

**5207 ABS**

**5207 Automatic Boom Switching  
Installation & Setup Guide**

## Installation

### Parts

#### Conventional 5207C

	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	A-5207C	Conventional Boom switching POD	1
2	AC-114	2m power extension cable	1
3	AC-912	9 Pin data cable	1
4	AH-408	Universal hardware pack	1
5	AM-200	Farmscan 2 year warranty	1

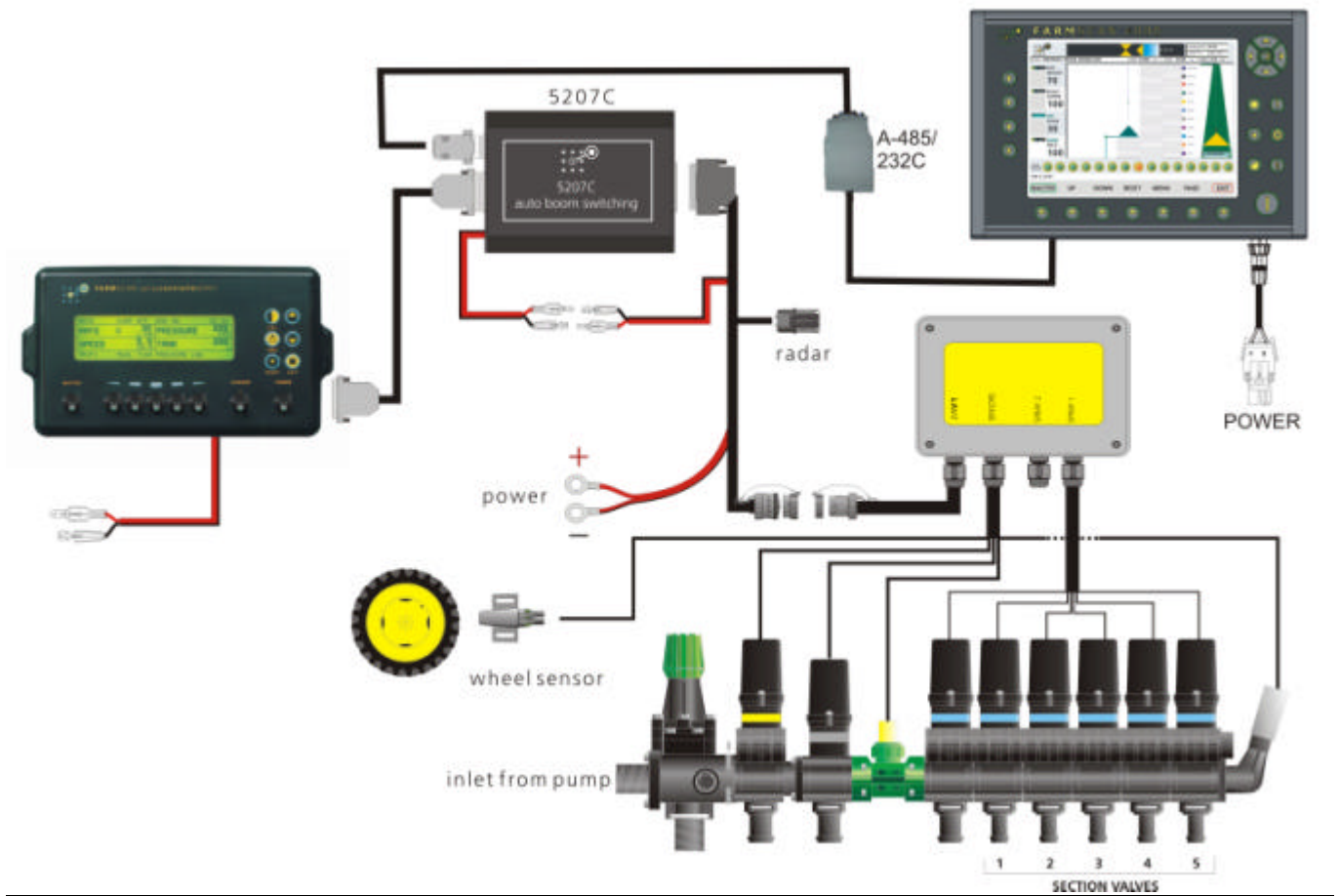
#### Hardi 5207H

	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	A-5207H	Hardi Boom switching POD	1
2	AC-114	2m power extension cable	1
3	AC-912	9 Pin data cable	1
4	AH-408	Universal hardware pack	1
5	AM-200	Farmscan 2 year warranty	1

### Connections

- ?? Connect your system using the diagrams on the following pages as a guide. Ensure you are following the correct diagram.
- ?? 4000RT and 5207 system connections differ to the 5500 set up. See the diagram on the next page. If using a 4000RT and a 5207 a A-485/232C converter must always be used.

