Maintenance Booklet 2008 Light Trucks

M-Class, R-Class, GL-Class (AMG and Diesel models)

Mercedes-Benz

PLEASE NOTE

WE STRONGLY RECOMMEND THAT YOU HAVE YOUR VEHICLE SERVICED BY YOUR AUTHORIZED MERCEDES-BENZ LIGHT TRUCK CENTER WHO IS FULLY EQUIPPED TO PROVIDE THIS SERVICE AND THAT GENUINE MERCEDES-BENZ PARTS BE USED.

SERVICE, REPLACEMENT, OR REPAIR OF THE EMISSION CONTROL DEVICES AND SYSTEMS CAN BE PERFORMED BY ANY AUTOMOTIVE REPAIR ESTABLISHMENT OR INDIVIDUAL USING CERTIFIED PARTS.

THE USE OF DEFECTIVE OR NON-EQUIVALENT PARTS MAY RESULT IN YOUR EMISSION PERFORMANCE WARRANTY CLAIM BEING DENIED.

▶	▶
Model	License Plate No.
▶	▶
Vehicle Identification Number (VIN)	License Plate No.
▶	▶
Date of initial registration	License Plate No.
▶	▶
Paint color and code	License Plate No.

Protecting the environment

H

Natural resources form the basis of our existence on this planet. The objectives of our policy are for these resources to be used sparingly and in a manner which takes the requirements of both nature and humanity into account.

Our declared policy is integrated environmental protection. This policy starts at the root causes and encompasses in its management decisions all the consequences for the environment which could arise from production processes or the products themselves.

You too can help to protect the environment by operating your Mercedes-Benz in an environmentally responsible manner.

Operating conditions and your individual driving style to a large extent influence fuel consumption and the rate of engine, brake, and tire wear. To reduce fuel consumption and the rate of wear, please consider the following:

- Avoid short trips.
- Make sure that the tire pressures are always correct.
- Avoid frequent, abrupt acceleration.
- Do not carry any unnecessary weight.
- Remove ski holders and roof racks once you no longer need them.
- Do not warm up the engine with the car stationary.
- Shift gears such that each gear is used only up to 2/3 of its maximum engine speed.
- Keep an eye on the vehicle's fuel consumption.

A regularly serviced vehicle will also help protect the environment. You should adhere to the maintenance intervals displayed by the Maintenance System service indicator, along with other maintenance work described in this booklet.

We recommend that you have maintenance services performed by an authorized Mercedes-Benz Light Truck Center using Genuine Mercedes-Benz parts.

Contents

Maintenance Booklet

Introduction

We want you to enjoy your Mercedes-Benz automobile. Vehicle safety and operational reliability are two very important factors and to maintain them, regular maintenance services are necessary.

We continuously strive to improve our product and ask for your understanding that we reserve the right to make changes in the periodic maintenance work which is required for our vehicles. The information in this manual is accurate as of the editorial date. At the time of your scheduled maintenance appointments with your authorized Mercedes-Benz Center, the most current maintenance work information will be utilized for your vehicle's age or mileage. Please check with your authorized Mercedes-Benz Center for any changes to the periodic maintenance work required for your vehicle.

Your Mercedes-Benz comes equipped with the **Mercedes-Benz Maintenance System**. The Maintenance system tracks distance driven and the time elapsed since your last service. In addition, it calculates service items that need to be performed and other required maintenance work. The next necessary maintenance service is indicated in the multifunction display in the instrument cluster.

The maintenance services will be indicated by showing a service type A through type H in the multifunction display.

Types A through H are classified based on the estimated time needed to perform the maintenance service, ranging from up to approximately one hour (type A) to up to approximately eight hours (type H).

When scheduling a maintenance appointment with your authorized Mercedes-Benz Center, always indicate the service type that appears in the multifunction display. This will help the Mercedes-Benz Center to schedule your vehicle maintenance in the most efficient manner.

