

TO: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Gregory Gunther, Department Manager, Vehicle Compliance and Analysis, Engineering Services
RE: Emission Modification Notification – [[2020050028]] MY11-12 E350 BlueTec Update – Emission Modification Category (EMC) #8	DATE: April 7, 2022

IMPORTANT EMISSION MODIFICATION NOTIFICATION

Attention Dealership Management

- Please ensure that every dealership associate is aware of this Emission Modification notification, and that customer-facing associates provide transparent information to Customers.
- Refer to VMI in NetStar to determine which units in your inventory are affected by this Emission Modification. This notification hereby instructs **Dealers not to sell or cause to be sold, or lease or cause to be leased, or introduce into commerce, or export** from the United States to another country, any vehicle covered by this notification, unless it has received the Approved Emission Modification described in this notification. **Failure to adhere to these instructions may result in possible penalties or fines.**
- Run a VMI check on all vehicles brought into your Service Department to determine if they are affected by any service campaign or recall and perform accordingly.
- Always act with the principles of Customer Experience in mind.
- Refer to the work instructions and ensure each step in the defined process is followed exactly as described. Steps such as affixing the vehicle label and correctly filling out the vehicle label must be adhered to. **Failure to adhere to these instructions may result in possible penalties or fines.**
- Ensure your warranty administrator submits warranty claims for this Emission Modification in a timely manner. Extended warranty applicability stated herein is automatically enabled once the Approved Emission Modification is completed and the warranty claim is processed.
- A proposed class action settlement has been filed that provides compensation to customers who receive the Emission Modification and meet certain other requirements. To receive such compensation, class members will need to submit (among other things) copies of their Repair Order showing proof that the Emission Modification was installed and (if any) proof of transportation expenses incurred to receive the Emission Modification—up to \$35—in the event that a loaner, shuttle, or alternative transportation cannot be arranged by your dealership. Please remind customers to save this documentation.
- Customers should **not** be given information about the Emission Modification or the class settlement that deviates from, or is in addition to, what is in authorized communications reflected in this NCU or the official websites: www.mbbluetecsettlement.com and www.BlueTecUpdate.mbusa.com. **Failure to adhere to this instruction could threaten final implementation of the settlement and may result in possible penalties.**

Other than the benefits class members can claim through the class action settlement process, customers cannot be offered any compensation in exchange for receiving the Emission Modification. **Failure to adhere to this instruction may result in possible penalties.** (At their discretion and on a case-by-case basis, Dealers can continue to offer customers goodwill for other reasons consistent with normal business practices and policies, but additional compensation in exchange for receiving the Emissions Modification is prohibited.)



Information for Customers:

- For information related to this specific Emission Modification, Customers can refer to: <https://BlueTecUpdate.mbusa.com>
- For information related to the proposed class action settlement, Customers can refer to: www.mbbluetecsettlement.com
- Mercedes-Benz Customer Assistance Center: **1-833-841-9362**

Please note that all customer inquiries should be directed to the Customer Assistance Center at 1-833-841-9362.

Sincerely,

Gregory Gunther

Department Manager, Vehicle Compliance & Analysis



Emission Modification Notification			April 7, 2022
Campaign No.:	EMC#	Campaign Desc. :	BlueTEC Update – MY11-12 E (W212)
2020050028	8	19P4992019	
This is to notify you of an Emission Modification Notification to update the emission control system on approximately 5700 Model Year (“MY”) 2011-2012 E350 BlueTEC (W212) diesel vehicles. Emission Modification information will be visible on the https://BlueTecUpdate.mbusa.com website and may generate questions from Owners and Lessees. Affected VINs will be flagged in VMI as “OPEN” on April 7, 2022.			
Background			
Issue	Mercedes-Benz USA, LLC (“MBUSA”) is modifying the emission control system on certain diesel vehicles. The Emission Modification for MY 11-12 E350 BlueTEC (W212) vehicles has been approved by EPA and CARB, and is now ready for installation. An authorized Mercedes-Benz Dealer will install the Emission Modification at no cost to the Owner/Lessee.		
What We’re Doing	An authorized Mercedes-Benz Dealer will replace certain emission control system components and update certain software in eligible vehicles.		
Parts	Parts are available as of 4/7/2022		
Vehicles Affected			
Vehicle Model Year(s)	MY 2011-2012		
Vehicle Model	E350 BlueTEC (W212)		
Vehicle Populations			
Total Campaign Population	5700		
Total Customer Vehicles in Campaign	5700		
Next Steps/Notes			
Customer Notification Timeline	Customer letters will begin to be mailed on April 7, 2022.		
AOMS/SOMS	This Emission Modification Notification may initiate questions from customers and the media. Please ensure your Dealers have read and understand this notice.		
Notes	<ul style="list-style-type: none"> • IMPORTANT: This notification hereby instructs Dealers not to sell or cause to be sold, or lease or cause to be leased, or introduce into commerce, or export from the United States to another country, any vehicle covered by this notification, unless it has received the Approved Emission Modification described in this notification. Failure to adhere to these instructions may result in possible penalties or fines. • Follow ALL steps of the work instructions. • More information about a class action settlement providing incentives to customers who receive the Emission Modification can be found at www.mbbluetecsettlement.com • Emission Modification information: <ul style="list-style-type: none"> • Mercedes-Benz specific emission modification related information: https://BlueTecUpdate.mbusa.com • Mercedes-Benz Customer Assistance Center: 1-833-841-9362 		
While we regret any inconvenience this may cause, MBUSA is determined to maintain a high level of vehicle quality and customer satisfaction. Please refer all customer inquiries to the Customer Assistance Center at 1-833-841-9362.			



DEALER FAQs

What is the reason for this Emission Modification?