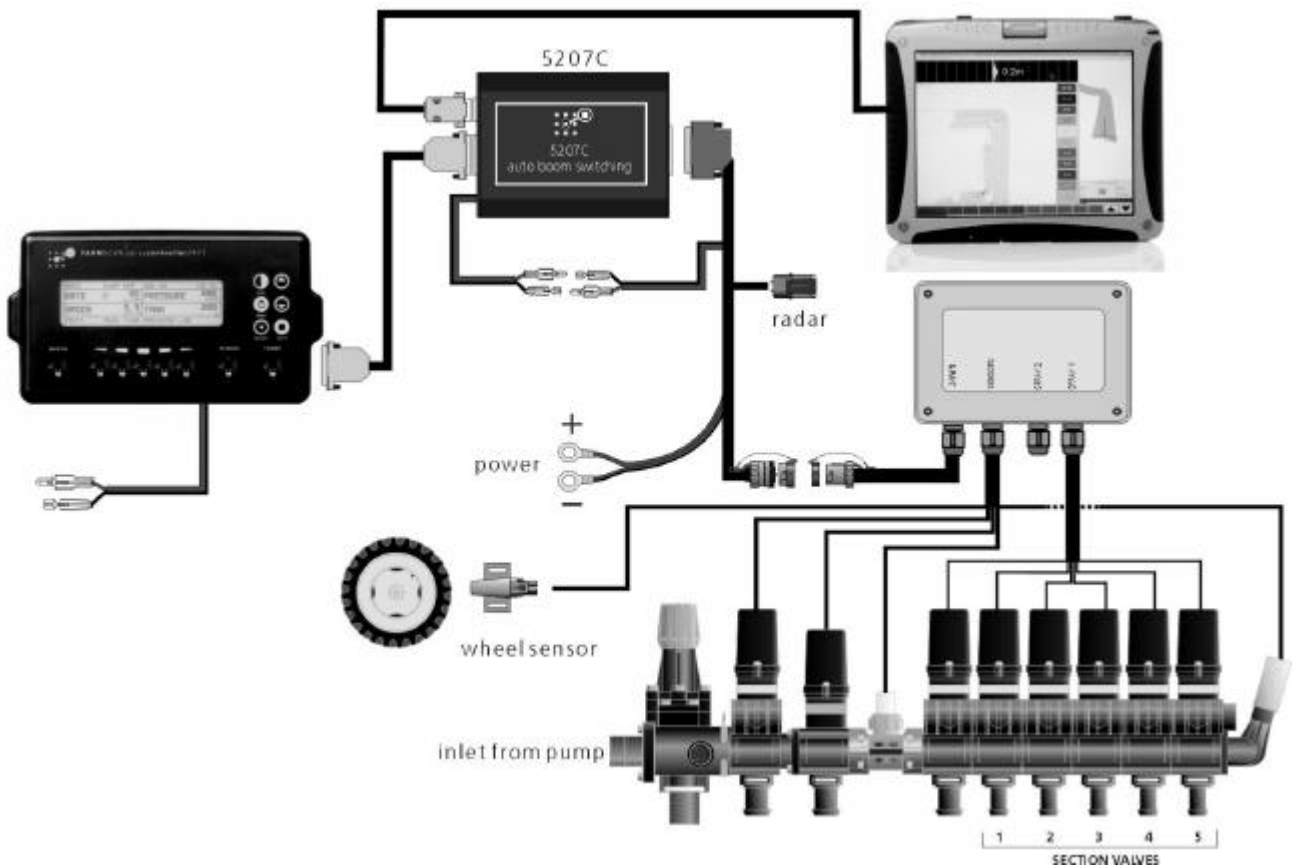
## 24v1 Layout Diagram – 5207C with 4000RT



