

**REAR WHEEL SIMULATORS WITH TURN & LOCK BRACKET FOR 6-LUG BALL SEAT WHEELS****INSPECTION & RECOMMENDED CLEANING**

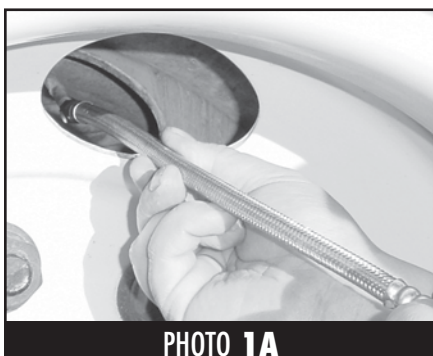
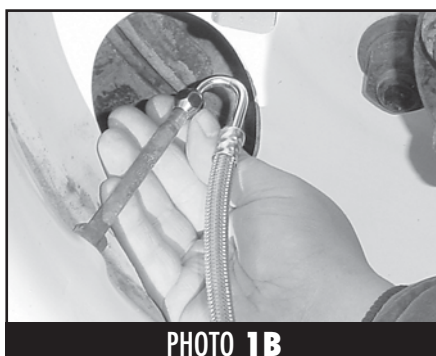
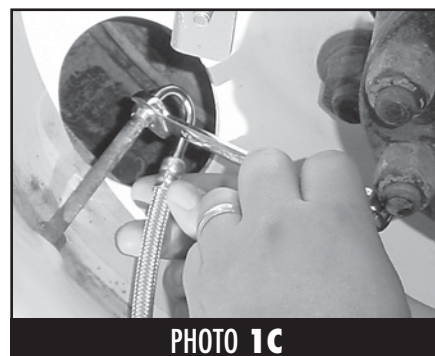
- Inspect all parts for shipping damage before installation. If any of the parts appear damaged or questionable, **DO NOT INSTALL!** Contact your dealer or our facility for a replacement part or assistance. **Once a product is installed, it cannot be returned because of shipping damage.**
- Before installing Simulators we recommend cleaning the wheels so the mounting bracket attaches to a clean surface.
- Read and understand all installation instructions prior to installation. If any part of the instruction seems unclear, contact our office for technical assistance during business hours Monday through Friday 8am to 4:30pm CST at 800-982-1180 or 847-662-7722.

AFTER SIMULATORS HAVE BEEN 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, thoroughly cleaned; and an inspection of the wheels, Simulators and mounting brackets should be preformed. 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 with mild automotive car or truck wash soap and water.

**PHOTO 1A****PHOTO 1B****PHOTO 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 Photo 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 Photos 1B and 1C). After installation, check all fittings to insure there are no leaks.

**PHOTO 2A****PHOTO 2B****PHOTO 2C****Important Note**

Position the built in air valve tab on the bracket one (1) hand hole away from the hand hole with the air valve. If you are using extensions, this will allow the extensions to comfortably reach integrated air valve tabs on brackets without stretching or crimping. If you aren't using extensions, this will allow you to reach through simulator cut-out to access air valve.

Step 2. Installing Brackets—Note: Your bracket may differ slightly from photos. Same general instructions still apply. **Note:** Do not remove lug nuts. Larger openings of bracket base will clear lug nuts.

Begin by placing the larger openings of bracket base over the lug nuts. (See Photos 2A & 2B) Then rotate the bracket counter-clockwise until the smaller openings of the bracket base lock under the tapered area of the lug nuts. (See Photo 2C) **Note:** You may need to use a rubber mallet to tap bracket until the smaller openings of the bracket base lock under the tapered area of the lug nuts.