On March 9, 2021, Daimler AG (“DAG”) and Mercedes-Benz USA, LLC (“MBUSA”) reached a settlement with the United States Department of Justice (“DOJ”), the Environmental Protection Agency (“EPA”), the California Air Resources Board (“CARB”), and the California Attorney General’s Office (“CA AG”) regarding the emission control system in MY09 to MY16 OM642 and OM651 BlueTEC II diesel vehicles sold or leased in the US. As part of this settlement, MBUSA is offering eligible Owners and Lessees a modification to the vehicles’ emission control system, referred to as an Emission Modification.

Eligible vehicles and vehicle model years have been separated into Emission Modification Categories (“EMCs”) to facilitate the Emission Modification Program. Each EMC will be launched in phases, and MBUSA will notify authorized Mercedes-Benz Dealers after agency approval of each Emission Modification. Please refer to our public website <https://BlueTecUpdate.mbusa.com> for more information on your particular vehicle.

Is this a recall?

No, this is NOT a recall. As part of the settlement with the US authorities, DAG and MBUSA are offering eligible vehicle Owners/Lessees a modification to the vehicles’ emission control system, referred to as an Approved Emission Modification (AEM). This modification will be performed at no cost to the Owner/Lessee.

What is an “EMC”?

To facilitate the Emission Modifications on the subject vehicle population, the vehicle models and model years have been separated into Emission Modification Categories.

What are the eligible vehicles that will receive an Emission Modification under this settlement?

This settlement pertains specifically to MY09 to MY16 BlueTEC II diesel vehicles with OM642 and OM651 engines sold or leased in the US. For more information, please visit <https://BlueTecUpdate.mbusa.com>.

How will the Emission Modification be communicated to Owners and Lessees in the US?

Owners/Lessees will first receive a letter in the mail indicating that the Emission Modification is available for their vehicle and inviting them to schedule an appointment with their preferred authorized Mercedes-Benz Dealer.

How do Owners and Lessees find out whether their vehicle is affected by the Emission Modification Campaign?

Owners and Lessees with affected vehicles will be mailed a notification letter when the Emission Modification is available. Owners and Lessees can also check if their vehicle is affected by entering their VIN into the following site: <https://BlueTecUpdate.mbusa.com>.

All vehicles covered by the Emission Modification Program also are covered by the proposed class action settlement described herein.



Owners and Lessees might complain about a Check Engine light; will the Dealer repair the vehicle as part of the emissions update?

A Check Engine light can illuminate for a number of reasons. Authorized Mercedes-Benz Dealers can offer assistance diagnosing and repairing the issue.

Can an Owner or Lessee get a loaner vehicle or alternate transportation while the Emission Modification is being performed?

Where loaner vehicles are available, Dealers are requested to offer loaner vehicles to each Eligible Owner and Eligible Lessee at no cost where the implementation of the Approved Emission Modification will take 3 hours or longer to complete.

In an instance where the Approved Emission Modification takes 3 hours or longer to complete, and where the Dealer does not make available a loaner car or offer a shuttle service or alternative transportation, Class Members will be eligible to submit a claim for transportation costs of up to \$35 along with their claims for other settlement compensation. For more information on the transportation allowance, customers should visit the class action settlement website at www.mbbluetecsettlement.com, and should be reminded to save their receipts.

What is Mercedes-Benz going to do for Owners and Lessees given this inconvenience?

Dealers will attempt to minimize any inconvenience during the Emission Modification process. Should Owners or Lessees experience an excessive delay with the Emission Modification of their vehicle, they can contact our Customer Assistance Center at 1-833-841-9362.

As part of the proposed consumer class action resolution, current owners and lessees of eligible vehicles who go to authorized Mercedes-Benz Dealers, have an Approved Emission Modification installed, and meet certain other requirements will be eligible to claim a payment of up to \$3,590. For more information on eligibility and the process for filing a claim, customers should call the number above or visit the class action settlement website at www.mbbluetecsettlement.com.

Other than the benefits that class members can claim through the class action settlement process, customers cannot be offered any compensation in exchange for receiving the Emission Modification. **Failure to adhere to this instruction may result in possible penalties.** At their discretion and on a case-by-case basis, Dealers can continue to offer customers goodwill for other reasons consistent with normal business practices and policies, but additional compensation in exchange for receiving the Emission Modification is prohibited.

Where can an Owner or Lessee have the Emission Modification work completed?

Owners and Lessees will be asked to contact their local preferred authorized Mercedes-Benz Dealer to arrange for an appointment to complete the FREE Emission Modification.

Can Owners and Lessees have the Emission Modification performed if they did not receive a Notification Letter in the mail but own a Mercedes-Benz BlueTEC diesel vehicle?

Owners and Lessees should first check the eligibility and status of their vehicle by visiting <https://BlueTecUpdate.mbusa.com>. To be automatically alerted when the Emission Modification is available for their vehicle, Owners and Lessees are being asked to complete the "Keep me Updated" section of the website after entering their VIN to check the status.



Do Owners and Lessees have to wait for the notification letter in the mail before their vehicle can receive the Emissions Modification?

Owners and Lessees do not need to present a copy of the notification letter to receive the FREE Emission Modification, but they should wait to bring their vehicle in for the Emission Modification until they receive notice that the Emission Modification has been launched for their specific vehicle model. The Emission Modifications will be launched in phases, pending agency approval, so the Emission Modifications for all of the subject vehicle models (all MY09 to MY16 BlueTEC II diesel vehicles with OM642 and OM651 engines sold or leased in the US) will not be launched at the same time. Once the Emission Modification has been approved for a particular vehicle type, Owners and Lessees will be sent a letter asking them to schedule an appointment with their authorized Mercedes-Benz Dealer to perform the FREE Emission Modification.

Do Owners or Lessees need the Owner/Lessee notification letter to have the Emission Modification performed?

