

723164-Rear Boom Recirculation Kit (for front boom sprayers)

What is it?

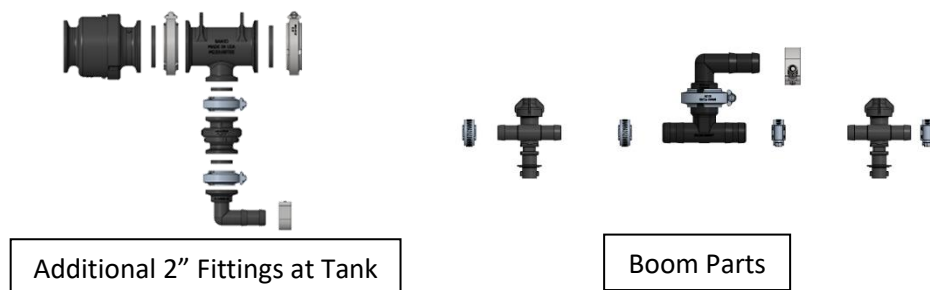
This is a kit that allows the recirculation of a rear boom on front boom sprayers such as Hagie, New Holland, Miller, and OXBO.

Who needs it?

Anyone who owns a front boom sprayer and wants to have the ability to recirculate their rear boom. Note that additional hose, recirculation kits, and end fitting kits will be required for the installation of this kit.

What does it look like?

The parts included in the kit are seen below. They consist of parts that get mounted on the rear boom and parts that get added to the 2" recirculation fittings at the main tank.



The configuration for each rear boom plumbing style will be different and will require different additional kits to be purchased. For each rear boom you will need to buy the corresponding end fitting kits for your nozzle bar type (unless you have a dry boom) and the corresponding breakaway boom recirculation kit for your boom plumbing configuration. The sections below go through the most common rear boom configurations on the market today and detail what additional kits are required.

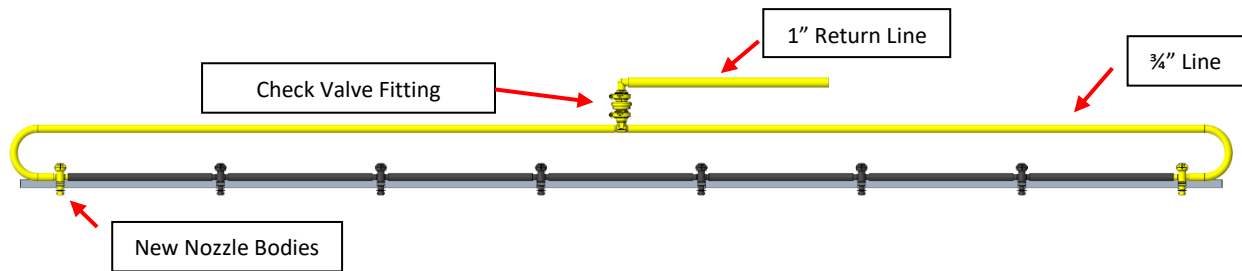
Dry Booms

Additional kits required

To complete the installation on dry booms you will need to purchase the Dual 90 deg flange fittings w/ Check Valve 90 kit (723157), enough $\frac{3}{4}$ " hose to span the rear boom, and enough 1" hose to span the distance between the rear boom check valve fitting and 2" fittings on top of the tank. Since the rear boom recirculation kit comes with nozzle bodies for dry booms, no end fittings kits need to be purchased for dry booms.

Installation

On the rear boom, the boom parts will be installed as seen below (new parts added in yellow). The nozzle bodies on the end of either side of the bar will be replaced with the new nozzle bodies provided in the kit. A hose will then be connected to the end of the new nozzle bodies and will loop around to meet in the middle and connect to the check valve fitting. A return line will then be routed from that check valve fitting back to tank. Note that you will have extra parts that are not used.



