

AutoSPRAY CASE SPX Installation Manual

I. Description

- a. The Leica AutoSPRAY is compatible with a wide variety of spray rate controllers. Leica has a range of easy to install interface cables available for most spray rate controllers.
- b. Most spray rate controllers have a single wire for each section from the controller to the solenoid or valve on the actual boom spray which regulates when the section is ON or OFF. Different controllers will have section switches built into the controller unit, whereas others will have separate or remote switches installed elsewhere in the vehicle for ease of use.
- c. The Leica AutoSPRAY works in a similar format to the remote switches. The AutoSPRAY will energize individual wires for each section which will open the solenoid or valve for that respective section. When necessary, the sections will be de-energized and the sections will close accordingly.
- d. This manual will describe the installation of the 1-2830 cable onto a CASE SPX sprayer
- e. Compatible Vehicles
 - i. CASE SPX 3150
 - ii. CASE SPX 3185
 - iii. CASE SPX 3200
 - iv. CASE SPX 4260

II. Installation: This section describes how to connect and install the CASE SPX AutoSPRAY cable. The installation and configuration of the Leica guidance system is detailed in the appropriate User Manual.

- a. Installing the CASE SPX Boom AutoSPRAY cable (1-2830)
 - i. Locate the wiring panel inside the cab with the rocker section switches.
 - ii. Remove the screw holding the panel with the switches and lift the panel to find the 6 pin connector with the section switches.
 - iii. Disconnect this 6 pin connector and "T" in the Leica 1-2830 cable between the two connectors.
 - iv. The other end of the cable with the round connector can be run through the electrical panel and into the cab in the front corner of the cab. This cable must be connected to the back of the Leica AutoSPRAY unit.
 - v. All AMP connector have keys so that they will only fit one way and are twisted clockwise to lock the connector in place.
 - vi. Leave two wires disconnected to link them to the Master cable wires later on.
- b. Installing the CASE SPX Master AutoSPRAY detect wire
 - i. With the section switch panel still open locate the grey wire with a red stripe. This is the master wire from the floor dimmer switch.
 - ii. Splice the master wire from the 1-2830 cable with this wire for automatic master detection.

III. Testing

Leica **AS7500**

- a. The test will require that the AutoSPRAY controller be connected as described above and that the spray rig be partially filled with water to undertake an in-field test. The master detect should be tested first and then the section switches.
- b. To test the master, make sure the AutoSPRAY has been set up for "external" master control. Refer to the AutoSPRAY User Manual on how to do this. With the power ONO in the sprayer and the rate controller running, watch the master symbol on the Leica AutoSPRAY unit and turn the master ON by pressing the master dimmer switch in the cab. The master symbol on the Leica AutoSPRAY should show that the master is now ON. Turn the master OFF again by pressing the dimmer switch and verify the symbol on the AutoSPRAY reflects that it is now OFF.
- c. With the master ON and all of the section switches in the OFF position, run the self test in the Leica AutoSPRAY controller. Verify that every section turns ON and OFF. Also verify that the section turn ON and OFF in the proper order. They should cycle from left to right when viewed from the back of the boom looking forward.

IV. Disclaimer

- a. No liability is assumed with respect to the use of the information contained herein. While every precaution has been taken in the preparation of this manual, Leica assumes no responsibility for errors or omissions and is not liable for any damages resulting from the use of the information. Further, this manual and the features described are subject to change without notice.
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