



# AllTrek 4000™ TRIPLE

## INSTALLATION INSTRUCTIONS



\* Triple axle **AllTrek 4000™** cannot be used with Correct Track.

\* Triple axle **AllTrek 4000™** cannot have items hanging down under the frame between the equalizer hangers.

### PARTS LIST:

- (2) **AllTrek 4000™** Equalizers

### TOOLS REQUIRED:

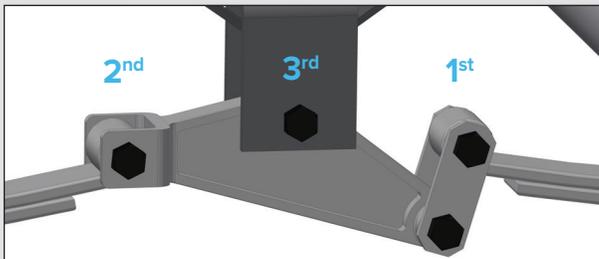
- Torque Wrench • Floor Jacks • Safety Stands • 1/2" Socket • 1/2" Wrench • 9/16" Socket • 9/16" Wrench • 11/16" or 3/4" Socket • 13/16" Wrench • Hammer • Ratchet

### Step 1

Loosen all lug nuts. Using appropriately rated jacks, raise the unit and support the frame with safety stands. Support the axles with floor jacks and remove all wheels.

### Step 2

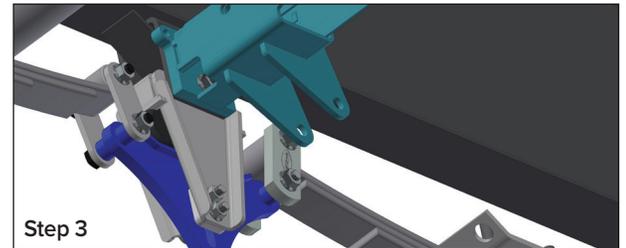
On the curbside of the unit, use an 11/16" or 3/4" socket and 13/16" wrench and remove the shackle links from the front leaf spring, remove the shoulder bolt from the center leaf spring, and then remove the shoulder bolt from the top of the equalizer.



### Step 3

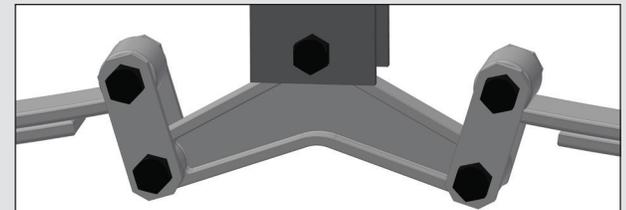
Replace the equalizer with the **AllTrek 4000™** using one of the 3.4" long wet bolts (shoulder bolt with grease zerk) included in the installation kit. The threaded end of the bolt will face the inside of the trailer. Slide the Outer Torque Cross Member (cross member with slots and ears) onto the end of the bolt, then install the 7/16-20 or 1/2-20 Flange Locknut. Reinstall the front shackle links and install a new Shackle Link Assembly and loose Shackle Link along with the 7/16-20 or 1/2-20 Flange Locknuts. Do not torque any of the nuts.

**NOTE:** Use a hammer to tap the wet bolts into the frame hangers. Use a small diameter socket to fit over the grease zerk and tap the bolt in place (it is important not to damage the grease zerk) or remove the zerk, tap the bolt in place, and reinstall the zerk. Make sure the grease exit hole in the shoulder of the bolt faces the 3 or 9 o'clock position for proper grease flow.



### Step 4

Remove the floor jack from the front axle and use it to support the rear axle. Then, remove the shackle links from the rear equalizer, then remove the shoulder bolt.



