Before You Start

When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it.

IMPORTANT: Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

To see color training photos on Dealer Access, select “Dealer Training” under PARTS SUPPORT and look for “Third Function Valves.”

Your BX Third Function Valve Kits are exclusively designed for Kubota 80 series BX tractors. Please read these installation instructions thoroughly before assembling this kit to your Kubota tractor and loader. Especially read information relating to safety concerns. Additional information on operation, maintenance, and troubleshooting can be downloaded free of charge from our website at www.landpride.com. Download Land Pride Operator’s Manual for the following models:

SGC0548 .................. 380-138M
SGC0554 .................. 380-275M
CB0550 .................... 381-139M

General Information

These assembly instructions in this manual apply to the following BX Third Function Valve Kit listed below:

380-289A 3FVK PC BX2680 THIRD FUNCTION
380-339A 3FVK FF BX2680 THIRD FUNCTION

A detailed listing of parts for these kits are provided on page 6. Keep this manual for ordering replacement parts from your nearest Land Pride dealer. This manual can also be downloaded free of charge from our website at www.landpride.com. Download manual 380-304M.

Further Assistance

Your dealer wants you to be satisfied with your new BX Third Function Valve Kit. If you do not understand any part of this manual, or are not satisfied with the service received, the following actions are suggested:

1. Discuss any problems you have with your Third Function Valve Kit with your dealership service personnel so they can address the problem.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question/problem, and request assistance.
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

A detailed listing of parts for 380-289A and 380-339A kits are provided on page 6 as a checklist to inventory parts received. The only difference between 380-289A and 380-339A is the first kit has pioneer couplers and the second kit has flat face couplers for connecting to the attachment’s hydraulic hoses.

Please contact your local Land Pride dealer for any missing hardware.

Initial Preparations

The steps listed below must be followed before installing this kit:

1. Park tractor on a flat surface, lower loader arms completely down, place gear shift lever in park, turn off engine and remove ignition key.
2. Continue on next page.
Assembly Instructions

Valve Mount Assembly (Shown Without Loader Arms)
Figure 2

Valve Mount Assembly
Refer to Figure 1 & Figure 2:
1. Attach valve mount (#4) to existing holes “A” in the tractor platform with one 5/16” x 1” bolt (#2), one 5/16” x 2” bolt (#3), and two hex whiz nuts (#6). Tighten hex whiz nuts to 17 ft-lbs.

Refer to Figure 1:
2. Attach valve (#13) to valve mount (#4) with two 1/4” x 3” hex head bolts (#5) and hex locknuts (#9). Tighten lock nuts to 8 ft-lbs of torque.
3. Route hydraulic hoses (#7A & #7B) to the right side of mounting bracket (#4) and beneath the tractor platform.

Connect Hydraulic Hoses to Power Beyond
Refer to Figure 1:

IMPORTANT: Land Pride recommends that your dealer connect hydraulic hoses (#7A & #7B) to your tractor’s power beyond ports. Improper hook-up could cause damage to your tractor.

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 wheel axle.
4. Lower right rear axle onto the jack stand. The wheel should still 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 hydraulic line that connects power beyond port on the loader valve to the outlet block. The outlet block is directly behind the right rear tractor tire.
7. Connect elbow fitting (#10) to the fitting on the outlet block where the hydraulic line was removed in step 6.
8. Connect free end of hydraulic hose (#7B) to elbow fitting (#10).
9. Connect free end of the hydraulic hose (#7A) to the fitting on the loader valve where the hydraulic line was removed in step 6.
10. Secure hoses (#7A & #7B) to the underside of the tractor with cable ties (#1).
11. Replace right rear wheel and screw lug nuts on until snug.
12. Jack axle up and remove jack stand.
13. Lower tractor down and tighten lug nuts in a crisscross pattern. Refer to tractor Operator’s Manual for proper torque value.
14. Remove chocks.
15. 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:*
1. Remove existing knob “A” from control lever “B”.
2. Install new joystick (#22) over end of control lever “B” with push buttons “C” facing operator.
3. Tighten set screws (#33) against control lever “B”. Tighten jam nuts (#34) to secure set screws.
4. Route wire harnesses (#37 & #38) down control lever “B” and through hole in rubber shield “D”.

*Refer to Figure 1 on page 2:*
5. Route wire harness (#38) under the tractor platform and along newly installed hydraulic line (#7) to the third function valve (#13).
6. Attach connectors on end of wire harness (#38) to solenoids on valve (#13).
7. Route wire harness (#37) with eyelets under the tractor platform to the tractor battery.
8. Connect red wire in harness (#37) to the battery’s positive (+) post.
9. Connect the black wire in harness (#37) to the battery’s negative (-) post.

*Refer to Figure 1 on page 2 & Figure 3:*
10. Secure wire harnesses (#37 & #38) with cable ties (#1).

**Bulk Head Mount**

*Refer to Figure 1 on page 2 & Figure 4:*
1. On the loader’s right-hand side, attach bulk head mount (#11) to the loader’s crossbeam with u-bolt (#12) and whiz nuts (#18). Tighten whiz nuts to 20 ft-lbs.
Hose Routing

Refer to Figure 5:
1. Route hydraulic hoses (#17) under pivot rod, through D-bracket, and in front of support latch to the left-hand loader arm.

Refer to Figure 6:
2. Thread hydraulic hoses (#17) under the loader arm and above the hydraulic cylinder pin connection.
3. Exit hydraulic hoses (#17) out from under the loader arm above the hydraulic cylinder pin connection.
4. Continue routing hydraulic hoses (#17) between the tractor and loader arm to third function valve (#13) as shown.
5. Connect female couplers (#16) to male couplers (#15) on valve body (#13).
6. Secure hydraulic hoses (#17) as needed with cable ties (#1) in Figure 1 on page 2).

Check Operation & Fluid Level

Refer to Figure 7:
1. Hook attachment to the tractor front loader and couple hydraulic hoses to bulk head pioneer couplers (#21) with Kit #380-289A or (#23 male & #24 female flat face couplers) with Kit #380-339A.
2. Raise attachment off the ground and operate Third Function hydraulics using the push-buttons on the newly installed joystick.
3. Refer to Figure 5: Switch hydraulic hoses at disconnect couplers (#18) if the attachment’s hydraulic cylinder(s) operate in the opposite direction intended.

IMPORTANT: Refer to your tractor Operator’s Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.

4. Once hoses and cylinder(s) are full of hydraulic fluid, check tractor hydraulic fluid level.
5. If low, add recommended hydraulic fluid.
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### Kit No. 380-289A or 380-339A VALVE KIT, BX THIRD FUNCTION

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## Assembly Instructions

![Assembly Diagram](70649)

### Part No. 380-302S  
**Push Button Control Handle**

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