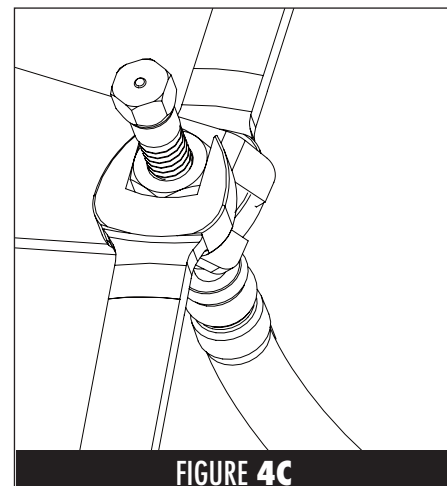
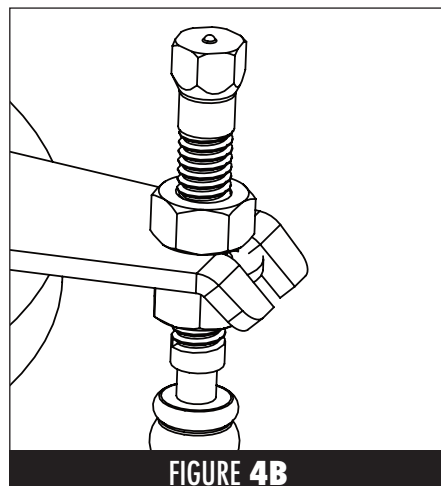
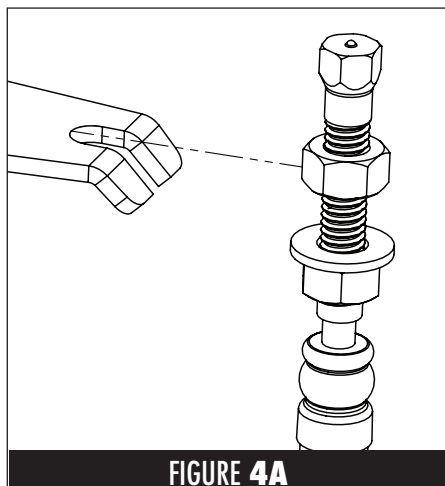
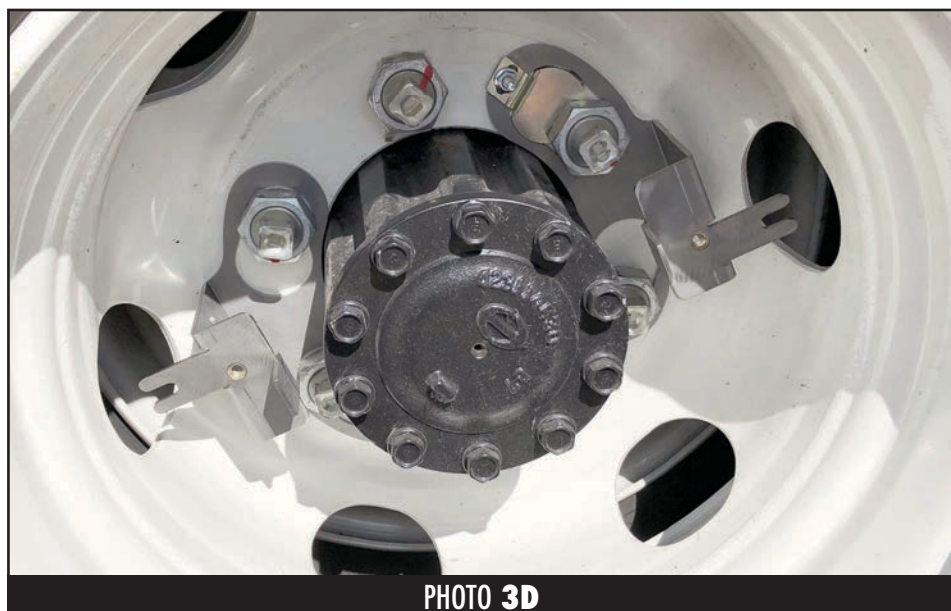
Repeat this process for the for second bracket directly across from the first bracket.

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Step 3. Installing Bracket Locking Tabs

Insert one of the bracket locking tabs into the cavity of the bracket base with the threaded stud. (See Photo 3A) **Note:** Insert locking tab so tab is flush with bracket base. Thread nut onto the threaded stud and tighten using a 7/16" socket. (See Photos 3B & 3C) Repeat this process for the other bracket locking tab on the other bracket. (See Photo 3D)



STEP 4. 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 Fig. 4A) Then place one of the braided SS extensions into the slot of the Air Valve Tab. (See Fig. 4B) Next using two 7/16" wrenches, tighten the two nuts onto the Air Valve Tab. (See Fig. 4C) Repeat process on opposite Air Valve Tab.

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STEP 5. Installing the Simulator onto the Brackets



PHOTO 5A

Align holes in Simulator with the holes in the bracket. Make sure the simulator is held up and evenly spaced around the rim edge. (See Photo 5A)



PHOTO 5B

Thread bolts with star washers (provided) through Simulator and into bracket holes. (See Photo 5B)



PHOTO 5C

Then use a phillips head screwdriver to securely tighten the bolts. (See Photo 5C)

Note: There will be 1/8" minimum gap between the back of the wheel simulator and the top of the bracket top plate. This is designed so that the wheel simulator draws down to the bracket when tightened.



PHOTO 5D

Repeat for the remaining wheel and you're finished. (See Photo 5D)

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