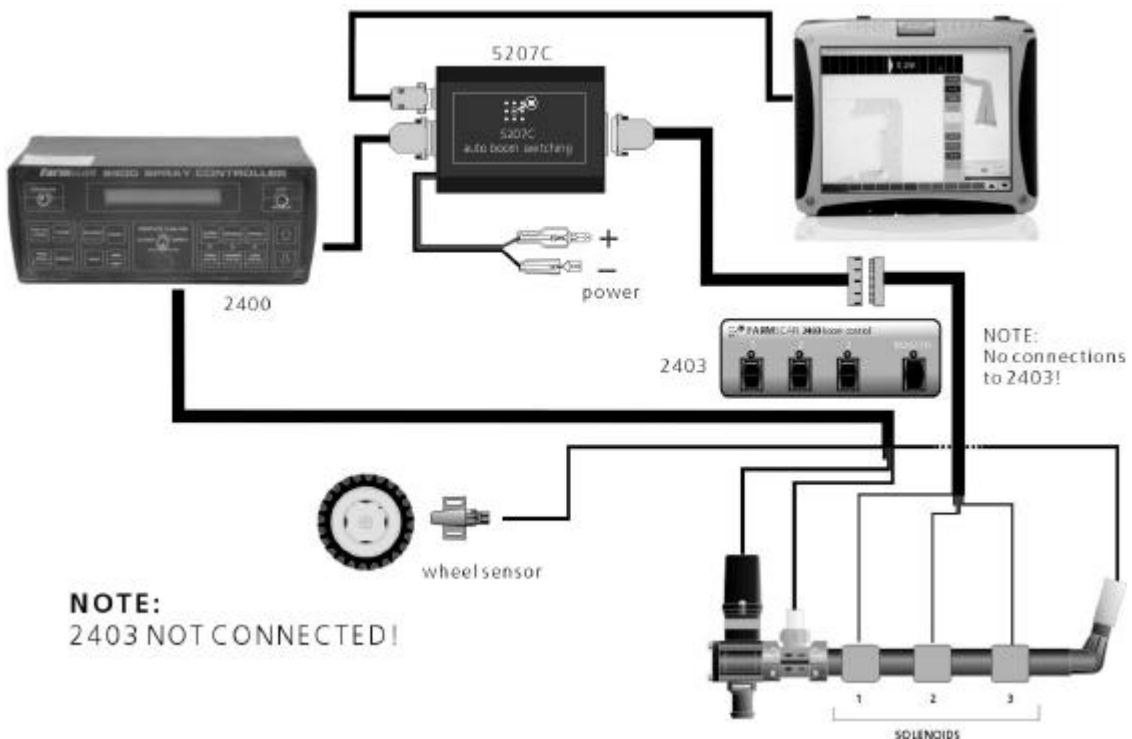
### IMPORTANT

When using a 4000RT a A-485/232C Converter **MUST** be used.

