Mercedes-Benz

AMG

Installation instructions

Conversion to one-piece disk wheel
Front axle: 8 J × 18 H 2 ET 31
Rear axle: 9 J × 18 H 2 ET 35

40.41

Model 210 (E-class)

A pre-condition for the use of the wheel/tire combination is that the contents of paragraphs A, B, C, D and E are carried out in full.

The installation instructions are divided up into the following sections:

A. Permitted wheel/tire combination

B. Removing the standard wheels

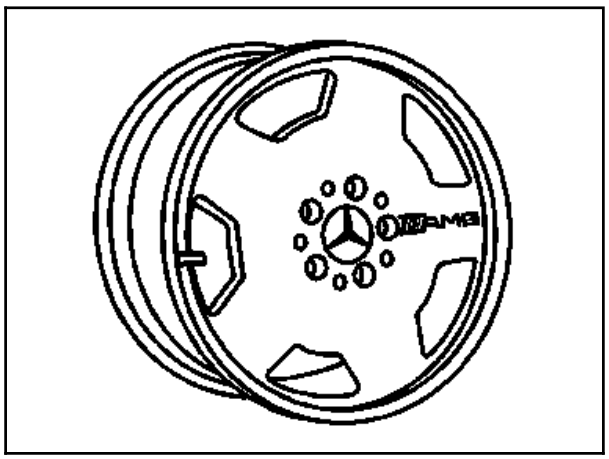
C. Modifications to the body

D. Fitting the special wheels

E. Tire inflation pressure/tire makes/using snow chains

F. Technical details

G. Information for ordering replacement parts



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Note
After the conversion, in the Federal Republic of Germany, approval for the installation is required from an officially recognized expert or tester at a technical testing station for motor vehicles or from a test engineer of an officially recognized supervisory organisation.

A. Permitted wheel/tire combination

Permitted wheel/tire combination for model designation 210

	Front axle	Rear axle
Wheel dimensions	8 J x 18 H2 ET 31	9 J x 18 ET 35
Tire dimensions	235/40 ZR 18	265/35 ZR 18

B. Removing the standard wheels

1 Remove wheel covers on steel disk wheels.
2 Slacken wheel bolts.
3 Raise vehicle.
4 Unscrew wheel bolts.

Note

When unscrewing the final wheel bolt be sure that the wheel does not tilt off the hub in an uncontrolled manner.

5 Remove wheel.

⚠

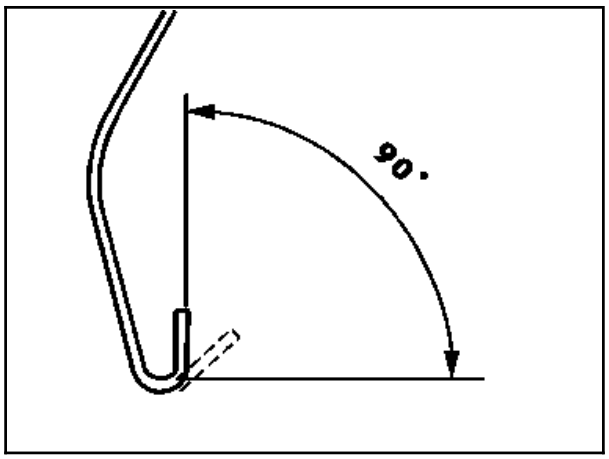
Five of the standard wheel bolts removed must be retained for the spare wheel. The standard production spare wheel can be used as a temporary spare wheel.

A maximum speed of 80 km/h is permissible due to the change in handling characteristics resulting from different tire rolling circumferences and wheel offsets. For this purpose, the standard production spare wheel is to be identified with the enclosed auxiliary sticker
(A140 584 33 38). Replace the temporary spare wheel with a standard wheel as soon as possible.

C. Modifications to the body

1 Reworking the body at the front fenders

1.1 Folding over front fender flange:
When converting to wider wheels/tires, the inner edges of the front fenders must be folded over to 90° over the entire wheel cut-out (refer to figure).



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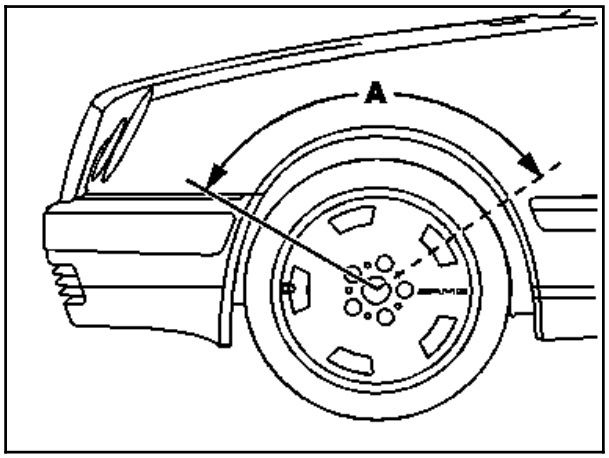
1.2 If excessive PVC underbody protection has been applied, grind off excess before folding back the fender flange.

