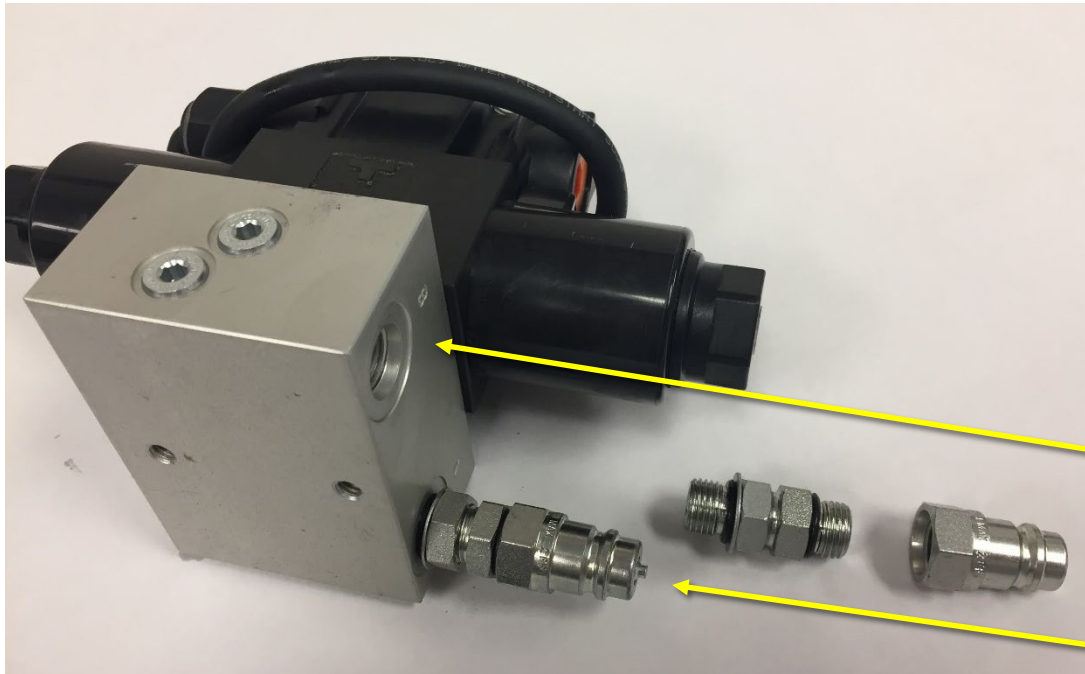




Dealer Training

BX 60 & 70 SERIES 3RD FUNCTION VALVE
INSTALLATION MANUAL PART# 380-137A



Assemble 3rd function valve:

Install fittings in **Port A** & **B**. Use two of PN# 811-636C (AD 9/16 STRAIT UNION) Install two of PN# 841-467C (Male tips) on other side of straight union.

B Port

A Port

On the other side of valve locate port P & T. Install one PN# 811-170C on each port. 48" hose PN# 841-563C will attach to P port fitting. 62" hose will attach to T port fitting.





Remove Platform carriage bolt on
RH side of tractor.

Position valve, male tips up.
Attach PN# 380-224D (BX Valve
Plate Mount).

Attach valve on rear side of
bracket as shown.

Attach Valve to bracket with two
 $\frac{1}{4}$ -20 x $\frac{7}{8}$ Allen Head bolts

Install bracket on platform with
bolt (5/16 X 1).

Thread hoses in front of platform
and rearward.