No, Owners and Lessees with eligible vehicles do not need the notification letter to have the FREE Emission Modification completed. Local authorized Mercedes-Benz Dealers can check the eligibility and status of vehicles without the letter.

What about Owners or Lessees who request that the Emission Modification be performed without first receiving a letter?

No Emission Modification can be performed until EPA and CARB approve the Emission Modification for the specific model. Similarly, the affected VIN must be flagged as "OPEN" in VMI with the respective Emission Modification campaign number for the modification to be performed.

When will parts be available?

Parts are currently available for the Emission Modifications which have been approved by EPA and CARB. We will provide updates as parts become available for other vehicle models.

Regarding all other future vehicle categories, MBUSA is working with EPA and CARB to obtain approvals for the Emission Modification. MBUSA will notify Dealers upon approval of each Emission Modification that the Emission Modification has become available.

For up-to-date parts availability information, please refer to the website <https://BlueTecUpdate.mbusa.com>.

Are there any known vehicle symptoms associated with the Emission Modification that Owners or Lessees will notice that should lead them to stop driving or take their vehicle to a Dealer?

No. There are no symptoms related to the Emission Modification.

What is the expected impact on an Owner's or Lessee's vehicle after the Emission Modification has been performed?

Details on the impact to vehicles are provided in the letter for each Emission Modification Category. A copy of the Owner/Lessee letter for the EMC subject to this FAQ is attached.

What types of repairs or replacements are needed?

Authorized Mercedes-Benz Dealers will replace specific emissions-related components. This varies by model and model year. For more information, please visit <https://BlueTecUpdate.mbusa.com>.



How long does this Emission Modification take?

Replacement time is dependent upon the model and model year. This time may range from 30 minutes to a maximum of 13.0 hours. Details are provided in the Owner/Lessee notification letter.

What if vehicles have been modified using after-market parts and/or software? Can the Emission Modification still be performed?

If, prior to receiving the Emission Modification, the vehicle has been modified in a manner that impedes the installation of the AEM or substantially affects the operation of the AEM after install (for example, removal of original emissions components not part of the AEM), dealers might not be able to perform the Emission Modification until the prior modifications are corrected. The Owners/Lessees would be responsible for such corrections. Once corrected, the vehicle may receive the Emission Modification.

What if Owners or Lessees decline to have the Emission Modification performed?

If Owners/Lessees decline the Emission Modification at this time, they will be advised by their authorized Mercedes-Benz Dealer that certain emissions-related replacement and repair parts (for their existing system) may no longer be available from Mercedes-Benz at some point in the future. Additionally, the current vehicle Owner/Lessee will not be able to make a compensation claim as part of the proposed class action settlement without first having the Emission Modification performed on their vehicle.

Will eligible vehicles have any warranty on the Emission Modification?

Yes. Once the Emission Modification is performed, certain components will have an extended warranty for the greater of 4 years/48,000 miles from the date of installation of the Emission Modification or 10 years/120,000 miles from the initial sale date of the vehicle. As described in the Customer Letter, some emission-related components have an additional extended warranty period, which is added to the applicable Extended Modification Warranty period above. This extended warranty remains with the vehicle and is fully transferable to subsequent owners until expiration. Where loaner vehicles are available, Dealers are requested to offer loaner vehicles to each Eligible Owner and Eligible Lessee at no cost where extended warranty repairs exceed three hours to complete.

Can Owners or Lessees be denied coverage under the Extended Warranty for the Emission Modification?

The Extended Warranty for the Emission Modification may be denied if an eligible vehicle has been altered with the use of any after-market emissions-related components, parts, and/or software, or with the removal of any original emissions-related components, parts, and/or software, and such alteration(s) are likely to substantially affect the operation of the vehicle with the Emission Modifications, until the owner of such vehicle, at his or her expense, has reversed the alteration(s) such that the Emission Modification will not be substantially affected.





Mercedes-Benz

Campaign No. 2020050028, April 2022

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model E-Class diesel vehicles (W212 platform)**
Model Year 2011-2012
Modification to the emission control system

Mercedes-Benz USA, LLC ("MBUSA") is performing an emission campaign on certain MY11-12 E-Class (W212) diesel vehicles in order to modify the vehicles' emission control system. EPA and CARB have approved this emission modification. An authorized Mercedes-Benz dealer will replace certain emission control system components and update certain software in the affected vehicles at no cost to the owner of the vehicle.

Prior to performing this Emission Campaign:

- Please check VMI to determine if the vehicle is involved in the emission modification campaign and if it has been previously repaired. Always Check VMI for any open campaigns, and perform accordingly.
- Please review the entire Emission Campaign bulletin and follow the repair procedure exactly as described.

Approximately 5,700 vehicles are involved.

Order No. P-EC-2020050028

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.

