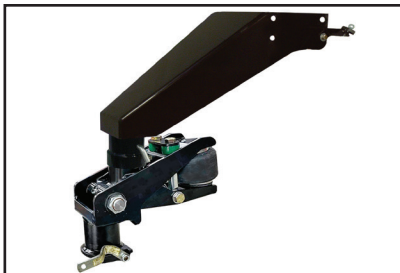


# Installation Instructions

## RVGC-AIR

Replaces 12" & 12.5" wide boxes  
12.5" wide box's require use of spacer plates

Fits - (LCI 1621, 0719, 1716, 1116, 0115)  
Also fits - (Fabex 500, 503, 520, 530, 560)



MFG. BY  
YOUNG'S WELDING INC.  
4330 S. Johnson Rd.  
Chanute, KS 66720

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### WARNING:

6/14/22

**WARNING:** Verify adequate trailer swing clearance between trailer nose and cab of truck, and trailer and rear of truck.

**WARNING:** Verify all connection points are tight and secure, do NOT exceed any weight ratings. Rules and regulations may vary from state to state, make sure you obey all state and federal towing laws.

**NOTE:** Safety Chain Laws vary by state, its always best to install and use safety chains anytime you tow a trailer. Safety Chains should be attached to the frame typically where the upper box bolts to the trailer frame. Do NOT attach safety chains directly to the adapter.

**NOTE:** A small amount of lithium grease will help prevent the sticking of parts at attachment points.

### Model: RVGC-Air

1. If your pinbox is the 12" wide model you can simply remove your existing pinbox on your RV and fit the Upper RVGC box in the same location as the pinbox you removed, and finger tighten at this time.

If you have the 12.5" wide pinbox, its required to use the 1/4" spacer plates and should be inserted between the Wing sets on the trailer and the RVGC box before tightening the mounting bolts in place.

2. Now find the included "L" bracket and install on the driver or handle side of the RVGC using an existing bolt that should still be finger tight. Once the "L" bracket is in place and tighten all bolts to the same torque specs suggested by the Trailer Mfg.

If no torque specs can be determined, first check with your RV mfg or RV owners manual. If you still can't figure out the torque specs you can use the below specs when tightening the mounting bolts.

**Grade 5** - 1/2" bolt, 57 ft lbs.    **Grade 5** - 5/8" bolt, 110 ft lbs.    **Grade 5** - 3/4" bolt, 200 ft lbs.  
**Grade 8** - 1/2" bolt, 80 ft lbs.    **Grade 8** - 5/8" bolt, 150 ft lbs.    **Grade 8** - 3/4" bolt, 280 ft lbs.

3. If installing the release pull cable, place the cable thru the slot in the "L" bracket and run it to the round hole in handle if equipped and tightened with the provided 3/8" x 1" hex bolt and 3/8" nut.
4. If your trailer has a break away braking system you can transfer it over to the RVGC and install with a self-tapping screw. The Upper box should now be in place and ready to install the lower portion with coupler.
5. Now slide the lower RVGC-Air stem into the upper box you just installed with the airbag towards the rear of the trailer. Align and install the thru pin with clip. Tighten the 3/4" x 2" set bolt on back of down tube on upper box.
6. Test fit RV to truck, verify that the installed height will allow RV to ride level. Apply a fair amount of lithium grease to coupler ball socket. Hook up RV by simply lowering it onto the ball, coupler will automatically latch over the ball when RV legs are lowered.
7. To adjust trailer ride height loosen the 3/4" set bolt, remove the thru pin making sure it is supported in place so it doesn't slide out completely, move to desired height position, re-insert the thur pin with clip and torque the 3/4" set bolt.
8. Routine Maintenance - Grease coupler ball socket occasionally. Main pivot grease zerk should be greased periodically for maximum bushing life. You can't over grease the pivot area.

### SETTING AIR PRESSURE:

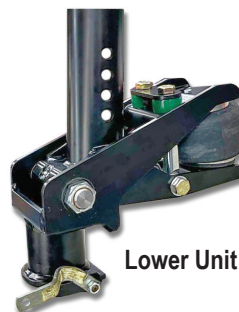
This is a LOW Pressure hitch that works by tow resistance. **Note:** All trailers have a different tow resistance. Start with 15 PSI in the airbag and test drive. Then increase pressure in 5 psi increments and test drive until optimum results are found. Pressure gauges may vary, use the same guage when testing, eventually the hitch will get too stiff and ride will worsen, reduce the pressure back down to acheive the best ride possible. **Note:** When towing with high wind resistance it may be necessary to increase air pressure on the airbag. **Do NOT exceed Max. pressure of 100 PSI in the airbag, damage may occur.**

### Hardware Provided

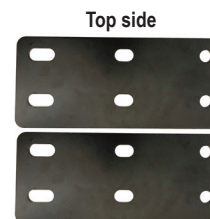
- 1 - 3/4" x 2" Set Bolt
- 1 - 3/4" Nut
- 1 - "L" Bracket cable guide
- 1 - Cable & 3/8" hardware
- 2 - Spacer plates  
(for 12.5" wide pinbox's)



Upper Unit



Lower Unit



Spacer Plates

Top side  
Round holes on plate line up with round holes on the upper unit.

RVGC - AIR models  
Gross Trailer Weight: 25,000 lbs.  
Max Tongue Weight: 6,000 lbs.

Please call or email with questions. 800-837-8578 or [info@popuphitch.com](mailto:info@popuphitch.com)

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