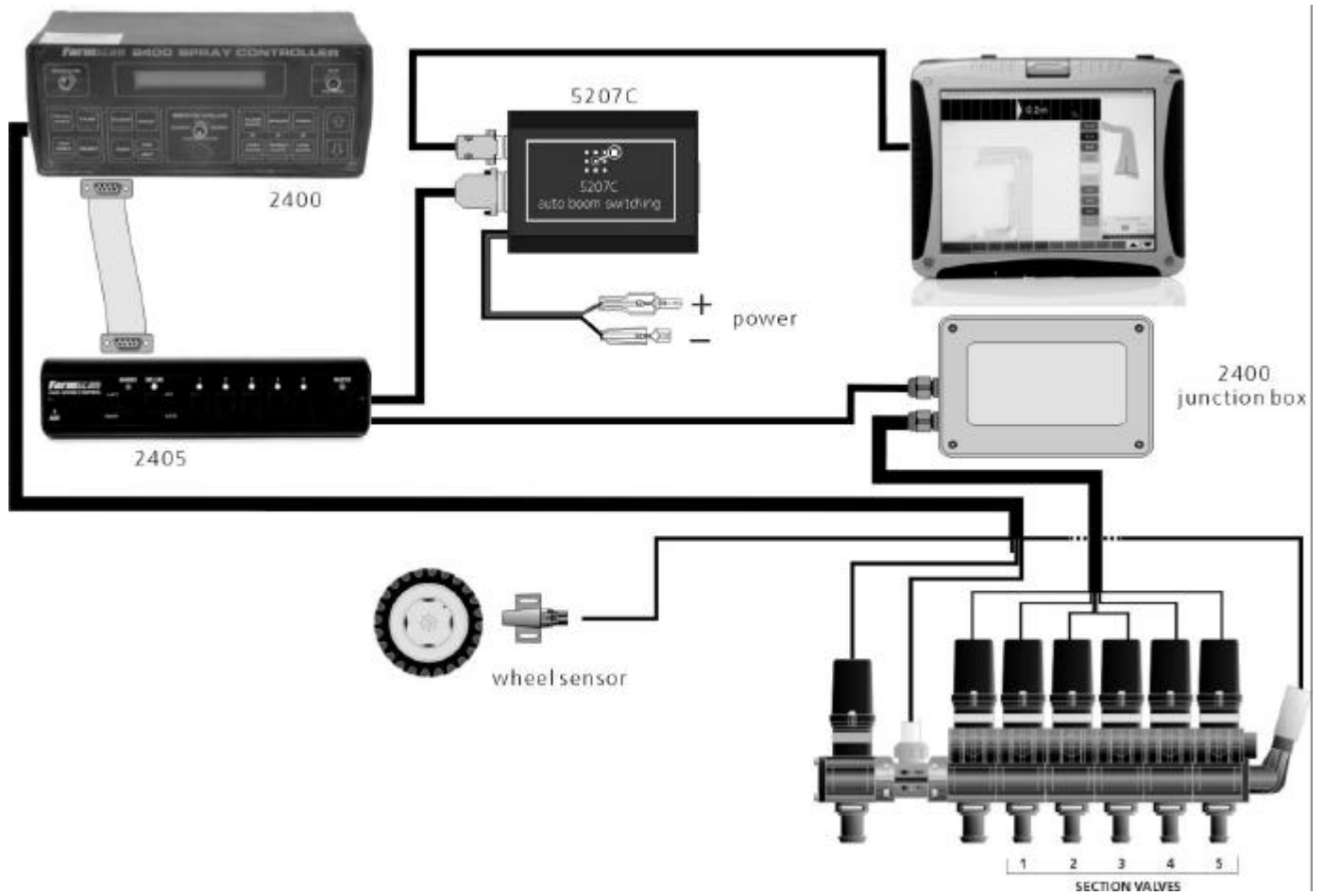
### 24V1 Layout Diagram - 5207C



### 2403 Layout Diagram - 5207C



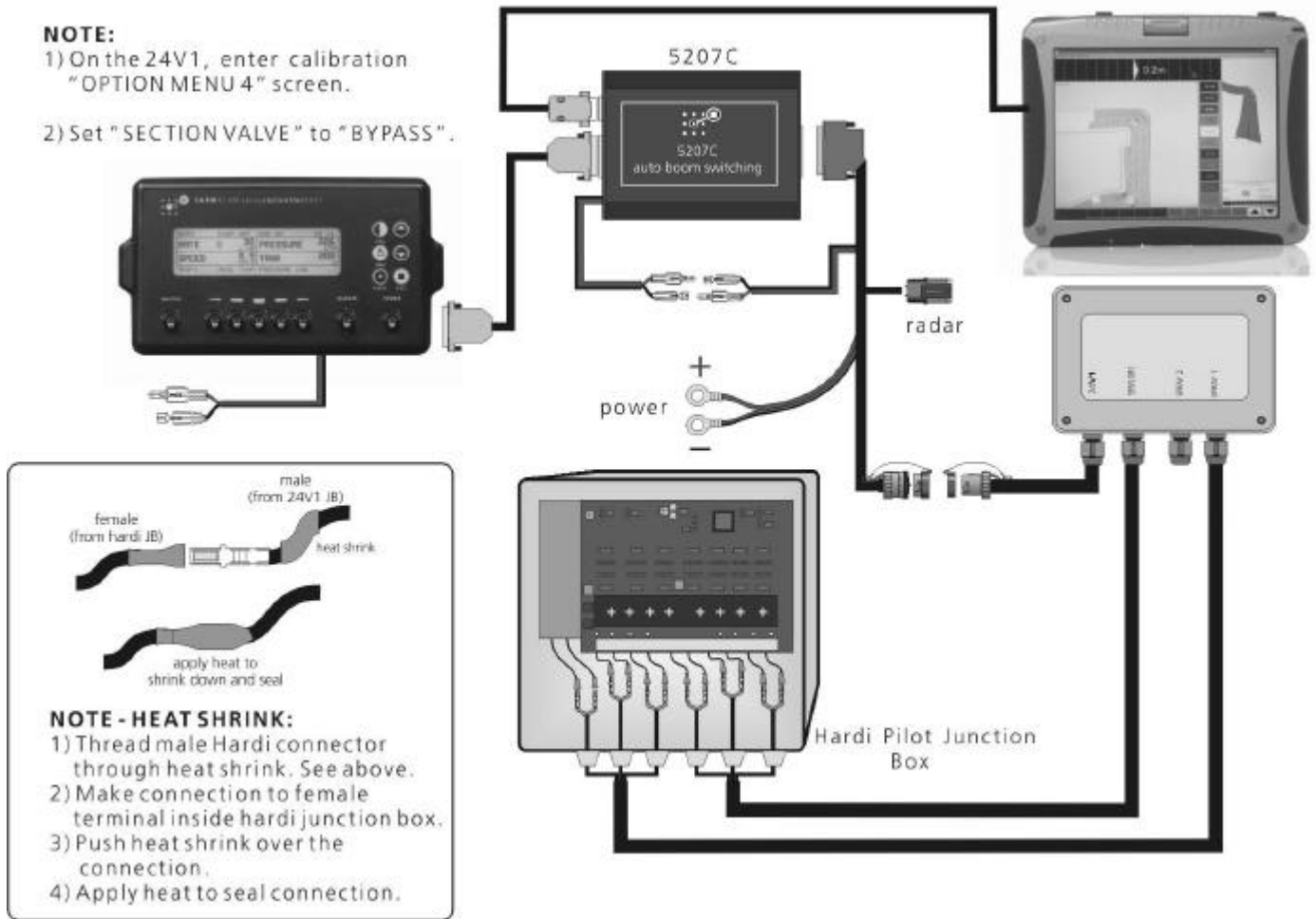
## 2405 Layout Diagram - 5207C



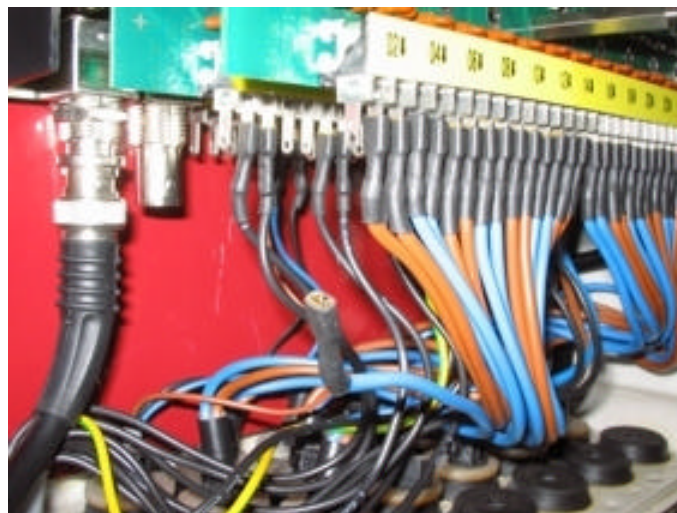
## 24V1 & Hardi Pilot Layout Diagram – 5207C

**NOTE:**

- 1) On the 24V1, enter calibration "OPTION MENU 4" screen.
- 2) Set "SECTION VALVE" to "BYPASS".

