



NEW HOLLAND  
[www.bro-tek.com](http://www.bro-tek.com)

**Bro-Tek**  
-Making tractors parts our business

Skid Steer



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[Bro-Tek@hotmail.com](mailto:Bro-Tek@hotmail.com)



1. **Introduction:**

**A. Proud Owner:**

. You are now the proud owner of a Bro-Tek Wheel Spacers. These Wheel Spacers are made for your skid steer axle. With proper care, the spacers should outlast your original 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 tractor. Wheel Spacers are a bolt-on item. Unit will be shipped complete in a box, all hardware included. Designed to be very easy to install.

**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](mailto:bro-tek@hotmail.com) or you can reach us at [www.bro-tek.com](http://www.bro-tek.com)





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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.
  
3. **Tools/torque/Parts required:**
  - A. Socket 21mm, 24mm, 3/4", 7/8" & 15/16"
  - B. Torque wrench (150 Lb-Ft).
  - C. Floor Jack & Jack stands (proper rating).
  - D. Pry-bar or round pipe.
  - A. 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 (see main photo on first page) & follow the assembly instruction.
  
  - B. Free up work place of all disturbances & clutter. Take your time installing it (This can be easily being done by one person in 20 to 25 minutes).
  
  - C. Before lifting, with the jack, the tractor, break lose the nuts on the rear wheels, this will help out.
  
  - D. If you have the backhoe on, you can save yourself some time & use the stabilizer of the backhoe to lift the rear. For those without a backhoe, 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 axle has 8 studs per axle with the cone shape Nut. Our spacer has M16x1.5 which has the supplied nuts on the spacers, which has the taper/cone seat, these gold nut must only be used to mount the Wheel to the Spacer.

**⚠** Use the OEM lug nut M16x2 to mount the Spacer to the Axle. Not the Gold Nut on the spacer!

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 rim hole may have to be file a very small amount to clear the spacer lug. It's much easier to sort any problems without having anything bolted down. If everything looks good it's time to start the install.

**⚠** do not mix the two types of nuts. You should now have the factory nuts (bigger) & golden Taper nuts from the Spacer.  
Reuse the factory lock washer if applicable in Step "H" to install the rim





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G. To install the spacers, you will need a long bar to hold the axle from turning (leave in gear & hand brakes on), add Thread locker to the Studs. Get your socket for the OEM lug nut & make sure to use the original OEM Lug Nuts which must have cone shape toward the spacers.

 (cone seat)


 Please take the time to make the install in 3 steps. (24mm Socket) First hand tightens the bolts; Second torque the bolts to half the torque in a crisscross pattern & finally torque the bolt to their final value of 140 ft. lbs for the rear's wheels.

H. Get your Tire/Rim & add Loctite to the 8 studs on the spacer. You will need to use the new gold nuts to install the rim/wheel. Torque the nuts to 140 ft. lbs for the rear wheels in the same 3 steps as above.

We have found that having a metal shovel and rolling the tire onto it, makes the job of lining up everything must easier. One can slide the tire around, pry & lever the tire into place.

I. Check clearances around the Wheel, no point of contact should be noticed.

J. Check everything out for clearances & binding. Recheck nuts & bolts after the first 2 hours of travel & at your regular oil change.

 A **low speed** test drive on a bumpy terrain with steering fully rotated should reveal any problem area. Make sure to **correct the problem before any other driving**.





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



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

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 & everyday 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.