

RX 36 41 46 51

143379 v1.1

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LANDROLLER LRX LRX 36/41/46/51

LRX36|41|46|51

SEQUENCE VALVE UPGRADE OVERVIEW

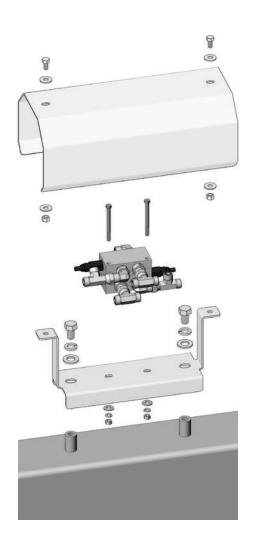
A sequencing valve upgrade has been introduced to the LRX Landrollers that helps simplify the Power-Fold process of opening and closing the LRX into and out of field postion. It combines all three operations for raising/lowering the End Wheels, closing/opening the swing arm Latches, and Power-Folding the Swing Arms into and out of field position.

This insert sheet will help step you through the change-over process. The required changes will include:

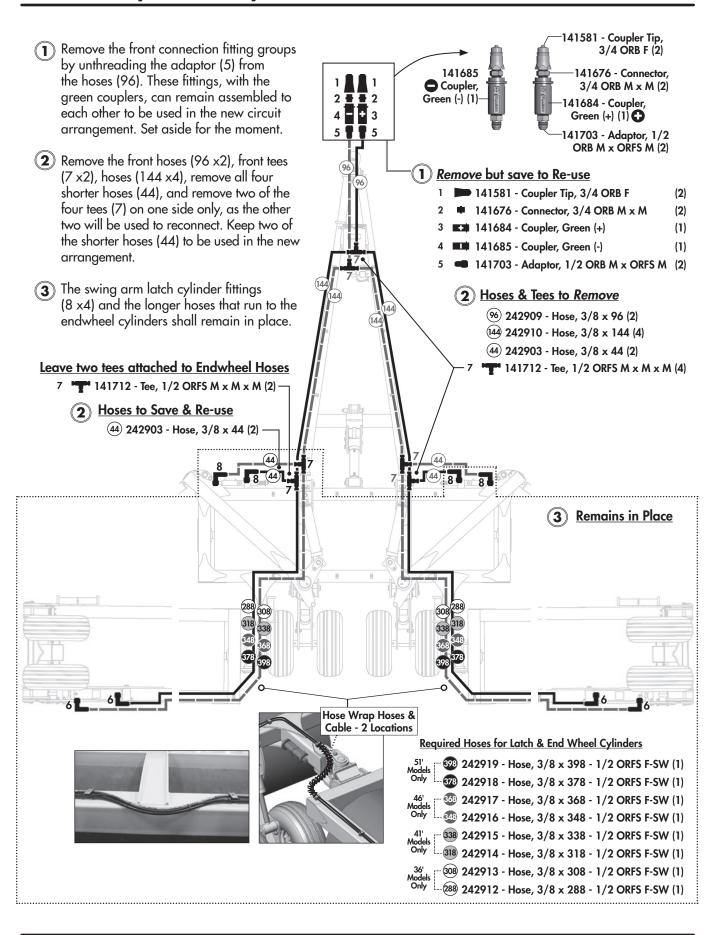
- Preparing and welding (2) threaded Bosses on frame for mounting the new Sequence Valve Assembly.
- Assembling Hyd Fittings to new Sequence Valve, installing onto new Base Plate and then onto the frame.
- Removing a few of the existing Hoses, re-routing new Hoses, and updating some Hyd Clamps.
- Installing the cover over the Sequence Valve Assembly.
- Installing/replacing a few of the Decals.

