

## 2009 Mercedes Benz Truck ML 350 (164.156) V6-3.5L (272.967)

Vehicle » Technical Service Bulletins » All Technical Service Bulletins » Campaign - Retrofit Camshaft Adj. Solenoid Adapter Wire Harness

Campaign No. 2012070002, November 2012

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: Models 164, 171, 203, 204, 207, 209, 211, 212, 216, 219, 221, 230, 251, 463

Engines 272 and 273

Model Years 2005 - 2011

Retrofit Adapter Wiring Harness on [Camshaft](#) Adjustment Solenoids

Revision	Date	Purpose
B	11/6/12	Inclusion of Primary Loss Damage to Warranty information
A	9/12/12	Inclusion of Consequential Damage and Customer Reimbursement to Warranty information
-	9/7/12	Initial Issue

### Revision/Date/Purpose

This Service Campaign has been initiated because Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has determined that due to the settling properties of the seal, oil may leak from the [camshaft](#) adjustment solenoid. Dealers will retrofit four adapter harnesses onto the engine wiring harness as a precautionary measure at the next workshop visit

Prior to performing this Service 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 Service Campaign bulletin and follow the repair procedure exactly as described.

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

Approximately **1,064,723** vehicles are affected.

Approximate number of vehicles affected shown above

Procedure

1. Remove top engine cover to get access to **camshaft** adjustment solenoids as required.

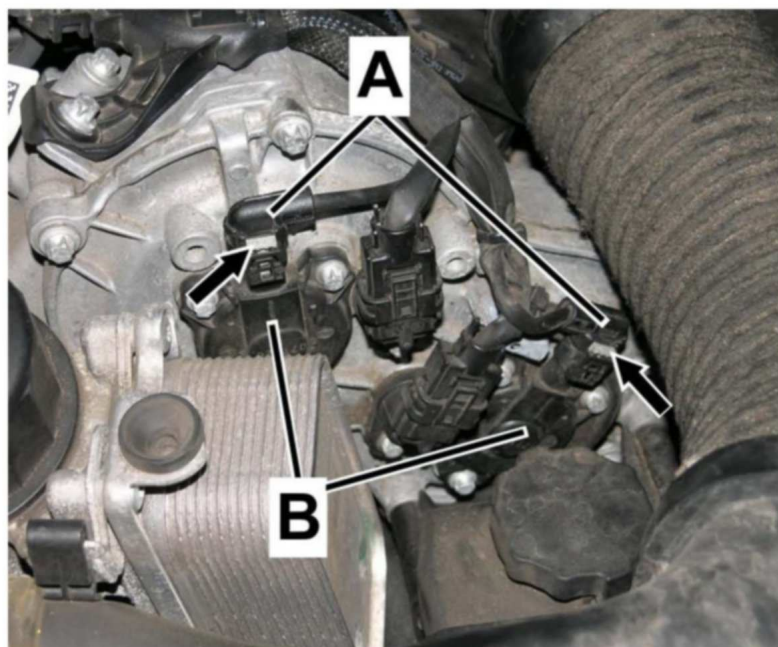


Figure 1

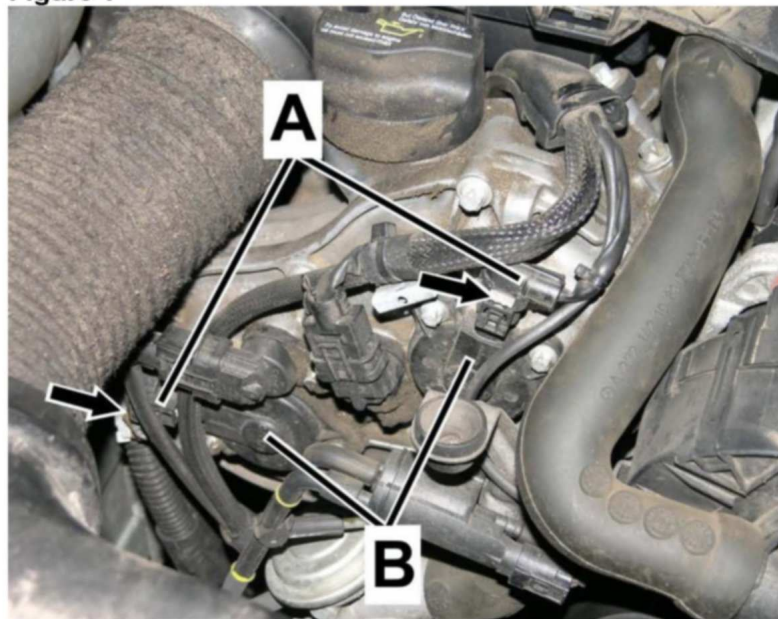


Figure 2

**Note:** Shown on engine 272

2. Disconnect **camshaft** adjustment solenoids from engine harness connectors (A, Figures 1 and 2) shown above.

^ Carefully unlock engine harness connectors (A) by squeezing and partially pulling out locking tabs (arrows) using pocket screw driver.

^ Disconnect **camshaft** adjustment solenoid connectors (A) from camshaft solenoids (B).

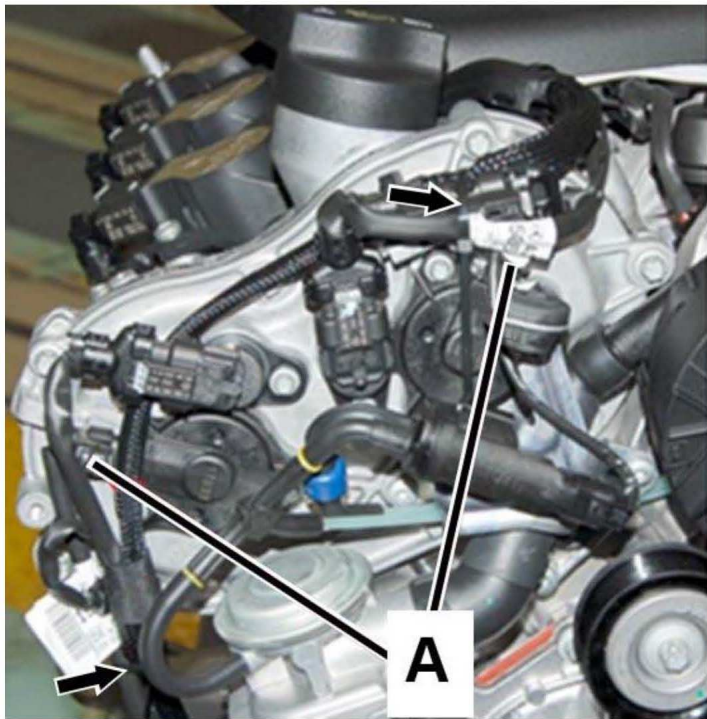


Figure 3

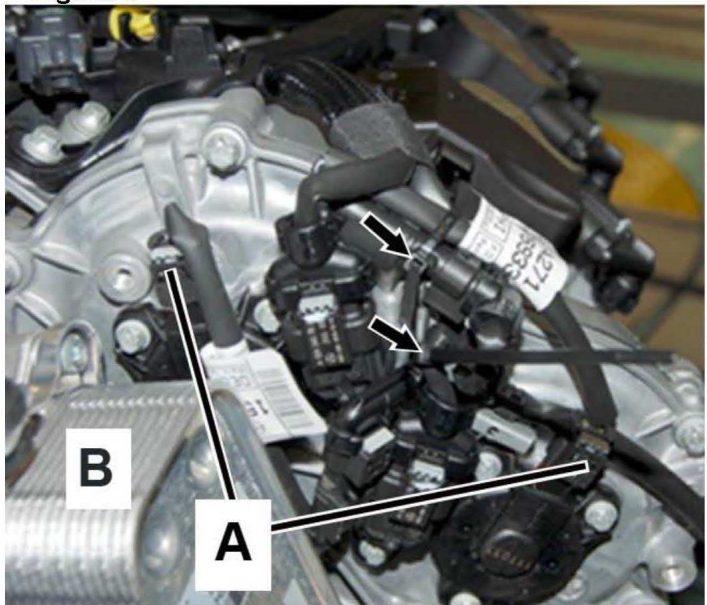


Figure 4

3. Connect adapter harnesses (A, Figures 3 and 4) shown above.

^ Connect adapter harnesses (A) between connector on **camshaft** adjustment solenoid and engine harness.

