



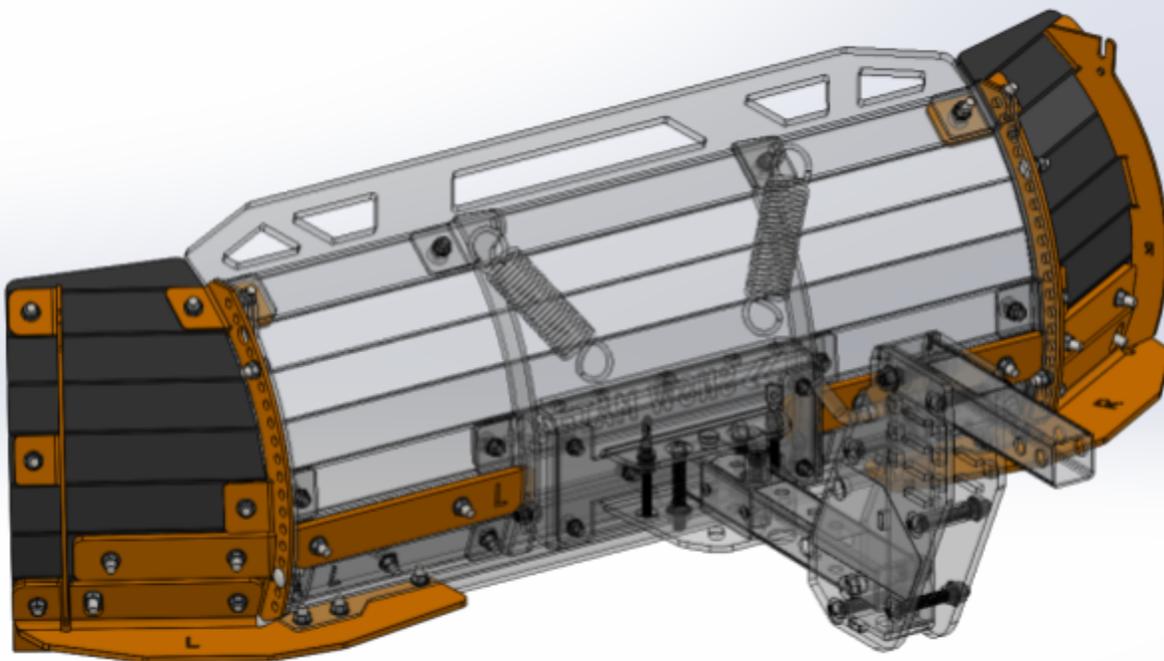
**SNOW MAT**®

BY DAWSON MANUFACTURING

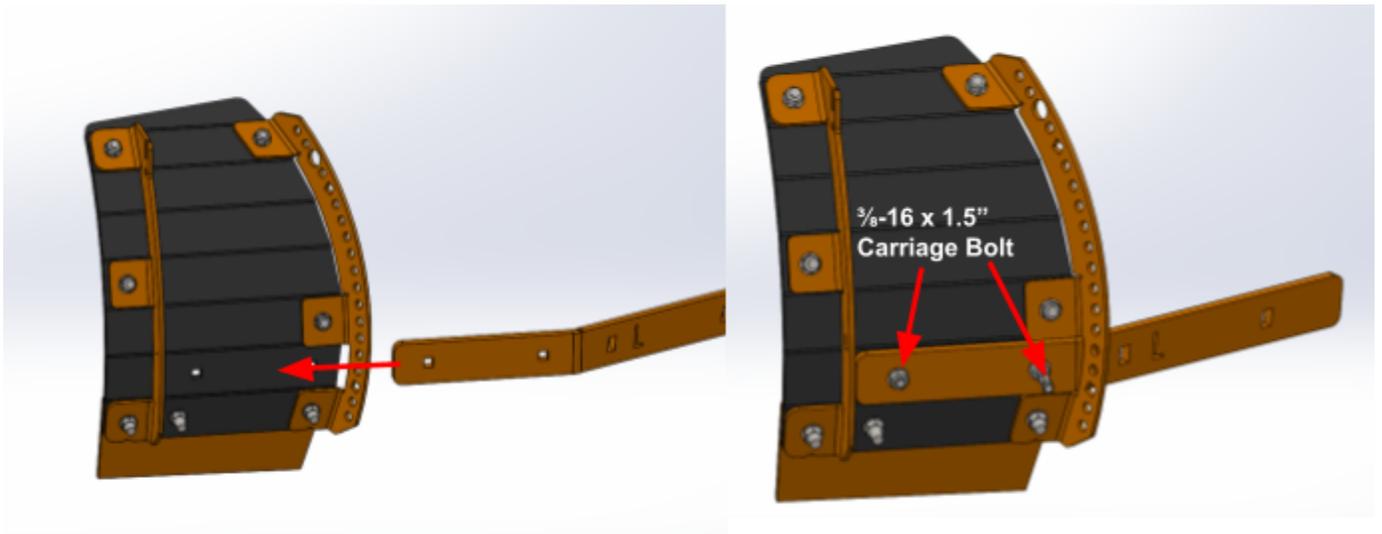
## **Snow Mate 36+ Winglet Assembly Instructions**

