

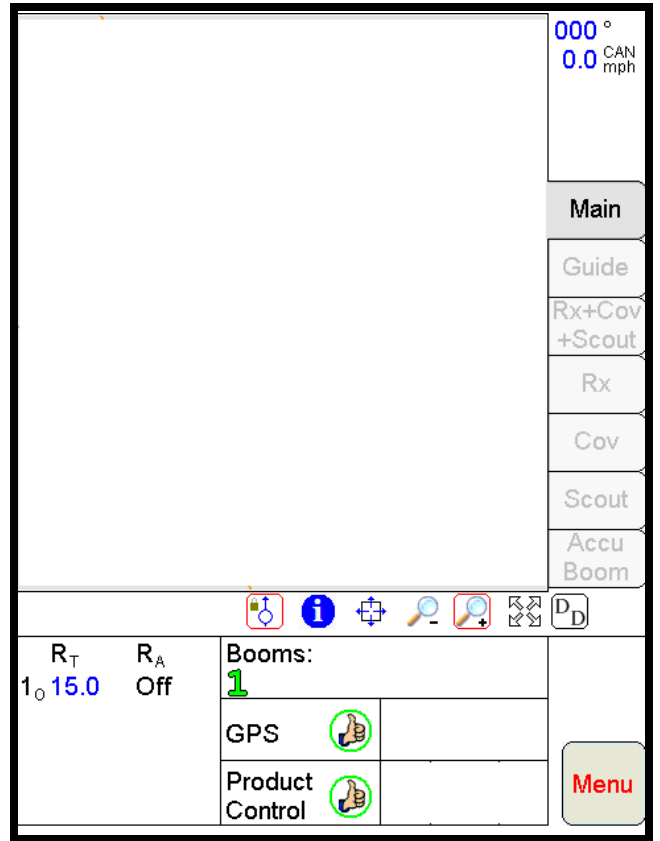
Newton Crouch Inc.

**INITIAL SETUP
FOR VIPER PRO
(DRY)**

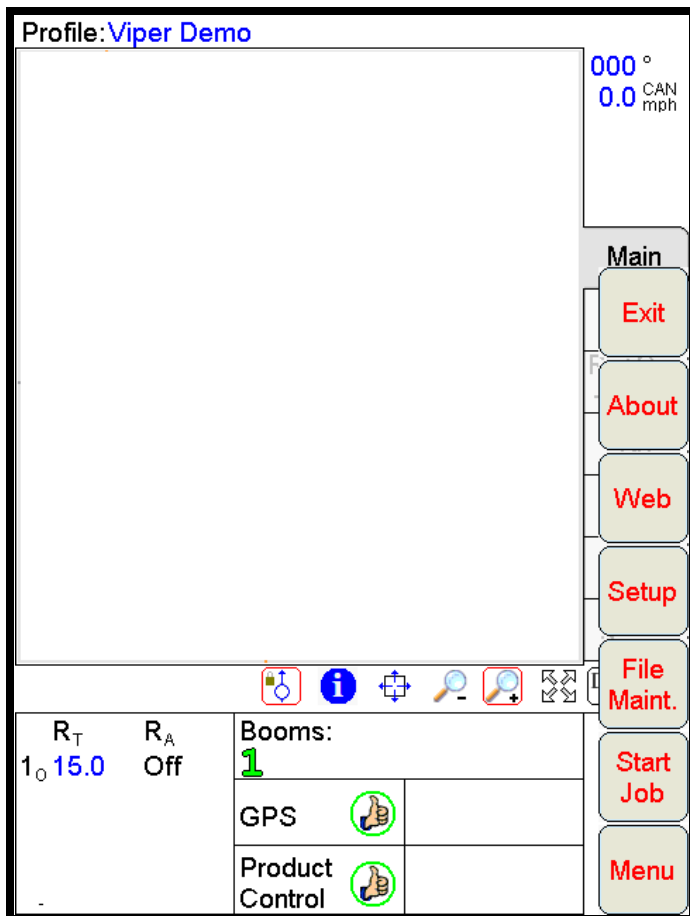
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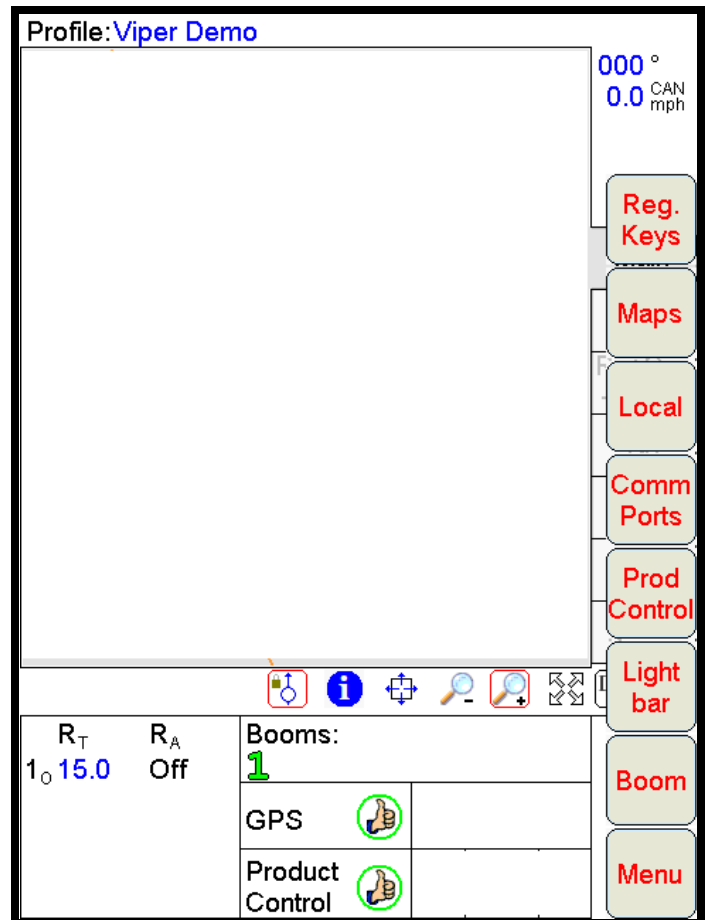
Step # 1
Select - Viper Pro



