

Installation Instructions

Conversion to 16-inch tyres and 7 1/2 J × 16 H 2 ET 31 multi-piece disk wheel 40.14

Model 124

Excluding vehicles with special bodywork, sedans with long wheelbase and 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/tyre combination may be used.

The installation instructions are divided up into the following sections:

- A. Permitted wheel/tyre 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



up to 03/92, C740 0187



as of 03/92, H WA201 400 11 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/tyre combinations

| Model | Front axle | Rear axle | Comments |
|---------------------------------------------------------------------------------------------------------------|-------------|-------------|------------------------------------------------------------------------------------------------|
| 124.021/023/026/030/31 124.04/05/125/128/13 124.226/230/330/333 | 205/55 R 16 | 205/55 R 16 | All sedans, coupés (including 4MATIC) excluding 500E/200D and 300 CE-24 Cabrio |
| 124.021/023/026/027 124.031/030/04/05/ 124.08/09/061 124.10/125/127/128/13/18 124.226/230/330/332 | 205/55 R 16 | 225/50 R 16 | All 124 models excluding 500E and 300 CE-24 Cabrio |
| | | | |

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.

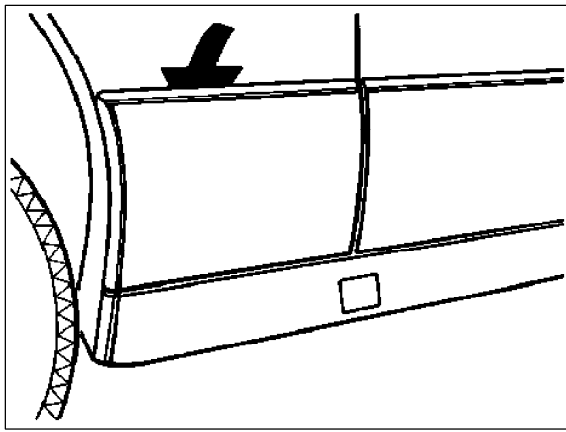
A maximum speed of 80 km/h is permissible due to the change in handling characteristics resulting from different tire rolling circumferences and wheel offsets. For this purpose, the standard production spare wheel is to be identified with the enclosed auxiliary sticker

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

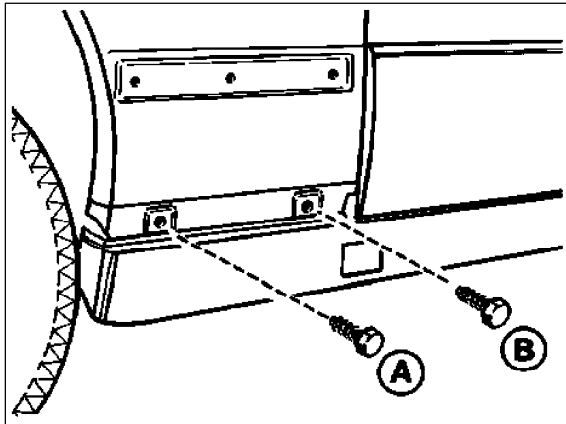
C. Modifications to the body

1 Adjusting the front fender

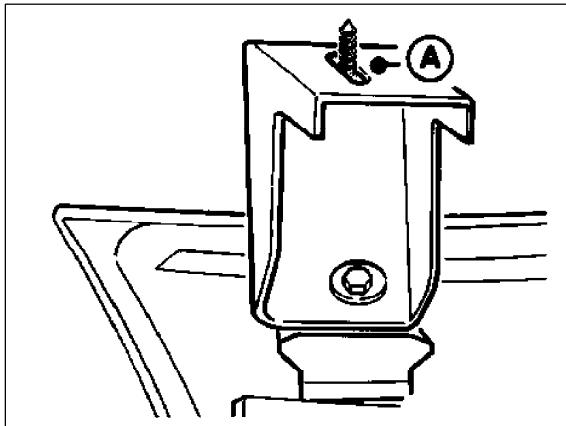
1.1 Detach side panel on the front fender from the fixing elements, pull to the rear and remove.

