

Service Campaign Bulletin

Campaign No. 2012120002, September 2013

Revision	Date	Purpose
C	09/13/13	Revision to work Procedure
B	04/18/13	Revision to Warranty information
A	04/05/13	Revision to work Procedure
-	02/08/13	Initial release

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 906, Model Years 2010 - 2011**
Update Engine Control Module Software

This Service Campaign has been initiated because Daimler AG (DAG), the manufacturer of Mercedes-Benz and Freightliner Sprinter vehicles, has determined that humidity can enter the exhaust gas recirculation (EGR) valve which may cause an electrical short circuit. As a result, the feedback signal from the valve to the engine control module (ECM) may fail. As a consequence, the EGR valve may be switched-off and the vehicles will experience a loss of power and enter a limp home mode. In addition, certain software parameters in the ECM may not respond properly to brief control deviations of the EGR valve position. Under certain circumstances, this ECM programming can cause an unfavorable response which can deactivate the periodic cleaning function of the EGR valve. If the control deviation occurs twice within two consecutive driving cycles the MIL will be illuminated. To correct these conditions, Dealers will update the Engine Control Module software 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 23,122 vehicles are affected.

Order No. V-SC-2012120002

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

Note:

- Use DAS/Xentry 11/12 with all associated patches (ensure the following add-ons are included: 2584, 2590, 2651, 2666); **or**
 DAS/Xentry 01/13 or higher with all associated patches (ensure the following add-ons are included: 2675, 2677); **or**
 11/12 release of Fleet Shell (FedEx[®] and other large fleets only)
- Follow the steps exactly as described in DAS/Xentry.
- Connect battery charger (battery voltage >12.5V).
- In the event of software/SCN update issues, contact Star Diagnosis User Help Desk.
- Refer to Star Diagnosis System (SDS) Best Practices Guide

A. Check for Mobility Lift and PSM

1. Check for mobility lift: If yes proceed to step 2. If no proceed to Subject B.
2. Check for original equipment PSM (option code SA ED5): If yes proceed to Subject B. If no **do not update engine control module software**, refer to: LI27.60-N-056078.

B. Check for Newer SCR and CDI Module Software

1. Connect Star Diagnosis to vehicle.
2. **First, update the** SCR control unit software: Control units / Drive / SCR control unit Adblue / Control unit adaptations / Control module programming
3. **Then, update the** CDI control module: Control units / Drive / CDI 6 common rail injection / Control unit adaptations / Control module programming.
4. Follow on-screen instructions.
5. Check fault memory: If fault memory 16CE00 and/or 16CF00 is present, delete it by pressing the F9 button.

Note:

- After updating SCR software, the software status should be: 07.37.00
- After updating CDI software, the software status should be: 12.14.00

Warranty Information

Operation: Install CDI control unit software (with DAS connected) (02-8282).

Damage Code	Operation Number	Labor Time (hrs.)
14 930 64 8	02-8282	0.5

Note

Operation code times are subject to change