

Integration Instructions

PinPoint™ III ENVELOP on John Deere 30 Series Machines

Prerequisites

- Deere 30 Series Machines utilize the JD SprayStar rate controller from the factory and cannot be taken offline as it interfaces critical engine and chassis functions
- It is necessary to install an isolated ISO display alongside the existing machine display to operate correctly with the PinPoint III
- Different JD Controllers (2600, 2630, 4640, Gen 5) have different Task Control Section capabilities – confirm with your Deere dealer

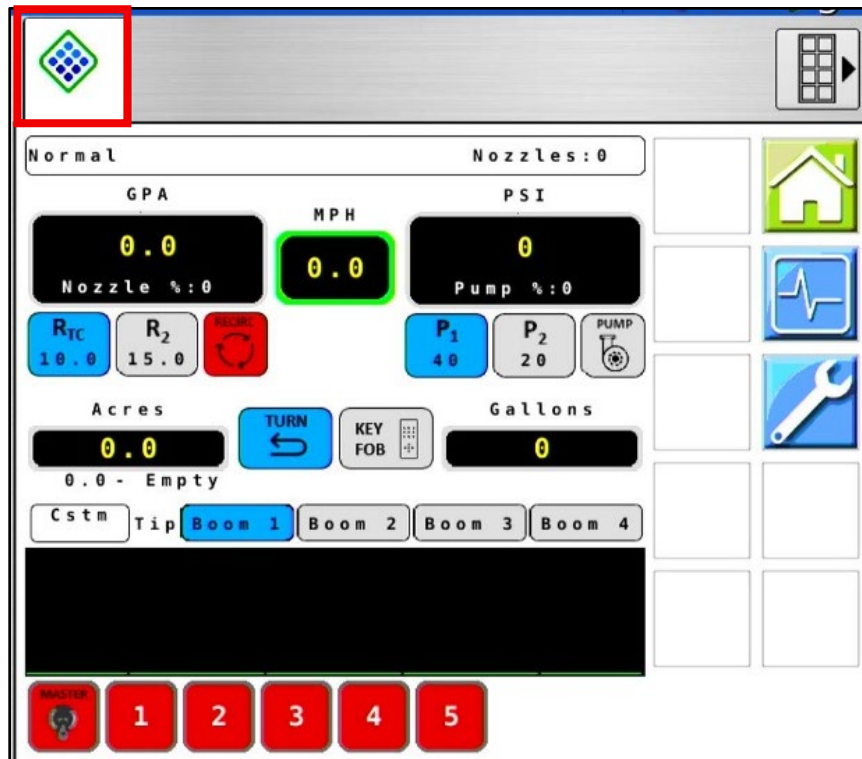




Figure 1 — PinPoint III Home Screen

Menu Setup

1. **Figure 1:** Select the CapstanAG PinPoint™ III icon  from the UT selection list. This icon may be located in slightly different places depending on the task controller.
2. Basic running settings and information are displayed on the PinPoint™ III home screen. The boom profile buttons can be selected here. To edit these configurations and set up other features of the PinPoint™ III software, tap the **Settings** icon  at the right side of the screen.

3. To begin setup, Tap the  button > **Initial Setup** > and **Configuration** on the following page.

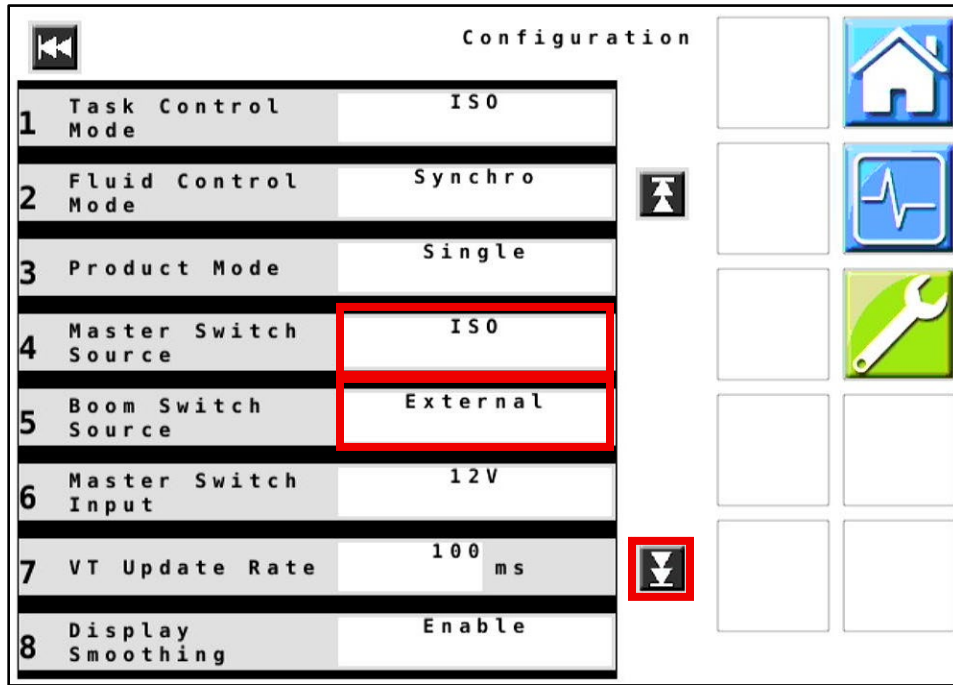



Figure 2 — Configuration Menu – Page 1

4. **Figure 2:** Change **Master Switch Source** to **ISO** and leave **Boom Switch Source** at **External**.

Note: Older software revisions will have both selection options listed as None, which is their equivalent.

5. Tap  to navigate to Page 2.

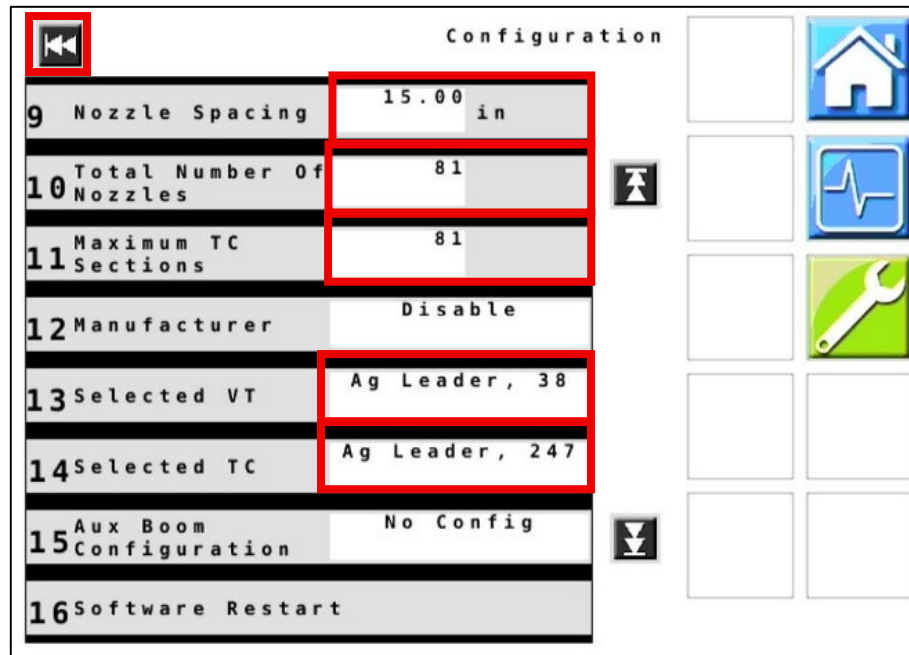



Figure 3 — Configuration Menu – Page 2

6. **Figure 3:** On Page 2 of the Configuration Menu:
 - a. Enter the correct **Nozzle Spacing** for your machine
 - i. If Task Control boom width is not correct, adjust nozzle spacing accordingly as some booms are known to be modified from original factory configuration
 - b. Verify the **Total Number of Nozzles** matches the number on your machine
 - c. Match the **Maximum TC Sections** number to the **Total Number of Nozzles**
 - d. Change the **Selected VT** option if desired
 - i. This option will dictate which monitor the PinPoint III UT will be displayed
 - e. Change the **Selected TC** to the desired Task Controller
7. Tap  to navigate to Page 3.

