

# Auxiliary Hydraulics

*If It Didn't Come With It, We say add it!*



## RK317 INSTALLATION INSTRUCTIONS: REAR HYDRAULIC KIT FOR 300, 312, 314, 316 Kohler, 317 John Deere Garden Tractor. H1 or H2 Hydraulic Valve.

### PREPARE TRACTOR:

- 1 Park tractor safely on a level surface.
- 2 Stop engine and remove key.
- 3 **Disconnect the battery.**
- 4 Let tractor cool completely. And, be certain all pressure is off the hydraulic system. i.e. everything is down.

**It is not necessary to remove fender deck to facilitate rear hydraulic kit installation. Fender deck shown removed in these instructions for photo purposes.**

### INSTALL REAR HYDRAULIC KIT;

- 1a Mount rear coupler bracket as shown using 2 3/8 X 1 bolts, nuts, and lock washers. Tighten nuts securely.



1b Alternate view.



2a **H2 Hydraulic Valve: 300, 316, 317**  
Connect Rear Hydraulic hoses to the control valve body per photo. Loosen and rotate fittings screwed into the control valve 180 degrees per photo. Orient hoses and fittings for clearance then tighten securely. No need to over tighten.  
Note: It may be necessary to bend formed tubes slightly to orient hoses properly. No worry, tubes are heavy hydraulic rated parts.




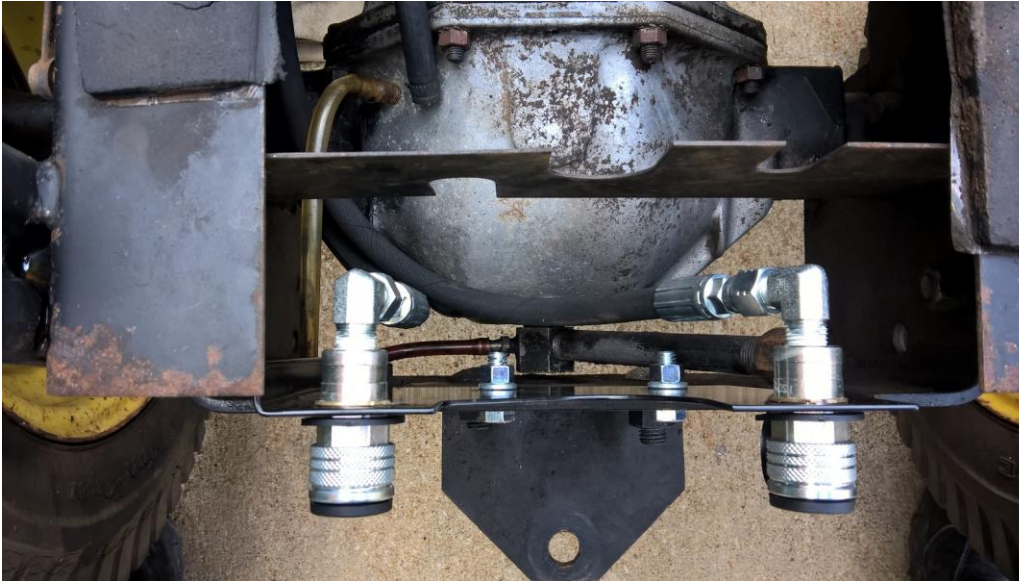


2b **H1 Hydraulic Control Valve: 312, 314 or top circuit on H2 control valve.**  
Connect Rear Hydraulic hoses to the control valve body per photo. Loosen rockshaft hoses from hydraulic cylinder then rotate to allow hoses to connect to tee fittings per photo. Orient hoses and fittings for clearance then tighten securely. No need to over tighten.



3 Route Rear Hydraulic hoses underneath the tractor in a most direct route and down the left inside of the frame.



<p>4 Route Rear Hydraulic hoses past the differential while next to frame as shown in photo. Using two frame clips secure hose inside frame. Ty-wraps are provided however are optional.</p>	
<p>5 Connect Rear Hydraulic hoses to the couplers as shown and tighten securely. Be sure to use a backup wrench on hose end to prevent winding hose.</p>	

**GO OVER THE ENTIRE INSTALLATION AND TIGHTEN ALL FITTINGS AND HOSES SECURELY. BE CERTAIN HOSES DO NOT LIE AGAINST MOVING PARTS OR SHARP EDGES.**

**GO OVER THE ENTIRE INSTALLATION AND TIGHTEN ALL MOUNTING AND ATTACHING BOLTS AND SCREWS. LOOK FOR BRACKETS AND PARTS NOT PROPERLY POSITIONED.**

**ASSEMBLE TRACTOR**

1	Check to be certain electrical wiring is properly oriented and secured. Electrical wiring lying against moving parts or sharp objects is a FIRE HAZARD.
2	Reconnect battery.

**THE HYDRAULIC SYSTEM IS SELF-PURGING. CONNECT IMPLEMENTS TO FRONT AND REAR HYDRAULICS AND CYCLE TO FULL STROKE AT LEAST 3 TIMES.**

**YOUR HYDRAULIC KIT IS NOW READY FOR USE.**