

# INSTALLATION INSTRUCTIONS

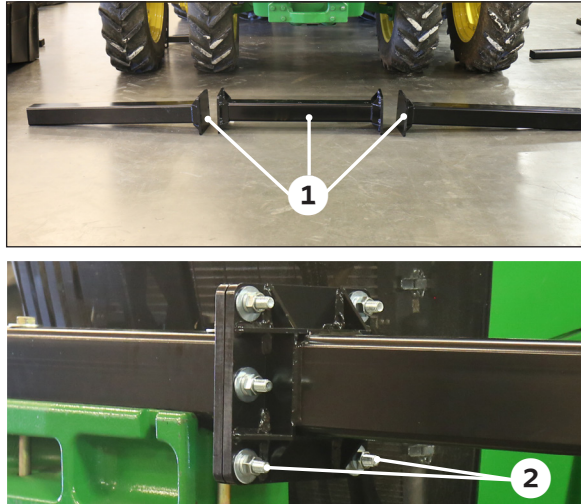


## HELPFUL TOOLS

- Socket and Wrench Sizes: 7/16", 1/2", 9/16", 3/4", 15/16", 1-1/8", 18mm and 30mm
- Socket Extensions
- Impact
- Punch
- Lifting Strap
- Hammer
- Pipe Wrench
- Anti-seize
- M20 x 2.5mm tap

## OPTIONAL LINES KIT TOOLS

- 5/16" driver
- WD-40
- Pipe Thread Sealer



## NEED HELP?

Call our Product Support team at 888-512-4890.

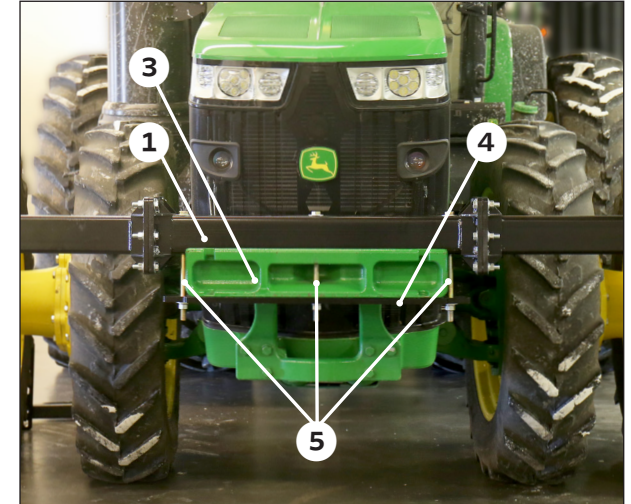
## STEP 1 | PREPARATION

Remove fenders and weights from tractor. Remove anything that would cause interference of the tank mounting structure including any toolboxes, steps, and brackets attached to mounting location on tractor frame (eight bolt holes on frame to the rear of the front axle).

Push front mirrors to the rear of the tractor (away from being above the hood area of the tractor).

Remove caps, if in place, from threaded holes in the frame where rear mounting plate attaches.

It is recommended to run a tap in the holes to clean out rust and/or paint and blow out any additional debris.



## STEP 2 | WEIGHT BRACKET BEAMS

Using 5/8" x 2-3/4" bolts and nuts assemble three weight bracket beams (1) together.

**NOTE: We are no longer using lock washers and washers in this assembly therefore you will have extra parts in your hardware kit.**