^ Push locking tabs (arrows, Figures 1 and 2) into connectors to secure (total of 8 locking tabs).

4. Secure adapter harnesses with cable ties.

**Note:** Ensure harness adapters are properly secured using cable ties (arrows, Figures 3 and 4) to prevent wire chafing and/or damage from hot engine parts, (e.g. oil cooler [B]).

Primary Parts Information			
Qty.	Part Name	Part Number	Estimated Replacement Rate
4	Adapter wiring harness for camshaft adjustment solenoids	A 271 150 01 56 05	100%
4	Cable tie	A 002 997 24 90	

Primary Parts Information

**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		
<b>Operation:</b> Install electrical wiring harnesses for camshaft adjustment solenoid (02-7325)		
Damage Code	Operation Number	Model Indicator(s)
59 900 02 7	02-7325	AA, AD, AH, AF, BA, BE, CB, CC, CA, DA, DE, EA, EC, FA, FB, FC, FD, FF, HA, HB, HC, HD, L7, Q6, Q7, Q8, Q9, QA, R5, S7, S8, SA, SB, T7, T9, T8, TA, U6, U7, X1, X3, X4, XA, XB, Y3, Z1, Z5, Z8
<b>Note</b> Operation code times are subject to change. Please refer to StarTime for current labor times.		
<b>Note:</b> <b>Primary Loss Damage and Precondition for additional repairs:</b> If the vehicle requires additional repairs due to damage from the oil leak, submit all necessary labor operations and parts on the same Repair Order Line as the Campaign. Do not submit an additional repair. These additional operations and parts <b>cannot</b> be submitted as a Sublet. Additional repairs require dealer text explaining the extent of additional damage.		

**Precondition for additional repairs:**

Vehicle exhibits CEL with current DTCs in the quick test => perform the following:

- 1) All ME relevant DTCs have to be processed through SDS before any repair. **IF** other components not directly connected via the engine harness are identified as root cause, the replacement of the engine harness is not necessary => Repair vehicle accordingly for any unrelated complaints (which may not be claimed under this campaign) and separately install adapter harnesses as part of the campaign. Printouts of all test steps need to be uploaded to pSDS (paper-less SDS).
- 2) DTCs correlated to the components found with oil in the respective component's connector and no other root cause was determined in step 1 => replace engine harness and oil affected components (that relate to above DTCs) only and install adapter harnesses.

**General note:**

Oil in the wiring harness without CEL does not warrant engine harness replacement. The adapter harness prevents any further capillary oil progression. Remaining oil does not cause any further damage and eventually will dry up.

**PLEASE NOTE THE REPLACEMENT OF LEAKING CAMSHAFT ADJUSTMENT SOLENOID (S) IS NOT PERMITTED UNDER PROVISION OF PRIMARY LOSS DAMAGE OF THIS SERVICE CAMPAIGN OR UNDER CUSTOMER REIMBURSEMENT. THE LEAKING SOLENOIDS MUST BE ADDRESSED UNDER CUSTOMER PAY OR UNDER WARRANTY IF THE VEHICLE IS STILL COVERED.**

## Warranty Information

**NOTE REGARDING CUSTOMER REIMBURSEMENT**

Reimbursement to customers for repairs performed prior to this service campaign:

If the customer already paid to have this service 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 installation of the camshaft adjustment solenoid adapter harnesses or the cost of any **primary loss** damage (less the cam adjustment solenoid) if completed by an authorized Mercedes-Benz dealer under this campaign.

Submit a warranty claim, utilizing Damage Code 59 900 02 8 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.

## NOTE REGARDING CUSTOMER REIMBURSEMENT