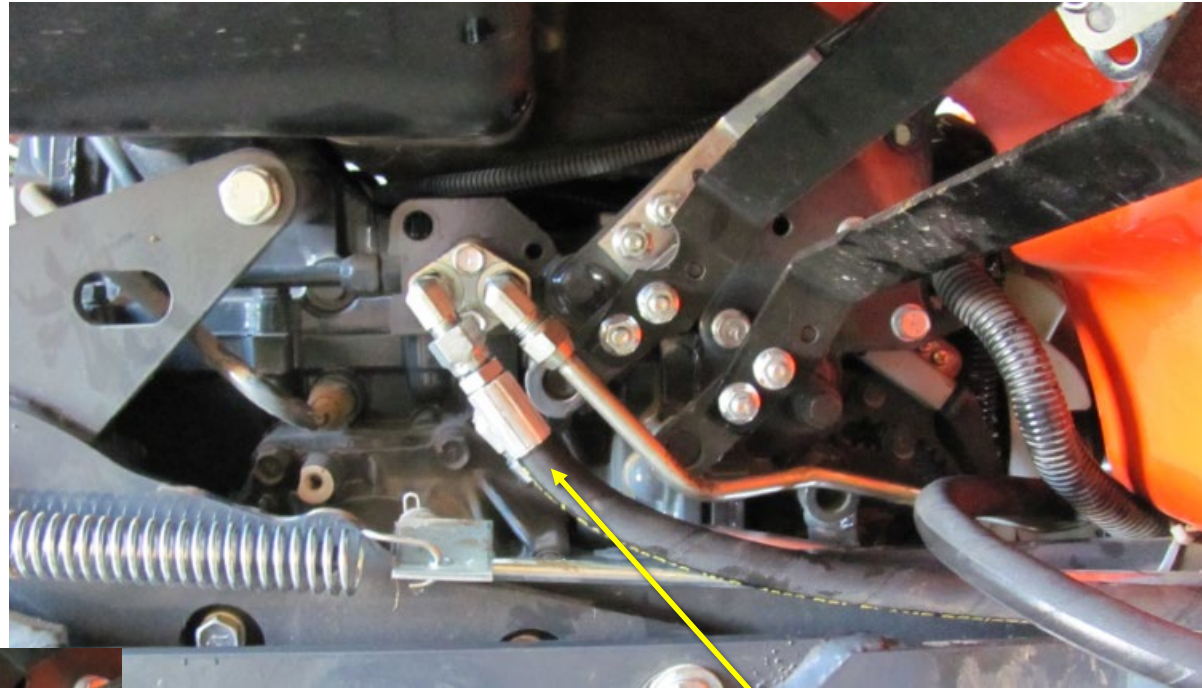
Tighten bolt/nut with bracket
square on tractor.



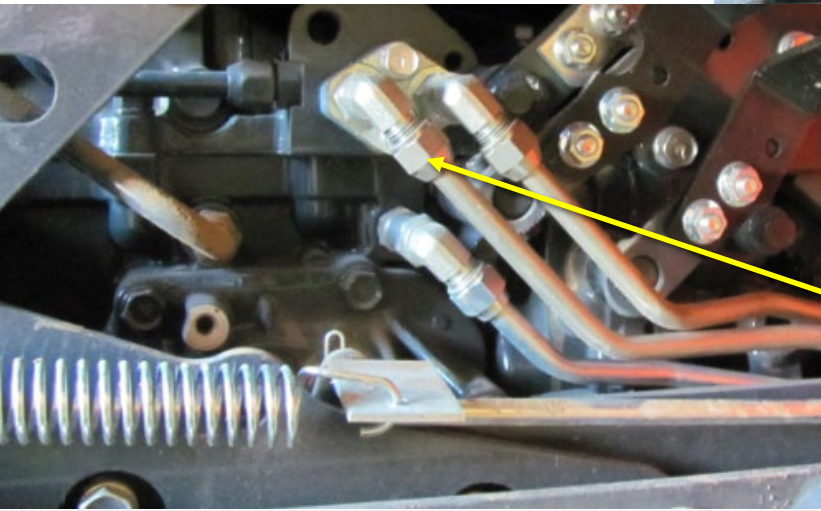
Under tractor loosen top fan guard bolts and remove bottom bolts under tractor. This will allow guard to swing down out of the way.



At the power beyond block (behind tire), remove line on back side (Pump Port not labeled). 48" hose attaches here. Goes to P port of valve.

