



GL, ML

2015 Service Booklet



Mercedes-Benz

We want you to enjoy your Mercedes-Benz vehicle. 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 Dealer, the most current maintenance work information will be utilized for your vehicle's age or kilometres. Please check with your authorized Mercedes-Benz Dealer for any changes to the periodic maintenance work required for your vehicle.

PLEASE NOTE

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

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

Service and Literature

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Models: W166, X166
FIXED INTERVALS

Reprinting, translation and copying, even of excerpts, are not permitted without our prior authorization in writing. Subject to modification. Press time April 23, 2014. GSP/TID. Printed in USA.

Symbols

The following symbols are found in this Service Booklet:

Warning!



Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

! *Highlights hazards that may result in damage to your vehicle.*

i *Helpful hints or further information you may find useful.*

▷ page This symbol tells you where to look for further information on a topic.

Internet

For further information you can find us on the Mercedes-Benz web-site www.mercedes-benz.ca

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Model

Vehicle Identification Number (VIN)

Date of initial registration

Paint color and code

License Plate No.

License Plate No.

License Plate No.

License Plate No.

License Plate No.

License Plate No.

License Plate No.

License Plate No.

Protecting the environment

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 vehicle 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 service intervals displayed by the Mercedes-Benz Maintenance System service indicator, along with other maintenance work described in this booklet.

We recommend that you have services performed by your authorized Mercedes-Benz Dealer using Genuine Mercedes-Benz parts.

Introduction

Mercedes-Benz Maintenance System

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.

Approximately 1 month before a maintenance service is due, a message appears in the multifunction display. The message provides the remaining kilometres or days until the next maintenance service is due.

M-Class / GL-Class Only

Maintenance services will be indicated by showing types A or B in the multifunction display. The service type displayed indicates whether a Minor (A) or Major (B) service is required (▷ pages 16, 17) and is based on distance driven and time elapsed since the last service.

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

A descriptive listing of the service items are contained in this booklet starting on ▷ page 15. Following each maintenance service, your authorized Mercedes-Benz Dealer will reset the Mercedes-Benz Maintenance System service indicator by confirming the service items performed.

The authorized Mercedes-Benz Dealer performing the required maintenance services will confirm using the Confirmation pages in this booklet (▷ page 25) the work has been carried out.

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 Dealer, the most current maintenance work information will be utilized for your vehicle's age or kilometres. Please check with your authorized Mercedes-Benz Dealer for any changes to the periodic maintenance work required for your vehicle.



If the Mercedes-Benz Maintenance System maintenance service counter was inadvertently reset, have an authorized Mercedes-Benz Dealer 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.

Please note any maintenance work not performed or not performed at the specified interval which results in the failure of the warranted component(s) or system(s) in question may not be covered by the Mercedes-Benz New Vehicle Limited Warranty.

**Warning!**

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

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 front and rear tire dimensions. 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.

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.

Tire rotations should be performed in accordance with the tire manufacturer's recommendations. Please refer to the tire pamphlet in your vehicle literature portfolio.

For your convenience, this Service Booklet contains a tire rotation confirmation page on which you can record the date and kilometres when tire rotations were performed (▷ page 23).

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 (i.e., frequent use in start/stop traffic, regular use on unpaved roads, extreme short distance driving, extended idling period, etc.) 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 Mercedes-Benz 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 Mercedes-Benz Maintenance System.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

- **SPARK PLUGS**

Spark plugs should be replaced according to the specified maintenance interval. Severe operating conditions (frequent starting and stopping, excessive idling, sustained fast highway driving) may call for spark plugs to be replaced correspondingly sooner.

- **COOLANT**

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 at the specified maintenance interval for your vehicle model.

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, contact your authorized Mercedes-Benz Dealer.

- **BRAKE FLUID**

Brake fluid should be replaced every two years, preferably in the spring. 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.

- **ENGINE AIR FILTER**

Engine air filter should be replaced to the specified maintenance interval. Severe operating conditions (driving on unpaved or dusty roads) may call for air filter to be replaced correspondingly sooner.

Wear items

While the Mercedes-Benz 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.

**Warning!**

Please make sure you read the technical documentation, such as the Operator’s Manual and workshop information, before carrying out any maintenance work.

Approved engine oils and oil filters

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 Mercedes-Benz Maintenance System. Conventional petroleum-based oils must not be used for vehicles equipped with the Mercedes-Benz Maintenance System.