A descriptive listing of the service items 1-20 are contained in this booklet, starting on page 58. Following each maintenance service, your Mercedes-Benz Center will reset the Maintenance System service indicator by confirming the service items performed.

If the Maintenance System maintenance service counter was inadvertently reset, have a Mercedes-Benz Center correct it. Please only reset if the proper maintenance service has been performed. Resetting the system without performing the proper maintenance service will result in engine and/or other vehicle damage not covered by the Mercedes-Benz Limited Warranty.

Tire rotation - Your vehicle's tires are a critical component to overall vehicle performance and vehicle stability. The useful life of tires will vary and is proportional to tire type, speed rating, ambient conditions, tire loading, tire inflation pressure, road surfaces, and individual driving style, among other factors. Therefore, Mercedes-Benz recommends regular checks for wear and proper inflation and, if applicable to your vehicle's tire configuration, tire rotation.

Tire rotations can be performed on vehicles with the same tire dimensions all around. If your vehicle is equipped with the same tire dimensions all around, tires can be rotated by observing a front-to-rear rotation pattern that will maintain the intended rotation (spinning) direction of the tire (on unidirectional tires, an arrow on the sidewall indicates the intended rotation or spinning direction of the tire). In some cases, such as when your vehicle is configured with staggered-size (different tire sizes, front vs. rear), tire rotations are not possible.

Introduction

If your vehicle's tire configuration allows for tire rotation, tire rotation should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) tread wear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals.

The first tire rotation, so long as it occurs before 6,500 miles (vehicle odometer), will be provided at no charge by an authorized Mercedes-Benz Light Truck Center courtesy of Mercedes-Benz.

Should a tire rotation not be possible for your vehicle's tire configuration, an authorized Mercedes-Benz Light Truck Center will check your tires for proper tire inflation pressure and perform a tread inspection, also at no charge courtesy of Mercedes-Benz, so long as this occurs before 6,500 miles (vehicle odometer).

For your convenience, this Maintenance Booklet contains a tire rotation confirmation page on which you can record the date and mileage when tire rotations were performed.

Severe operating conditions - The maintenance intervals have been determined so that the vehicle, under normal operating conditions, should operate properly between maintenance services. Severe operating conditions may call for correspondingly sooner replacement of the following items:

INTERIOR FILTERS (e.g. dust filter, recirculating air filter, activated charcoal filter or combination filter) are replaced as called for by the Maintenance System. Under severe dust conditions, or with the Climate Control frequently operating in the air recirculation mode, the filters should be replaced correspondingly sooner and changed more frequently than as called for by the Maintenance System.

SPARK PLUGS. The Maintenance System calls for spark plug replacement every 60,000 miles or 5 years, whichever comes first. Severe operating conditions (frequent starting and stopping, excessive idling, sustained fast highway driving) may call for spark plugs to be replaced correspondingly sooner.

COOLANT. Have the coolant (water/anti-corrosion/antifreeze mixture) replaced every 150,000 miles or 15 years, see page 64. Replacement of coolant may be required more frequently if coolant is not maintained according to instructions and/or other than approved anticorrosion/antifreeze products for your vehicle are being used. For instructions on coolant, see “Coolants” in your vehicle Operator’s Manual. For a listing of approved anticorrosion/antifreeze products for your vehicle, refer to the Factory Approved Service Products pamphlet, or contact an authorized Mercedes-Benz Center.

Wear items - While the Maintenance System calls for inspection of certain wear items, the system does not make any judgment on the condition of these wear items. Only a qualified technician can determine if a wear item needs to be replaced.

Engine oils and oil filters are specifically tested for their suitability in our engines and durability for our service intervals. Therefore, only use approved engine oils and oil filters required for vehicles with Maintenance System. For a listing of approved engine oils and oil filters, refer to the Factory Approved Service products pamphlet, or contact an authorized Mercedes-Benz Light Truck Center.

