

## INSTALLATION OF FRONT SIMULATOR WITH BRIDGE BRACKET MOUNTING FOR 22.5 / 24.5 HUB PILOTED WHEELS



### VERY IMPORTANT – DO NOT INSTALL SIMULATORS ON DAMAGED WHEELS.

Before installing, read our Wheel & Tire Inspection Guide (or scan QR Code) to determine if there are any issues with your wheels and tires.

### BEFORE INSTALLATION

**Inspection:** Before installation, inspect all parts for shipping damage. If any of the parts appear damaged or questionable, DO NOT INSTALL! Contact your dealer or our facility for a replacement part or assistance. **Once a product is installed, it cannot be returned because of shipping damage.**

**Cleaning:** Before installing Simulators we recommend cleaning the wheels so the mounting bracket attaches to a clean surface.

**Important:** Read and understand all installation instructions prior to installation. If any part of the instruction seems unclear, contact our office for assistance. (Monday – Friday 8am to 4:30pm CST at 800-982-1180 or 847-662-7722)



### DIGITAL INSTRUCTIONS

For a digital version of the instructions to be able to zoom in on photos, scan the QR code.

### AFTER SIMULATORS ARE INSTALLED

After the Simulators have been installed, they should be inspected regularly, verifying they are tight and secured to the wheel. Every few weeks the simulators should be removed for inspection. **NOTE:** If there is damage to the lip of the simulator, the lip of the wheel may be damaged as well. Make sure to thoroughly inspect the wheel for any damage that could have occurred to the wheel (See our Wheel & Tire Inspection Guide). If any wheel is damaged do not reinstall the simulator until the damaged wheel is repaired or replaced. Also inspect the mounting brackets, make sure all screws and nut connections are tight. Check brackets for excessive wear, hair line cracks, etc. If braided stainless steel air valves are installed, they should be inspected for fraying and excessive wear, as well as secure connections with the rim air valves.

### CARE & REQUIRED MAINTENANCE

Use of harsh chemicals and strong acid-based soaps should never be used. On a regular basis we recommend the Simulators be washed front and back with mild automotive car or truck wash soap and water. For added protection and shine it's recommended to periodically wax the polished front side of the simulators.

### TOOLS NEEDED

- 1-1/4" Socket/Wrench
- Phillips Head Screwdriver

### STEP 1: INSTALLING THE BRIDGE BRACKETS

Place the front mounting brackets on top of two lug nuts directly across from each other. (See Figs. 1A & 1B) **IMPORTANT:** Position bracket as shown with larger curved radius corners toward axle and with the pressed-in nut on the backside of the bracket facing the wheel. (See Detail A)



**IMPORTANT:** Make sure the pressed-in nut on the backside of the bracket is facing the wheel.

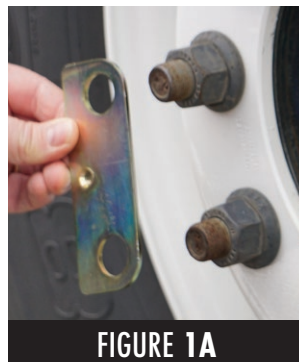


FIGURE 1A

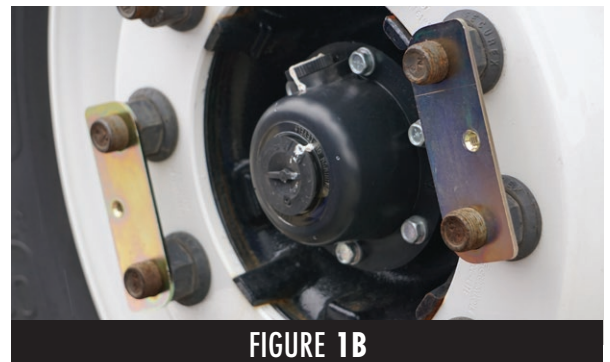


FIGURE 1B

*Continued on back*

## STEP 1: INSTALLING THE BRIDGE BRACKETS CONTINUED

Next, thread two jam nuts over each of the brackets onto the wheel studs and tighten securely with a 1-1/4" socket. (See Fig. 1C, 1D & 1E)



FIGURE 1C

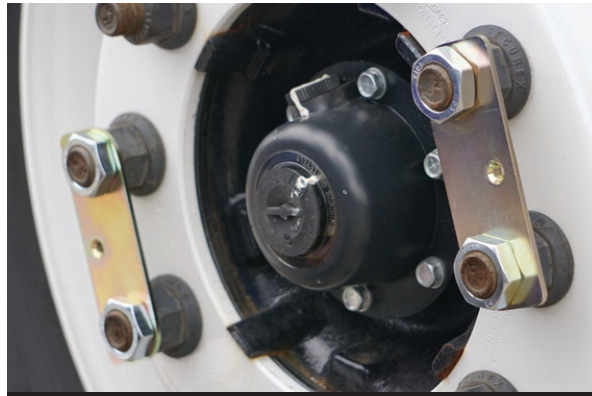


FIGURE 1D



FIGURE 1E

## STEP 2: MOUNTING THE SIMULATOR TO THE BRIDGE BRACKETS

Place wheel simulator onto the wheel making aligning the holes in the simulator with the threaded holes of the mounting brackets. (See Fig. 2A) Thread two Phillips head screws with lock washer through the simulator and into the threaded holes of the mounting brackets. Tighten securely. (See Fig. 2B) At this point, the simulator must be tight to the rim edge and true and even all the way around the rim edge. Repeat the same process on the other wheel and you're finished.



FIGURE 2A



FIGURE 2B

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