

Maintenance
Booklet
600

Mercedes-Benz



To the owner:

This **maintenance booklet** is designed to acquaint you with the necessary technical care of your vehicle.

The **MERCEDES-BENZ Maintenance Service System**

was created to ensure proper servicing of your car for normal operating conditions.

We think this system to be the best arrangement for both vehicle and owner.

It consists of:

Section I = Service

Engine oil change with engine oil filter service, tests for leaks and condition, fluid level checks, lubrication jobs.

Section II = Electronic inspection

Electronic engine inspection and mechanical adjustment work on the engine.

Section III = Safety inspection

Inspection of steering unit, brakes, tires, functional tests and test drive.

The maintenance services are due at the following **intervals**:

1st MB maintenance service at 200-600 miles

2nd MB maintenance service at 5,000 miles

3rd MB maintenance service at 10,000 miles

Further regular maintenance services only every 10,000 miles but at least once a year.

Additional work every 30,000 miles

Replace **brake fluid** once a year, most suitable in spring. Drain antifreeze charge in spring also.

At every 10,000 miles maintenance service, all three maintenance sections are performed. You can order each of these sections separately at any time if particular driving conditions require it, or on a precautionary basis before leaving for a long trip.

Maintenance work does not include repair jobs. These should be requested on a separate order.

On the next page we have compiled the lubrication services and routine checks which become due regardless of the regular maintenance services.

We wish you good motoring.

DAIMLER-BENZ-Aktiengesellschaft
Zentralkundendienst

Lubrication Service and Routine Checks

1. Lubrication Services

1.1. Engine Oil Change together with Engine Oil Filter Service

Carry out every 5,000 miles, at least twice a year in spring and fall. Any engine oil change and engine oil filter service performed **must be affirmed in the service booklet.**

Approved Oil Viscosities

Year-round use oils SAE 10W/40, 10W/50

Other approved oils for ambient temperatures constantly exceeding 0° C / +32° F (Central Europe April to October)

SAE 30, 20W/40,
20W/50

exceeding +30° C / +86° F

SAE 40 may also
be used

From +10° C / +50° F to -25° C / -13° F (Central Europe October to April)

SAE 10W/30

Below -25° C / -13° F

SAE 5W/20

1.2. Approved Engine Oils

Engine oils are subjected to special tests to determine their suitability for our engines. Therefore, we recommend using only engine oils which have been approved by us. Every MERCEDES-BENZ service station will be pleased to give you further details on this matter.

1.3. Lubrication Jobs

Lubricate throttle control linkage.

2. Routine Checks

2.1. Regularly check oil level in engine and replenish oil, if necessary, during the running-in period at 300 miles at the latest.

At the same time check **cooling water level** and have water replenished.

2.2. Regularly check **fluid level in the automatic transmission**, at the latest after 5,000 miles and have replenished with a recommended type of automatic transmission fluid.

2.3. Check **fluid level of brake system.**

If brake fluid has to be added, see a MERCEDES-BENZ service station to determine the cause, e. g. worn brake linings.

2.4. Regularly check and correct the **electrolyte level of the battery.** In tropical regions, this check should be made daily.

2.5. Regularly check the tire pressure.

If the car is driven in a sporty manner, check weekly and have pressure corrected, if necessary.

2.6. Have the **windshield washer system** topped up regularly.

2.7. **Air suspension**, regularly drain condensation water and fill antifreeze device from fall to spring with 96% denatured alcohol or fuel alcohol.

Special or severe operating conditions

Special or severe operating conditions are, for example: predominant short distance operation, frequent mountain rides, poor road conditions, high dust content and sludge, as well as trailer operation.

Under such conditions

**the engine oil has to be changed
every 2,500–2,800 miles**

without engine oil filter service.

**Change ATF in automatic transmission
every 13,000 to 17,000 miles**

without filter service.

Pre-delivery Inspection

Before delivery of the vehicle, we recommend checking the following items:

Oil and fluid levels in engine, transmission, rear axle and steering unit

Cooling water / antifreeze

Idle speed (clean spark plugs if necessary)

Electrolyte level of battery

Brake fluid level

Brake system, fuel, oil and cooling water system for leaks

Antifreeze device of compressed air system (winter)

Windshield washer system

Proper function of service and parking brakes

Equipment for completeness (tools, documents, etc.)