The following cases are not covered by the Mercedes-Benz New Car Limited Warranty:

- Using engine oils and oil filters of specification other than those expressly required for the Mercedes-Benz Maintenance System.
- Changing of oil and oil filter at change intervals longer than those called for by the Mercedes-Benz Maintenance System.
- Using any oil additives.

For a listing of approved engine oils and oil filters contact your local authorized Mercedes-Benz Dealer.

Use the table below to determine the MB sheet number. Refer to the Operator's Manual for the engine type of your model. The model and engine type can be found in the chapter "Technical data" under "Engine".

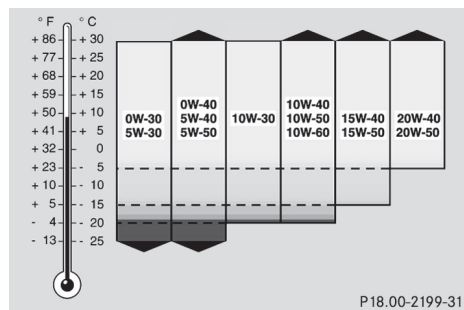
Engine type	MB sheet number
157	229.5 ¹
276	229.5
278	229.5
642	229.51

¹ **Restriction:** Only SAE 0W-40 engine oils may be used.

i MB sheet numbers are printed on the outside of oil containers.

Viscosity grades for engine oils

Using the chart below, select oil viscosity according to the lowest air temperature expected before the next oil change.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

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 Dealer to determine the cause, e.g. leaks or worn brake pads.
- **Windshield washing system** - If the washer fluid level drops below the minimum level, the washer fluid level warning appears. Add washer fluid mixed with Mercedes-Benz windshield washer solvent/concentrate, test function and check wiper blades.
- **Lighting system**
- **Tire condition and pressures** - Check at least monthly. Please refer to section "Tires and wheels" in the Operator's Manual for guidelines and correct procedures to check tire condition and pressures.

Please use only factory approved service products. See your Mercedes-Benz dealer for more information on selecting the proper fluids, lubricants, and oils for your vehicle.

Notes on the warranty

An extensive and well-equipped network of authorized Mercedes-Benz Dealers is at your disposal for service work. Your authorized Mercedes-Benz Dealer 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.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

Please follow the instructions given in this Service 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.

We strongly recommend that you have your vehicle serviced by your authorized Mercedes-Benz Dealer 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 Dealer is familiar with the relevant regulations.

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. See your authorized Mercedes-Benz Dealer for more information on this subject.

Service records

Your authorized Mercedes-Benz Dealer will certify in the Service Booklet the maintenance services on your vehicle which it has performed.

Other than the maintenance services described, the Service 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 Dealer will gladly furnish additional information on the maintenance of your vehicle.

Mercedes-Benz Canada Inc.
A Daimler Company



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

Emission System Maintenance

Gasoline Engines

Service Booklet

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 MY 2015 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 evaporative 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.

Refer to your Warranty book and Operator's Manual for additional information.

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 on (▷ page 14).



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

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) **In select models, the use of Ethanol (E85) is also permissible.** Models capable of also operating with E85 are identified by a label on the fuel filler flap reading 'Premium gasoline or E85 only!'. Do not use Ethanol fuel (E85) to operate any vehicle unless it is specifically identified as Ethanol fuel (E85) compatible. Damage to the engine could occur if improper fuels are used. Refer to the Operator's Manual for special precaution.
- d) **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.

- e) **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.
- f) **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.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

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 Ultra Low Sulfur Diesel (ULSD) fuel (15 ppm Sulfur maximum) that meets the ASTM D975 standard.** Failure to use ULSD fuel can severely damage the vehicle's exhaust after-treatment device.
- b) **Mercedes-Benz Canada Inc., 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" including BlueTEC AdBlue® variants.**

Diesel fuels containing a higher percentage of biodiesel content will cause damage to your engine and are not approved. Only use approved biodiesel. Biodiesel can be refined from a variety of raw materials resulting in widely varying properties. Approved biodiesel meets the ASTM D6751 specifications and has the necessary oxidation stability (min. 6h, proved with EN 14112 method) to prevent damage to the system from deposits and/or corrosion. The use of non-approved biodiesel may damage the fuel system.

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.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

BlueTEC exhaust gas aftertreatment with AdBlue®

Models:

- ML 350 BlueTEC
- GL 350 BlueTEC

The BlueTEC exhaust gas aftertreatment system requires a reducing agent (AdBlue®) in order to function properly. Maintaining the level and condition of the AdBlue® agent is part of the regular maintenance service work. Under normal driving conditions one tankful of AdBlue® agent should suffice until the next maintenance service.