### Tools Needed

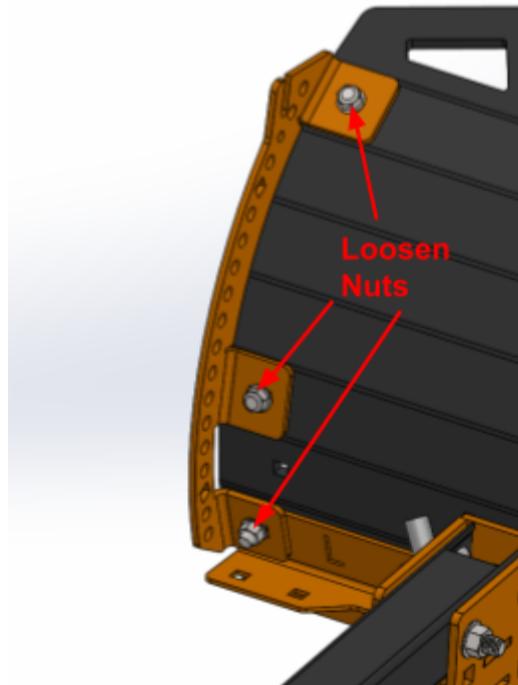
- 9/16in Wrench or socket



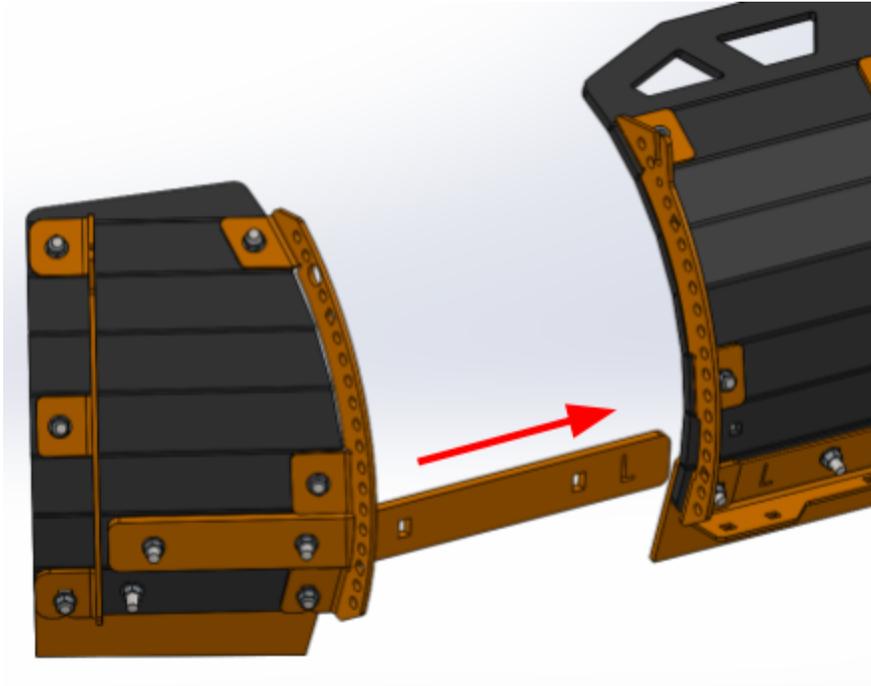
1. Slide the wing support bar into each of the winglet assemblies. And loosely bolt them down with the  $\frac{3}{8}$ -16 x 1.5" Carriage bolts.



