



# Metris

Service Booklet



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Mercedes-Benz



## Thank you for choosing the new Metris

We hope that you enjoy your Metris. Vehicle and operational safety are two important factors. Regular maintenance services are required to ensure this.

We are continually working to improve and further develop our products; please appreciate that we must reserve the right to make modifications to the scope of maintenance on our vehicles.

The information in this manual corresponds to the recommendations at the time of going to print. Services planned and carried out by authorized Mercedes-Benz Dealers are based on the current service information for the age and mileage of your vehicle. You can obtain information on the required modifications to the scope of maintenance on your vehicle from an authorized Mercedes-Benz Dealer.

## PLEASE OBSERVE

WE STRONGLY RECOMMEND THAT YOUR VEHICLE BE SERVICED AND MAINTAINED BY AN AUTHORIZED MERCEDES-BENZ DEALER, AS THEY HAVE THE NECESSARY TOOLS TO CARRY OUT THE REQUIRED WORK USING GENUINE MERCEDES-BENZ PARTS.

THE USE OF DEFECTIVE PARTS OR THOSE OF A DIFFERENT QUALITY CAN LEAD TO THE LOSS OF YOUR EMISSIONS PERFORMANCE WARRANTY CLAIM.

## Symbols

The following symbols are used in this Service Booklet:

### WARNING

Warning notes make you aware of dangers which could pose a threat to your health or life, or to the health and life of others.

 Informs you of dangers which can cause damage to your vehicle.

 Helpful tips or other useful information.

▷ Page This symbol informs you where you can find further information on a topic.

▷ ▷ This continue symbol informs you that a warning notice or process is continued on the next page.

## Vehicle sales/vehicle warranty issuer/Replacement part sales

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[www.mercedes-benz.ca](http://www.mercedes-benz.ca)  
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## Publication details

### Internet

Further information about Mercedes-Benz vehicles can be found on the following websites:

[www.mercedes-benz.com](http://www.mercedes-benz.com)

[www.mbusa.com](http://www.mbusa.com) (USA only)

[www.mercedes-benz.ca](http://www.mercedes-benz.ca) (Canada only)

### Editorial office

You are welcome to forward any queries or suggestions you may have regarding these Operating Instructions to the technical documentation team at the address stated inside the front cover.

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## Vehicle data

|                            |                                     |
|----------------------------|-------------------------------------|
| ►                          | ►                                   |
| Type                       | Vehicle identification number (VIN) |
| ►                          | ►                                   |
| Date of first registration | Paint and code                      |
| ►                          | ►                                   |
| Licence plate              | Licence plate                       |
| ►                          | ►                                   |
| Licence plate              | Licence plate                       |
| ►                          | ►                                   |
| Licence plate              | Licence plate                       |
| ►                          | ►                                   |
| Licence plate              | Licence plate                       |

## Digital service report

## Digital Service Booklet (DSB)

The confirmation for the service and maintenance work carried out is processed in our central database. You obtain a printout of the service report, which you retain until the next service. In addition to the current service report, the complete service history of your vehicle is available at any time.

Your vehicle's service data is recorded twice, thoroughly documented and can no longer be lost. Every authorized Service Partner can give you information on your vehicle's service data. This way you can be helped as quickly as possible anywhere you are.

## Protection of the environment

Nature and its resources are the basis for our existence on earth. We aim to use natural resources sparingly and in a manner that takes the requirements of both nature and humanity into account.

We are committed to an integrated approach to environmental protection. We address the causes and take into account the effects that production processes and products have on the

environment when making management decisions.

You can help the environment by operating your vehicle in an environmentally responsible manner.

The operating conditions and your individual driving style have a great bearing on fuel consumption and engine, brake and tire wear. To help reduce fuel consumption and wear, the following should be observed:

- avoid driving short distances
- make sure that the tire pressures are always correct
- avoid frequent and sudden acceleration
- do not carry any unnecessary weight in the vehicle
- remove ski racks and roof racks once you no longer need them
- do not warm up the engine when the vehicle is stationary
- change gear in good time and use each gear only up to  $\frac{2}{3}$  of its maximum engine speed
- monitor the vehicle's fuel consumption

A regularly serviced vehicle will contribute to environmental protection. Observe the maintenance intervals, which are displayed by the service interval display, as well as other maintenance work that is described in this booklet.

We recommend that maintenance services are carried out by an authorized Mercedes-Benz Dealer using genuine Mercedes-Benz parts.

## Introduction

### Service interval display

#### General notes

Your vehicle is equipped with a service interval display, which will alert you when it's time for service.

**Under no circumstances should service exceed 25,000 km or 12 months.**

The multifunction display shows a message approximately one month before the maintenance service is due. It indicates when the next service is due in kilometers or days.

