



## EMISSION WARRANTY

**4R/6R 1000 DPF US TIER 4 6R 1100/1300/1500 DPF US  
TIER 4**

customized by



manufactured by



### **Internet**

Further information about Mercedes-Benz products and Daimler Truck AG, as well as products from mtu and Rolls-Royce Solutions GmbH can be found online at:

<https://www.mtu-solutions.com>

<https://www.powertrain.mercedes-benz-trucks.com>

<https://www.daimlertruck.com>

### **Documentation team**

You are welcome to forward any queries or suggestions you may have regarding these operating instructions to the technical documentation team to the following address:

[feedback\\_owner\\_manual@daimlertruck.com](mailto:feedback_owner_manual@daimlertruck.com)

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### **Vehicle manufacturer**

Daimler Truck AG

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Germany

**Article number:** A0165844081

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**General information . . . . . 3**

Comparison of engine model  
designations . . . . . 3

Emission Warranty . . . . . 3

---

**4R/6R 1000 DPF . . . . . 4**

Nationwide US Emission Warrant-  
ty . . . . . 4

California Emission Warranty . . . . . 5

---

**6R 1100/1300/1500 DPF . . . . . 11**

Nationwide US Emission  
Warranty . . . . . 11

California Emission Warranty . . . . . 12

## Table of contents

ii

4R/6R 1000 DPF US TIER 4 6R 1100/1300/1500 DPF US TIER 4/MY 2024 ENU

Comparison of engine model designations

mtu Engine type	Mercedes-Benz Engine model
4R 1000	OM 934 LA
6R 1000	OM 936 LA
6R 1100	OM 470 LA
6R 1300	OM 471 LA
6R 1500	OM 473 LA

Emission Warranty

Your engine is covered by the normal product warranty. In addition, your engine is covered by an emissions warranty that is specified by the U.S. Federal Environmental Protection Agency and the California Air Resources Board, for engines that are confirmed in accordance with the off-road emissions guidelines.

Warranty claims for Mercedes-Benz off-road engines sold in the USA are processed by Rolls-Royce Solution GmbH.

## 4R/6R 1000 DPF

### Nationwide US Emission Warranty

#### Nationwide US Emission Warranty

**In accordance with the requirements of the Federal Clean Air Act as amended, Rolls-Royce Solution GmbH on behalf of Daimler Truck AG warrants to the original and each subsequent owner of a Mercedes-Benz off-road diesel engine that:**

1	The engine was designed, built, and equipped so as to conform at the time of sale to the original owner with the then applicable regulations issued by the Federal Environmental Protection Agency under authority of the Federal Clean Air Act as amended, and that
2	the emission-related components of such engine are free from defects in material and workmanship at the time of sale. The emission control system warranty covers these emission-related components over a period of five years or 3000 hours of engine operation from the date of initial operation of the engine, whichever occurs first. Failures which arise solely as a result of owner abuse and/or lack of proper maintenance are not covered by the warranty.

For further information concerning the emission control system maintenance reference is made in the Operator's Manual and the Maintenance Booklet.

The warranty period shall begin on the date the engine is delivered to the first retail purchaser or, if the engine is first placed in service as a dealer demonstrator prior to sale at retail, on the date the engine is first placed in such service. Emission-related defects in the genuine Mercedes-Benz components listed below, including reasonable related diagnostic costs, are covered by this warranty.

#### What is covered?

These components are covered by the above warranty. Some scheduled maintenance is required (refer to the Maintenance Booklet)

#### Fuel Metering System

- Fuel pressure pump
- Fuel injection system with fuel injectors

#### Secondary Air Injection

- Turbocharger with wastegate
- Intake manifold

#### Exhaust gas recirculation (EGR) system

- EGR valve
- EGR cooler
- EGR rate feedback and control system (Actuator)

#### Aftertreatment system

- DEF dosing system
- NOx sensor engine-out  
NOx sensor tailpipe-out
- Temperature sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
  - DOC upstream
  - SCR catalyst downstream
- Pressure sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
- SCR catalyst
- DOC catalyst

- Exhaust fluid pump
- Exhaust fluid dosing unit
- Diesel particle filter (DPF)
- Wiring harness aftertreatment devices (ATD)

Miscellaneous Items Used in Above Systems

- Electronic control modules (engine, aftertreatment, control)
- Variable valve actuation (cam phaser) system
- Pressure sensors (oil, intercooler outlet, intake manifold, fuel rail, EGR differential)
- Temperature sensors (coolant, intercooler inlet/outlet, intake manifold, oil, fuel)
- Engine speed sensor
- Camshaft position sensor
- Hoses, belts, connectors, assemblies, clamps, installations, tubing, sealing gaskets or devices and mounting hardware
- Emission control information labels

What is not covered?