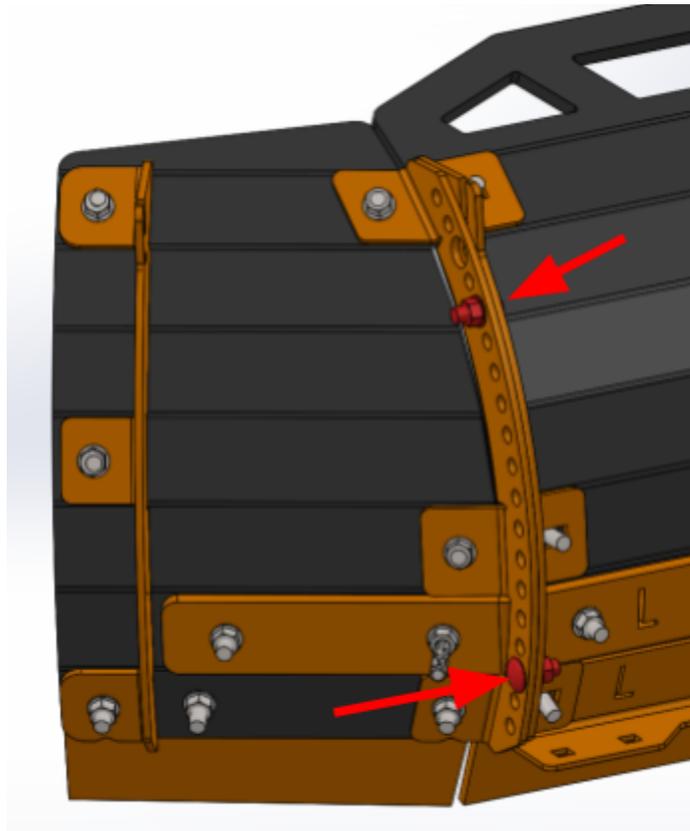
2. Loosen (do not remove) the 3 nuts on each of the outside main plow support brackets



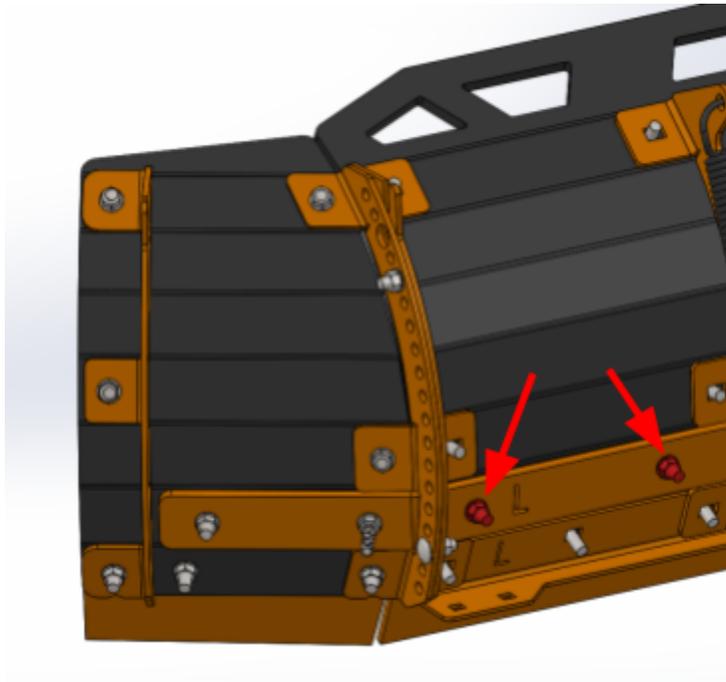
3. Slide the winglets into each side of the snow plow