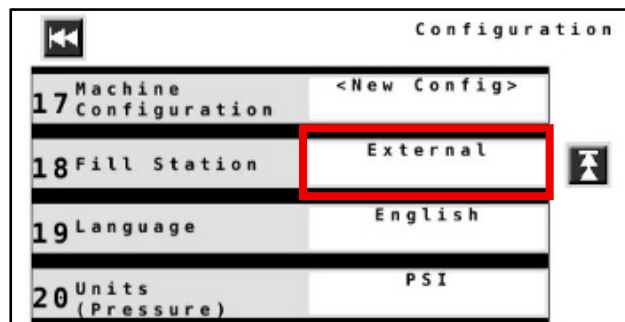


Figure 4 — Configuration Menu – Page 3

8. **Figure 4:** Change **Fill Station** option to **External**.
9. **Leave all other items in Configuration Menu at default setting unless otherwise advised.**
10. Tap the **Back Arrow** to return to the Initial Setup menu and select **VCM Setup**.

IMPORTANT: Complete this step before performing any other boom setup.

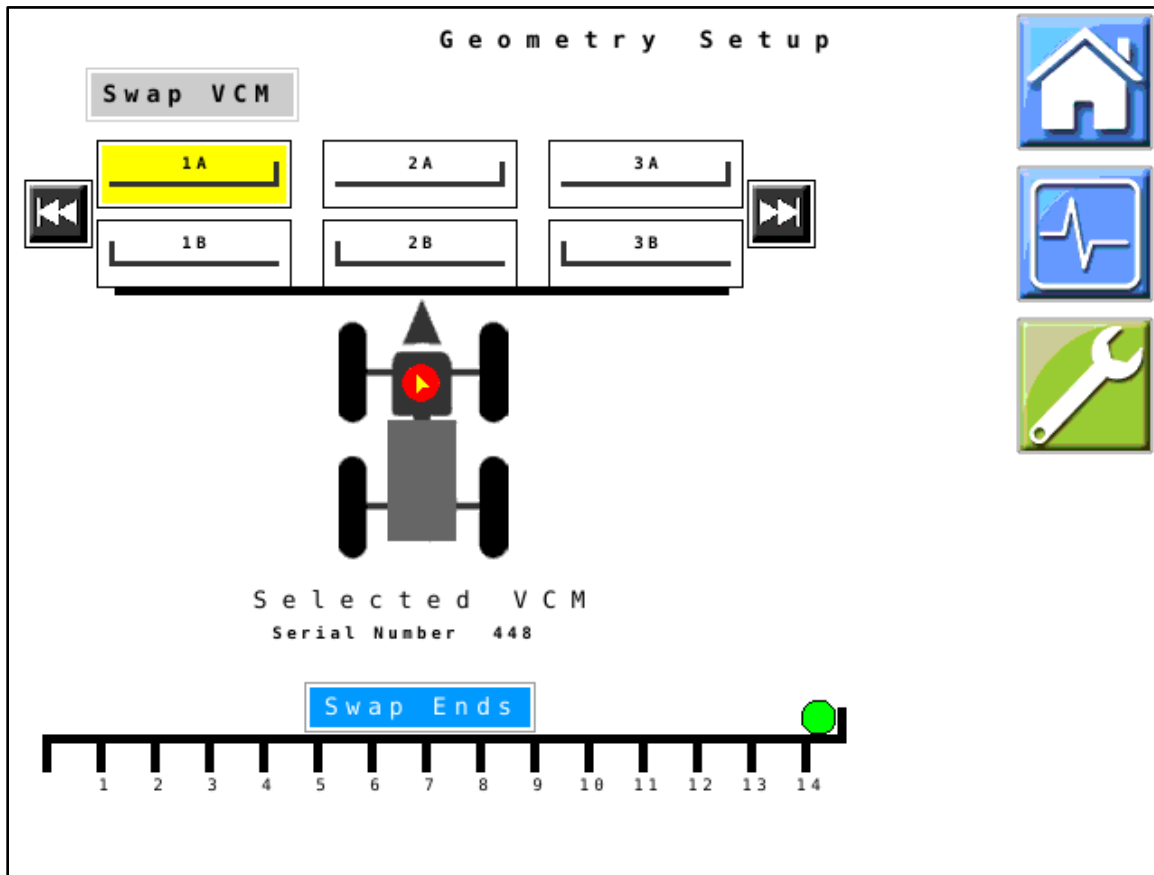




Figure 5 — Geometry Setup – Legacy VCMs

Note: The **green dot** on the display indicates the position of the selected VCM (highlighted in yellow) in relation to the nozzles on its hub CAN channel. Tapping a VCM again after highlighting will cause the nozzles attached to it to pulse to assist with recognition.

11. **Figure 5:** VCMs must be in the correct order and orientation on the boom. Tap the **Swap Ends** button with the highlighted VCM to orient the VCM correctly on the boom, if necessary. VCMs can be mounted with the tube towards the center of the machine (**green dot**) and the pigtail running towards the outside tip, or vice versa. If two VCMs are located on the same hub CAN channel, use the **Swap VCM** button with these VCMs highlighted to orient them correctly left to right, and then make sure the orientation (swap ends) is correct.
12. Use the **Left** and **Right Scroll** icons   to scroll through all the VCMs installed on the machine. Verify each of their locations and serial numbers.

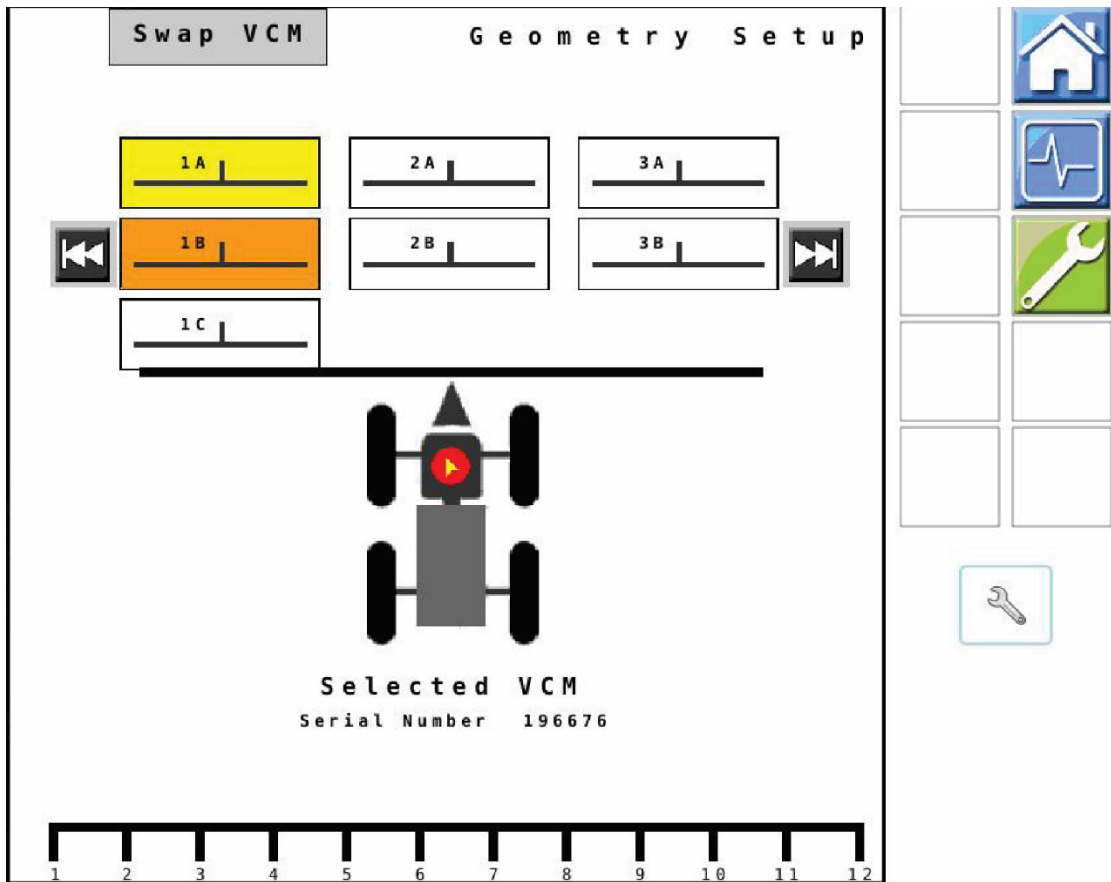


Figure 6 — Geometry Setup – Leap Start VCMs

Figure 6: If your machine is equipped with Leap Start VCMs, the process will be similar, with the exception of the necessity of swapping orientations of each VCM.

Leap Start VCMs should automatically order themselves across the boom but should be verified to ensure proper application.

To Swap VCMs:

- Locate the two VCMs that need to be swapped (tapping a single VCM twice will cause its associated valves to pulse)
- Tap the first to highlight **yellow**
- Tap the second to highlight **orange**
- Tap **Swap VCM**

Leap Start VCMs are labeled to assist with correct installation orientation. If nozzles are firing in reverse order from left to right, check installation orientation.