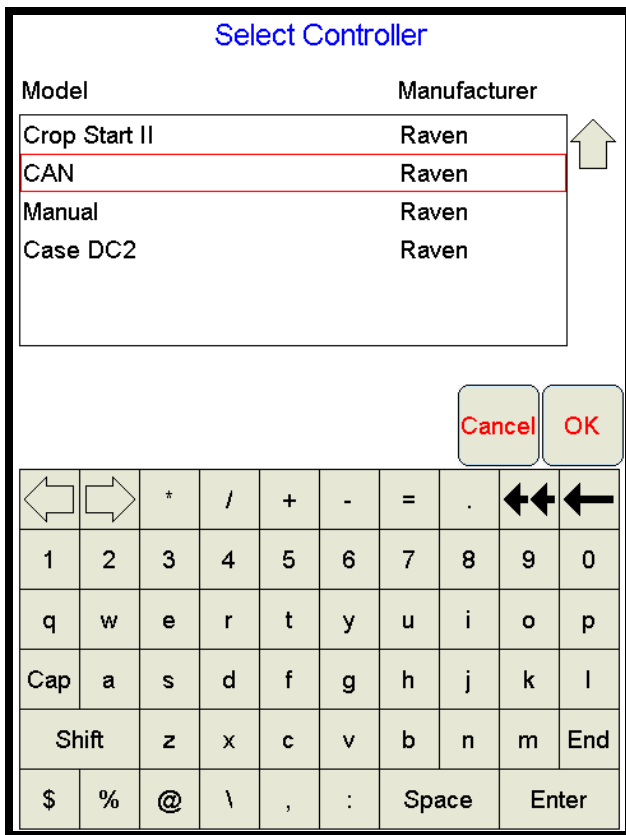
Step # 2
Select - Menu



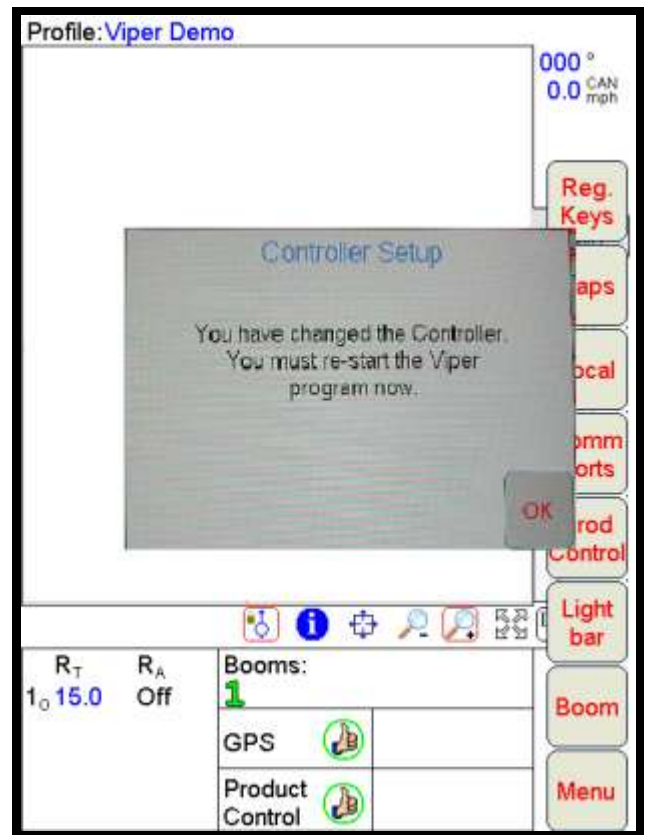
Step # 3
Select - Setup



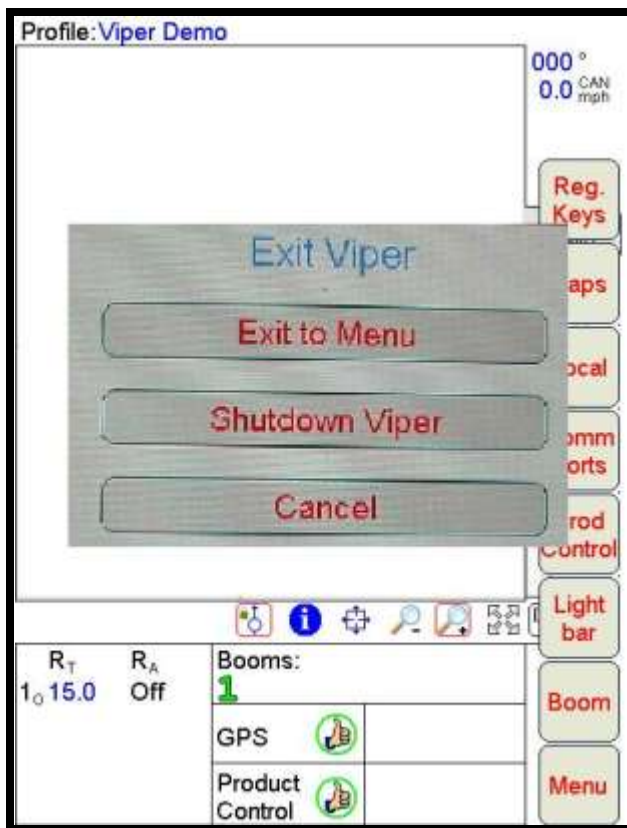
Step # 4
Select - Prod Control



Step # 5
Scroll down & select CAN
Select - OK



Step # 6
Select - OK



Step # 7
Select - Shutdown Viper
After Shutdown, wait 10 seconds & restart Viper

CAN Initialization Results

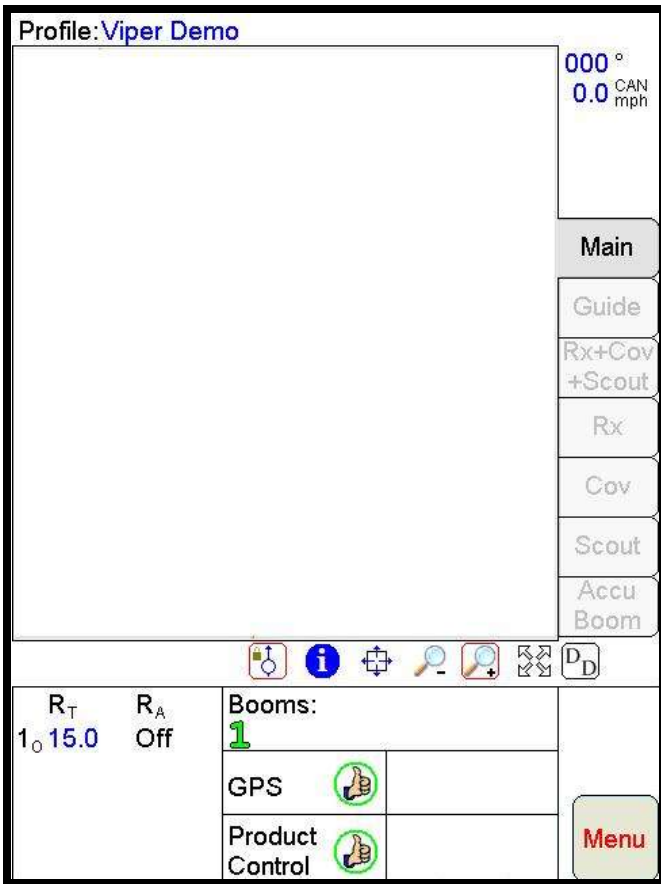
- Boom/Speed Node: Found
- Product 1 Node: Found
- Product 2 Node: Not Found
- Product 3 Node: Not Found
- Product 4 Node: Not Found
- Product 5 Node: Not Found
- Row Sensor Node: Not Found
- AccuBoom Node: Not Found
- Autoboomb Node: Not Found

