

MAIN HARNESS

- 2 BOOM VALVES
- 1 LIFT SWITCH
- POWER

VALVE 2 CONNECTOR

VALVE 1 CONNECTOR

EXTENSION CABLE
FOR BOOM VALVE

B BENCOC

MANUFACTURING

Lift Switch Boom Valve Kit

FOR 12V PUMPS

How it works.

The BENCOC lift switch boom valve kit is a simple way to shut off the flow of liquid on your planter every time you lift the planter bar without complex and expensive electronics. The simple system uses a push-button lift switch (with the correct bracket for your planter) to shut off the flow through up to 2 boom valves.

When the row unit is raised, the lift switch is depressed and closes the boom valves. This stops the flow of liquid. Your 12V pump will automatically shut off when 60 pounds of pressure is achieved in the system.

When the row unit is lowered again, the switch sends the signal to resume flow to the valves. As the valves open, pressure in the system drops below 60 pounds and the pumps automatically resume.

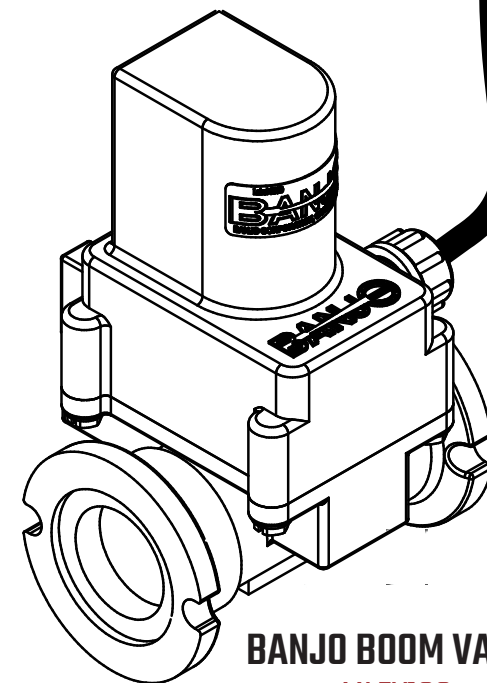
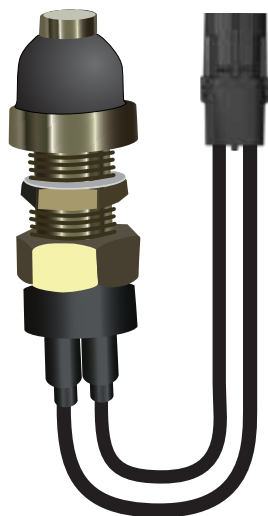
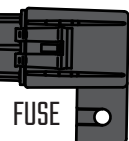
Installing your kit.

1. Mount the lift switch onto the supplied bracket and install it on the parallel arm of any row unit.
2. Install your boom valves in the feed line of each section. One lift switch will control two boom valves.
3. Wire the system together. The two-pin weatherpack goes to the lift switch, the three-pin connectors go to the boom valves. You will likely also have an extension cable for each boom valve to make installation easier.
4. The final step is to supply power to the system. This system requires low levels of power, so you should be able to connect it wherever is convenient. The red wire connects to the 12V positive lead and the black is the 12V negative lead. Some John Deere kits may have a two-prong weatherpack installed on the power lines to make it easy to plug into the aux port on the planter.

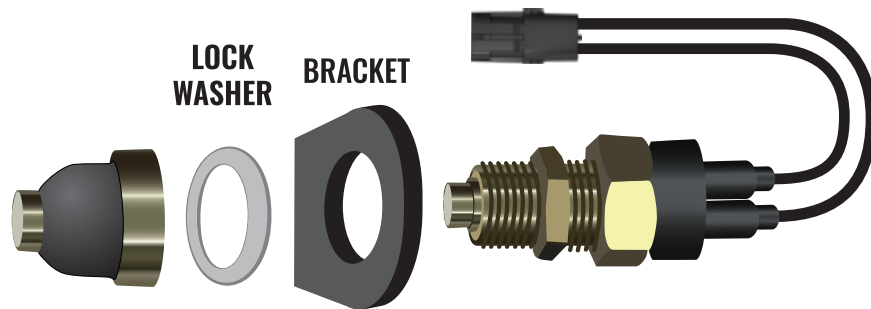
LIFT SWITCH

12V+ POSITIVE

12V- NEGATIVE



BANJO BOOM VALVE
MLEV100



① Mount the lift switch to the bracket.

