



Mercedes-Benz



Service Booklet

PLEASE NOTE

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 CENTER WHO IS FULLY EQUIPPED TO PROVIDE THIS SERVICE.

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

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 and maintenance is necessary. The Mercedes-Benz Flexible Service System calls for all the necessary maintenance required for your engine.

We continuously strive to improve our product, and ask for your understanding that we reserve the right to make changes in the required periodic maintenance work which is required for our vehicles.

The vehicle comes equipped with the Flexible Service System (FSS) which evaluates engine temperature, oil level, vehicle speed, engine speed, distance driven and the time elapsed since your last service. It determines when your vehicle needs service and alerts you well in advance. The next necessary FSS service is indicated in the instrument cluster.

There are two types of scheduled services for your vehicle, 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. Under most circumstances, A and B-services will be called for by FSS alternatively, i.e. A will follow B which will be followed by an A-service.

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

Following each A or B-service your Mercedes-Benz Center will reset the FSS counter. The next service is indicated in the instrument cluster (see chapter “Flexible Service System” in your Operator’s Manual).

Required service work which is not calculated by the FSS is listed in the section “Additional Work to be Performed” (see page 26).

Wear items such as, but not limited to, engine belts, brake discs, brake pads, brake pad wear sensors, clutch discs and clutch pressure plates are not covered by the maintenance commitment.

A detailed listing of maintenance procedures performed are contained in this booklet, starting on page 22.

Special Service Measures

Brake fluid should be replaced every two years, preferably in the spring see page 25. We recommend that you only use 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 the proper concentration before the start of the winter season (or once a year in hot regions). Have the coolant (water/anticorrosion/antifreeze mixture) replaced every three years, see page 25.

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

Tire rotations should be performed in accordance with the tire manufacturer's recommendations. In addition, tire rotation will be performed under the B-Service on an if necessary basis. MBUSA recommends that you follow your tire manufacturer's schedule for tire rotation, which are specific to the tires installed as original equipment. Tire rotation performed at other than a B-Service is not covered by the maintenance commitment.

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. We strongly recommend that you have scheduled maintenance service as well as all other repairs to your vehicle performed at an authorized Mercedes-Benz Center because they are equipped with the tools, instruments, literature, and trained personnel necessary for the correct and proper performance of these jobs.

Spare 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 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.

Routine Checks

In addition to the services, we recommend that you check the following items regularly (for example, weekly or each time you fill up) and prior to any long trip:

- **Engine oil level – at regular intervals (such as every fuel stop).**
 - **Coolant level - Please refer to the Operator's Manual for the correct procedure to check the coolant level.**
 - **Fluid level of brake system - If brake fluid has to be added, see an authorized Mercedes-Benz 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.**
 - **Exterior lamps - check for proper function**
- Tire pressure – at least every other week.**

Recommended Synthetic Motor Oil

Mercedes-Benz recommends only the use of MB approved synthetic motor oil for all vehicles equipped with the Flexible Service System (FSS) as of Model Year 1998.

MB Approved Synthetic Engine oil	MB Sheet
Mobil 1 Tri-Synthetic Formula 15W-50	229.1
Mobil 1 Tri-Synthetic Formula 0W-40	229.1
Valvoline SynPower Full Synthetic Motor Oil 5W-40	229.1
Castrol Syntec 5W-50	229.1
Castrol Syntec 10W-40	229.1
Quaker State Full Synthetic European Formula 5W-40	229.1
Pennzoil Synthetic European 5W-40	229.1
76 Pure Synthetic Motor Oil 5W-40	229.1
Castrol TXT Softec Plus 5W-30	229.3
Shell Helix Ultra 5W-30	229.3
Shell Helix Ultra 5W-40	229.3

Conventional petroleum based oils are not recommended for vehicles equipped with the Flexible Service System.

Please refer to the Factory Approved Service Products Booklet or see your Mercedes-Benz Center for more information on selecting the proper motor oil for your vehicle.

Service Records

Your authorized Mercedes-Benz Center will certify in the service booklet the services on your vehicle which it has carried out.

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 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 2002. 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 27.

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 catalyts. 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 catalyts, 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

Distance remaining _____ miles
or days remaining _____

Type of service A B

Oil brand / viscosity

Replaced Yes/No

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

Distance remaining _____ miles
or days remaining _____

Type of service A B

Replaced Yes/No

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: _____

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

Distance remaining _____ miles
or days remaining _____

Type of service A B

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

Distance remaining _____ miles
or days remaining _____

Type of service A B

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

Distance remaining _____ miles

Type of service A B

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

Distance remaining _____ miles

Type of service A B

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 _____

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 27.

