

Spraytest

CONTROLS INC.



Model ST16

Remote Boom Control

Introduction

Congratulations on your purchase of the ST16 SprayTest. It is a tool that is designed for checking and servicing your sprayer that saves you time and chemical, as well as providing safety for you.

Getting Started

Please follow the steps below to help make your installation easier:

- Check the package contents.
- Install the ST16 control box.
- Install the included harnesses.
- Test the unit.

Package Contents

Each ST16 SprayTest should include the following components:

- ST16 control box
- ST16RC – 16 button remote
- Harness to fit your sprayer

ST12 Installation on Apache 9 & 10 section

1. Mount control box on center section. Mount so that it is in a hanging position. This means that you see the antenna is up.
2. Connect the harness at the box. Boom #1 is the boom section located at the far left side of the sprayer. Locate the solution valve for that section and disconnect the connector at the valve and install the SprayTest harness included between the factory connectors. The SprayTest harness simply tees into the existing harness.
3. Continue to connect the Spraytest harness to Boom #s 2,3, + 4 and so on in the same way as you did for section #1
4. There is a diode holder at each connector on the SprayTest harness. Position so that the cap is on the top and will shed moisture. You may need to wire tie it in this position.

Note: There is a diode in the weather proof fuseholder in the harness. This diode, if removed, must be replaced with the little arrow aimed at the wire going to the valve. This diode prevents any electrical current from flowing back to the sprayers control panel. Failure to re-install this correctly could damage your sprayer control and prevent it from opening the sprayer valves.

Testing

The Spraytest can be tested without starting the sprayer.

1. Turn the rate controller to manual.
2. Turn off auto sectional control if sprayer is equipped with this feature.
3. The pump switch needs to be on.
4. Turn off master switch to booms and/or all boom switches.
5. Push and hold button #1 and the left boom valve will open/spray.
6. Push and hold button #2 and the second boom valve will open/spray.
7. Continue to test the remaining sections.

Troubleshooting

1. Check the remote to make sure that the battery is good. Press and hold any button and watch to see if the light comes on. If the light doesn't come on, change the battery and test it again. If the light doesn't come on after the battery is changed, the remote is faulty.
2. Check the ST16 to make sure that there is power to it. Turn on the key and press any button on the remote while listening for a clicking sound. If there is no clicking sound coming from the box, take the cover off of the box and check the fuse. If the fuse is good, check to make sure that the control box is connected to a good 12V power source and ground. If there is still no clicking sound from the control box after making sure there is a good connection to a power source and ground, the ST16 is faulty.
3. Check to make sure that the SprayTest connectors are plugged into the right connectors from the valves on the sprayer.
4. Check to see if the valves open and close with the remote. You should be able to hear the valves as they open and close. If you don't hear the valves opening and closing, go back to the cab of the sprayer and turn the sprayer switches on to make sure the valves are opening and closing with the switches. If the valves don't work with the SprayTest harness connected, check the diodes in the harness. They're located in the weatherproof fuseholders on the adapter harness. Remove the weatherproof cap on the fuseholder for each valve and make sure that the little arrow on the top of the diode is pointed toward the wire going to the valve (should be facing the "A" terminal on the diode holder). Test the valves with the switches again.

For help call: **306-859-1200**

Warranty is limited to one year parts and labour. Any attempt to repair or alter the unit will void warranty.



Spraytest

C O N T R O L S I N C .

411 Railway Ave
P.O. Box 269
Beechy, SK S0L 0C0
Canada

Phone: 306-859-1200
Fax: 306-859-2188
Email: spraytest@sasktel.net
Website: www.spraytest.com