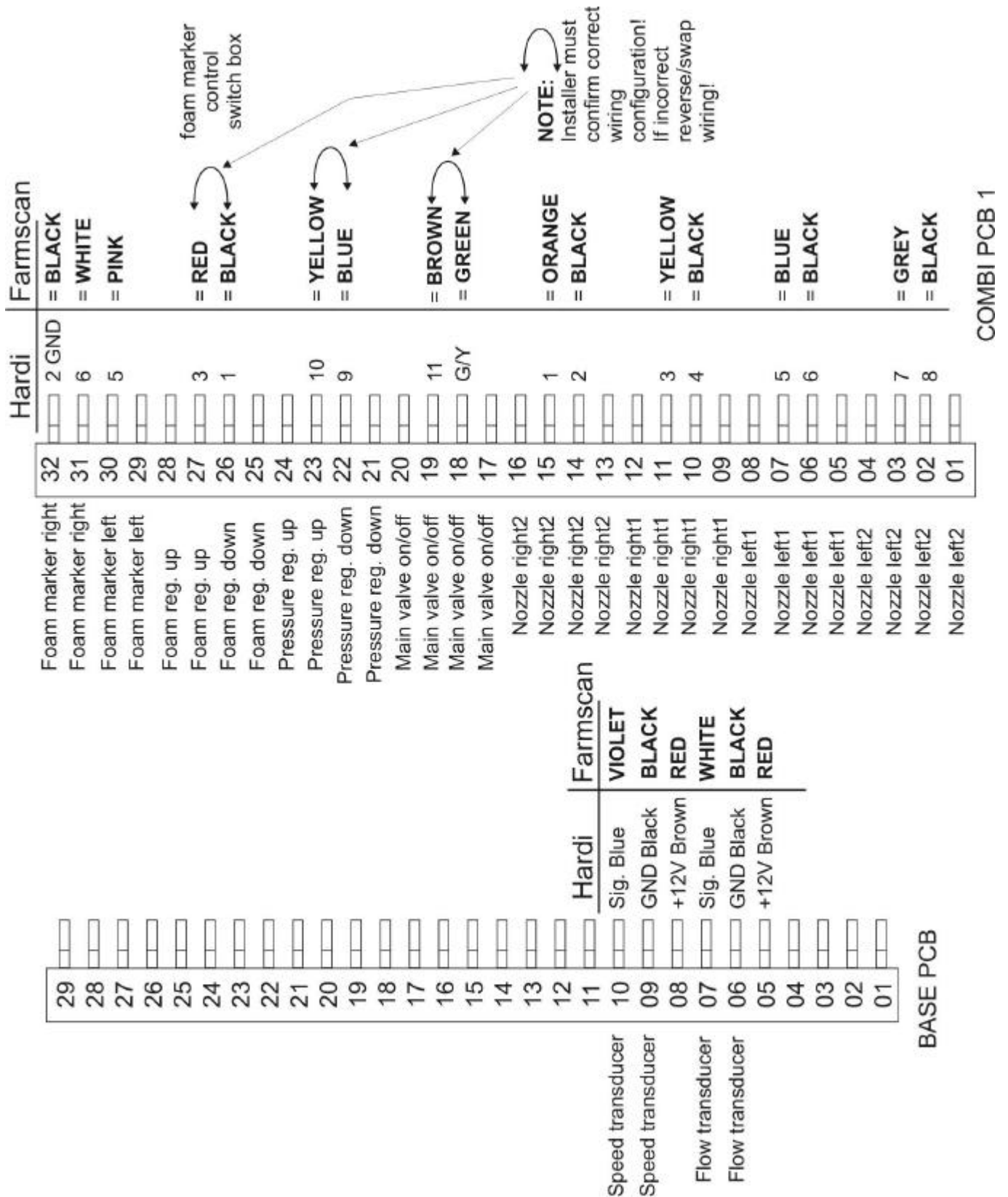


Inside the Hardi Pilot junction box, there are a series of female utilux terminals that come from the external valves and sensors. They plug into the male utilux terminals as shown in the picture below.