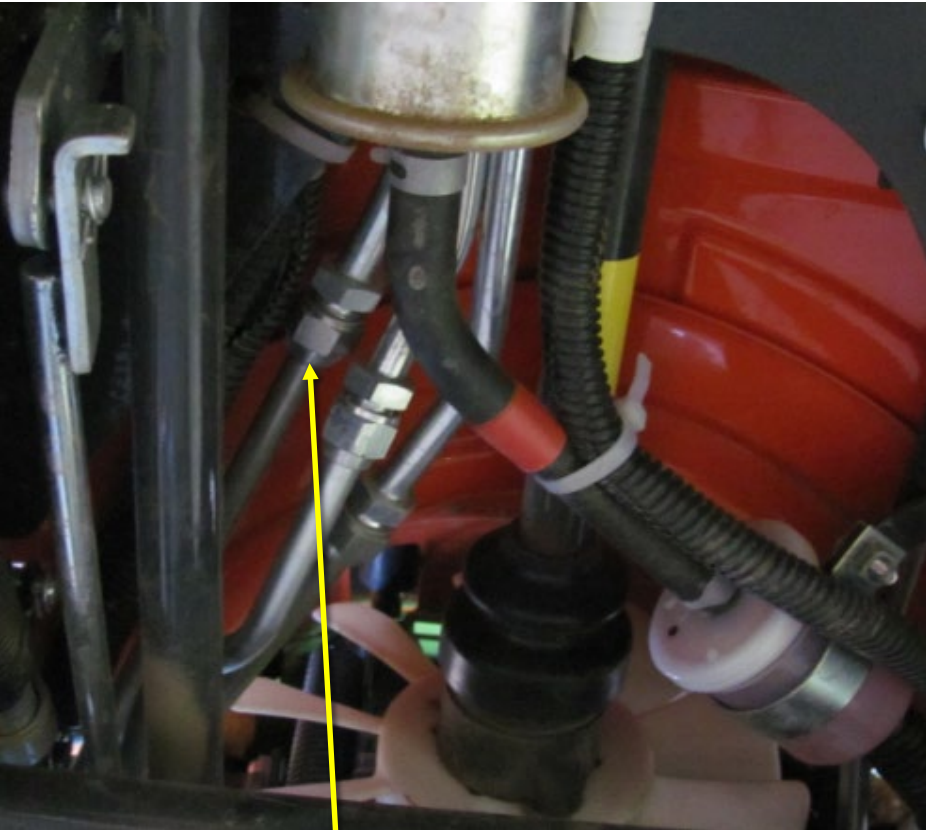


48" Hose installed

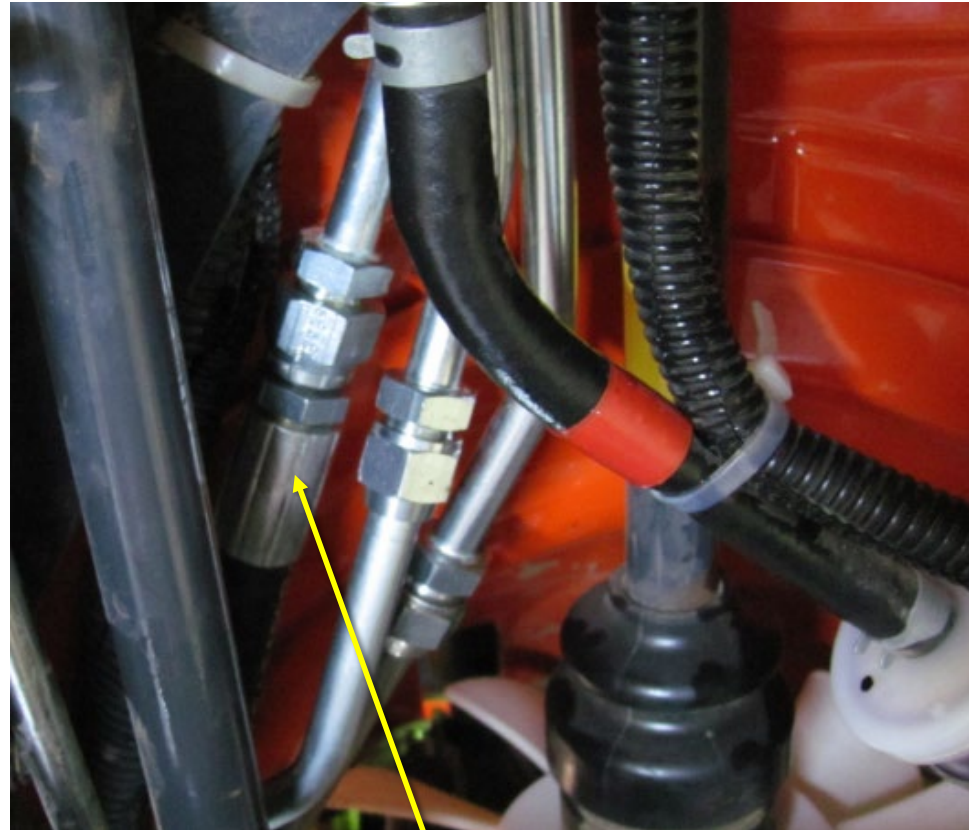


Remove rear line

Follow line under tractor and remove the next fitting on the same line (line closest to frame). 62" hose attaches here. From T port of valve.