- Conditions resulting from tampering, misuse, improper adjustment, alteration, accident, failure to use specified fuel or non-performance of maintenance services.
- The replacement of non-warranted maintenance parts.
- Consequential damages such as loss of time, inconvenience, economic loss, loss of use of the engine or equipment.
- Any engine in equipment on which the hour meter reading has been changed so that the mileage cannot be readily determined.

DAIMLER TRUCK AG DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THESE SYSTEMS. THIS WARRANTY IS IN ADDITION TO THE NEW Rolls-Royce SOLUTION GMBH ENGINE WARRANTY FOR OFF-ROAD APPLICATIONS.

California Emission Warranty

Your Warranty Rights And Obligations

The California Air Resources Board and Daimler Truck AG is pleased to explain the emission control system warranty on your 2024 heavy-duty off-road diesel engine. In California, new heavy-duty off-road diesel engines must be designed, built and equipped to meet the State's stringent emissions standards. Daimler Truck AG must warrant the emission control system on your heavy-duty offroad diesel engine for the periods of time listed below, provided there has been no abuse, neglect or improper maintenance of your engine. Your emission control system may include parts such as fuel-injection, catalytic converter and engine computer. Hoses, belts, connectors and other emission-related assemblies may also be included. Where conditions for upholding a warranty claim exist, Rolls-Royce Solution GmbH on behalf of Daimler Truck AG will repair your engine

## 4R/6R 1000 DPF

### California Emission Warranty

at no cost to you, including diagnosis, parts and labor.

#### Manufacturer's Warranty Coverage:

The 2024 heavy-duty off-road engines are warranted for five years or 3000 hours of engine operation, whichever occurs first: If an emission-related part of your engine is defective, the part will be repaired or replaced by Rolls-Royce Solution GmbH on behalf of Daimler Truck AG.

#### Owner's Warranty Responsibilities:

- As the owner of the off-road engine, you are responsible for carrying out the required maintenance listed in your Maintenance Booklet. Daimler Truck AG recommends that you keep all documents relating to maintenance on your off-road engine; however Rolls-Royce Solution GmbH on behalf of Daimler Truck AG cannot refuse warranty solely for the lack of documentation or for lack of assurance that all required maintenance has been carried out.

- As the owner of the off-road engine, you should however be aware that Daimler Truck AG may refuse you warranty coverage if your off-road engine or a part has failed due to misuse, neglect, improper maintenance or unapproved modifications.
- Your engine is designed to be operated only on diesel fuel meeting ASTM D975 standards (a common industry standard widely available to signify quality) or the equivalent. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements. Daimler Truck AG supports the use of biodiesel blends up to 5% are allowed. Daimler Truck AG is responsible for the materials and workmanship of its engines. Failures attributed to the use of fuels which do not meet industry standards are not the fault of Daimler Truck AG and will not be covered by Daimler Truck AG product warranty. While Daimler Truck supports the use of B5, the use of

unacceptable quality fuel that does not meet industry standards can result in warranty revocation.

- You are responsible for initiating the warranty process. The ARB recommends that you present your off-road engine to an authorized mtu workshop as soon as a problem exists. The warranty repair should be completed in a reasonable amount of time and as expeditiously as possible.

If you have any questions regarding the engine owner's warranty rights and responsibilities, you should contact:

Rolls-Royce Solution GmbH Warranty

Telephone: +1 248 560 8200



**General Emissions Warranty Coverage:**

**Rolls-Royce Solution GmbH on behalf of Daimler Truck AG warrants to the ultimate purchaser and each subsequent owner that:**

1	The engine was designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code; and
2	Free from defects in materials and workmanship which would result in a warranted part not being identical in all material respects to the part as described in the engine manufacturer's application for certification, for a period of five years or 3000 hours of engine operation whichever occurs first, except as noted below. In the absence of a device to measure hours of use, the engine shall be warranted for a period of five years.