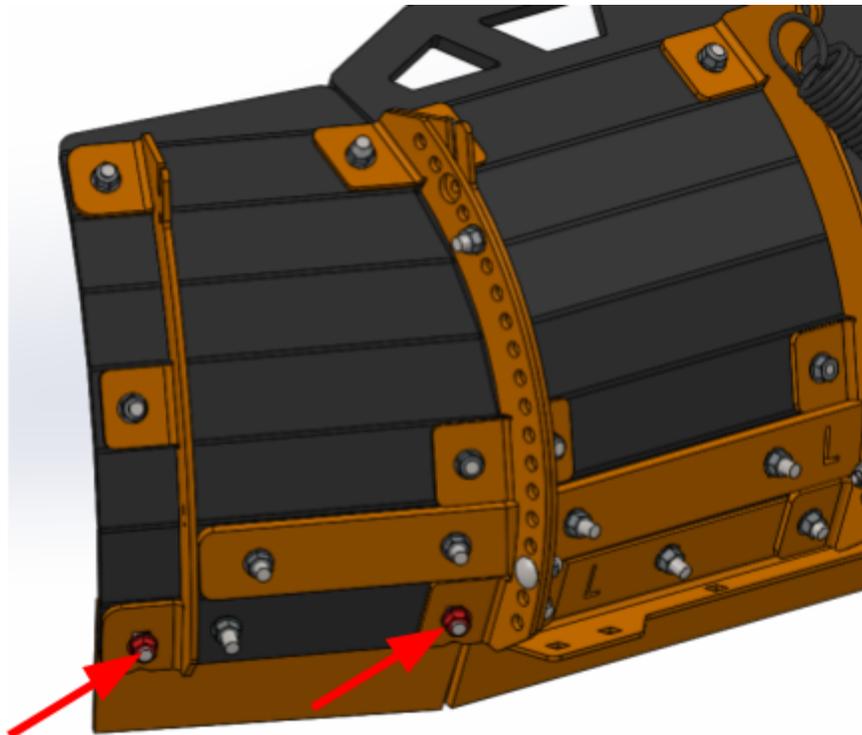
4. **Loosely** bolt the support brackets together using the  $\frac{3}{8}$ -16 x 1" carriage bolts



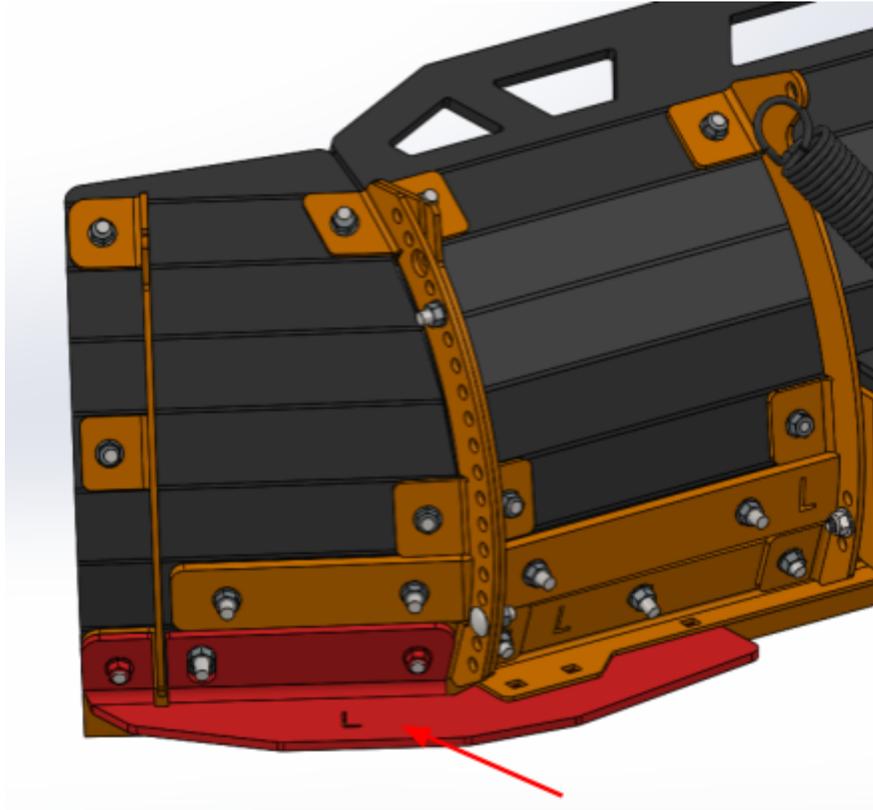
5. **Loosely** bolt the support bar to the main plow assembly using the  $\frac{3}{8}$ -16 x 1.5" carriage bolts.



