

FILE: SERVICE: GROUP 00 OF SERVICE INFORMATION BINDER
PARTS: GROUP I OF INFORMATION – PARTS & ACCESSORIES BINDER

Campaign No. 2005080007

September 2005

TO: ALL MERCEDES-BENZ CENTERS
SUBJECT: **MODEL 463 (AMG), MODEL YEAR 2005
REPLACE FUEL RETURN LINE**

This Recall Campaign has been initiated because DCAG has determined that on the affected vehicles (see VIN range below), due to a supplier manufacturing fault, the fuel return hose in certain G55 AMG vehicles may become permeated with fuel. This condition results from the expansion and contraction of the hose under operating pressure causing micro-cracks in the hose material. These micro-cracks may result in cracks through which fuel can leak. Under some circumstances leaking fuel may come in contact with hot exhaust components and lead to a possibility of fire. The dealer will replace the fuel return hose.

Please review the Effective Serial Number Chart located below.

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 insure the vehicle is involved and to determine if the vehicle has been previously repaired.
- Please review the entire Recall Campaign bulletin.

Approximately 485 vehicles are involved.

Effective Serial Number Range

Models	Chassis End Number	
	From	To
463.271	X146910	X161352

Note:

VMI must always be checked before performing campaigns to verify that the campaign is required on a specific vehicle. VMI **always** overrides the bulletin in reference to a specific vehicle's inclusion in a particular campaign. Please also note that Recall and Service Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

Order No. T-RC-2005080007

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.

Procedure

WARNING!

Risk of explosion caused by ignition of fuel. Risk of poisoning caused by inhaling or swallowing fuel as well as risk of injury to skin and eyes exposed to fuel. Do not expose fuel or fuel vapors to sparks, open flames, or heated objects. Wear protective clothing: gloves, safety goggles.

1. Partially drain fuel tank if fuel level is above $\frac{1}{2}$ tank reading on fuel gauge using fuel extraction tank.

Note:

- Remove fuel from tank by pumping it out through fuel filler neck using suitable extraction pump.

WARNING!

Risk of explosion caused by ignition of fuel. Ensure extraction pump is grounded.

- Do not drain entire fuel tank. Drain fuel until fuel gauge reads $\frac{1}{2}$ tank.
2. Loosen clamp (arrow, Figure 1), disconnect fuel return hose (A) from fuel tank fitting.

Note:

Discard old clamp.

3. Open cable ties (arrows, Figure 2) securing lines along frame.

Note:

Total amount of cable ties: 7.

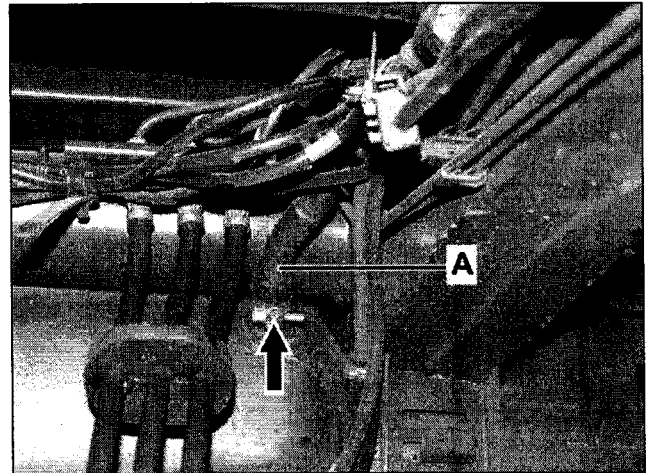


Figure 1

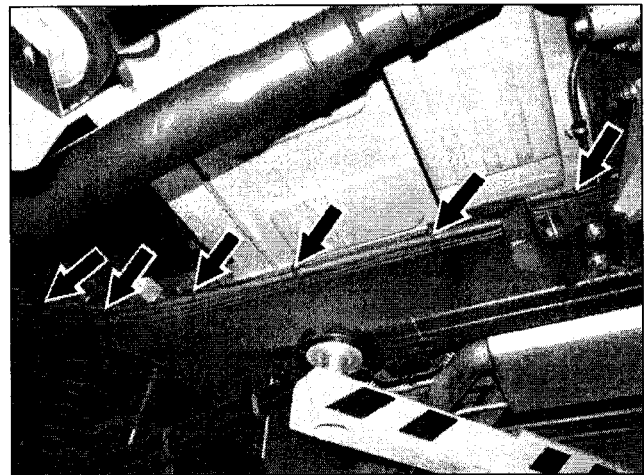


Figure 2 (not all cable ties are shown)