Re-
Addr
Nodes

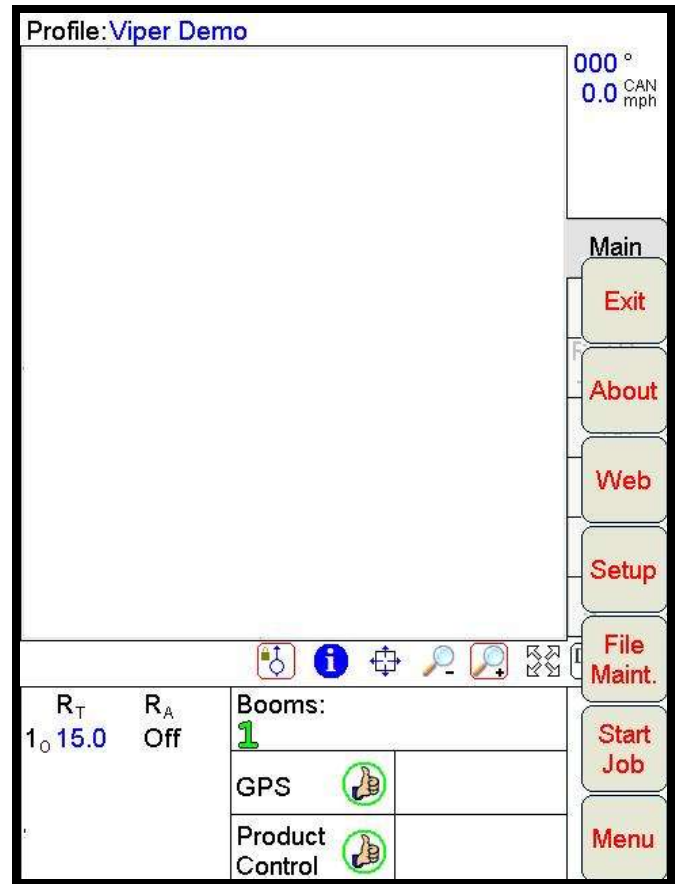
Retry
CAN
Init

Start
Viper

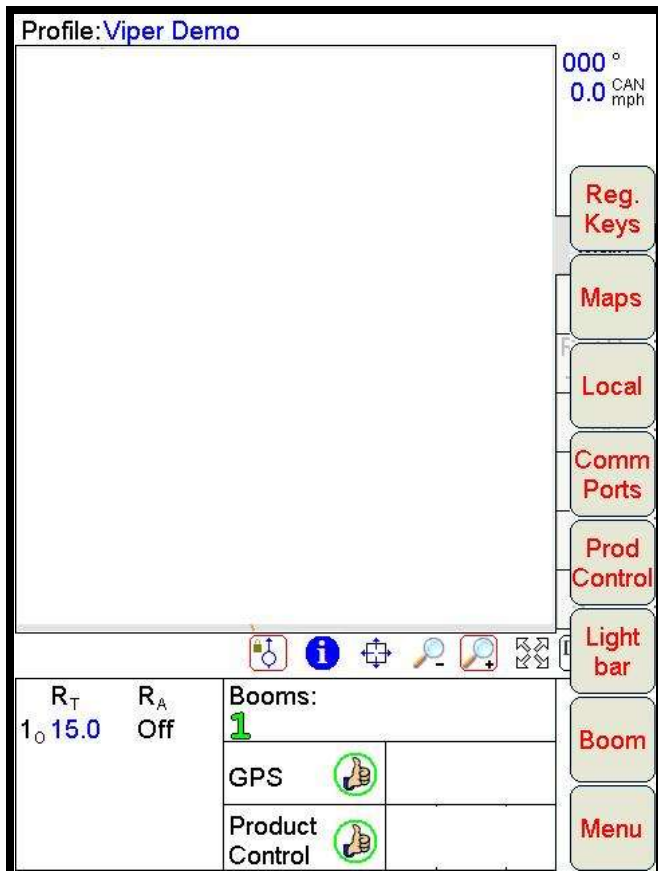
Step # 8
Select - Start Viper



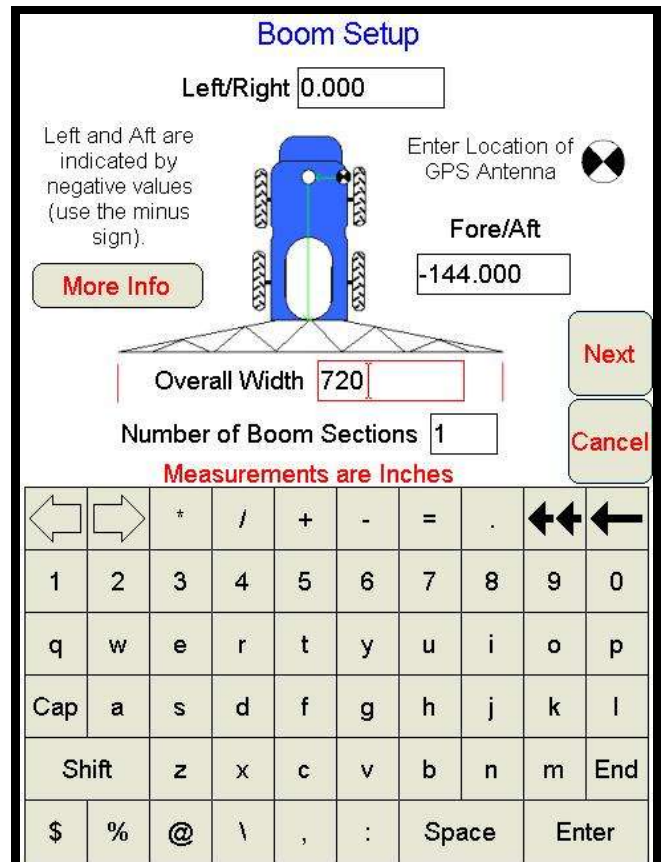
Step # 9
Select – Menu



Step # 10
Select – Setup



Step # 11
Select – Boom



Step # 12
Fill in 4 blocks of info
Select - Next

Boom Setup

Left/Right

Left and Aft are indicated by Enter Location of

Boom Setup Warning

Boom configuration has changed.

Do you want Viper to use the new values and adjust boom layout to a standard configuration?

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 13
Select – Yes

Boom Section Setup

Section	Width	Section	Width
1	<input style="width: 100px;" type="text" value="720.000"/>		

Measurements are Inches

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 14
Fill in Boom Width
Select - Next

Boom Setup Summary

Touch a Boom Section or Summary Entry for Advanced Settings

1

Boom System Center			
Overall Width:	720.0	Left/Right:	0.0
		Fore/Aft:	-144.0

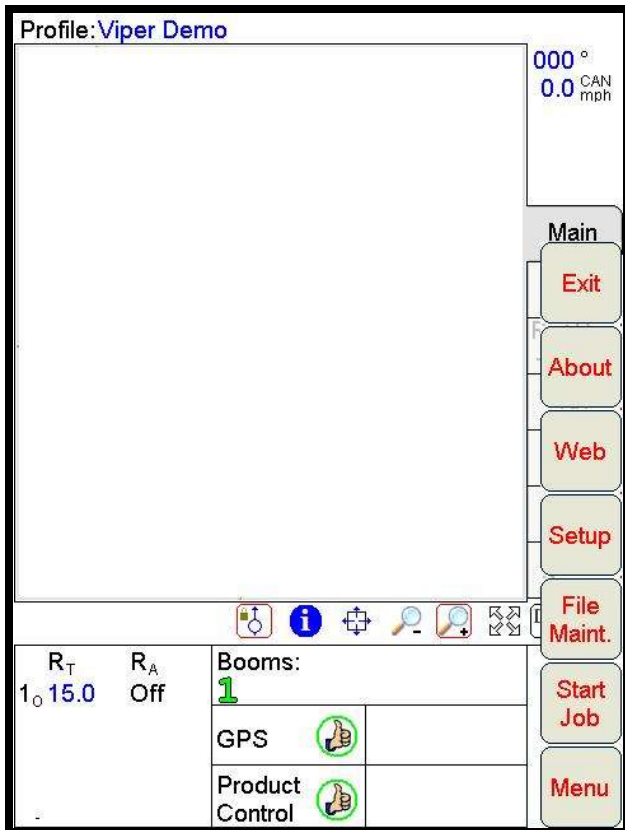
Boom Section Summary					
Boom	Width	Left Right	Fore Aft	Wired As	Display Character
1	720.0	0.0	-144.0	1	1