3	Equipped with an emission control system which is free from defects in materials and workmanship which would cause it not to comply with these regulations, for a period of 5 years or 3000 hours of engine operation whichever occurs first.
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The five-year/3,000-hour period shall begin on the date that the engine is delivered to the first end purchaser or, if the engine is first placed in service as a dealer demonstration model prior to sale at retail, on the date the engine is first placed in such service.

The emission control system of your new Mercedes-Benz off-road diesel engine was designed, built, and tested using Mercedes-Benz approved parts and the engine is certified as being in conformity with Federal and California Air Resources Board emission control regulations.

Additional warranty coverage under Federal regulations, differing from California regulations, may be applicable.

Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement

of emission-related components be Mercedes-Benz Service Parts or Authorized Remanufactured Parts.

The owner may elect to have maintenance, repair or replacement of the emission control devices and systems performed by any automotive repair establishment or individual, and may elect to use parts other than genuine Mercedes-Benz Service Parts or Authorized Remanufactured Parts for such maintenance, repair or replacement without invalidating this warranty; the cost of such service or parts, however, will not be covered under the warranty, except in an emergency situation.

Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than Mercedes-Benz Service Parts or Authorized Remanufactured Parts are used for maintenance, repair or replacement of components affecting emission control, the owner should obtain assurances that such parts are warranted by their manufacturer to be equivalent to genuine Mercedes-Benz

## 4R/6R 1000 DPF

### California Emission Warranty

parts in performance and durability. Daimler Truck AG, however, assumes no liability under this warranty with respect to parts other than Mercedes-Benz Service Parts or Authorized Remanufactured Parts except for consequential damage to a non-Mercedes-Benz warranted part caused by failure of Mercedes-Benz part. However, the use of non-Mercedes-Benz replacement parts does not invalidate the warranty on other components unless non-Mercedes-Benz parts cause damage to warranted parts.

The attached list sets forth the emission-related components covered by this emission control system warranty. You are advised to perform all recommended maintenance or repairs on your new Mercedes-Benz engine. You are responsible for the required maintenance. Daimler Truck AG will not deny a warranty claim solely because you have no record of maintenance; however, Daimler Truck AG may deny a warranty claim if your failure to perform required maintenance resulted in the failure of a warranted part.

Receipts covering the performance of regular maintenance should be retained in the event questions arise concerning maintenance. The receipts should be transferred to each subsequent owner of the engine.

#### Exclusions:

##### This warranty does not cover:

1	Malfunctions in any part caused by any of the following: misuse, improper adjustment, modification, alteration, tampering, disconnection, improper or inadequate maintenance.
2	Damage resulting from accident, acts of nature or other events beyond the control of Daimler Truck AG.
3	The repair and replacement of warranted parts which are scheduled for replacement prior to 3000 hours of operation (such as fuel and air filters etc.), once these parts have been replaced at the first replacement interval as a part of required maintenance service.
4	Incidental or consequential damages such as loss of time, inconvenience, loss of use of the engine.

5	Repairs consisting solely of adjustments to idle speed, valve clearance or injection timing, or any combination thereof.
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This warranty is applicable to engines certified for sale and registered in the State of California. In all other states and countries, defective parts will be repaired or replaced in accordance with the terms and limitations of the warranty for new Mercedes-Benz engines in effect at the time in these states and countries.

With respect to emission-related components, this warranty is expressly in lieu of all other warranties and representations, expressed or implied including, but not limited to, limited warranties of merchantability or fitness for a particular purpose, and all other obligations or liabilities on the part of the warrantor. Daimler Truck AG neither assumes nor authorizes any other person to assume for it any other liability in connection with such emission-related components.