The symbols or letters on the service interval display show the type of service that is due.



or **A** Oil service plus



or **B** Maintenance service

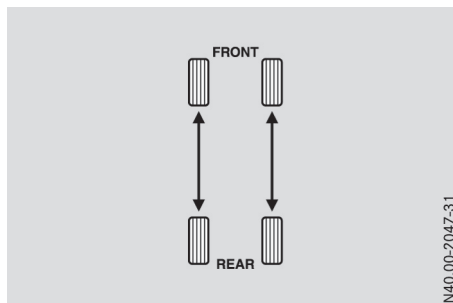
The sequence of Metris services is A-B. The first oil service plus (Service A) is followed by the maintenance service (Service B).

#### Tire rotation

The tires are essential to the total performance and stability of the vehicle. The service life of tires depends on tire type, speed rating, environmental conditions, tire load, tire pressure, road surface characteristics and individual driving style. For this reason, we recommend checking the tires regularly for wear and the correct tire pressure as well as the proper tire configuration, i.e. regularly interchanging the wheels.

The tires may only be interchanged on vehicles with tires of identical sizes on the front and rear axles.

If your vehicle is fitted with tires of the same size, the wheels of the front and rear axle can be interchanged in pairs so that the specified direction of rotation is maintained (unidirectional tires have an arrow on the tire sidewall indicating the direction of rotation).



Wheel rotation diagram

For your convenience this Maintenance Booklet contains tire rotation confirmation page on which you can record the date and kilometres when tire rotations were performed (> page 9).

#### Severe operating conditions

The maintenance intervals have been determined so that under normal operating conditions the vehicle should operate properly between maintenance services. Severe operating conditions may require that the following parts be replaced at shorter intervals:

##### • INTERIOR FILTERS

(Examples: dust filter or activated charcoal filter) are to be replaced as indicated by the maintenance computer. Under severe dust conditions, or if the climate control is operated frequently in air recirculation mode, the filters should be replaced more frequently than indicated by the maintenance computer.

##### • COOLANT

The coolant (water/anticorrosion/antifreeze mixture) should be replaced at the specified maintenance intervals.

The coolant may need to be replaced more frequently if it is not maintained correctly and/or anticorrosion/antifreeze products other than those approved for your vehicle are being used. You can find coolant instructions under the "Coolant" section of the vehicle Operator's Manual. Contact an authorized Mercedes-Benz Dealer for a list of anticorrosion/antifreeze products that are approved for your vehicle.

## Wear parts

The maintenance computer draws attention to certain wear parts for inspection but cannot evaluate the condition of these parts. Only qualified after-sales technicians can determine whether a wear part needs to be replaced.

## Regular checks

In addition to maintenance services, regularly check (e.g. weekly, when refuelling or before any long journey):

- **Oil level** – check the oil level of the engine, depending on the vehicle's equipment, using the oil dipstick or the monitoring system via the multifunction steering wheel/display. For further information on measuring the engine oil level, see the Operating Instructions.
- **Coolant level** – the correct method of checking the coolant level is described in the Operating Instructions.
- **Brake fluid level** – if the brake fluid needs to be topped up, please consult an authorized Mercedes-Benz Dealer and have the cause determined, e.g. leakage or worn brake pads/linings.
- **Windscreen washer system** – if the washer fluid level is below 1/3, the washer fluid level warning lamp lights up. Top up with an approved diluted windscreen washer concentrate; check operation and wiper blades.
- **Lighting system**
- **Tire condition and tire pressure** – check at least once a month. Information on guidelines and the correct method of checking tire condition and tire pressure can be found in the "Tires and wheels" section in the Operating Instructions.

## Notes on the warranty

An extensive and well-equipped network of authorized Mercedes-Benz Dealers is available to carry out maintenance work. Your authorized Mercedes-Benz Dealer can ensure that your vehicle is thoroughly serviced and repaired by professionals.

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

**Please follow the maintenance instructions in this Maintenance Booklet, even if you allow a third party to use the vehicle and entrust them with care of the vehicle. Only in this way will you be able to ensure that your warranty rights are not affected.**

**We strongly recommend that any maintenance work on your vehicle is carried out by your authorized Mercedes-Benz Dealer which is fully equipped to perform this service.**

Please note that special instructions and special measuring devices are required for servicing the engines in order to comply with legal requirements concerning exhaust emissions. Modifying or tampering with emissions components is not permissible. Your authorized Mercedes-Benz Dealer is familiar with the relevant regulations.

## Service records

The confirmation for the service and maintenance work carried out is documented in the Digital Service Booklet (DSB) (▷ page 2).

If repairs have been performed on your vehicle, these are not recorded or documented in the Maintenance Booklet. For this reason, keep these receipts safe, together with your vehicle documentation.

Warranty-related information can be found in your Service and Warranty Information Booklet. Your authorized Mercedes-Benz Dealer will be happy to provide you with further information on the maintenance of your vehicle.

## Parts/service products

We recommend using only genuine Mercedes-Benz parts for service and repairs, as these meet our specifications. Additionally, only fuels, lubricants and corrosion inhibitor/antifreeze which meet factory specifications should be used. You can obtain further information on this topic from your authorized Mercedes-Benz Dealer.



