P-1020LW.
3. Open flange (B, Figure 3) on fuel feed module using special tool (A), refer to WIS: AR47.20-P-5710LW (**only** up to operation step 11).

i **Note:**

- Refer to video. 
- Mark the assembly position of locking ring (4, Figure 5) prior to removal (of locking ring).
- Disconnect electrical connector (1, Figure 2) and place to one side.
- Disconnect fuel line (2, Figure 2).

i **Note:** Use shop rag to capture any escaping fuel.

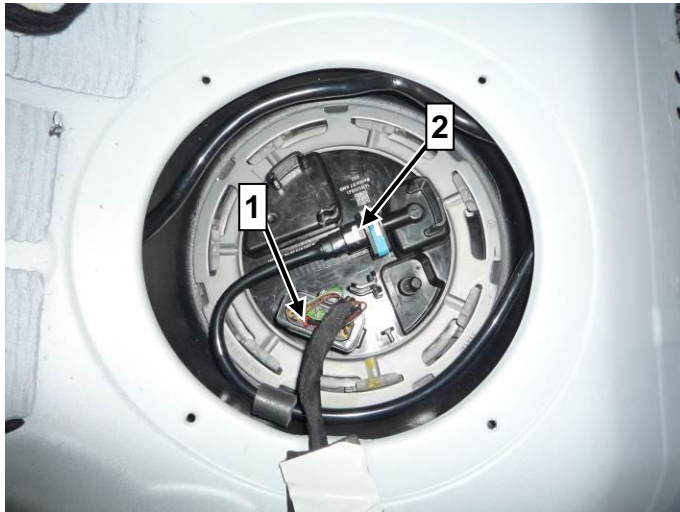


Figure 2

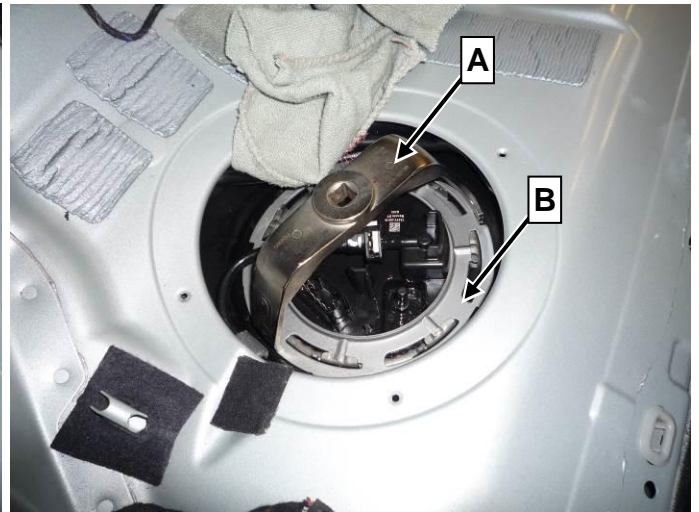


Figure 3

4. Check **all** visible electrical wires (Figure 4) on fuel tank and fuel feed module for damage.

i **Note:** A pinched wire is **not necessarily** damaged. A pinched wire is not damaged unless **wire strands are exposed**.

