



Installation instructions

Conversion to AMG sports suspension

Model 202

32.12

Models 202.018/020/022/028/120/121/125/128

Models with the following levels of equipment are excluded:

- Esprit (code 959) and Sport (code 956)
- With rear axle level control (code 480)
- With trailer coupling (code 550)
- C 36 AMG (code 957)

Installation of the suspension kits is not envisaged for USA models.

These installation instructions are valid for the assembly of the following suspension kits:

Kit 1: B6 602 00 24 - Front axle rating system up to 44

Kit 2: B6 602 00 25 - Front axle rating system up to 62

Kit 3: B6 602 00 26 - Front axle rating system from 63

The installation instructions are divided up into the following sections:

- A. AMG sports suspension
- B. Installation of AMG sports suspension
- C. Test and adjustment values
- D. Appendix to installation instructions

Note

In the Federal Republic of Germany certification is required by an officially recognized expert or tester from a technical testing point for motor vehicle traffic or by a test engineer from an officially recognized supervisory organization after conversion. For this purpose it is necessary to submit a copy of the applicable component report and confirmation from the Mercedes-Benz workshop (see form sheet enclosed).

A. AMG sports suspension

The following parts of the suspension have been tuned to a sporting driving style:

- Front axle/rear axle shock absorber
- Front axle/rear axle springs

The vehicle level has been lowered compared to the production version.

Test and adjustment values

Test and adjustment values can be obtained from the appendix to these installation instructions.

Trailer operation

Trailers may not be operated in conjunction with AMG sports suspension.

Wheel/tire combinations

The following wheel/tire combinations can be used.

1. MB 15-inch tires
2. AMG 15-inch tires
3. AMG 17-inch tires

Combination 1

Front axle = Rear axle

225/45 ZR17

7.5 J x 17H2 ET35

Rear axle

245/40 ZR17

8.5 J x 17H2 ET30

Combination 2

Front axle

225/45 ZR17

7.5 J x 17H2 ET35

Note

Recommended tire brands can be obtained from the Service Information "summer tires in conjunction with AMG optional extras and AMG light alloy wheels from the range of accessories".

All wheel-related details such as tightening torques, wheel bolts, inflation pressures etc. are listed in the following installation instructions.

40.27 Conversion to 225/45 R17 tire and 7.5 J x 17H2 ET35 disk wheel.

40.32 Conversion to 245/40 R17 tire and 8.5 J x 17H2 ET30 disk wheel.

Use of snow chains

Generally snow chains may only be used in conjunction with MB or AMG 15-inch tires.

B. Installation of AMG sports suspension

1. Assignment of parts to suspension kits

Kit no.	Kit 1	Kit 2	Kit 3
Part no. (B6)	B6 602 00 24	B6 602 00 25	B6 602 00 26
General assignment	Light vehicle	Medium-heavy vehicle	Heavy vehicle
Front axle rating system	up to 44	up to 62	from 63
Front axle shock absorber	H WA202 323 02 00		
Rear axle shock absorber	H WA202 326 02 00		
Front axle spring	H WA202 321 98 04	H WA202 321 99 04	A202 321 12 04
Rear axle spring	A202 324 11 04	A202 324 11 04	A202 324 12 04

Mounting materials (not included in the suspension kit):

- Mounting front axle shock absorber: A202 320 00 56 (2x)
- Mounting rear axle shock absorber: A202 320 00 56 (2x)
- Rear axle spring link on cross member: 913 004 012 008 (2x)

Parts ordering note:

The parts required for the installation can be obtained under the specified part no.

2. Removal and installation of suspension parts

- Front axle/rear axle springs
- Front axle/rear axle shock absorbers

Proceed in accordance with MB guidelines.

For this, refer to current repair microfilm
Steel suspension model 202 - main group 32.

The assignment of springs and spring rubber mounts to front and rear axles can be obtained from the appendix to these installation instructions.

Note

If, in the individual case, the vehicle level at the front or rear axle should be outside the specified tolerance band after the installation of the AMG sports suspension, despite correct assignment of springs and spring rubber mounts, the vehicle level is to be retroactively corrected by means of spring rubber mounts.

Front axle:

A 5 mm change at the front spring rubber mount (corresponds to one lug) changes the vehicle level by approx. 9 mm.

Rear axle:

A 5 mm change at the rear spring rubber mount (corresponds to one lug) changes the vehicle level by approx. 8 mm.

C. Test and adjustment values

Model 202 with steel suspension

Vehicle level ready-to-drive (wishbone position)

Models	Front axle mm	Rear axle without level control mm
202.018/020/022/025 120/121/125 Ring joint dia. 101	+ 5 - 15 - 10	+ 5 -3 - 10
202.024/028/128 Ring joint dia. 107		+ 5 0 - 10

Survey of front axle/spring rubber mounts

Part no.	Number of lugs	Height "s" in mm
A201 321 09 84	1	8
A201 321 10 84	2	13
A201 321 11 84	3	18
A201 321 12 84	4	23

Survey of rear axle/spring rubber mounts

Part no.	Number of lugs	Height "s" in mm
A201 325 09 44	1	8
A201 325 10 44	2	13
A201 325 11 44	3	18

Wheel alignment at the front axle - ready-to-drive

Camber	Wheels in straight ahead position (toe-in value 0)	- 1° ± 20'
	Permissible difference between left and right	0° 20'
Caster	Wheels in straight ahead position (toe-in value 0)	5° 30' ± 30'
	With wheels turned	5° 10' ± 30'
	Permissible difference between left and right	0° 30'
Toe-in (Front wheels pressed apart with 90 - 110 Nm)		0° 25' ± 10'

Toe difference angle for 20° angle of the wheel on the inside of the curve	0° 50' ± 30'
Maximum permissible steer angle of the wheel on the inside of the curve	43°
Ball point position	31.0 ± 1.5 mm
Permissible height deviation of the ball point position between the pitman arm and steering idler arm	3 mm

Chassis measurement is only to be carried out in the ready-to-drive condition.