- 1) Unscrew the head from the lift switch. It should be loose from the factory. Remove the head and the lock washer.
- 2) Roughly adjust the depth-stop nut to the desired mounting depth.
- 3) Place the body of the lift switch through the mounting hole of the bracket.
- 4) Add the lock washer. It will go between the bracket and the head.
- 5) Screw the head back on the body of the lift switch until it stops.
- 6) Tighten the depth-stop nut against the bracket with a wrench to lock the assembly together as single unit.

② Mount the assembly on your planter's parallel arm.

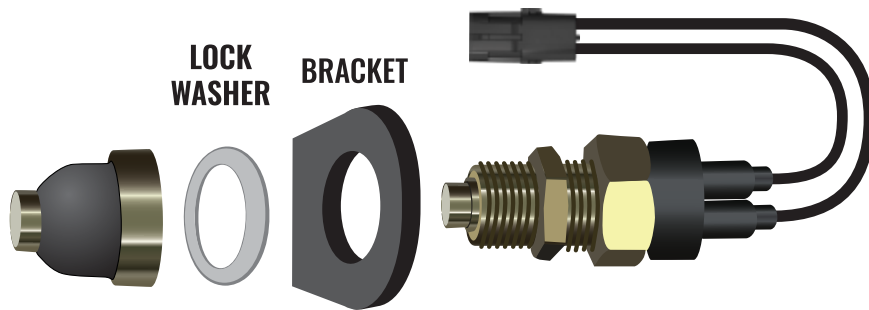
The lift switch assembly will mount directly to the parallel arm of the planter, usually using an existing hole in the parallel arm. Most brackets have ears bent outward next to the mounting hole that will wrap around the parallel arm to keep it in place at all times.

- 1) Raise the row unit to it's full height.
- 2) Mount the bracket loosely in the rear most hole in the parallel arm. Leave the mounting bolts just loose enough that you can still adjust the unit's position.
- 3) Adjust the position of the unit by pushing it toward the rear of the row unit. The button should be almost fully depressed by the row unit. The rubber end cap will be squished.
- 4) Once the unit is properly positioned, tighten the mounting bolt(s) to lock it in place.

③ Wire up your lift switch & you are done!

The last step is connecting your lift switch to the system that will be using it! That could be your field computer, the terminator plug on your OnSite FMS system, or the harness of a BENCO Manufacturing Lift Switch Boom Valve Kit.

Whatever you are controlling, BENCO has a wide range of cables of varying lengths to help you get your planter up and running. Contact your local dealer or give us a call if you need anything at 605.213.1010.



