

BMW Group - AIR: 2021-03-13 / 11:46
Dealer: 32711/06
Model: Cooper
Vehicle identification number: WMWZB3C50CWM29955
Development code: R60
Model code: ZB33
Lead type: ZB33

[Removing and installing/sealing cylinder head \(N16\)](#) » [Removing and installing or replacing the exhaust manifold \(N12, N16\)](#) » [Moving front panel into service position](#) » [Removing and installing/replacing front left acceleration sensor \(US version only\)](#) » [Removing and installing/replacing front left or right wheel arch cover](#) »

Remove or install front or rear wheel

REP-REP-RAR5636-3610300 - V.11

36 10 300 Remove or install front or rear wheel



Special tools required:

- 36 2 020
- 81 25 2 344 011



Important!

Wheel was balanced electronically.

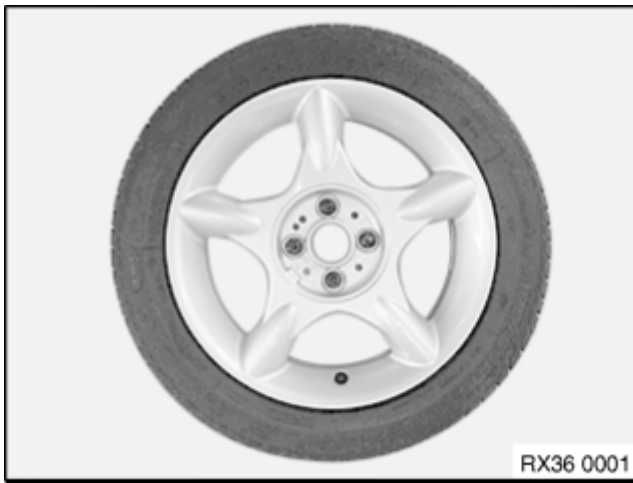
When fitting all four wheels (e.g. when changing from summer to winter wheels), check the tyre inflation pressure.

To avoid tyre damage, advise the customer to check the tyre pressures on a regular basis (see operating instructions).

Follow instructions on initialisation of the Run Flat Indicator (RPA).

Observe the following procedure to prevent clamping error and imbalance:

- Loosen wheel studs.
- The wheel is positioned such that the valve is at the bottom.

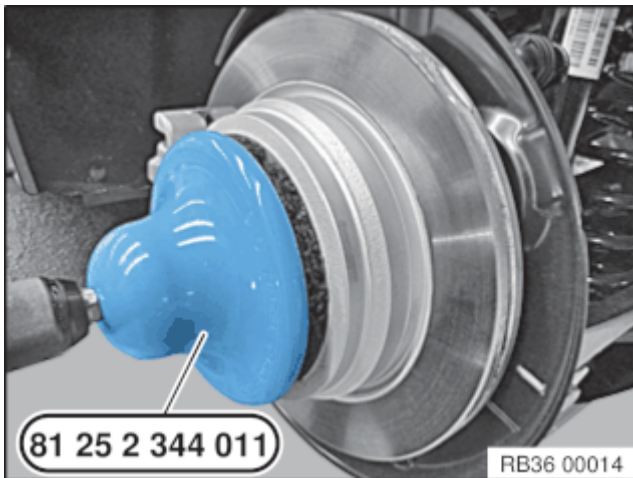


- If several wheels are removed simultaneously, mark with a piece of chalk on each tyre the axle and side on which the corresponding wheel is fitted.
- Mark alignment of wheel with respect to wheel hub.
- Mark position of lockable wheel stud.
- Release wheel studs and remove wheel.

Important!

Contact surfaces between:

- brake disc and disc wheel
- Brake disc and wheel hub must be clean and free from oil and grease.



Remove dirt, grease residues and corrosion from contact surface with a drill and special tool 81 25 2 344 011 .

Important!

Do not operate special tool 81 25 2 344 011 with an impact screwdriver!

Note:

Degrease contact surface with universal cleaner, refer to BMW Parts Department.

The brake disc must be removed and cleaned if grease residue is found in the area of the bore holes for the wheel stud holes.

