

## ADJUSTABLE RING MOUNTING SYSTEM (RWUN2001XK, RWUN2001DK, RWUN2401XK, RWUN2401DK)

### TOOLS NEEDED

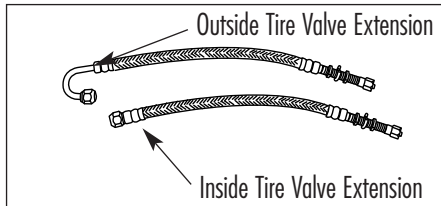
7/16" Wrench • 1/2" Socket Wrench

### VERY IMPORTANT

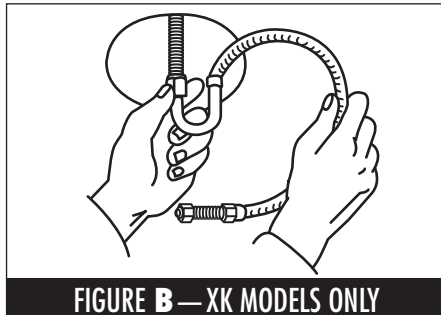
**Read And Understand These Steps Before Installation!**

### Step 1.

**Installing Valve Extensions (XK Model)  
 Double Ended Valve Caps (DK Model)**



**FIGURE A — XK MODELS ONLY**

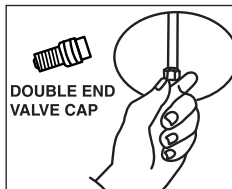


**FIGURE B — XK MODELS ONLY**

**XK Models**— Make sure to install the S.S. Braided Valve Extensions directly to the wheel air valves. Remove any existing solid valve extensions. Next, attach the air valve extension with the "straight fitting" to inner wheel first. (See Fig. A) This should be installed directly to the wheel air valve stem. **Note:** A small amount of air will escape during installation until valve seal is made. Once air stops leaking, use a 1/2" wrench to snug hose to valve stem. One turn is all that is required. **The valve seal may be damaged if you overtighten.** Next, attach air valve extension with U-shape end to (outside wheel) valve stem. (See Fig. B) After installation, check all fittings to insure there are no leaks.

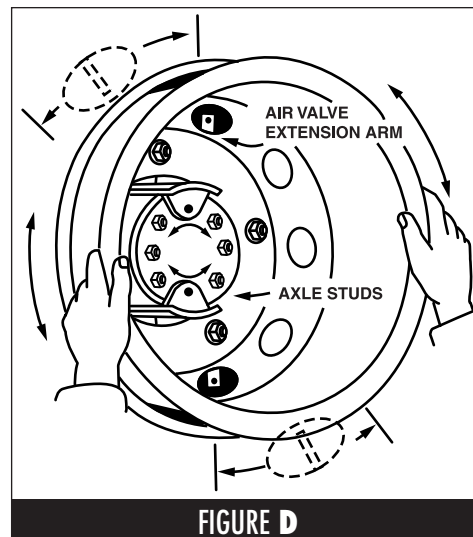
### DK Models —

Remove valve caps and install double end valve caps. (See Fig. C)



