Third Function Valve Kit #380-149A
Installation Instructions

For B2320 Kubota Tractors with LA304 Loader, B2620 Kubota Tractors with LA364 Loader, and B2301 & B2601 Kubota Tractors with LA434 Loader

Assembly Instructions

Notes


1. This manual is written with the assumption that the tractor is not supplied with rear remotes or backhoe.
2. This valve kit is designed to operate hydraulic cylinders.
3. For further assistance write to:

   Land Pride Service Department
   P.O. Box 5060
   Salina, Ks. 67402-5060
   E-mail address: lpservicedept@landpride.com

Assembly Instructions

Initial Preparations

1. Park tractor on a flat surface, place gear shift lever in park, turn off engine, and remove ignition key.

Valve Assembly

Refer to Figure 1 & Figure 2:

1. Attach valve assembly support bracket (#1) to existing holes “C” on right-hand side of loader frame with M18-2.5 x 100 bolts (#7), 3-1/4" long tube (#3), 3-1/2" long tube (#4), flat washers (#11), and nuts (#9) as shown. Tighten nuts (#9) to the correct torque.
2. Route hydraulic hoses (#16 & #22) under the tractor platform and rearward toward the loader valve.

Connect Hydraulic Hoses to Power Beyond Ports

IMPORTANT: Land Pride recommends that your dealer connect hydraulic hoses (#16 & #22) to your tractor’s power beyond ports. Improper hook-up could cause damage to your tractor or valve.

1. Place chocks in front and back of tractor’s left rear wheel.
2. Loosen lug nuts on right rear wheel. Do not remove lug nuts at this time.
3. Jack right rear wheel off the ground and place a jack stand under the right rear axle.
4. Lower right rear axle onto the jack stand. The rear wheel should be slightly off the ground. Make sure jack stand is secure and will not slip out from under the tractor axle.
5. Remove lug nuts and right rear wheel.
6. Locate and remove the steel tube that is connected to the power beyond port.
Refer to Figure 3:

NOTE: Depending on tractor model and/or options, the seat support frame may need to be removed to performing the following steps.

7. Screw the larger hydraulic adapter (#14) to power beyond port at the loader valve until tight.
8. Screw elbow (#15) to adapter (#14) until tight.
10. Locate port on right-hand side of tractor where steel tube in step 6 was removed. Screw the smaller hydraulic adapter (#23) or 90° adapter (#25) to this port until tight.
11. Locate 62" long hose (#16) attached to “T” port in valve (#13). Screw hose to adapter (#23) or 90° adapter (#25) until tight.
12. Secure hoses (#16 & #22) to underside of tractor with cable ties (#5).
13. Install right rear wheel and snug-up wheel lug nuts.
14. Jack axle up and remove jack stand.
15. Lower tractor down and tighten rear wheel lug nuts in a crisscross pattern. Refer to tractor Operator’s Manual for proper torque value.
16. Remove chocks.
17. Check tractor hydraulic fluid level. If low, add recommended hydraulic fluid. Refer to your tractor Operator’s Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.

Control Lever Assembly
Refer to Figure 3 & Figure 4:

1. Remove existing knob (not shown) from end of control lever “D”.
2. Install new joystick (#17) over end of control lever “D” with push buttons facing operator as shown.
3. Tighten set screws (#6) against control lever. Tighten jam nuts (#8) to secure set screws (#6).
4. Thread joystick wiring harness (#18) through hole “E” beneath rubber floor mat.

Refer to Figure 3:

5. Reference Connections “A”: Connect one black wire in harness (#18) to one black wire in harness (#25) and the other black wire in harness (#18) to one white wire in harness (#25).
6. Reference Connection “B”: Connect the two red wires from joystick (#17) to wire (#20) on one end of fuse holder (#19).
7. Connect wire (#20) on opposite end of fuse holder (#19) to the positive (+) post on the tractor battery.

Refer to Figure 4:

8. Secure wiring with cable ties (#5) as needed.
Cross Beam Mount Assembly

Refer to Figure 3 on page 2 & Figure 5:
1. Orient as shown and attach bulk head mount (#2) to the right-hand side of loader crossbeam “F” with u-bolt (#12) and hex whiz nuts (#10). Tighten hex whiz nuts to the correct torque.

Refer to Figure 3 on page 2, Figure 5, & Figure 6:
2. Route hoses (#24) along loader arm and through loader hose loop bracket “G” to the third function valve assembly (#13).
4. Secure hydraulic hoses (#24) as needed with cable ties (#5).