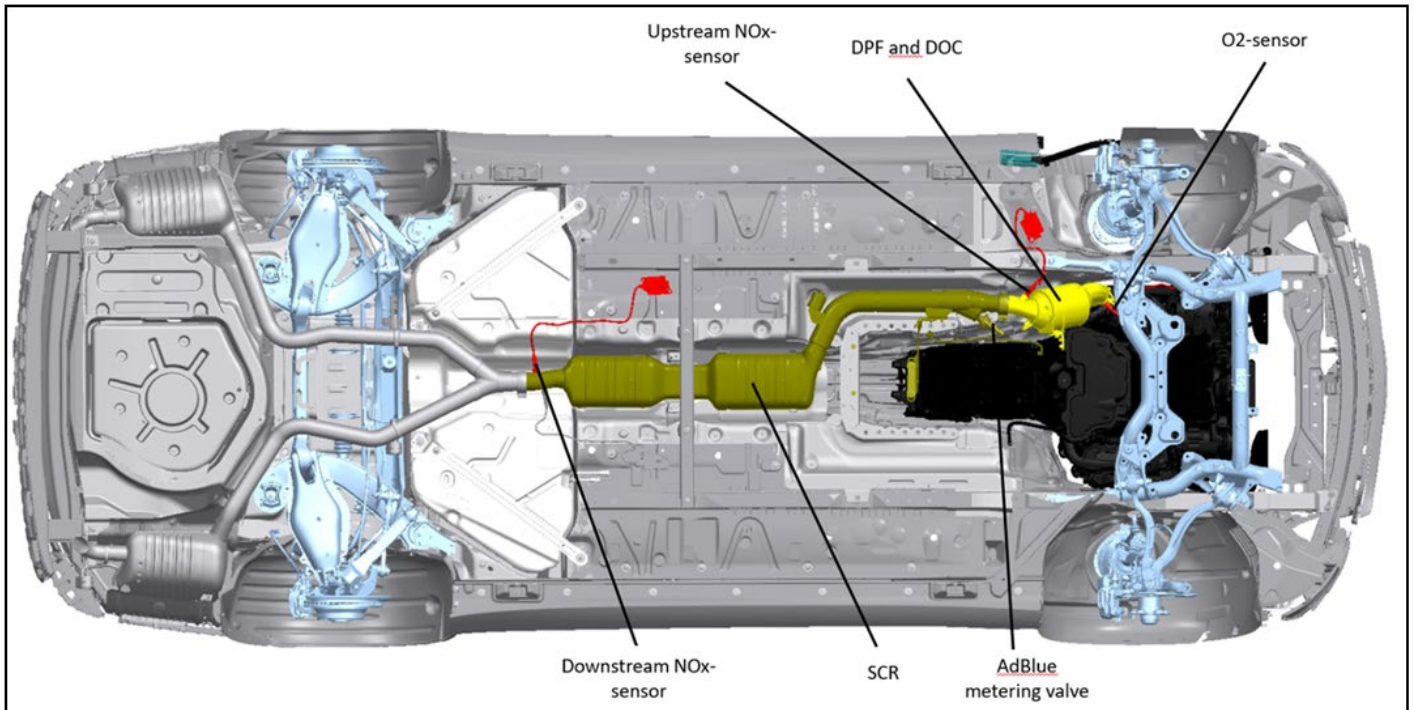
Scope of Work:

i **Note:** Videos of exemplary modifications of a **GLK250 BlueTec (MY13)** and a **ML350 BlueTec (MY12)** can be found on WIS Service Media (WSM): GLK250 BlueTec: WSM ➔ Content by model series ➔ Passenger Cars ➔ GLK (Model 204.9) ➔ 49 – Exhaust system

Work procedure

1. Connect XENTRY and perform Initial Short Test and Pre-Inspection
2. Disconnect Battery Ground
3. Replace charge air distribution line right and left, charge air cross-pipe, clean air pipe, EGR valve, EGR cooler and exhaust pipes.
4. Replace the changeover flap
5. Replace components of the exhaust system (DPF/DOC and SCR catalyst).
6. Remove the O2 sensor
7. Install plug for oxygen sensor port in DPF filter
8. Install plug housing to O2 sensor on the electrical harness
9. Replace both NOx sensors
10. Connect the ground line of the battery
11. Connect XENTRY Diagnosis.
12. Update and commission the engine control unit, update the software of the engine control unit, VGS and SCR.
13. Replace the engine control unit
14. Attach the adhesive label
15. Complete XENTRY Diagnosis.
16. Perform a final quick test

Parts Overview



Procedure


17. Initial Short Test and Initial pre-inspection

1.2 Connect XENTRY diagnosis.

i **Note:**

18. Use DAS/XENTRY 09/21-with all associated patches or higher.

19. Follow the steps exactly as described in DAS/XENTRY.






20. Connect battery charger (battery voltage  >12.5V).

21. Ensure all electrical consumers are switched-off.

22. In the event of software/SCN update issues, contact Star Diagnosis User Help Desk. Please refer to the “pre-call” check list before contacting UHD

23. Refer to Star Diagnosis System (SDS) Best Practices Guide.

1.3 Perform Pre-Inspection

i Follow the XENTRY procedure “Emission Modification Pre-Inspection”: “Main groups  Control units  N3/9 CDI 6-Common Rail Diesel Injection  Special procedures  Service measure “Exhaust aftertreatment system”  Pre-Inspection

Record findings on workorder and save to paperless

i **Note:** goal of the pre-inspection process is to perform an inspection of the emission system and ensure all components are present and functioning correctly (Check engine light “CEL” ON/OFF). The pre-inspection consists of the following procedures as displayed in the below flowchart:

24. **Visual inspection** of the emissions system to check for non-compliant alterations to the emission system that impedes the installation of the Approved Emission Modification (AEM) or substantially effects the operation of the AEM after installation. This consists of a brief visual inspection and does not require a technician to confirm if components are operating correctly. (Example: missing emission system components not replaced as part of the AEM)

24.1 If an alteration has been found during the visual inspection that meet the criteria mentioned in point 1, please advise the customer these alterations must be reversed at their expense before to proceed with the AEM. Please follow the below process to submit a warranty claim for the time associated to diagnosis and provide an estimate to the customer.

Warranty Documentation Process:

1. Claim against damage code 4910N 01 – Approved Emission Modification Denial
2. Up to 2 hours of diagnostic time permitted
3. Ensure diagnostic time is properly punched on the RO
4. Ensure RO is documented properly including a detailed explanation as to why the modification was denied
5. Attach the RO to the warranty claim

25. **Initial Short Test** to check for CEL ON/OFF: Pre-existing issues (CEL ON) may be addressed at the time of AEM install if the components diagnosed are part of the AEM or extended warranty. For all other components, please provide the customer with a repair estimate and document if the customer approves/declines the additional repair(s). It is essential the AEM is installed regardless if the customer approved/declines additional repairs to address a pre-existing issue. A list of applicable extended warranty parts is available in XENTRY for the technician to refer to.