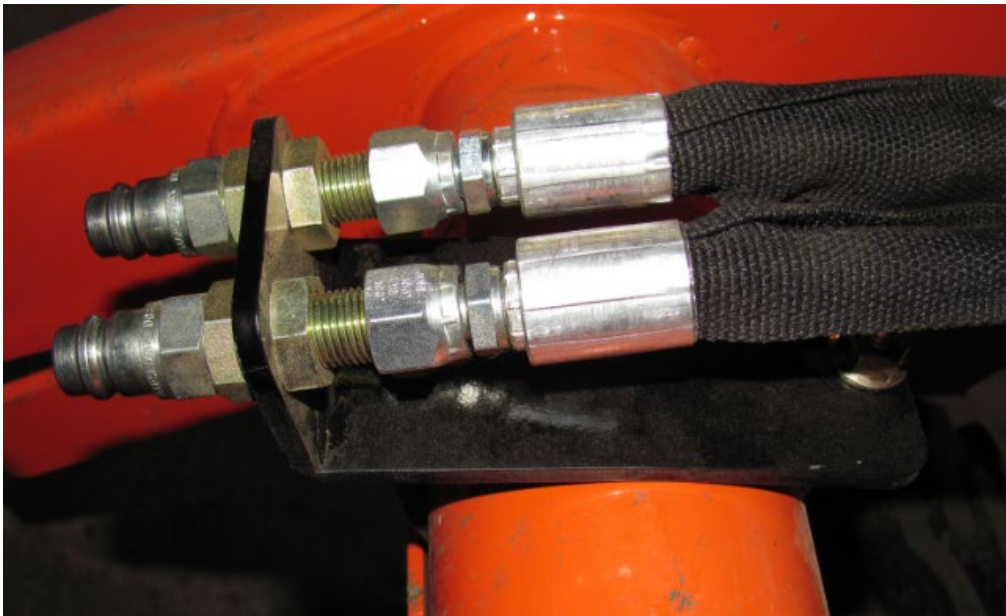


Remove Line next to frame



Install 62" hose

Install Bulkhead bracket to torque tube of loader. Install 2 PN# 851-276C, (bulkhead fitting) one in each hole of bracket. O ring to front/ Male JIC to rear. Jam nuts are used to hold them secure to bracket. Attach male tips to front side. Attach two 54" shielded hoses to JIC side. Run other end of hoses to valve and attach Female couplers and plug into mail tips at valve.



Attach hose holder bracket to RH loader arm as pictured.

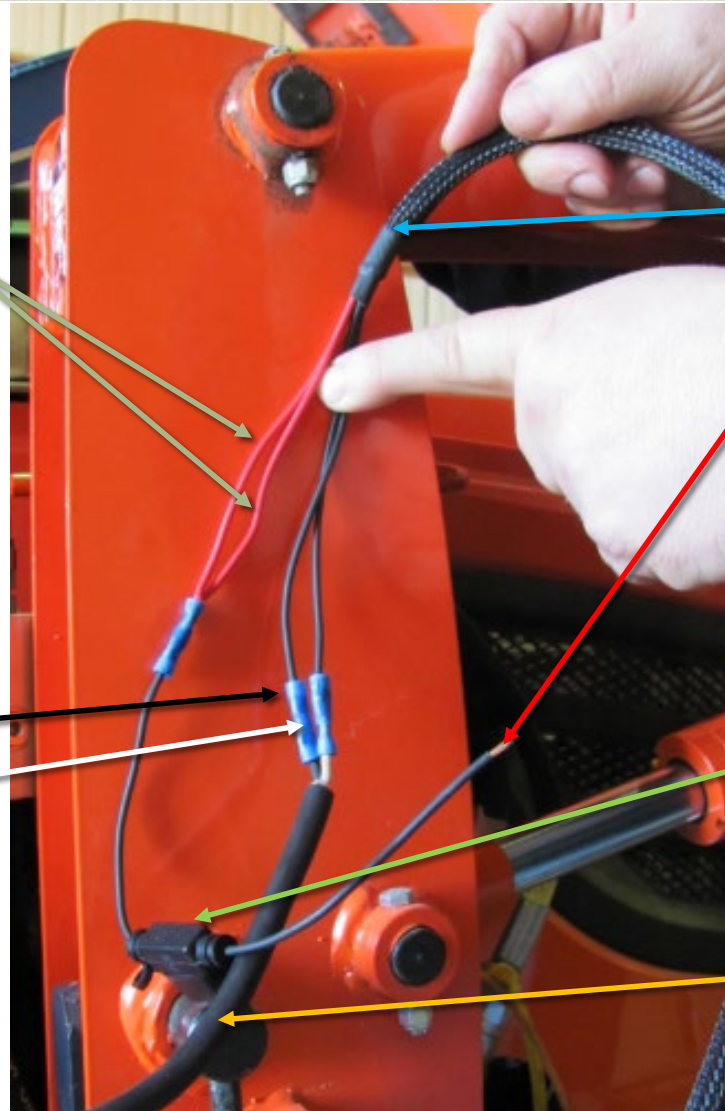


Remove loader knob (pulls off) assemble handle as pictured.
Attach handle to stem, make sure wire harness clears set screws.
Run wiring down stem (zip tie) to valve wiring harness.



The two **Red (+)** wires from the Control Handle will attach to Fuse Holder. Install supplied 10 AMP fuse, attach to Positive (+) battery post.

The two **Black** wires from Control Handle will need attached to pig tail from the Valve. Connect one **Black to Black** and one **Black to White**. (Butt connectors are not supplied). Secure all wiring with cable ties.



Wire Harness from Control handle

To Positive Battery Post

Fuse Holder

Wire Harness to Valve



Check the following:

Start tractor and check for leaks.

Check tractor hydraulic levels, add as needed.

Check to make sure 3rd function valve energizes and the indicator light on the front correspond to the button being pushed.

If not engaging check the fuse , if it is blown check the wires to make sure the set screws are not pinching the wires.

