

Sprayest

CONTROLS INC.



Model ST6005

Remote Boom Control

Introduction

Congratulations on your purchase of the ST6005 Remote Boom Control. 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 ST6005 control box.
- Install the included harnesses.
- Test the unit.

Package Contents

Each ST6005 Remote Boom Control should include the following components:

- ST6005 control box
- 4-button remote
- Adapter harness specific to the sprayer it was ordered for
- Power harness (necessary for some sprayers)

ST6005 & General Harness Installation

1. Choose a location near the sprayer valves to mount the control box.
2. Securely fasten the box down.
3. Find the connectors from the valves or sprayer harness. (**All sprayers** except those listed later in this guide.)
4. Starting with the valve that controls the boom section that is the furthest to the left, disconnect the connector and plug the adapter harness connector labeled "1" (black wire) in between.
5. Continue working left to right until all the valves have been connected to the harness.
6. Securely fasten all harnesses to the sprayer, allowing for movement of spray booms and ensuring that the wires will not be pinched. Make sure that the fuseholders on the harness between the connectors are installed in such a way that the cap is up to prevent moisture from entering into the fuseholder. Use a wire tie through the hole in the cap to hold it in position if necessary.

6-wire cable	
Wire Color	Boom Section
Black	1
Blue	2
Red	3
Green	4
Yellow	5
Brown	6

4-wire cable	
Wire Color	Boom Section
Brown	1
Yellow	2
Red	3
Green	4

Note: There is a diode in the weather proof fuseholder near the end of the harness that attaches to the valve. This diode, if removed, must be replaced with the little arrow aimed at 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.

Solenoid Valve Harness

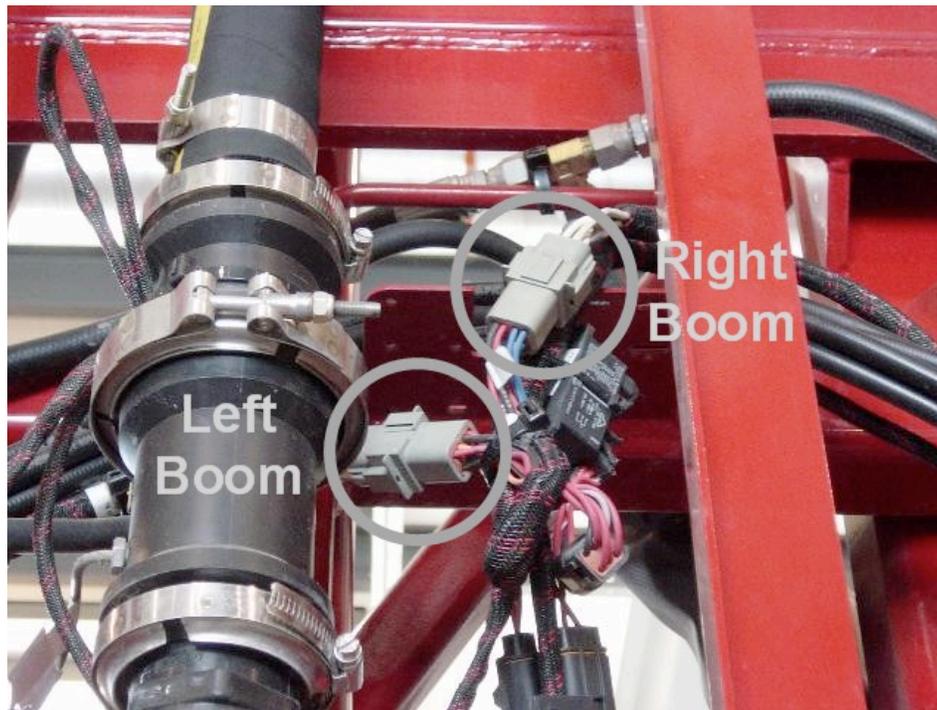
1. Install the ST6005 control box as described in the previous section.
2. Unplug the switched wire from the solenoid and plug in the wire labeled “1” (black wire) on the adapter harness.
3. Plug the switched wire back into other connector on the adapter harness.
4. Continue working left to right until all the valves have been connected to the harness.

Case IH SPX4260

1. Install the ST6005 control box as described in the previous section.
2. Locate the Weatherpack connectors at the back of the tractor unit, where the spray boom connects. There should be five or six 3-pin connectors depending on the sprayer.
3. Disconnect the connector for the boom section that is furthest to the left and plug the connector on the adapter harness labeled “1” (black wire) in between.
4. Continue working left to right until all the valves have been connected to the harness.

Case IH SPX3200 (including SPX4410, SPX3185, SPX3310)

1. Locate the two grey plugs at the back of the sprayer. They are circled in the picture below.



2. Disconnect the plugs from the left boom and plug the SprayTest "Left Boom" plugs into them.
3. Repeat Step 2 for the right boom.
4. Connect the SprayTest adapter harness to the ST6005 control box.

Rogator 854 (including 1054, 1254)

1. Identify connector shown in the picture below. This is located under the air valves on the right side of the foam marker.



2. Disconnect the wiring harness from the bottom of the valve box and plug the harness into the plug on the valve.
3. Reconnect the original harness to the adaptor harness.
4. Connect the included power harness to a 12 volt source (preferably a keyed source) and a good ground.
5. Connect the SprayTest adapter harness to the ST6005 control box.

Rogator 1064 (including 864, 874, 1074, 1264, 1274)
or Willmar 8650

1. Identify the connector as shown in the picture below. It is located at the back of the sprayer near the mast.



2. Disconnect the wiring harness and plug the SprayTest adapter harness in between.
3. Connect the SprayTest adapter harness to the ST6005 control box.

Testing

1. Start the sprayer with the switches off.
2. Push and hold button #1 and the left boom will spray.
3. Push and hold button #2 and the second boom from the left will spray.
4. Continue to test #3 and #4.
5. To test #5 –press buttons 1+2 at the same time.
6. To test #6 –press buttons 3+4 at the same time.

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 ST6005 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, check to make sure that the ST6005 is connected to a good 12V power source and ground. If there is still no clicking sound from the ST6005 after making sure there is a good connection to a power source and ground, the ST6005 is faulty.
3. Check to make sure that the SprayTest connectors are plugged into the right connectors from the valves on the sprayer. The SprayTest harness is numbered 1-6 (depending on the sprayer) with 1 being the left boom.
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 valve. Test the valves with the switches again.

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

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