Step # 15
Select – OK

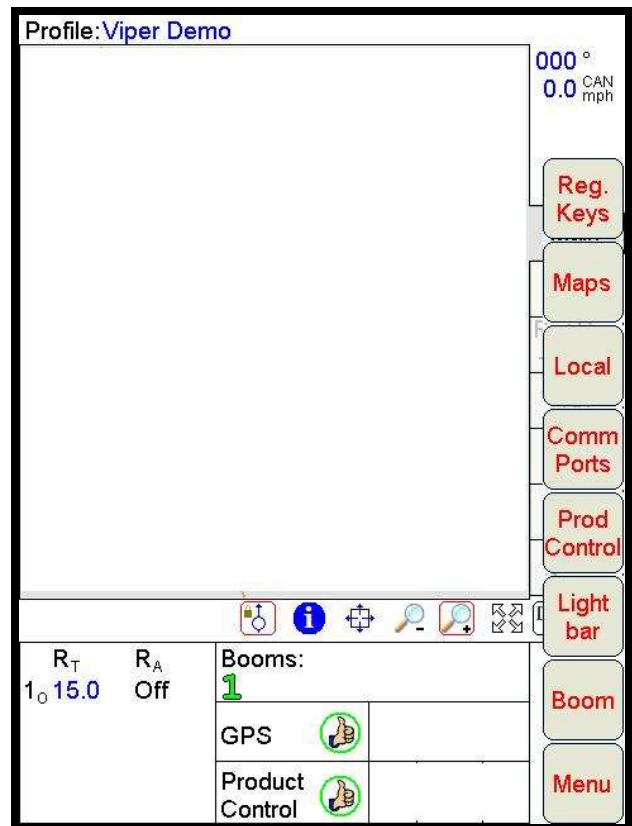
000 °
0.0 CAN mph

R _T	R _A	Booms:
1 _o 15.0	Off	1
		GPS
		Product Control

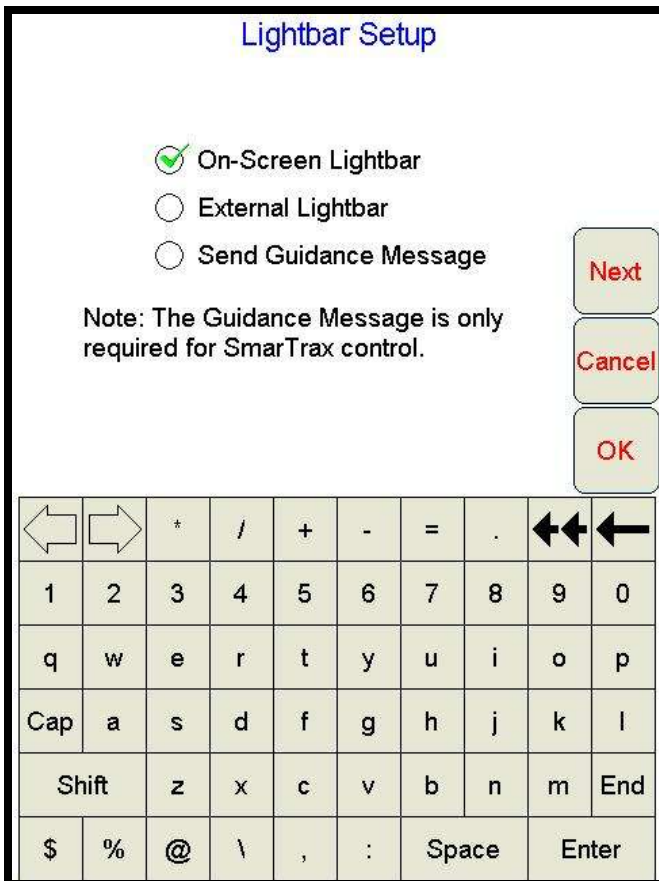
Step # 16
Select - Menu



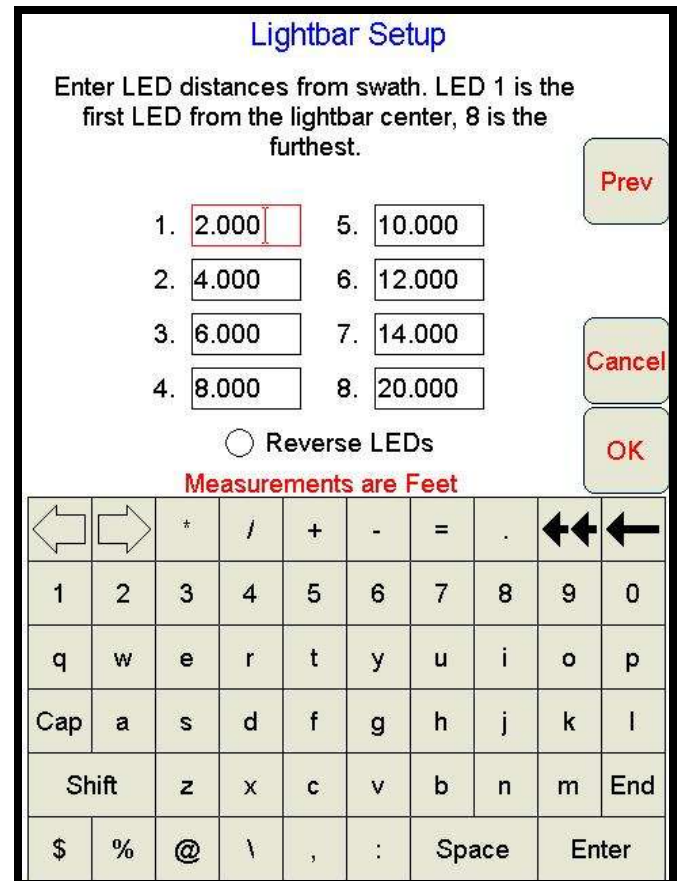
Step # 17
Select – Setup



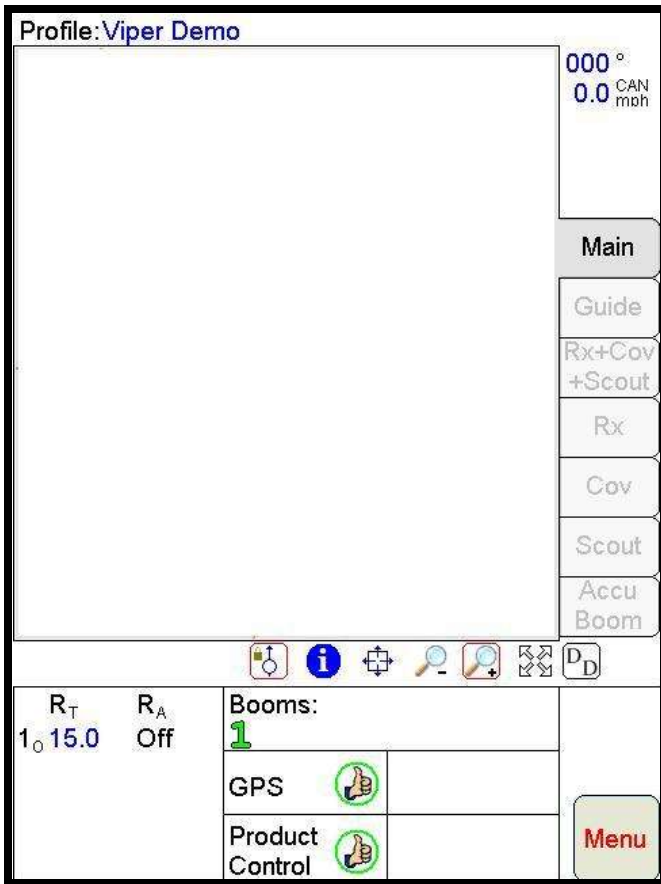
Step # 18
Select - Lightbar



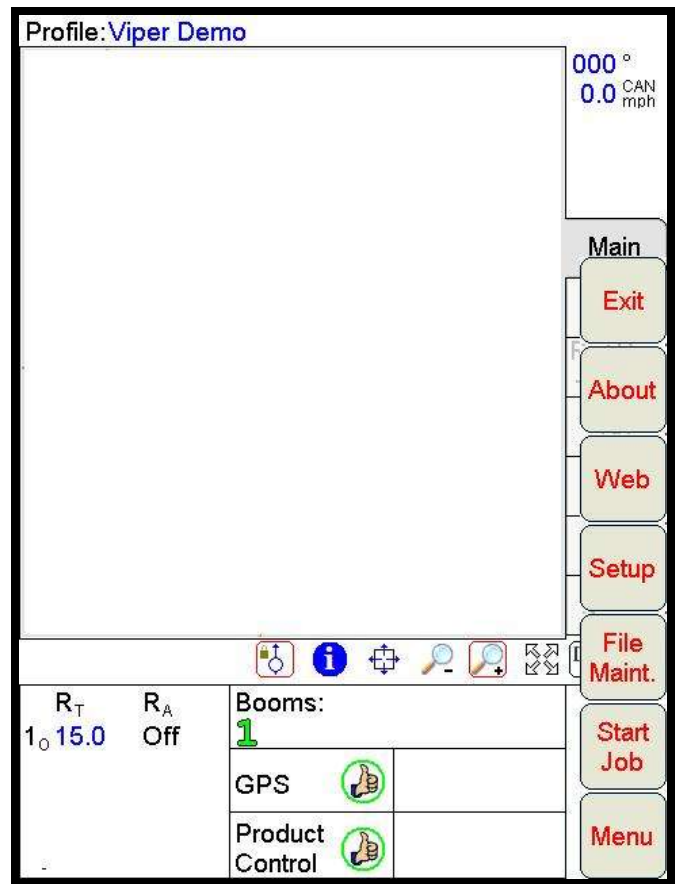
Step # 19
Select – Proper Lightbar
Select – Next



