

Service Campaign Bulletin

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

Campaign No. 2009100001, April 2011

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Models 170/203, Model Years 2001 - 2004 / 2002 - 2005**
Install Camshaft Adjustment Solenoid(s) Adapter Harness (es)

Revision	Date	Purpose
b	4/29/11	Revisions to Procedure, Warranty and Parts information updated
a	12/15/09	Inclusion of reimbursement information
–	12/04/09	Initial issue

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 of the camshaft adjustment solenoid specification, oil may enter the engine wiring harness (es) through the electrical connection of the camshaft adjustment solenoid from capillary action. Dealers will install camshaft adjustment solenoid(s) adapter harness (es) 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 120,738 vehicles are affected.

Order No. P-SC-2009100001

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

A. Install New Camshaft Solenoid Adapter Harness (Model 203.747)

1. Install new adapter harness:
 - Remove cover over camshaft solenoid (B, Figure 1).
 - Disconnect camshaft solenoid connector (A, Figure 1) from camshaft solenoid (B)
 - Connect adapter harness between connector on camshaft solenoid (C, Figure 2) and engine harness
 - Secure adapter harness connector (A, Figure 2) to engine harness sheath (B) with cable tie (arrow).

Note:

Ensure cable tie (arrow) is secured to engine harness sheath (B) as shown otherwise wire chafing may occur.

2. Reinstall remaining components in reverse order.

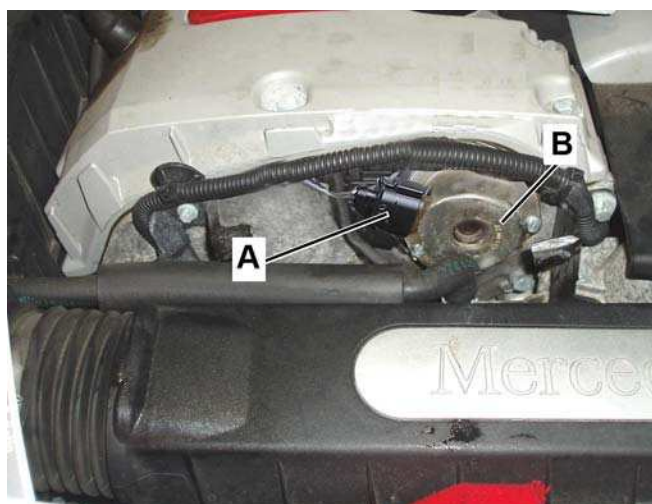


Figure 1

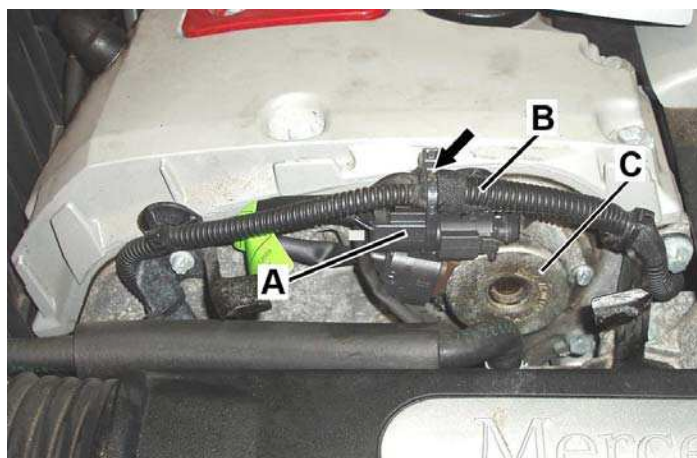


Figure 2

B. Install New Camshaft Solenoid Adapter Harness (Model 170.449 With Vacuum Pump)

1. Install new adapter harness:
 - Remove cover over camshaft solenoid (A, Figure 3).
 - Disconnect engine harness connector (B, Figure 3) from camshaft solenoid (A).
 - Connect adapter harness (A, Figure 4) between connector on camshaft solenoid and engine harness (C).
 - Secure adapter harness connector (B, Figure 4) to existing engine harness sheath with cable tie (arrow).

Note:

Ensure cable tie (arrow) is secured to engine harness sheath as shown otherwise wire chafing may occur.