### Step 5

Replace the stock equalizer with the **AllTrek 4000™** using one of the 3.4" long wet bolts. The threaded end of the bolt will face the inside of the trailer. Slide the Inner Cross Member (cross member with holes) onto the end of the bolt, then install the 7/16-20 or 1/2-20 Flange Locknut. If 3/4" socket is used to torque wet bolts, torque to 80 ft-lbs (Reinstall the shackle links).

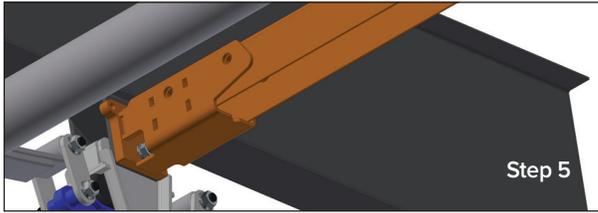


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### Step 6

Starting at the front of the frame and moving rearward, repeat steps 2-5 on the opposite side of the frame using the mating cross member channels.



### Step 7

Torque all the 7/16-20 Flange Locknuts on the wet bolts and shackle links to 40 ft-lbs. If 1/2-20 wet bolts (3/4" socket) are used, tighten to 80 ft-lbs.

### Step 8

Install Cross Member Braces outside each equalizer hanger using Spacer Tubes, 5/16-18 x 3.5 Flange bolts, and 5/16-18 Flange Locknuts. Tighten the nuts down evenly on each side of the hanger being sure not to tighten a nut more than one full rotation more than the nut on the other side of the hanger. Torque to 20 ft-lbs. with a 1/2" socket and wrench.

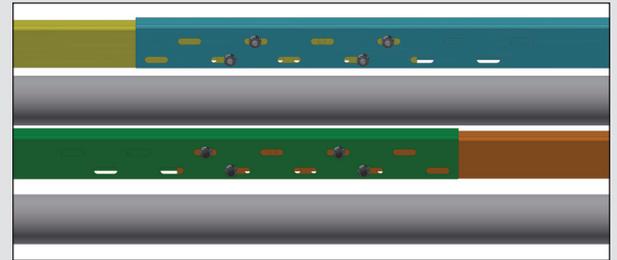


### Step 9

Line up the holes on both front cross member channels, and insert (4) 3/8-16 x 1 Flange Bolts on each side, utilizing the holes farthest from the center in both the top and bottom rows. Install the 3/8-16 Flange Locknuts but do not torque.

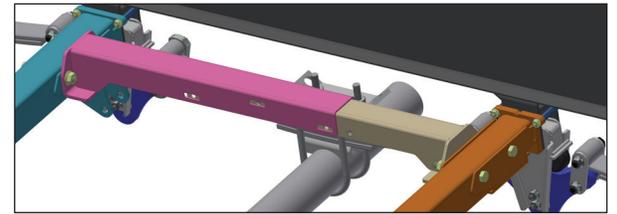
### Step 10

Repeat Step 9 for the rear cross member channels. Then, use a 9/16" socket and wrench and torque all the 3/8-16 Flange Locknuts to 40 ft-lbs.



### Step 11

Using (2) 1/2-13 x 4 Hex Bolts and (2) 1/2-13 Serrated Flange Nuts, attach the Outer Support Cross Member to the front cross member on the curbside. The Serrated Flange Nuts should be against the Outer Support Cross Member. Then do the same thing with the Inner Support Cross Member to the rear cross member on the curbside.



### Step 12

Line up the holes on both Support Cross Member channels, and insert (3) 3/8-16 x 1 Flange Bolts on each side. Install the 3/8-16 Flange Locknuts but do not torque.