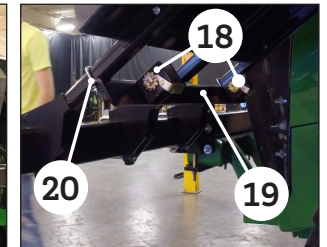
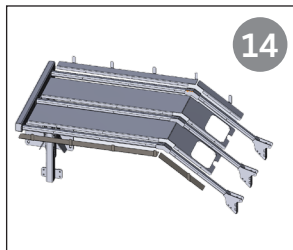
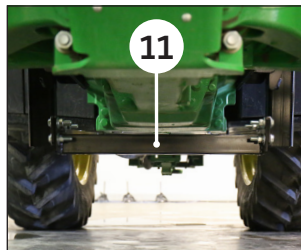
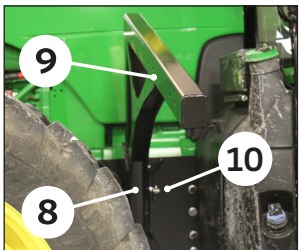
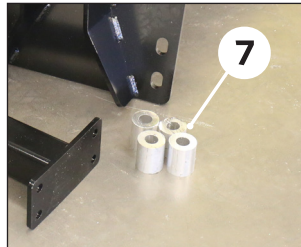
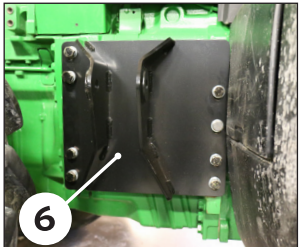
**NOTE: If the lines kit is being installed, do not install bottom two bolts in the weight bracket beams on the left side (from the cab) (2).**

Tighten bolts.

Set assembled front weight bracket beam (1) on top of weight bracket (3) with three mounting holes on center section towards the front and the flat side down.

Install weight bracket plate (4), and secure with 3/4" x 12" bolts, washers, and lock nuts (5). Leave nuts loose.

# INSTALLATION INSTRUCTIONS



## STEP 3 | REAR MOUNTING STRUCTURE

Install frame mounting plate **6** to the tractor frame with the 20mm bolts, washers, lock washer. Leave bolts loose.

### NOTES:

It is recommended to apply anti-seize to the bolts/holes.

Spacers **7** may be needed depending on tractor transmission type (if the eight bolts are on different planes).

Use **8** pin to attach rear mounting structure **9** to frame mounting plates. Start pins from front of tractor side.

Install hairpin after pins are in place **10**.

Repeat on other side.

Using 5/8" x 2-3/4" bolts, lock washers, washers, and nuts install under tractor support **11** by lifting one rear mounting structure at a time (rotating around pin). Leave nuts loose.

## STEP 4 | UNDER TANK SUPPORTS

Set front end of under tank support **12** on front weight bracket beam. Install the 1/2" x 4-1/4" bolts, washers, lock washers, and nuts **13** that connect the under tank supports to the rear mounting structure. Leave nuts loose.

Repeat for all three under tank supports on each side.

**14** Install the eight under tank sheet metal pieces using the 1/4" x 2-1/2" bolts, washers, lock washer, and nuts. Start bolts from the tractor side, and insert away from the tractor **15**.

Repeat on other side.

Install the 5x7" x 5/8" U bolts, washers, lock washers, and nuts **16** on front of all under tank supports.

**NOTE: If lines kit is being installed, leave off center U-bolts.**

## STEP 5 | TANKS

With 360 logos facing outward, place tanks on the support structures **17**.

**OPTIONAL:** Use lifting hooks by bolting to top of tank with 1/2" x 1" bolts. **DO NOT** use lifting hooks if any liquid is in tank.

Using 3/8" x 1 1/4" bolts, washers, lock washers, and nuts bolt strap winches **18** to strap mount bracket **19**.

Use 3/8" U bolts **20** to attach strap mount bracket to the underside of the support structure. Winch center pin should align with the corresponding tank rib.

Install straps **21** and tighten with 1-1/8" wrench.

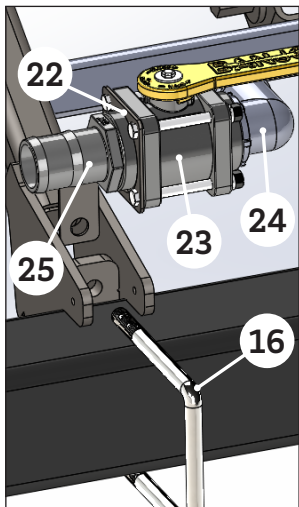
Tighten all bolts previously left loose.

## TANK INSTALLATION COMPLETE

For optional lines and pump kit installation see pgs 3-4.