**California Emission Warranty Parts List:**

Warranted emission-related components on engines of above family:

- 1 Fuel Metering System
  - (A) Fuel pressure pump
  - (B) Fuel injection system with fuel injectors
- 2 Secondary Air Injection
  - (A) Turbocharger with wastegate
  - (B) Intake manifold
- 3 Exhaust gas recirculation (EGR) system
  - (A) EGR valve
  - (B) EGR cooler
  - (C) EGR rate feedback and control system (Actuator)
- 4 Aftertreatment system
  - (A) DEF dosing system
  - (B) NOx sensor engine-out
  - (C) NOx sensor tailpipe-out
  - (D) Temperature sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
  - DOC upstream
  - SCR catalyst downstream
- (E) Pressure sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
- (F) Camshaft position sensor
- (G) Hoses, belts, connectors, assemblies, clamps, installations, tubing, sealing gaskets or devices and mounting hardware
- (H) Pulleys, belts and idlers
- (I) Emission control information labels

**Additional Warranty Information**

The warranty on emission-related parts is interpreted by CARB as follows:

- Any warranted part which is not scheduled for replacement as required maintenance, shall be warranted for the warranty period defined in the above section. If any such part fails during the period of warranty coverage, it shall be repaired or replaced under warranty. Any such part, repaired or replaced, under the warranty shall also be warranted for the remaining warranty period.
- Any warranted part scheduled only for regular inspection in the written instructions shall be warranted for

## 4R/6R 1000 DPF

### California Emission Warranty

the warranty period defined in the above section. Any statement in the written instruction to repair or replace as necessary shall not reduce the warranty coverage. Any such part, repaired or replaced, under the warranty shall also be warranted for the remaining warranty period.

- Any warranted part scheduled for replacement as required maintenance is warranted for the period of time prior to the first scheduled replacement point for that part. If replaced or repaired under warranty prior to the first scheduled replacement of that part, the new or repaired part shall be warranted for the time remaining to the first scheduled replacement.
- Repair or replacement of any warranted part under the warranty provisions of this article shall be performed at no charge to the owner at an authorized mtu station.
- Irrespective of the aforementioned provision, warranty services or repairs shall be provided at all manufacturer distribution centers that are

franchised to service the respective engines.

- The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at an authorized repair facility.
- The engine manufacturer shall be liable for damages to other engine components caused by failure under warranty of any warranted part.
- Throughout the engine's warranty period, Daimler Truck AG will maintain a stock of warranted parts in order to meet the demand for such parts.
- Any replacement part may be used in the performance of any maintenance or repairs and must be provided without charge to the owner. It is not necessary for replacement parts to be the same brand or by the same manufacturer as the original part sold with the engine. Such use shall not reduce the warranty obligations of the engine manufacturer.

- Add-on or modified parts that are not exempted by the California Air Resources Board may not be used. The use of any non-exempted add-on or modified parts shall be grounds for disallowing a warranty claim. Daimler Truck AG is not liable to warrant failures of warrant parts caused by the use of a non-exempted add-on or modified part.
- The Executive Officer may request and, in such cases, Daimler Truck AG shall provide, any documents which describe the Daimler Truck AG warranty procedures or policies.

**Nationwide US Emission Warranty**

**In accordance with the requirements of the Federal Clean Air Act as amended, Rolls-Royce Solution GmbH on behalf of Daimler Truck AG warrants to the original and each subsequent owner of a Mercedes-Benz off-road diesel engine that:**

1	The engine was designed, built, and equipped so as to conform at the time of sale to the original owner with the then applicable regulations issued by the Federal Environmental Protection Agency under authority of the Federal Clean Air Act as amended, and that
2	the emission-related components of such engine are free from defects in material and workmanship at the time of sale. The emission control system warranty covers these emission-related components over a period of five years or 3000 hours of engine operation from the date of initial operation of the engine, whichever occurs first. Failures which arise solely as a result of owner abuse and/or lack of proper maintenance are not covered by the warranty.

For further information concerning the emission control system maintenance reference is made in the Operator's Manual and the Maintenance Booklet.

The warranty period shall begin on the date the engine is delivered to the first retail purchaser or, if the engine is first placed in service as a dealer demonstrator prior to sale at retail, on the date the engine is first placed in such service. Emission-related defects in the genuine Mercedes-Benz components listed below, including reasonable related diagnostic costs, are covered by this warranty.