Heating and air conditioning system for function

Electrical system / radio for function

Wheel lugs for firm seat

Tire pressure

Chromium-plated parts, as well as the interior of the vehicle (upholstery) for damage

Vehicle cleaned inside and outside

When delivering the vehicle, give the following instructions:

Detailed instructions about the operation of the vehicle

Use of keys

Engine hood lock, radiator cap

Oil level check

Wheel change

Adherence to recommended tire pressures acc. to table

Towing instructions (automatic transmission)

(Rubber stamp)

Date

Signature

Warranty

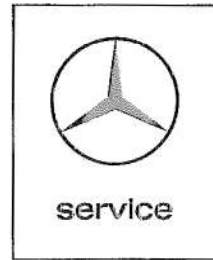
A vast network of MERCEDES-BENZ Service Stations is at your disposal to carry out service and maintenance jobs on your car. Every Service Station with its special equipment, tools, specially trained personnel, experience and regular technical information supplied by the factory guarantees that your car is efficiently and thoroughly checked and maintained according to the latest MERCEDES-BENZ standards.

The vehicle must receive the prescribed **maintenance and/or lubrication work** at specified intervals established in this maintenance booklet and **confirmed therein**. Pages 13-34 of this booklet are to be used to record verification of performance of such required maintenance and/or lubrication work.

Warranty consideration according to the sales agreement may **only be given if the required maintenance and/or lubrication work has been performed. If no validation** is made in this maintenance booklet, receipted bills or other evidence that the required maintenance and/or lubrication work have been performed, must be presented to an authorized MERCEDES-BENZ Service Stations.

As far as there are legal regulations on exhaust emission control it has to be observed that the engines must be maintained and timed acc. to special instructions and by means of special measuring instruments (CO-measuring instrument). Modifications or conversions of already existing exhaust emission control systems are not permissible.

All MERCEDES-BENZ Service Stations are familiar with the appropriate regulations.



Maintenance Vouchers

MB Maintenance (for range of work refer to page 40)

200-600 miles

with engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10W40, 10W50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (for range of work refer to page 42)

5,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

10,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

15,000 miles

Engine oil change and
engine oil filter service

*Use only original Mercedes-Benz filter
cartridges and gaskets.*

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

20,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

25,000 miles

- Engine oil change and engine oil filter service

Use only original Mercedes-Benz filter cartridges and gaskets.

- Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I: Service
- Section II: Electronic Engine Inspection including Engine Maintenance
- Section III: Safety Inspection

Oil brand/viscosity _____

*For year round use oils SAE 10W 40, 10W 50
and other approved oil viscosities see page 6*

Mileage _____

(Rubber stamp)

Rep. order No. _____

Date _____

Signature _____

MB Maintenance (3 sections, for range of work refer to page 44-46)

30,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

(Rubber stamp)

Date

Signature

Lubrication Service

35,000 miles

Engine oil change and engine oil filter service

Use only original Mercedes-Benz filter cartridges and gaskets.

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I: Service
- Section II: Electronic Engine Inspection including Engine Maintenance
- Section III: Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

40,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

45,000 miles

Engine oil change and
engine oil filter service

*Use only original Mercedes-Benz filter
cartridges and gaskets.*

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

50,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

55,000 miles

Engine oil change and engine oil filter service

Use only original Mercedes-Benz filter cartridges and gaskets.

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

60,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

65,000 miles

Engine oil change and
engine oil filter service

*Use only original Mercedes-Benz filter
cartridges and gaskets.*

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

70,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

75,000 miles

Engine oil change and
engine oil filter service

*Use only original Mercedes-Benz filter
cartridges and gaskets.*

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

MB Maintenance (3 sections, for range of work refer to page 44-46)

80,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

85,000 miles

Engine oil change and
engine oil filter service

*Use only original Mercedes-Benz filter
cartridges and gaskets.*

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity _____

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage _____

(Rubber stamp)

Rep. order No. _____

Date _____

Signature _____

MB Maintenance (3 sections, for range of work refer to page 44-46)

90,000 miles

with/without engine oil change and engine oil filter service

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

Date

Signature

(Rubber stamp)

Lubrication Service

95,000 miles

Engine oil change and engine oil filter service

Use only original Mercedes-Benz filter cartridges and gaskets.

Lubricate throttle control linkage

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

Rep. order No.

(Rubber stamp)

Date

Signature

MB Non-scheduled Maintenance Service as required

- Section I : Service
- Section II : Electronic Engine Inspection including Engine Maintenance
- Section III : Safety Inspection

Oil brand/viscosity

*For year round use oils SAE 10 W 40, 10 W 50
and other approved oil viscosities see page 6*

Mileage

(Rubber stamp)

Rep. order No.