1.4 Pre-Inspection Overview (Figure 1)

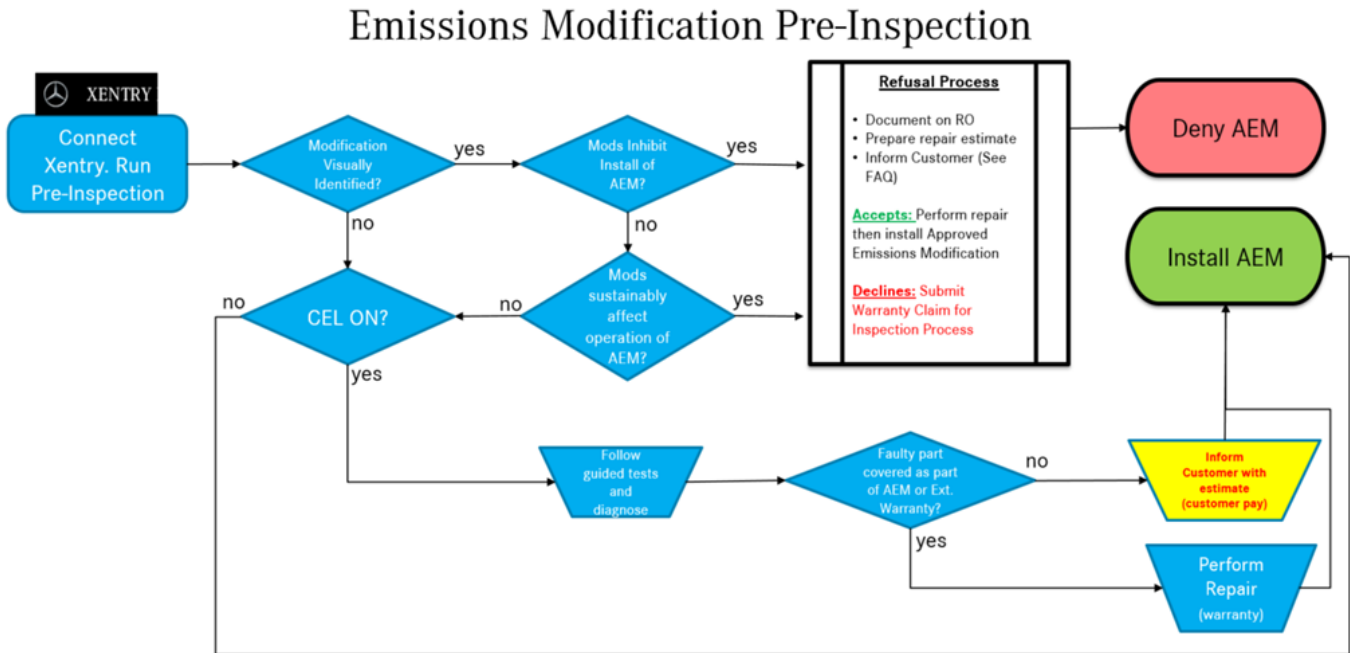


Figure 1

1.5 Disconnect XENTRY diagnosis and remove battery charger

2. Disconnect battery ground.

i For basic data, see **AR54.10-P-0003EW**.

3. Replace the charge air distribution line on the right (A 642 090 06 37) and left (A 642 090 70 37), charge air cross-pipe (A 642 090 16 37), clean air pipe (A 642 090 82 37), EGR valve (A 642 140 19 60), EGR cooler (A 642 140 23 75) and exhaust pipes (exhaust pipe front (A642 140 34 08), exhaust gas recirculation pipe (A 642 140 29 08), exhaust pipe/discharge (A 642 140 27 08)).

i For basic data, see **AR14.20-P-7665SXI**.

i **SI01.10-P-0004A**.

The coolant is to be used again! The coolant must be drained, collected in a clean container and reused.

i If possible, do **not** loosen the oil leak line, as it is quickly damaged.

It is better to disconnect the lines on the fuel filter.

i If the oil leak line needs to be loosened, absolute caution should be exercised.

i The corresponding spare parts are listed in the parts table under the respective spare part!

i Tighten the screw of the adjusting motor (**Hm** 5) (**Figure 2**) (A 642 450 05 94), only after the charge air distribution line has been installed.

i Replace the O-rings (A 000 078 05 80) of the oil leak line at the injectors (**Figure 3**).



Figure 2



Figure 3

i The line that runs from the left fuel distributor to the right fuel distributor is replaced by a **new** version (A 642 070 09 00) (Figure 4).

For position **1**, Figure 4, use the **new** clamp (N 000000 006288) and **new** screw (N 000000 001116 **M6x19mm**).

For position **2**, Figure 4, reuse the **old** clamp and **new** screw (N 000000 001114 **M6x15mm**). The **old** clamp **must be** reinstalled as shown. Attention must be paid to abrasion-free installation.



Figure 4

4. Replace the changeover flap (A 642 140 14 63).

i For basic data, see **AR14.20-P-7661CD**.

5. Replace components of the exhaust system (DPF (A 212 490 78 00 85), DOC (A 212 490 77 00 85), and SCR (A 212 490 50 00 80)).

i For basic data see **AR49.10-P-7100EWI**, **AR14.40-P-1000OGE**, **AR49.10-P-5500OGE**.

i All stickers on the DPF/DOC unit and SCR catalyst must be removed.

6. Remove the O2 sensor.

i For basic data see **AR07.04-P-0080OGE**.

7. Install screw plug (N 007 604 018 109) and sealing ring (A 021 997 62 45) for the O2 sensor port on the DPF (**Nm** 50, Figure 5).

i The O2 sensor is **no longer** needed!