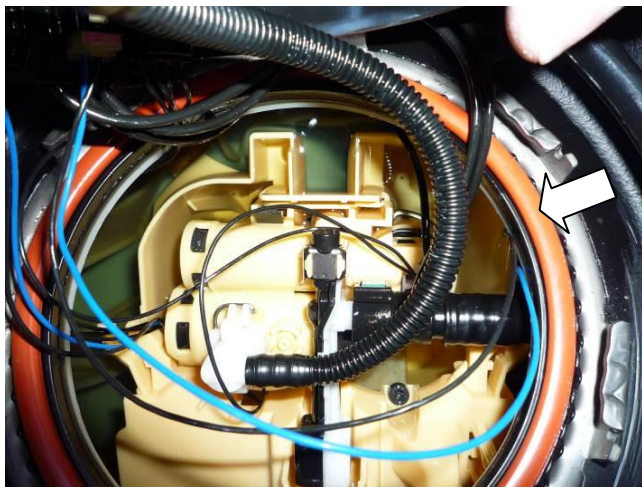


Figure 4

- If electrical wires on fuel tank **are** damaged (**Not OK**): Proceed to Subject B.
- If electrical wires on fuel feed module **are** damaged (**Not OK**): Proceed to Subject C.
- If electrical wires on fuel tank and fuel feed module are **not** damaged (**OK**): Continue with steps 5 - 10.

5. Replace O-ring (arrow, Figure 4) on feed unit flange:

- During assembly, use the lubricating paste as described in WIS: AR47.20-P-5710LW.
- The O-ring (arrow) must be inserted into the groove on the fuel tank.

i **Note:**

- Upon assembly, route the electrical wires so they **CANNOT** become pinched between the fuel tank and the flange.
- **No substitute** lubricant can be used to lubricate O-ring.