Date

Signature

Changing brake fluid

(once a year, most suitably in spring)

Mileage

Brand

(Rubber stamp)

Date

Signature

Mileage

Brand

(Rubber stamp)

Date

Signature

Mileage

Brand

(Rubber stamp)

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Mileage _____

Brand _____

(Rubber stamp)

Date _____

Signature _____

After a distance of 90,000 miles has been covered, please ask for an additional maintenance booklet at your MERCEDES-BENZ Service Station.



**Maintenance service
at 200-600 miles**

Lubrication

Oil change

- 151 Engine with engine oil filter service
- 180 Rear axle

Filter service

- 156 Supplementary oil filter for hydraulic fan clutch: clean filter element

Inspection for leaks and condition

- 023 Comfort hydraulic system
- 038 Cooling and heating system
- 041 Fuel system

Check and correct fluid level

Check for leakage!

- 120 Automatic transmission
- 134 Power steering
- 463 Air suspension antifreeze device
- 465 Windshield washing system
- 700 Brake
- 990 Radiator

Maintenance

Engine

- 756 All V-belts: retighten
- 752 Cylinder head: retorque bolts
On warm engine
- 753 Valve clearance: adjust
- 781 Dwell angle: check
- 772 Ignition: set timing
- 798 Idle speed: check, readjust
Use CO tester

Chassis

- 525 Automatic transmission, selector and control pressure linkage: check adjustment
- 987 Correct tire inflation pressure

Retighten bolts and nuts

Number in () is the number of bolts and nuts

- 871 Intake and exhaust manifold (16)
exhaust pipe flange (4)
- 895 Alternator: mounting (1)
- 902 Compressor of air suspension system (4)
- 905 Refrigerant compressor: bracket on engine (5)
- 907 Hose clamps and clips: cooling and heater water hoses
- 951 Exhaust system: plug connection (2)
- 530 Automatic transmission: oil pan (16)
- 924 Steering: mounting (3)
- 988 Wheel mounting bolts (20)



**Maintenance service
at 5,000 miles**

Lubrication

Oil change

- 151 Engine with engine oil filter service
- 180 Rear axle

Filter service

- 156 Supplementary oil filter for hydraulic fan clutch: clean filter element

Inspection for leaks and condition

- 023 Comfort hydraulic system
- 038 Cooling and heating system
- 041 Fuel system

Check and correct fluid level

If fluid loss cannot be accounted for by consumption, determine cause and eliminate at extra charge

- 120 Automatic transmission
- 134 Power steering
- 463 Air suspension antifreeze device
- 465 Windshield washing system
- 484 Air conditioner

- 494 Comfort hydraulic system
- 700 Brake
- 800 Injection pump
- 821 Battery
- 990 Radiator

Lubrication jobs

- 415 Engine throttle linkage and control shaft

Body

- 492 Door weatherseals: remove rubber abrasion from contacting areas and rub weatherseals with Orel

Chassis

- 466 Air suspension system, compressed air tank: drain condensation water

Maintenance

Engine

- 781 Dwell angle: check
- 772 Ignition: set timing
- 798 Idle speed: check, readjust
Use CO tester

Chassis

- 630 Front axle: adjust wheel bearings according to specifications



**Maintenance service
every 10,000 miles**
with additional work
every 30,000 miles

Section I

Service including engine oil change and engine oil filter service

Oil change

151 Engine with engine oil filter service

Filter service

156 Supplementary oil filter for hydraulic fan clutch: clean filter element

Inspection for leaks and condition

023 Comfort hydraulic system

038 Cooling and heating system

041 Fuel system

087 Air suspension system

Check and correct fluid level

If fluid loss cannot be accounted for by consumption, determine cause and eliminate at extra charge

120 Automatic transmission

130 Rear axle

134 Power steering

463 Air suspension antifreeze device

465 Windshield washing system

484 Air conditioner

494 Comfort hydraulic system

700 Brake

800 Injection pump

821 Battery

990 Radiator

Lubrication jobs

350 Door hinges

393 Door locks

395 Engine hood

415 Engine throttle linkage and control shaft

Body

492 Door weatherseals: remove rubber abrasion from contacting areas and rub weatherseals with Orel

Chassis

466 Air suspension system, compressed air tank: drain condensation water

Section II

Electronic engine test incl. engine maintenance

Mechanical work

- 53 Valve clearance: adjust
02 Air filter element:
under normal operating conditions: clean
under very dusty operating conditions:
replace
Normally to be replaced every 30,000 miles

