
AgChem SP

AutoSPRAY cable A

(Part No. 1-2816)

Installation Manual

Part Number: 1-1266

Revision: B

Issue Date: October 2008



- when it has to be **right**



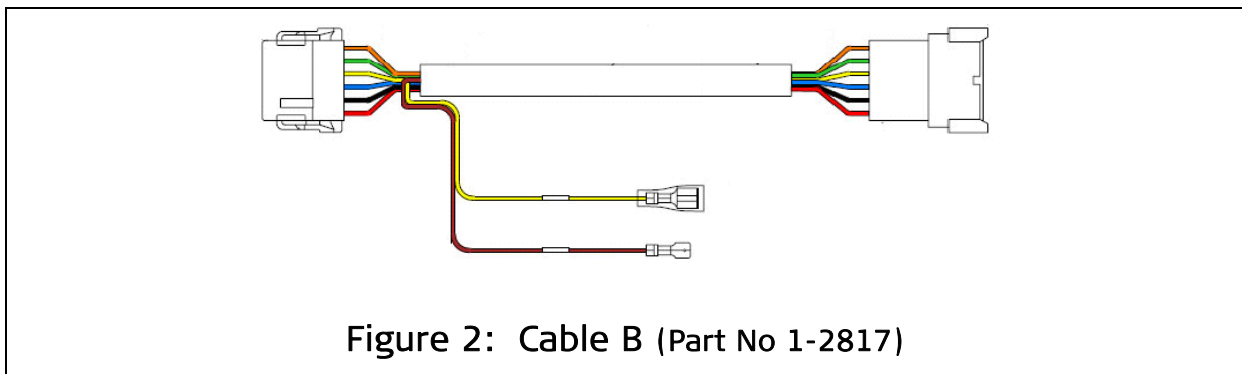
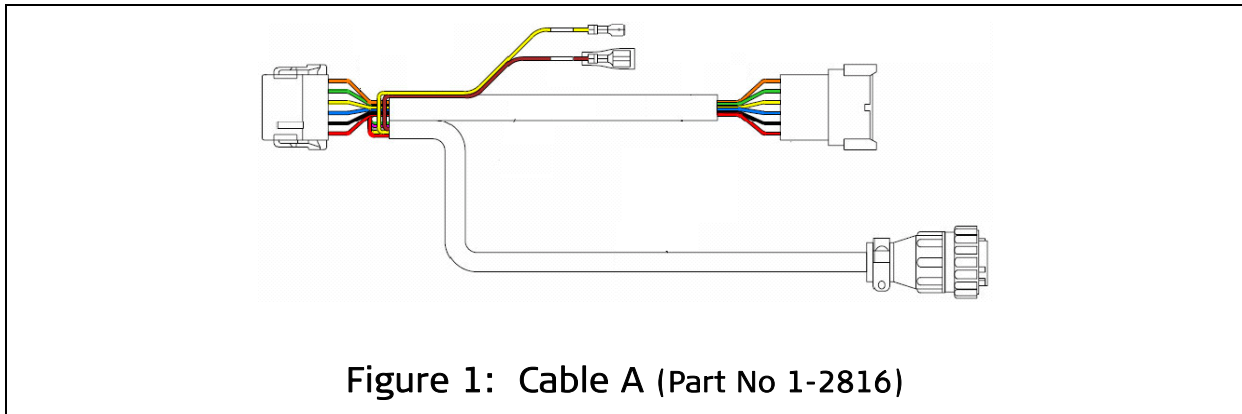
INTRODUCTION

The AgChem self propelled AutoSPRAY Cable A (Part No 1-2816) is designed to suit the following installations:

Compatible Vehicles		
Rogator 1254	Rogator 1264	Rogator 1274

The cable will control up to six individual boom sections; it does not detect the status of the Master Switch in the installation.

An optional cable; the AgChem SP AutoSPRAY Cable B (Part No 1-2817) may be ordered which will detect the status of the Master Switch and control the seventh section of the boom, if installed.



INSTALLATION

A schematic of the cable installation is shown in Figure 3.