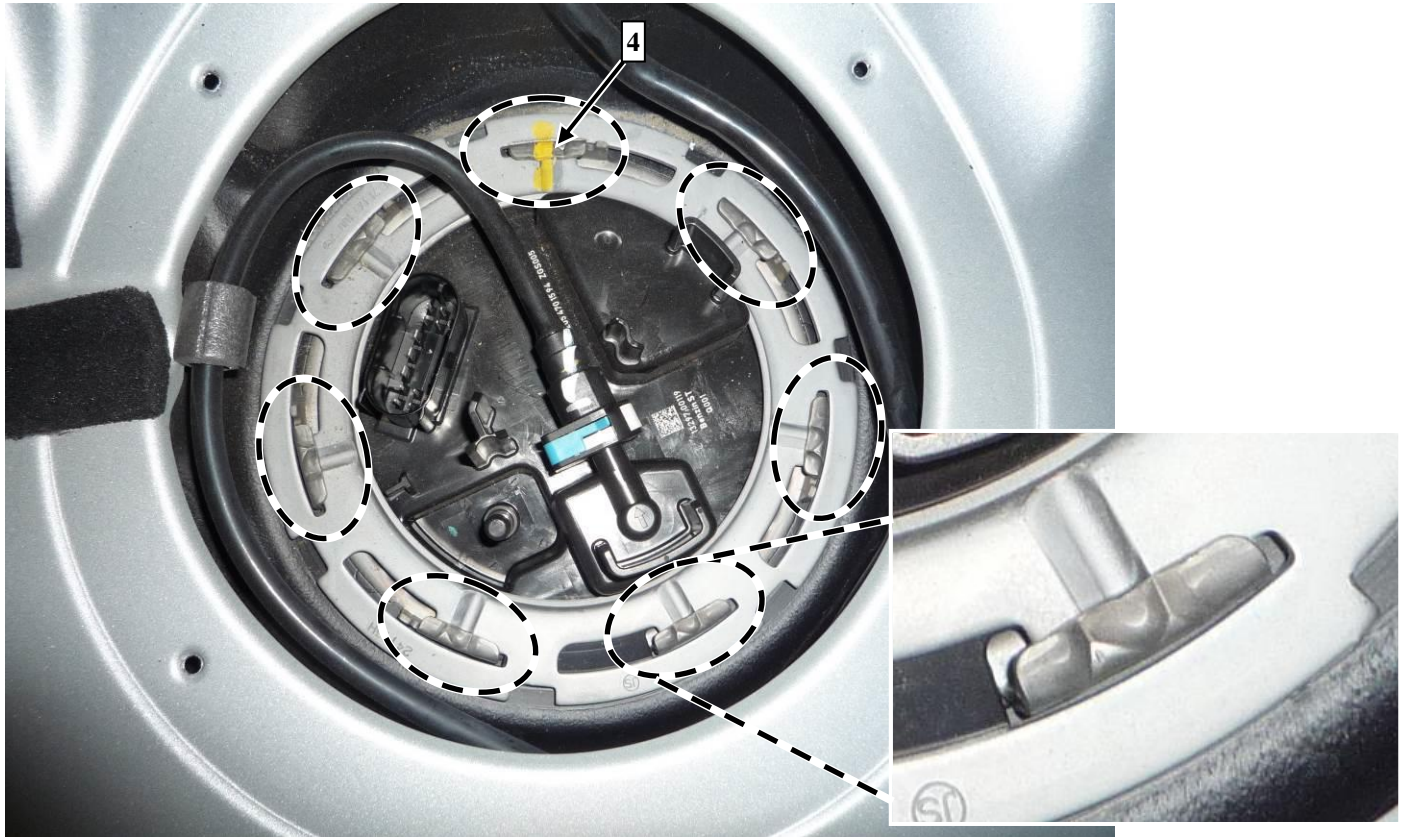


Figure 5

6. Reinstall flange. **Ensure proper engagement** (Figure 5).
7. Reconnect fuel line (2, Figure 2).
8. Reconnect electrical connector (1, Figure 2).
9. Start vehicle and check for leaks.
- 10 Assemble in reverse order.

B. Replace Fuel Tank

1. Replace fuel tank, refer to WIS: AR47.10-P-4100LW.

i **Notes** (Regarding referenced WIS documents)

- Some fuel will remain in left fuel tank chamber. Be careful when removing fuel tank, tank will be heavier on left side.
- Remove plastic under body panels prior to removing aluminum under body reinforcement (cross member).
- Do not remove brake caliper support when removing brake caliper (leave brake caliper support bolted to rear knuckle). Unbolt brake caliper from brake caliper support and temporarily secure to shock absorber.
- Do not unfasten rear shock absorbers from vehicle's body (detach from lower control arms).
- Do not remove catalytic converters. Remove exhaust from catalytic converter back to rear muffler.
- Do not remove engine mount or engine cross member.
- Do not remove left rear inner fender liner.
- Do not remove level sensors.
- Do not remove oxygen sensors

2. Replace O-ring (arrow, Figure 4) on feed unit flange:
 - During assembly, use the lubricating paste as described in WIS: AR47.20-P-5710LW.
 - The O-ring (arrow) must be inserted into the groove on the fuel tank.

i **Note:**

- Upon assembly, route the electrical wires so they **CANNOT become pinched** between the fuel tank and the locking ring.
 - **No substitute** lubrication can be used to lubricate O-ring.
3. Reinstall flange. **Ensure proper engagement** (Figure 5).
 4. Reconnect fuel line (2, Figure 2).
 5. Reconnect electrical connector (1, Figure 2).
 6. Start vehicle and check for leaks.
 7. Assemble in reverse order.

C. Replace fuel feed module

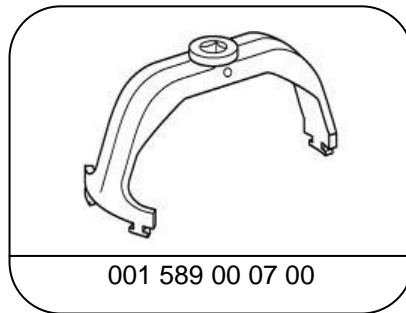
1. Replace fuel feed module, refer to WIS: AR47.20-P-5710LW.
2. Replace O-ring (arrow, Figure 4) on feed unit flange:
 - During assembly, use the lubricating paste as described in WIS: AR47.20-P-5710LW.
 - The O-ring (arrow) must be inserted into the groove on the fuel tank.