List of Kit Components

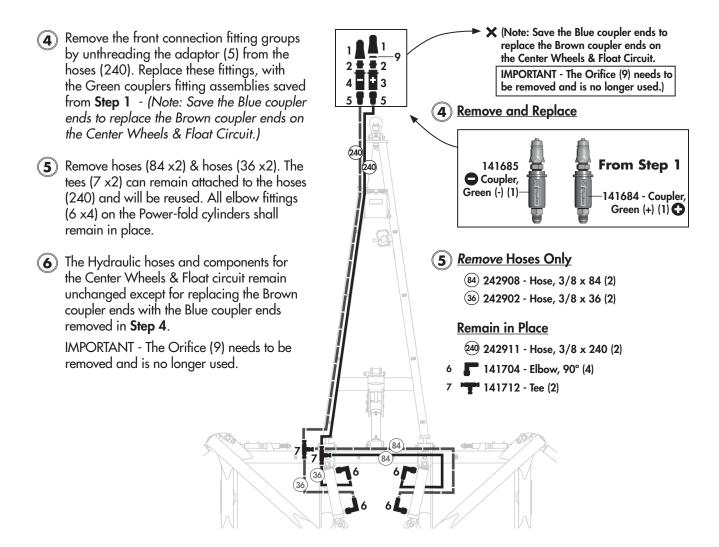
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141724 - Sequence Valve Assembly (1)
242838 - Sequence Valve Base Plate (1)
242839 - Sequence Valve Cover (1)
782389 - Boss, 1 OD x 1-1/2 (2)
142996 - Decal, Hyd Hose Label (1)
143368 - Decal, Important - Cyl Retract (1)
126771 - Hose, 3/8 x 24 - 1/2 ORFS F-SW (2)
242906 - Hose, 3/8 x 56 - 1/2 ORFS F-SW (3)
126772 - Hose, 3/8 x 68 - 1/2 ORFS F-SW (1)
242907 - Hose, 3/8 x 72 - 1/2 ORFS F-SW (2)
126713 - Hose, 3/8 x 56 - 1/2 ORFS x 1/2 F-90D (1)
126773 - Hose, 3/8 x 74 - 1/2 ORFS x 1/2 F-90D (1)
242958 - Bag, Hyd Fittings (1)
  141704 - Elbow, 90 (4)
  141703 - Nipple (2)
  141727 - Tee, M x F-SW x M (2)
  141728 - Tee, M x M x F-SW (2)
242959 - Bag, Hardware (1)
  118144 - Bolt, 5/16 x 1-1/2 (10)
  117517 - Bolt, 5/16 x 3-1/4 (2)
  118538 - Flat washer, 5/16 (2)
  118530 - Lock washer, 5/16 (2)
  118427 - Nut, 5/16 (2)
  118003 - Bolt, 3/8 x 3/4 (2)
  118511 - Flat washer, 3/8 (4)
  118417 - Lock Nut, 3/8 (2)
  118605 - Bolt, 5/8 x 1 (2)
  118508 - Lock washer, 5/8 (2)
  118537 - Flat washer, 5/8 F436 (2)
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Rework - Hydraulic Layout - Latch & End Wheels



Rework - Hydraulic Layout - Power-fold

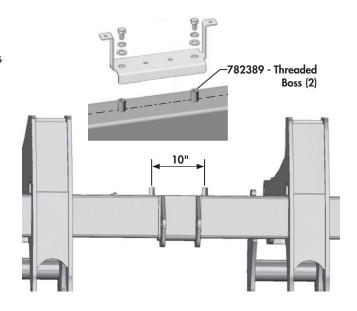


Rework - Prep & Weld Threaded Bosses onto Frame

The two threaded bosses (782389) need to be welded onto the front tubing of the center frame.

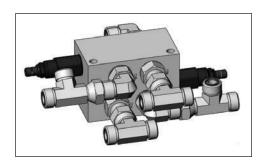
The bosses should be centered on tube as well as possible with a distance of 10" center-to-center apart from each other.

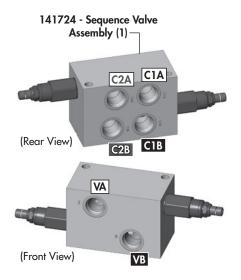
You will need to prepare the surface by grinding the paint from surface of tube before welding.



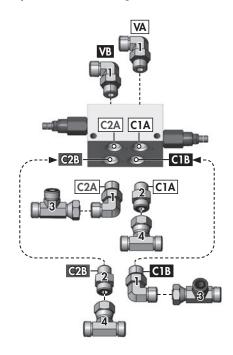
Sequence Valve Assembly

8 Assemble the hydraulic fittings into the Sequence valve as shown:





Sequence Valve Fitting Connection Overview

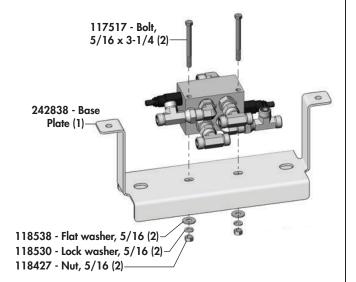


Hydraulic Fittings Required - Sequence Valve

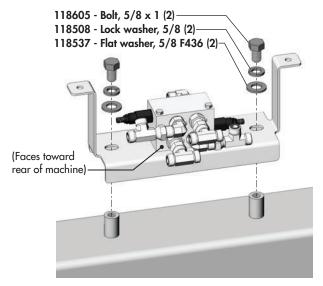
- 2 **141703** Adaptor, 1/2 ORB M x ORFS M (2)
- 3 141727 Tee, 1/2 ORFS M x F-SW x M
- 4 141728 Tee, 1/2 ORFS M x M x F-SW (2)

(2)