2. Reinstall remaining components in reverse order.

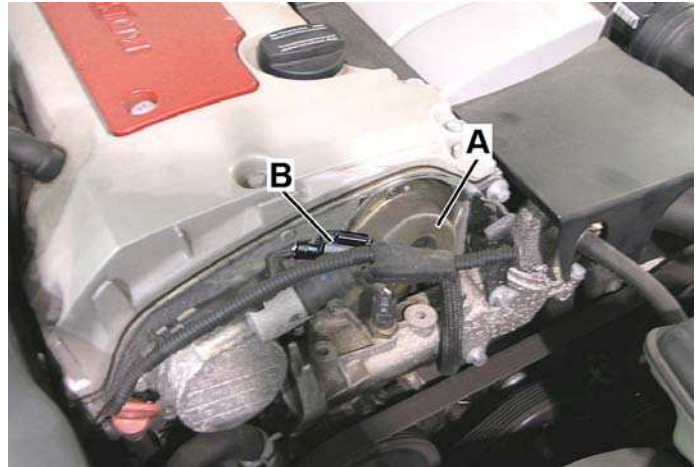


Figure 3

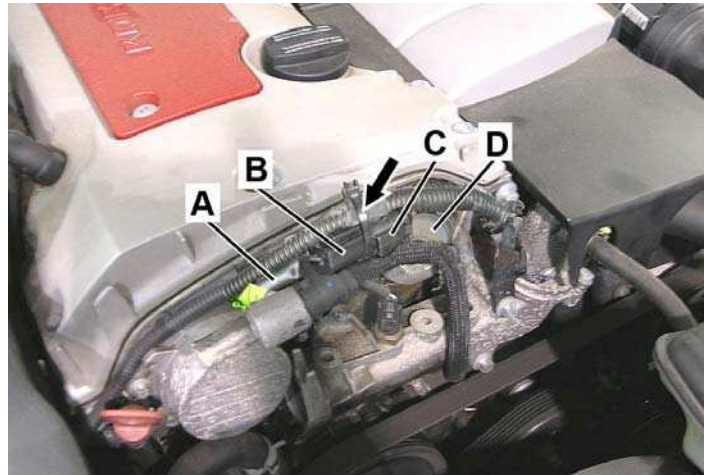


Figure 4

C. Install New Camshaft Solenoid Adapter Harness (Model 170.449)

1. Install new camshaft solenoid adapter harness:
 - Remove cover over camshaft solenoid (A, Figure 5)
 - Disconnect engine harness connector (B, Figure 5) from camshaft solenoid (A).
 - Connect camshaft solenoid adapter harness to connector on camshaft solenoid and to engine harness connector (C, Figure 6).
 - Secure adapter harness connector (A, Figure 6) to engine harness sheath (B, Figure 6) with cable tie (arrow).

Note:

Ensure cable tie (arrow, Figure 6) is secured to engine harness sheath (B, Figure 6) as shown otherwise wire chafing may occur.