- 757 Check condition and tension of V-belts
813 Throttle control linkage:
check for free movement and adjustment
770 Spark plugs: replace
751 Compression: check
773 Breaker points: replace

Electronic engine test

- 782 Dwell angle: adjust
772 Ignition: set timing
832 Evaluate oscillograph curve
798 Idle speed: check, readjust
Use CO tester

Section III

Safety inspection

- 025 Steering components:
check steering, steering coupling and
steering linkage for play by turning the
steering wheel
983 Wheels: dismount/mount
Rims: check condition,
inspect inside for dirt accumulation
982 Tires:
Inspect tread depth and wear pattern,
check for damage

- 987 Correct tire inflation pressure
707 Brake pads: remove, clean, check,
replace if required
703 Brake calipers: check for leaks and
free movement of pistons,
check condition of dust boots
709 Brake discs: check condition
009 Parking brake: check free operation of
brake cables
713 Air pressure type brake booster:
clean vent bores on front

- 701 Brake system: bleed
029 Steering: check rubber boots for leaks and
condition as well as condition of linkage
028 Maintenance-free joints of front axle:
check rubber boots for leaks and
condition

Retighten bolts and nuts

Number in () is the number of bolts and nuts

- 924 Steering: mounting (3)

- 099 **Functional test**
Vehicle lamps and control lights
Signal
Windshield wiper, windshield washer
system
Heating and ventilation

- 098 **Test drive**
(road test/test stand)
Service and parking brakes
Automatic transmission
Air conditioning system

- 988 Wheel mounting bolts: retighten

Additionally every 30,000 miles

Maintenance

- 170 Oil change, automatic transmission

Filter service

- 174 Automatic transmission: replace filter
element

- 612 Power steering:
replace filter element in fluid reservoir

- 849 Fuel filter:
replace filter element

- 470 Antifreeze device of air suspension
system: replace air filter

- 498 Heater,
Perlon filter of solenoid valve:
replace
Only if replaceable filter is installed.
With separate order

- 497 Ventilation,
Perlon filter of forward blower:
replace
Only if replaceable filter is installed.
With separate order

Lubrication jobs

- 380 Control rod for level control valves:
pack ball joints with long-term grease

- 388 Front wheel bearings,
wheel hub caps: repack with grease

Retighten bolts and nuts

Number in () is the number of bolts and nuts

- 871 Intake and exhaust manifold (16)
exhaust pipe flange (4)

Visual inspection

- 625 Front wheel toe-in: check
030 Propeller shaft: check joint plate for wear

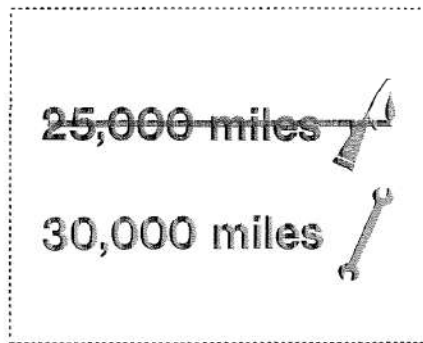
Air suspension

- 676 Check air suspension bellows for cracks
Hairline cracks on the outer rubber surface
are of no significance.
Replace bellows if deep cracks occur,
at the latest however after 56,000 miles
- 622 Vehicle level:
check front axle control arm position
and rear wheel camber
If adjustment made, aim headlights
at extra charge

Stickers

The following stickers are attached to the door frame of the driver's door by every MERCEDES-BENZ Service Station. They are meant to remind you when the next lubrication and maintenance service is due.

We recommend that you cross out the mileage number after each lubrication service.



MBMANUALS.COM

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Printed in Germany

Subjects to modifications

Reproduction of this booklet

is not permitted

s.e.e.o.

ZKD / 9. 71 / SVA

85 000 miles



90 000 miles



65 000 miles



70 000 miles



75 000 miles



80 000 miles



45 000 miles



50 000 miles



55 000 miles



60 000 miles



25 000 miles



30 000 miles



35 000 miles



40 000 miles



5 000 miles



10 000 miles

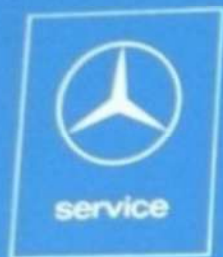


15 000 miles



20 000 miles





Daimler-Benz AG Stuttgart-Untertürkheim Zentralkundendienst
100 584 01 95 6550 1048 00 Deutsche Ausgabe B