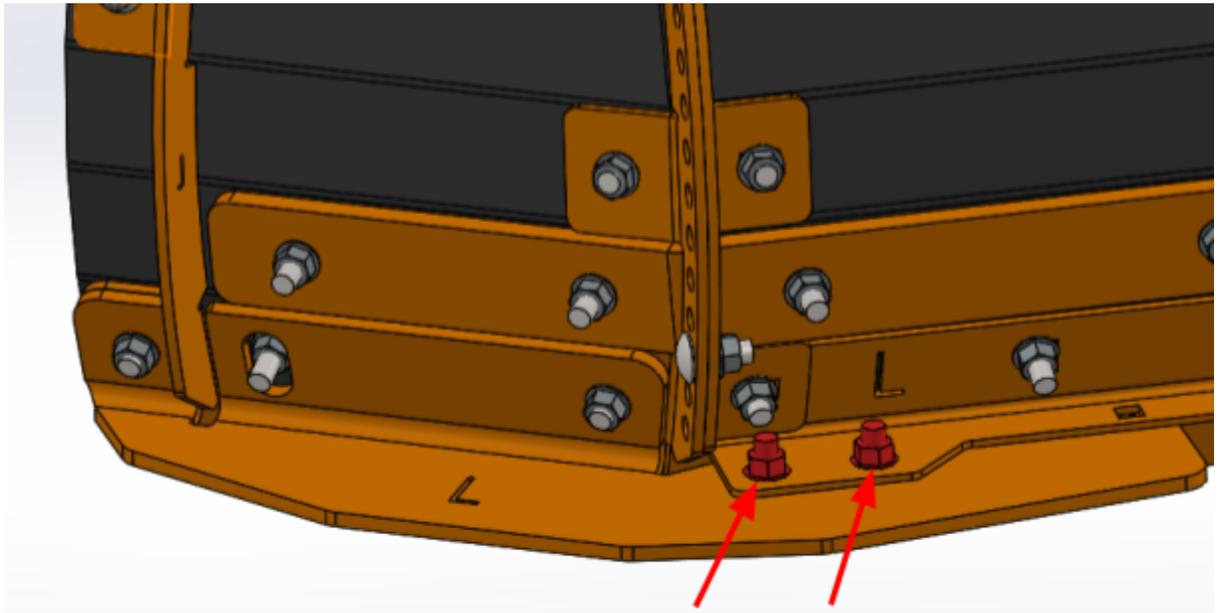
6. *If the main snow plow is already correctly mounted onto your mower skip to step 14 to adjust the winglet blades, then return back to step 7.*
7. Remove the 2 nuts on the winglet



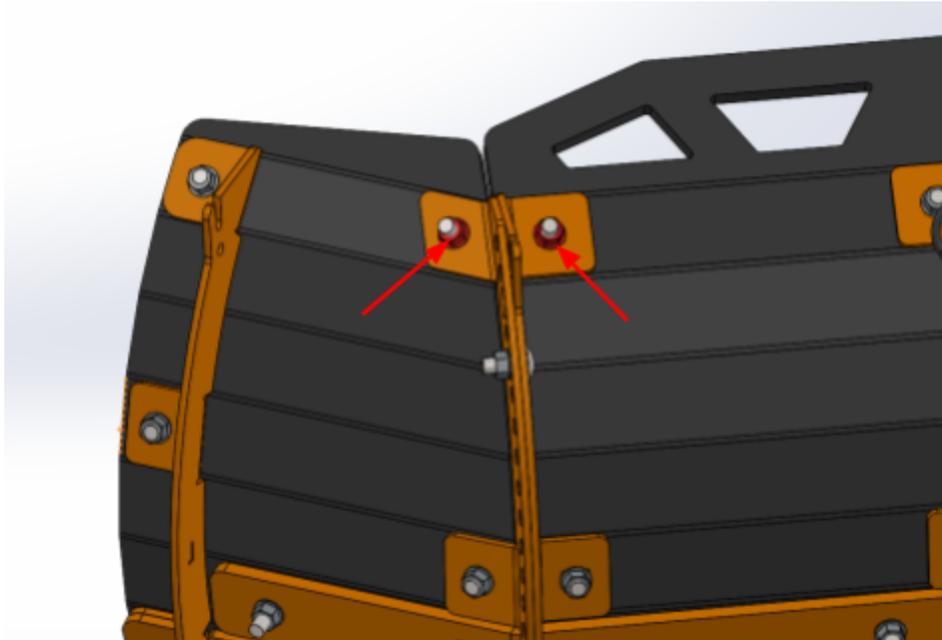
8. Install the reinforcement bracket as shown and **loosely** reinstall the nuts removed in the previous step.



