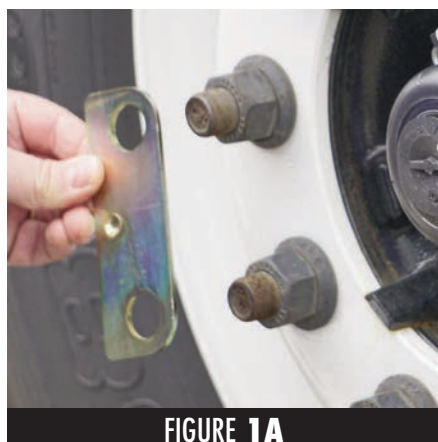


**FRONT SIMULATOR WITH BRIDGE BRACKET MOUNTING FOR 22.5 / 24.5 HUB PILOTED WHEELS****VERY IMPORTANT! Read And Understand These Steps Before Installation.****FIGURE 1A****FIGURE 1B****FIGURE 1C****FIGURE 1D****FIGURE 1E****FIGURE 2A****STEP 1****Installing The Bridge Brackets**

- 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)
- 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)

**DETAIL A**

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

**FIGURE 2B****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.

See next page for installation of Rear Simulators.

REAR SIMULATOR WITH BRIDGE BRACKET MOUNTING FOR 22.5 / 24.5 HUB PILOTED WHEELS

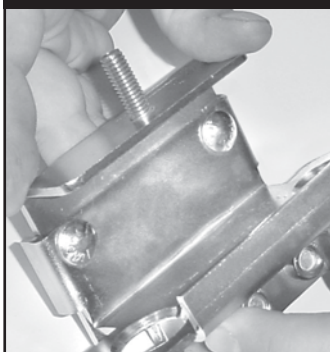
BEFORE YOU BEGIN— SET BRACKET DEPTH

Brackets come preassembled and set in the Center Position for 22.5x8.25 Wheels. Depending on your wheel size, set bracket accordingly:

- 22.5 x 7.5—lowest position
- 22.5 x 8.25—center position
- 22.5 x 9—highest position

Then securely tighten the two nuts on the bracket.

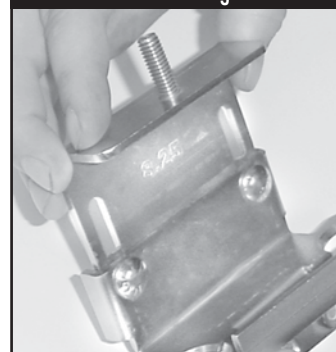
22.5x7.5 Wheels—Lowest Position



22.5x8.25 Wheels—Center Position



22.5x9.00 Wheels—Highest Position



Note: Bracket style shown above for illustrative purposes only. Your bracket style may vary.



FIGURE 1A



FIGURE 1B

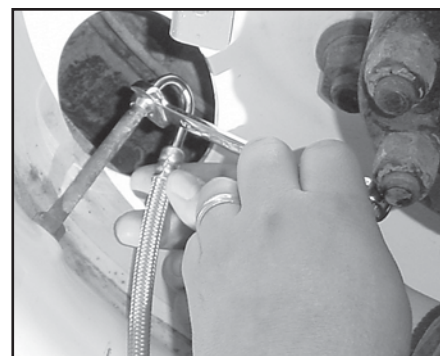


FIGURE 1C

Step 1. Installing Air Valve Extensions (Optional)

If you are using SS Braided Air Valve Extensions, begin by removing the valve caps off the wheel valves. Then install the straight SS Braided Extension onto the inner wheel air valve. (See Fig. 1A) **Note:** Make sure to install the SS Braided Valve Extensions directly to the wheel air valves. Remove any existing solid valve extensions. **Note:** A small amount of air will escape during installation until valve seal

is made. Once the air stops leaking, a 1/2" wrench may be used to snug the extension to the valve stem. One full turn is all that is required. (**Important:** The valve seal may be damaged if you over tighten.) Next, attach the air valve extension with the U shaped end to the (outside wheel) valve stem and tighten. (See Figs. 1B and 1C). After installation, check all fittings to insure there are no leaks.