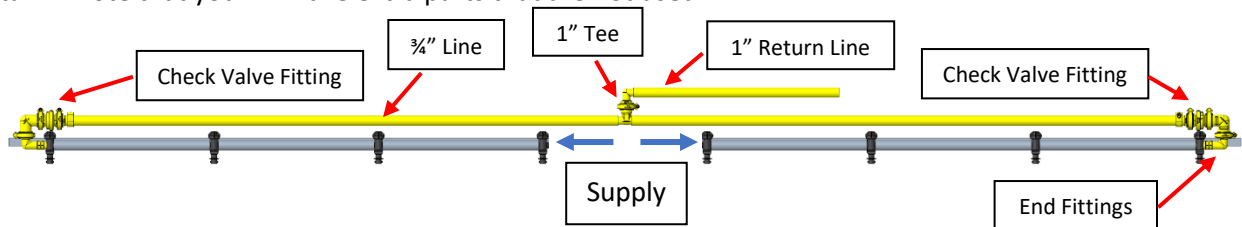
Dual End Fed Wet Booms

Additional kits required

To complete the installation on dual end fed wet booms, you will need to purchase the corresponding nozzle bar end fittings for your boom type, qty (2) of the end fed breakaway boom recirculation fitting kits that correspond to your end fitting boom type (either 723152 for JD, Hypro, and NPT or 723156 for TWS and beaded), enough 3/4" hose to span the rear boom, and enough 1" hose to span the distance between the rear boom check valve fitting and 2" fittings on top of the tank.

Installation

On the rear boom, the boom parts will be installed as seen below (new parts added in yellow). The nozzle bar end fittings will be installed on either non-fed end of the boom. The recirculation fitting kit (check valve fittings) will be installed on the nozzle bar end fittings and a hose will then connect either recirculation fitting kit to a central 1" tee. From the 1" tee, a return line will then be routed back to tank. Note that you will have extra parts that are not used.



Single Center Fed Wet Boom

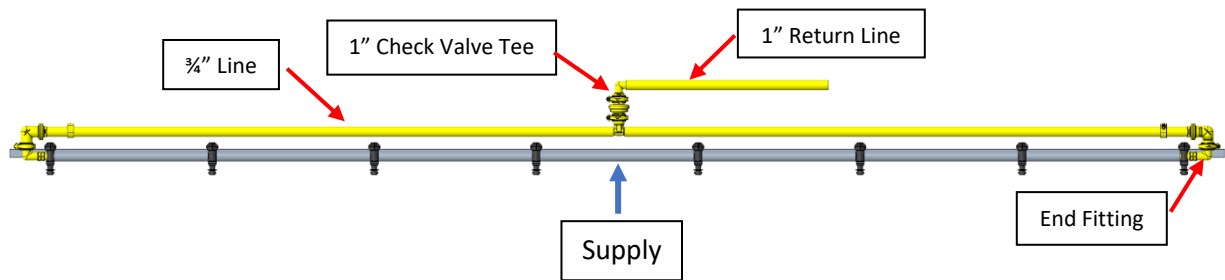
Additional kits required

To complete the installation on a single center fed wet boom, you will need to purchase the corresponding nozzle bar end fittings for your boom type, qty (1) of the end fed breakaway boom recirculation fitting kit that corresponds to your end fitting boom type (either 723153 for JD, Hypro, and NPT or 723157 for TWS and beaded), enough 3/4" hose to span the rear boom, and enough 1" hose to span the distance between the rear boom check valve fitting and 2" fittings on top of the tank.

Installation

On the rear boom, the boom parts will be installed as seen below (new parts added in yellow). The nozzle bar end fittings will be installed on either end of the boom. The recirculation fitting kit will then

be installed on the boom just like it would be on a center fed breakaway and you should end up with a 1" check valve tee in the center of the boom. From the 1" check valve tee, a return line will then be routed back to tank. Note that you will have extra parts that are not used.



Installation of 2" Fittings at Tank

Once the rear boom installation is complete, you will tee the 1" return line from the rear boom in with the 2" fittings at the tank. The new 2" tee parts will be installed right before the flow indicator at the top of the tank as seen in the picture below (new parts added in yellow). Be sure to orient the check valves in the correct direction such that they line up with the direction of flow.