4. Unclip fuel feed line (A, Figure 3) then unclip return line (B) from retaining clips (arrows) on frame.

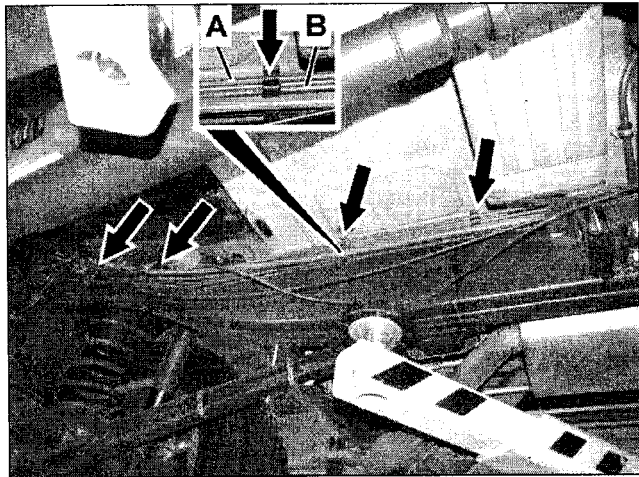


Figure 3 (not all retaining clips are shown)

5. Disconnect fuel return hose (A, Figure 4) from pressure regulator:
 - Place drain pan below fuel hose (A) to capture any fuel that may drain from fuel system.
 - Remove and discard clamp (arrow) then disconnect fuel return hose (A) from pressure regulator.

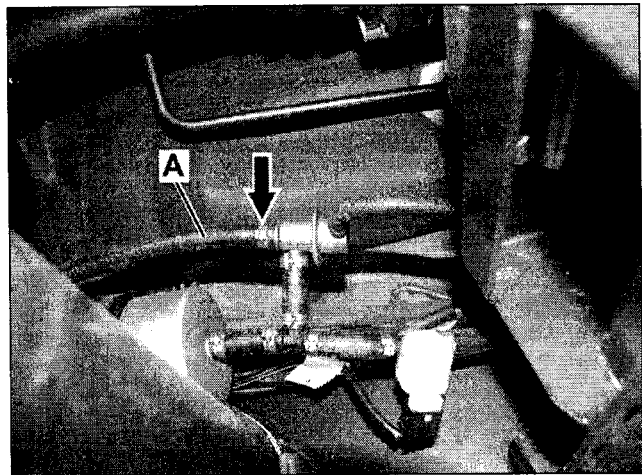


Figure 4

6. Remove fuel return line (arrows, Figure 5) from vehicle frame:
 - Place drain pan below fuel return hose at rear of vehicle.
 - Slide fuel return line (arrows) forward slightly until it clears fuel tank and can be lowered at rear axle.
 - Remove return line (arrows) by sliding line (arrows) out from frame toward the rear of vehicle.

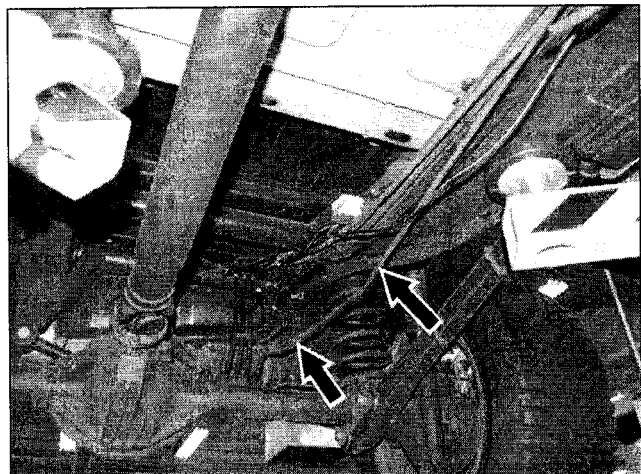


Figure 5

7. Transfer fuel return hose (A, Figure 6):
 - Remove fuel return hose (A) from **front** of original (removed) fuel line.
 - Connect fuel return hose (A) to **front** (pressure regulator side) of new fuel return line (B) and secure with **new hose clamp** (arrow).

