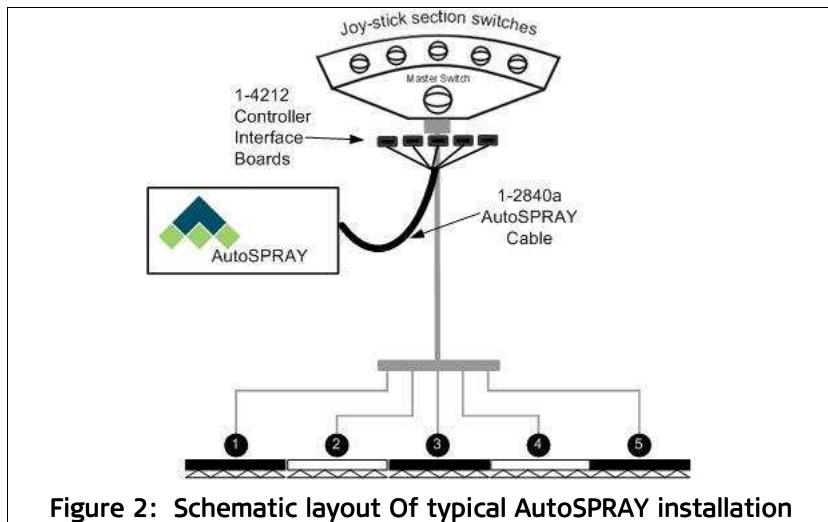


## INSTALLATION

A schematic of the cable installation is shown in Figure 2.



**Figure 2: Schematic layout Of typical AutoSPRAY installation**



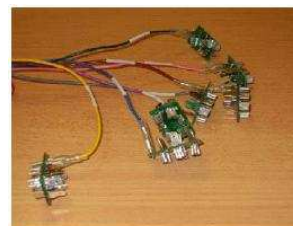
It is recommended that all electrical wiring should be installed by a qualified auto-electrician. Incorrect wiring may damage the AutoSPRAY controller and/ or the spray rate controller.

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

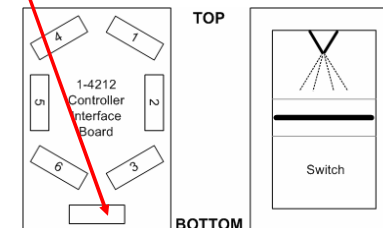
Step	Instruction
1.	Check that the spray controller and boom section switches are functioning correctly before commencing the installation.
2.	Remove the panel containing the section switches for the sprayer by removing the screw in the centre of the console.



Step	Instruction
3.	Route the 1-2840a John Deere AutoSPRAY cable behind the console to come out by the power bar on the floor. From here it should run under the mat to the front corner post.
4.	Connect the bottom pin on the end of the supplied controller interface boards (1-4212) to each of the section wires as shown in Figures 3 and 4.



**Figure 3**



**Figure 4**



**Figure 5**

- Remove the harness from the rear of Switch 1.
- Reconnect the original harness to the rear side of the 1-4212 Controller Interface board. Ensure that the orientation of the 1-4212 board in relation to the switch is correct as shown in Figure 4, so that the section wire from the 1-2840 AutoSPRAY cable is at the bottom of the switch using the following wiring configuration for the individual sections.

Section No.	Wire Colour	Section No.	Wire Colour
1	Yellow	5	Magenta
2	Grey	6	Pink
3	Green	7	Brown
4	Blue		

Step	Instruction
7.	Repeat Steps 4 to 6 for all switches.
8.	Replace panel and floor mat.
9.	Confirm that the spray controller and boom section switches function correctly <b>before</b> connecting the cable to the RINEX AutoSPRAY controller. Check that all section switches function correctly and the controller still displays the correct flow rate.
10.	Connect the 16 pin circular AMP connector on the other end of the 1-2840a John Deere AutoSPRAY cable to the RINEX AutoSPRAY controller.
11.	Follow the instructions in APPENDIX A to connect the AutoSPRAY controller to power.
12.	Confirm that the spray controller and boom section switches function correctly.

## INTRODUCTION

The John Deere Self Propelled AutoSPRAY Cable Kit (Part No 1-2840) is designed to suit the following installations:

Compatible Vehicles
John Deere JD 4700    John Deere JD 4720    John Deere JD 4920 John Deere JD 4710
Compatible Spray Controllers
John Deere SprayStar™

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

An optional cable (Part No 1-2842), may be ordered which will detect the status of the Master Switch on the John Deere JD 4700 and JD 4710 if also installed.

## KIT CONTENTS

QTY	Description	Part No.
1	John Deere AutoSPRAY Cable	1-2840a
7	Controller Interface Board	1-4212



**Figure 1: John Deere AutoSPRAY Cable Kit (Part No 1-2840)**

## 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.



# John Deere SP AutoSPRAY cable kit (Part No. 1-2840) Installation Manual

Part Number: 1-1295

Revision: A

Issue Date: October 2008



- when it has to be **right** 