



Mercedes-Benz



Service Booklet Light Truck

PLEASE NOTE

SERVICE, REPLACEMENT, OR REPAIR OF THE EMISSION CONTROL DEVICES AND SYSTEMS MAY 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.

WE STRONGLY RECOMMEND, HOWEVER, TO HAVE YOUR VEHICLE SERVICED BY YOUR AUTHORIZED MERCEDES-BENZ LIGHT TRUCK CENTER WHO IS FULLY EQUIPPED TO PROVIDE THIS SERVICE.

Model

License Plate No.

Vehicle Identification No.

License Plate No.

Date of registration

License Plate No.

Paint No.

License Plate No.



Notes:

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Introduction

We want you to enjoy your Mercedes-Benz automobile. Vehicle safety and operational reliability are two very important factors and to maintain them, a certain amount of service work is necessary.

The Mercedes-Benz Flexible Service System includes all the necessary work to be carried out.

The vehicle comes equipped with the Flexible Service System (FSS) which is explained in detail in the Operator's Manual.

The next necessary service is indicated in the instrument cluster.

According to the vehicle past performance, your Mercedes-Benz Light Truck Center will recommend the service work necessary, meaning that your vehicle will be maintained according to your driving style.

We continuously strive to improve our product, and ask for your understanding that we reserve the right to make changes in the service work.

There are two groups, a ("minor" =) A-service, and a ("major" =) B-service. Under normal circumstances the driven distance between services is an average of approximately 12 000 miles, and the A and B-services alternate.

Exception: A B-service is followed by another B-service, if the FSS calculates an oil change interval of 14 000 miles or more.

Service work not mileage dependent is listed in section "Additional Work to be Performed."

A detail listing of service jobs is contained in this booklet following the service records.

Special Service Measures

Brake fluid should be replaced every two years, preferably in the spring, see page 26. It is recommended to use only brake fluid approved by Mercedes-Benz.

A reminder for the next scheduled brake fluid replacement is affixed in the engine compartment.

Coolant should be checked for sufficient protection before the start of and during the hot and cold seasons. Have the coolant (water/anticorrosion/antifreeze mixture) replaced every three years.

Dust filter should be replaced at the scheduled service. Under severe dust conditions, or with the Climate Control frequently operating in the air recirculation mode, the dust filter should be replaced correspondingly sooner.

The performance of all scheduled service work is required to maintain your vehicle in good operating condition and is essential to keep your warranty valid. While we do not insist that such work be performed by a factory-authorized Mercedes-Benz Light Truck Center, we strongly recommend to have an authorized Mercedes-Benz Truck Center do such work because they are equipped with the tools, instruments, literature, and trained personnel necessary for correct and systematic performance of these jobs.



Spare Parts/Operating Materials

We recommend to use only Mercedes-Benz parts for service and repairs, since they meet our specifications. It is also important to use only fuels, lubricants and anticorrosion/anti-freeze coolant meeting factory specifications. See your Mercedes-Benz Light Truck Center for more information on this subject.

Routine Checks

In addition to the services, we recommend that you check the following items regularly and prior to any long trip:

Engine oil level – at regular intervals (such as every fuel stop).

Coolant level

Fluid level of brake system

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 – add washer fluid mixed with Mercedes-Benz windshield washer solvent/concentrate, test function and check wiper blades.

Tire pressure – at least every other week.

Service Records

Your authorized Mercedes-Benz Light Truck Center will certify in the service booklet that all services have been carried out.

The next service is indicated in the instrument cluster (see chapter “Flexible Service System” in your Operator’s Manual).

Following each A or B-service your Mercedes-Benz Center will reset the FSS counter.

Note:

The FSS counter is not reset at time of oil change only.

Service work does not include repair jobs.

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.

DAIMLERCHRYSLER AG



Emission System Maintenance

The U. S. Environmental Protection Agency and, in California, the Air Resources Board have certified that the emission control system of your vehicle meets exhaust emission standards for 2001. This vehicle also complies with the Canadian Motor Vehicle Emission Standards.

To be certain that the emission control system functions as designed, regular maintenance is necessary for all components of the vehicle which affect exhaust emission 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 models.

Refer to your Service and Warranty Information booklet and Operator's Manual for additional information.

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

Explanations of each maintenance job are given in numerical order on page 28.

Emission Control System Caution

Your Mercedes-Benz 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 models, use only premium unleaded gasoline with an anti-knock index of at least 91 (as displayed on the pump).** 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 Center.** Such irregular running conditions can influence the proper function of the emission control system.

"CHECK ENGINE" indicator lamp in the instrument cluster: If the lamp comes on when the engine is running, it indicates a malfunction of the engine management system or emission control system.

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

Pre-delivery Inspection Confirmation

Carried out in compliance with manufacturer's instructions



Rubber stamp

Date

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A** **B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A** **B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Flexible Service System

Odometer: _____

Repair order no. _____

Oil change

Type of service **A B**

Distance remaining _____ miles

or days remaining _____

Replaced Yes/No

Oil brand / viscosity

Brake fluid

Coolant

MB Center rubber stamp

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

Date: _____

Odometer: _____

Oil change

Type of service **A** **B**

Replaced Yes/No

Brake fluid

Coolant

Spark plugs

Air filter

Fuel filter

Activated charcoal filter

Flexible Service System

Repair order no. _____

Distance remaining _____ miles

or days remaining _____

Oil brand / viscosity

MB Center rubber stamp

Signature

If you wish to retain continuous proof that your vehicle has been properly maintained, please request a new service booklet from your authorized Mercedes-Benz Center.