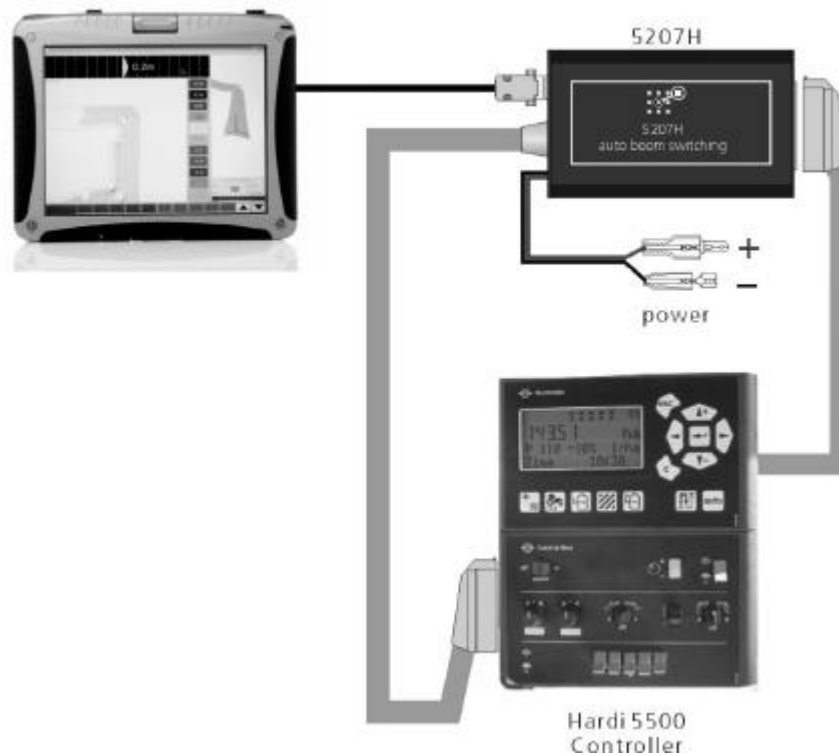


An instruction sheet on the inside of the Hardi pilot junction box lid lists the function of each wire. Disconnect relevant female connectors from the circuit board inside the Hardi junction box and connect them straight into the corresponding male terminals on the loom coming from the farmscan junction box.

Use the wiring configuration diagram below to connect the Hardi wiring to the corresponding farming wiring.



## Hardi 5500 Layout Diagram - 5207H

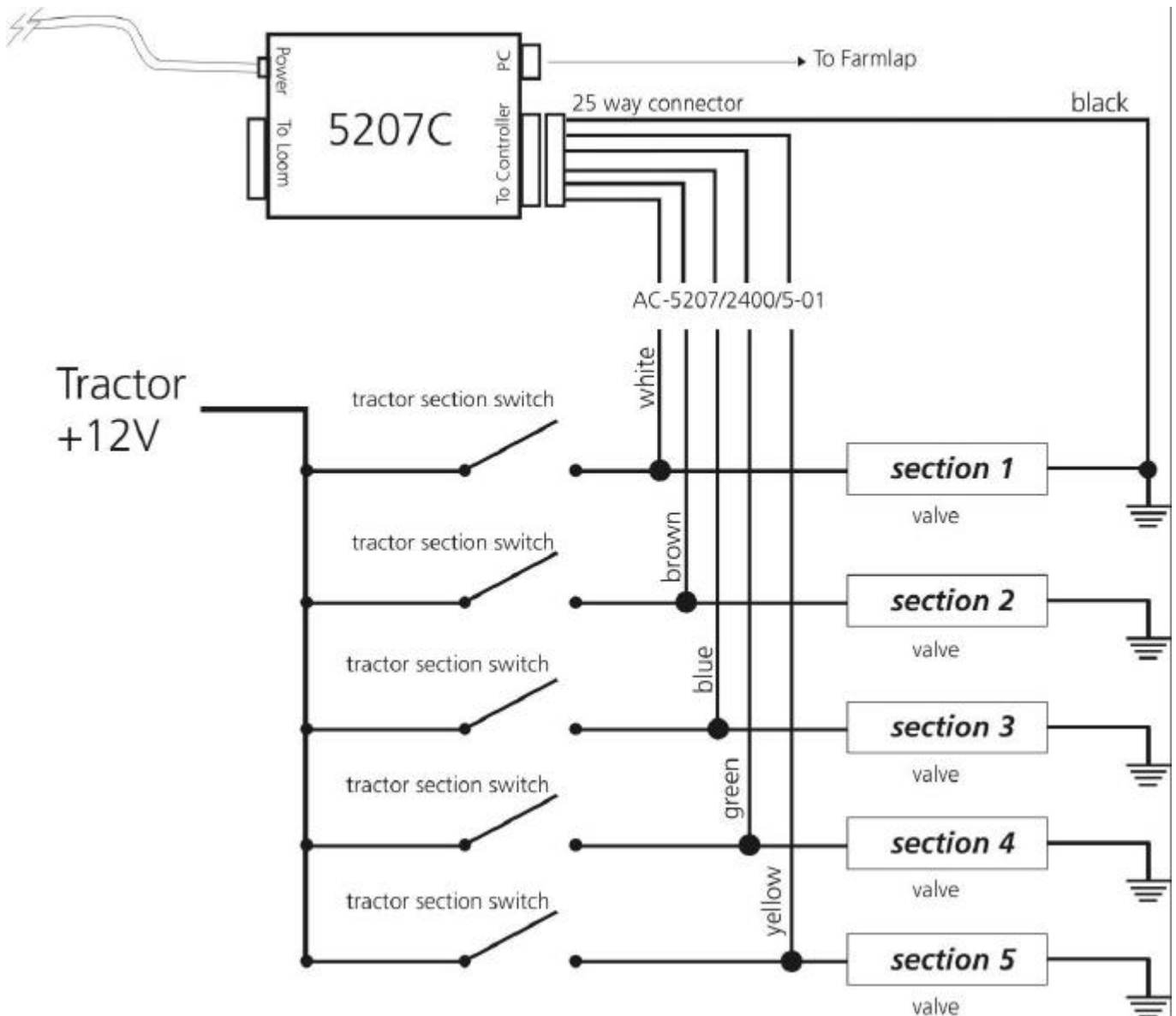


## 5207C Connection to SP Sprayers and 5207G Generic Connections

Use the cable (AC-5207/2400/5-01) to connect the 5207C to section wiring. See below.