# OPTIONAL | LINES KIT & PUMP KIT



## STEP 6 | 2" FILL VALVES

**NOTE:** It is recommended by the manufacturer to use a pipe thread sealant on clean tapered threads of pipe fittings.

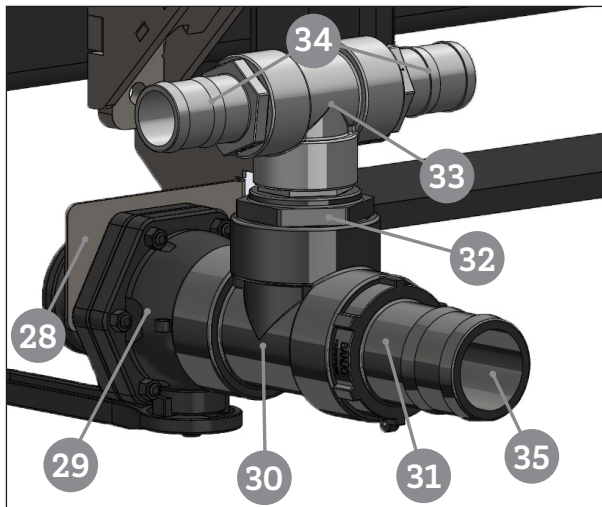
Attach mounting plates **22** to two 2" fill valves **23** and install on center under tank support U bolt **16** with valve to the outside of the tractor on each side.

Install a threaded barbed elbow **24** on the outside of each of the 2" fill valves, pointing toward the rear of the tractor and a straight barb **25** on the inside of the 2" fill valves.

Thread in fill barb elbows on rear of each tank **26**.

Connect barb elbow at the rear of the tank to barb elbow on the 2" fill valves at the front using 2" hose **27**.

Use P clips on bolts 2, 3, and 5 on under tank support to secure hose up out of the way.



## STEP 7 | 3" FILL VALVES

Attach mounting plate **28** to 3" fill valve **29** and install to lower side of weight bracket beam **1** on left side (from cab).

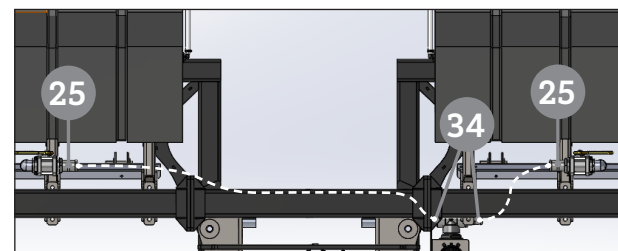
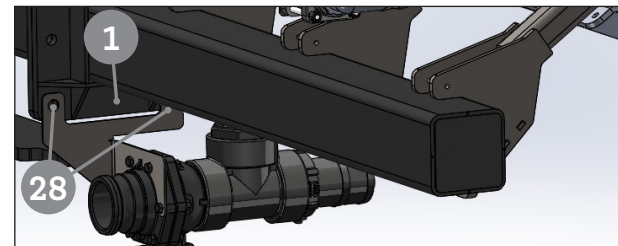
Attach 3" tee **30** onto 3" fill valve leaving the third leg pointing up. Attach 3" hose barb **31** onto tee, in line with valve.

Thread in reducer **32** to remaining leg of 3" tee.

Thread in 2" tee **33** to reducer perpendicular to the 3" tee. The two 2" hose barsbs **34** on the remaining two legs pointing to each side of the tractor (to the tanks).

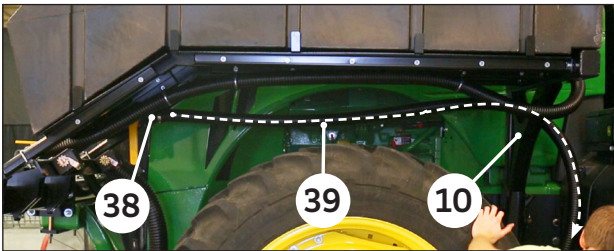
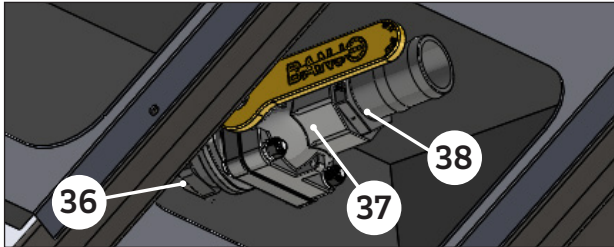
Install the 3" hose to the rear facing 3" hose barb **35** running to the rear of the tractor.

