

Section/Rate Control Kit Installation Guide


Kit: SECT RATE CTRL SC7000
P/N 911-0017-000

Fits Spra-Coupe Models:

7450 7650
7460 7655
 7660



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 Spra-Coupe 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	054-0206-000#	1	Interface cable	

Kit Contents (continued)

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
B	750-5006-000#	1	Section/rate controller (AC110)	
C	051-0288-000#	1	CAN loop back connector (terminator) (Connects to A)	
D	054-0144-000#	1	Power cable (Connects to B [with A])	
E	051-0067-005#	1	Input/output splitter ('Y') cable (Connects A to MAX 'white cable')	
F	054-0185-000#	1	Power switch cable (Connects to A)	
G	054-0215-000#	1	Pump switch cable (Connects to A)	
H	677-2001	20	Tie strap, 11" heavy duty	

Installation and Connections

1. Install and connect the AC110.

NOTE:

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

- a. 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 1a). Do not refit terminal nuts yet.

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

- b. 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 1b).

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 1b).

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

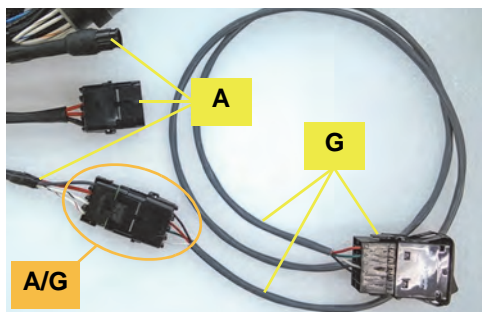


Figure 1d: Connecting the pump switch cable

2. Install and connect the interface cable.

Locate the machine’s boom switch bulkhead connectors in the base of the right armrest/control console (Figure 2, top). Disconnect the harness side (nearer the seat) and ‘T’ in the appropriate connectors of interface cable **A** (Figure 2, bottom).

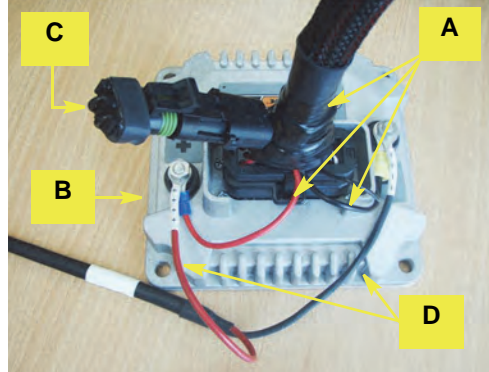


Figure 1a: Connections at AC110

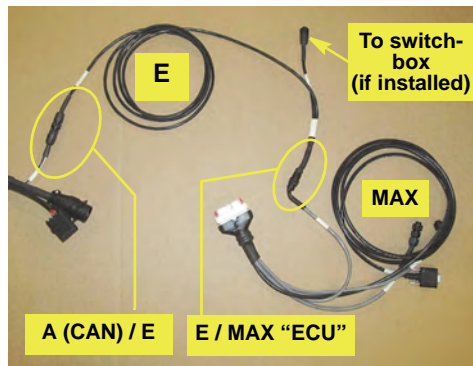


Figure 1b: Splitter cable connections

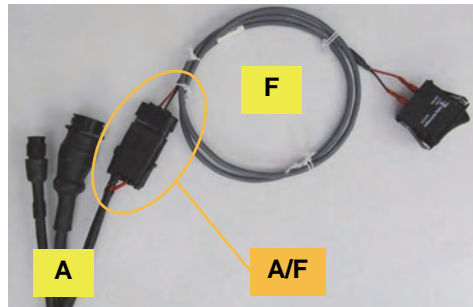


Figure 1c: Connecting the power switch cable

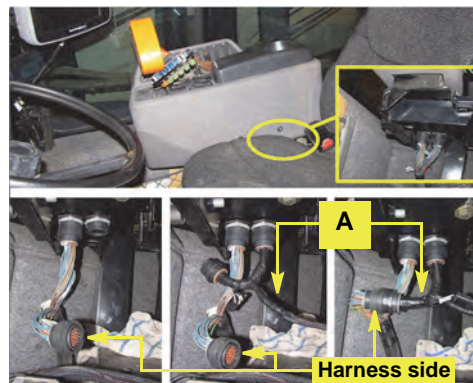


Figure 2: Interface cable/boom switch connections

3. Connect to the single product node harness.

- a. Locate the cab access hole beneath the armrest/control console, to the rear of the document pocket (Figure 3a, upper images, hole not visible). Route the two product node connectors out of the cab into the cabling compartment on the right side of the machine (Figure 3a, bottom images).

With the compartment's outside cover removed, route the cables out from the compartment then under the cab to the left side of the machine.

- b. Locate the existing single product node harness connectors on the left side of the machine directly behind the educator controls. They may or may not be connected (Figure 3b and top insets).

Disconnect or uncap the harness connectors as required and reconnect them to the routed branch connectors of cable A (Figure 3b, right middle and bottom insets).

4. Complete the installation.

NOTE:

If your AC110 connections are not yet complete, refer to step 1. Install and connect the AC110, page 3.

- a. Connect the fused end of power cable D to the machine's battery.
- b. Secure all cabling with tie straps H.
- c. Refit the cabling compartment cover (Figure 3a, bottom right inset).

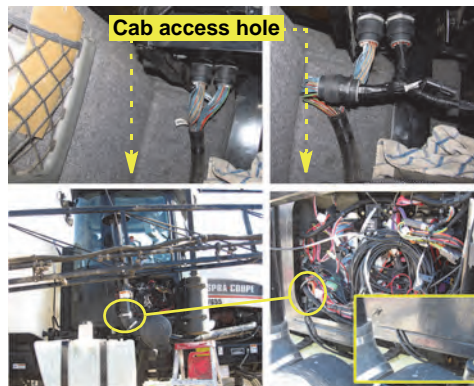


Figure 3a: Routing product control cables

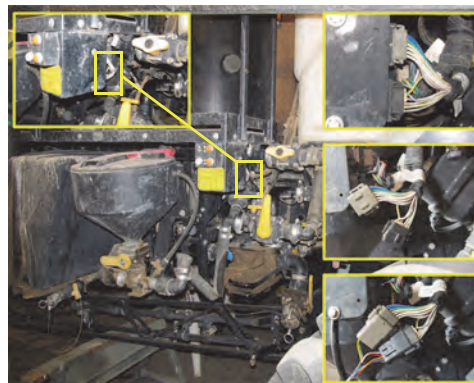


Figure 3b: Connecting product control cables

Appendix - AC110 Cables and Connections

