

Section/Rate Control Kit Installation Guide

Kit: SECT RATE CTRL Rogator 1254
P/N 911-0006-000

Fits Ag-Chem RoGator Sprayer 1254:

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 AC Rogator Sprayer 1254.

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	054-0158-000#	1	Interface cable	
B	750-5006-000#	1	Section/rate controller (AC110)	



Kit Contents *(continued)*

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
C	054-0144-000#	1	Power cable	
D	054-0185-000#	1	Power switch cable	
E	051-0067-005#	1	Input/output splitter ('Y') cable	
F	051-0288-000#	1	CAN loop back connector (terminator)	
G	677-2001	20	Tie strap, 11" heavy duty	

Connections and Installation

1. Standard AC110 connections.

NOTE:

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 5.

- Install the loop back connector (terminator) **F** 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.

Install power cable **C** (‘non-fused’ end) on AC110 **B**. Refit the terminal nuts and tighten the power connections (Figure 1a).

- 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).

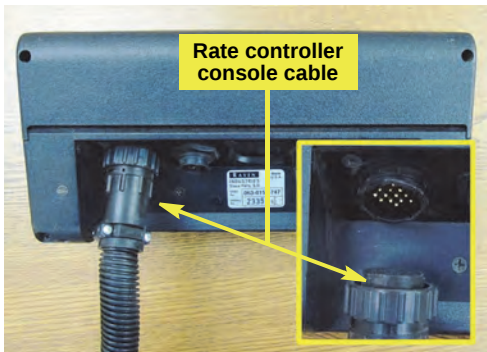


Figure 1b-i: Disconnecting controller console cable

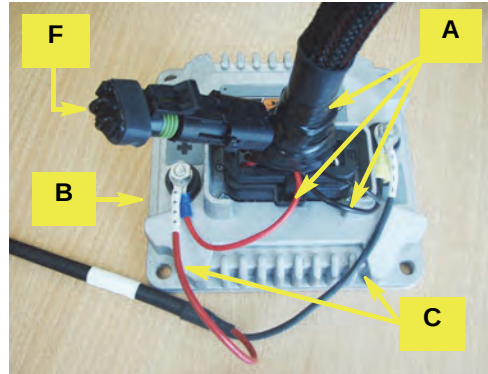


Figure 1a: Connections at AC110

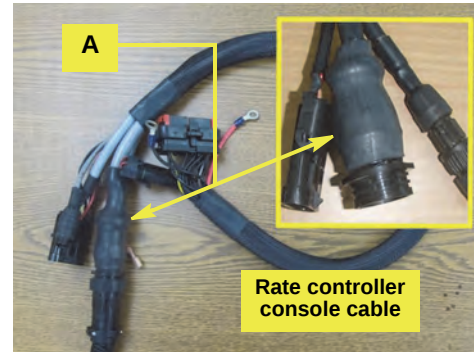


Figure 1b-ii: Reconnecting controller console cable

- 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).

- Connect power switch cable **D** to the 4-pin connector on interface cable **A** (Figure 1d).

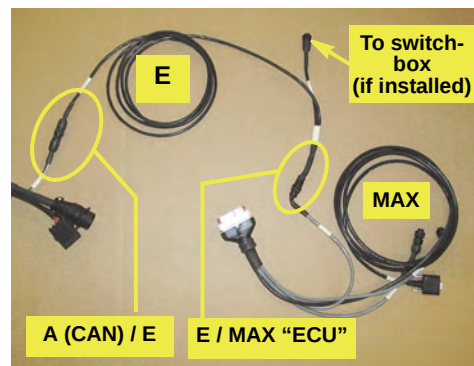


Figure 1c: Splitter cable connections

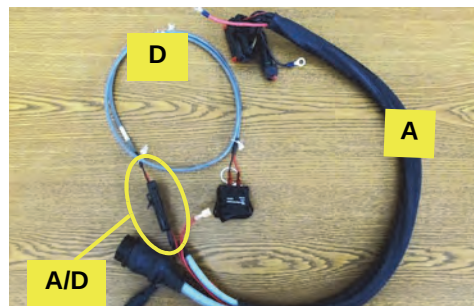


Figure 1d: Connecting the power switch cable

2. Installing the AC110.

- a. Locate the boom switch cable connectors to the right of the driver's seat (Figure 2a-i). They will be either beneath the joystick armrest (Figure 2a-ii) or directly behind the joystick panel (Figure 2a-iii).

Separate each pair of connectors (Figure 2a-iii - one pair shown separated). Each of the two now separated harnesses ends in one male and one female connector.



Figure 2a-i: Boom switch connectors location



Figure 2a-ii: Boom switch connectors - under armrest

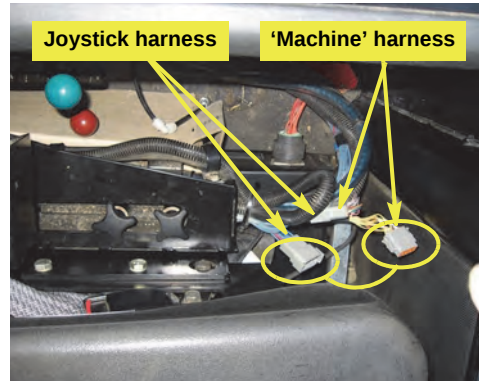


Figure 2a-iii: Boom switch connectors - behind joystick panel. One pair separated.

- b. Install interface cable **A** between the two separated harnesses (Figure 2b). The relevant branches of cable **A** are labeled 'TO MACHINE HARNESS' and 'TO JOYSTICK HARNESS' and each branch ends in a male and a female connector. These connect with their corresponding female or male connector on their respective separated harnesses.

NOTE:

If your AC110 connections are not yet complete, refer to 1. Standard AC110 connections on page 3.

- c. Connect the fused end of power cable **C** to the machine's battery.
- d. Secure all cabling with tie straps **G**.

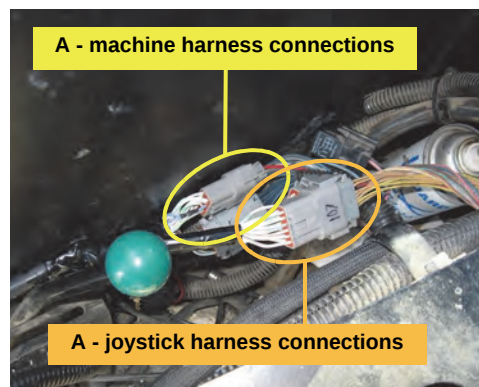


Figure 2b: Interface cable installed

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Appendix - AC110 Cables and Connections