Using a coupler, install remaining 3" valve and hose barb to other end of hose.



## STEP 8 | HOSE

Install a hose between the straight barb on the fill valves **25** to the straight hose barsbs connected to the front 3" fill valve **34**.



## STEP 9 | DISCHARGE VALVES

Install threaded flange fitting at discharge ports on underside of tanks **36**.

Install 2" valve with a flange end **37** at the discharge port of the tanks. The gasket should be between the two flanged ends.

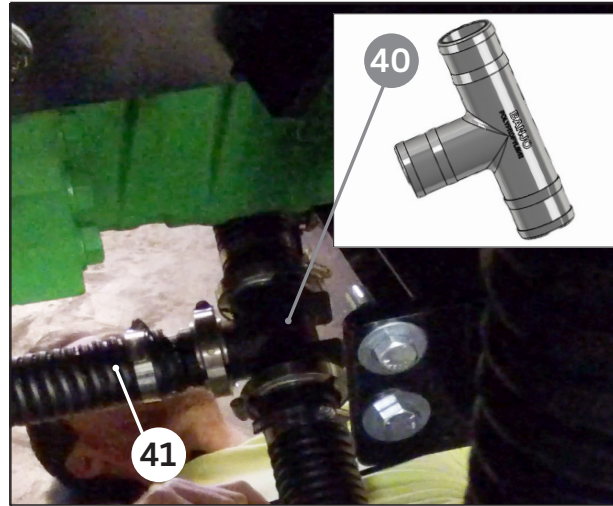
**NOTE:** Ensure the valve is functional before tightening.

Thread 2" hose barb **38** into the remaining side of the discharge valve.

Run hose **39** from the hose barb of the discharge valve to the back of the tanks, through the gap in the rear mounting structure **10**, to the center of the under side of the tractor (at the under tractor support beam).

Use P clips to secure hose up out of the way.

Repeat for other side.

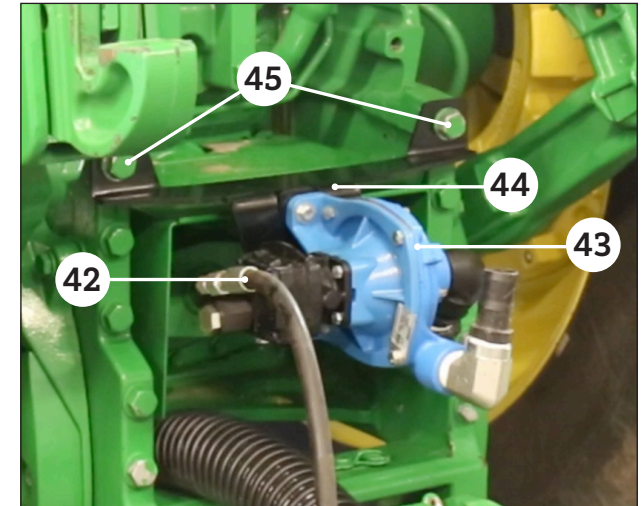


## STEP 10 | HOSE

Use the hose barb tee **40** to connect the two sides. Point remaining leg to the back of the tractor.

Install a hose **41** from the barbed tee under the tractor to the rear of the tractor ending at the pump.

Secure the tee to the support tube.



## STEP 11 | PUMP KIT

Attach hydraulic hoses **42** to the pump **43**.

Bolt pump to the pump mounting bracket **44** using 3/8" x 1-3/4" bolts, washers, lock washers, and nuts.

Install on tractor using upper most bolts around PTO bay **45**.

## INSTALLATION OF OPTIONAL LINES AND PUMP KITS COMPLETE