Section 1 - 5	Colour (AC-5207/2400/5-01)
Far left - section 1	White
Left - section 2	Brown
Centre - section 3	Blue
Right - section 4	Green
Far right - section 5	Yellow
Controller Ground	Black



**Note:**

- ?? Connect AC-5207/2400/5-01 wires to the **positive switch side** of the section valves after tractor section switches.
- ?? Automatic boom switching for 5 sections only, is available from the 5207C.
- ?? Leave Master section switch **on** but all individual sections must be **off** for automatic boom switching.
- ?? See the back of the manual for wiring details of AC-5207/2400/5-01.

**GENERAL NOTES:**

- ?? Tie down all loose cable away from potential damage.
- ?? See the back of this manual for loom wiring details.

## Pod Mounting

1. Mount the POD in a suitable position in the cab.
2. Use the hardware in the universal hardware pack to secure the POD.

### NOTES:

?? Never expose pod to liquid of any kind even spray.

## Operation 5207C/5207H

### General

The 5207C and the 5207H are designed to integrate the 2400, 24V1 and the Hardi 5500 spray controllers with Farmlap auto boom switching. Farmlap will control section switching and the 2400, 24V1 or Hardi 5500 spray controllers will control the work rate.

Work rates must be set in the 2400, 24V1 or 5500 Hardi spray controllers, not in Farmlap.

Spray controllers must be calibrated as if to work without Farmlap. Farmlap must then be setup to have the same flow sensor PPL calibration factor, section numbers and widths as set up in the controller.

### To Go Spraying with Auto Boom

1. Make sure you have followed the Farmlap setup procedure (in farmlap manual) and the controller is fully calibrated.
2. Make sure power is connected to the 5207C/5207H and all connections as in connections are made.
3. Start up Farmlap and have the spray controller and system ready to spray.

#### **2405**

4. If using the 2405 make sure "Master" is **on** and all sections off.

#### **24V1**

5. If using the 24V1 make sure "Master" is **off** and all sections off.

#### **Hardi 5500**

6. If using the Hardi 5500 section switches must be on.
7. Make sure "ABS" icon goes green on Farmlap.
8. Move forward and start spraying. Farmlap will start recording and calculating runlines.
9. Check in Farmlap that sections turn off when overlapping occurs. Sections will go red when off.

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## 5207H Boom Switching Note

Accumulated litres and area covered will not be displayed correctly on the 5500 Hardi Controller. This is due to Hardi 5500 section recognition being disabled when sections are turned on/off by Farmlap.

### Note

Area covered will be accumulated correctly on Farmlap.

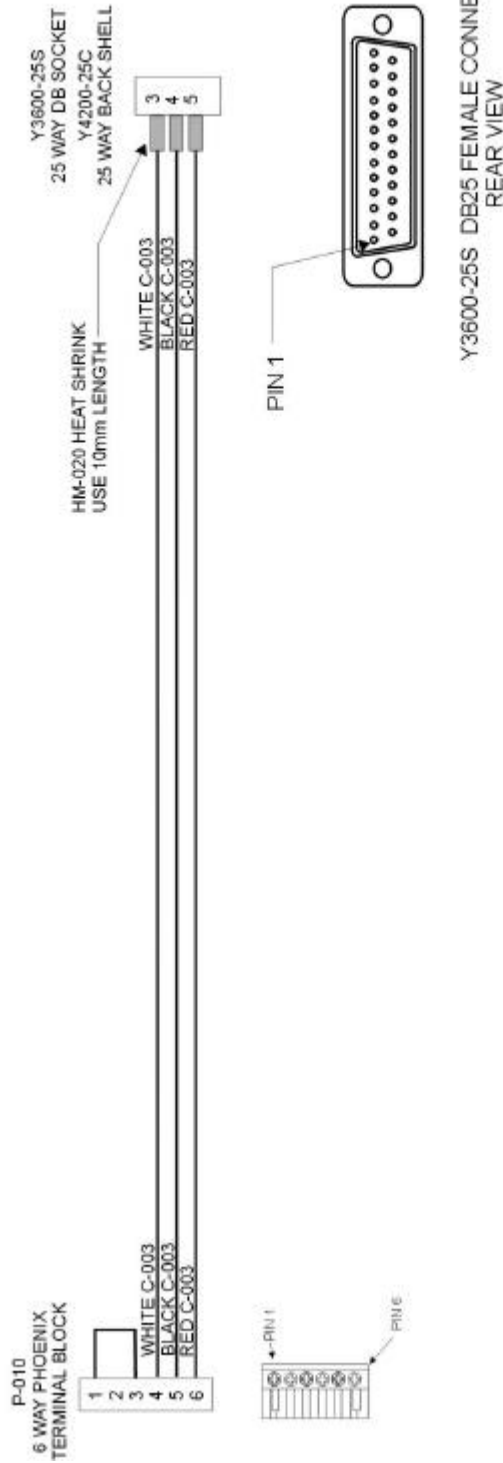
## 5207C Boom Switching Note

For 5207C systems area and litres will be accumulated on the controller, whereas only area covered will be accumulated on Farmlap.

