

# Mercedes-Benz

## C-Class 1994 ▶ 2000

### Service Manual (W202)



This Bentley Manual contains in-depth maintenance, service and repair information for the Mercedes-Benz C-Class from 1994 to 2000. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself Mercedes-Benz owner, this manual helps you understand, care for and repair your car.

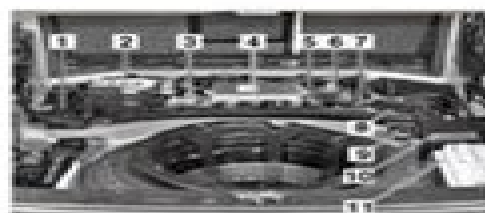
The do-it-yourself Mercedes-Benz owner will find this manual indispensable as a source of detailed maintenance and repair information. Even if you have no intention of working on your vehicle, you will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician.



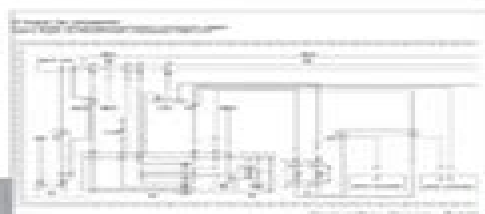
*Bentley technical editors removing intake manifold on V6 (M 112) engine.*



*Measuring brake rotor wear.*  
00.04 Maintenance



*Locations of hundreds of electrical components. Communication equipment under trunk floor.*  
ECL Electrical Component Locations



*Detailed electrical schematics.*  
ELE Electrical Wiring Diagrams

#### Features:

- Maintenance procedures from changing the ATF to replacing the cabin air filter. This manual tells you what to do and how and when to do it.
- Step-by-step cylinder head cover and cylinder head removal and installation.
- Cooling system and radiator service.
- Fuel injection and ignition system diagrams and explanations.
- Information about advanced technical features such as variable intake manifold, traction control and stability control.
- Suspension repair procedures.
- Brakes, steering and ABS troubleshooting and repair.
- Heating and air-conditioning repair, including A/C component replacement.
- Body, hood and sunroof repairs and adjustments.
- Electrical system service, with an easy-to-use illustrated component locator section.
- Comprehensive wiring schematics, including power distribution and grounds.
- Mercedes-Benz OBD II diagnostic trouble codes, SAE-defined OBD II P-codes, as well as basic scan tool operation.
- Mercedes-Benz factory tolerance, wear limits, adjustments and tightening torques.

#### Models and engines

- C 220, 4-cylinder 2.2 liter (M 111)
- C 230, 4-cylinder 2.3 liter (M 111)
- C 230 Kompressor, 4-cylinder 2.3 liter (M 111)
- C 280, 6-cylinder 2.8 liter (M 104)
- C 280, V6 2.8 liter (M 112)

#### Engine management systems

- Bosch HFM-SFI
- Bosch ME-SFI 2.0
- Bosch ME-SFI 2.1

#### Transmissions

- 4-speed automatic (1994-1996)
- 5-speed automatic (1997-2000)



# Mercedes Benz C Class Service Manual W202 1994 2000 C220 C230 C28

**Colin Pitt**



## **Mercedes Benz C Class Service Manual W202 1994 2000 C220 C230 C28:**

**Mercedes-Benz C-Class (W202) Service Manual 1994, 1995, 1996, 1997, 1998, 1999 2000** Bentley Publishers,2011-09 The Mercedes Benz C Class W202 Service Manual 1994 2000 contains in depth maintenance service and repair information for the Mercedes Benz C Class from 1994 to 2000 The aim throughout has been simplicity and clarity with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself Mercedes Benz owner this manual helps you understand care for and repair your car Models and engines covered C 220 4 cylinder 2 2 liter M 111 C 230 4 cylinder 2 3 liter M 111 C 230 Kompressor 4 cylinder 2 3 liter M 111 C 280 6 cylinder 2 8 liter M 104 C 280 V6 2 8 liter M 112 Transmissions covered 4 speed automatic 1994 1996 5 speed automatic 1997 2000

*Mercedes-Benz C-class (W202) Service Manual* Bentley Publishers,Robert Bentley, inc,2008 The Mercedes Benz C Class W202 Service Manual 1994 2000 contains in depth maintenance service and repair information for the Mercedes Benz C Class from 1994 to 2000 The aim throughout has been simplicity and clarity with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself Mercedes Benz owner this manual helps you understand care for and repair your car The do it yourself Mercedes Benz owner will find this repair manual indispensable as a source of detailed maintenance and repair information Even if you have no intention of working on your vehicle you will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician Mercedes-Benz C-class (W202) Service Manual ,2011 The Mercedes Benz C Class W202 Service Manual 1994 2000 contains in depth maintenance service and repair information for the Mercedes Benz C Class from 1994 to 2000 The aim throughout has been simplicity and clarity with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself Mercedes Benz owner this manual helps you understand care for and repair your car The do it yourself Mercedes Benz owner will find this repair manual indispensable as a source of detailed maintenance and repair information Even if you have no intention of working on your vehicle you will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician

*Mercedes-Benz C-Class* A. K. Legg,Robert Jex,2000 C180 C200 C220 C230 C250 Saloon Estate C Class Does NOT cover supercharged Kompressor or 6 cyl petrol C200 or CDI 220 Diesel or AMG versions Does NOT cover new C Class range introduced September 2000 Petrol 1 8 litre 1797 1799cc 2 0 litre 1998cc 2 2 litre 2199cc 2 3 litre 2295cc 4 cyl Diesel turbo Diesel 2 2 litre 2155cc 2 5 litre 2497cc **Mercedes Benz C-Class Petrol and Diesel Service and Repair Manual** Pete Gill,2009-01-01 Mercedes Benz C Class W203 models with in line petrol and diesel engines C160 C180 C200 C220 C230 C270 Saloon Estate Coupe W203 series inc Kompressor models and special limited editions Petrol 1 8 litre 1796cc 2 0 litre 1998cc 2 3 litre 2295cc Turbo Diesel 2 2 litre 2148cc 2 7 litre 2685cc *Mercedes-Benz 190, 190E & 190D* Steve Rendle,2004 *Chilton's Mercedes-Benz C-class 2001-07 Repair Manual* Alan Ahlstrand,2008 All Mercedes Benz C class

models 01 thru 07     Mercedes-Benz 250 and 280 Owner's Workshop Manual John Harold Haynes,P. G. Strasman,2013-02 A maintenance repair manual for the DIY mechanic     *Workshop manual for Mercedes-Benz 200, 220, 230 & 250 series* ,1972

Mercedes C-Class Petrol and Diesel Service and Repair Manual A. K. Legg,Haynes Publishing,R.M. Jex,2014-08 This title provides a complete owner s service and repair manual for the Mercedes C Class     Mercedes-Benz Owners Workshop Manual A. K. Legg,2014 Models covered UK 250 and 250 long wheelbase Saloons 2525 cc 250 T Estate 2525 cc 280 and 280 E Saloons 2746 cc 280 TE Estate 2746 cc 280 C and 280 CE Coupes 2746 cc     **Mercedes-Benz A-Class** Pete Gill,2013

Service Manual, Chassis and Body, Series 126 ,1984     **Mercedes-Benz 124 Series ('85 to '93) Service and Repair Manual** Spencer J. Drayton,Mark Coombs,Steve Rendle,1996 200 230 250 260 280 300 320 Saloon Estate Coupe 124 Series with rear wheel drive Does NOT cover Convertible Limousine 4x4 or E Class range introduced August 1993 Petrol 2 0 litre 1996cc 2 3 litre 2298cc 2 6 litre 2597cc 2 8 litre 2799cc 3 0 litre 2962cc 3 2 litre 3199cc Does NOT cover 4 cyl 16 valve or V8 petrol engines Diesel turbo Diesel 2 0 litre 1997cc 2 5 litre 2497cc 3 0 litre 2996cc     Mercedes-Benz Service Manual, Model 190 Passenger Cars Daimler-Benz,1964\*     *Service Manual* Mercedes-Benz of North America, Inc,1979     **Service Manual, Models 180 to 220 SE** ,19??     **Mercedes-Benz Service Manual** ,1968     **Mercedes-Benz E-Class** Martynn Randall,2015 Models covered Mercedes Benz E Class W211 series saloon estate with diesel engines E220 CDI E270 CDI E280 CDI E320 CDI Does not cover petrol models or 4 wheel drive models or W212 range     *Mercedes Benz C Class W202 W203 & W204* Colin Pitt,2008-06-01

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web may 28 2022 4588 a busbar is a kind of copper or aluminum conductor rod which collects electricity from one or more circuit and distributes it today we will discuss the busbar size calculation chart pdf table of contents busbar calculation busbar size calculation chart pdf busbar calculation in low voltage line busbar size selection

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web in case of copper bus bar the current carrying capacity is 1 2 max the bus bar 100mm x25mm x1 5mm is suitable for incomer current 100 25 1 5 1 2 4500a in case of aluminium bus bar the current carrying capacity is 0 8 max so the bus bar 100x25x1 5 is suitable for 100 25 1 5 0 8 3000a incomer current

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web desire maximum current rating of bus bar 630amp fault current  $i_{sc}$  50ka fault duration  $t$  1sec the operating temperature rises for the busbar is operating temperature of bus bar  $\theta$  85 c final temperature of bus bar during fault  $\theta$  1 185 c temperature rise of bus bar bar during fault  $\theta$  t  $\theta$  1  $\theta$  100 c ambient

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web circuit board pcb this board is then placed into a cutout hole or slot located in the center of a bus bar figure 1 shows the alternate approach using two drv425 devices when a cutout hole or slot is placed in the center of the bus bar the current is split in two equal parts each side of the cutout will generate

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web knowing required ampacity determine possible bus bar dimensions from this table then check the ampacity table to verify that size selected has the necessary ampacity example assume that required ampacity is 185 amps at 30 c rise this



table indicates that 1 16 x 1 in size would probably be adequate this is confirmed by the ampacity

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web cross sectional area and the length determine bus bar conductor size cross sectional area 4 is equal to conductor thickness t multiplied by conductor width w a value of approximately 400 circular mils per ampere is a traditional basis for

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web of any conductor must be assessed for better longevity of the busbar and flow continuity of current at nominal value corresponding guidelines must be done also the distance between the equipment are energized and distance between energized equipment and ground should be noted keywords select the busbar calculation bars executive points