- To verify correct order and orientation of the VCMs, perform a Key Fob test. This process is outlined in further detail in the PinPoint III Operator’s Manual shipped with your kit, or on the CapstanAG website at: <https://capstanag.com/pinpoint-iii-envelop/>

Note: This MUST be done before continuing any further with setup. Failure to verify the VCM orientation will result in incorrect automatic nozzle shutoff.

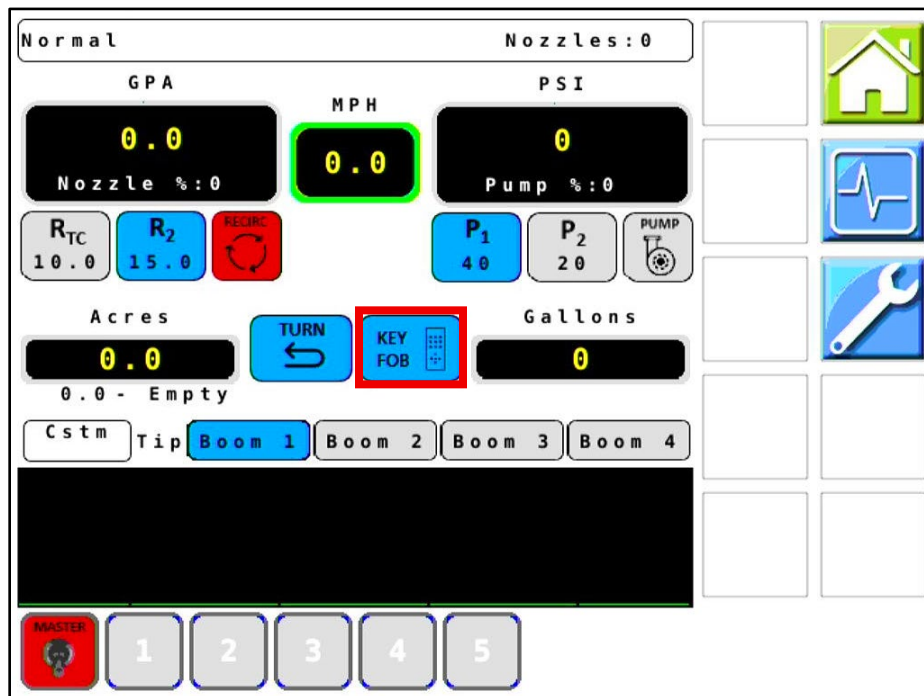



Figure 7 — Key Fob Verification

Note: The CapstanAG Mobile App must be used with the system in key fob mode for this test Procedure when using Leap Start VCMs

- Tap the **Home** icon  to return to the home screen.
- Figure 7:** Tap the **Key Fob** icon to set key fob mode to **ON**.
- Locate the key fob remote control or use the Capstan app. Using the right arrow key on the key fob or the app, turn on each of the nozzles one at a time across the boom. If the VCM orientation and position is correct, the nozzles will turn on in order left to right across the boom. If the nozzles do not turn on in the correct order, navigate back to the **VCM Setup** screen and correct any errors.

17. Tap the **Wrench**  icon and select **Boom/Nozzle > Nozzle Bounds**.

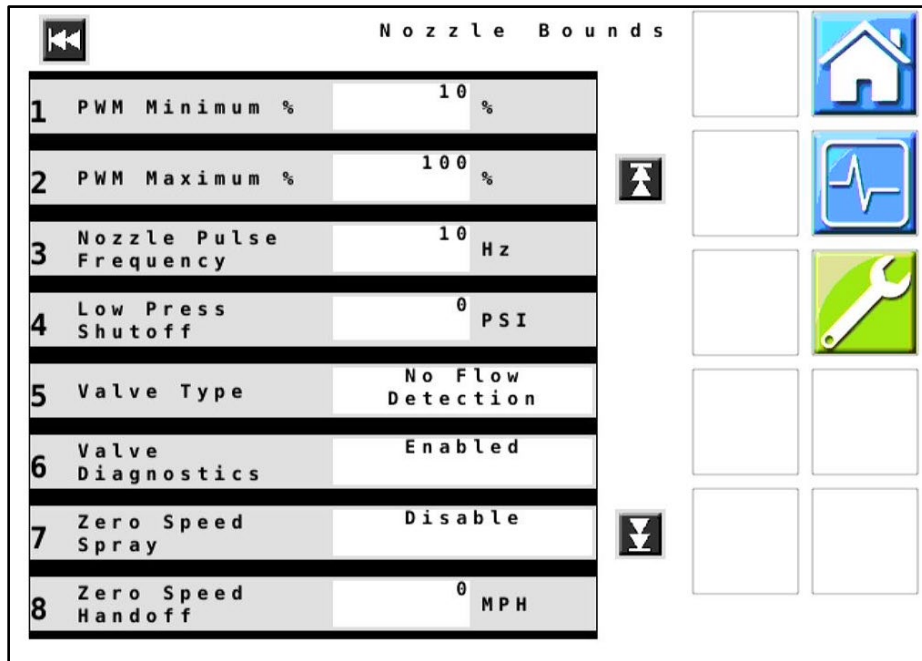


Figure 8 — Nozzle Bounds

18. **Figure 8:** The settings for Nozzle Bounds are generally left at default settings. Refer to the Operator's Manual for setting descriptions prior to making changes.

19. Tap the **Back** icon  to return to the **Boom/Nozzle** menu. Select **Nozzle Setup**.

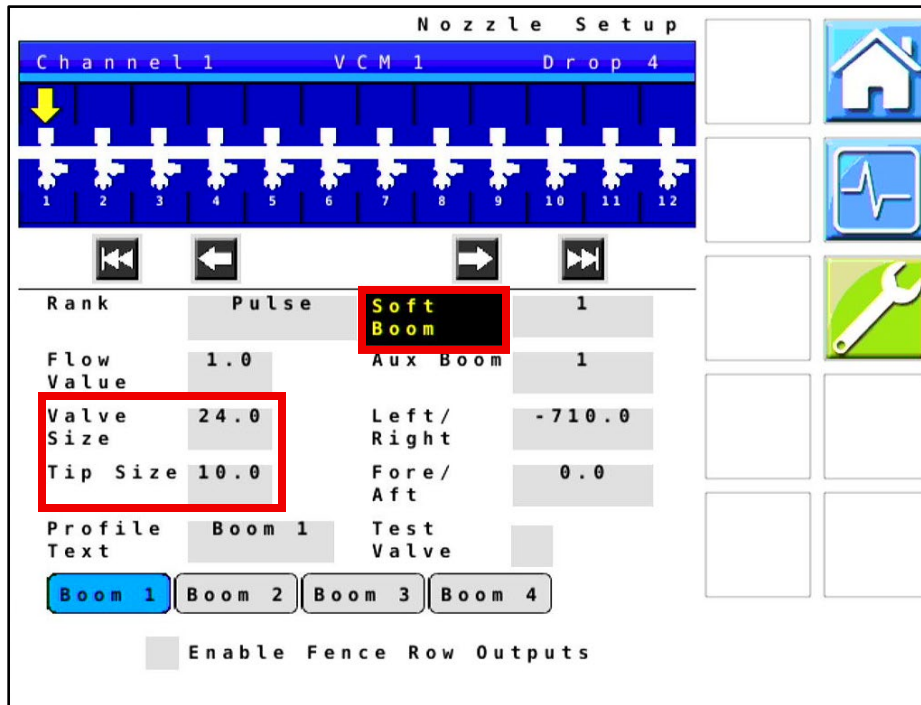



Figure 9 — Nozzle Setup

20. **Figure 9:** Use the Nozzle Setup screen to set up and name custom boom profiles.

21. Valve size value may be either **15.5** (for 7-watt valves with black heat shrink tubing) or **24** (for 12-watt valves with blue heat shrink tubing). Verify which valves your unit is equipped with.

22. Change the Tip Size to the correct value installed on your machine.

Different nozzle profiles can be configured by selecting each Boom profile button and modifying nozzle size and ranks. Refer to the Operator's Manual for Nozzle Rank explanations if necessary.

23. Select the **Soft Boom**  icon to configure the soft boom setup for each profile. Refer to the tables at the end of these instructions for the correct soft boom configuration for your machine.