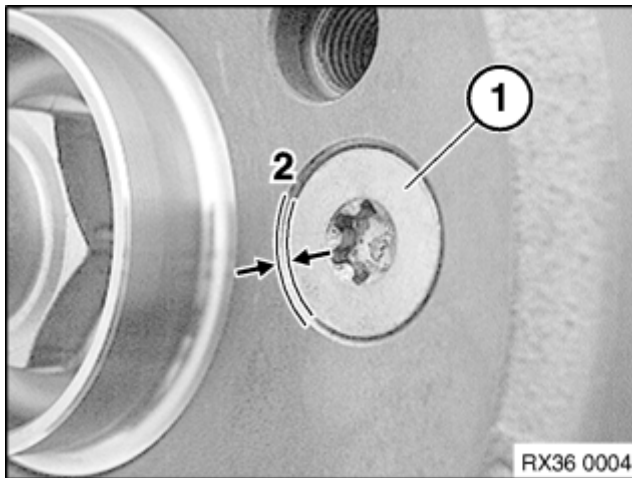
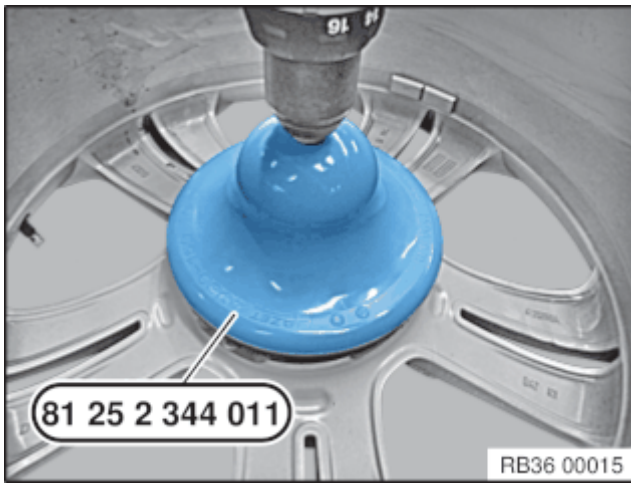
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Important!

Do not operate special tool 81 25 2 344 011 with an impact screwdriver!

Note:

Degrease contact surface with universal cleaner, refer to BMW Parts Department.



Check firm fit of brake disc retaining screw (1).

Important!

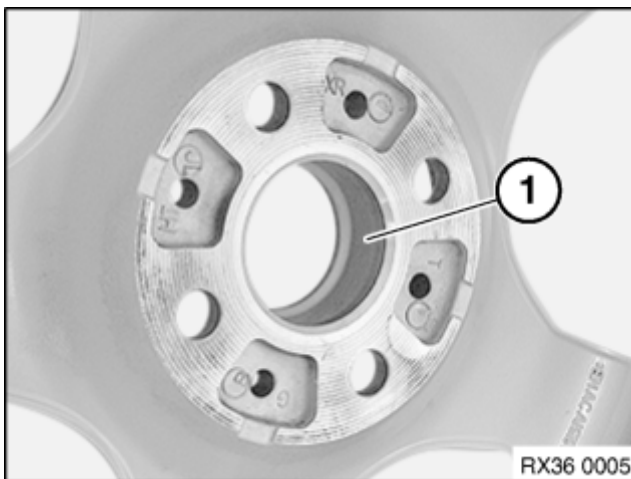
On no account must the mounting bolt(1) protrude over contact surface (2) between brake disc and disc wheel.

Front axle:

Tightening torque 34 11 1AZ.

Rear axle:

Tightening torque 34 21 1AZ.



Apply a thin coat of grease to wheel centring (1) in disc wheel.

Refer to BMW Operating Fluids, Main Group 36.

Note:

User matching adapter from tool set 36 2 020 (wheel stud adapter set) to release and tighten down the wheel stud with security code.



Important!

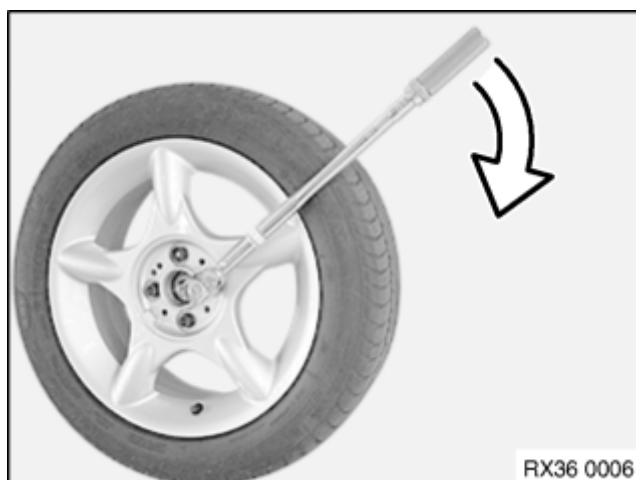
Under no circumstances use pneumatic or electric screwdrivers to install and tighten the wheel studs.

Do not apply oil to new wheel studs.

Installation note:

Clean wheel studs and check threads for damage, replace, if necessary.

Replace rusty wheel studs.



Important!

Wheel rim must rest uniformly against the brake disc.

In the case of non-original BMW wheel studs/rims it may be necessary to retighten the wheel studs on account of setting properties (refer to manufacturer's documents).

Tightening specifications:

1. Screw in wheel bolts and evenly tighten crosswise by hand in order to centre the wheel rim.
2. Tighten down wheel studs in crosswise sequence with a calibrated torque wrench to prescribed tightening torque 36 10 1AZ.
3. Check all the wheel bolts in the same order or retighten to the prescribed tightening torque again.

**Important!**

Changed wheel studs with a diameter of M14 and 17 WAF!

Observe change tightening torque 36 10 1AZ.

Lug bolts 103ftlbs 17mm