

# Service Campaign Bulletin

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

Campaign No. 2007010008, February 2007

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **MODELS 164, 209, 211, 219, 221, 230, 251, X164  
MODEL YEAR 2007  
CHECK TRANSMISSION CONTROL MODULE SOFTWARE AND UPDATE IF  
NECESSARY (722.9 TRANSMISSION); UPDATE ENGINE CONTROL MODULE  
SOFTWARE AS REQUIRED (M273 ENGINE)**

This Service Campaign has been initiated because DCAG has determined that on affected vehicles (see VIN range on the following page) the software for the transmission control module may need to be updated to adjust the lock up force of the torque converter. The engine control module software will also be updated. Dealers will update the transmission control module software and the engine control module software as required.

Please review the Effective Serial Number chart located on the following page, and if necessary, repair the subject vehicles during the vehicle's next service.

Prior to performing this Service Campaign:

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

Approximately 27,691 vehicles are affected.

Order No. S-SC-2007010008

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.

**Effective Serial Number Range**

Models	Chassis End Number	
	From	To
164.122	A000142	A141563
164.822	A007380	A118946
164.871	A007378	A152121
209.372	F193697	F205966
209.472	F202152	F202954
	T072916	T074633
211.022	A778156	A983595
211.072	A923912	A989194
219.372	A071046	A080600
221.171	A009483	A070692
230.471	F116432	F124253
251.122	A000406	A033339

**Note:**

**Every vehicle in the VIN range may not be included in the campaign. 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.

## Procedure

### Note – Prior to starting the procedure ensure to:

- Use DAS version 10/2006 or higher with all associated patches
- Follow the steps exactly as described in DAS
- Connect battery charger

1. Connect Star Diagnosis.
2. Install transmission control module software.
  - Follow the DAS path “Control unit adaptations/ Control unit programming” and on-screen instructions.
  - If no newer software is found: Disconnect Star Diagnosis; this campaign has been completed.
3. Perform SCN coding of transmission control module.
  - Follow the DAS path “Version coding” and on-screen instructions.
4. Vehicles with engine M273 only: Install and code engine control module software.
  - Install: Follow the DAS path “Control unit adaptations/ Control unit programming” and on-screen instructions.
  - SCN coding: Follow the DAS path “Version coding” and on-screen instructions.

### Note:

**SCN coding must be performed even if the “No newer control module software was found” message appears when attempting to flash the engine control module.**

5. Erase all fault codes and event memory.
6. All vehicles except Models 164.122 and 164.822 up to, and including, VIN A067677:  
Perform transmission adaptation up to fourth gear.
  - Follow the DAS path “Adaptations” and on-screen instructions.
  - Select transmission mode “S”.
  - Select adaptation 1-2 gear in DAS; enter first gear manually and accelerate vehicle slightly, then manually up-shift according to on-screen instructions; repeat scenario for adaptations 2-3 and 3-4.

**Note: Let vehicle coast down after each shift.**

  - Perform the adaptations 1-2, 2-3, and 3-4 gear twice.
7. Disconnect Star Diagnosis.

**Note:**

The following allowable labor operation should be used when submitting a warranty claim for this repair:

**Warranty Information****Repair 1 (Check transmission control module software)**

**Operation:** Star Diagnosis System (SDS), Connect & Disconnect (02-4762)  
 Battery Charger, Connect (with SDS connected) (02-5058)  
 Transmission Control Unit Software, Check (with SDS connected) (02-5523)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
27 950 31 8	02-4762	0.1	BD, EA, EB, Z4
		0.2	AA, R5, SA, SB, T9, TC, Y3
	02-5058	0.1	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4
	02-5523	0.1	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4

**Repair 2 (Install transmission control module software)**

**Operation:** Star Diagnosis System (SDS), Connect & Disconnect (02-4762)  
 Battery Charger, Connect (with SDS connected) (02-5058)  
 Transmission Control Unit Software, Check (with SDS connected) (02-5523)  
 Transmission Control Unit Software, Install (with SDS connected) (02-5524)  
 Control Unit (with SDS connected), Code (02-5382)  
 Adaptation, Perform (after Repairs) (27-1047)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
27 950 31 8	02-4762	0.1	BD, EA, EB, Z4
		0.2	AA, R5, SA, SB, T9, TC, Y3
	02-5058	0.1	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4
	02-5523	0.1	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4
	02-5524	0.2	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4
	02-5382	0.1	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4
	27-1047	0.5 <sup>1)</sup>	AA, BD, EA, EB, R5, SA, SB, T9, TC, Y3, Z4

**Note:**

<sup>1)</sup> Maximum allowed time with a separate time punch

**Repair 3 (Install transmission control module SW; check engine control module SW)**

**Operation:** Star Diagnosis System (SDS), Connect & Disconnect (02-4762)  
 Battery Charger, Connect (with SDS connected) (02-5058)  
 Transmission Control Unit Software, Check (with SDS connected) (02-5523)  
 Transmission Control Unit Software, Install (with SDS connected) (02-5524)  
 Control Unit (with SDS connected), Code (02-5382)  
 Adaptation, Perform (after Repairs) (27-1047)  
 Engine Control Unit Software, Check (with SDS connected) (02-5528)  
 Control Unit (with SDS connected), Code (02-5382)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
27 950 31 8	02-4762	0.1	EA
		0.2	AA, R5, SA, SB, T9, Y3
	02-5058	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5523	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5524	0.2	AA, EA, R5, SA, SB, T9, Y3
	02-5382	0.1	AA, EA, R5, SA, SB, T9, Y3
	27-1047	0.5 <sup>1)</sup>	AA, EA, R5, SA, SB, T9, Y3
	02-5528	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5382	0.1	AA, EA, R5, SA, SB, T9, Y3

**Note:**

<sup>1)</sup> Maximum allowed time with a separate time punch

**Repair 4 (Install transmission and engine control module software)**

**Operation:** Star Diagnosis System (SDS), Connect & Disconnect (02-4762)  
 Battery Charger, Connect (with SDS connected) (02-5058)  
 Transmission Control Unit Software, Check (with SDS connected) (02-5523)  
 Transmission Control Unit Software, Install (with SDS connected) (02-5524)  
 Control Unit (with SDS connected), Code (02-5382)  
 Adaptation, Perform (after Repairs) (27-1047)  
 Engine Control Unit Software, Check (with SDS connected) (02-5528)  
 Engine Control Unit Software, Install (with SDS connected) (02-5529)  
 Control Unit (with SDS connected), Code (02-5382)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
27 950 31 8	02-4762	0.1	EA
		0.2	AA, R5, SA, SB, T9, Y3
	02-5058	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5523	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5524	0.2	AA, EA, R5, SA, SB, T9, Y3
	02-5382	0.1	AA, EA, R5, SA, SB, T9, Y3
	27-1047	0.5 <sup>1)</sup>	AA, EA, R5, SA, SB, T9, Y3
	02-5528	0.1	AA, EA, R5, SA, SB, T9, Y3
	02-5529	0.2	AA, EA, R5, SA, SB, T9, Y3
02-5382	0.1	AA, EA, R5, SA, SB, T9, Y3	

**Note:**

<sup>1)</sup> Maximum allowed time with a separate time punch