24. On the primary Deere monitor, navigate to the GreenStar rate controller UT page and tap the **CAL**  icon.

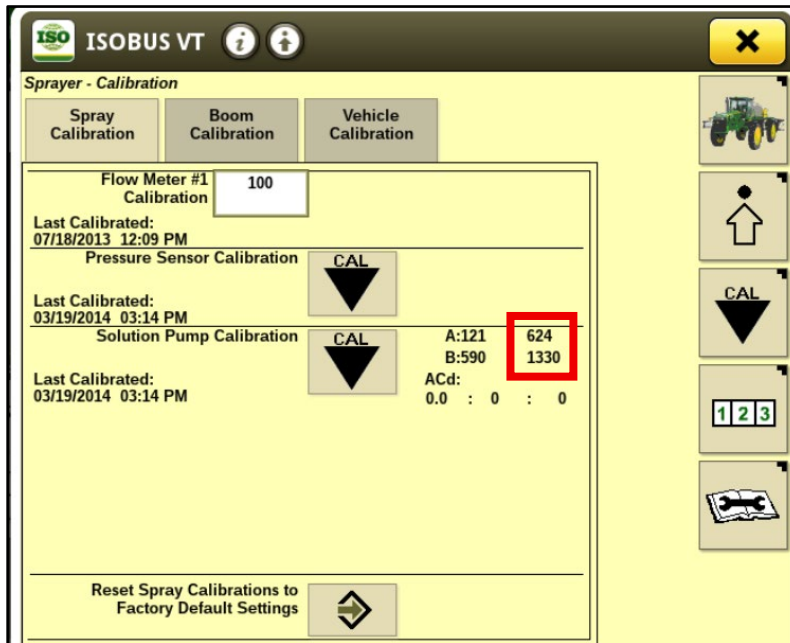


Figure 10 — GreenStar Calibration Page

Standard Flow		
	Speed (RPM)	Current (mA)
A	800-1200	350-750
B	5500-6000	1275-1625
High Flow		
	Speed (RPM)	Current (mA)
A	800-1200	400-670
B	4000-4600	1450-1750

Table 1 — John Deere Solution Pump Calibration for GreenStar Rate Controller

To obtain the correct **Servo Minimum %** and **Servo Maximum %** values for the machine, complete the following using the information provided in **Figure 10** and **Table 1**:

- For Standard Flow machines, use the Standard Flow Max mA threshold; for High Flow machines, use the High Flow Max mA threshold
- For this example, **Standard Flow** numbers will be used:
 - To get the **Servo Minimum %** value, observe the mA reading for the low end (A: 624) and divide it by the maximum Current (mA) threshold:

$$\frac{624}{1625} = 0.384 \times 100 \approx 38\%$$

- To get the **Servo Maximum %** value, observe the mA reading for the high end (B:1330) and divide it by the maximum Current (mA) threshold:

$$\frac{1330}{1625} = 0.818 \times 100 \approx 82\%$$

25. Return to the PinPoint III UT.

26. Tap the **Wrench** icon  to return to the **Settings** menu. Select **Pressure > Pump Setup**.

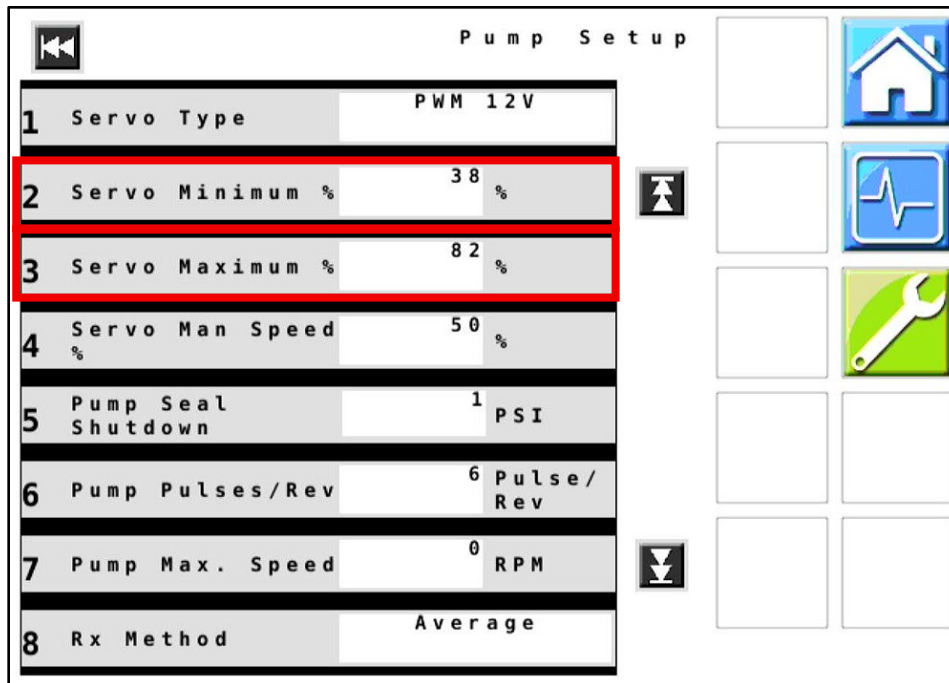



Figure 11 — Pump Setup – Page 1

27. **Figures 11:** Enter the numbers calculated in the previous step for the **Servo Minimum %** and **Servo Maximum %** values.

28. Tap the **Back** icon  to return to the **Pressure** menu. Select **Sensor Setup**.

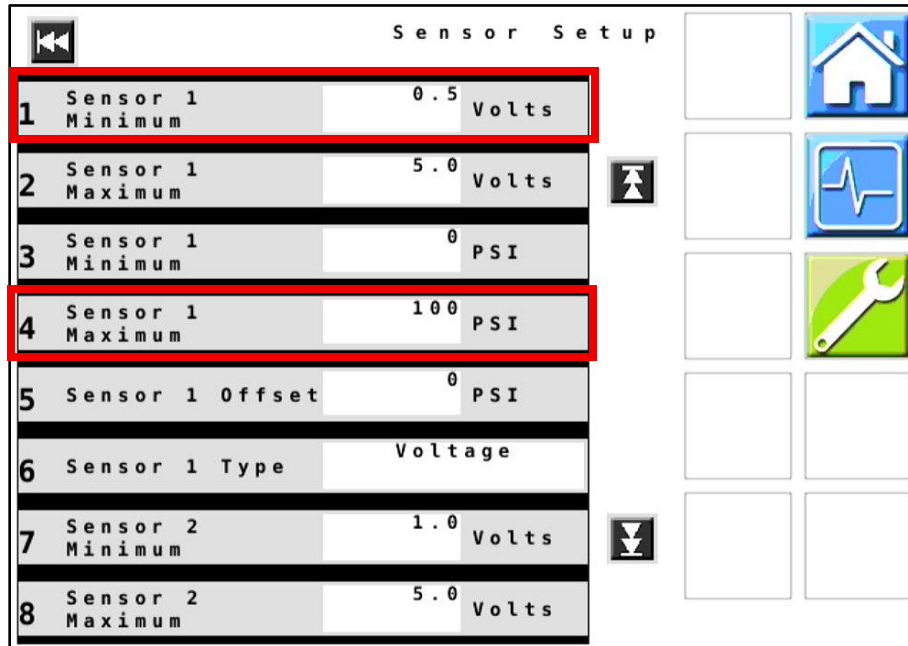


Figure 12 — Sensor Setup Page 1

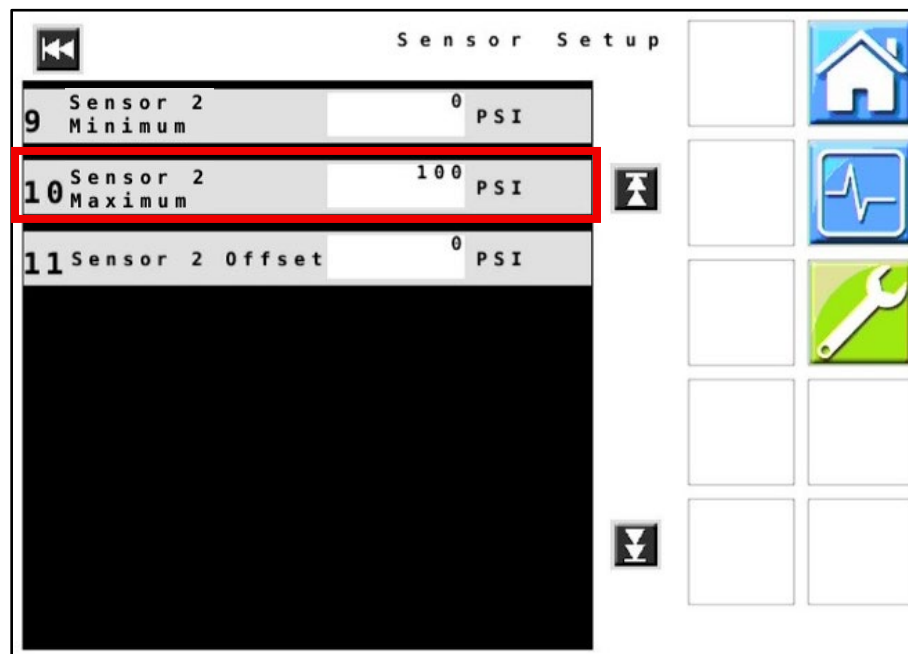


Figure 13 — Sensor Setup Page 2

Figures 12 & 13: Verify that all values displayed on your unit match those shown here. Change values if necessary.

