

# KOYKER MANUFACTURING LENNOX, SD

2 SPOOL PLUMBING KIT #680324

**CASE-IH MAXXUM 110-120-125-130-140 (PRO)**

**NEW HOLLAND T6010-T6020-T6030-T6040-T6050-T6060-T6070-T6080 (PLUS & ELITE) T6.155-T6.165-T6.175**

## INSTALLATION INSTRUCTIONS:

1. Mount kit should be installed before proceeding to ensure that there is no interference.
2. First locate the remotes kit to verify tractor. **See in Fig. 1-4.**
3. Install nine adapters (Part #13, 14, 19 & 21) into the pressure, return, load sense and all the working ports on the top of the valve. **TIGHTEN ALL THE CONNECTIONS SECURELY!**
4. Attach the valve plate (Part #3) onto the RH side of the tractor on the rear of the cab. Secure with two 8mm-1.25 P x 35 HH bolts and 5/16" lock washers (Part #37 & 32). **See in Fig. 1-1.**
5. Install the valve (Part #1) onto the valve plate (Part #3) with four 3/8" x 1 1/4" HH cap screws, flat washers, lock washers and hex nuts (Part #34, 38, 39 & 40).
6. Next remove the two front seat base bolts and install the joystick handle bracket (Part #6) with two 8mm-1.25 x 25 HH cap screws, 5/16" flat washers, and 5/16" lock washers (Part #31, 32 & 30).
7. Next attach the joystick handle bracket (Part #7) to the joystick cable control kit (Part #5) with two 5/16" x 3 1/2" HH cap screws, lock washers, hex nuts and flat washers (Part #31, 30, 32 & 33). **Note:** the locking tab on the base of the joystick must face to the rear of the tractor, if joystick needs a 1/4 turn remove the two metal sleeves for the bolts for joystick and reinsert them at a 1/4 turn. Then attach the handle bracket (Part #7) with joystick to base bracket (Part #6) with four 3/8"x1 1/4" HH capscrews, and 3/8" flange nuts (Part # 34 & 35). **Note:** Attach all fasteners loosely to allow for desired adjustment later.
8. There are removable plugs in the cab floor just ahead of the side console to route the cable ends down through the cab floor to the loader valve. Adjust the according brackets to acquire the most desirable position for the joystick handle and tighten all bolts. **See in Fig 1-2.**
9. When this has been done attach the cable ends to the valve body with the connector kits (Part #8) **Note: Make sure the joystick is in the locked position.** (Center the joystick and push the joystick tab in (located on the base of joystick) to lock joystick.) First screw the large nut on to the cable past the threads then put the small O-ring on the cable past the threads. Slide large O-ring on the connector and thread the cable connector with lock ring past the threads. Now thread the small nut and solid pin



Fig 1-1



Fig 1-2

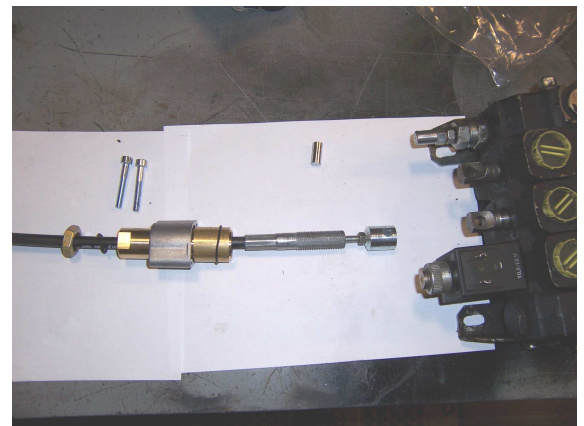


Fig 1-3

connector onto the cable and tighten. Now push pin connector onto the valve push rod and slide the solid pin through the aligned holes. Thread the cable connector to the valve by hand. **Note: Only hand tighten the valve connector, if over tightened the joystick will not be right.** Now slide large O-ring to the valve into the groove of cable connector.