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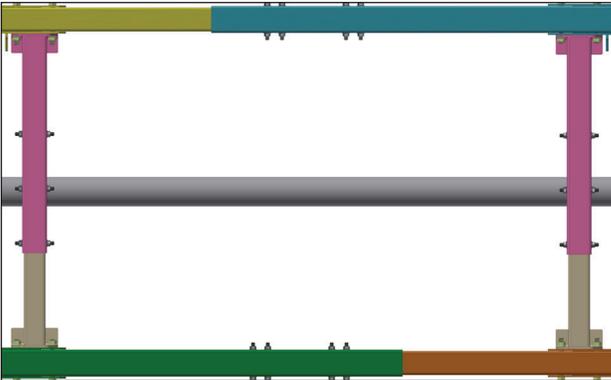
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### Step 13

Repeat Steps 11 and 12 for the roadside. Use a 3/4" socket and wrench and torque the 1/2-13 x 4 Hex Bolts to 95 ft-lbs. Then, use a 9/16" socket and wrench and torque the 3/8-16 Flange Locknuts to 40 ft-lbs.



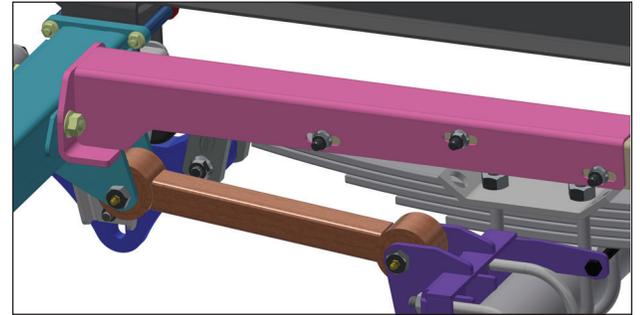
### Step 14

Bolt the Axle Torque Brackets to the center axle. In the case of an overslung axle, install the Axle Torque Brackets as shown. In the case of an underslung axle, install the Brackets with the Torque Arm mounting hole at the bottom of the axle instead of the top. Only install the U-bolts for now and do not tighten the 7/16-20 Flange Locknuts.



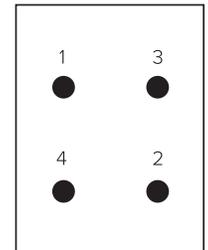
### Step 15

Using the 2.9" Long Wet Bolts and 7/16-20 or 1/2-20 Flange Locknuts, bolt the Torque Arms between the Front Cross Member and the Axle Torque Brackets. Torque the nuts to 40 ft-lbs using an 11/16" socket and 13/16" wrench. If using a 3/4" socket to tighten, torque to 80 ft-lbs.



Tighten the 7/16-20 Flange Locknuts on the U-bolts to pull the Axle Torque Brackets up to the axle, then rotate the brackets and insert the 3/8-16 x 3.75 Hex Bolts through the back of the brackets behind the axle seat and hand tighten 3/8-16 Flange Locknuts onto the bolt. Now torque the U-bolts to 40 ft-lbs; these must be tightened using a cross-pattern sequence (see diagram) being sure not to tighten a nut more than one full rotation more than any of the other nuts. Now torque the 3/8-16 Flange Locknuts to 40 ft-lbs using a 9/16" socket and wrench.

#### U-Bolt Torque Pattern Visual Aid



U-Bolts must be tightened and torqued using a cross-pattern sequence.

Tighten #1 and #2 to partial torque, then #3 and #4 to partial torque.

Using the same sequence, fully torque the U-Bolt Nuts.

### Step 16

Reinstall all wheels, then remove the jacks and supports from the frame and axles. Torque all lug nuts according to manufacturer specifications.

If you have any questions regarding the installation procedure or have difficulty with any of the steps, please give us a call at **574-293-1581** or email [parts@morryde.com](mailto:parts@morryde.com).



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At MORryde, we have a passion for solving problems. Whether we're fabricating custom solutions, modifying a commercial chassis, or creating our innovative products, we answer to a wide range of markets and deliver on a variety of needs. At MORryde, it's simply about doing MORE for our customers, and it doesn't stop at the sale. We stand behind our products, believing in quality first, service always. No matter the issue, we'll be the first to respond and the last to be satisfied. In short, we build better — together.



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