Installation instructions

Conversion to 16 inch tires and 7 1/2 J × 16 H 2 ET 37 disk wheel

40.21

Model 124

Excluding vehicles 124.00/020/036/120/290/393.

All the work described in sections A, B, C, D and E must be carried out in full before the wheel/tire combination may be used.

The installation instructions are divided up into the following sections:

A. Permitted wheel/tire combinations

B. Detaching the standard wheels

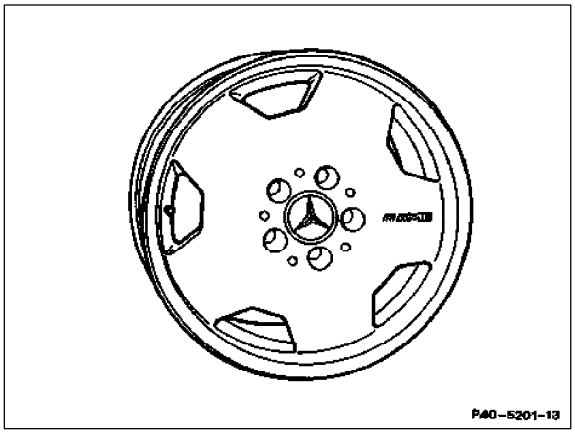
C. Modifications to the body

D. Fitting the special wheels

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

F. Technical details

G. Information for ordering replacement parts



as of 03/92, H WA201 400 07 02

Note

An entry in the vehicle documents is required in the Federal Republic of Germany. For this, a copy of the respective sample report must be submitted to the TÜV/TÜA.

A. Permitted wheel/tire combinations

Models	Front axle	Rear axle	Comments
124.021/023/026/030/031 124.04/05/125/128/13 124.226/230/330/333	205/55 R 16	205/55 R 16	All sedans, coupés, including **4-MATIC** **excluding** 500E/200D and 300 CE-24 Cabrio
124.021/023/026/027 124.031/030/04/05/08/09/061 124.10/125/127/128/13/18 124.226/230/330/333	205/55 R 16	225/50 R 16	All 124 models **excluding** 500E

B. Detaching 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 suddenly tilt off the hub.

5 Remove wheel.

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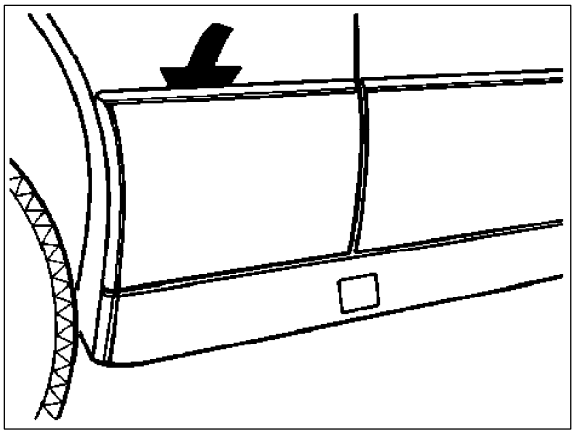
Five of the standard wheel bolts removed must be retained for the spare wheel. The standard production spare wheel can be used as a temporary spare wheel.

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
(H WA201 584 04 39). Replace the temporary spare wheel with a standard wheel as soon as possible.

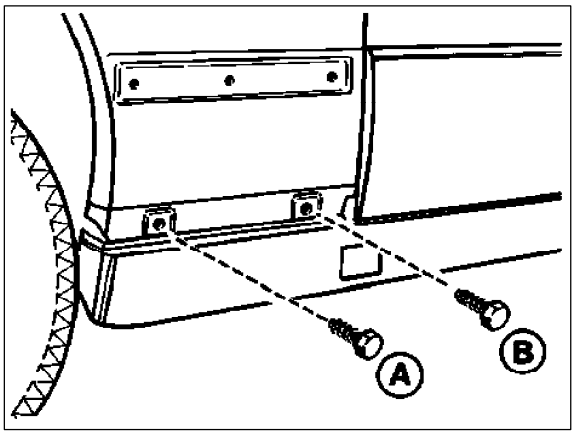
C. Modifications to the body

1 Adjusting the front fender

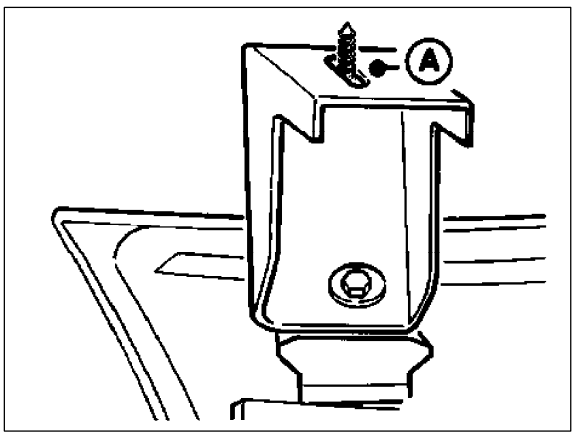
1.1 Detach protective side molding on the front fender from the fixing elements, pull to the rear and remove.