FIGURE 2A



FIGURE 2B



FIGURE 2C

STEP 2— Installing The Bridge Brackets

Place each of the rear bridge brackets on top of two lug nuts directly across from each other. If you have installed air valve extension, position brackets so extensions will reach air valve tab on bracket. (See Figs. 2A) **Important:** Position brackets

as shown with air valve tabs facing out toward the wheel. Next, thread two jam nuts over each of the brackets onto the wheel studs and hand tighten. (See Figs. 2B & 2C)

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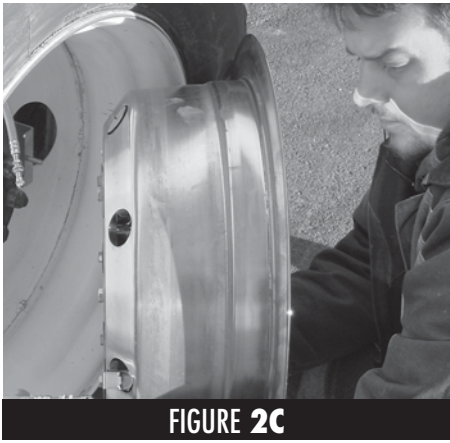


FIGURE 2C



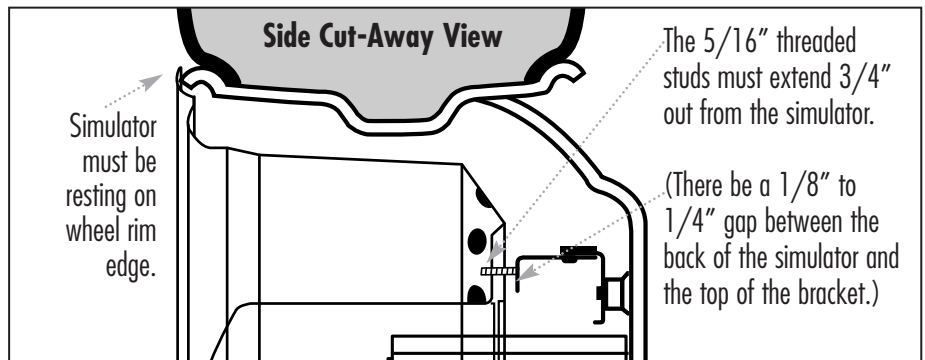
FIGURE 2D



FIGURE 2E

STEP 2 (Continued) — Test Bracket Height — Securely Tighten Jam Nuts

You will need to verify that the bracket is set to the correct height. Hold the simulator up to the wheel and align the two 3/8" holes of the simulator with the two 5/16" threaded studs on the brackets. (See Fig. 2C) Continue to place the simulator onto the bracket studs until the simulator is fully onto the bracket studs and wheel. (See Fig. 2D)



At this point, the simulator must be tight to the rim edge and true and even all the way around the rim edge. In addition the 5/16" threaded studs must extend 3/4" out from the simulator. (See Side Cut-Away View above) If the simulator is not tight to the rim and if the threaded studs do not extend 3/4", remove simulator and adjust the height of the bracket.

Once bracket height is verified, remove simulator and tighten all four jam nuts securely with a 1-1/4" socket. (See Fig. 2E)

STEP 3 Attaching Air Valve Extensions to Air Valve Tabs (Optional)

Begin by loosening the two nuts on the braided SS air valve extension so they have a space between them. The split lock washer should be on the bottom nut. (See Figs. 3A & 3B)

Then place one of the braided SS extensions into the slot of the Air Valve Tab. (See Fig. 3C)

Next using two 7/16" wrenches, tighten the two nuts onto the Air Valve Tab. (See Fig. 3D)

Repeat process on opposite Air Valve Tab. (See Fig. 3E)

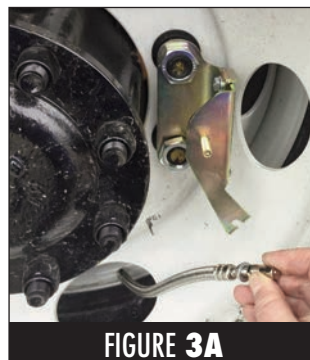


FIGURE 3A

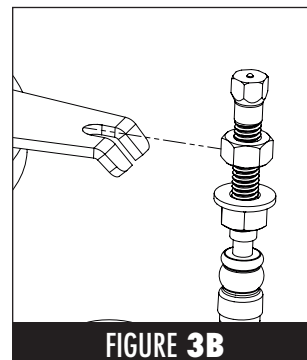


FIGURE 3B

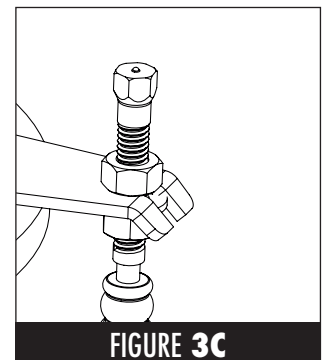


FIGURE 3C

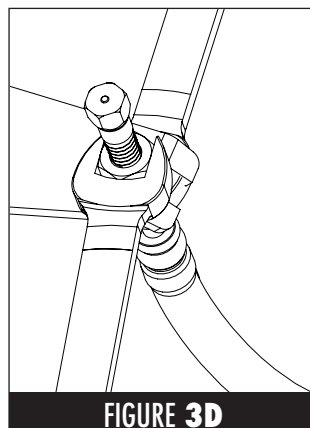


FIGURE 3D



FIGURE 3E

Continued on next page.