Figure 5

8. Install the plug housing (A 000 545 40 39) on the electrical connection for the O2 sensor (Figure 6).

i The electrical connection of the O2 sensor is **no longer** needed!

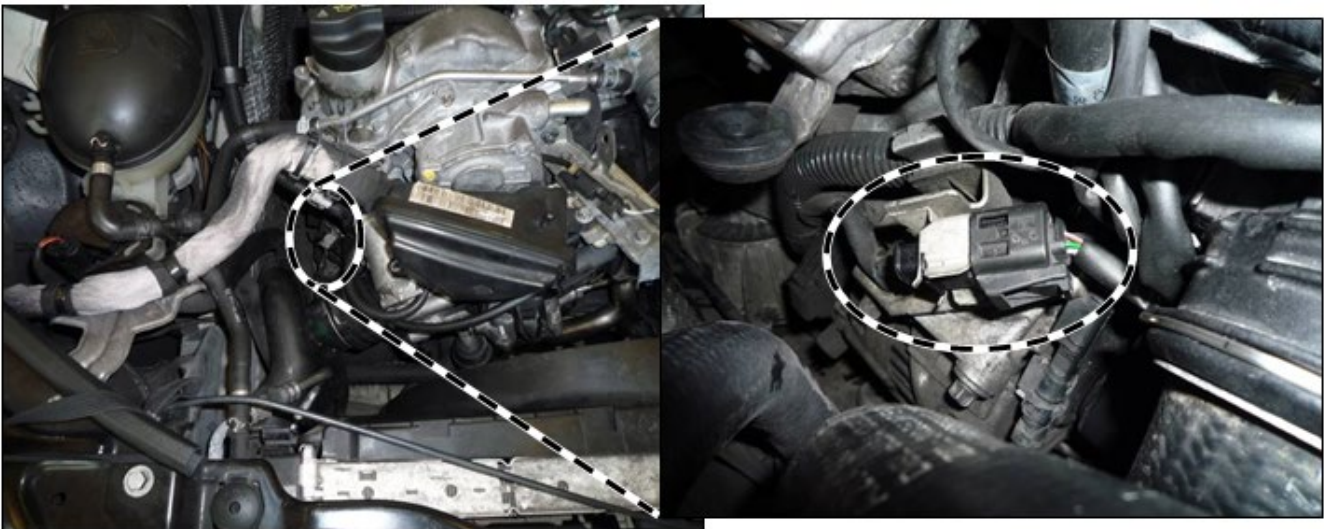


Figure 6

9. Replace both NOx sensors (A 642 905 11 00 85).

- i** For basic data, see **AR14.40-P-20380GE**.
- i** NOx sensor upstream of SCR catalyst (A 000 905 56 12 80)
NOx sensor downstream of SCR catalyst (A 000 905 57 12 80).
- i** It is not necessary to perform the reset routine with XENTRY Diagnosis.
- i** The new sensors are already equipped with hot lubricating paste.
- i** The wires on the old NOx sensors should be cut off to facilitate removal and to ensure that they are not reused (**Figure 7**).



Figure 7

10. Connect the ground line of the battery.

- i** For basic data, see **AR54.10-P-0003EW**.

11. Connect XENTRY Diagnosis.

12. Update and commission the engine control unit, update the software of the engine control unit, VGS and SCR.

- i** To do so, select menu item "Control units view" ➡ **N3/9** – CDI 6-Common Rail Diesel Injection ➡ Special procedures ➡ Service measure "Exhaust aftertreatment system" ➡ Perform Service Measure "Exhaust aftertreatment system".
- i** Then follow the user guidance in XENTRY Diagnosis.
- i** In the background, additional control units may be **automatically** updated.

> Diagnosis 12.0V Ignition ON

Search

- N93 - Central gateway (CGW [ZGW])
- N3/9 - Motor electronics 'CDI6BIN5EU6' for combustion engine 'OM642' (CDI)**
- N150 - DIRECT SELECT interface (DSI)
- A80 - Shift module (ISM)
- N129/1 - Power electronics (SG-EM)
- N118/5 - Selective catalytic reduction (SCR 01)
- N15/5 - Electronic selector module (ESM [EWM])
- N118 - Control unit 'Fuel pump' (FSCU06)
- Y3/8n4 - Fully integrated transmission control (VGS)
- N82/2 - Battery management system (BMS)
- N73 - Electronic ignition lock (EZS)
- E1n1 - Left xenon headlamp (XALWA-L)
- E2n1 - Right xenon headlamp (XALWA-R)
- N25/7 - Steering wheel heater (HSW)
- N69/5 - KEYLESS GO (KG)
- N26/9 - N26/14 - Multifunction control unit
- N2/10 - Supplemental restraint system (SRS)
- LIN: B48 - Seat occupied recognition 'Front passenger' (SBE / AKSE)

Start quick test Clear fault memory Open TIPS results Implement test prerequisites Tests Continue

Version	Error codes / Events	Actual values	Actuations	Adaptations	Control unit log	Special procedures	Tests	Symptoms
Selection						Perform service measure 'Exhaust aftertreatment system'.		
Emissions inspection (AU)								
Starter								
Resetting of warning message 'Fault in AdBlue® system' in multifunction display								
Regeneration of the diesel particulate filter while driving								
Determination of fill level of diesel particulate filter								
Procedures for support queries to market support								
+ Service measure " Exhaust aftertreatment system "								
Pre-Inspection						No selection made		
Perform service measure 'Exhaust aftertreatment system'.								
Check of software release								
Teach-in processes								

> Di... > N3/9 - Motor electronics 'CDI6BIN5EU6' for combustion engine 'OM64...' 13.3V Ignition ON

Service measure

Preconditions:
Refer to the work instructions for the conditions for performing the service measure.

The following steps are performed:

Step 1

- Check requirements.