Note:

Ensure hose positioning clip (C, Figure 6) is locked onto fuel hose (A) and is located in same position on hose (as it was on previous version hose). Refer to **CAUTION** on following page.

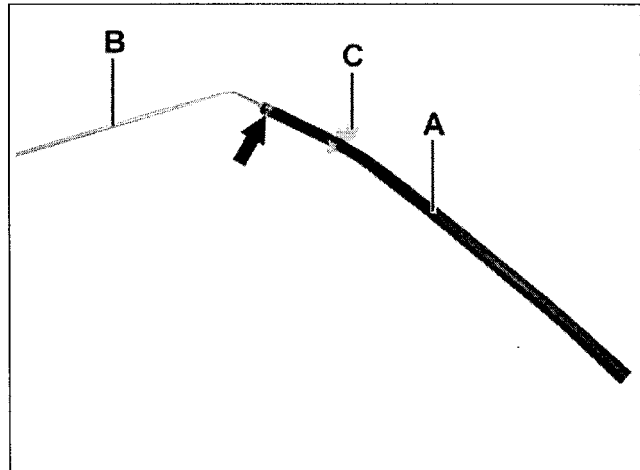


Figure 6

8. Route new fuel return line (B, Figure 7) along fuel line retaining clips (arrows) in reverse order of removal.

Note:

Do not lock fuel return line (B) into retaining clips at this time (arrows).

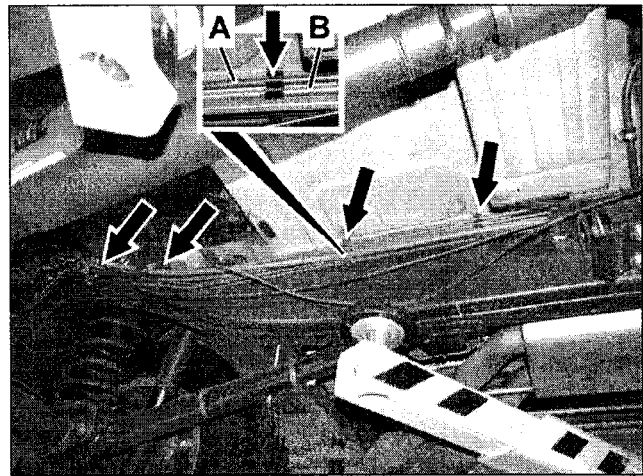


Figure 7 (not all retaining clips are shown)

9. Install new fuel hose assembly:
 - Connect large fuel hose (A, Figure 8) to fuel tank fitting.
 - Open **new screw clamp** (C) by removing screw (B) (prior to installing clamp on hose).
 - Temporarily position clamp (C) at **end** of hose (A [near tank]).

Note:

Clamp (C) is shown in final installed position.

- Turn screw (B) into clamp (C) until it begins to start (engage) into threads (do not tighten).
- **Apply soap solution to outside of hose (A)** then slide clamp (C) slightly up from end of hose (A).

Note:

Ensure that the distance (distance = X, Figure 8) between end of hose (A) and bottom of hose clamp band (C) is approx. 3 mm.

- Tighten hose clamp (B).
- Connect new small hose (D) to new fuel return line (E) and secure with **new clamp** (arrow). (Refer to **CAUTION** on following page)