**What is covered?**

These components are covered by the above warranty. Some scheduled maintenance is required (refer to the Maintenance Booklet)

**Fuel Metering System**

- Fuel pressure pump
- Fuel injection system with fuel injectors

**Secondary Air Injection**

- Turbocharger
- Intake manifold

**Exhaust gas recirculation (EGR) system**

- EGR valve
- EGR cooler
- EGR rate feedback and control system (Actuator)

**Aftertreatment system**

- DEF dosing system
- NOx sensor engine-out  
NOx sensor tailpipe-out
- Temperature sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
  - DOC upstream
  - SCR catalyst downstream
- Pressure sensors
  - Diesel particulate filter upstream
  - Diesel particulate filter downstream
- SCR catalyst
- DOC catalyst

## 6R 1100/1300/1500 DPF

### California Emission Warranty

- Exhaust fluid pump
- Exhaust fluid dosing unit
- Diesel particle filter (DPF)
- Wiring harness aftertreatment devices (ATD)

#### Miscellaneous Items Used in Above Systems

- Electronic control modules (engine, aftertreatment, control)
- Pressure sensors (oil, intercooler outlet, intake manifold, fuel rail, EGR differential)
- Temperature sensors (coolant, intercooler inlet/outlet, intake manifold, oil, fuel)
- Engine speed sensor
- Camshaft position sensor
- Hoses, belts, connectors, assemblies, clamps, installations, tubing, sealing gaskets or devices and mounting hardware
- Emission control information labels

#### What is not covered?

- Conditions resulting from tampering, misuse, improper adjustment, alteration, accident, failure to use specified fuel or non-performance of maintenance services.
- The replacement of non-warranted maintenance parts.
- Consequential damages such as loss of time, inconvenience, economic loss, loss of use of the engine or equipment.
- Any engine in equipment on which the hour meter reading has been changed so that the mileage cannot be readily determined.

DAIMLER TRUCK AG DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THESE SYSTEMS. THIS WARRANTY IS IN ADDITION TO THE NEW Rolls-Royce SOLUTION GMBH ENGINE WARRANTY FOR OFF-ROAD APPLICATIONS.

### California Emission Warranty

#### Your Warranty Rights And Obligations

The California Air Resources Board and Daimler Truck AG is pleased to explain the emission control system warranty on your 2024 heavy-duty off-road diesel engine. In California, new heavy-duty off-road diesel engines must be designed, built and equipped to meet the State's stringent emissions standards. Daimler Truck AG must warrant the emission control system on your heavy-duty offroad diesel engine for the periods of time listed below, provided there has been no abuse, neglect or improper maintenance of your engine. Your emission control system may include parts such as fuel-injection, catalytic converter and engine computer. Hoses, belts, connectors and other emission-related assemblies may also be included. Where conditions for upholding a warranty claim exist, Rolls-Royce Solution GmbH on behalf of Daimler Truck AG will repair your engine

at no cost to you, including diagnosis, parts and labor.

**Manufacturer's Warranty Coverage:**

The 2024 heavy-duty off-road engines are warranted for five years or 3000 hours of engine operation, whichever occurs first: if an emission-related part of your engine is defective, the part will be repaired or replaced by Rolls-Royce Solution GmbH on behalf of Daimler Truck AG.

**Owner's Warranty Responsibilities:**

- As the owner of the off-road engine, you are responsible for carrying out the required maintenance listed in your Maintenance Booklet. Daimler Truck AG recommends that you keep all documents relating to maintenance on your off-road engine; however Rolls-Royce Solution GmbH on behalf of Daimler Truck AG cannot refuse warranty solely for the lack of documentation or for lack of assurance that all required maintenance has been carried out.

- As the owner of the off-road engine, you should however be aware that Daimler Truck AG may refuse you warranty coverage if your off-road engine or a part has failed due to misuse, neglect, improper maintenance or unapproved modifications.
- Your engine is designed to be operated only on diesel fuel meeting ASTM D975 standards (a common industry standard widely available to signify quality) or the equivalent. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements. Daimler Truck AG supports the use of biodiesel blends up to 5% are allowed. Daimler Truck AG is responsible for the materials and workmanship of its engines. Failures attributed to the use of fuels which do not meet industry standards are not the fault of Daimler Truck AG and will not be covered by Daimler Truck AG product warranty. While Daimler Truck supports the use of B5, the use of

unacceptable quality fuel that does not meet industry standards can result in warranty revocation.