1.3 Using a hot air gun carefully heat up outer edge of fender to 70°-80°C.

Note
Do not overheat paint whilst applying heat (max. 80°C).

1.4 In the marked area (A), the fender flange is flattened down to the inside of the fender in several stages. A plastic hammer must be used to avoid damaging the paint.
Note
Rectify any damage to paint or underbody protection.



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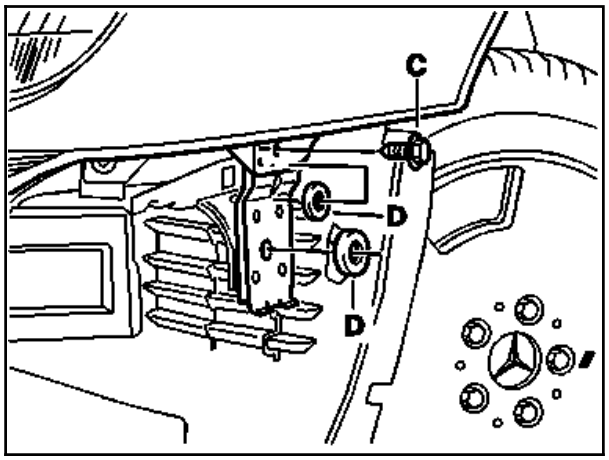
1.5 The corners which curve down in the area A of the fender are to be checked for clearance and reworked, if required.

1.6 Unscrew fender mounting bolt (C) and lay PA disk (D) H WA210 990 02 40 underneath between fender and bracket.

1.7 To support the front apron, put PA disk (D)
H WA210 990 02 40 on to the side bracket.



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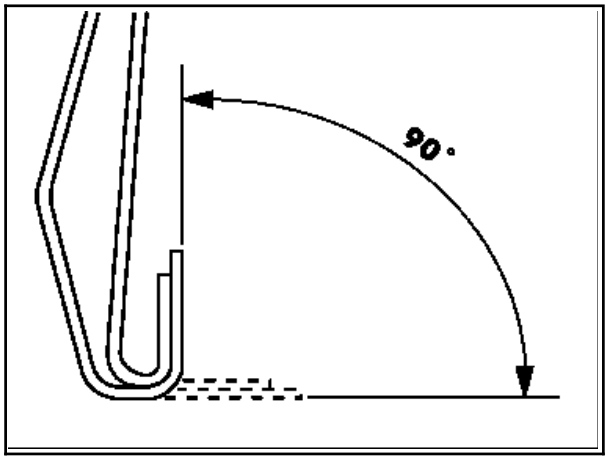
2 Crimping the edge of the rear fenders

2.1 The inner edges of the rear fenders must be folded over to 90° over the entire wheel cut-out (refer to figure).



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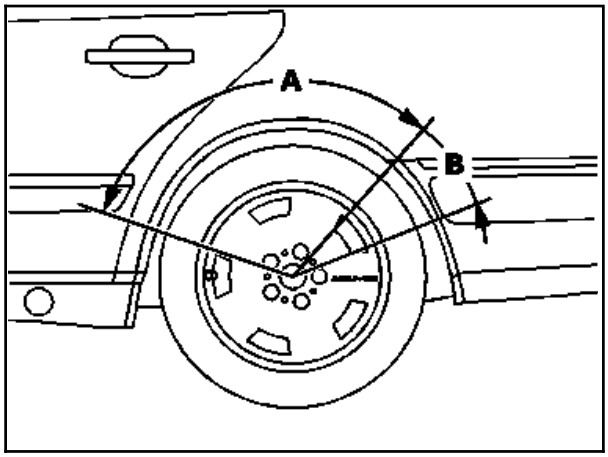
2.2 Carefully heat up outer edge of fender to max. 70°-80°C with a hot air gun.

Note
Do not overheat paint whilst applying heat (max. 80°C).

2.3 In the marked area (A), the fender flange is crimped in several stages, up to the upper edge of the rear apron. A tight fit of the flange is required especially in the rear area (B) and at the rear corner over the rear apron.
A plastic hammer must be used to avoid damaging the paint.