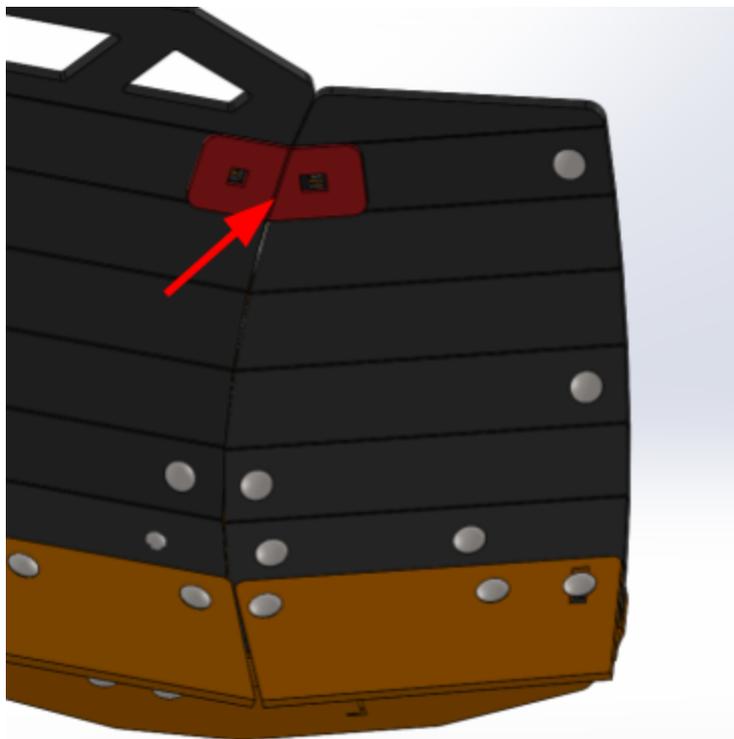
9. **Loosely** Install the two  $\frac{3}{8}$ -16 x 1 in long carriage bolts and nuts as shown



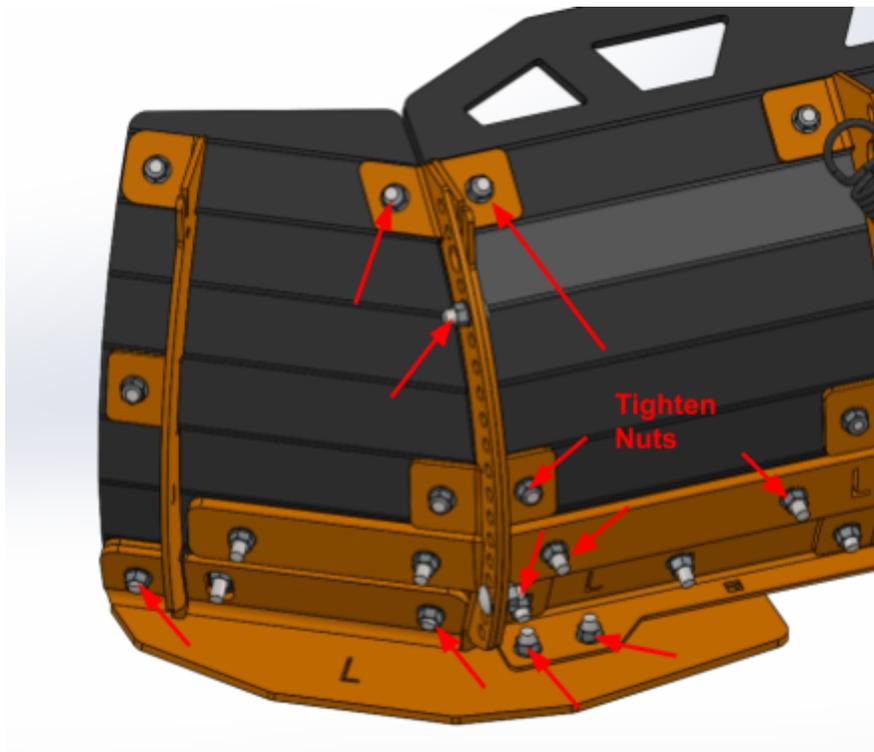
10. Remove the 2 nuts and bolts at the top of the winglet and snow plow as shown below.