29. Tap the **Back** icon  to return to the **Pressures** menu. Select **Control Tuning**.

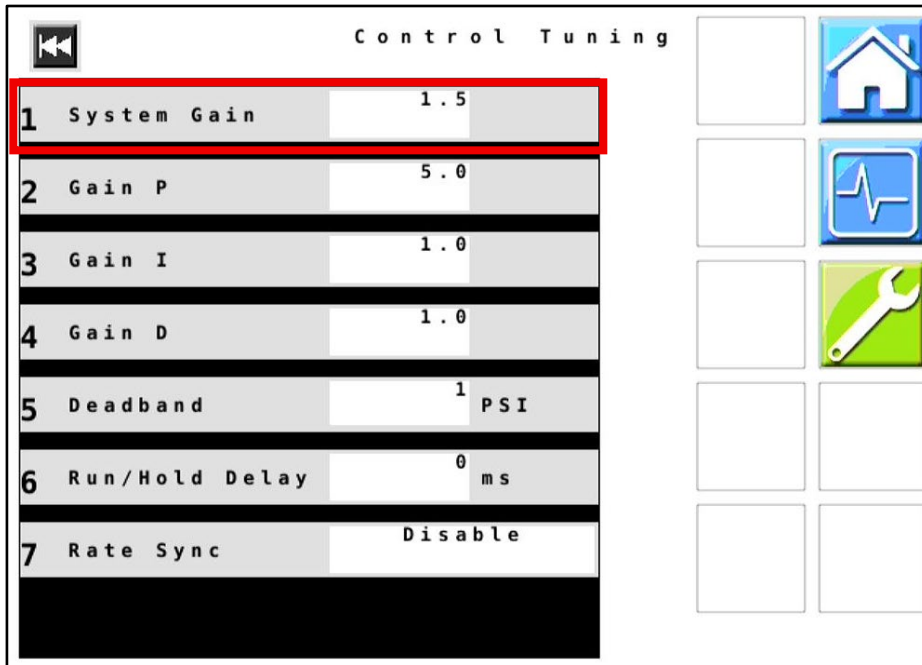



Figure 14 — Control Tuning

30. **Figure 14:** Verify that all values displayed on your unit match those shown here. Change values if necessary.

31. Tap the **Back** icon  twice to return to the **Settings** menu. Select **Flow > Flowmeter**.

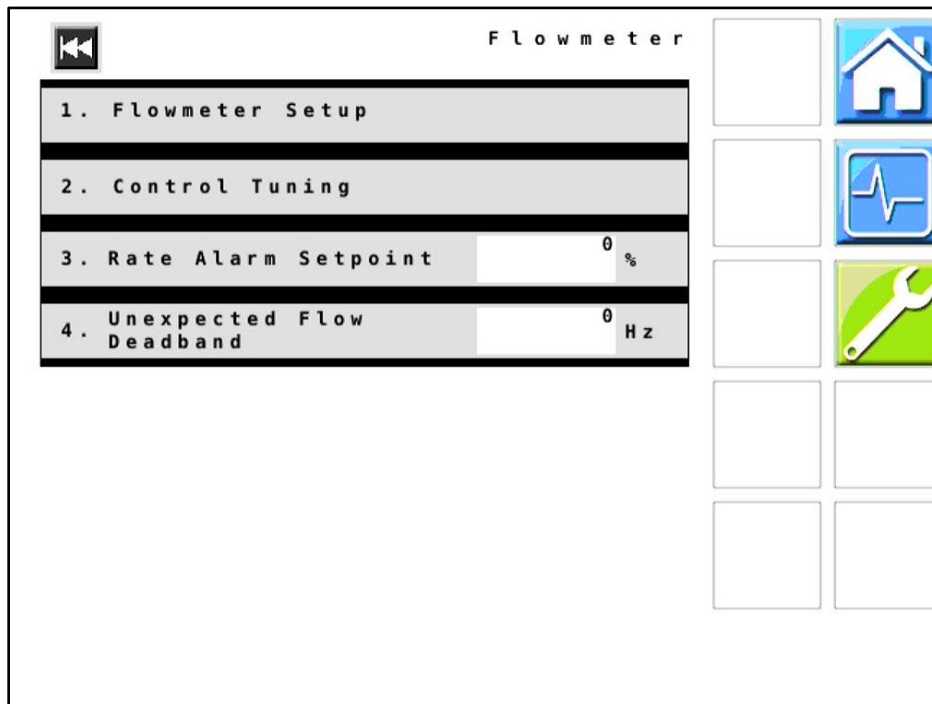


Figure 15 — Flowmeter

32. **Figure 15:** Verify that all values displayed on your unit match those shown here. Change values if necessary.

33. Select Flowmeter Setup.

Flowmeter Setup	
1	Meter 1 Type Correction
2	Meter 1 Minimum 3 Gal/Min
3	Meter 1 Calibration 0 Pulse/10 Gal
4	Meter 1 Error Limit 50 %
5	Specific Gravity 1 1.00
6	Meter 2 Type Transparent
7	Meter 2 Minimum 0 Gal/Min
8	Meter 2 Calibration 1734 Pulse/10 Gal


Figure 16 — Flowmeter Setup Page 1

Flowmeter Setup	
9	Meter 2 Error Limit 0 %
10	Specific Gravity 2 1.00
11	JD-R Low Flow Mode 0 Gal/Min
12	Preset Rate Average Average
13	Flowmeter Sense Resistor Pull-Up
14	Tank Sensor Calibration Not Started

Figure 17 — Flowmeter Setup Page 2

34. **Figures 16 & 17:** Gather and record the Flowmeter Calibration numbers found on the Flowmeter’s tag. The default value is 0 or 1734 depending on software revision. If Machine is equipped with a Fill Flowmeter, enter this number for Meter 2 Calibration.

Note: Other settings in this menu may be left at default settings unless otherwise required. Refer to Operator's Manual for setting descriptions.

35. Tap the **Back** icon  to return to the **Flow** menu. Select **Control Tuning**.

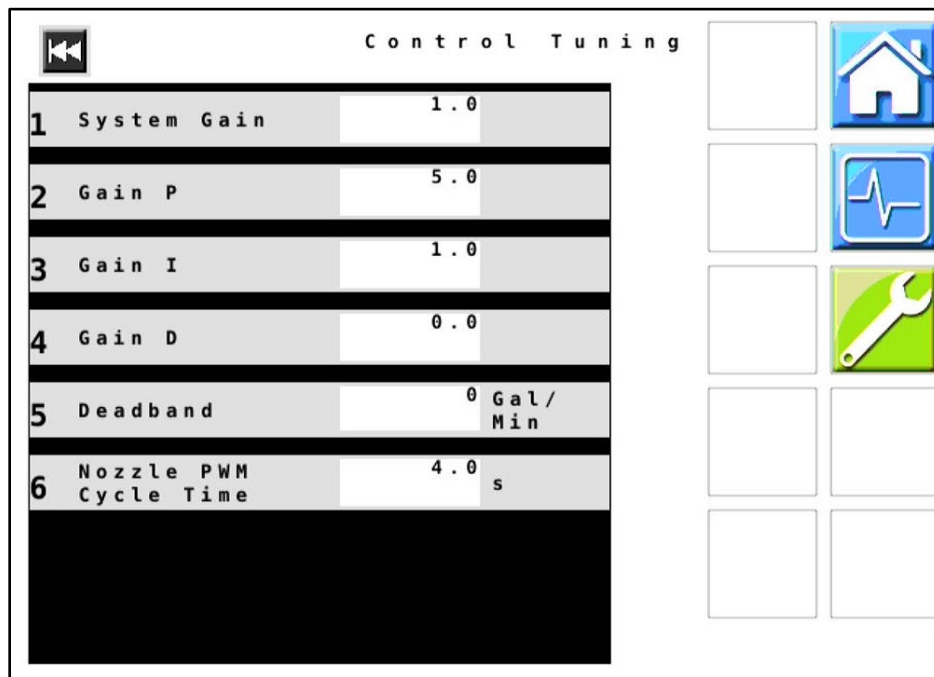


Figure 18 — Control Tuning

36. **Figure 18:** Verify that all values displayed on your unit match those shown here. Change values if necessary.