Using engine oils and oil filters of specification other than those expressly required for the Maintenance System or changing of oil and oil filter at change intervals longer than those called for by the Maintenance System will result in engine damage not covered by the Mercedes-Benz Limited Warranty.

Introduction

Regular checks

In addition to the services, we recommend that you check the following items regularly (for example: weekly, when refueling, or before any long journey):

- **Engine oil level** - Depending on how your vehicle is equipped, check the engine oil level using the oil level dipstick or the control system via the multifunction steering wheel/display. Further information about engine oil level measurement can be found in the vehicle Operator's Manual.

- **Coolant level** - Please refer to the Operator's Manual for the correct procedure to check the coolant level.

- **Brake fluid level** - If brake fluid has to be added, see an authorized Mercedes-Benz Light Truck Center to determine the cause, e.g. leaks or worn brake pads.

- **Windshield washing system** - If the washer fluid level drops below 1/3, the windshield washer fluid level warning lamp will illuminate. Add washer fluid mixed with Mercedes-Benz windshield washer solvent/concentrate, test function and check wiper blades.

- **Check lights**

- **Tire condition and pressures** – Check at least every other week. Please refer to section "Tires and wheels" in the Operator's Manual for guidelines and correct procedures to check tire condition and pressures.

Please refer to the Factory Approved Service Products booklet or see your Mercedes-Benz Center for more information on selecting the proper fluids, lubricants, filters and oils for your vehicle.

Notes on the warranty

An extensive and well-equipped network of Mercedes-Benz Centers is at your disposal for service work. Your authorized Mercedes-Benz Light Truck Center can ensure that your vehicle is professionally and thoroughly serviced and repaired.

Please see the Service and Warranty Information booklet for detailed information on warranty terms and coverage.

Please follow the instructions given in this Maintenance Booklet, even if you entrust the vehicle to a third party for use or care. Only in this way will you be able to ensure that your warranty rights are not affected.

Service, replacement, or repair of the emission control devices and systems can be performed by any automotive repair establishment or individual using certified parts.

We strongly recommend that you have your vehicle serviced by your authorized Mercedes-Benz Light Truck Center which is fully equipped to provide this service.

Please note that engines have to be serviced in accordance with special instructions and using special measuring equipment to comply with legal requirements concerning exhaust emissions. Modifications to or tampering with emissions components is not permissible. Your authorized Mercedes-Benz Light Truck Center is familiar with the relevant regulations.

Introduction

Parts / Operating materials

We recommend only the use of Genuine Mercedes-Benz parts for service and repairs, since they meet our specifications. It is also important to only use fuels, lubricants, filters and anticorrosion/antifreeze coolant meeting factory specifications. Please refer to the Factory Approved Service Products booklet or see your Mercedes-Benz Center for more information on this subject.

Service records

Your authorized Mercedes-Benz Light Truck Center will certify in the Maintenance Booklet the maintenance services on your vehicle which it has performed.

Other than the maintenance services described, the Maintenance Booklet does not record or reflect any repair work that may have been performed to your vehicle. Please keep those receipts with your vehicle records.

For information concerning warranty, see your Service and Warranty Information booklet.

Your authorized Mercedes-Benz Light Truck Center will gladly furnish additional information on the maintenance of your vehicle.

We extend our best wishes for many miles of safe, pleasurable driving.

Mercedes-Benz USA, LLC
A DaimlerChrysler Company

Gasoline Engines

The U.S. Environmental Protection Agency and, in California, the Air Resources Board have certified that the emission control systems of your vehicle comply with the applicable exhaust emission standards for model year 2008 vehicles. This vehicle also complies with the applicable Canadian Motor Vehicle Emission Standards.

To be certain that the emission control systems function as designed, regular maintenance is necessary for components of the vehicle which affect exhaust and evaporation emissions composition.

The vehicle owner is responsible for the regular maintenance of the emission control system, as well as the use of premium unleaded gasoline with an anti-knock index of at least 91 (displayed on the pump) in all gasoline engine models unless otherwise specified.

