

# Live 3rd Function Valve Kit

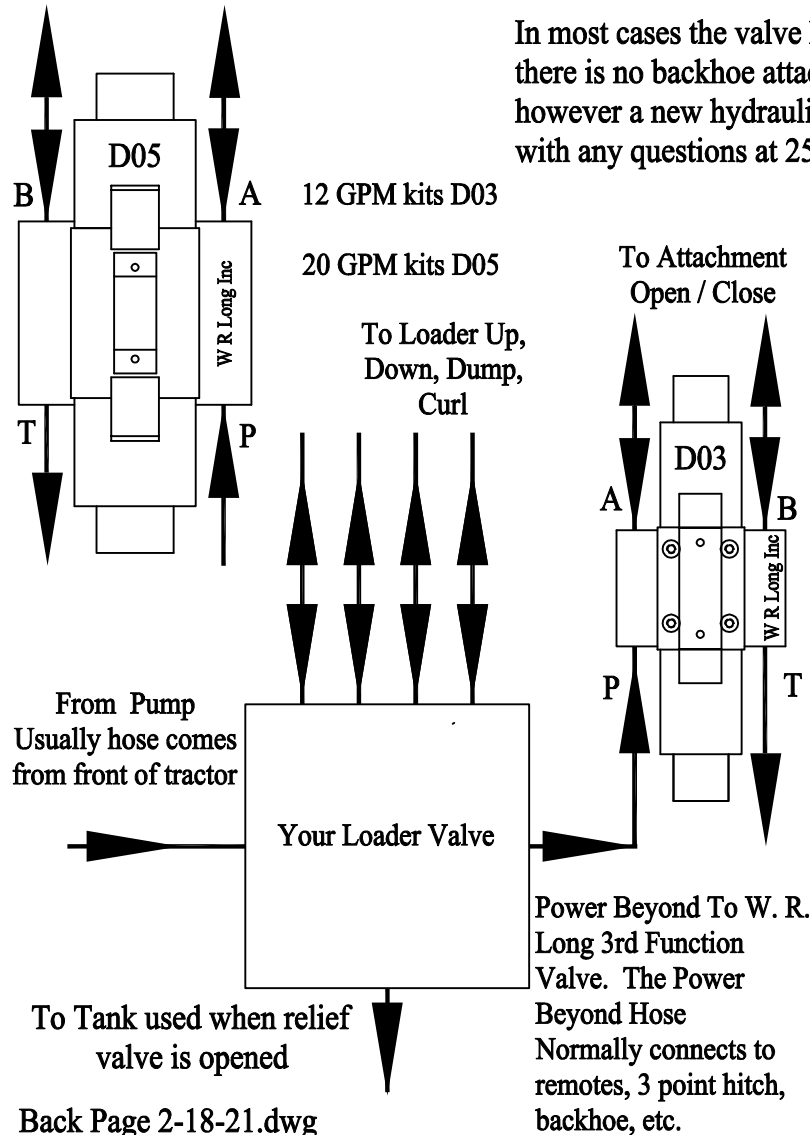


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## Electrical Installation of the W. R. Long live 3rd function valve kit

1. Remove the knob from your joystick
2. Remove the parts from the handle provided in the kit.
3. The button head bolt is used to secure the back of the handle and also to prevent the bottom of the switch from touching the top of the joystick. Do not install the back side of the handle at this point, however insert the button head bolt into the handle and screw in all the way but do not tighten. Place the W R Long handle over the joystick. Tighten the two setscrews in the handle to the joystick so that it is snug. We will tighten later.
4. Run the black cable with the 3 wires from the W R Long valve up to and through the slot in the side of the handle and pull the wire through the back of the handle. Install the rocker switch. Trim off any excess wire. Install the connectors provided in the kit to the 3 wires. Connect the green wire to the top terminal, the yellow wire to the middle terminal, and the blue wire to the bottom terminal. Attach a small tie wrap where the cable enters the inside of the handle to help prevent the cable from being pulled out. Connect the red wire in the black cover from the valve to a hot wire on the tractor using the 10 amp in line fuse provided in the kit.
5. The idea is that the attachment will open when you press the top side of the rocker switch and the attachment will close when you press the bottom side of the rocker switch. If the attachment operates in the opposite direction you can switch the green & blue wires or the hoses on the back side of the bulk head bracket.
6. After confirming that the rocker switch operates your attachment in the preferred direction, remove the button head bolt and now install the back side of the handle and secure it with the button head bolt and the 2 other screws. Tighten the 2 set screws with lock nuts to the joystick. You may want to secure the cable to the joystick with a few tie wraps.

Please visit the Frequently Asked Questions (FAQ) page on our website. [www.wrlonginc.com](http://www.wrlonginc.com)



In most cases the valve kit instructions are written with the presumption that there is no backhoe attached to the tractor. The kit will work with a backhoe, however a new hydraulic hose may be required. Please call W. R. Long Inc. with any questions at 252-823-4570.

Some loaders come with a factory rocker switch or two push button switches to open and close a future attachment. The W. R. Long valve can be operated using the factory supplied switch/switches since there are relays included in the control module. If you use your factory switch make sure you completely disconnect your switch from your tractor before connecting to the W.R.Long valve. See below for wiring diagram.

Wiring Diagram for Rocker Switch in Handle

Wiring Diagram using two Push Buttons in Handle