Note: Flow Control Tuning values do not need to be changed unless the sprayer will be operating in No Pulse or Conventional Mode. Refer to the Conventional Sprayer setup guide on the CapstanAg website at: <https://capstanag.com/pinpoint-iii-envelop/>.

37. Tap the **Back** icon  twice to return to the **Settings** menu. Select **Navigation > Vehicle**.

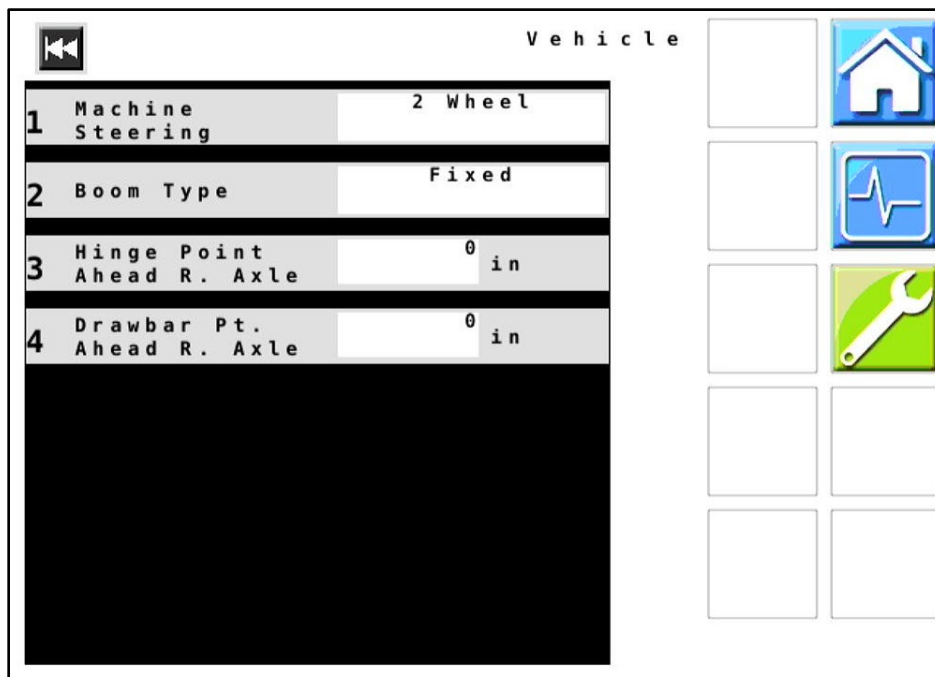



Figure 19 — Vehicle

38. **Figure 19:** Verify that all values displayed on your unit match those shown here. Change values if necessary.

39. Tap the **Back** icon  to return to the **Navigation** menu. Select **Implement**.

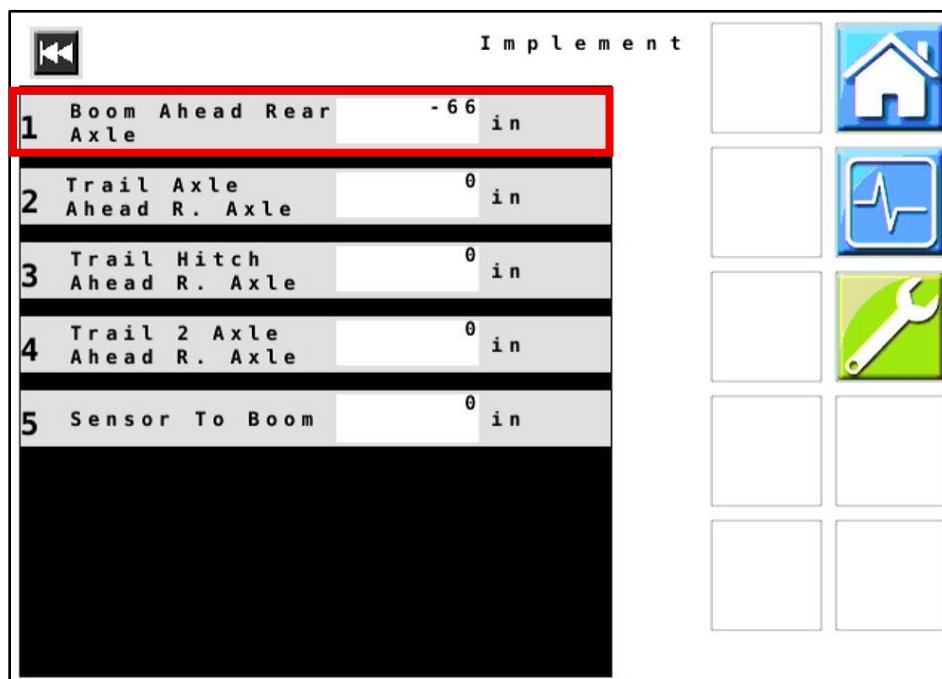


Figure 20 — Implement

40. **Figure 20:** Verify the measurement above for **Boom Ahead Rear Axle**. This measurement is the distance between the rear axle of the sprayer and application point.
- The measurement shown is from a Deere 4830

41. Tap the **Back** icon  to return to the **Navigation** menu. Select **ISO Look Ahead**.

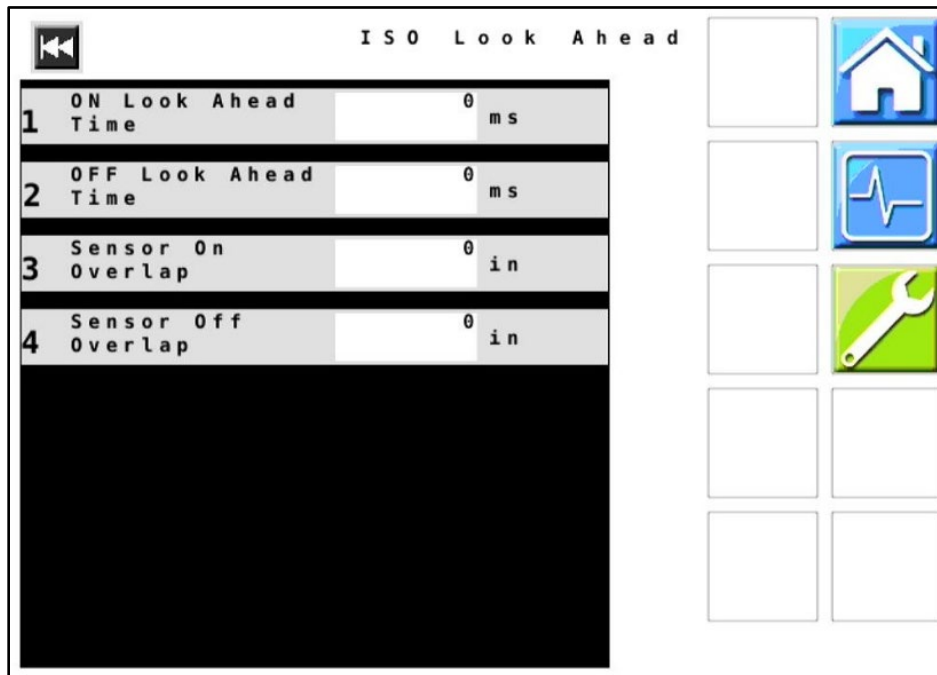



Figure 21 — ISO Look Ahead

42. **Figure 21:** Verify that all values displayed on your unit match those shown here. ISO Look Ahead settings are generally governed by the Task Controller attached. If preferred, the Look Aheads set on the Task Controller can be disabled and these values can be modified to take Look Ahead information from the PinPoint III.

