

Section/Rate Control Kit Installation Guide

Kit: SECT RATE CTRL FLEXI-COIL
P/N 911-0013-000

Fits Flexi-Coil SP655 Controllers

Read and Follow Safety Messages

- In these instructions, you may see the heading WARNING and the safety alert symbol . 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 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	054-0159-000#	1	Interface cable	
B	750-5006-000#	1	Section/rate controller (AC110)	



Kit Contents *(continued)*

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
Note: Item C is not used in this installation				
D	054-0185-000#	1	Power switch cable	
E	051-0067-005#	1	Input/output splitter ('Y') cable	
F	054-0172-000#	1	Pressure sensor switch extension cable (Use to extend A)	
G	051-0288-000#	1	CAN loop back connector (terminator)	
H	750-5012-000	1	Pressure transducer ('sensor')	
I	677-2001	20	Tie strap, 11" heavy duty	

Installation and Connections

1. Install and connect the AC110.

NOTE:

1. The text and figures in this section detail the connections that you will need to make. Exactly when you make the connections depends on individual installations and your working preferences. See “Appendix - AC110 Cables and Connections”, page 4.

2. Install the AC110 anywhere suitable in the towing vehicle.

- a. Install the loop back connector (terminator) **G** 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). Do not refit terminal nuts yet (Figure 1a). Note that power cable **C** is not used in this installation—the AC110 will get power through the connection made in step b).

NOTE:

The rate controller in Figure 1b-i will be different from the rate controller in your machine. The disconnection/reconnection details remain the same.

- b. Disconnect the console cable from the back of the existing rate controller (Figure 1b-i). Connect the console cable to interface cable **A** (Figure 1b-ii).

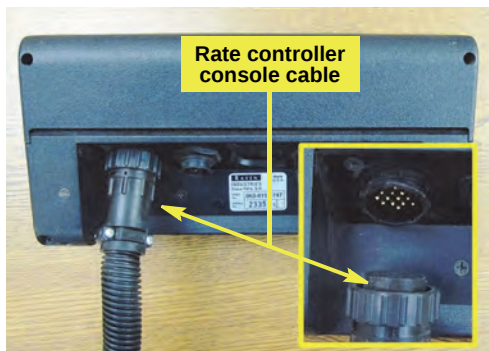


Figure 1b-i: Disconnecting controller console cable

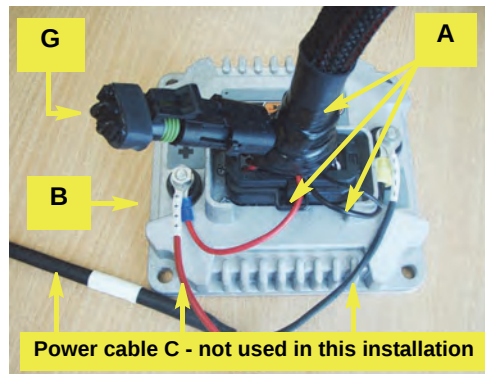


Figure 1a: Connections at AC110

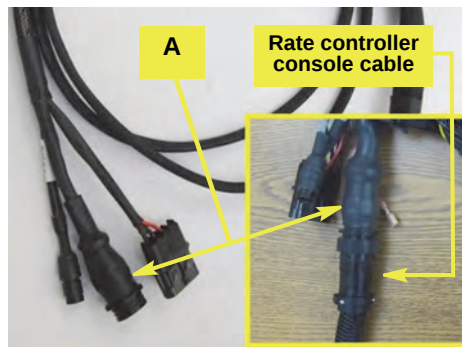


Figure 1b-ii: Reconnecting controller console cable

- c. Using the splitter ('Y') cable **E** (but see note following), tie into the existing CAN connection. For example, connect **E** 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 1c).

NOTE:

You can use splitter cable **E** 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 **E** to connect the switchbox if installed (Figure 1c).

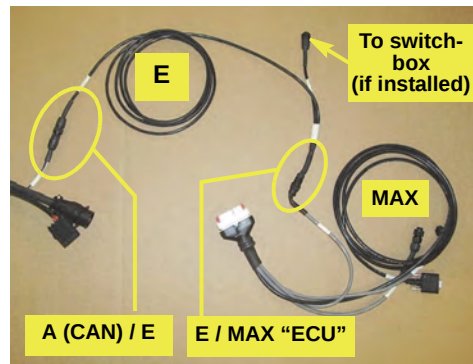


Figure 1c: Splitter cable connections

1. **Install and connect the AC110 (continued).**
- d. Connect power switch cable **D** to the 4-pin connector on interface cable **A** (Figure 1d).
2. **Install the pressure switch (if applicable)**

NOTE:

1. This step always applies if your machine already has a pressure sensor. If your machine does not have a pressure sensor **either** dust/weatherproof A's "PRESSURE SENSOR" connector and stow it securely **or**, in a suitable location, install the supplied sensor **H** and connect it as described below. Figure 2 shows a connected needle pressure gauge installation. Using a run tee (not supplied) you can install the supplied pressure sensor with the needle gauge.

2. If installing pressure sensor **H**, split cable **A** at the pressure sensor/main cable connector (see Appendix) and install extension cable **F**.

Locate the pressure sensor (if installed—see note preceding) to the right of the section valves. Disconnect the machine's harness connector and remove the pressure sensor. Install pressure sensor **H** and connect cable **A**'s connector labeled "PRESSURE SENSOR" using extension cable **F** (Figure 2 with insets and Appendix).

3. **Complete cabling connections.**
- a. If your AC110 connections are not yet complete, refer to **1. Install and connect the AC110** on page 3.
- b. Secure all cabling with tie straps **I**.

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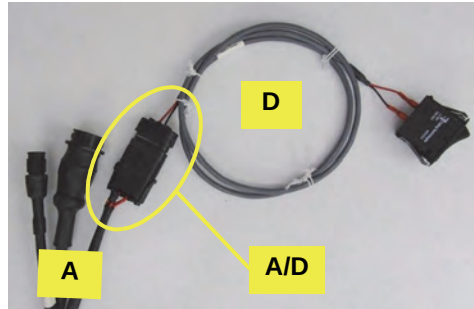


Figure 1d: Connecting the power switch cable

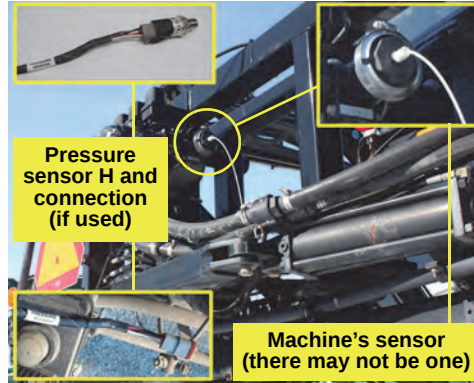


Figure 2: Pressure sensor switch(es), location and cable

Appendix - AC110 Cables and Connections