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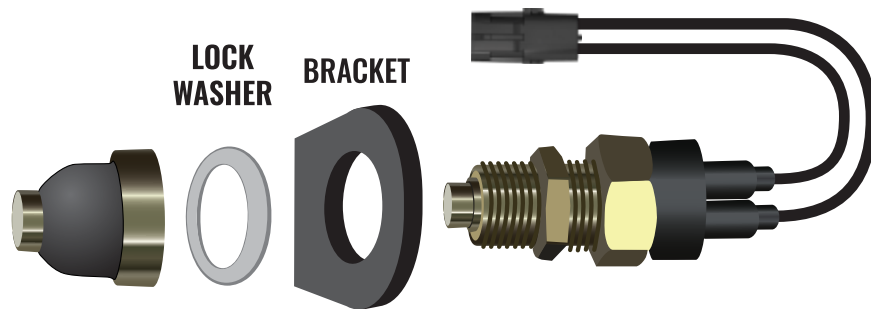
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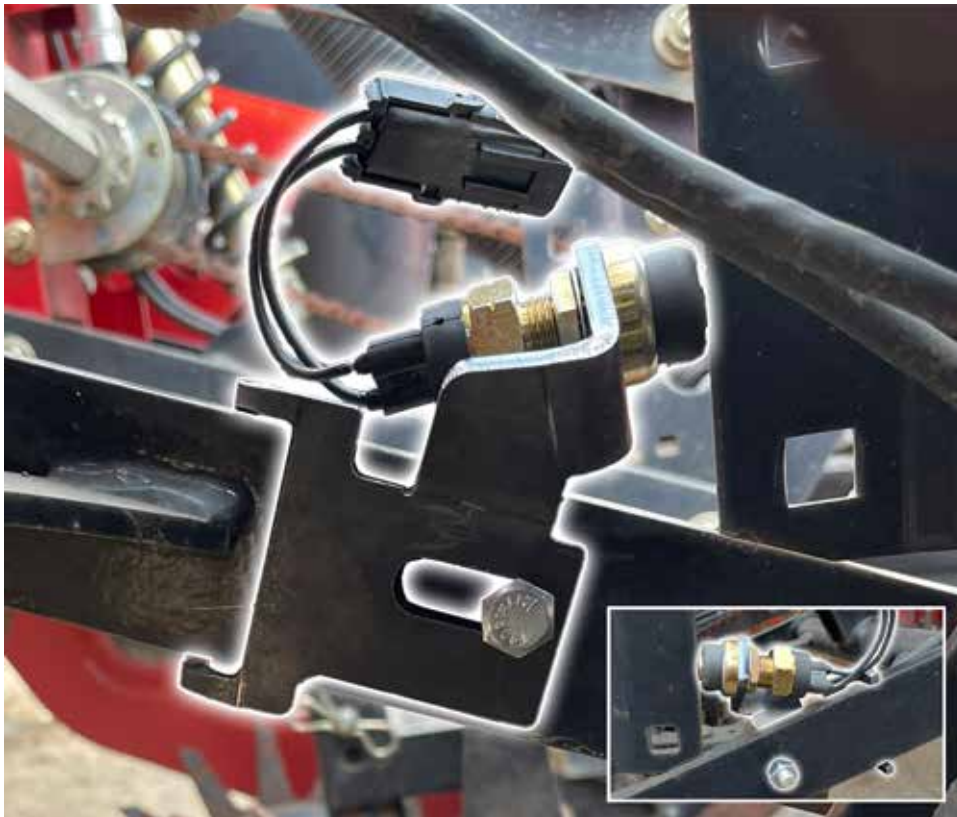
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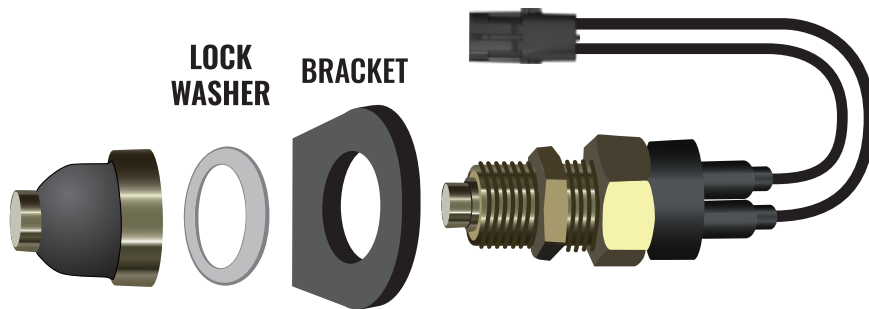
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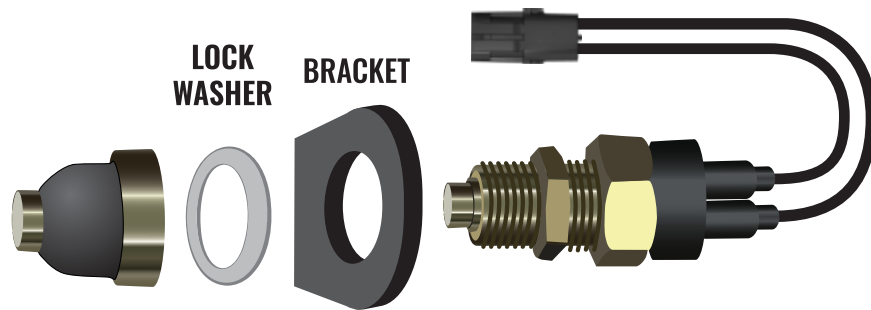
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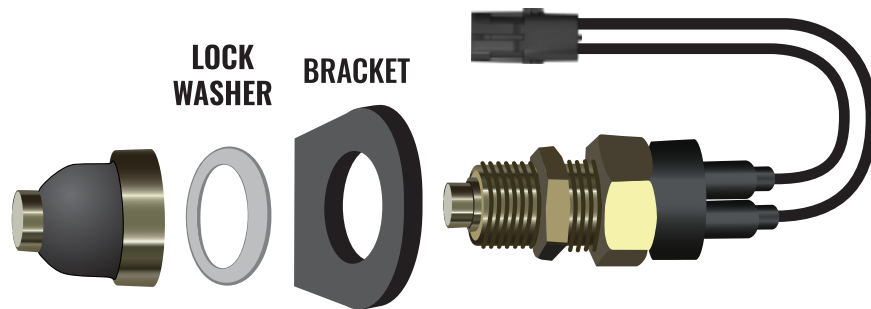
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