Failure to properly maintain the emission system may result in repairs not being covered by the emission system warranties.

Explanations of each maintenance job are given in numerical order on page 67.

Emission System Maintenance

Emission Control System Caution - Gasoline Engines

Your Mercedes-Benz vehicle is equipped with both a three-way catalyst and a closed loop oxygen sensor system to comply with current exhaust emission regulations. Keep your vehicle in proper operating condition by following our recommended maintenance instructions as outlined.

The following has to be adhered to:

a) In all gasoline engine models, use only premium unleaded gasoline with an anti-knock index of at least 91 (as displayed on the pump) unless otherwise specified. Damage to the engine could occur if premium unleaded fuel is not used. Refer to the Operator's Manual for special precautions.

b) Leaded gasoline should not be used under any circumstances. Damage to the emission control components will result.

c) The specified engine maintenance jobs have to be performed completely and at the required intervals. Correct ignition timing and properly functioning spark plugs for instance are important for the service life of the catalysts. Failure to properly perform the specified maintenance jobs may adversely affect the emission control system on the vehicle and reduce its service life.

d) **The operation of the emission control system must not be altered in any way.** Alterations are not permissible by law. In addition, alterations may result in damage to the catalysts, increased fuel consumption, and impaired engine running conditions.

e) **Irregular engine running conditions should be corrected immediately by an authorized Mercedes-Benz Light Truck Center.** Such irregular running conditions can influence the proper function of the emission control system.

If the “CHECK ENGINE” indicator lamp in the instrument cluster illuminates when the engine is running, it indicates a possible malfunction of the engine management system or emission control system.

We recommend that you have the malfunction checked as soon as possible.

Emission System Maintenance

Emission Control System Caution - Diesel Engines

Your Mercedes-Benz is equipped with emission control devices to comply with current diesel exhaust emission regulations where the vehicle is certified for sale. Keep your vehicle in proper operating condition by following our recommended maintenance instructions as outlined.

The following has to be adhered to:

a) **Diesel engines require S15 Ultra Low Sulfur Diesel fuel (15 ppm Sulfur maximum).** Failure to use Ultra Low Sulfur Diesel fuel can severely damage the vehicle's exhaust aftertreatment device. Please refer to the Factory Approved Service Products brochure for a sample of diesel fuel pump labeling.

b) **Mercedes-Benz USA, LLC approves the use of B5 biodiesel (standard diesel with a maximum of up to 5% biodiesel content) in all Common Rail Injection Diesel "CDI-engines."** Diesel fuels containing a higher percentage of biodiesel content will cause damage to your engine and are not approved.

As biodiesel can be refined from a variety of raw materials resulting in widely varying properties, the only approved biodiesel content is one that meets ASTM D6751 specification. It must also have the necessary oxidation stability (min. 6h, proved with EN14112 method) to prevent damage to the system from deposits and/or corrosion.

Please ask your service station for further information. If the B5 biodiesel blend is not sufficiently labeled to clearly indicate that it meets the above standards, please do not use it. The Mercedes-Benz limited warranty does not cover damage caused by the use of fuels not meeting Mercedes-Benz approved fuel standards.

c) **The specified engine maintenance jobs have to be performed completely and at the required intervals.**

d) **The operation of the emission control system must not be altered in any way.** Alterations are not permissible by law. In addition, alterations may result in damage to the catalysts, increased fuel consumption, and impaired engine running conditions.

If the “CHECK ENGINE” indicator lamp in the instrument cluster illuminates when the engine is running, it indicates a possible malfunction of the engine management system or emission control system.

We recommend that you have the malfunction checked as soon as possible.

First visit: 1,000 miles - 3,000 miles

Date: _____

Odometer: _____

Rubber stamp

Performed	Yes/No
Diagnostic test	☐ ○
Q+A on vehicle	☐ ○

_____
Signature

First visit provided at no charge*

*This first visit for a basic vehicle diagnostic test at an authorized Mercedes-Benz Light Truck Center is provided at no charge. Please refer to the Service and Warranty Information Booklet for full details.