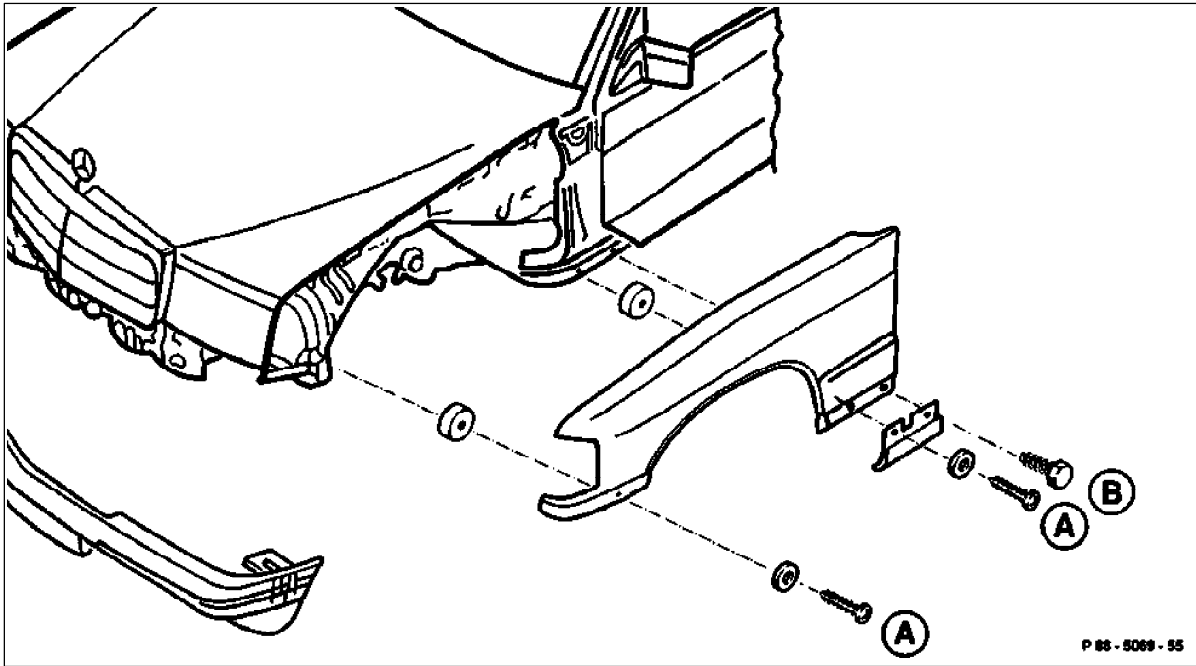


1.2 Unscrew bolts (A and B) on fender.



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 (item 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.

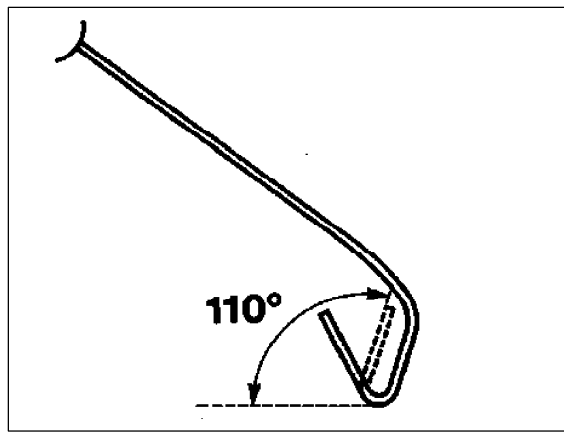
2.1 Flattening down front fender flange:
When converting to wider wheels and tyres the inside edges of the front fender must be flattened down to an angle of 110° over the complete wheel cutout.

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

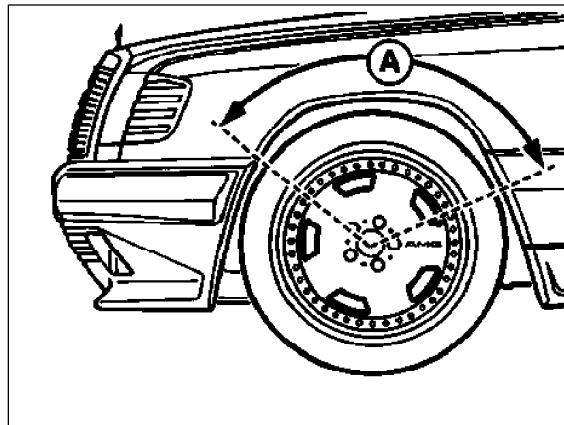
2.3 Using a hot air gun carefully heat up outer edges of fender to a maximum of 70° - 80°C.

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.

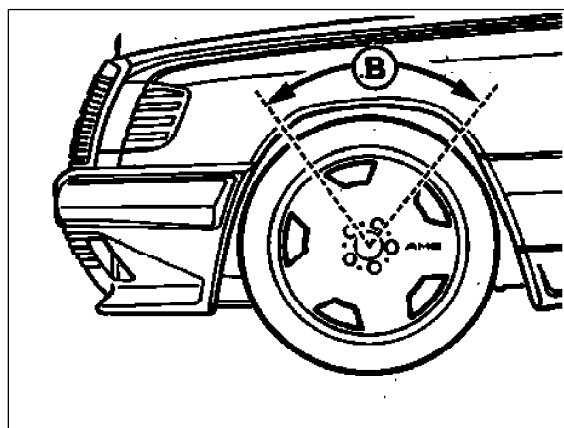


2.5 Allow front fender flare to curve smoothly back towards original, unflared line within the marked area (B).

Note

Rectify any damage to paint or underbody protection.