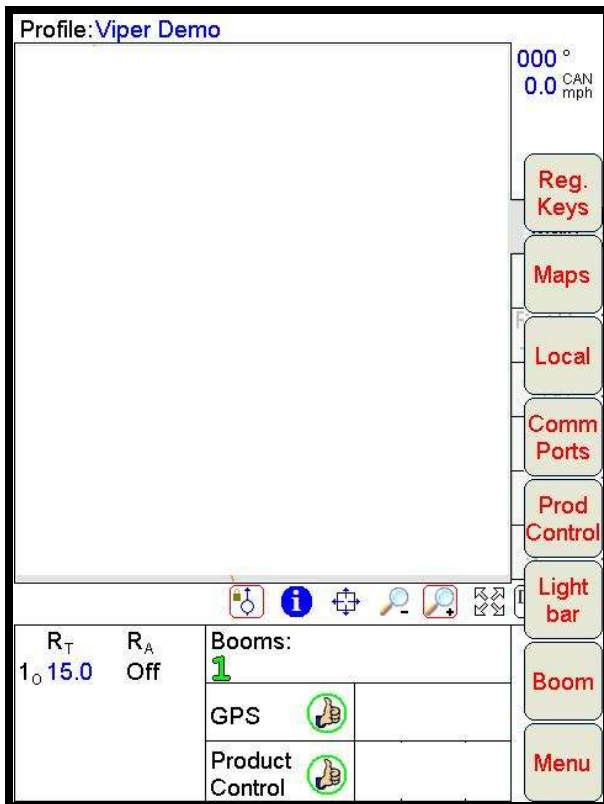
Step # 20
Select - OK



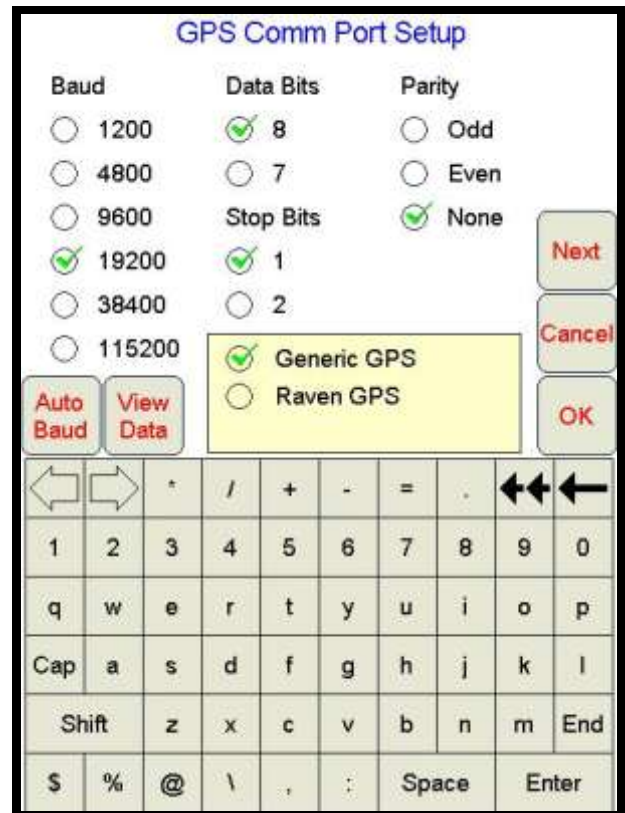
Step # 21
Select – Menu



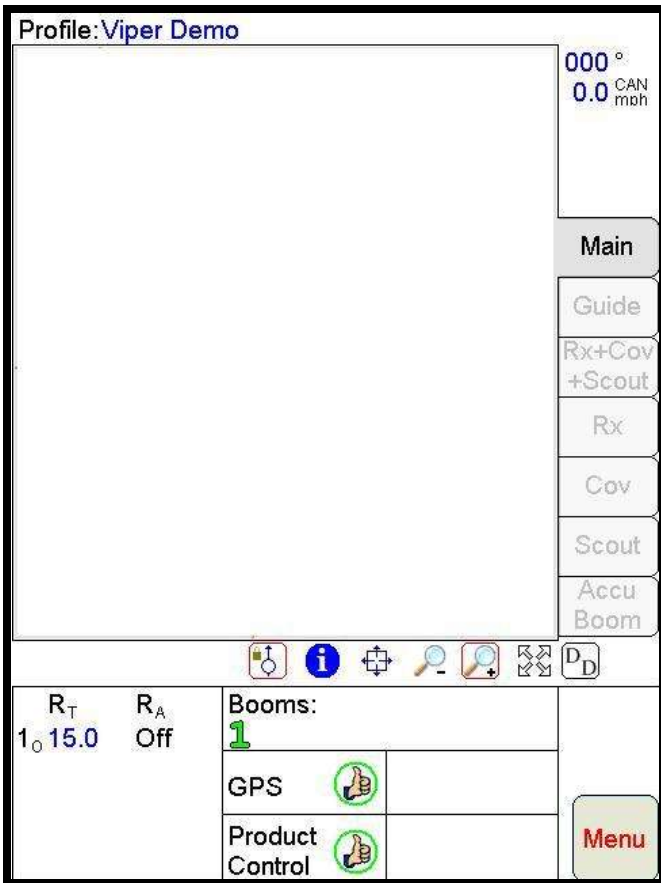
Step # 22
Select - Setup



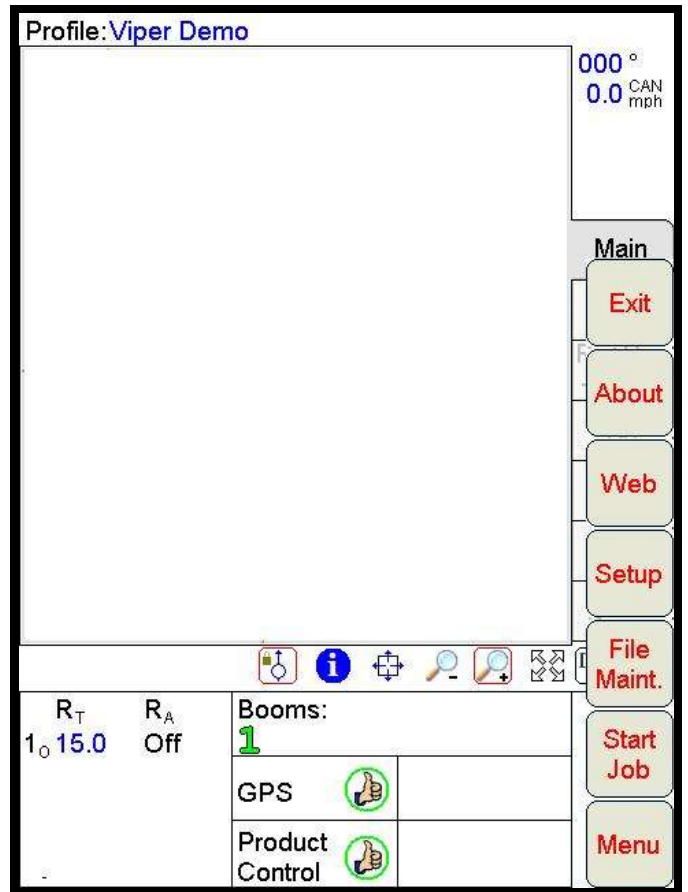
Step # 23
Select – Comm Ports



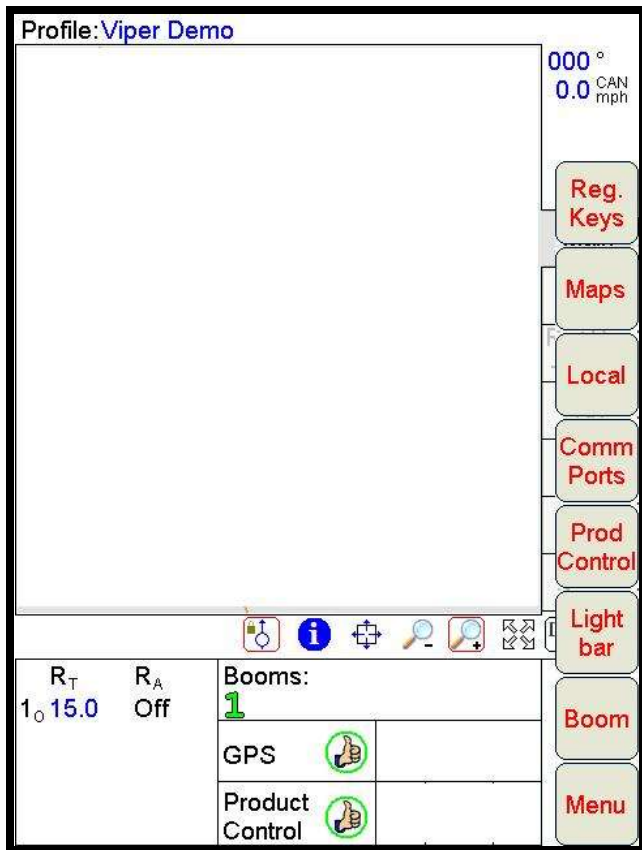
Step # 24
Select – Auto Baud
Select – OK when GPS is found
Select - OK



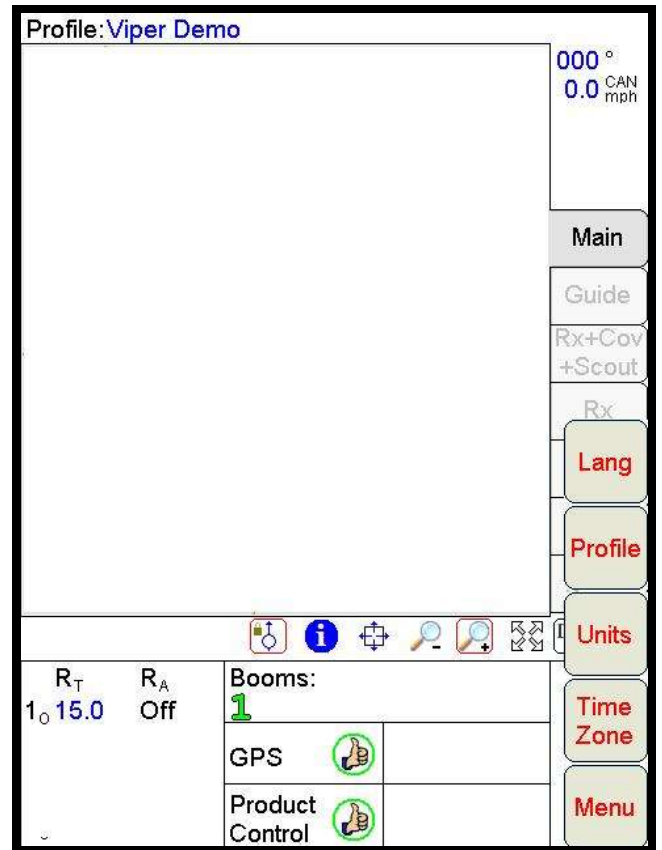
Step # 25
Select – Menu



Step # 26
Select – Setup



Step # 27
Select – Local



Step # 28
Select – Units

Display Units

English Metric

Cancel
OK

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 29
Select – English
Select – OK

Profile: Viper Demo

000 °
 0.0 CA
 mt

Main
 Guide
 Rx+Co
 +Scot
 Rx
 Cov
 Scou
 Accu
 Boon

D

R _T	R _A	Booms:
10 15.0	Off	1
		GPS
		Product Control

Menu

Step # 30
Select – Product Control

CAN Controller Status

Boom Cals	Miscellaneous
1 720	Speed Sensor Wheel
	Speed Cal 1000
	Self Test 0.00
	Pump RPM 0
	Speed 0.0
	Units US
Node <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5	
Dual Flow % 50	Flow/Shaft Alarm Off Smoothing On
Off Rate % 30	Vac/Bin Alarm Off Agitator Off
Low Tank 0.0	Decimal Shift Off Ratio Rate Off
Low Limit 0.0	Zero Shutoff Off
Tank Vol 832.0	Spreader 0 Pre Set Pw 0
Area/Hour 0.0	Valve Cal 2123 Pw Freq 122
Vol/Min 0.0	Valve Cal 20 Ratio Rate 0.00
Rate Cal 15.0	Pump Cal 0 Valve Delay 0.0
Rate +/- 2.0	Min Pw 0 PWM 0
Meter Cal 700.0	Max Pw 253
Pressure 1 100	Application Liquid
Pressure 2 100	Standard Valve

Tally Registers OK

Step # 31
Select – Application

Node 1 Settings

Valve Type Standard Fast

Fast Close PWM

PWM Close

Application Liquid Gran 1

Gran 2 Gran 3

Spinner