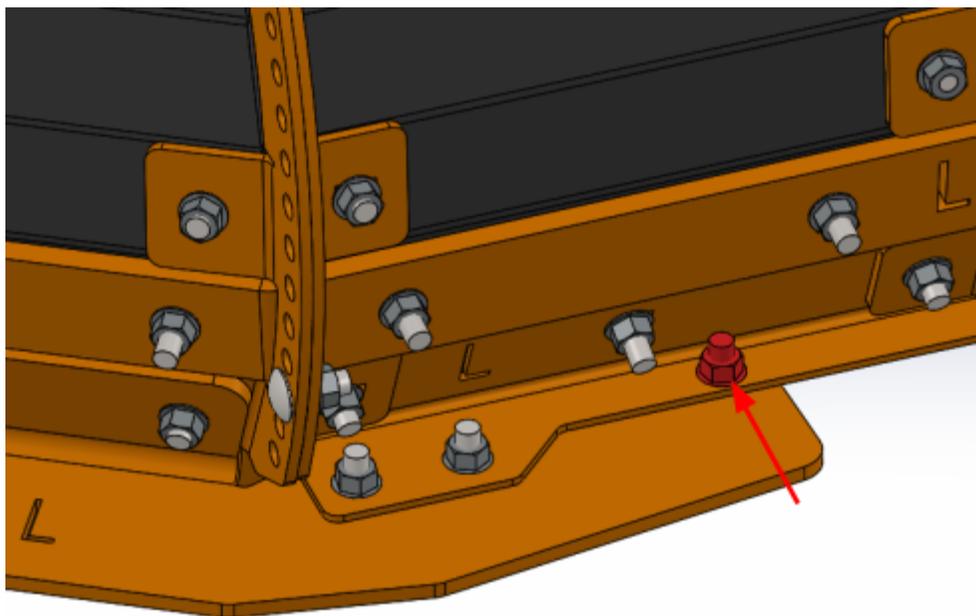
11. Install the top connecting bracket so that the rectangular hole is on the winglet side, the square hole is on the main plow side, and the bracket is angled up. Note there is a left bracket and a right bracket. Make sure you have the correct one. Reinstall the nuts and bolts removed in the previous step.



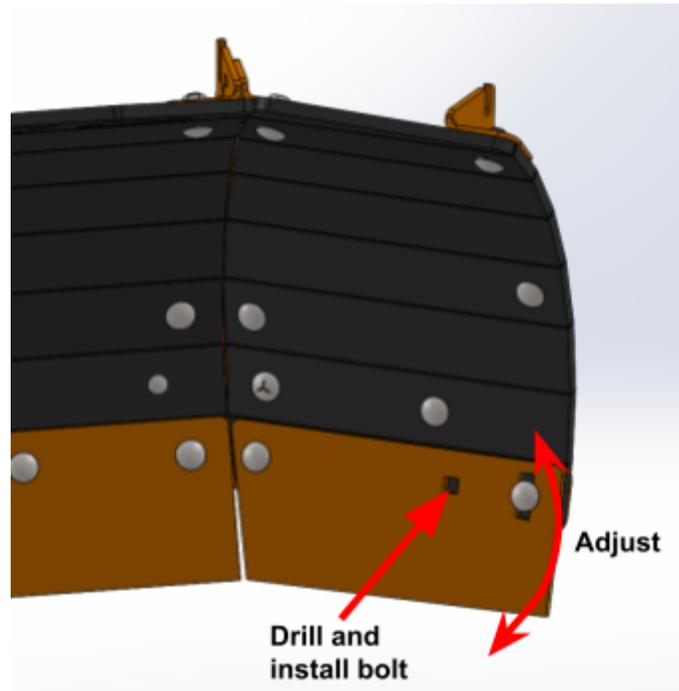
12. Tighten all of the nuts on the winglet and main plow.



13. Drill out the hole in the location shown below with a  $\frac{3}{8}$ " drill bit. The plow will need to be flipped over or lifted up if already mounted on the mower to drill out the hole. Afterwards, install the  $\frac{3}{8}$ " x 16 x 1in long carriage bolt and tighten down with the nut.



14. With the Winglets installed and the plow mounted to the mower at the proper height and the plow lowered onto the ground. Adjust the winglet blades so they sit flat on the ground by loosening the outside bolt. Once adjusted to the correct angle, drill out the center hole with a  $\frac{3}{8}$ " drill bit, and install the  $\frac{3}{8}$ -16 x 1.5" carriage bolt to lock the blades in place. ***(If the reinforcement brackets are already installed, they will have to be removed to access and tighten down the nut from the back)***



15. Repeat all steps for the opposite side.