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



3 Folding back the edge of rear fender

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

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

Note

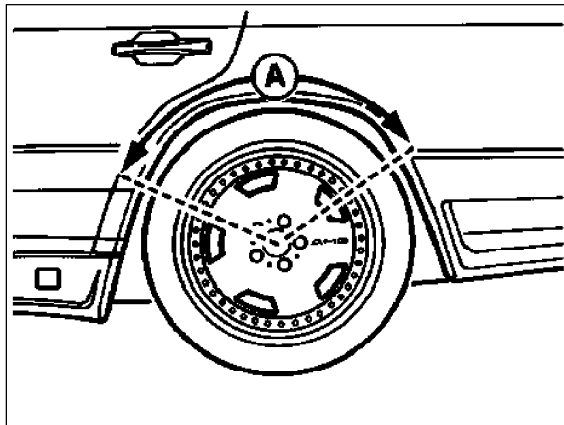
Do not overheat paint whilst applying heat (max. 80°C).

3.3 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.

Note

Rectify any damage to paint or underbody protection.

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



D. Fitting the special wheels

1 Screw in centering bolts (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 by 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 by 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).

For reasons of safety and standardized appearance, wheel no. C740 0187 and wheel no. H WA201 400 11 02 must not be mixed but only fitted to the vehicle in sets.

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/OZ Racing | AMG/OZ Racing |
| Model: | C740 0187 | H WA201 400 11 02 |
| Wheel size: | 7 1/2 J×16 H 2 | 7 1/2 J×16 H 2 |
| Offset: | 31 mm | 31 mm |
| Pitch circle: | d=112 mm, 5-hole | d=112 mm, 5-hole |
| Permitted wheel load: | 660 kg at r _{dyn} =294 mm | 660 kg at r _{dyn} =294 mm |
| Centering: | Central centering d=66.5+0.1 | Central centering d=66.5 H8 |
| Type: | Multi-piece light alloy wheel with pressed outer and inner rim well and cast wheel spider. | Multi-piece light alloy wheel with pressed outer and inner rim well and cast wheel spider. |
| Width of outer rim well: | 1 inch | 1 inch |
| Width of inner rim well: | 6 1/2 inch | 6 1/2 inch |
| Wheel spider: | flange-mounted from inside | flange-mounted from inside |
| Marking: | Outer side of wheel AMG | Outer side of wheel AMG |
| | Inner side of wheel AMG Germany OZ Racing JU 7 1/2 J×16 H 2 ET 31 C740 0187 | Inner side of wheel AMG Germany OZ Racing JU 7 1/2 J×16 H 2 ET 31 JWL symbol H WA201 400 11 02 |
| Valve: | Metal screw-on valve | Metal screw-on valve |
| Fixing: | Only with M12×1.5×40 mm spherical collar bolts supplied by the wheel manufacturer | Only with M12×1.5×40 mm spherical collar bolts supplied by the wheel manufacturer |
| Tightening torque: | 110 Nm | 110 Nm |
| Balance weights: | Only adhesive weights as used in MB production are permitted | Only adhesive weights as used in MB production are permitted |

G. Information for ordering replacement parts

Replacement parts up to 03/92

| Designation | Part no. |
|---------------------------------------------------------------------------------|-------------------|
| 7 1/2 J×16 H 2 ET 31 light alloy disk wheel with fixing material and wheel trim | H WA201 400 04 02 |
| Wheel trim | H WA124 400 01 25 |
| Spherical collar bolt M12×1.5 Shank length L=40 mm | H WA201 401 02 70 |
| Metal screw-on valve | H WA129 400 01 13 |
| Fender extension kit | H WA124 880 01 97 |

Note

A set of wheel locking bolts (Part no.:
H WA201 400 03 70) can be supplied upon request.

Replacement parts as of 03/92

| Designation | Part no. |
|------------------------------------------------------------------------------------|-------------------|
| 7 1/2 J×16 H 2 ET 31 light alloy disk wheel with fixing material and wheel trim | H WA201 400 12 02 |
| Wheel trim | A201 400 04 25 |
| Spherical collar bolt M12×1.5 Shank length L=40 mm | A124 400 00 70 |
| Metal screw-on valve | H WA129 400 01 13 |
| Fender extension kit | H WA124 880 01 97 |

Note

A set of wheel locking bolts (Part no.:
B6 6 40 8102) can be supplied upon request.