Section/Rate Control Kit Installation Guide

Kit: SECT RATE CTRL SPX-20 30 P/N 911-0015-000

Fits CaselH Sprayers Models:

3230/3330	(2008 and later)
4420	(2009 and later)
4430	(2012 and later)



Read and Follow Safety Messages

- In these instructions, you may see the heading WARNING and the safety alert symbol Λ . They indicate a hazardous situation that, if not avoided, could result in death or serious injury. The safety messages provide information to identify a hazard associated with potential injury.
- Before installing, operating, or performing maintenance or service on any part of the system, read and understand this installation guide.
- Do not allow anyone to operate without instruction.
- Keep these instructions and all related safety information with the manuals for your machine and other implements.

If you have questions or need assistance, contact your local dealer or distributor.

Overview

A series of equipment-specific kits has been developed to enable the AC110 section/rate controller to interface with your product rate controller. This kit contains the components and instructions to connect an AC110 with the CaseIH sprayer models listed above.

Please read this manual thoroughly before beginning the installation.

Kit Contents

Unpack this kit and identify the required parts as shown. Kit items are referenced A, B, C etc. and those references are used in the installation steps and pictures.

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
A	054-0203-000#	1	Interface cable (The cable can be split to facilitate routing into/ out of the cab)	
В	750-5006-000#	1	Section/rate controller (AC110)	
С	051-0288-000#	1	CAN loop back connector (terminator) (Connects to A)	
D	054-0211-000#	1	Boost module replacement cable (Replaces the machine's boost module cable - if installed)	
E	054-0144-000#	1	Power cable (Connects to B [with A])	
F	051-0067-005#	1	Input/output splitter ('Y') cable (Connects A to MAX 'white cable')	

Kit Contents (continued)

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
G	054-0185-000#	1	Power switch cable	
			(Connects to A)	
Н	677-2001	20	Tie strap, 11" heavy duty	

Installation and Connections

1. Install and connect the AC110.

- The text and figures in this section detail the installation of the AC110 and the connections you will need to make. Exactly when you install the AC110 and make the connections depends on individual installations and your working preferences. See "Appendix - AC110 Cables and Connections" on page 6.
- a. Under the machine, from the left side, locate the outward-facing bracket below the tank and outboard of the sprayer's main pump (Figure 1a note AC110 already fitted).

Using ties **H** (or your own hardware), attach the AC110 **B** to the bracket (Figure 1a—see next step for AC110 connections).

Install the loop back connector (terminator) C in the appropriate connector on interface cable A then connect A (main plug and power connectors) to AC110 B, red to + positive, black to - negative (Figure 1b). Do not refit terminal nuts yet.

Connect the non-fused end of power cable **E** to AC110 **B**. Refit the terminal nuts and tighten the power connections (Figure 1b).

2. Install and connect the interface cable: inside the cab.

With the in-cab section of cable **A**, complete the following connections.

- a. Using the splitter ('Y') cable F (but see note following), tie into the existing CAN connection. For example, connect F between the 7-pin CAN connector labeled "ECU" on the Outback MAX cable (with the white main connector) and the 7-pin CAN connector on interface cable A (Figure 2a).
- You can use splitter cable F as an extension cable between interface cable A and the CAN connection "ECU" on the (white connector) Outback MAX cable. You can also use cable F to connect the switchbox if installed (Figure 2a).
- b. Connect power switch cable **G** to the 4-pin connector on interface cable **A** (Figure 2b).
- c. Route the split connector of cable **A** out of the cab (or the out-cab section's split connector of cable A into the cab) for later reconnection (not shown).



Figure 1a: AC110 installation



Figure 1b: Connections at AC110



Figure 2a: Splitter cable connections



Figure 2b: Connecting the power switch cable

- 2. Install and connect the interface cable: inside the cab (*continued*).
- d. Route cable **A**'s master switch cabling to the electronics compartment beneath the training seat and 'T' in cable **A**'s connectors at the machine's harness loop connector labeled "FOAM ADVANCE" (Figure 2c, left and right images with insets).
- e. Route the pump switch around the cab to a suitable mounting location (not shown).
- **NOTE:** Some machines are equipped with pop-out tabs that you can remove and replace with this pump switch.
- 3. Install and connect the interface cable: outside the cab.
- a. Locate the machine's bulkhead connector set under the rear of the cab (Figure 3a).

Disconnect the machine's connector #5 (Figure 3a, left inset) and 'T' in the appropriate connectors of interface cable **A** (Figure 3a, right inset).

b. Under the machine, route cable A's Remote/AIM connectors to the machine's Remote/AIM cable connection (above the remote load station's intake hose near the pump end Figure 3b-i, with insets).
'T' in A's connectors (Figure 3b-ii with insets).



Figure 3b-i: Machine's Remote/AIM connection/disconnection

c. Under the machine locate the existing single product node harness (within or near the AC110 mounting bracket), which may or may not be connected (Figure 3c - top left, existing connections; top right, unused or disconnected harness connectors).

Split or uncap the harness connectors as required (Figure 3c, top right) and connect the appropriate branch cables of cable **A** to the harness's open connectors (Figure 3c, bottom).



Figure 2c: Master switch cable installation



Figure 3a: Main cable to harness connection



Figure 3b-ii: Interface cable (A) Remote/AIM cables connected



Figure 3c: Connecting to the single product node harness

4. **Replace the boost module cable (if installed).**

Locate the boost module cable connected to the PWM valve solenoid (Figure 4) and replace it with cable **D**.

5. Complete the installation.

NOTE: If your AC110 connections are not yet complete, refer to step **1. Install and connect the AC110**, page 4.

- a. Reconnect the two sections of cable **A** and connect the fused end of power cable **E** to the machine's battery.
- b. Secure all cabling with tie straps **H**.

© AgJunction Inc. (2014). All rights reserved.



Figure 4: Boost module cable replacement

Appendix - AC110 Cables and Connections