- You are responsible for initiating the warranty process. The ARB recommends that you present your off-road engine to an authorized mtu workshop as soon as a problem exists. The warranty repair should be completed in a reasonable amount of time and as expeditiously as possible.

If you have any questions regarding the engine owner's warranty rights and responsibilities, you should contact:

Rolls-Royce Solution GmbH Warranty  
Telephone: +1 248 560 8200

## 6R 1100/1300/1500 DPF

### California Emission Warranty

#### General Emissions Warranty Coverage:

**Rolls-Royce Solution GmbH on behalf of Daimler Truck AG warrants to the ultimate purchaser and each subsequent owner that:**

1	The engine was designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code; and
2	Free from defects in materials and workmanship which would result in a warranted part not being identical in all material respects to the part as described in the engine manufacturer's application for certification, for a period of five years or 3000 hours of engine operation, whichever occurs first, except as noted below. In the absence of a device to measure hours of use, the engine shall be warranted for a period of five years.

3	Equipped with an emission control system which is free from defects in materials and workmanship which would cause it not to comply with these regulations, for a period of 5 years or 3000 hours of engine operation, whichever occurs first.
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The five-year/3,000-hour warranty period shall begin on the date that the engine is delivered to the first end purchaser or, if the engine is first placed in service as a dealer demonstration model prior to sale at retail, on the date the engine is first placed in such service.

The emission control system of your new Mercedes-Benz off-road diesel engine was designed, built and tested using Mercedes-Benz approved parts and the engine is certified as being in conformity with Federal and California Air Resources Board emission control regulations.

Additional warranty coverage under Federal regulations, differing from California regulations, may be applicable.

Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement

of emission-related components be Mercedes-Benz Service Parts or Authorized Remanufactured Parts.

The owner may elect to have maintenance, repair or replacement of the emission control devices and systems performed by any automotive repair establishment or individual, and may elect to use parts other than genuine Mercedes-Benz Service Parts or Authorized Remanufactured Parts for such maintenance, repair or replacement without invalidating this warranty; the cost of such service or parts, however, will not be covered under the warranty, except in an emergency situation.

Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than Mercedes-Benz Service Parts or Authorized Remanufactured Parts are used for maintenance, repair or replacement of components affecting emission control, the owner should obtain assurances that such parts are warranted by their manufacturer to be equivalent to genuine Mercedes-Benz



parts in performance and durability. Daimler Truck AG, however, assumes no liability under this warranty with respect to parts other than Mercedes-Benz Service Parts or Authorized Remanufactured Parts except for consequential damage to a non-Mercedes-Benz warranted part caused by failure of Mercedes-Benz part. However, the use of non-Mercedes-Benz replacement parts does not invalidate the warranty on other components unless non-Mercedes-Benz parts cause damage to warranted parts.

The attached list sets forth the emission-related components covered by this emission control system warranty. You are advised to perform all recommended maintenance or repairs on your new Mercedes-Benz engine. You are responsible for the required maintenance. Daimler Truck AG will not deny a warranty claim solely because you have no record of maintenance; however, Daimler Truck AG may deny a warranty claim if your failure to perform required maintenance resulted in the failure of a warranted part.

Receipts covering the performance of regular maintenance should be retained in the event questions arise concerning maintenance. The receipts should be transferred to each subsequent owner of the engine.

**Exclusions:**

**This warranty does not cover:**

1	Malfunctions in any part caused by any of the following: misuse, improper adjustment, modification, alteration, tampering, disconnection, improper or inadequate maintenance.
2	Damage resulting from accident, acts of nature or other events beyond the control of Daimler Truck AG.
3	The repair and replacement of warranted parts which are scheduled for replacement prior to 3000 hours of operation (such as fuel and air filters etc.), once these parts have been replaced at the first replacement interval as a part of required maintenance service.
4	Incidental or consequential damages such as loss of time, inconvenience, loss of use of the engine.