# Loom Drawings

## 2400 3 section loom

Part No: AC-5207/2400/3-01



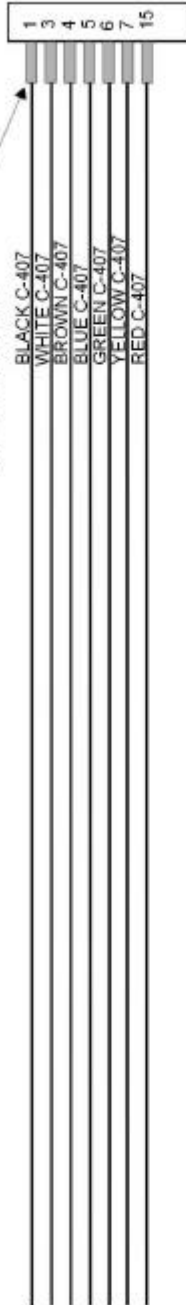
TITLE: AC-5207/2400/3-01 2400 TO 5207C LOOM  
3 SECTION

**2400 5 Section loom**

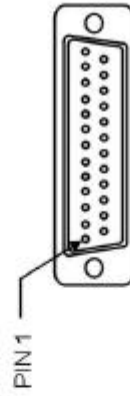
**Part No: AC-5207/2400/5-01**

Y3600-25S  
25 WAY DB SOCKET  
Y4200-25C  
25 WAY BACK SHELL

HM-020 HEAT SHRINK  
USE 10mm LENGTHS



BARE ENDS

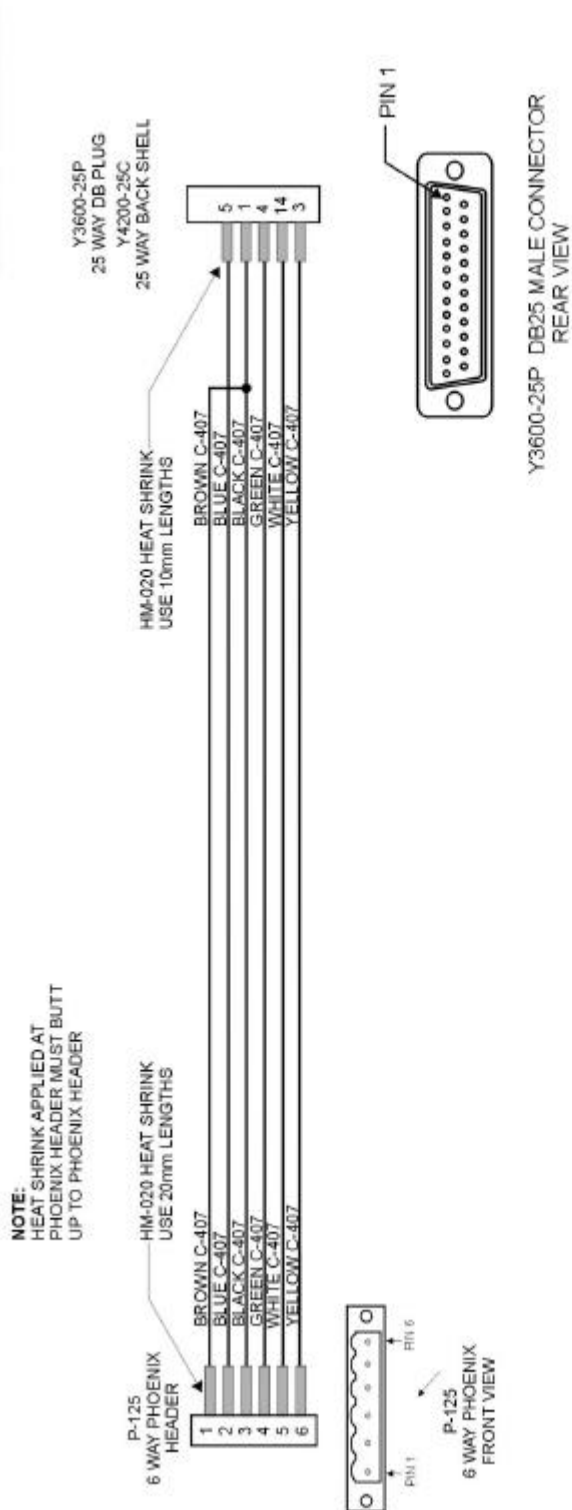


Y3600-25S DB25 FEMALE CONNECTOR  
REAR VIEW

**FARMSCAN**  
TITLE: AC-5207/2400/5-01 2405 TO 5207C CABLE

**2403 loom**

**Part No: AC-5207/2403/3-01**



TITLE: AC-5207/2403/3-01 5207C TO SECTIONS  
LOOM

For any enquires regarding the performance of your system please contact:

**Farmscan Service Centre**  
Phone +61 8 9470 1177  
A/H you will be directed to a service staff member

***Farmscan***

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