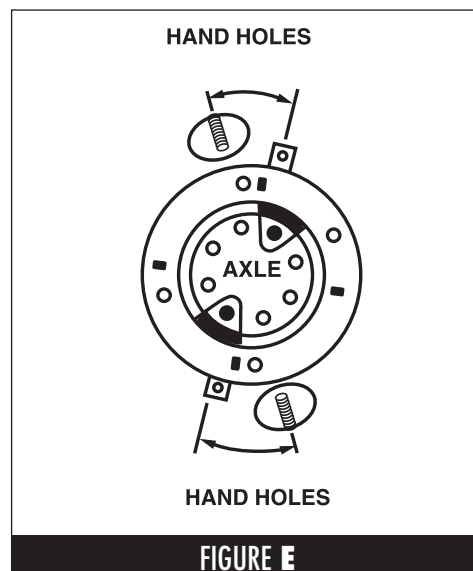
**FIGURE C — DK MODEL**

### Step 2. Find Correct Position



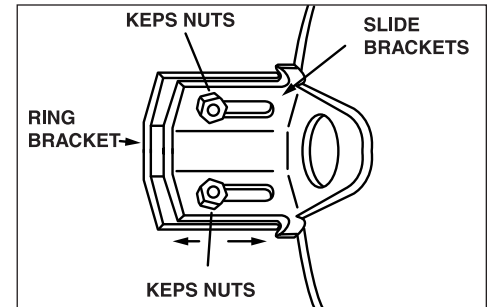
**FIGURE D**

Simulator and mounting ring are loosely assembled together for ease of installation. Place the simulator and ring assembly onto the wheel and rotate it until the valve extension arms are just to the right or left of the hand holes in the wheel that contain the air valve extensions. (See Fig. D) At the same time identify two axle studs that position themselves closest to the slide bracket holes. (See Fig. E) Next, take the simulator off of the wheel and remove the two axle nuts that were previously identified. **NOTE:** The mounting ring brackets are pre-set at the factory to a 7" bolt circle. If this 7" setting does not line up with your axle bolt circle, loosening the nuts on the "BACK" of the mounting ring allows adjustment of the bolt circle from 7 1/4" to minimum of 5 1/4".



**FIGURE E**

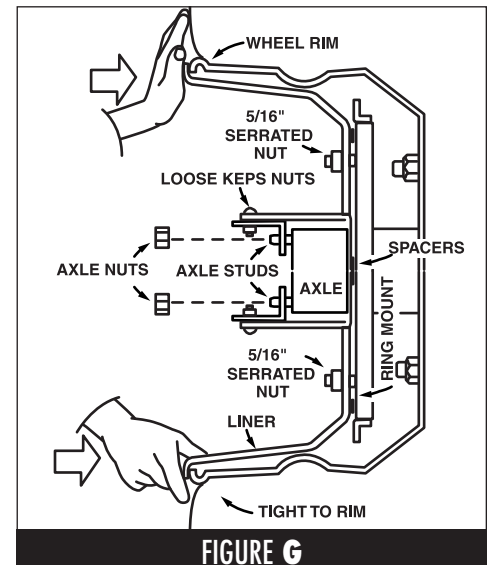
### Step 3. Loosen Keps Nuts



**FIGURE F**

The slide brackets are factory shipped semi-tight. Before proceeding, loosen the keps nuts and make sure slide brackets move easily in slots. (See Fig. F)

### Step 4. Secure Brackets



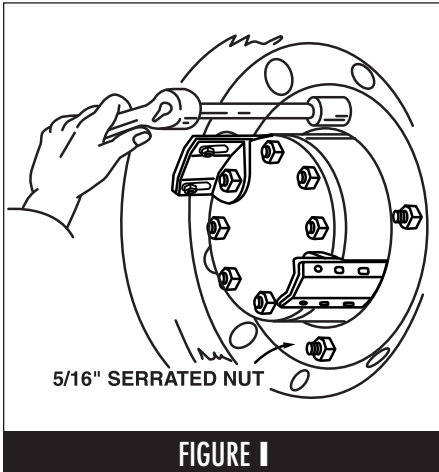
**FIGURE G**

Install the simulator on the wheel with the brackets on the axle studs from which the axle nuts have been removed. Replace the axle nuts and tighten them securely. With the keps nuts loose, push the liner into the wheel as far as it will go, making sure that it is tight against the wheel all the way around the rim. (See Fig. G) **TIGHTEN THE 2 KEPS NUTS ON EACH BRACKET SECURELY.** (See Fig. H) **NOTE:** On some wheels the 1/4" carriage bolts on the slide brackets may have to be moved to another square hole to allow the liner to fit tight against the rim.



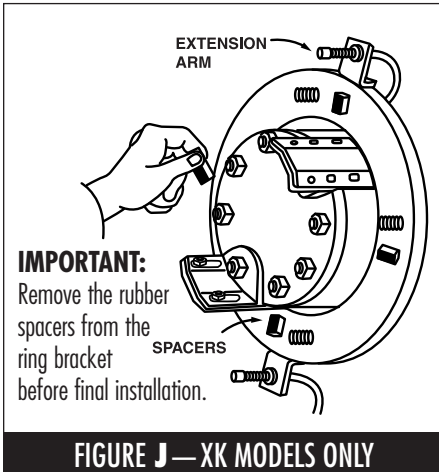
**FIGURE H**

### Step 5. Remove The Serrated Nuts And Liner



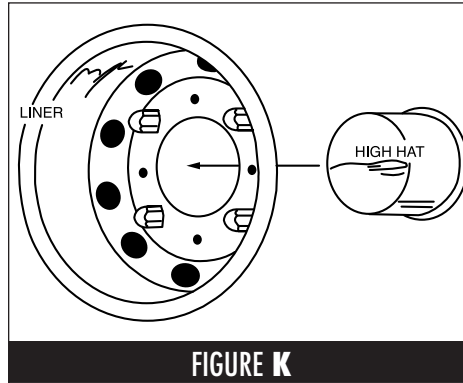
With a 1/2" socket, remove the four 5/16" serrated nuts on the liner and remove the liner from the wheel and ring bracket. (See Fig. I)