43. Navigate to the **Starfire GPS UT page** and select the **Serial Port** tab.



44. Change the **Baud Rate** to **19200**, **Baud Rate** to **5 Hz** and **enable all messages** as shown.

45. Tap the **Back** icon  to return to the **Navigation** menu. Select **GPS**.

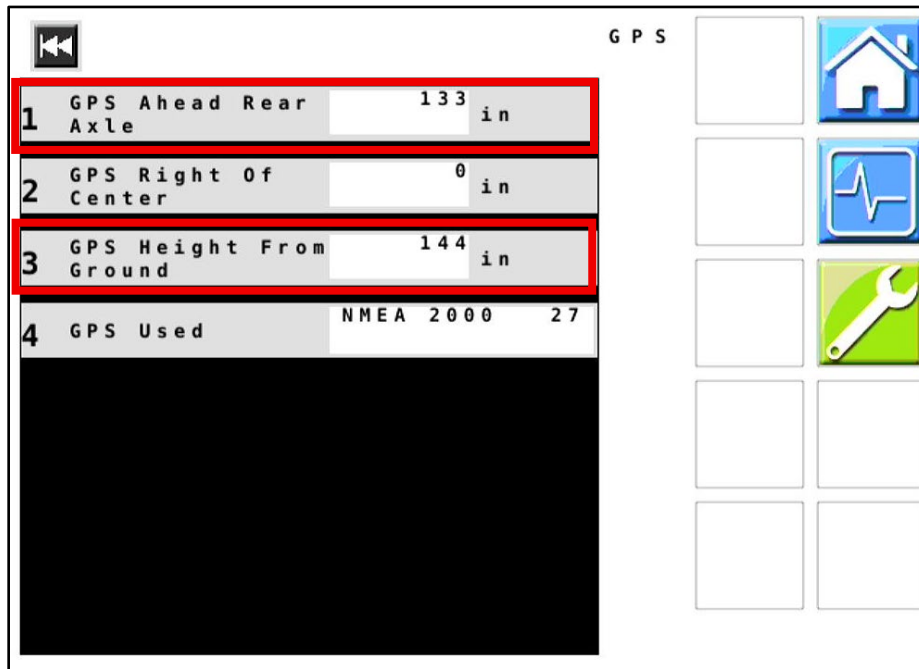


Figure 23 — GPS

46. **Figure 23:** Select the type of GPS from the list of available options. Not all the options listed here will be shown on your system. Only the types available for your system will be shown on your list.

- If your machine has serial GPS, select NMEA0183
- If your machine has CAN GPS, available types include—in preference order:
 - a. J1939
 - b. NMEA2000
 - c. ISO 11783

IMPORTANT: Machines with a Raven RS1 or Trimble receiver, GPS measurements will be left at the default values displayed. If any other GPS receiver, take measurements and record them here.

47. **Figure 23:** Enter the measurements shown above for **GPS Ahead Rear Axle** and **GPS Height From Ground** if required.

48. To complete setup, Tap the  button > **Initial Setup** > and **Configuration** on the following page.

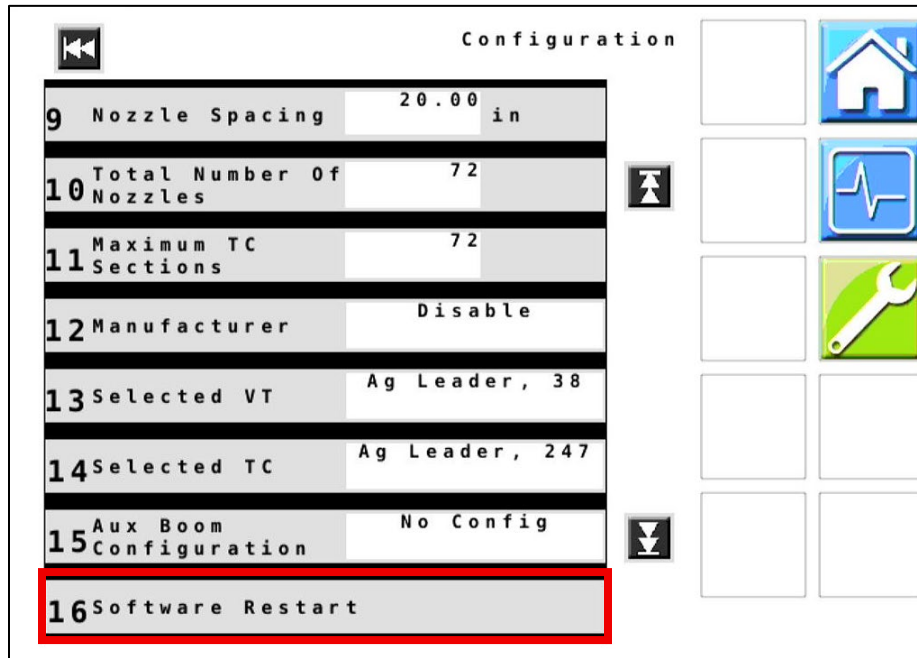


Figure 24 – Configuration Menu – Page 2

49. **Figure 24:** Navigate to **Page 2** and tap **Software Restart**.

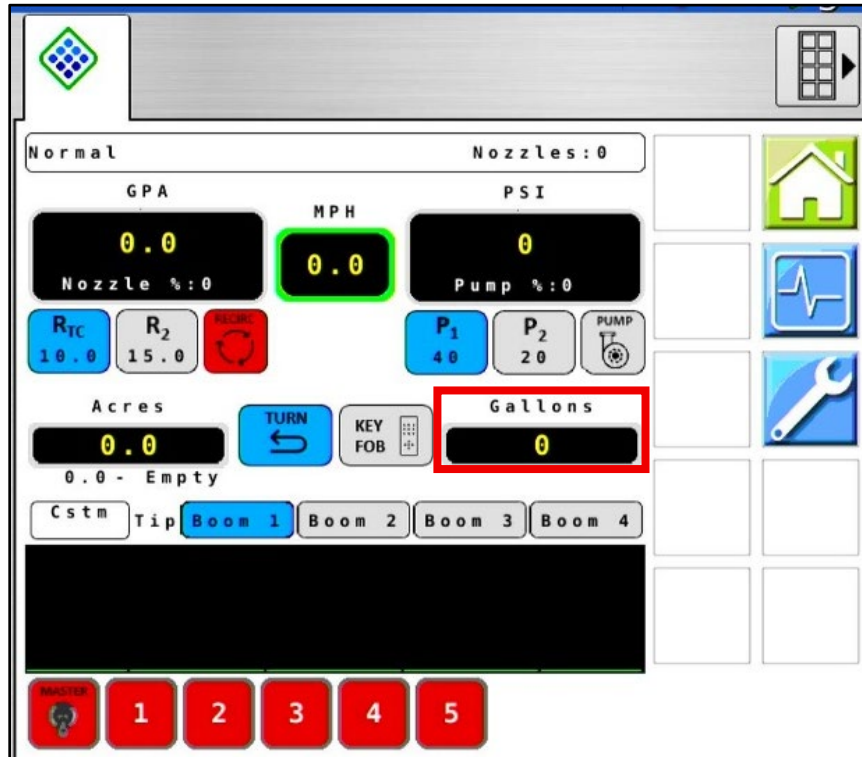


Figure 25 – PinPoint III Home Screen

50. **Figure 25:** Once system is restarted from previous step, tap the **Gallons** text input area to open the **Tank Meter** popup.

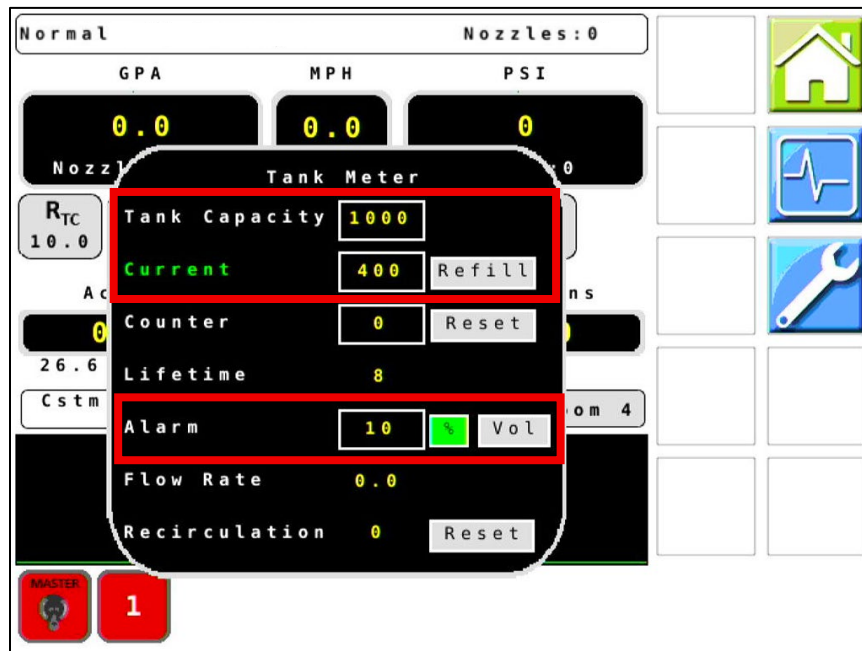


Figure 26 – Tank Meter Popup

51. **Figure 26:** Enter the **Tank Capacity**, **Current Volume** in the tank, and the **Alarm** threshold for alerting when volume is running low if desired.