Cancel
OK

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 32
Select – PWM Close
Select – Gran 1
Select – OK

CAN Controller Status

Boom Cals	Miscellaneous
1 720	Speed Sensor Wheel Speed Cal 1000 Self Test 0.00 Fan RPM 0 Speed 0.0 Units US
Node <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5	
Dual Flow % 50 Off Rate % 30 Low Tank 0.0 Low Limit 0.0	Flow/Shaft Alarm Off Smoothing On Vac/Bin Alarm Off Agitator Off Decimal Shift Off Ratio Rate Off Zero Shutoff Off
Tank Vol 832.0 Area/Hour 0.0 Vol/Min 0.0 Rate Cal 15.0 Rate +/- 2.0 Density 700.0	Spreader 0 Pre Set Pw 0 Valve Cal 2123 Pw Freq 122 Valve Cal 20 Ratio Rate 0.00 Fan Cal 0 Valve Delay 0.0 Min Pw 0 PWM 0 Max Pw 253
Pressure 1 100 Pressure 2 100	Application Gran1 PWM Close Valve

Step # 33
Select – Miscellaneous

Miscellaneous Settings

Units US Metric Turf

Speed Sensor Radar Wheel

Speed Cal

Self Test

AccuBm Node Combo AccuBm Only

Audible Alarm Off On

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 34
Select – US
Select – Radar
Enter Speed Cal
Select - OK

CAN Controller Status

Boom Cals	Miscellaneous
1 720	Speed Sensor Radar Speed Cal 0 Self Test 0.00 Fan RPM 0 Speed 0.0 Units US
Node <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5	
Dual Flow % 50 Off Rate % 30 Low Tank 0.0 Low Limit 0.0	Flow/Shaft Alarm Off Smoothing On Vac/Bin Alarm Off Agitator Off Decimal Shift Off Ratio Rate Off Zero Shutoff Off
Tank Vol 832.0 Area/Hour 0.0 Vol/Min 0.0 Rate Cal 15.0 Rate +/- 2.0 Density 700.0	Spreader 0 Pre Set Pw 0 Valve Cal 2123 Pw Freq 122 Valve Cal 20 Ratio Rate 0.00 Fan Cal 0 Valve Delay 0.0 Min Pw 0 PWM 0 Max Pw 253
Pressure 1 100 Pressure 2 100	Application Gran1 PWM Close Valve

