

36 12 ... Notes and specifications for tyre / wheel exchange

General:

- The tyre size, manufacturer and tyre tread must be the same on one axle
- To meet the BMW standards, the vehicle should be equipped with tyres from the same manufacturer and with the same tyre tread (tyres approved by BMW) on all 4 wheels
- The difference in tyre tread depth on one axle must not exceed 2 mm (control quality of suspension control systems and wheel alignment requirement)
- The tyres with the higher tread depths must be mounted on the rear axle
- The DOT age difference must not exceed 4 years
- The tyre pressure must be adjusted when the tyres are exchanged

Wheel exchange between the axles

The wheels may be exchanged between axles to achieve even abrasion. However, BMW does **not recommend** switching the front wheels to the rear or vice-versa.

The wheel exchange may lead to the following customer complaints:

- complaints regarding acoustics
- Risk of increased lane groove sensitivity

Compliance with the following requirements is required when exchanging wheels between the axles:

- Assess the wear pattern
- The tread difference between the front and rear wheels must not exceed a maximum of 2-3 mm
- Exchange the wheels between the axles every **5000 Km**

Additionally for all-wheel drive vehicles:

- The tyre size, manufacturer and tyre tread must be identical on all wheels; different tyre sizes between front and rear axles are only permissible if mixed tyres are fitted.
- The tyre tread difference between tyres in all wheel positions must not exceed **2 mm** (normal quality of the wheel control systems and wheel alignment requirement)

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