Soft Boom Configurations

Soft Boom	Start	End	Soft Boom	Start	End
1	1	9	11	0	0
2	10	21	12	0	0
3	22	28	13	0	0
4	29	40	14	0	0
5	41	49	15	0	0
6	0	0	16	0	0
7	0	0	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4630/R4023 76x19 Standard

Soft Boom	Start	End	Soft Boom	Start	End
1	1	8	11	0	0
2	9	24	12	0	0
3	25	41	13	0	0
4	42	57	14	0	0
5	58	65	15	0	0
6	0	0	16	0	0
7	0	0	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4630/R4023 80x15

Soft Boom	Start	End	Soft Boom	Start	End
1	1	6	11	0	0
2	7	18	12	0	0
3	19	30	13	0	0
4	31	42	14	0	0
5	43	48	15	0	0
6	0	0	16	0	0
7	0	0	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4630/R4023 80x20

Soft Boom	Start	End	Soft Boom	Start	End
1	1	12	11	0	0
2	13	28	12	0	0
3	29	45	13	0	0
4	46	61	14	0	0
5	62	73	15	0	0
6	0	0	16	0	0
7	0	0	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4630/R4023 90x15

Soft Boom	Start	End	Soft Boom	Start	End
1	1	6	11	0	0
2	7	18	12	0	0
3	19	30	13	0	0
4	31	42	14	0	0
5	43	48	15	0	0
6	0	0	16	0	0
7	0	0	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

Soft Boom	Start	End	Soft Boom	Start	End
1	1	9	11	0	0
2	10	18	12	0	0
3	19	29	13	0	0
4	30	36	14	0	0
5	37	47	15	0	0
6	48	56	16	0	0
7	57	65	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0



4630/R4023 90x20

4730/4830 80x15 Extra Nozzle

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	8	11	0	0	⬆️
2	9	17	12	0	0	⬆️
3	18	28	13	0	0	⬆️
4	29	35	14	0	0	⬆️
5	36	46	15	0	0	⬆️
6	47	55	16	0	0	⬆️
7	56	63	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	8	11	0	0	⬆️
2	9	17	12	0	0	⬆️
3	18	28	13	0	0	⬆️
4	29	35	14	0	0	⬆️
5	36	46	15	0	0	⬆️
6	47	55	16	0	0	⬆️
7	56	63	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️

4730/4830 80x15 Standard

4730/4830 80x20

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	13	11	0	0	⬆️
2	14	22	12	0	0	⬆️
3	23	33	13	0	0	⬆️
4	34	40	14	0	0	⬆️
5	41	51	15	0	0	⬆️
6	52	60	16	0	0	⬆️
7	61	73	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	12	11	0	0	⬆️
2	13	21	12	0	0	⬆️
3	22	32	13	0	0	⬆️
4	33	39	14	0	0	⬆️
5	40	50	15	0	0	⬆️
6	51	59	16	0	0	⬆️
7	60	71	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️

4730/4830 90x15 Extra Nozzle

4730/4830 90x15 Standard

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	9	11	0	0	⬆️
2	10	15	12	0	0	⬆️
3	16	24	13	0	0	⬆️
4	25	30	14	0	0	⬆️
5	31	39	15	0	0	⬆️
6	40	45	16	0	0	⬆️
7	46	54	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️

Soft Boom	Start	Soft Boom End	Soft Boom	Setup Start	Setup End	
1	1	17	11	0	0	⬆️
2	18	26	12	0	0	⬆️
3	27	37	13	0	0	⬆️
4	38	44	14	0	0	⬆️
5	45	55	15	0	0	⬆️
6	56	64	16	0	0	⬆️
7	65	81	17	0	0	⬆️
8	0	0	18	0	0	⬆️
9	0	0	19	0	0	⬆️
10	0	0	20	0	0	⬆️



4730/4830 90x20

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	16	11	0	0	✓
2	17	25	12	0	0	✗
3	26	36	13	0	0	⬆
4	37	43	14	0	0	
5	44	54	15	0	0	
6	55	63	16	0	0	
7	64	79	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	

4730/4830 100x15 Extra Nozzle

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	12	11	0	0	✓
2	13	18	12	0	0	✗
3	19	27	13	0	0	⬆
4	28	33	14	0	0	
5	34	42	15	0	0	
6	43	48	16	0	0	
7	49	60	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	

4730/4830 100x15 Standard

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	12	11	0	0	✓
2	13	32	12	0	0	✗
3	33	41	13	0	0	⬆
4	42	61	14	0	0	
5	62	73	15	0	0	
6	0	0	16	0	0	
7	0	0	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	

4730/4830 100x20

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	11	11	0	0	✓
2	12	31	12	0	0	✗
3	32	40	13	0	0	⬆
4	41	60	14	0	0	
5	61	71	15	0	0	
6	0	0	16	0	0	
7	0	0	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	

4920/4930/4940 90x15 Extra Nozzle

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	9	11	0	0	✓
2	10	24	12	0	0	✗
3	25	30	13	0	0	⬆
4	31	45	14	0	0	
5	46	54	15	0	0	
6	0	0	16	0	0	
7	0	0	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	

4920/4930/4940 90x15 Standard

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	8	11	0	0	✓
2	9	16	12	0	0	✗
3	17	36	13	0	0	⬆
4	37	45	14	0	0	
5	46	65	15	0	0	
6	66	73	16	0	0	
7	74	81	17	0	0	
8	0	0	18	0	0	⬇
9	0	0	19	0	0	
10	0	0	20	0	0	



4920/4930/4940 90x20

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	7	11	0	0
2	8	15	12	0	0
3	16	35	13	0	0
4	36	44	14	0	0
5	45	64	15	0	0
6	65	72	16	0	0
7	73	79	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4920/4930/4940 100x15 Standard

4920/4930/4940 100x15 Extra Nozzle

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	6	11	0	0
2	7	12	12	0	0
3	13	27	13	0	0
4	28	33	14	0	0
5	34	48	15	0	0
6	49	54	16	0	0
7	55	60	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4920/4930/4940 100x20

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	11	11	0	0
2	12	20	12	0	0
3	21	44	13	0	0
4	45	53	14	0	0
5	54	77	15	0	0
6	78	86	16	0	0
7	87	97	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4920/4930/4940 120x15 Extra Nozzle

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	10	11	0	0
2	11	19	12	0	0
3	20	43	13	0	0
4	44	52	14	0	0
5	53	76	15	0	0
6	77	85	16	0	0
7	86	95	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4920/4930/4940 120x15 Standard

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	8	11	0	0
2	9	15	12	0	0
3	16	33	13	0	0
4	34	39	14	0	0
5	40	57	15	0	0
6	58	64	16	0	0
7	65	72	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

4920/4930/4940 120x20

Soft Boom	Start	Soft Boom End	Soft Boom Start	Setup End	
1	1	12	11	0	0
2	13	23	12	0	0
3	24	32	13	0	0
4	33	41	14	0	0
5	42	50	15	0	0
6	51	61	16	0	0
7	62	73	17	0	0
8	0	0	18	0	0
9	0	0	19	0	0
10	0	0	20	0	0

R4030 - R4045 90x15



Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	9	11	0	0	⬆️
2	10	17	12	0	0	
3	18	23	13	0	0	⬆️
4	24	31	14	0	0	
5	32	37	15	0	0	
6	38	45	16	0	0	
7	46	54	17	0	0	
8	0	0	18	0	0	⬇️
9	0	0	19	0	0	
10	0	0	20	0	0	

R4030 - R4045 90x20

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	9	11	0	0	⬆️
2	10	16	12	0	0	
3	17	27	13	0	0	⬆️
4	28	36	14	0	0	
5	37	45	15	0	0	
6	46	54	16	0	0	
7	55	65	17	0	0	
8	66	72	18	0	0	⬇️
9	73	81	19	0	0	
10	0	0	20	0	0	

R4030 - R4045 100x15

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	6	11	0	0	⬆️
2	7	12	12	0	0	
3	13	20	13	0	0	⬆️
4	21	26	14	0	0	
5	27	34	15	0	0	
6	35	40	16	0	0	
7	41	48	17	0	0	
8	49	54	18	0	0	⬇️
9	55	60	19	0	0	
10	0	0	20	0	0	

R4030 - R4045 100x20

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	9	11	89	97	⬆️
2	10	19	12	0	0	
3	20	27	13	0	0	⬆️
4	28	35	14	0	0	
5	36	44	15	0	0	
6	45	51	16	0	0	
7	52	62	17	0	0	
8	63	70	18	0	0	⬇️
9	71	78	19	0	0	
10	79	88	20	0	0	

R4030 - R4045 120x15

Soft Boom	Start	Soft Boom End	Boom Soft Boom	Setup Start	End	
1	1	6	11	67	72	⬆️
2	7	14	12	0	0	
3	15	20	13	0	0	⬆️
4	21	27	14	0	0	
5	28	32	15	0	0	
6	33	40	16	0	0	
7	41	45	17	0	0	
8	46	52	18	0	0	⬇️
9	53	58	19	0	0	
10	59	66	20	0	0	

R4030 - R4045 120x20