First visit: 1,000 miles - 3,000 miles

_____
Appointment Month/year

Tire rotation

If applicable to your vehicle's tire configuration (see page 5), tire rotation should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) tread wear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenanceservices and at every maintenance service based on Mercedes-Benz maintenance intervals.

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Tire rotations should be performed in accordance with the tire manufacturer's recommendations in the Tire Warranty Pamphlet included in your vehicle literature portfolio. However, tires should be rotated at the first sign of irregular tread wear, even if it occurs before the recommended rotation intervals, and should be checked regularly for wear and proper inflation. Please note that the useful life of tires will vary depending on tire type, speed rating, road surfaces, and individual driving style.

The first tire rotation occurring at an authorized Mercedes-Benz Light Truck Center at any time before 6,500 miles (vehicle odometer) is provided at no charge.

First tire rotation provided at no charge*

*This first tire rotation at an authorized Mercedes-Benz Light Truck Center at any time before 6,500 miles (vehicle odometer) is provided at no charge. Please refer to the Service and Warranty Information Booklet for full details.

Reminder: Tire rotation

Tire rotation

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Date: _____ Odometer: _____ Date: _____ Odometer: _____

Maintenance: 10,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

First Maintenance due 10,000 miles or

_____
Month/year

Maintenance: 20,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 20,000 miles or

_____
Month/year

Maintenance: 30,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 30,000 miles or

_____
Month/year

Maintenance: 40,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 40,000 miles or

_____
Month/year

Maintenance: 50,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 50,000 miles or

_____
Month/year

Maintenance: 60,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 60,000 miles or

_____
Month/year

Maintenance: 70,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 70,000 miles or

_____
Month/year

Maintenance: 80,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 80,000 miles or

_____
Month/year

Maintenance: 90,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 90,000 miles or

_____
Month/year

Maintenance: 100,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 100,000 miles or

_____
Month/year

Maintenance: 110,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 110,000 miles or

_____
Month/year

Maintenance: 120,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 120,000 miles or

_____
Month/year

Maintenance: 130,000 miles

Services 1, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 130,000 miles

or

_____
Month/year

Maintenance: 140,000 miles

Services 2, 3 and other applicable services

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 140,000 miles or

_____
Month/year

Maintenance: 150,000 miles

Services 1, 3, other applicable services and recommended high-mileage checks

For scope of work, refer to maintenance overview and description of maintenance services starting on page 51.

Date: _____

Odometer: _____

Oil Brand / viscosity: _____

Repair order no. (if applicable): _____

Maintenance service completed:

Rubber stamp

_____
Signature

Next Maintenance due 150,000 miles or

_____
Month/year

Required Vehicle Maintenance Service Work (including Emission System Maintenance)

Notes:
For an overview of maintenance services and intervals, see page 52.
Maintenance services must be performed at the number of miles or years (whichever comes first) as indicated, except where no time interval available or otherwise noted.

If your vehicle exceeds the mileage shown in the maintenance service overview, continue to maintain the vehicle by having performed the maintenance services at the time or mileage intervals (whichever comes first) as indicated starting on page 56.

Detailed descriptions for each maintenance service can be found starting on page 58.

For description of emission system maintenance jobs, see page 67.

The four digit-numbers listed next to the maintenance services are reference numbers of the detailed maintenance job descriptions listed in the Mercedes-Benz maintenance information used by Mercedes-Benz technicians.