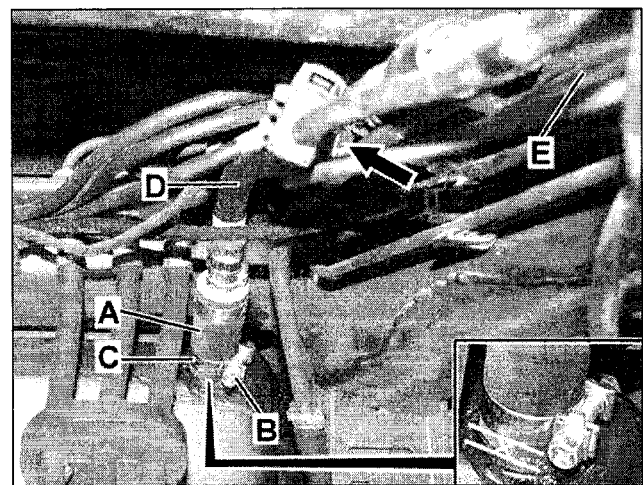


Figure 8

10. Connect fuel return fuel hose (A, Figure 9) to pressure regulator secure with **new clamp** (arrow).

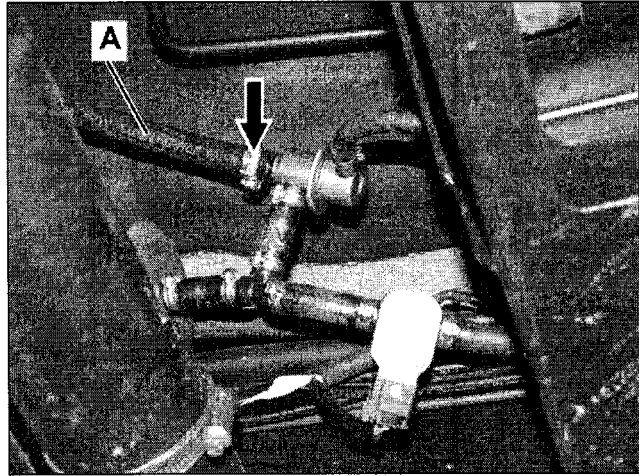


Figure 9

⚠ CAUTION!:

- Ensure ear type (crimp) clamps (arrows, Figures 6, 8, 9) are properly installed to prevent leakage. Visually inspect that clamps are securely locked onto hose after crimping. Use recommended crimping tool (see Special tool section on following page).
- To prevent fuel hose chafing, ensure hose positioning clips (arrow, Figure 10) are reinstalled in the same position on the fuel hoses (as originally installed) and that hoses are securely engaged into the clips (arrow).

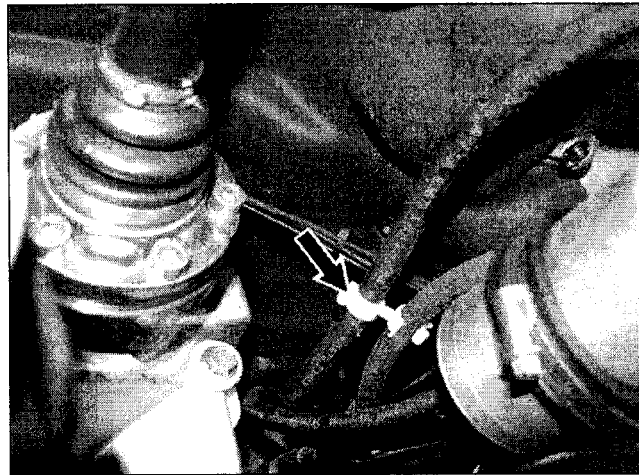


Figure 10

11. Lock fuel lines (A, B Figure 11) into retaining clips (arrows) in reverse order of removal:
- Lock fuel return line (B) into rear position of retaining clips (nearest to vehicle's frame).
 - Position fuel feed line (A) into retaining clips (arrows) in front of fuel return line (B), then secure by locking into place.

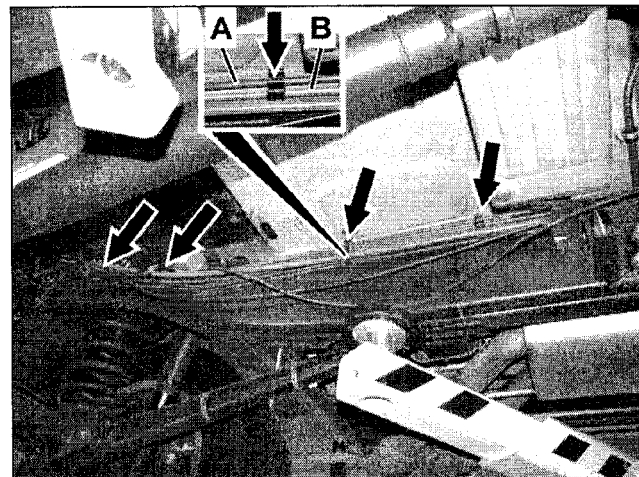


Figure 11 (not all retaining clips are shown)

12. Secure lines (routed along frame) with cable ties (arrows, Figure 12).

Note:

- Total amount of cable ties: 7.
- Inspect cable ties to ensure they were not damaged during removal of fuel line, replace any damaged cable ties.