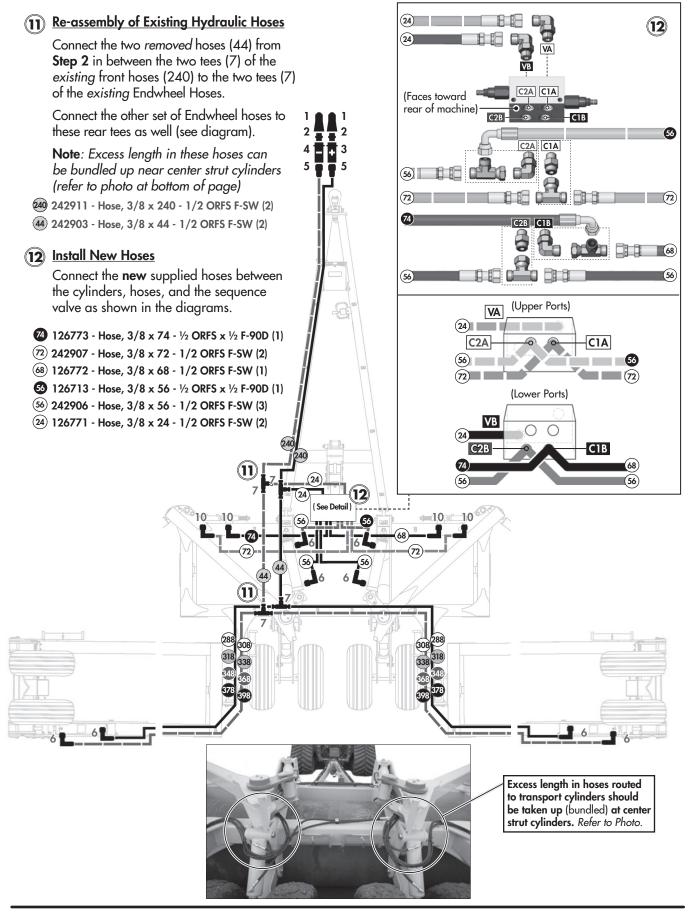
Assemble the Sequence Valve onto the Base Plate as shown:



Assemble the Sequence Valve Base Plate onto the new Threaded Bosses as shown:



Hydraulic Routing - Latch, End Wheel, & Swing Arm



Install Cover, Update Hyd Clamps & Decals

13 Install Sequence Valve Cover

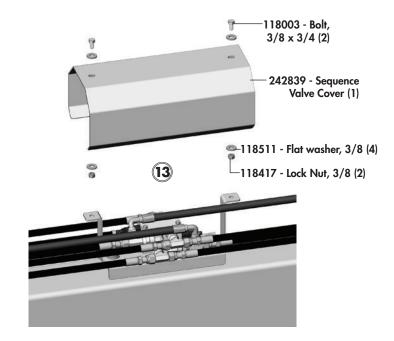
 Install Sequence Valve Cover using the included hardware as shown in diagram.

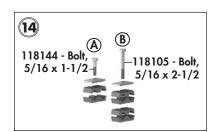
(14) Replace and Install Hose Clamps

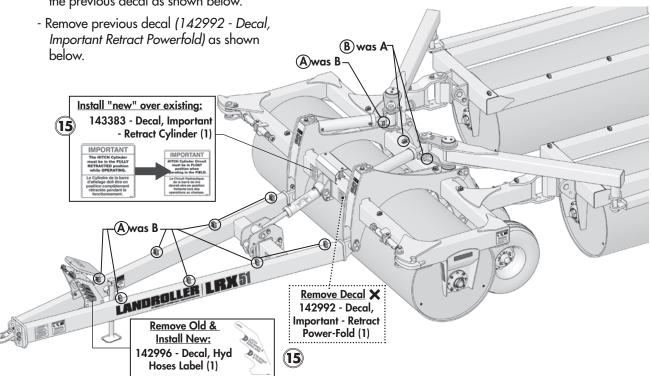
- Remove Double Hose clamps (B) on Hitch pole and replace with Single Hose clamp (A) configuration. New bolts (118144) are provided for these single hose clamps.
- Replace the Double Hose clamps (B) on rear center frame with Single Hose clamp (A) configuration.
- Replace the two Single Hose clamps (A) on rear center frame with Double Hose clamp (B) configurations. Use two of the longer bolts (118105) removed from the previous hitch pole clamp configuration.

(15) Install / Remove / Replace Decals

- Remove and replace previous hydraulic hose label decal with the new decal (142996 - Decal, Hyd Hoses Label).
- Install the new decal (143383 Decal, Important - Retract Cylinder) over top of the previous decal as shown below.







QUICK-START GUIDE* for LRX LANDROLLERS

* Refer to operators manual for complete safety and operation info.