Step 4

Installing The Simulator Onto The Bracket And Wheel

Hold the simulator up to the wheel and align the two 3/8" holes of the simulator with the two 5/16" threaded studs on the brackets. (See Fig. 4A)

Continue to place the simulator onto the bracket studs until the simulator is fully onto the bracket studs and wheel. (See Fig. 4B)

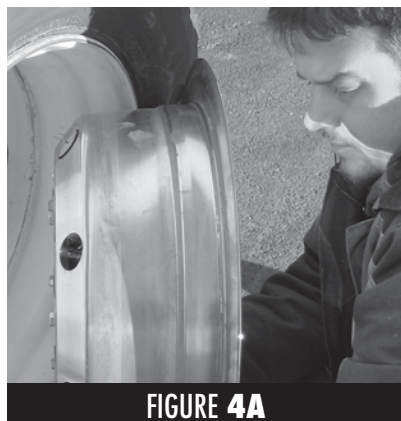


FIGURE 4A

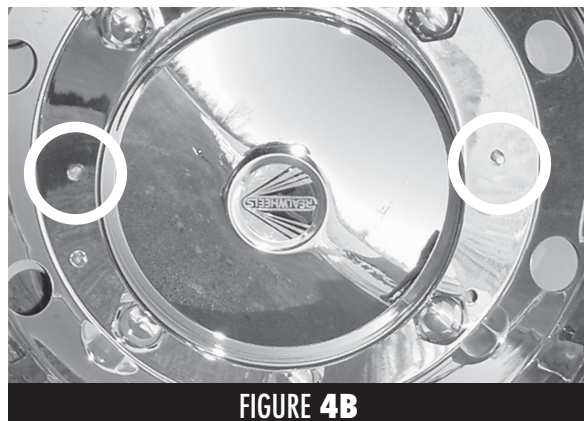


FIGURE 4B

Next place a flat washer and 5/16" serrated nut onto each bracket stud, and begin alternating tightening these 5/16" nuts. (See Figs. 4C, 4D & 4E) As you tighten the 5/16" serrated nuts, the simulator will draw down to the bracket, the gap

between the back of the simulator and the top of the bracket will then be eliminated. At this point, the simulator must be tight to the rim edge and true and even all the way around the rim edge.



FIGURE 4C



FIGURE 4D

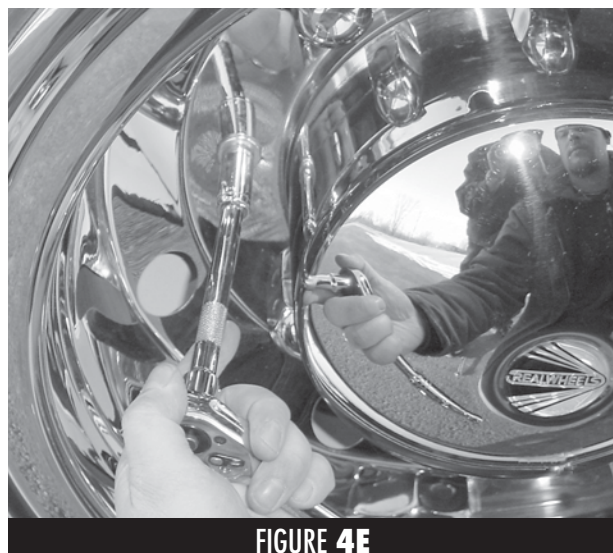


FIGURE 4E

Step 5

Installing Lug Nut Covers

After the 5/16" serrated nuts have been tightened securely, install lug nut covers in the following order:

- Thread the poly-mounts onto the excess portion of the bracket studs until they are tight over the previously tightened 5/16" serrated nuts. (See Fig. 5A)
- Next firmly push the Stainless Steel Lug Nut Covers onto the poly-mounts. (See Fig. 5B)

IMPORTANT: Wheel simulators and brackets should be checked and inspected periodically to make sure that they are tight and secure to the wheels. If necessary, retighten the mounting bolts and nuts.

Reverse process to remove simulators.



FIGURE 5A



FIGURE 5B

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