i **Note:**

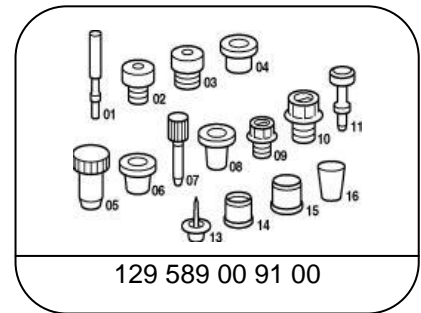
- Upon assembly, route the electrical wires so they **CANNOT become pinched** between the fuel tank and the flange.
 - **No substitute** lubricant can be used to lubricate O-ring.
3. Reinstall flange. **Ensure proper engagement** (Figure 5).
 4. Reconnect fuel line (2, Figure 2).
 5. Reconnect electrical connector (1, Figure 2).
 6. Start vehicle and check for leaks.
 7. Assemble in reverse order.


Special Tools and


Plank suction hose
Required as of 1st quarter 2010



Claw-type wrench
Required as of 3rd quarter 2006



Record plug
Optional as of 3rd quarter 2004

Equipment

Rotary Biltz

To place an order for the Rotary Biltz p/n 9-MG1BL please contact our equipment provider BASS at 1-888-458-4040 or via on-line at www.mbusassep.com)

Locally Procured Tool

Assenmacher® Tool: Angled Fuel/EVAP Clamp Pliers

For Assenmacher® tools please use this link:
http://asttool.com/search_results.php

Primary Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
1	O-ring	A 025 997 1845	100%
1 ¹⁾	Lubricating paste for O-ring	A 000 989 01 60 10	
1 (if required)	Fuel feed module	A 205 470 15 94	5 %
Include parts below if replacing fuel tank			
1	Fuel tank	A 205 470 63 01	1%
4	Bolt (rear sub-frame to floor)	A 003 990 46 03	
2	Nut, (rear shock absorber)	N 000000 003276	
2 (w/air springs)	Clips (air spring to body)	A 001 991 34 98	
1	Hose clamp	A 006 997 61 90	
1	Exhaust clamp ²⁾	A 000 995 14 33	
2	Exhaust clamp ³⁾	A 203 490 06 41	
1 ²⁾	Exhaust hanger nut	N 000000 003175	
2 ³⁾			

¹⁾ 1 container is sufficient for 250 vehicles. Submit as local purchase RLP00035 qty of 1, handling is included.

²⁾ Model 205.049

³⁾ Model 205.066

Warranty Information

Repair 1

Operation: Check electrical wires on fuel feed module (02-8935)*
Empty fuel tank, refill (02-8979)

Damage Code	Operation Number	Labor Time (hrs.)
47 901 49 7	02-8935	0.8
	02-8979	0.4

* Includes: Unscrew/screw on ground line of battery

Repair 2

Operation: Check electrical wires on fuel feed module (02-8935)*
Replace fuel tank (02-8941)
Empty fuel tank, refill (02-8979)

Damage Code	Operation Number	Labor Time (hrs.)
47 901 49 7	02-8935	0.8
	02-8941	5.8
	02-8979	0.4

* Includes: Unscrew/screw on ground line of battery

Repair 3

Operation: Check electrical wires on fuel feed module (02-8935)*
Replace fuel feed module (02-8942)
Empty fuel tank, refill (02-8979)

Damage Code	Operation Number	Labor Time (hrs.)
47 901 49 7	02-8935	0.8
	02-8942	0.3
	02-8979	0.4

* Includes: Unscrew/screw on ground line of battery



Note

Operation Number labor times are subject to change.



Mercedes-Benz

IMPORTANT SAFETY RECALL 2015030004
This notice applies to your vehicle

Mercedes-Benz USA, LLC

Gareth Joyce

Vice President
Customer Services

Fuel Tank Sender Cover
NHTSA Recall # 15V138

April, 2015

2015030004



Dear Mercedes-Benz Owner,

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has decided that a defect which relates to motor vehicle safety exists in certain Model Year 2015 C –Class vehicles concerning the fuel tank sender cover. Our records indicate that your vehicle is included in the potentially affected population of vehicles.