Step 2
N3/9 (CDI control unit)

- Read out data from old control unit.
- Terminate XENTRY Diagnosis.
- Replace control unit 'N3/9 (CDI control unit).
- Start XENTRY Diagnosis.

Step 3

- Commissioning of control unit 'N3/9 (CDI control unit)'

Step 4

- Programming of control unit 'N118/5 (AdBlue® control unit)'
- Programming of control unit 'Y3/8n4 (Fully integrated transmission control control unit)'

Step 5

- Check of control unit software

NO YES

> Di... > N3/9 - Motor electronics 'CDI6BIN5EU6' for combustion engine 'OM64...' 12.0V Ignition ON

Important note:

- The data were successfully read from the old control unit.
- The event log file was written successfully.

Further procedure:

- Terminate XENTRY Diagnosis.
- Remove old control unit and install new control unit.
- Part number of control unit A642 900 98 01
- Start XENTRY Diagnosis.

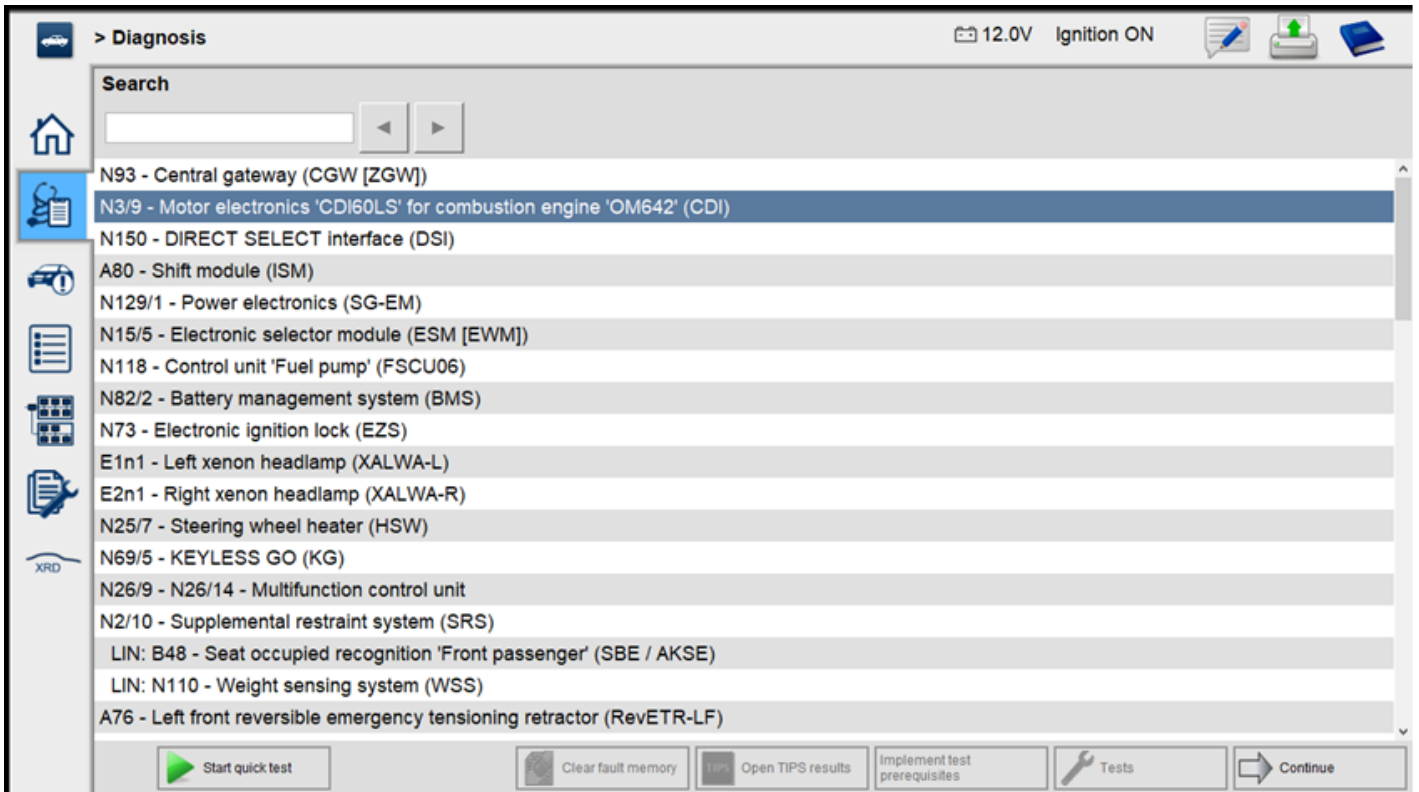
Warning:


- The diagnosis session is terminated now.
- The procedure is terminated with button 'Continue'.

Continue

13. Replace the engine control unit (A 642 900 98 01).

 For basic data see **AR07.08-P-70080GE**.



 The commissioning of the new control unit is started automatically.

> Di... > N3/9 - Motor electronics 'CDI60LS' for combustion engine 'OM642' (C... 14.3V Ignition ON

Service measure

The following steps are performed:

Step 3

- Commissioning of control unit 'N3/9 (CDI control unit)'

Step 4

- Programming of control unit 'N118/5 (AdBlue® control unit)'
- Programming of control unit 'Y3/8n4 (Fully integrated transmission control control unit)'

Step 5

- Check of control unit software

XRD

Continue

> Di... > N3/9 - Motor electronics 'CDI60LS' for combustion engine 'OM642' (C... 14.4V Ignition ON

Service measure

The following steps are performed:

Step 4

- Programming of control unit 'N118/5 (AdBlue® control unit)'
- Programming of control unit 'Y3/8n4 (Fully integrated transmission control control unit)'

Step 5

- Check of control unit software

XRD

Continue

> DI... > N3/9 - Motor electronics 'CDI60LS' for combustion engine 'OM642' (C... 12.0V Ignition ON

Fill out adhesive label correctly.

