

INSTALLING AND REMOVING ALUMINUM WHEELS ON VEHICLE

General Information

Aluminum wheel nuts must be loosened and tightened only with special tool P 300.

The aluminum wheel nuts can shear by reason of:

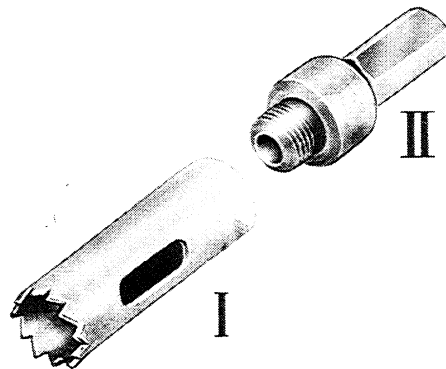
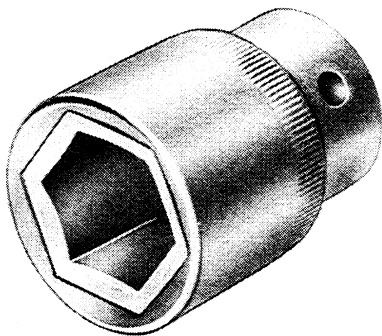
- use of unsuitable tools (the wheel nuts are held only by about 2/3 of total depth)
- excessive tightening torque
- excessively jerky loosening (impact wrench)
- lack of or unsuitable lubricant

If this were to happen, the calott would shear off of the wheel nut's hexagon exactly at the point of transition, thus impairing removal of the rim.

Installing and Removing Removal with Sheared - off Nut (s)

1. Always use a Special Tool P 300 in perfect condition. Other socket wrenches, wrench sockets, or wheel bolt wrenches must not be used. Impact tools must never be used, regardless of circumstances.

The rim can be taken off the wheel hub without damage using the tools listed below. However, damage to the wheel bolt(s) cannot be avoided.



2. Lubricate threads and calott with Optimoly TA.

3. Always tighten nuts to specified torque of 130 Nm (96 ftlb)

- I. Compass saw, 17.5 mm diameter. This tool can be used after grinding down and smoothing inside diameter (welding seam must be ground down).
- II. Shaft for mounting compass saw.
- III. Commercially-available hand drill.