A Connect Hydraulics

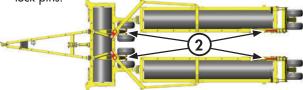
1 LATCH, END WHEEL & SWING ARM......Cylinders

2 CTR WHEEL & FLOAT....Hitch & Center Wheel Cylinders

B Opening into Field Position

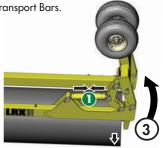
1) Drive the LRX Landroller onto an area of level ground large enough to open the wings. Ensure the Landroller is positioned straight behind the tractor.

2) Remove the four Red Transport Bars from the End Wheel & Center Wheel cylinders. Place the transport bars onto the frame mounted storage brackets and secure with the lock-pins.

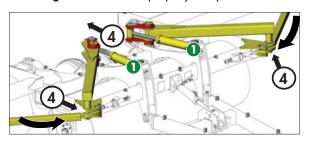


Note: You may need to activate (extend) the hydraulic cylinders slightly to allow easier removal of the cylinder Transport Bars.

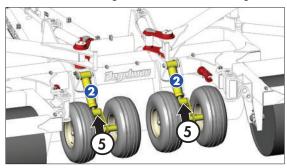
3) Activate the **1** End Wheel, Power-fold, and Latch circuit to completely raise the End Wheels and lower the ends of the wing roller drums to the ground.



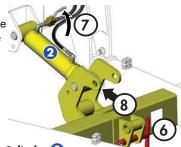
4) Continue activating this circuit 1 to fully extend the Power-fold Cylinders and open the wings. Ensure both of the Swing-Arm shafts latch properly into place.



5) Retract the Center Frame Cylinders 2 to raise the center frame wheels (lowering the center section to the ground).



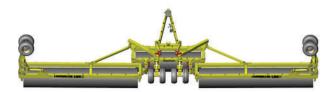
6) Remove the Red
Transport Pin from the
float hitch and secure
it in storage position.



7) Open the Hydraulic Ball Valve.

Fully Retract the Hitch Cylinder 2
to place the Landroller into Float Position.

9) The LRX Landroller should now be in the proper position for field use. Read manual for further information.



(Refer to operators manual for complete safety and operation info.)



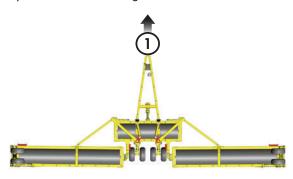
<u>Maintenance</u>

(Check Machine Daily)

- Check for missing, worn or damaged parts.
- Working points & pins
- Hydraulic Connections & Hoses
- Hubs & Spindles

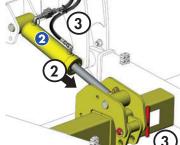
C Moving Into Transport Position

1) Drive the LRX Landroller onto an area of level ground with plenty of room to drive straight forward.



2) Fully extend the Front Hitch & Center Frame Cylinders 2. This places the float hitch

Ihis places the float hitch into **Transport Position** and also fully lowers the Center Frame Wheels (raising the center section off the ground).

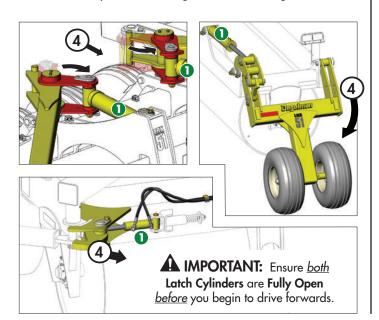


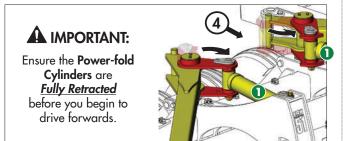
3) **A** IMPORTANT:

- <u>Secure</u> the **Float Hitch** in place with the **Red Transport Pin.**
- Close the Hydraulic Ball Valve.
- 4) Activate the End Wheel, Power-fold, and Latch circuit. Since this is a combined circuit, the Power-fold cylinders will start to retract and the End Wheels may start to lower at the same time.

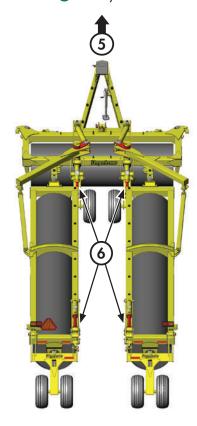
When the **Power-fold** cylinders are retracted the pressure will increase enough to activate the **Latch Cylinders**.

Continue to activate **1** until <u>both</u> Latches are open, the **Power-fold** cylinders are <u>fully</u> retracted and the **End Wheels** have been <u>fully</u> lowered raising the drums off the ground.





5) Drive forwards until drums trail behind center frame.
Ensure End Wheels 1) are fully lowered into transport position.



6) Install the four Red Transport Bars onto the End Wheel & Center Wheel cylinder shafts and secure in place using the lock-pins.

Ensure front **Red Transport Pin** has also been installed correctly into the float hitch (refer to step 3).

7) Read and follow necessary safety procedures outlined in Transport Safety section of the manual.