




1. **Introduction:**

A. Proud Owner:

. You are now the proud owner of a Bro-Tek Wheel Spacers. These Wheel Spacers are made for your Kubota tractor front axle. It will outlast your original Kubota tractor & be ready for your next one. Please read these instructions, before installing the Wheel Spacers. The Wheel Spacers have been designed for easy installation on your Kubota. Wheel Spacers are a bolt-on item. Unit will be shipped complete in a box, all hardware included.

B. Feedback:

. We would love any feedback that you could give us (Positive/Negative), to improve our product line. Please email us your comments/pictures too: bro-tek@hotmail.com or you can reach us at www.bro-tek.com

2. **Safety Precautions:**  **Important Safety**

- A. Park on a firm level area.
- B. Stop engine, set brake, remove key and wait for all moving parts to stop before servicing, adjusting or unplugging.
- C. Block up before working beneath unit.



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3. Tools/torque/Parts required:

- A. **Wrenches** or **socket** (3/4", 13/16" & 7/8")
- B. **Torque wrench** (capacity rating range 0-120 Lb-Ft =130N/M).
- C. **Floor Jack & Jack stands.**
- D. **Pry-bar** or **round pipe** (see pic below).
- E. **Loctite, Medium Strength Thread locker (Blue)**

4. Assembly Instructions:

A. Once you have followed the safety precautions & have removed the Wheel Spacers from its packaging, please take notes of all the parts & follow the assembly instruction.

B. Free up work place of all disturbances & clutter. Take your time installing it (This can be easily be done by one person in 20 to 25 minutes).

C. Before lifting the tractor with the jack, break loose the nuts on the wheels targeted for spacer installation.

D. If you have the Loader on, save yourself some time & use it lift the axle. For those without a loader, jack up & place the jack stand on the tractor.

⚠ Jack stands must be stable/secure place on the tractor/ground

E. It's now the time to remove the tire.

⚠ **Caution** if you have loaded tires and haven't taken them off before then beware, they can be VERY heavy. Make sure that the jack stands are stable before removing the wheel.





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F. The factory Stud/bolts treads are 14mmx1.5 tread, We have supplied new Tapered Lug nut 14mmx1.5 use these to install the spacer to the axle



Now is a good time to test fit the spacer to the Axle & then to the wheel rim. The spacer should make full contact to the axle & the nuts/lug bolt has full tread contact ⚠, it's much easier to sort any problems without having anything bolted down.

If everything looks good add some Loctite to studs ⚠,

G. To install the spacers, you will need a long bar to hold the axle from turning, be ⚠ careful not to damage the wheel spacers stud tread (a Wooden bar or a rag/rubber around the steel bar will help protect the treads, add Thread locker to the bolts.

Get your socket & make sure to use the supplied Lug bolt that came with the spacers. ⚠ the Nuts have a tapered end, make sure only tapered Nuts are used to install the spacers to the axle.

⚠ Please take the time to make the install/Torque bolt in 3 steps. First hand tightens the bolts; Second torque the bolts to half the torque in a crisscross/Star pattern & finally torque the bolt to their final value of 110 ft. lbs for the spacers to the axle.

H. Get your socket & add Loctite to the studs on the spacer. Install the rim/wheel & now use the new nuts from the spacer, making sure they are flip to the proper end. Torque the nuts to 110 ft. lbs for the rim in the same 3 steps as above.

Save these ⚠ Instructions/Safety Manual ⚠ owner/operator/installer

I. Check clearances around the Wheel, no point of contact should be noticed. Make sure to fully turn the steering left/right.

J. Check everything out for clearances & binding. Recheck nuts & bolts after the first 20 minutes of travel & at your regular oil change.

Our recommendations would be to make witness marks after installed, using a paint pen on the back side of the axle lug bolts & also on the studs /lug nut of the wheel side. Make for an easy inspection of the tractor.



5. **Congratulations:**

You have successfully installed your Bro-Tek Wheel Spacers. I hope this was a pleasant experience & that you would recommend this product to all of your tractor friends. The Wheel Spacers can remain on the tractor, for all the preventative maintenances & the every day use.

6. **Thank you:**

We would like to thank you for supporting us & hope to do future business with you with our new upcoming line of products.