Maintenance service overview M-Class AMG and Diesel, GL-Class Diesel (164)

Miles	1,000 - 3,000	10,000	20,000	30,000	40,000	50,000	60,000	70,000
Time (Years)	- - - -	1	2	3	4	5	6	7
First visit (▷ page 56)	•							
Tire rotation (▷ page 57)	If applicable to your vehicle's tire configuration (see page 5), tire rotations should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) treadwear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals.							
Service 1 (▷ page 58)		•		•		•		•
Service 2 (▷ page 60)			•		•		•	
Service 3 (▷ page 62)		•	•	•	•	•	•	•
Service 4 (▷ page 62)			• [1]		• [1]		• [1]	
Service 5 (▷ page 62)				• [2]			• [3]	
Service 6 (▷ page 62)								
Service 7 (▷ page 62)								
Service 8 (▷ page 63)					•			
Service 9 (▷ page 63)								
Service 10 (▷ page 63)								
Service 11 Gasoline engine (▷ page 63)								
Service 11 Diesel engine (▷ page 63)			•		•		•	
Service 12 (▷ page 64)							• [4]	
Service 13 (▷ page 64)								
Service 20 (▷ page 64)					• [9]			
High-mileage checks (▷ page 65)								

[1] not mileage dependent; only time interval applies [2] at 30,000 miles or 2 years [3] at 60,000 miles or 4 years [4] at 60,000 miles or 5 years
[9] not time dependent; only mileage-interval applies

Maintenance service overview M-Class AMG and Diesel, GL-Class Diesel (164)

Miles	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Time (Years)	8	9	10	11	12	13	14	15
First visit								
Tire rotation	If applicable to your vehicle's tire configuration (see page 5), tire rotations should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) treadwear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals.							
Service 1		•		•		•		•
Service 2	•		•		•		•	
Service 3	•	•	•	•	•	•	•	•
Service 4	• [1]		• [1]		• [1]		• [1]	
Service 5		• [5]			• [6]			• [8]
Service 6								
Service 7								
Service 8	•				•			
Service 9								
Service 10								
Service 11 Gasoline engine								•
Service 11 Diesel engine	•		•		•		•	
Service 12					• [7]			
Service 13								•
Service 20								
High-mileage checks								• [9]

[1] not mileage dependent; only time-interval applies [5] at 90,000 miles or 6 years [6] at 120,000 miles or 8 years [7] at 120,000 miles or 10 years [8] at 150,000 miles or 10 years
[9] not time dependent; only mileage-interval applies

Maintenance service overview R-Class Diesel (251)

Miles	1,000 - 3,000	10,000	20,000	30,000	40,000	50,000	60,000	70,000
Time (Years)	- - - -	1	2	3	4	5	6	7
First visit (▷ page 56)	•							
Tire rotation (▷ page 57)	If applicable to your vehicle's tire configuration (see page 5), tire rotations should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) treadwear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals.							
Service 1 (▷ page 58)		•		•		•		•
Service 2 (▷ page 60)			•		•		•	
Service 3 (▷ page 62)		•	•	•	•	•	•	•
Service 4 (▷ page 62)			• [1]		• [1]		• [1]	
Service 5 (▷ page 62)				• [2]			• [3]	
Service 6 (▷ page 62)								
Service 7 (▷ page 62)								
Service 8 (▷ page 63)					•			
Service 9 (▷ page 63)								
Service 10 (▷ page 63)				• [1]			• [1]	
Service 11 (▷ page 63)			•		•		•	
Service 12 (▷ page 64)								
Service 13 (▷ page 64)								
Service 20 (▷ page 64)					• [7]			
High-mileage checks (▷ page 65)								

[1] not mileage dependent; only time interval applies [2] at 30,000 miles or 2 years [3] at 60,000 miles or 4 years [7] not time dependent; only mileage-interval applies

Maintenance service overview R-Class Diesel (251)

Miles	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Time (Years)	8	9	10	11	12	13	14	15
First visit								
Tire rotation	If applicable to your vehicle's tire configuration (see page 5), tire rotations should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) treadwear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals.							
Service 1		•		•		•		•
Service 2	•		•		•		•	
Service 3	•	•	•	•	•	•	•	•
Service 4	• [1]		• [1]		• [1]		• [1]	
Service 5		• [4]			• [5]			• [6]
Service 6								
Service 7								
Service 8	•				•			
Service 9								
Service 10		• [1]			• [1]			• [1]
Service 11	•		•		•		•	
Service 12								
Service 13								•
Service 20								
High-mileage checks								• [7]