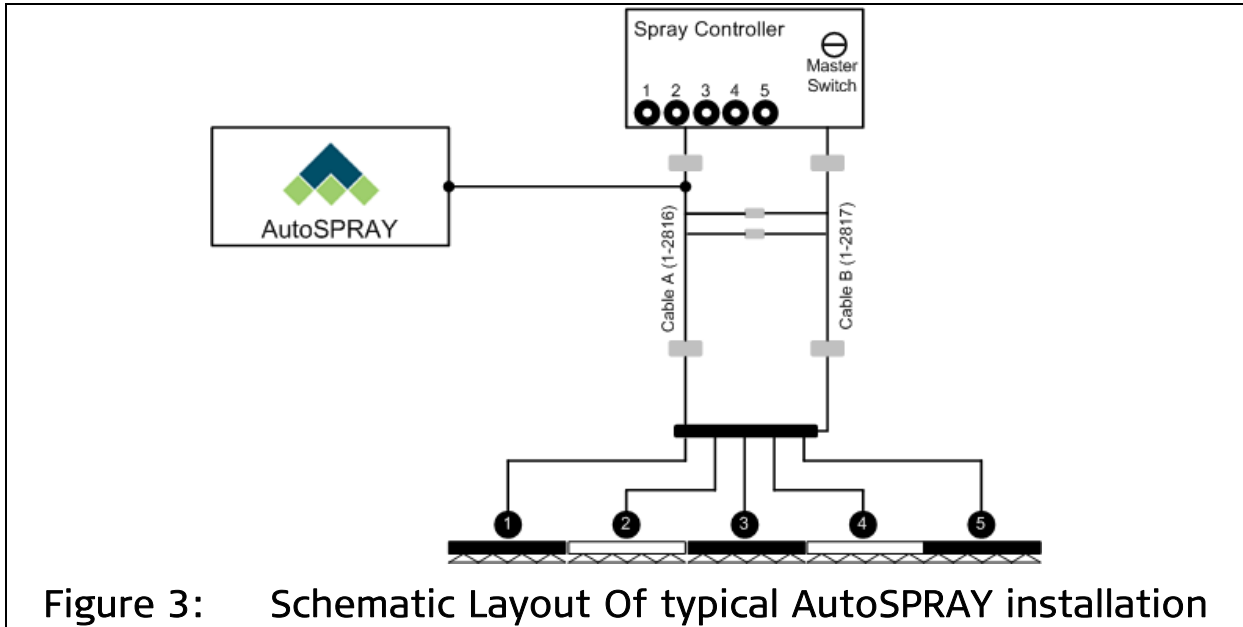


Figure 3: Schematic Layout Of typical AutoSPRAY installation



It is recommended that all electrical wiring should be installed by a qualified auto-electrician. Incorrect wiring may damage the AutoSPRAY controller and/ or the spray rate controller.

The installation and configuration of the RINEX AutoSPRAY controller is detailed in the appropriate User Manual.

INSTALLATION STEPS - CABLE Pt-A (1-2816)

Step	Instruction
1.	Check that the spray controller and boom section switches are functioning correctly before commencing the installation.
2.	Locate the wiring panel inside the cabin as shown in Figure 4.
3.	Locate the wiring harness with the orange and yellow coloured wiring harness (Connectors-A) as shown in Figure 5.
4.	Disconnect the mating connectors (A) as shown in Figure 5.
5.	Plug the supplied cable in-line between the two mating connectors from Step 4.
6.	<p>Confirm that the spray controller and boom section switches function correctly before connecting the cable to the RINEX AutoSPRAY controller.</p> <p>Check that all section switches function correctly and the controller still displays the correct flow rate.</p>
7.	<p>Connect the circular AMP connector on the supplied cable to the RINEX AutoSPRAY controller as detailed in the AutoSPRAY installation manual.</p> <p>The AMP connectors have key so that they will only fit one way and are twisted clockwise to lock the connector in position.</p>
8.	If not using the optional cable the two unconnected wires labelled "MASTER" and "SECTION 7" should be covered in heat shrink or insulation tape to prevent damage and allow connection in the future.

Step	Instruction
9.	Confirm that the spray controller and boom section switches function correctly. Consult the AutoSPRAY controller installation manual to setup and calibrate the AutoSPRAY system.

Note: If the RINEX AutoSPRAY controller is not connected directly to a 12Vdc source (vehicle power), then it is necessary to connect the AutoSPRAY cable to the vehicle power supply for correct operation of the system. Refer to APPENDIX A for connecting to vehicle power.



Figure 4

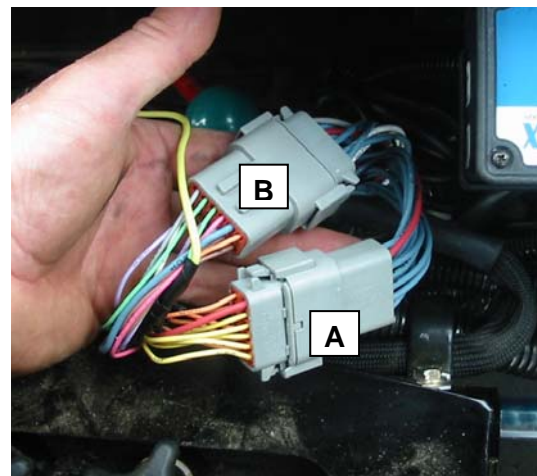


Figure 5

APPENDIX A CONNECTING POWER



Power for the AutoSPRAY Controller /cable must be a clean 12Vdc source. Connecting the AutoSPRAY controller to 24Vdc will cause damage to the controller. If connecting to a 24Vdc vehicle, 12Vdc power must be connected to the same power source the spray rate controller is using.

Step	Instruction
1.	Connect the RED wire, labelled POWER to a 12Vdc power source that is controlled with the vehicle ignition wiring (power with the vehicle is ON). Then connect the BLACK wire, labelled GROUND to a ground point on the vehicle.