Part number : **A 000 584 65 15**

Fill out fields on adhesive label.

- EMISSION MODIFICATION: **2020050028**
- DEALER CODE: **(your own code)**
- DATE: ...**(current date)**

Cross off the following fields for this vehicle.

Crankcase ventilation valve	DPF + DOC
Charge air distribution lines & transverse tube	SCR-Catalyst
Intake port shut-off actuator	NOx Sensor
Clean air duct with MAF sensors	Lambda Sensor
EGR valve, cooler and lines	ECU
Software Update	

Apply adhesive label to hood.

- Use Button "Change View" to show correct position of emission label

APPROVED EMISSION MODIFICATION LABEL

EMISSION MODIFICATION PROGRAM NO: **2020050028**

DEALER CODE: **(your code)**

DATE: **(Current Date)**

U.S. EPA: T2 Bin 5 LDV
California: ULEV II PC

This vehicle has received an Approved Emission Modification

The following components have been installed or modified:

- Crankcase ventilation valve	<input checked="" type="checkbox"/>	- DPF + DOC	<input checked="" type="checkbox"/>
- Charge air distribution lines & transverse tube	<input checked="" type="checkbox"/>	- SCR-Catalyst	<input checked="" type="checkbox"/>
- Intake port shut-off actuator	<input checked="" type="checkbox"/>	- NOx Sensor	<input checked="" type="checkbox"/>
- Clean air duct with MAF sensors	<input checked="" type="checkbox"/>	- PM Sensor	<input type="checkbox"/>
- EGR valve, cooler & lines	<input checked="" type="checkbox"/>	- Lambda Sensor	<input checked="" type="checkbox"/>
- Software Update	<input checked="" type="checkbox"/>	- ECU	<input checked="" type="checkbox"/>

A 000 584 65 15

Change view. Continue

> DI... > N3/9 - Motor electronics 'CDI60LS' for combustion engine 'OM642' (CDI) 12.0V Ignition ON

Service measure " Exhaust aftertreatment system "

The procedure was terminated successfully.

Overview

Component	Status
N3/9 (CDI control unit)	CURRENT
Y3/8n4 (Fully integrated transmission control control unit)	CURRENT
N118/5 (AdBlue® control unit)	CURRENT
NOx sensor upstream of SCR catalytic converter	OK
NOx sensor downstream of SCR catalytic converter	OK
Code 130	PRESENT
Code O12	PRESENT

Detailed view

N3/9 (CDI control unit)

Software	Part number	Status of software
MB object number for software	6429040200	✓
MB object number for software	6429027501	✓
MB object number for software	6429038007	✓
SCN (software calibration number)	

Continue

14. Clean the bonding surface area of the hood and apply the adhesive label (A 000 584 65 15) (**Figure 8**).

i The fields on the label must be filled in accordingly. Please use black permanent marker. Refer to XENTRY procedure.

i The adhesive label can be attached to the hood **during** the software update of the control units.



Figure 8

15. Complete XENTRY Diagnosis.


16. Perform a final quick test and transmit to paperless SDS.


i Faults stored in the memory, caused by disconnected lines during the inspections, must be deleted from the fault memory after completing the work.

i If faults are present they need to be addressed. Create a PTSS case if technical support is needed.

Primary Parts Information

Qty.	Part Name	Part Number
1	Part kit (2 x NOX sensors)	A 642 905 11 00 85
1	Part kit (DOC)	A 212 490 77 00 85
1	Parts kit (DPF)	A 212 490 78 00 85
1	SCR catalyst	A 212 490 50 00 80
1	Engine control unit	A 642 900 98 01
1	Profile sealing ring	A 021 997 62 45
1	Screw plug	A 094 990 18 08
1	Plug housing	A 000 545 40 39
1	Adhesive label	A 000 584 65 15
1	Part kit charge air pipe left	A 642 090 26 00
1	Part kit charge air pipe right	A 642 090 27 00
1	Part kit charge air cross pipe	A 642 090 23 00
1	Hexagon nut charge air cross pipe	A 000 990 43 37
1	Clean air pipe	A 642 090 82 37
1	Bleed valve kit	A 642 010 74 15
1	Parts set EGR cooler	A 642 140 07 00
1	EGR valve	A 642 140 19 60
2	Screw	N 000000 001117
1	Exhaust pipe front	A 642 140 34 08
2	Screw	N 910143 006001
1	Exhaust gas recirculation pipe	A 642 140 29 08
1	Screw	N 000000 001116
2	Screw (M6x55)	N 910105 006014
1	Gasket	A 642 142 11 81
1	Part kit exhaust pipe / discharge	A 642 141 06 00
1	Changeover flap	A 642 140 14 63
1	Parts kit exhaust gas turbochargers	A 642 140 08 00
1	Parts kit small Parts Fuel Supply	A 642 070 16 00

 Small parts such as screws, stop nuts, sealing rings, cable ties, liquids, sealants, etc. are not listed in the parts listing. The required small parts are within budget taken into account.

 Parts listed below bolded parts are included in the same repair step

Warranty Information

Operation: (02-1088) Replace NOx sensors and exhaust system components

Includes: Replace charge air distributor line right and left, charge air cross-pipe, clean air pipe, bleed valve, EGR valve, EGR cooler and exhaust pipes (exhaust pipe front, exhaust gas recirculation pipe, exhaust pipe/discharge), changeover flap, replace DPF/DOC and SCR catalyst, remove and cap O2 sensor port, attach adhesive label to the hood, disconnect and connect the ground line of the battery, XENTRY Diagnosis, replace engine control unit, commissioning of the engine control unit

Damage Code	Operation Number	Labor Time (hrs.)
49 920 19	02-1088	13.0

Note

Operation labor times are subject to change