### Step 6. Secure Valve Extensions (For XK Models Only)

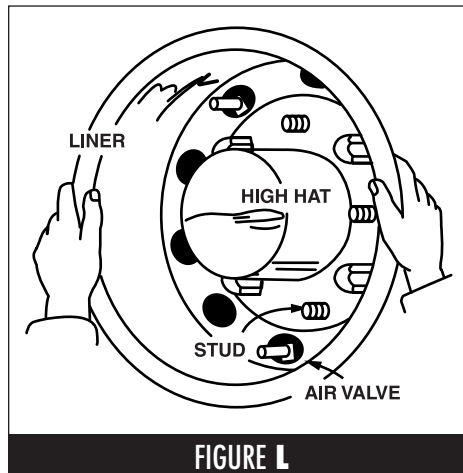


**VERY IMPORTANT:** Remove the rubber spacers from the ring bracket (See Fig. J) and with a 7/16" wrench, attach the air valve extensions to the valve extension arms on the mounting ring. **NOTE:** Adjust back nut all the way down to the bottom of the thread and make sure 5/16" lock washers are installed on the outside, after the valve extensions have been inserted through extension arms. Secure valve extensions with remaining nuts.

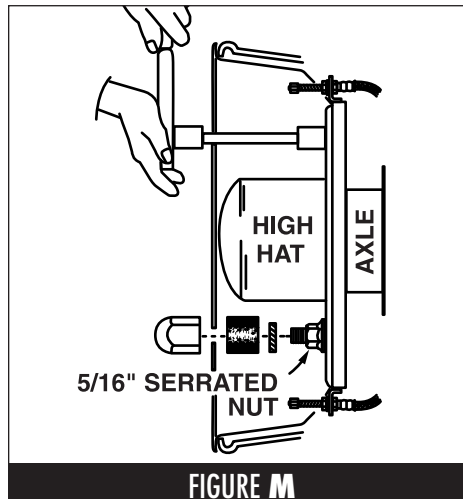
### Step 7. Position High Hat And Mount Simulator



Carefully slide the high hat into the simulator. (See Fig. K)

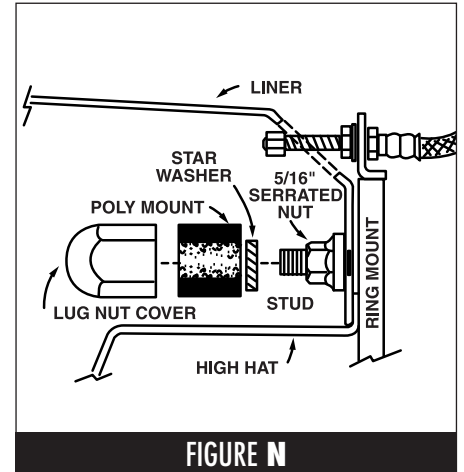


Then place the simulator and high hat together back onto the 4 studs of the mounting ring (See Fig. L)



Next, attach the four serrated 5/16" nuts with socket wrench. **NOTE:** Make sure to alternate tightening until all four serrated nuts are tight. (See Fig. M)

### Step 8. Install Lug Nut Covers



**In the following order:** Fit the internal STAR lock washers over the 5/16" nuts, HAND SCREW the poly mounts over the 5/16" nuts, and then press the stainless steel lug nut covers over the poly mounts until they bottom out against the simulator. (See Fig. N) You will notice that the air valve extensions automatically line up with the holes in the liner for easy access using a standard air chuck. For removal of simulator, you will note that the four lug nut covers installed over the poly mounts are slightly different.

**VERY IMPORTANT:** Check to see that the liner is even and snug to the rim all the way around the wheel, it is recommended that you check installation after 200 miles and periodically thereafter.