Required Vehicle Service Work (including Emission System Maintenance)

A-Service

B-Service

Notes:

For description of emission system maintenance jobs, see page 28.

The four digit-numbers next to the maintenance jobs are reference numbers of the detailed maintenance job descriptions listed in the MB Maintenance Manual used by MB technicians.



A-Service

Interior

Function check

Check Tele Aid function	----
Warning and indicator lamps, horn	----
Headlamps and exterior lamps	----
Windshield/headlamp, wiper and washer systems	8252
Check seat belts for damage	9150
Reset FSS counter	----
Check and correct tire pressure (spare) Model ML55	----

Wheels

Correct tire pressure

Engine compartment

Engine oil and filter change 0101

Check and correct fluid level

If there is a loss of fluid, determine cause and perform repair with separate work order

Engine coolant/antifreeze protection	2010
Brake system	4210
Windshield/headlamp washing system	8210
Lubricate latch, safety catch and hood hinges	8821

Underside of vehicle

Check and correct tire pressure (spare) Models ML320, ML430	----
--	------

B-Service

Brake test, parking brake check 4290

Interior

Function check

Check Tele Aid function ----

Warning and indicator lamps, horn ----

Headlamps and exterior lamps ----

Windshield/headlamp,
wiper and washer systems 8252

Check seat belts for damage 9150

Reset FSS counter ----

Heating and ventilation: Replace dust filter 8381

Wheels, brakes

Inspect, rotate wheels 4050

Inspect tires and record tread depth 4051

Correct tire pressure ----

Check brake pad thickness 4251

Check condition of brake discs 4251

Check tire pressure of spare wheel ----

Underside of Car

If there is a loss of fluid, determine cause and perform repair with separate work order

Inspect condition of components,
lines and hoses for chafe marks,
leaks, missing parts and proper routing 0053

Check front axle ball joints 3353

Check rear axle ball joints 3555

Check tire pressure of spare wheel ----

Check steering play 4650



Engine compartment

If there is a loss of fluid, determine cause and perform repair with separate work order

Inspect condition of components 0053
lines and hoses for chafe marks,
leaks, missing parts and proper routing

Engine oil and filter change 0101

Check and correct fluid level

If there is a loss of fluid, determine cause and perform repair with separate work order

Engine coolant/antifreeze protection 2010

Brake system 4210

Power steering 4611

Battery ----

Windshield/headlamp washing system 8210

Poly-V-belt (engine): Check for condition* 1351

Lubricate points on throttle control, check
operation and condition 3022

Lubricate latch, safety catch and
hood hinges 8821

Body

Replace windshield wiper insert(s) 8280

Check headlamp aiming, adjust if necessary
Except vehicles with Xenon headlamps 8260

Check condition of wiper blade for rear window 8252

* Mercedes-Benz urges that this procedure be performed to maintain peak performance although it is not required to maintain your emission warranty and will not affect Mercedes-Benz's recall liability.

Additional Work to be Performed together with the Respective Service

At approximately every 60000 miles or 4 years.

Underside of Car

Fuel filter replacement 0780

Replacement not required at 60000 miles*

At approximately every 30000 miles or 2 years.

Engine compartment

Air filter: Replace element - - - -

* Mercedes-Benz urges that this procedure be performed to maintain peak performance although it is not required to maintain your emission warranty and will not affect Mercedes-Benz's recall liability.

Additional Work to be Performed together with the Respective Service – Required Separate Order



Every 2 years

Replace brake fluid	4280
Inspect suspension and body structure	0090
Inspect body for paint damage	9850

Every 3 years

Replace coolant	2080
Water/anticorrosion/antifreeze mixture	

Spark plug intervals

Replace spark plugs	1580
---------------------	------

Spark plugs are subject to erosion and must be replaced according to schedule on page 27

Spark plug intervals		Model	ML320	ML430 ML55 AMG
Replace spark plugs	1580	Engine	112	113
At approximately every 60 000 miles or 5 years.			●	●



Description of Emission System Maintenance Jobs

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 change and filter change

Change the engine oil and oil filter at least once every year. If oil consumption should increase, determine the cause and take necessary corrective steps.
Reset FSS counter.

0780 Replace fuel filter*

Replace the fuel filter approximately every 60 000 miles or 4 years.

0980 Replace air filter element

Under normal dust conditions, replace air filter element approximately every 60 000 miles or 4 years.
Clean air filter cover and housing

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.
Replace Poly-V-belt if necessary.

1580 Replace sparks plugs

Sparks plugs are subject to electrode erosion and must be replaced according to schedule on page 27.

* Mercedes-Benz urges that this procedure be performed to maintain peak performance although it is not required to maintain your emission warranty and will not affect Mercedes-Benz's recall liability.

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