

Service Campaign Bulletin

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

Campaign No. 2007010004, March 2007

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **MODELS 211, 219, 221, 230, X164**
MODEL YEAR 2007
CHECK INTAKE MANIFOLD AND REPLACE IF NECESSARY; INSTALL UPDATED
ENGINE CONTROL MODULE SOFTWARE (M273 ENGINE)

This Service Campaign has been initiated because DCAG has determined that on affected vehicles engine running characteristics can be improved with the installation of a modified intake manifold. Dealers will check the production date of the intake manifold and replace if necessary. Additionally, updated engine control module software will also be installed in all affected vehicles.

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. If necessary, repair the subject vehicle during the vehicle's next service.
- Please review the entire Service Campaign bulletin and follow the procedure steps 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 11,352 vehicles are affected.

Order No. S-SC-2007010004

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. CHECK INTAKE MANIFOLD

1. Remove both engine air intake ducts.
2. Model X164 only: Remove strut tower brace; refer to WIS document AR62.30-P-2500GY.
3. Remove air filter housing; refer to one of the following WIS documents, depending on vehicle model:
 - Model 211/219: AR09.10-P-1150TS
 - Model 221: AR09.10-P-1150SX
 - Model 230: AR09.10-P-1150RX
 - Model X164: AR09.10-P-1150GZA.
4. Detach engine control module from bracket, keeping electrical connectors connected.
5. Check production date of intake manifold (A, Figure 1).

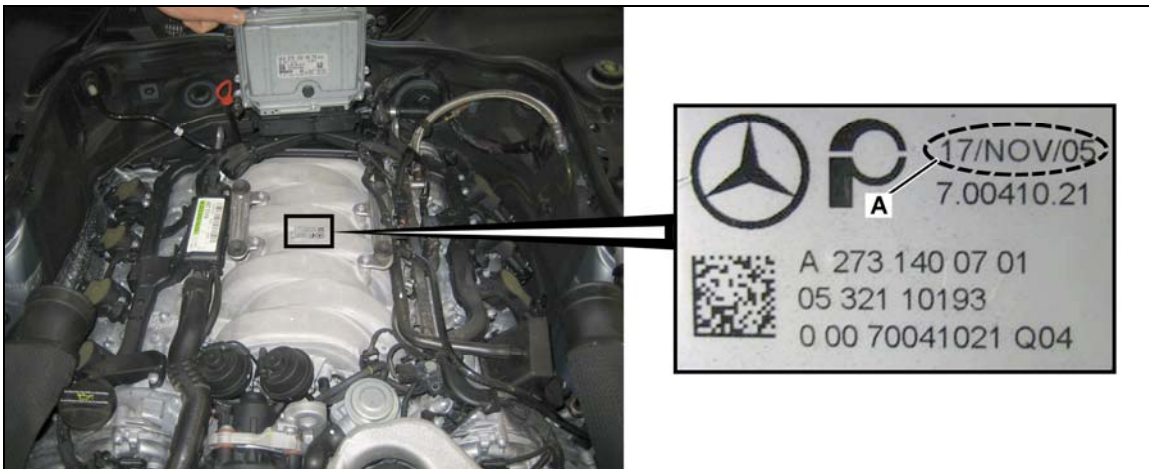


Figure 1

6. Perform one of the following:
 - Manifold production date up to and including 30/SEPT/05: Proceed to Subject **B** to replace manifold.
 - Manifold production date between (and including) 01/OCT/05 and 28/FEB/06: Proceed to Subject **C** to install engine control module software.

B. REPLACE INTAKE MANIFOLD

1. Replace intake manifold; refer to one of the following WIS documents, depending on vehicle model:
 - Model 211/219: AR09.20-P-1961TS
 - Model 221: AR09.20-P-1961SX
 - Model 230: AR09.20-P-1961RX
 - Model X164: AR09.20-P-1961GZA.
2. Proceed to Subject **C** to install engine control module software.

C. INSTALL ENGINE CONTROL MODULE SOFTWARE

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 engine control module software.
 - Follow the DAS path “Control unit adaptations/ Control unit programming” and on-screen instructions.

Note:

If the “No newer control module software was found” message appears when attempting to flash the control module, proceed to step 4.

3. Perform SCN/CVN coding of engine control module.
 - Follow the DAS path “Control unit adaptations/Variant coding” and on-screen instructions.
4. Disconnect Star Diagnosis.

Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
1	Intake Manifold	A 273 140 07 01 05	1-4%
2	Gasket	A 273 141 08 80 05	
8	Fuel Injection Valves Seal	A 013 997 90 45 05	
1	Air Duct Housing CLIC-Clamp	A 006 997 29 90 05	
1	Throttle Valve Seal	A 273 141 06 80 05	

Note:

- Please be aware that only the part number(s) referenced in the Campaign Bulletin is 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.
- Please note that the information in the most current versions of EPC and StarTime supersedes the parts and warranty information in the Campaign Bulletin.
- The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information**Repair 1 (Check intake manifold; install engine control module software)**

Operation: Intake Manifold, Check (02-5421)

Star Diagnosis System (SDS), Connect & Disconnect (02-4762)

Battery Charger, Connect (with SDS connected) (02-5058)

Engine Control Unit Software, Install (with SDS connected) (02-5423)

Control Unit (with SDS connected), Code (02-5382)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
14 900 10 8	02-5421	0.3	AA, R5, T9, TA, Y3
		0.6	EA
	02-4762	0.1	EA
		0.2	AA, R5, T9, TA, Y3
	02-5058	0.1	AA, EA, R5, T9, TA, Y3
	02-5423	0.3	AA, EA, R5, T9, TA, Y3
	02-5382	0.1	AA, EA, R5, T9, TA, Y3

Repair 2 (Check and replace intake manifold; install engine control module software)**Operation:** Intake Manifold, Check (02-5421)

Intake Manifold, Replace (after Check) (02-5422)

Star Diagnosis System (SDS), Connect & Disconnect (02-4762)

Battery Charger, Connect (with SDS connected) (02-5058)

Engine Control Unit Software, Install (with SDS connected) (02-5423)

Control Unit (with SDS connected), Code (02-5382)

Damage Code	Operation Number	Labor Time (hrs.)	Model Indicator(s)
14 900 10 7	02-5421	0.3	AA, R5, T9, TA, Y3
		0.6	EA
	02-5422	1.9	AA, T9, TA, Y3
		2.0	EA
		2.2	R5
	02-4762	0.1	EA
		0.2	AA, R5, T9, TA, Y3
	02-5058	0.1	AA, EA, R5, T9, TA, Y3
	02-5423	0.3	AA, EA, R5, T9, TA, Y3
	02-5382	0.1	AA, EA, R5, T9, TA, Y3