## Emission System Maintenance

### Emission Control System Caution – Gasoline Engines

Your 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 unleaded gasoline with an Octane Rating of at least 87 (as displayed on the pump). Damage to the engine could occur if incorrect fuel is 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 Dealer. 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.

## Description of maintenance work for the exhaust system

The composition of exhaust emissions is influenced not only by the exhaust gas aftertreatment system, but also by various engine parts and their settings.

Maintenance of the exhaust system must therefore include these engine parts. 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 costly to adjust deviations of this sort immediately than to wait until they incur high repair costs. The maintenance intervals have been determined so that the vehicle, under normal operating conditions, should operate properly between maintenance services.

### Changing the engine oil and filter

Replace the engine oil and oil filter according to the specified maintenance intervals. If oil consumption should increase, determine the cause and take necessary corrective steps. Do not reset the service interval display if the oil level is topped up or changed outside the specified maintenance intervals.

### Replacing the engine air-filter element

The engine air-filter element must be replaced according to the specified maintenance intervals when dust conditions are normal. Under severe dust conditions the engine air-filter element should be replaced more frequently. Clean engine air-filter cover and housing prior to removal of engine air-filter element.

### Replacing the fuel filter

Replace the fuel filter according to the specified maintenance intervals.

### Check engine poly-V-belt condition

The poly-V-belt is subject to wear and aging. It must be checked for cracks and wear according



to the specified maintenance intervals. Replace poly-V-belt if necessary.

### Replace spark plugs

Spark plugs are subject to electrode erosion and must be replaced according to the specified maintenance intervals, or more frequently as may be required when subject to severe operating conditions.

### Maintenance service

#### Vehicle maintenance work (including exhaust system maintenance)

- i** Maintenance services should be carried out by the odometer reading indicated or by the yearly interval indicated (depending on which occurs first).

You can find more detailed descriptions of the maintenance service here (▷ page 7).

You can find a description of the maintenance jobs for the exhaust system here (▷ page 6).

### Description of maintenance work

#### Service

|   | Service A | Service B |
|---|-----------|-----------|
| <b>Check by service advisor</b>   |           |           |
| Check vehicle for corrosion, accident and paint damage  | •         | •         |
| Check windshield for stone impacts and damage   | •         | •         |
| <b>Brakes check</b>   |           |           |
| Brake test  | •         | •         |
| <b>Oil service</b>  |           |           |
| Engine: oil and oil filter change   | •         | •         |
| <b>Check function and condition</b>   |           |           |
| Exterior lighting (vehicles without bulb failure indicator)   |           | •         |
| Signals, indicator lamps  |           | •         |
| Windshield wipers, rear window wiper, windshield washer system  |           | •         |
| Seat belts, seat belt buckles, seat belt buckle extensions (front seats only)   | •         | •         |
| <b>Check for leakage and condition</b>  |           |           |
| <b>Observe line routing and chafing. In case of fluid loss, determine the cause and remedy it (separate invoice).</b> |           |           |
| All assemblies: engine, transmission, front axle, transfer case, rear axle, steering, brakes                          |           | •         |
| All lines, hoses and sensor cables  |           | •         |
| All reservoirs, units, sealing bellows, shock absorbers, covers, bellows, protective caps                             |           | •         |

|   | Service A | Service B |
|---|-----------|-----------|
| Steering mechanism: tie rod, steering rod, sealing bellows, protective caps                           |           | •         |
| <b>Check fluid level and correct</b>  |           |           |
| <b>In case of fluid loss, determine the cause and remedy it (separate invoice).</b>                   |           |           |
| Engine cooling system: check coolant level in coolant expansion tank (filling up invoiced separately) |           | •         |
| Hydraulic brake system  |           | •         |
| Windshield washer system  |           | •         |
| <b>Engine</b>   |           |           |
| Check poly-V-belt in the visible area for signs of wear and damage                                    |           | •         |
| Air-filter element <sup>1</sup> : check dirt level (replace if necessary on a separate invoice)       |           | •         |
| <b>Wheels, brakes</b>   |           |           |
| Tire pressure: check, correct   |           | •         |
| Check condition of the brake pads (replace if necessary on a separate invoice)                        | •         | •         |
| Check condition of the brake disks (replace if necessary on a separate invoice)                       | •         | •         |
| <b>Service indicator</b>  |           |           |
| Reset service indicator   | •         | •         |

### Additional work

#### Service A (ZA)

Rear seats: check seat belts, seat belt buckles and seat belt buckle extensions for signs of external damage and proper function

#### Service B (ZB)

Spare wheel: check and correct tire pressure

Lubricate hinges of the rear door

Replace the dust filter of the heating/ventilation or the activated charcoal dust filter of the air-conditioning system (after 2 years at the latest, observe installation date)

Replace the dust filter of the rear-compartment air-conditioning system

Rear seats: check seat belts, seat belt buckles and seat belt buckle extensions for signs of external damage and proper function

<sup>1</sup> Replace after 80,000 km/4 years at the latest, observe installation date.



[illegible]



