



## **BimmerWorld Bulletnose Wheel Studs**

### **Installation and Use Guidelines for Street Use**

#### **IMPORTANT WARNINGS!**

- Wheel studs are not lifetime products. Metal fasteners have a fatigue life and should be inspected regularly and replaced periodically, depending on use. Inspect studs for cracks or thread damage.
- A wheel stud's life is measured in torque cycles (number of times you torque the lug nut).
- ALWAYS TORQUE NUTS COLD! – Torquing when components are hot will result in over-torquing after cool-down, reducing stud service life.
- Do not over-torque during install! Let the thread-locker do its job! Properly preparing the threaded surfaces as described will result in a strong joint that will endure throughout the stud's service life.
- One broken stud will put additional stress on the remaining studs, causing accelerated fatigue. If you break one stud on a hub, replace all remaining studs immediately.

#### **Install Tips**

**Thread-Locker:** Installation requires the use of red thread-locker (Loctite 271 or similar) that is to be applied by the installer. To be sure the new thread-locker bonds properly, clean each stud hole with a wire brush or thread tap to remove all traces of old thread-locker and debris. Follow with brake cleaner and compressed air as a final clean and degrease (wear safety goggles).

Thread-locker has a short working time! Turning a stud several minutes after install will cause the cured locker to fail, requiring the procedure to be repeated.

**Tightening:** Use double nutting technique outlined below to torque studs:

1. Apply thread-locker evenly to the short, threaded section of stud
2. Thread stud into hub hand-tight. The hex nose can be used for initial install only, not final torquing.
3. Thread one nut onto stud, leaving  $\frac{1}{2}$ " to  $\frac{3}{4}$ " thread between the nut and the hub face.
4. Thread on a second nut; butt against the first and tighten down, holding the first nut with a box-end wrench – tighten to approximately 60 ft-lb.
5. Using the second nut (farthest from the hub), torque stud between 40 and 50 ft-lb. If you cannot reach this torque level, further tighten the two nuts together.
6. Holding inner nut with wrench, loosen outer nut. Unthread both.

When using our studs, torque lug nuts to 75 ft-lbs.