5	Repairs consisting solely of adjustments to idle speed, valve clearance or injection timing, or any combination thereof.
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This warranty is applicable to engines certified for sale and registered in the State of California. In all other states and countries, defective parts will be repaired or replaced in accordance with the terms and limitations of the warranty for new Mercedes-Benz engines in effect at the time in these states and countries.

With respect to emission-related components, this warranty is expressly in lieu of all other warranties and representations, expressed or implied including, but not limited to, limited warranties of merchantability or fitness for a particular purpose, and all other obligations or liabilities on the part of the warrantor. Daimler Truck AG neither assumes nor authorizes any other person to assume for it any other liability in connection with such emission-related components.

## 6R 1100/1300/1500 DPF

### California Emission Warranty

#### California Emission Warranty Parts List:

Warranted emission-related components on engines of above family:

- 1 Fuel Metering System
  - (A) Fuel pressure pump
  - (B) Fuel injection system with fuel injectors
- 2 Secondary Air Injection
  - (A) Turbocharger
  - (B) Intake manifold
- 3 Exhaust gas recirculation (EGR) system
  - (A) EGR valve
  - (B) EGR cooler
  - (C) EGR rate feedback and control system (Actuator)
- 4 Aftertreatment system
  - (A) DEF dosing system
  - (B) NOx sensor engine-out
  - (C) NOx sensor tailpipe-out
  - (D) Temperature sensors
    - Diesel particulate filter upstream
    - Diesel particulate filter downstream
- 5 Miscellaneous items used in above systems
  - (A) Electronic control modules (engine, aftertreatment, control)
  - (B) Pressure sensors (oil, intercooler outlet, intake manifold, fuel rail, EGR differential)
  - (C) Sensors (coolant, intercooler inlet/outlet, intake manifold, oil, fuel)
  - (D) Engine speed sensor
  - (E) Camshaft position sensor
  - (F) Hoses, belts, connectors, assemblies, clamps, installations, tubing, sealing gaskets or devices and mounting hardware
  - (G) Pulleys, belts and idlers
  - (H) Emission control information labels

#### Additional Warranty Information

The warranty on emission-related parts is interpreted by CARB as follows:

- Any warranted part which is not scheduled for replacement as required maintenance, shall be warranted for the warranty period defined in the above section. If any such part fails during the period of warranty coverage, it shall be repaired or replaced under warranty. Any such part, repaired or replaced, under the warranty shall also be warranted for the remaining warranty period.
- Any warranted part scheduled only for regular inspection in the written instructions shall be warranted for the warranty period defined in the above section. Any statement in the

written instruction to repair or replace as necessary shall not reduce the warranty coverage. Any such part, repaired or replaced, under the warranty shall also be warranted for the remaining warranty period.

- Any warranted part scheduled for replacement as required maintenance is warranted for the period of time prior to the first scheduled replacement point for that part. If replaced or repaired under warranty prior to the first scheduled replacement of that part, the new or repaired part shall be warranted for the time remaining to the first scheduled replacement.
- Repair or replacement of any warranted part under the warranty provisions of this article shall be performed at no charge to the owner at an authorized mtu station.
- Irrespective of the aforementioned provision, warranty services or repairs shall be provided at all manufacturer distribution centers that are franchised to service the respective engines.
- The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at an authorized repair facility.
- The engine manufacturer shall be liable for damages to other engine components caused by failure under warranty of any warranted part.
- Throughout the engine's warranty period, Daimler Truck AG will maintain a stock of warranted parts in order to meet the demand for such parts.
- Any replacement part may be used in the performance of any maintenance or repairs and must be provided without charge to the owner. It is not necessary for replacement parts to be the same brand or by the same manufacturer as the original part sold with the engine. Such use shall not reduce the warranty obligations of the engine manufacturer.
- Add-on or modified parts that are not exempted by the California Air Resources Board may not be used.

The use of any non-exempted add-on or modified parts shall be grounds for disallowing a warranty claim. Daimler Truck AG is not liable to warrant failures of warrant parts caused by the use of a non-exempted add-on or modified part.

- The Executive Officer may request and, in such cases, Daimler Truck AG shall provide, any documents which describe the Daimler Truck AG warranty procedures or policies.