Installation Instructions

Conversion to 235/45 R 17 tyres and 81/2 J x 17 H 2 ET 18 multi-piece disk wheel 40.05

Model 126

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. Detaching the standard wheels

B. Modifications to the body

C. Fitting the special wheels

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

E. Speedometer correction

F. Technical details

G. Information for ordering replacement parts

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. 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.

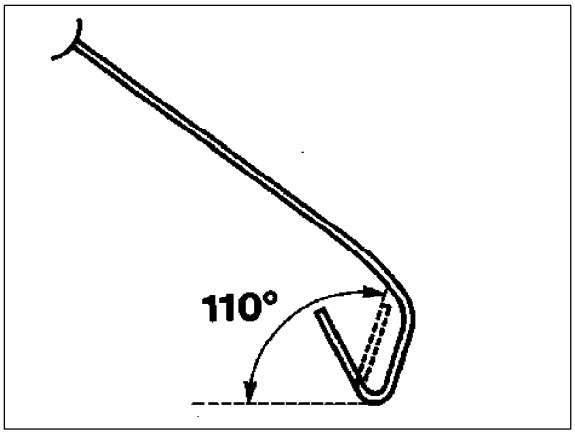
The standard production spare wheel can be used as a temporary spare wheel.

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.

B. Modifications to the body

1 Reworking the body at the front fenders

1.1 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.

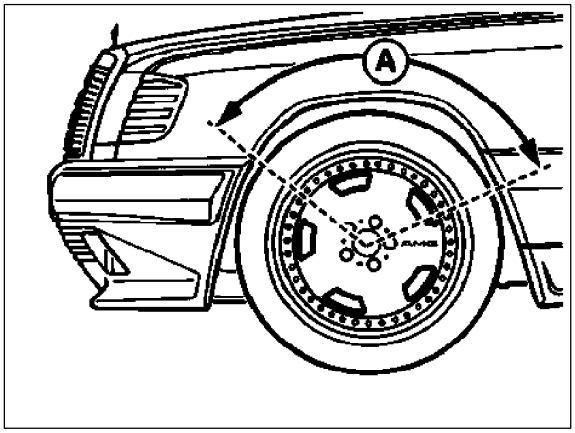


1.2 If excessive PVC underbody protection has been applied, grind off excess before folding back the fender flange.

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

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

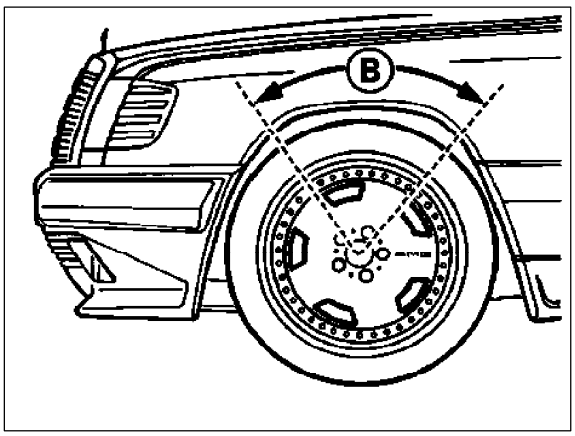
1.4 In the marked area (A), the fender flange is flattened down up to the inside of the fender in several stages. A plastic hammer must be used to avoid damaging the paint.



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

Note
Rectify any damage to paint or underbody protection.

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



2 Folding back the edge of rear fender

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

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

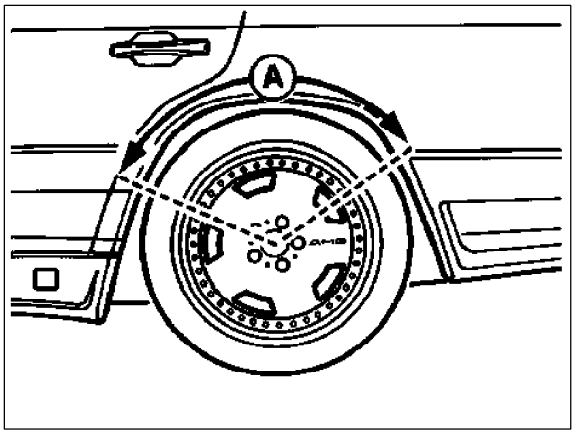
Note

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

2.3 In the marked area (A), the edge of the fender is flattened down as far as 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.