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Note
Rectify any damage to paint or underbody protection.

2.4 Treat wheel arches again with underbody protection. Spray the folded back fender edges with body cavity preserver.

2.5 The side of the bumper (B) which borders on the wheel cut-out is to be ground on its upper side at an angle of approx. 60° diagonally backwards and from above, approx. 3 cm diagonally downwards.

D. Fitting the special wheels

1 Screw centering bolt (vehicle tool kit) into uppermost tapped hole of the wheel hub.

2 Put on AMG light alloy wheel and press onto wheel hub.

3 Screw in wheel bolts and tighten until frictionally locked. The wheel bolts must be dry and free from grease.
Ensure that the wheels are not incorrectly tensioned through tightening the wheel bolts on one side. (Tighten wheel bolts diagonally in several stages).

⚠
Only M12×1.5×40 mm spherical collar bolts supplied with the rims are to be used for the wheel fixing.

4 Unscrew centering bolt and replace with a wheel bolt.

5 Lower vehicle.

6 Evenly tighten wheel bolts diagonally to a tightening torque of 110 Nm.

⚠

AMG light alloy wheel bolts must be retightened after
100 - 500 km. (Tightening torque 110 Nm).

E. Tire inflation pressure/tire makes/using snow chains

1 The **tire inflation pressure** is to be adjusted in accordance with the standard tire inflation pressure plate in the gas tank flap.

2 Recommended **tire brands** can be obtained from the current Service Information "Summer tires in conjunction with AMG special equipment and AMG light alloy wheels from the accessory range".

⚠
When installing, pay attention to tires with specified directions of rotation.

3 **Fitting snow chains** in conjunction with the AMG wheel/tire combination is not permitted.

F. Technical details

1. Details of 8 J x 18 H2 ET 31 special wheel

Manufacturer:	AMG/Lemmerz
Model:	H WA210 401 01 02
Wheel size:	8 J x 18 H2
Offset:	31 mm
Hole circle:	d=112 mm, 5 hole
Permitted wheel load:	680 kg at r_{dyn}=312 mm
Centering:	Central centering d=66.45 mm H9

Type:	One-piece light alloy wheel, cast	
Width of rim base:	8 inch	
Marking:	Outer side of wheel:	Logo cast: AMG logo
	Inner side of wheel:	Logo cast: Date of manufacture: Month/year Offset: ET 31 Wheel size: 8 J x 18 H2 AMG Part no.: H WA210 401 01 02 Lemmerz company symbol Test symbol SAE J 175 JWL symbol Made in Belgium Manufacturer's symbol Die no. MB trademark
Valve:	Rubber valve	
Attachment: wheel manufacturer	Only with M12 × 1.5 × 40 mm spherical collar bolts supplied by the	
Balancing weights:	Only adhesive weights as used in MB production are permitted	

2. Details of 9 J x 18 H2 ET 35 special wheel

Manufacturer:	AMG/Lemmerz
Model:	H WA210 401 02 02
Wheel size:	9 J x 18 H2
Offset:	35 mm
Hole circle:	d=112 mm, 5 hole
Permitted wheel load:	680 kg at r_{dyn}=312 mm
Centering:	Central centering d=66.45 mm H9
Type:	One-piece light alloy wheel, cast
Width of rim base:	9 inch
Marking:	Outer side of wheel: Logo cast: AMG logo

Inner side of wheel:	Logo cast: Date of manufacture: Month/year Offset: ET 35 Wheel size: 9 J x 18 H2 AMG Part no.: H WA210 401 02 02 Lemmerz company symbol Test symbol SAE J 175 JWL symbol Made in Belgium Manufacturer's symbol Die no. MB trademark

Valve: Rubber valve

Attachment: wheel manufacturer: Only with M12 ×1.5×40 mm spherical collar bolts supplied by the

Balancing weights: Only adhesive weights as used in MB production are permitted

F. Information for ordering replacement parts

Replacement parts

Designation	Part no.
Light alloy disk wheel 8 J x 18 H 2 ET 31 with fastening material and wheel cover	B6 603 1000
Light alloy disk wheel 9 J x 18 H 2 ET 35 with fastening material and wheel cover	B6 603 1001
Wheel cover	A201 400 04 25
Spherical collar bolt M12 ×1.5 Shank length L=40 mm	A124 400 04 70
Rubber valve	A000 400 02 13
PA washer	H WA210 990 02 40

Note

A set of wheel locking bolts (part no.: B6 6 40 8234) can be supplied upon request.