2. Reinstall remaining components in reverse order.

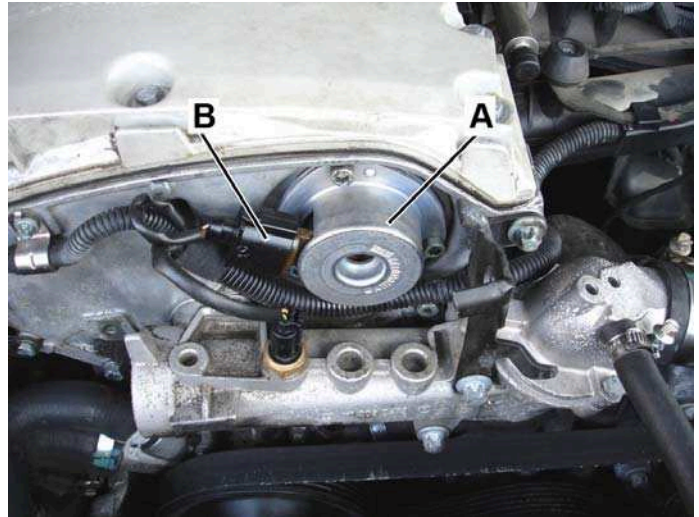


Figure 5

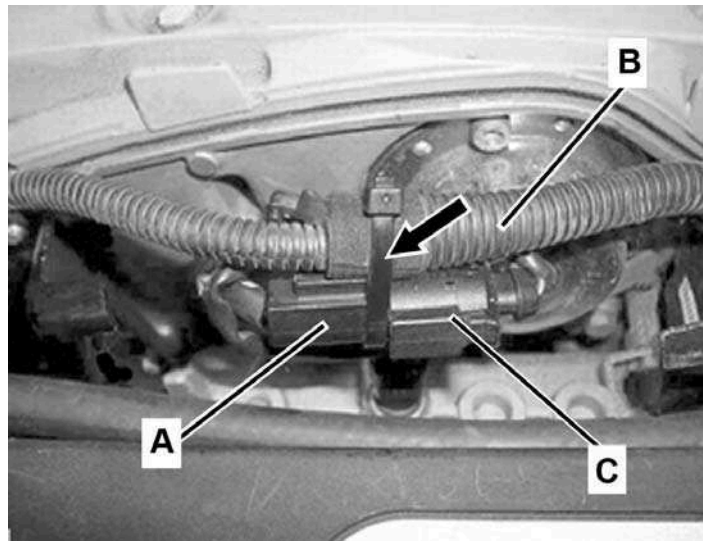


Figure 6

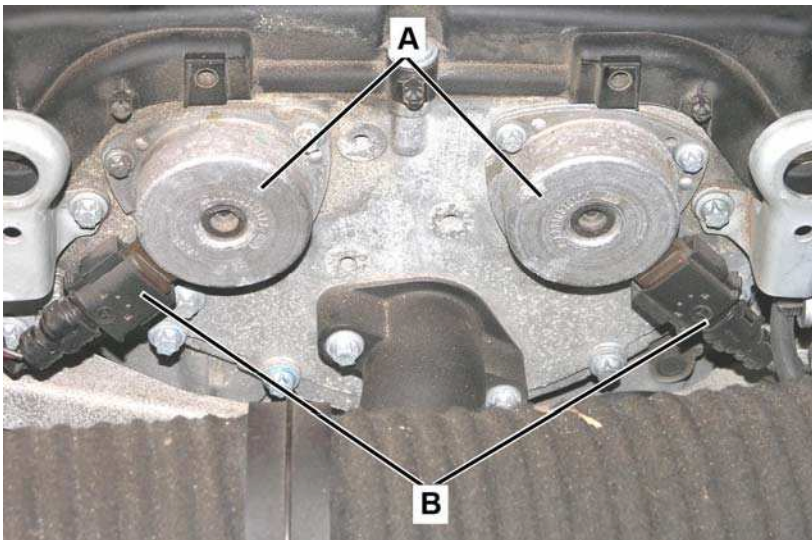
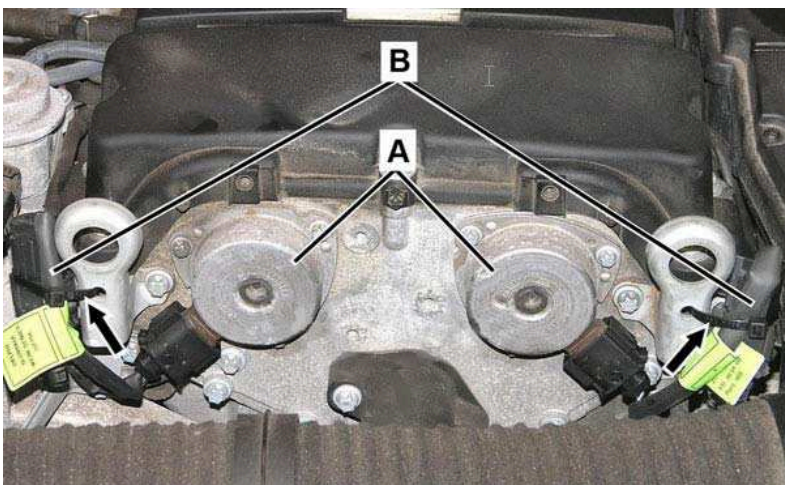
D. Install New Camshaft Solenoid Adapter Harnesses (Models 203.040/740)

1. Install new camshaft solenoid adapter harnesses:
 - Remove cover over camshaft solenoids (A, Figure 7)
 - Disconnect engine harness connectors (B, Figure 7) from camshaft solenoids (A).
3. Install camshaft solenoid adapter harnesses (B, Figure 8):

Connect adapter harnesses (B) between connector on camshaft solenoid (A) and engine harness. Secure adapter cable (B, Figure 8) to engine with cable ties (arrows).

Note:

Ensure cable ties (arrows) are secured to engine as shown otherwise cover will not properly fit over camshaft solenoids (A) and wire chafing may occur.

**Figure 7****Figure 8**

Parts information (Model 203.747 with Engine 111.981 and Model 170.449 with Engine 111.983)

Qty	Part Name	Part No.	Estimated Replacement Rate
1	Adapter connector (harness)	A 271 150 27 33	100%
1	Cable tie	A 002 997 24 90	

Parts information (Model 203.040/740 with Engine 271.948)

Qty	Part Name	Part No.	Estimated Replacement Rate
1	Adapter connector kit (contains 2 harnesses and 2 cable ties)	A 271 150 02 56 05	100%

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: Install camshaft adjustment solenoid adapter harness (02-7064)
Install camshaft adjustment solenoid adapter harnesses (02-7063)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
05 900 10 7	02-7064	0.1	P5, G2
	02-7063	0.2	Q1, Q3

Note- Consequential Damage:

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 **cannot** be submitted as a Sublet. Additional repairs require dealer text explaining the extent of additional damage.

PLEASE NOTE THE REPLACEMENT OF LEAKING CAMSHAFT ADJUSTMENT SOLENOID (S) IS NOT PERMITTED UNDER CONSEQUENTIAL DAMAGE, CUSTOMER REIMBURSEMENT, OR UNDER THIS SERVICE CAMPAIGN.

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 harness (es) would have cost if completed by an authorized Mercedes-Benz dealer under this campaign.

Submit a warranty claim, utilizing Damage Code 05 900 10 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.