

21.1.3.2 Changing the wheel



Warning!

Risk of injury when the vehicle rolls away

- ▲ Perform the wheel change only when the vehicle has been secured.



Caution!

Unsafe wheel attachment

- ▲ Always use the correct wheel bolts.
 - ▲ For light-metal rims, different wheel bolts (diameter, length) can be used than for steel rims. Ensure the bolts are not interchanged.
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- ➔ Secure the vehicle (Chapter 21.1.1).
 - ➔ Uncouple the caravan and apply the handbrake.
 - ➔ Place the wheel chocks before and behind the opposite wheel. Position the jockey wheel at 90° to the driving direction and secure with chocks behind and in front of the wheel. This secures the vehicle from rolling away.
 - ➔ Get the spare wheel and the tools.
 - ➔ Remove the protective caps from the wheel nuts or the wheel cover.
 - ➔ Unscrew the wheel nuts or wheel bolts by half a revolution with the wheel spanner.
 - ➔ Position the vehicle jack and jack up the vehicle until the defective wheel is off the ground (Chapter 21.1.3.1).
 - ➔ For safety, crank the corner steadies down to the ground without load. Do not use the corner steadies for lifting the vehicle.
 - ➔ Screw out the wheel nuts or wheel bolts and place them onto a clean surface. Make sure the threads are clean.
 - ➔ Change the wheel.
 - ➔ Clean the threads, turn in the wheel nuts or bolts and tighten by hand.
 - ➔ Stow the defective wheel in the spare wheel support.
 - ➔ Lower the vehicle and remove the vehicle jack.
 - ➔ Tighten the wheel nuts crosswise (Chapter 21.1.4).
 - ➔ Stow the tools and the safety equipment.
 - ➔ Check the tyre pressure at the next opportunity.
 - ➔ After driving approx. 50 km, check the seating of the wheel nuts or bolts and tighten.

21.1.4 Tightening the wheel nuts

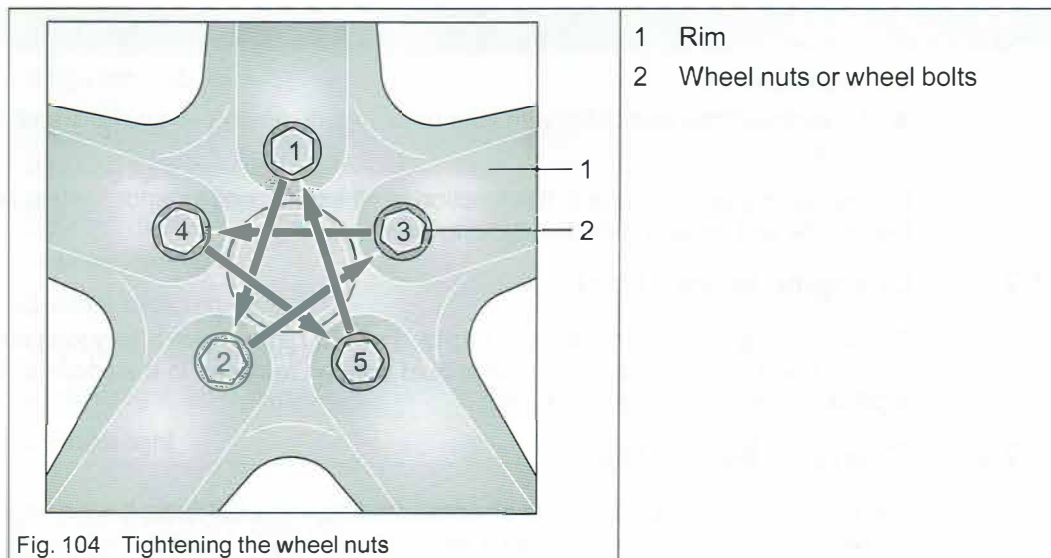


Fig. 104 Tightening the wheel nuts

- ➔ Tighten the wheel nuts or wheel bolts (Fig. 104/2) in the sequence 1 - 2 - 3 - 4 - 5.
- ➔ Check the firm seating of all wheel nuts or wheel bolts again.
- ➔ Use a torque wrench for light-metal rims without steel bushings.
 - 100 Nm for steel rims
 - 120 Nm for light-metal rims
- ➔ After driving approx. 50 km, check the seating of the wheel nuts or wheel bolts.