Then slide the valve connector lock ring to the valve and bolt together with given Allen head bolts. Slide the small O-ring to cable connector groove on the end and thread the large nut to cable connector and tighten. **Note: Make sure the cable connector does not move. See in Fig. 1-3.**

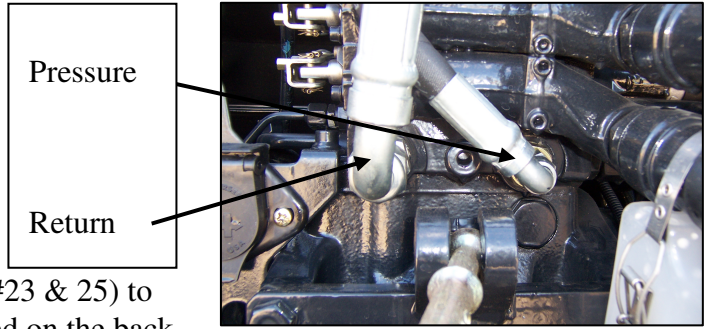


Fig 1-4

10. Route the 24" return and 30" pressure hoses (Part #23 & 25) to the proper ports on the loader valve already installed on the back of the tractor. Install two adapters (Part #16 & 17) for pressure and return on the tractor. **See in Fig. 1-4.**

11. Route the 26" load sense hose (Part #24) to the proper port on the loader valve, install adapter (Part #15) for load sense in to the tractor **See in Fig. 1-6**, if your tractor has a hose to the load sense port use adapters and shuttle tee (Part #15,18, 22, 11 & 12). **See in Fig. 1-5.**

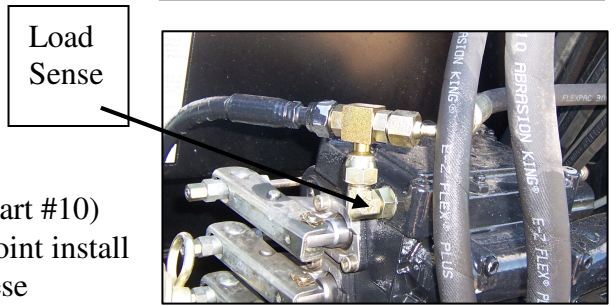


Fig 1-5

12. Next put the bulk head adapters with the female halves (Part #10) on the mid-mount coupler plate (Part #2). **Note: At this point install the male half of the colored plugs (Part #9) along with these couplers.**

13. Now install the mid-mount coupler plate (Part #2) with two 3/8" x 1 1/4" HH cap crews and flange nuts (Part #34 & 35) or use the optional exhaust bracket (Part #4) with three 12mm-1.75x35 bolts (Part #41) then bolt the coupler plate (Part #2) to it. **See in Fig. 1-7.**

14. Run the hydraulic 120" hoses (Part #27) from valve to mid-mount coupler. Elbows (Part#20) may be needed at the coupler plate.

15. After this has been done attach the male half of the quick coupler (Part #10) onto the 72" hoses (Part #26). **Note: At this point install the female half of the colored plugs (Part #9).** Attach the other end of the hoses to the steel oil lines on the loader frame. Then attach to the mid-mount couplers. Refer to the top view of the working port diagram and the loader manual to determine the function of the port. **TIGHTEN ALL THE CONNECTIONS SECURELY!**

16. Secure hoses together with the 36" of hose wrap and nylon ties to make sure they do not interfere with any tractor function.

17. Finally start the tractor, actuate the loader to charge the hydraulic system with oil and add hydraulic fluid to the tractor as required using the recommended fluid for your tractor. Refer to the tractor owner's manual for the details regarding hydraulic fluid levels.

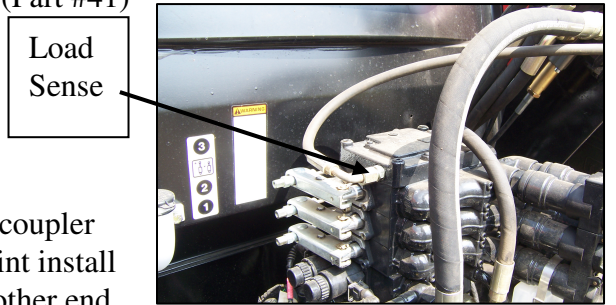


Fig 1-6



Fig 1-7