

50% or 60% Boom Shut-Off User Guide

Overview: This user guide provides instructions on operating the 50% or 60% Boom Shut-Off. There is also instruction for users who also have the Right-Hand Boom Shut-Off installed on aircraft.

Latest Version of the "50% or 60% Boom Shut-Off User Guide"

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User Instructions



1. Before using the boom shut-off, set up the boom sections in the GPS so that the flow control valve will appropriately change the flow rate to maintain pressure in the boom sections.
2. If any valve is powered, the blue push-to-test lamp will light.
3. When the "%LH & RH" toggle is in the ON position, both partial valves are powered, providing a 50% or 60% swath width, depending upon the kit installed on the aircraft.
4. The "%LH & RH" toggle will need to be in the OFF position to operate the left and right partial booms separately. With the "%LH & RH" toggle set to OFF, an operator may power the right or left partial valve individually by setting the toggle to "%RH" or "%LH."
5. For full swath width, all toggles need to be in the OFF position.
6. If the Right-Hand Boom Shut-Off is installed, the right-hand valve is powered when the "FULL RH" toggle is in the ON position, providing half of the effective swath width. For example, if the full swath width is 80 feet, the swath width is around 40 feet.

NOTE: The "Full RH" toggle will only work if the Right-Hand Boom Shut-Off kit is installed. It is not required for the 50% or 60% Boom Shut-Off to work with the aircraft.

Testing the System

Before applying a chemical application, test the sprayer for leakage and proper spray patterns with plain water. This allows you to familiarize yourself with the operation of the system.



Warning: Transland recommends pattern testing nozzles at a SAFE Clinic.

NOTE: For nozzle setup, visit Transland's website. Navigate to the nozzle page for the setup calculator.

Best Practices

1. Flush out the system after every job so that the system is clean when stored.
2. Before and after each job, visually check across the boom for any cracks on boom, cracks on nozzles, and bad nozzles.
3. Verify all the wiring to the valves are properly connected. Also, examine wiring for any damage.
4. Replace all leaky valves.
5. ALWAYS follow the label on the products.



Warning: Certain chemicals may damage the pump valve if allowed to soak untreated for a length of time. ALWAYS flush the pump as instructed after each use.

www.translandllc.com

1206 Hatton Rd., Wichita Falls, TX 76302

Toll Free Phone: 800-388-2511

Sales@translandllc.com