[1] not mileage dependent; only time-interval applies
[4] at 90,000 miles or 6 years
[5] at 120,000 miles or 8 years
[6] at 150,000 miles or 10 years
[7] not time dependent; only mileage-interval applies

First visit

First visit: 1,000 miles - 3,000 miles	
Diagnostic test and Q+A on vehicle This first visit for a basic vehicle diagnostic test at your authorized Mercedes-Benz Light Truck Center is provided at no charge.	00-5500

Tire rotations	
If applicable to your vehicle's tire configuration (▷ page 5), tire rotation should be performed in accordance with the tire manufacturer's recommended intervals, or sooner at first signs of irregular (uneven) tread wear. Tire manufacturer's rotation recommendations will necessitate a tire rotation at least once in between maintenance services and at every maintenance service based on Mercedes-Benz maintenance intervals. The first tire rotation (▷ page 19) occurring at an authorized Mercedes-Benz Light Truck Center at any time before 6,500 miles (vehicle odometer) is provided at no charge.	----

US Service 1 at 10,000 miles or 1 year; then every 20,000 miles and 2 years	
Engine compartment	
Check catch, safety catch and hinges on engine hood for proper operation	8851
Check the following fluid levels, correct if necessary. If there is a loss of fluid, determine cause and perform repair with separate work order	
Brake system	4210
Windshield washer system	8210
Vehicle front/rear	
Check wiper blade condition	8253
Correct tire inflation pressure of spare tire **(except ML63 AMG)**	----
Wheels, brakes	
Check front/rear brake pads for lining thickness	4253
Correct tire inflation pressure	----
Inspect tires for damage and splits, measure tread depth and record in mm	4051

US Service 1 (continued)	
Interior	
Reset maintenance service indicator in instrument cluster	0042
Function check	
Horn, warning/indicator lamps, illumination and interior lighting	----
Windshield wipers, windshield washer system, headlamp cleaning system	8252
Check battery condition using “Midtronics MCR 717” tester	----

Maintenance service descriptions

US Service 2 at 20,000 miles or 2 years; after first every 20,000 miles and 2 years	
Engine compartment	
Clean water drain in air/water duct	8339
Leakage - Major components Check for chafe marks, line routing, damaged components In the event of leakage, determine cause and perform repair via separate work order	0053
Check catch, safety catch and hinges on engine hood for proper operation	8851
Check condition of poly-V-belt	----
Check the following fluid levels, correct if necessary. **If there is a loss of fluid, determine cause and perform repair with separate work order**	
Brake system	4210
Power steering	4611
Windshield washer system	8210
Drain fuel filter **(Engine 642)**	0794
Underside of vehicle	
Leakage - Major components Check for chafe marks, line routing, damaged components In the event of leakage, determine cause and perform repair via separate work order	0053
Check front axle ball joints for play, check rubber boots	3353
Check rear axle ball joints for play, check rubber boots	3355
Inspect play of tie rod and drag link joints, inspect rubber boots	4653

US Service 2 (continued)	
Vehicle front/rear	
Check and correct headlamp setting	8260
Check wiper blade condition	8253
Correct tire inflation pressure of spare tire **(except ML63 AMG)**	----
Wheels, brakes	
Check front/rear brake pads for lining thickness	4253
Correct tire inflation pressure	----
Inspect tires for damage and splits, measure tread depth and record in mm	4051
Interior	
Reset maintenance service indicator in instrument cluster	0042
Function check	
Check parking brake (function test only)	----
Horn, warning and indicator lamps, illumination and interior lighting	----
Windshield wipers, windshield washer system, headlamp cleaning system, where applicable	8252
Check seat belts and buckles for signs of external damage and proper function	9150
Check battery condition using “Midtronics MCR 717” tester	----