13. Refill tank to original level with original removed fuel using the fuel extraction pump.

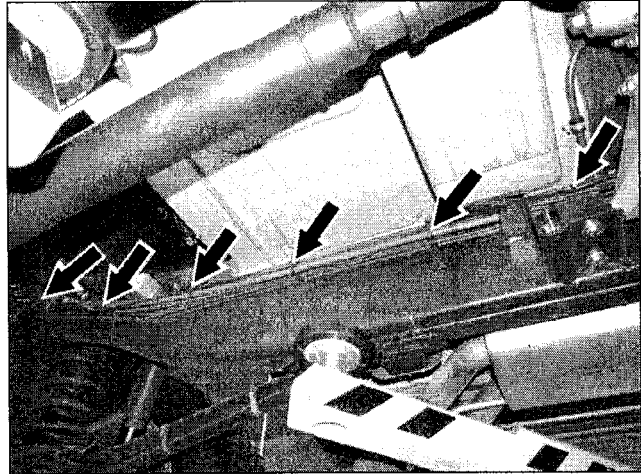
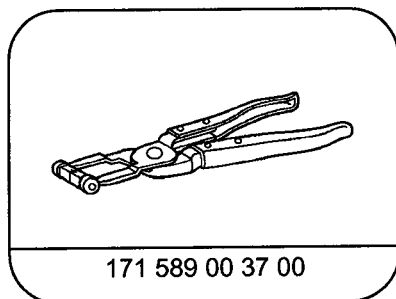


Figure 12 (not all cable ties are shown)

Note on Parts Return:

Please follow the instructions as per the attached "Hazardous Material Shipping Guidance" and return each removed part in the proper shipping package.

Special Tools

Plier: Clamp

Note:

This Special Tool was automatically released to all MBUSA dealers on August 20, 2004 as a Required Special Tool, and it should therefore already be in your inventory.

Primary Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
1	Return hose	A 463 476 73 26 05	100%
1	Return line	A 463 476 07 02 05	100%
1	Screw Hose clamp	A 004 997 74 90 05	100%
3	Crimp Hose clamps	A 006 997 18 90 05	100%

NOTE:

THE FOLLOWING SECONDARY PART(S) IS/ARE NOT TO BE ORDERED IN EQUAL QUANTITIES AS THE PRIMARY PART(S). THEREFORE DO NOT PACKAGE OR KIT CAMPAIGN PARTS TOGETHER SINCE NOT ALL VEHICLES WILL REQUIRE THESE PARTS.

Secondary Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
As required (Maximum of 7)	Cable ties	A 001 997 41 90	25%

Note:

- Please be aware that only the part number(s) referenced in the Campaign Bulletin is/are approved for use to repair the vehicle. Repairs performed using any other part(s) will not have been performed in accordance with the campaign. Accordingly, warranty claims submitted with reference to an improper part number(s) will be denied.
- The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information

Operation: Fuel return hose and line - pressure regulator to fuel tank, Replace (02-4981)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
47 910 14 7	02-4981	1.0 hrs.	L3

NOTE REGARDING CUSTOMER REIMBURSEMENT

Reimbursement to customers for repairs performed prior to this recall:

If the customer already paid to have this recall campaign condition repaired and provides adequate documentation to support their claim of a non-warranty repair of this item, they may be eligible to receive reimbursement.

Requests for reimbursement may include parts, labor, fees and taxes.

Reimbursement is limited to the amount the repair of the fuel return line, and related parts associated to these replacements (ex. clamps) would have cost if completed by an authorized Mercedes-Benz dealer under this campaign.

Submit a warranty claim, utilizing Damage Code 47910148 as a sublet, utilizing the sublet code of "SUB." Sublet repairs require dealer text as stated in the Warranty Policies and Procedures Manual. Repair date should be the date that the customer paid for the repair.

Note:

Please note the claim submitted for customer reimbursement will **not** close the campaign (if still open). If the customer is still in possession of the vehicle with an open campaign, please arrange to close the campaign in the usual manner as described in this bulletin.