AdBlue® is a non-flammable, non-toxic, colorless and odorless, water-soluble liquid.



Only use AdBlue® complying with ISO 22241. Do not add special additives to AdBlue® and do not dilute AdBlue® with water. Otherwise, the BlueTEC exhaust gas aftertreatment system could be damaged.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

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.

Engine oil and filter change

Change the engine oil and oil filter according to the specifications outlined in this booklet for your vehicle. 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 respective km interval or 1 year.

Replace engine air filter

Under normal dust conditions, replace engine air filter according to the specifications outlined in this booklet for your vehicle. Clean engine air filter cover and housing prior to removal of engine air filter. Under severe dusty operating conditions the engine air filter element must be replaced more frequently.

Replace fuel filter

Replace the fuel filter according to the specifications outlined in this booklet for your vehicle.

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 B-Service. 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.

Fill up AdBlue®

Fill up AdBlue® at every Service.



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

Required Vehicle Maintenance Service Work (including Emission System Maintenance)

Notes:

Maintenance services must be performed at the number of KM or years (whichever comes first) as indicated, except where no time interval available or otherwise noted.

If your vehicle exceeds the KM shown in the maintenance service overview, continue to maintain the vehicle by having performed the maintenance services at the time or KM intervals (whichever comes first).

Detailed descriptions for each maintenance service can be found starting on (▷ page 16).

For description of emission system maintenance jobs, see (▷ page 14).



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service A at 15,000 KM or 1 year; then every 30,000 KM or 2 years (Engines 157 and 642)

Service A at 20,000 KM or 1 year; then every 40,000 KM or 2 years (Engines 276 and 278)

Engine compartment

Fill up AdBlue® (**Engine 642**)

• •

Replace dust filter

• •

Check the following fluid levels, correct if necessary. If there is a loss of fluid, determine cause and perform repair at an additional charge

Engine cooling system, antifreeze

• •

Brake system

• •

Fuel Filter (**Engine 642**) - Drain first at 30,000 km, then every 45,000 km

• •

Windshield washer system

• •

Clean visible area of water deflector

• •

Interior

Reset maintenance service indicator in instrument cluster

• •

Function check

Horn, warning/indicator lamps, illumination and interior/exterior lighting, high beam flasher, daytime running lights

• •

Windshield wipers, windshield washer systems, headlamp cleaning system

• •



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service Booklet

Service A at 15,000 KM or 1 year; then every 30,000 KM or 2 years (Engines 157 and 642)

Service A at 20,000 KM or 1 year; then every 40,000 KM or 2 years (Engines 276 and 278)

Wheels, brakes

Inspect tires for damage, crack formation and tread depth (record in mm)	•	•
Check thickness of brake pads, front & rear	•	•
Correct tire inflation pressure	•	•

Trunk

Check trunk/cargo area lighting	•	•
Check inflation pressure in spare tire (where applicable)	•	•

Vehicle front / rear

Check wiper blade condition	•	•
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Service B at 30,000 KM or 2 years; then every 30,000 KM or 2 years (Engines 157 and 642)

Service B at 40,000 KM or 2 years; then every 40,000 KM or 2 years (Engines 276 and 278)

Engine compartment

Leakage - Major components

Check all visible parts in engine compartment for damage and leaks	•	•
Check condition of poly-V-belt	•	•
Fill up AdBlue® (Engine 642)	•	•
Check and replace combination filter, if necessary	•	•
Replace dust filter	•	•



Warning!

Please make sure you read the technical documentation, such as the Operator’s Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service B at 30,000 KM or 2 years; then every 30,000 KM or 2 years (Engines 157 and 642)

Service B at 40,000 KM or 2 years; then every 40,000 KM or 2 years (Engines 276 and 278)

**Check the following fluid levels, correct if necessary
If there is a loss of fluid, determine cause and perform repair**

Engine cooling system, antifreeze

• •

Brake system

• •

Windshield washer system

• •

Fuel Filter (**Engine 642**) - Drain first at 30,000 km, then every 45,000 km

• •

Clean visible area of water deflector

• •

Interior

Reset maintenance service indicator in instrument cluster

• •

Activate Tire Pressure monitoring system (if applicable)

• •

Function check

Check parking brake (function test only)

• •

Horn, warning/indicator lamps, illumination and interior/exterior lighting, high beam flasher, daytime running lights