Step # 35
Select – OK

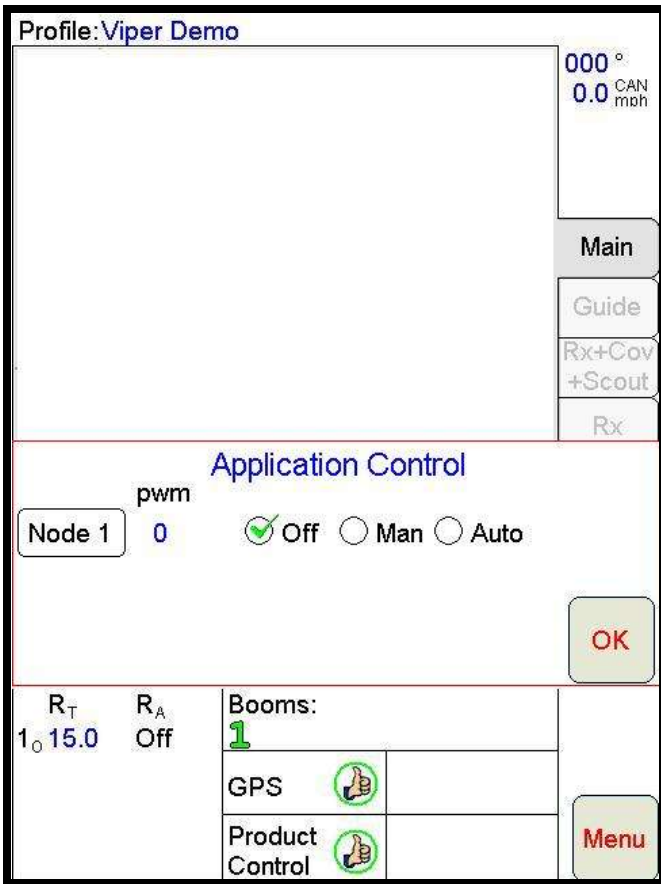
Profile: Viper Demo

000 °
0.0 CAN/mph

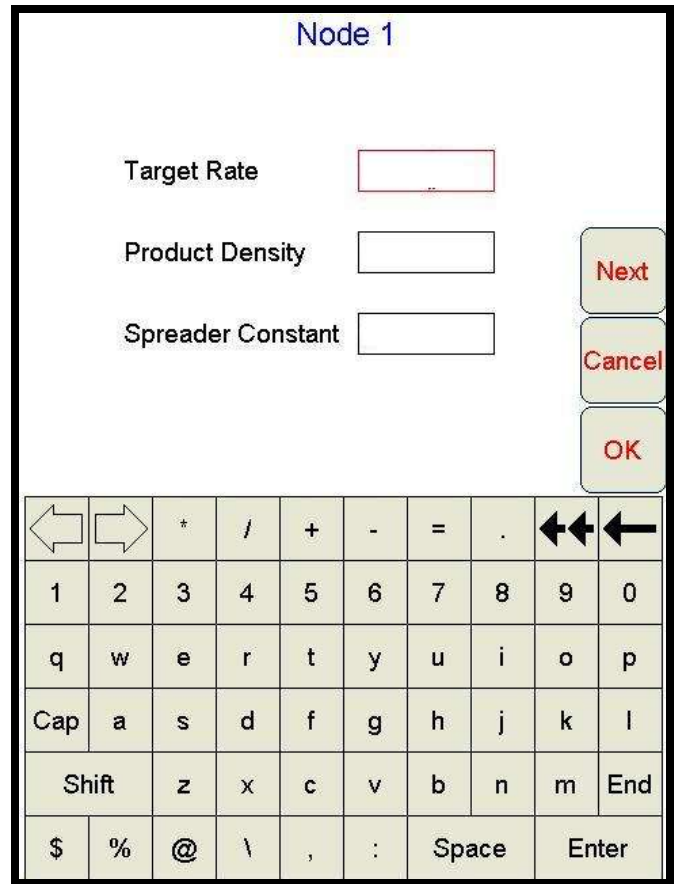
Main
Guide
Rx+Cov
+Scout
Rx
Cov
Scout
Accu
Boom

Application Rates		Booms:	
R _T	R _A	1	
10 15.0	Off	GPS <input checked="" type="checkbox"/>	
		Product Control <input checked="" type="checkbox"/>	

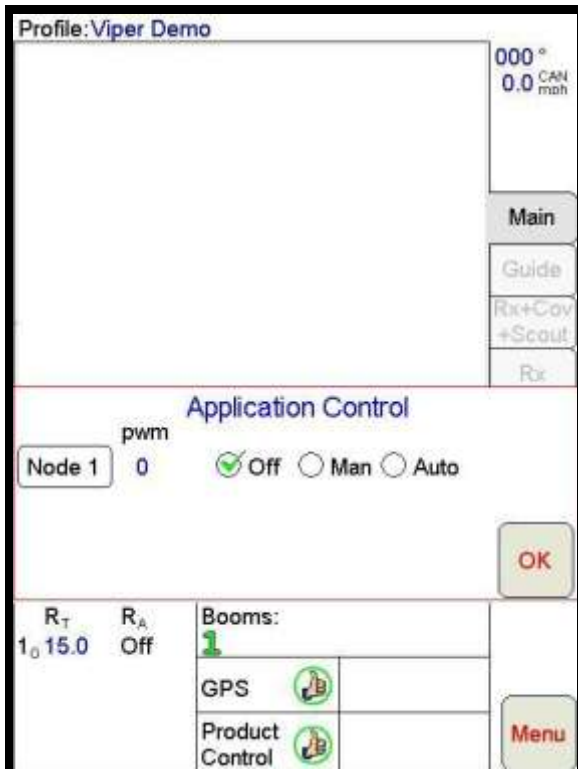
Step # 36
Select – Application Rates



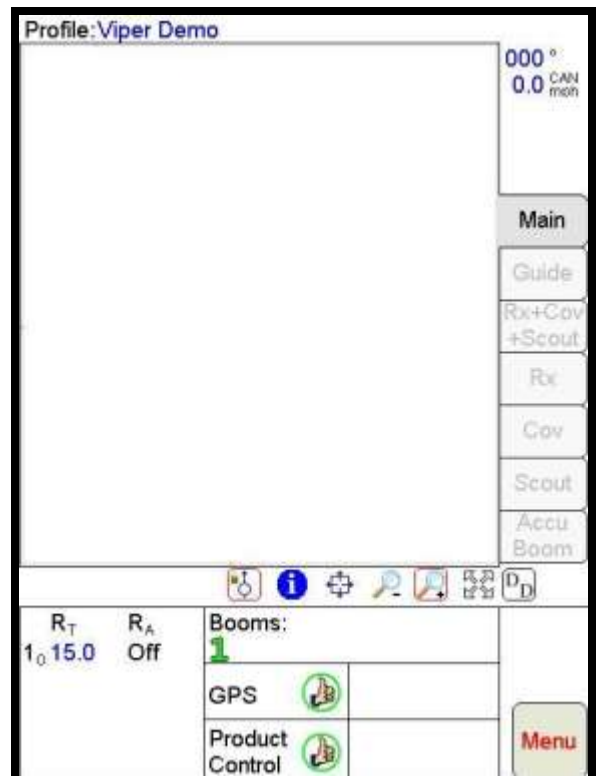
Step # 37
Select – Auto
Select – Node 1



Step # 38
Enter Target Rate
Enter Product Density
Enter Spreader Constant
Select - OK