Wheel alignment at the rear axle, ready-to-drive

Total toe-in at the axle (toe-in evenly distributed between both wheels).	0° 33' ± 7'
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Conversion to AMG sports suspension

Front axle rating system for model and version

Models 202	Special equipment code	018	020	022	024	025
Sales designation		C 180	C 200	C 220	C 230 COMPRESSOR	C 200 COMPRESSOR
Basic rating		26	28	36	38	35
Air conditioning	580/581	7	7	7	7	7
Auxiliary heater	228	4	4	4	4	4
Automatic transmission	420	3	3	3	3	3
Electric tilting/sliding roof	412/414	3	3	3	3	3
Front passenger airbag	291	1	1	1	1	1
Headlamp cleaning system	600	1	1	1	1	1
Electrically adjustable left front seat	221	1	1	1	1	1
Electrically adjustable right front seat	222	1	1	1	1	1
Fire extinguisher	682	1	1	1	1	1
Telephone	274/270/272	1	1	1	1	1
Radio	510/512/515	1	1	1	1	1
AMG styling package	772	2	2	2	2	2

"Elegance" equipment line	955	1	1	1	1	1
ASR	471	-	-	-	-	-
ASD	211	1	1	1	1	1

Front axle rating system for model and version

Models 202	Special equipment code	028	120	121	125	128
Sales designation		C 280	C 200 DIESEL	C 220 DIESEL	C 250 DIESEL	C 250 TURBODIESEL
Basic rating		54	29	32	44	53
Air conditioning	580/581	7	7	7	7	7
Auxiliary heater	228	4	4	4	4	4
Automatic transmission	420	3	3	3	3	3
Electric tilting/sliding roof	412/414	3	3	3	3	3
Front passenger airbag	291	1	1	1	1	1
Headlamp cleaning system	600	1	1	1	1	1
Electrically adjustable left front seat	221	1	1	1	1	1
Electrically adjustable right front seat	222	1	1	1	1	1
Fire extinguisher	682	1	1	1	1	1
Telephone	274/270/272	1	1	1	1	1
Radio	510/512/515	1	1	1	1	1
AMG styling package	772	2	2	2	2	2
"Elegance" equipment line	955	1	1	1	1	1
ASR	471	1	-	-	-	-
ASD	211	Standard	1	1	1	1

Assignment of rear springs to spring rubber mounts

Total rating up to	Rear spring part no.	Spring shim/number of lugs			
		1	2	3	4
		Part no.: A201 321 .. 84			
		09	10	11	12
30	H WA202 321 98 04	blue	red	-	-

37		-	blue	red	-
44		-	-	blue	red
48	H WA202 321 99 04	blue	red	-	-
55		-	blue	red	-
62		-	-	blue	red
66	A202 321 12 04	blue	red	-	-
73		-	blue	red	-
> 73		-	-	blue	red

Conversion to AMG sports suspension

Rear axle rating system for model and version

Models 202	Special equip-ment code	018	020	022	024	025
Sales designation		C 180	C 200	C 220	C 230 COMPRESSOR	C 200 COMPRESSOR
Basic rating		24	28	32	38	38
Electric tilting/sliding roof	412/414	3	3	3	3	3
ASD	211	3	3	3	3	3
Automatic transmission	420	1	1	1	1	1
Through-loading feature	287	3	3	3	3	3
Heavy-duty battery	673	2	2	2	2	2
Radio	510/512/ 515	1	1	1	1	1
Telephone	274/270/ 272	1	1	1	1	1
Rear head restraints	430	1	1	1	1	1
"Elegance" equipment line	955	1	1	1	1	1
AMG styling package	772	1	1	1	1	1
CD changer in trunk	819	1	1	1	1	1
Sun shade on rear window	540	1	1	1	1	1

Rear axle rating system for model and version

Models 202	Special equip-ment code	028	120	121	125	128
Sales designation		C 280	C 200 DIESEL	C 220 DIESEL	C 250 DIESEL	C 250 TURBODIESEL
Basic rating		32	25	27	26	35
Electric tilting/sliding roof	412/414	3	3	3	3	3

ASD	211	Serie	3	3	3	3
Automatic transmission	420	1	1	1	1	1
Through-loading feature	287	3	3	3	3	3
Heavy-duty battery	673	2	2	2	2	2
Radio	510/512/ 515	1	1	1	1	1
Telephone	274/270/ 272	1	1	1	1	1
Rear head restraints	430	1	1	1	1	1
"Elegance" equipment line	955	1	1	1	1	1
AMG styling package	772	1	1	1	1	1
CD changer in trunk	819	1	1	1	1	1
Sun shade on rear window	540	1	1	1	1	1

Assignment of front springs to spring rubber mounts

Total rating up to	Front spring part no.	Spring shim/number of lugs		
		1	2	3
		Part No.: A201 325 .. 44		
		09	10	11
38	A202 324 11 04	blue	red	-
46		-	blue	red
52	A202 324 12 04	blue	red	-
> 52		-	blue	red

D. Appendix to installation instructions

Please copy and fill out on the headed paper of the MB workshop carrying out the conversion

Confirmation of installation of AMG sports suspension

Mercedes-Benz passenger car model: 202 without level control

Vehicle ident. no.:

Sales designation: C

The work described in accordance with installation instructions no. 32/12 has been performed on the above vehicle, in accordance with the manufacturer's guidelines. The vehicle thus corresponds to