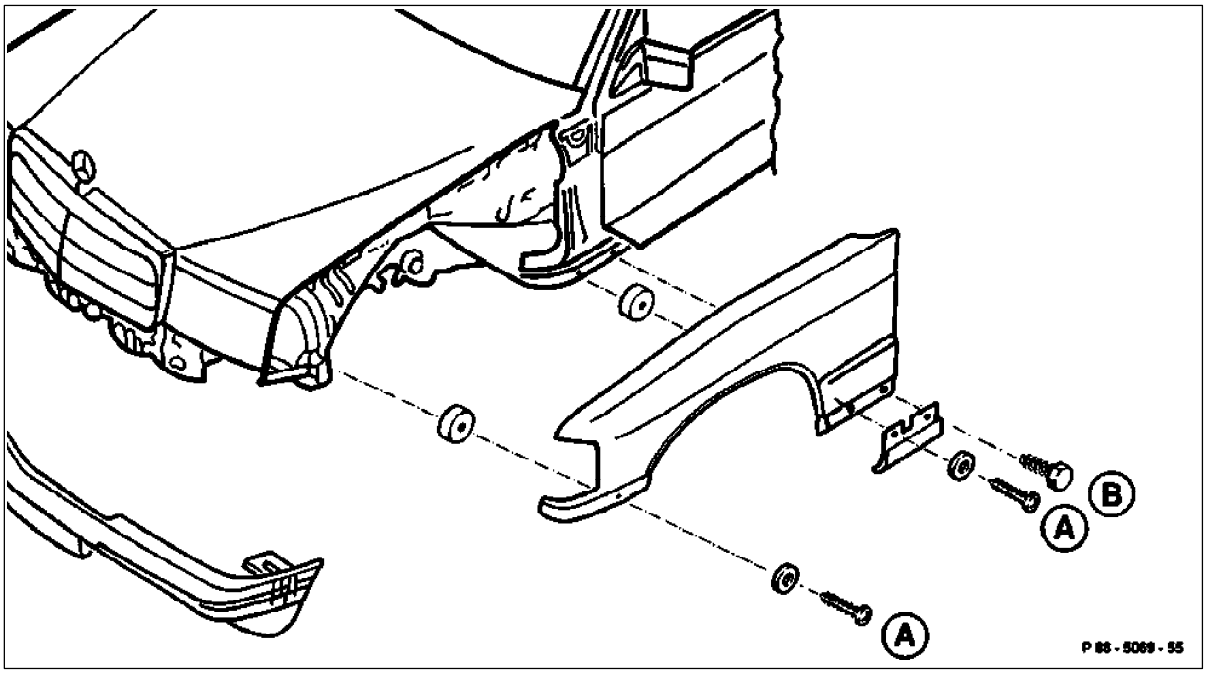


1.2 Unscrew bolts (A and B) on fender.



1.3 Slacken bolt (A) on side of bumper.





1.4 Press the side part of the bumper downwards and loosen and unscrew the bolts for fender fixing (A and B). Clamp a spacer between fender and body on the left and the right. The bore holes must align to permit troublefree fixing.

1.5 Place one spacer on the left and right between the fender and body in the side area of the bumper.

1.6 Tighten all bolts slightly in accordance with layout. Tighten bolts after a visual inspection.

2 Reworking the body at the front fenders on the following vehicles

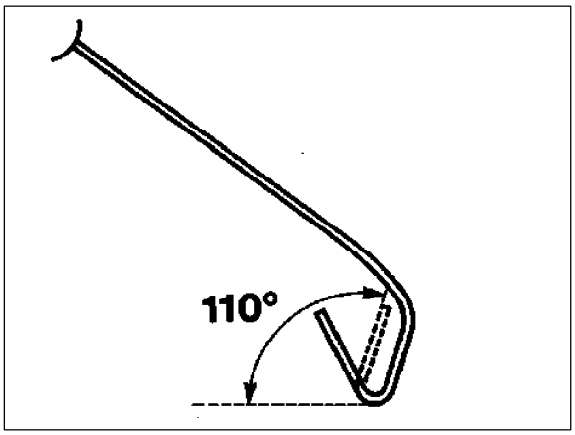
Model up to vehicle ident. end no.

124 B 065820
A 065820
F 122351

2.1 Flattening down front fender flange:

When converting to wider wheels and tires the inside edges of the front fender must be flattened down to an angle of 60° over the complete wheel cutout.