WE SENT YOU THIS NOTICE BECAUSE WE ARE CONCERNED ABOUT YOUR SAFETY.

DAG has determined that during a post-production rework, two potential issues might have occurred: First, the steel locking plate that mechanically secures the flange of the fuel delivery module to the fuel tank, might not have been properly secured and may become loose over time. Secondly, electrical wires connecting to the fuel delivery module might have been pinched between the flange of the fuel delivery module and the tank. On these cars, the wire insulation may be damaged which could potentially lead to a failure of the fuel gauge and in some instances to a fuel pump stall and a vehicle disablement. This could increase the risk of an accident. To correct this condition an authorized Mercedes-Benz dealer will check the fuel sender for pinched wires and improperly secured locking plates. If necessary, the wiring will be properly re-positioned and all locking plates will be properly secured.

This service will be provided free of charge. We are dedicated to always delivering the Best or Nothing – and respect for your time is a top priority. While the minimum repair time is approximately one and 1/2 hours, your dealer can provide you with a better estimate of the overall time for this service visit. As a matter of normal service process, an authorized Mercedes-Benz dealer will also check for other repair measures which might be applicable to your vehicle and this may increase the required working time.

For additional information and to schedule an appointment please contact **MERCEDES-BENZ** or another authorized dealer, at your earliest convenience. To locate additional authorized dealers see www.MBUSA.com/dealerlocator. **Please mention you are scheduling an appointment to check the fuel sender module under Recall Campaign # 2015030004.** You may be asked for your 17-digit Vehicle Identification Number (VIN) which, for your convenience, is located above your name at the top of this letter.

In the event that you are no longer the vehicle owner, or have had a change of address, please complete the reverse side and return the updated information in the enclosed envelope. If this is a leased vehicle and the lessor and registered owner receive this notice, please forward this information by first class mail to the lessee within 10 days to comply with federal regulations.

Should you have any questions or encounter any difficulty regarding this Recall Campaign please contact an authorized Mercedes-Benz dealer. If for any reason a dealer is unable to remedy your situation, we are always happy to hear from you. Please contact us at 1-(800) FOR-MERCEDES (1-800-367-6372). A new vehicle identification number (VIN)-based recall lookup tool, on our MBUSA.com website, now offers a search function that will indicate whether a vehicle has been subject to a safety recall, and whether that vehicle has had the free remedy performed. See www.MBUSA.com/recall.

If an authorized Mercedes-Benz dealer or MBUSA fails or is unable to perform this service without charge within 60 days, pursuant to law 49 U.S.C. Chapter 301, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, D.C. 20590 or call the toll-free Auto Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153); or go to <http://www.safercar.gov>.

We regret any inconvenience this situation may cause you.

Sincerely,

Mercedes-Benz USA, LLC
One Mercedes Drive
P.O. Box 350
Montvale, NJ 07645-0350
Phone 1-800-FOR-MERCEDES (1-800-367-6372)
Fax (201) 476-6211
www.MBUSA.com

IMPORTANT

IF FOR ANY REASON YOU DO NOT NOW OWN THIS VEHICLE OR HAVE A CHANGE OF ADDRESS, PLEASE COMPLETE THE SECTION BELOW, PLACE IN THE ENCLOSED ENVELOPE, AND DROP IN ANY MAIL BOX. IF POSSIBLE, PROVIDE THE NAME AND ADDRESS OF THE PRESENT OWNER SO THAT WE MAY CONTACT THEM.

- SCRAPPED**
- STOLEN**
- OTHER** _____
- SOLD** **I HAVE SOLD THE VEHICLE TO:**
- MY NEW ADDRESS IS:**

NAME _____

STREET _____ **APT.** _____

CITY _____ **STATE** _____ **ZIP** _____

PHONE _____

THANK YOU FOR YOUR COOPERATION