• •

Windshield wipers, windshield washer system, headlamp cleaning system

• •

Check seat belts and buckles for signs of external damage and proper function

• •

Wheels, brakes

Inspect tires for damage, crack formation and tread depth (record in mm)

• •

Check thickness of brake pads, front & rear

• •

Check condition of brake disks (visual inspection)

• •

Correct tire inflation pressure

• •

Tire rotation* (where applicable) (additional charge)

**Tire rotation can not be performed on vehicles equipped with staggered front and rear tire sizes*

• •

Visually check brake system components, lines, hoses, calipers

• •

Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service B at 30,000 KM or 2 years; then every 30,000 KM or 2 years (Engines 157 and 642)

Service B at 40,000 KM or 2 years; then every 40,000 KM or 2 years (Engines 276 and 278)

Underside of vehicle	GL (X166)	ML (W166)
Leakage - Major components		
Inspect all visible parts on vehicle underside for damage, leaks and corrosion	•	•
Inspect front and rear axle joint for play, inspect rubber boots	•	•
Check propeller shaft flex disks for signs of damage and deformation	•	•
Check track rod and drag link linkage for play, check rubber boots	•	•
Check tires for damage and crack formations	•	•
Check AdBlue® lines and components for leaks and damage (Engine 642)	•	•
Trunk		
Check trunk/cargo area lighting	•	•
Check inflation pressure in spare tire (if applicable)	•	•
Check TIREFIT expiry date (if applicable), replace if necessary (additional charge)	•	•
Vehicle front / rear		
Check and correct headlamp setting	•	•
Check operation of headlamp range adjustment	•	•
Check wiper blade condition	•	•



Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

GL (X166)	ML (W166)
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Service 3 - at every 15,000 KM or 1 year (Engines 157 and 642)

Service 3 - at every 20,000 KM or 1 year (Engines 276 and 278)

Engine compartment

Engine - oil and filter change

•	•

Service 4 - at every 2 years

Engine compartment

Replace brake fluid

•	•

Service 5-7 (Not applicable)

Service 8 - at every 60,000 KM or 4 years (Engines 157 and 642)

Service 8 - at every 80,000 KM or 4 years (Engines 276 and 278)

Engine compartment: Replace engine air filter

•	•
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Warning!

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service 9 (Not applicable)

Service 10 - at every 60,000 km or 3 years

Passenger compartment

Sliding panoramic roof: Clean slide rail and slide block and lubricate guide mechanism

•	•
---	---

Service 11 - at every 45,000 KM or 3 years (Engine 642)

Service 11 - at every 240,000 KM or 15 years (Engines 157, 276 and 278)

Passenger compartment

Replace fuel filter

•	•
---	---

Service 12 - at every 100,000 KM or 5 years

Engine compartment

Replace spark plugs

•	•
---	---

Service 13 - at every 240,000 KM or 15 years

Engine compartment

Replace coolant

•	•
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Service 14 - 19 (Not applicable)



Warning!

Please make sure you read the technical documentation, such as the Operator’s Manual and workshop information, before carrying out any maintenance work.

GL (X166)

ML (W166)

Service 20 - once at 120,000 KM or 6 years

Underside of vehicle

Automatic transmission - oil and filter change
(Engines 157, 276, 278, 642)

•

•

**Warning!**

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

Carried out in compliance with manufacturer's instructionsVehicle Identification Number (VIN) Date **Maintenance service completed:**

Rubber stamp/Signature

**Warning!**

Please make sure you read the technical documentation, such as the Operator's Manual and workshop information, before carrying out any maintenance work.

Maintenance service

For scope of work, refer to maintenance overview and description of maintenance service starting on page 12.

Vehicle Identification Number (VIN)	
Date	
Odometer	
Repair order no.(if applicable)	
Next maintenance due: KM	
Next maintenance due: Month/year	

Replaced:

- Engine oil
- Oil - automatic transmission
- Brake fluid
- Rear axle differential fluid
- Brake pads front axle
- Brake pads rear axle
- Fuel filter
- Combination filter
- Air cleaner insert
- Coolant
- Spark plugs

Oil Brand / viscosity:

Engine oil

Rear axle differential fluid

Automatic transmission

Rubber stamp/Signature



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Maintenance service

For scope of work, refer to maintenance overview and description of maintenance service starting on page 12.

Vehicle Identification Number (VIN)

Date

Odometer

Repair order no.(if applicable)

Next maintenance due: KM

Next maintenance due: Month/year

Replaced:

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Date	<input type="text"/>
Odometer	<input type="text"/>
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