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

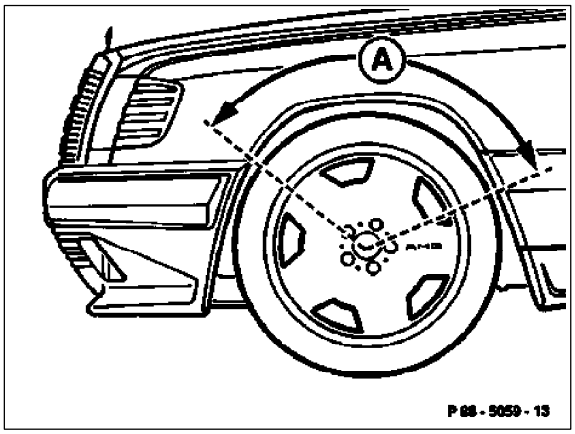


2.3 Using a hot air gun carefully heat up outer edges of fender to a maximum of 70°- 80°C.

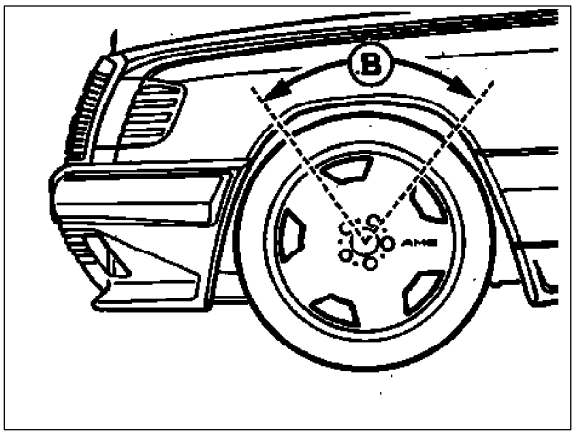
Note

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

2.4 In the marked area (A), the fender flange is flattened down up to the inside of the fender in several stages. A plastic hammer must be used to avoid damaging the paint.



2.5 Allow fender edge to curve smoothly downwards within the marked area (B).



Note
Rectify any damage to paint or underbody protection.

2.6 Grind off protective side molding to match the reworked fender contour and assemble.

3 Folding back the edge of rear fender

Note

Rework only required in the case of 225/50 ZR 16 on the rear axle.

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

3.2 Using a hot air gun carefully heat up outer edges of fender to a maximum of 70° - 80°C.

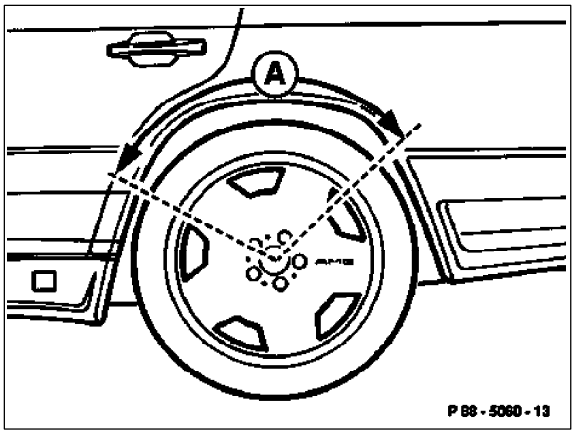
Note

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

3.3 The fender flange is flattened down up 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.

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



D. Fitting the special wheels

1 Screw in centering bolt (tool kit) in upper 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 positively. The wheel bolts must be dry and free from grease.

Ensure that the wheels are not tensioned through tightening the wheel bolts on one side. (Tighten wheel bolts diagonally in several stages).

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Only M12 x 1.5 x 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.

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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 production tire inflation pressure plate in the gas tank flap.

2 Recommended **tire makes** 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".

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

F. Technical details

Manufacturer:	AMG/RUOTE OZ
Model:	H WA201 400 07 02
Wheel size:	7 1/2 J×16 H 2
Offset:	37 mm
Pitch circle:	d=112 mm, 5-hole
Permitted wheel load:	650 kg at r_{dyn}=307 mm
Centering:	Central centering d=66.5 H8
Type:	One-piece light alloy wheel with double hump.
Marking:	Outer side of wheel: AMG
	Inner side of wheel: RUOTE OZ (foundry symbol), Germany, 7 1/2 J×16 ET 37, JWL symbol, date of manufacture
	a H WA201 400 07 02
Valve:	Rubber valve in accordance with DIN 7780
Fixing:	Only with M12 × 1.5 × 40 mm spherical collar bolts supplied by the wheel manufacturer.
Tightening torque:	110 Nm
Balance weights:	Only adhesive weights as used in MB production are permitted.

G. Information for ordering replacement parts

Replacement parts

Designation	Part no.
7 1/2 J × 16 H 2 ET 37 light alloy disk wheel with fixing material and wheel trim	H WA201 400 06 02
Wheel trim	A201 400 04 25
Spherical collar bolt M12×1.5 Shank length L = 40 mm	A201 400 00 70
Rubber valve	A000 400 02 13
Tire inflation pressure sticker	A124 584 26 39
Fender extension kit	H WA124 880 01 97

Note

A set of wheel locking bolts (Part no.: B6 6 40 8103) can be supplied upon request.