**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 by pressing SOS button to make test call to Response Center
- Horn, head lamp flasher, hazard flasher, turn signals
- Warning/indicator, illumination and interior lighting
- Exterior lighting including head lamps
- 8252** Windshield wiper, windshield washer systems
- 8252** Head lamp cleaning system
- Reset FSS counter in instrument cluster

Wheels, brakes



- 4251** Check brake pads for lining thickness front and rear
- 4251** Check condition of brake discs front and rear
- Check tires for damage condition
- Correct tire inflation

Engine compartment



0101 Engine oil and filter change

Check and correct fluid level

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

2010 Engine coolant system, antifreeze and corrosion protection

4210 Brake system

8210 Windshield washer system

---- Battery (Model 203)

8821 Lubricating catch, safety catch and hinges on engine hood

Trunk



- Correct tire inflation pressure in spare tire (Except Model 170)

B-Service

4290 Brake test, parking brake check

Interior



Function check

- Check Tele Aid by pressing SOS button to make test call to Response Center
- Horn, head lamp flasher, hazard flasher, turn signals
- Warning/indicator, illumination and interior lighting
- Exterior lighting including head lamps
- 8252 Windshield wiper, windshield washer systems**
- 8252 Head lamp cleaning system**
- 9150 Check seat belts for damage and proper function**
 - Reset FSS counter in instrument cluster
- 8381 Replace dust filter
(Except Model 129)**
 - Battery, Check and correct fluid
(Model 210)

Wheels, brakes



- 4050 Remove and install wheels, rotate if necessary, Except vehicles with different tire sizes front/rear**
- 4251 Check brake pads for lining thickness front/rear**
- 4251 Check condition of brake discs front and rear**
- 4051 Check tires for damage and condition**
- 4051 Measure tread depth, record in mm**
 - Correct tire inflation pressure

Underside of Car



- 0053 Leakage - Major components
Chafe marks, line routing, components.
In the event of leakage, determine cause and perform repair via separate work order.**
- 3353 Check condition of front axle ball joints and rubber boots**
- 4653 Check condition of steering mechanical components and rubber boots**

Engine compartment



- 0101 Engine oil and filter change**
- 0053 Leakage - Major components**
Chafe marks, line routing, components.
In the event of leakage, determine cause and perform repair via separate work order.

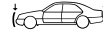
Check and correct fluid level

- 2010 Engine cooling system, antifreeze and corrosion protection**
- 3211 Level control, ADS**
(Models 129, 210 wagon)
- 4210 Brake system**
- 4611 Power steering**
- 3213 Active Body Control**
(Models 215, 220)
- 8210 Windshield washer system**
- Battery, Check and correct fluid**
(Models 170, 203)
- 1351 Poly-V-belt (engine): Check for condition***
- 3022 Lubricate throttle linkage, check function and condition.**
- 8381 Heating and ventilation: Replace dust filter**
(Model 129)

- 8821 Lubricating catch, safety catch and hinges on engine hood**
(Models 170, 208, 210)

- 1351 Check engine hood and safety catch for proper operation. Replace components with even the slightest malfunction.**
(Models 203, 215)

Body



- Check head lamp aiming, adjust if necessary**
- 8252 Check condition of head lamp wiper blades**
(Model 129)
- 8252 Inspect condition of wiper blade for rear window**
(Model 210 wagon)
- 8210 Inspect fluid level of rear window washer**
(Model 210 wagon)
- 8280 Replace windshield wiper rubber insert(s)**

Trunk



Check and correct fluid level

- Battery, Check and correct fluid**
(Models 129, 208, 215, 220)
- Correct tire inflation pressure**
(Except Model 170)

* Mercedes-Benz urges that this procedure be performed to maintain peak performance although it is not required to maintain your emission warranty.

Additional Work to be Performed together with the Respective Service

Once at more than 15000 miles

4261 Parking brake: Adjust

At approximately every 30000 miles or 4 years.

Underside of Car

**4256 Check control cables for parking brake
for easy movement**

At approximately every 50000 miles or 4 years

Underside of Car

4152 Check condition of drive shaft flex discs

Observe tightening torque!

4671 Retighten steering gear bolts

At approximately every 60000 miles or 4 years.

Underside of Car

0780 Fuel filter: Replace

Replacement not required at 60000 miles*

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.**

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

Every 2 years

4280 Replace brake fluid

0090 Inspect suspension and body structure

9850 Inspect body for paint damage

Spark plug intervals

1580 Replace spark plugs

**Spark plugs are subject to erosion and must be
replaced according to schedule on page 26**

Every 3 years

2080 Replace coolant

Water/anticorrosion/antifreeze mixture

At approximately every 60000 miles or 4 years

**4751 Check condition of fuel filler nozzle seal in
filler neck, replace if damaged**

Spark plug intervals	Model	SLK230 C230	C240 C320 C32AMG CLK320 E320 SLK320 SLK32AMG	CLK430 E430 S430 S500 CL500 SL500 CL55AMG CLK55AMG E55AMG S55AMG	SL600	S600 CL600
Replace spark plugs 1580	Engine	111 ML EVO	112	113	120	137
At approximately every 60000 miles or 5 years.					●	●
At approximately every 100000 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 26.

* Mercedes-Benz urges that this procedure be performed to maintain peak performance although it is not required to maintain your emission warranty.

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