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



C. 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).

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

1 The minimum **tire inflation pressures** required and the recommended **tire makes** can be obtained from the tables in the appendix to the installation instructions.

2 The front axle or rear axle tire inflation pressures determined are to be noted on the AMG sticker using a waterproof felt tip pen. Attach sticker to a suitable point on the loading edge of the luggage compartment.

M

The information plate enclosed for the AMG tire inflation pressure sticker (loading edge of luggage compartment) must also be stuck on the inside of the gas tank flap.

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

E. Speedometer correction

Only required on vehicles with standard production 215/65 R 15 tyres (560 SE/SEL/SEC).

By contrast with standard production tyres the rolling circumference of retrofitted tyres is in a range which necessitates checking and correcting the speedometer calibration if required.
This can be performed by an authori z ed dealer of the respective instrument manufacturer (VDO/Motometer).

F. Technical details

Manufacturer:	AMG/OZ-Racing
Model:	C740 0175
Wheel size:	8 1/2 J×17 H 2
Offset:	18 mm
Pitch circle:	d=112 mm, 5-hole
Permitted wheel load:	630 kg at r_{dyn}=321 mm
Centering:	Central centering d=66.5+0.1
Type:	Multi-piece light alloy wheel with pressed outer and inner rim well and forged wheel spider.
Width of outer rim well:	15 inch
Width of inner rim well:	7 inch
Wheel spider:	flange-mounted from inside
Marking:	Outer side of wheel spider: AMG Inner side of wheel spider: AMG Germany OZ Racing JU 8 1/2 J×17 H 2 ET 18 C740 0175
Valve:	Metal screw-on valve
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.
8 1/2 J×17 H 2 ET 18 light alloy disk wheel with fixing material and wheel trim	H WA129 400 02 02
Wheel trim	H WA124 400 01 25
Spherical collar bolt M12×1.5 Shank length L=40 mm	H WA201 401 02 70
Tire inflation pressure sticker	H WA201 584 00 39
Information plate for tire inflation pressure sticker	H WA124 584 03 39
Fender extension kit	B6 6 02 0073
Spring travel limiter kit	A123 325 01 84

Note

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

Conversion to AMG 8 1/2 J x 17 H 2 ET 18 disk wheel with tyre dimension: 235/45 R 17.

Passenger car
Model 126 sedan/coupé

The appendix is divided up into the following sections:

A. Assignment of tyre make/model

B. Specified minimum tyre inflation pressures

A. Recommended tire makes

Make	Designation
Bridgestone	RE 71
Michelin	M X X 2 / M X X 3
Dunlop	SP Sport D 40
Pirelli	P 700 Z

B. Specified minimum tyre inflation pressures (bar)

Conversion to tyre dimension 235/45 R 17
Vehicle model: 126 sedan/coupé

Permitted maximum speed	**Front axle**	**Rear axle**	
V_{max} (km/h)1)	Permitted front axle load (kg)1)	Steel suspension Perm. rear axle load (kg)1)	Level control system Perm. rear axle load (kg)1)
	up to 1110	up to 1200	up to 1200
210	2.4	3.1	2.7
220	2.5	3.1	2.7
230	2.6	3.1	2.8
240	2.7	3.2	2.9
250	2.8	3.3	3.0
Max. wheel camber angle (degrees)	-1°30'	-4°	-2°30'

1) Values for maximum speed and permitted front axle or rear axle loads can be obtained from the vehicle documents.

Comments:

- Tyre inflation details only apply for vehicles with a maximum speed of up to 250 km/h.
- The tyre inflation pressure can be reduced by p = 0.1 (bar) per 100 kg reduction in axle load.
- Remember that tyre inflation pressure details only apply for cold tyres !
- On warm tyres values of up to 0.5 bar higher are permissible. Do not reduce pressure of warm tyres ! Tyre inflation pressure may only be corrected when tyres are cold !
- Tyre inflation pressure details relate to the use of permitted maximum speed and permitted axle load.