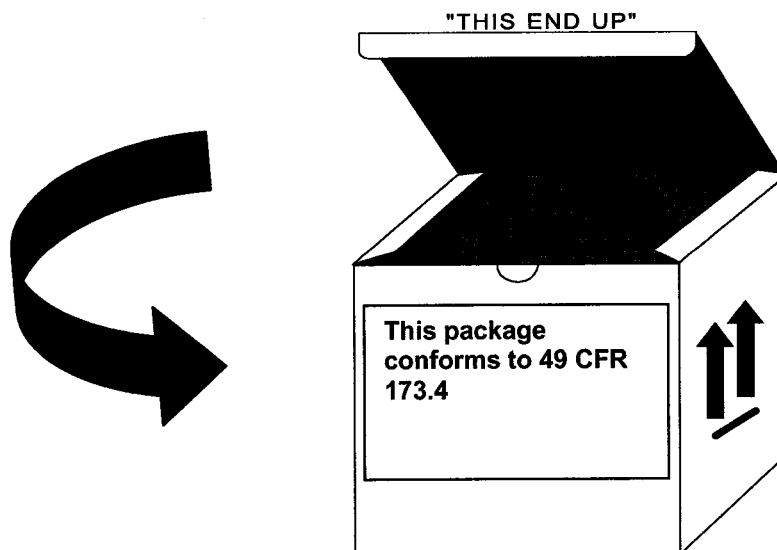
Hazardous Material Shipping Guidance

Product Name: Fuel contaminated automotive parts	Hazardous Properties: Contains ≤ 30 milliliters (≤ 1 ounce) of gasoline per part
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Ship as a DOT Small Quantity Exception

Paperwork: No Hazardous Material Bill of Lading Required	Packaging: ■ Place one fuel contaminated part per plastic bag. ■ Place sufficient absorbent into the plastic bag to capture all liquid and place sufficient cushioning to ensure parts are securely packed and do not rattle. ■ Pack plastic bag inside of a sturdy cardboard box that can withstand a 6-foot drop test. ■ Close plastic bag securely. Close box securely. ■ Place a label with the text shown below on the outside of the box.
Maximum Number of Fuel Contaminated Parts per box: Up to 64 pounds total aggregate weight of box	

**This package conforms to
49 CFR 173.4**



Safety Recall #2005 080007

September, 2005

Dear Mercedes-Benz Owner,

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. WE SENT YOU THIS NOTICE BECAUSE WE ARE CONCERNED ABOUT YOUR SAFETY.

DaimlerChrysler AG (DCAG), the manufacturer of Mercedes-Benz vehicles, has decided that a defect which relates to motor vehicle safety exists in certain Model Year 2005 G55 AMG vehicles. Mercedes-Benz USA, LLC (MBUSA) therefore has initiated a recall of these vehicles. Our records indicate that your vehicle is included in the affected population of vehicles.

Due to a supplier manufacturing fault the fuel return hose in certain G55 AMG vehicles, may become permeated with fuel. This condition results from the expansion and contraction of the hose under operating pressure causing micro-cracks in the hose material. These micro-cracks may result in cracks through which fuel can leak. Under some circumstances leaking fuel may come in contact with hot exhaust components and possibly lead to a fire.

Your authorized Mercedes-Benz dealer has available a replacement fuel return hose that it will install in your vehicle to correct the situation described above. This service will be provided free of charge. The working time required is approximately 1 hour. If possible, please arrange it so your fuel level is at no more than one half tank when you bring your vehicle to the dealership. This will help to reduce the time to complete the repair. As a matter of normal service process, your 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. Please contact your authorized Mercedes-Benz dealer for additional information and to schedule an appointment at your earliest convenience. Please mention Recall Campaign #2005 080007.

If you are no longer the vehicle owner, or have a change of address, please complete the reverse side of this letter and return the complete letter 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. If you have paid to have this recall condition corrected prior to this notice you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

Please contact your authorized Mercedes-Benz dealer should you have any questions or encounter any difficulty regarding this recall. If your dealer is unable to remedy your situation please contact us at 1-(800) FOR-MERcedes (1-800-367-6372).

If an authorized Mercedes-Benz dealer or Mercedes-Benz USA, LLC, 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, 400 Seventh Street, S.W., 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 apologize for any inconvenience this situation may cause you.

Sincerely,

Klaus Ulkann
Vice President, Customer Services