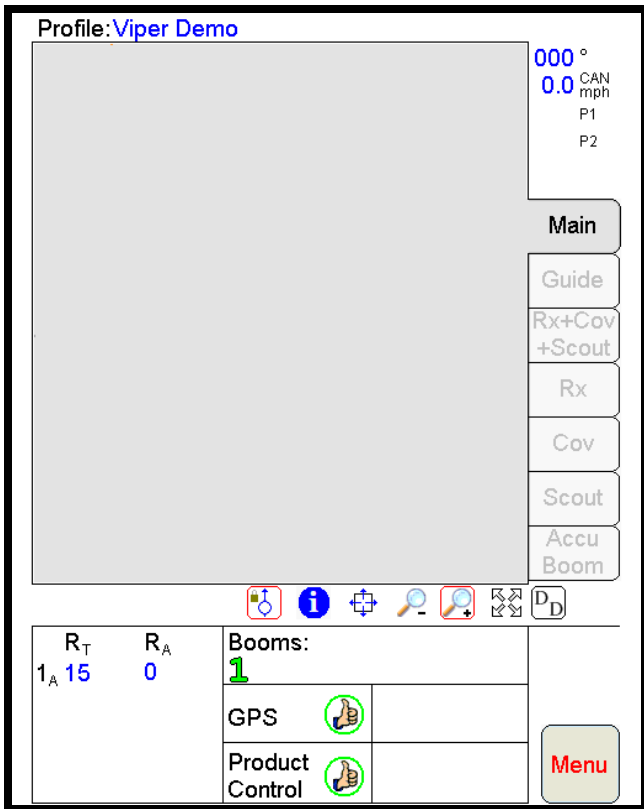


Step # 39
Select – OK

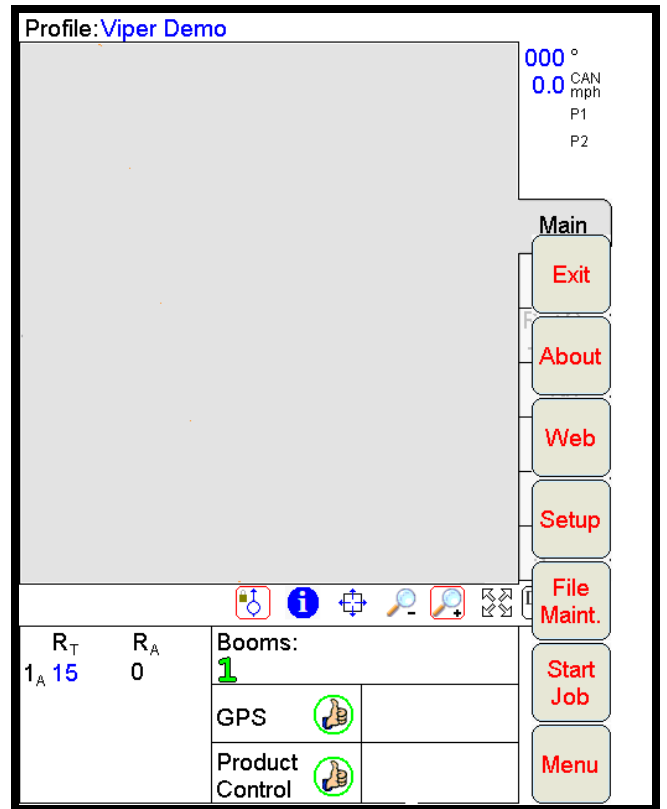


Step # 40
READY TO START NEW JOB!!

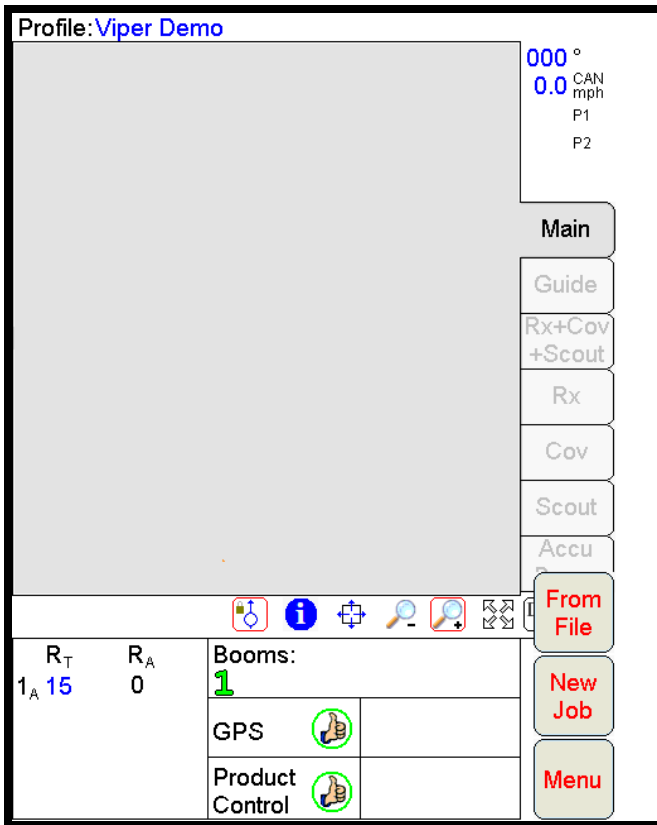
STARTING A NEW JOB!!!



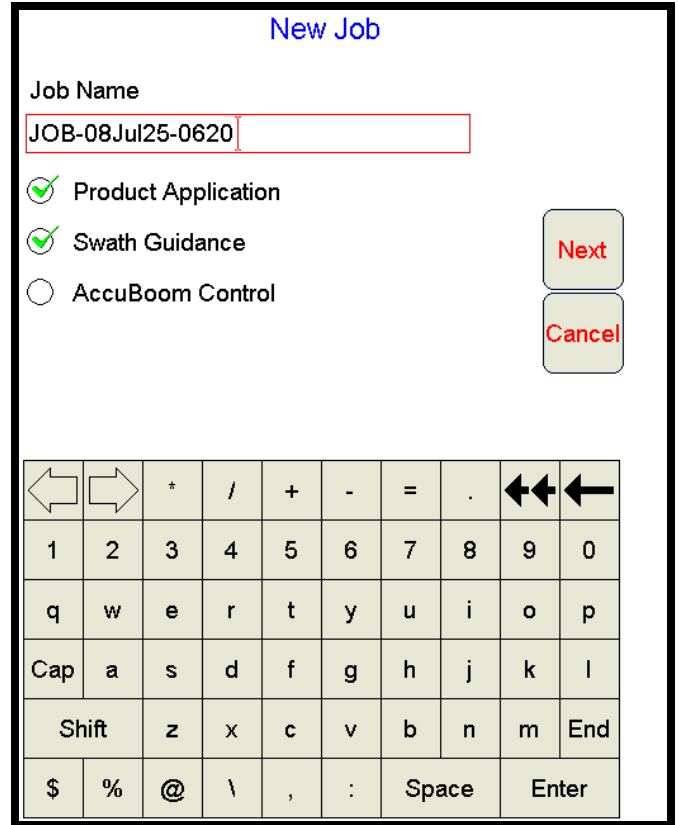
Step # 1
Select – Menu



Step # 2
Select – Start Job



Step # 3
Select – New Job



Step # 4
Enter Job Name
Select – Product Application
Select – Swath Guidance
Select – Next

Select Swath Pattern

Straight AB
Contour Fixed
Pivot
Last Pass

Prev
Next
Cancel

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 5
Select Swath Pattern
Select - Next

Product Selection

How many products will you be applying?
 (A value from 1 to 5 is required)

Enable Product Chaining

Prev
Next
Cancel

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 6
Enter # of Products
Select - Next

Product #1 Setup

Product Name
 All

VRC Using Default Colors

Prescription File and Rate Field

Prev

Cancel

OK

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 7
Select Drop Down Arrow

Product #1 Setup

Product Name
 All

potash

Prev

Cancel

OK

←	→	*	/	+	-	=	.	←←	←
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 8
Select - Product Type
Select - OK

Product #1 Setup

Product Name
 All

VRC Using Default Colors

Prescription File and Rate Field

←	→	*	/	+	-	=	.	←←	→→
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
Cap	a	s	d	f	g	h	j	k	l
Shift	z	x	c	v	b	n	m	End	
\$	%	@	\	,	:	Space	Enter		

Step # 9
Select – OK

prod1

0 Swath
000 °
0.0 CAN mph

0.0

Applied: 0.8a

D_D

Application Rates	Booms:	
R _T R _A	1	
1 ₀ 15.0 Off	GPS <input checked="" type="checkbox"/>	
	Product Control <input checked="" type="checkbox"/>	

Step # 10
READY TO START!!