Maintenance service descriptions

US Service 3 at every 10,000 miles or 1 year	
Engine compartment Engine - oil and filter change	0101
US Service 4 at every 2 years	
Check bodywork for paint work damage	9850
Underside of vehicle Chassis and load-bearing body components: Check for damage and corrosion	0090
Engine compartment Replace brake fluid	4280
US Service 5 at every 30,000 miles or 2 years	
Passenger compartment Replace combination filter	8384
US Service 6	
Not applicable	
US Service 7	
Not applicable	

US Service 8 at every 40,000 miles or 4 years	
Engine compartment Replace air-cleaner insert	0980

US Service 9	
Not applicable	

US Service 10 at every 3 years	
Passenger compartment Panoramic sliding roof - clean and lubricate guide mechanism **(R-Class)**	7732

US Service 11 Gasoline engines (Engine 156): at every 150,000 miles or 15 years	
Passenger compartment Replace fuel filter	0780

US Service 11 Diesel engines (Engine 642): at every 20,000 miles or 2 years	
Engine compartment Replace fuel filter	0780

Maintenance service descriptions

US Service 12 Gasoline engines (Engine 156): at every 60,000 miles or 5 years	
Engine compartment Replace spark plugs	1580

US Service 13 at every 150,000 miles or 15 years	
Engine compartment Replace coolant	2080

US Service 14-19	
Not applicable	

US Service 20 once at 40,000 miles	
Underside of vehicle Automatic transmission - oil and filter change	2702

Recommended additional maintenance checks for high-mileage vehicles at 150,000 miles	
Check if all fluid levels and changes are updated	
Transmission	----
Rear axle	----
Front axle	----
Transfer case	----
Check if air, fuel, ventilation filters are updated	
Engine air filter	----
Fuel filter	----
Combination filter	----

Recommended additional maintenance checks for high-mileage vehicles at 150,000 miles (continued)	
Check integrity of engine, mechanical components	
Perform compression test (hot and cold)	----
Perform leak down test (hot and cold)	----
Check spark plugs	----
Exhaust system hangers and leaks	----
Check for damaged/worn drivetrain parts	
Front wheel bearing play	----
Rear wheel bearing play	----
Axle joint play	----
Driveshaft flexible discs	----
Tie rod and drag link joints	----
Check for updates performed	
Recalls and Service Campaigns	----

The composition of exhaust emissions is influenced not only by the special emission control equipment, but also by various engine components and their adjustments.

Therefore, emission system maintenance must include these engine components. Some maintenance jobs are actually only tests. They are important however, because they allow early detection of discrepancies which can later lead to increased exhaust emissions. It is generally less expensive to have such items adjusted immediately rather than allowing them to contribute to costly repairs. The maintenance intervals have been determined so that the vehicle, under normal conditions, should operate properly between services.

0101 Engine oil and filter change
Change the engine oil and oil filter every 10,000 miles. If oil consumption should increase, determine the cause and take necessary corrective steps. Do not reset the Maintenance System service indicator if the oil is topped up or changed outside the interval of 10,000 miles.

0980 Replace air filter element
Under normal dust conditions, replace air filter element approximately every 40,000 miles or 4 years. Clean air filter cover and housing prior to removal of air filter element.

0780 Replace fuel filter
Replace the fuel filter approximately every 150,000 miles or 15 years (gasoline engines) or 20,000 miles or 2 years (diesel engine).

1351 Check engine poly-V-belt condition
The poly-V-belt is subject to wear and aging. It must be checked for cracks and wear at every service 2. Replace poly-V-belt if necessary.

1580 Replace spark plugs
Spark plugs are subject to electrode erosion and must be replaced every 60,000 miles or 5 years, or more frequently as may be required when subject to severe operating conditions.

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ML63 AMG, ML320CDI, GL320CDI, R320CDI

Distributor in the United States:
Mercedes-Benz USA, LLC
One Mercedes Drive, P.O. Box 350
Montvale, NJ 07645-0350

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