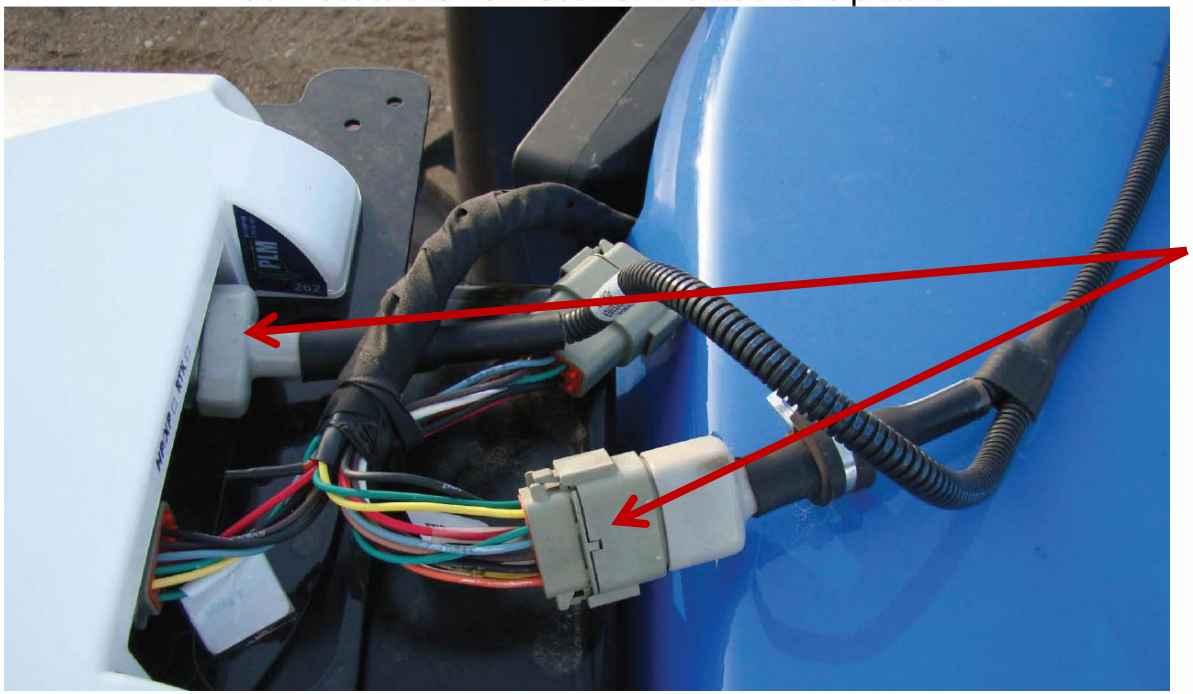
How to set up NMEA output from a Trimble 262 receiver with a Pro 600/ Intelliview Plus II.

Parts that are required

- **55224 Trimble Harness**
- **A serial Null modem or a Mini Gender Changer**

Connect to the 262 receiver like as in this picture

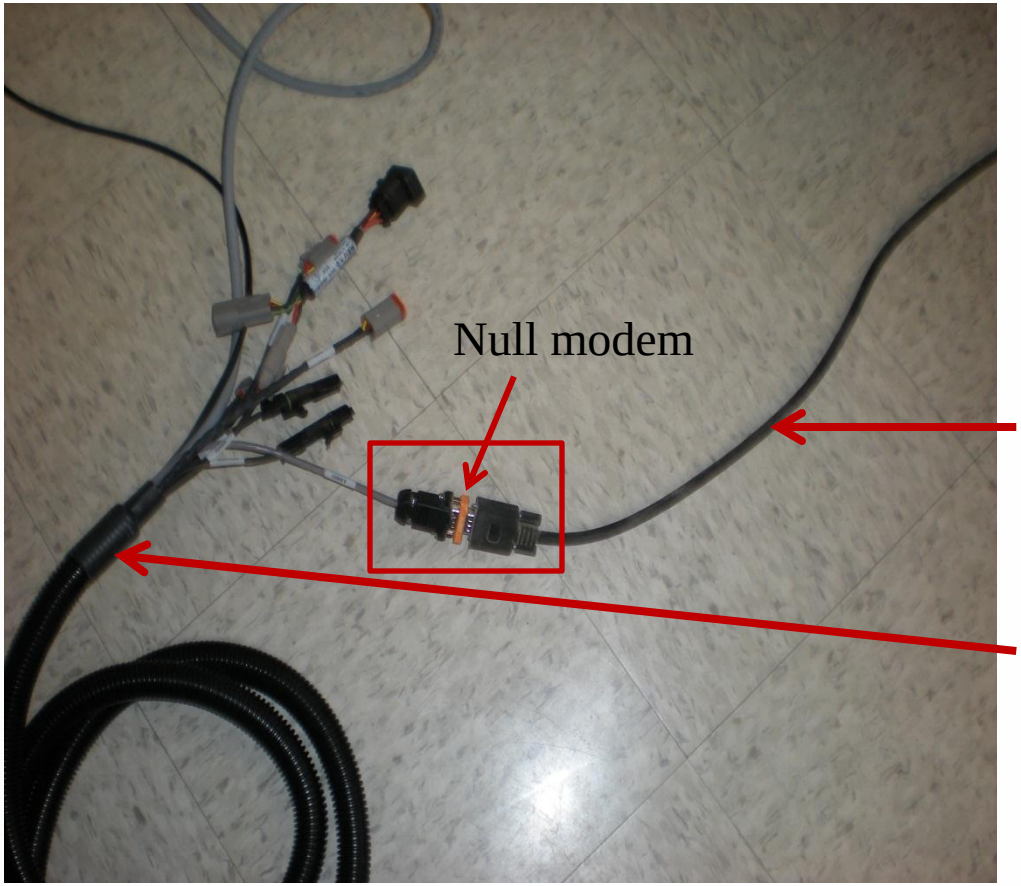


262 Trimble

Antenna

55224 Trimble part #

The other end of the cable plugs into the Y cable supplied with the X-30 monitor that is connected to Coms 1 and 2 on the X-30 monitor.

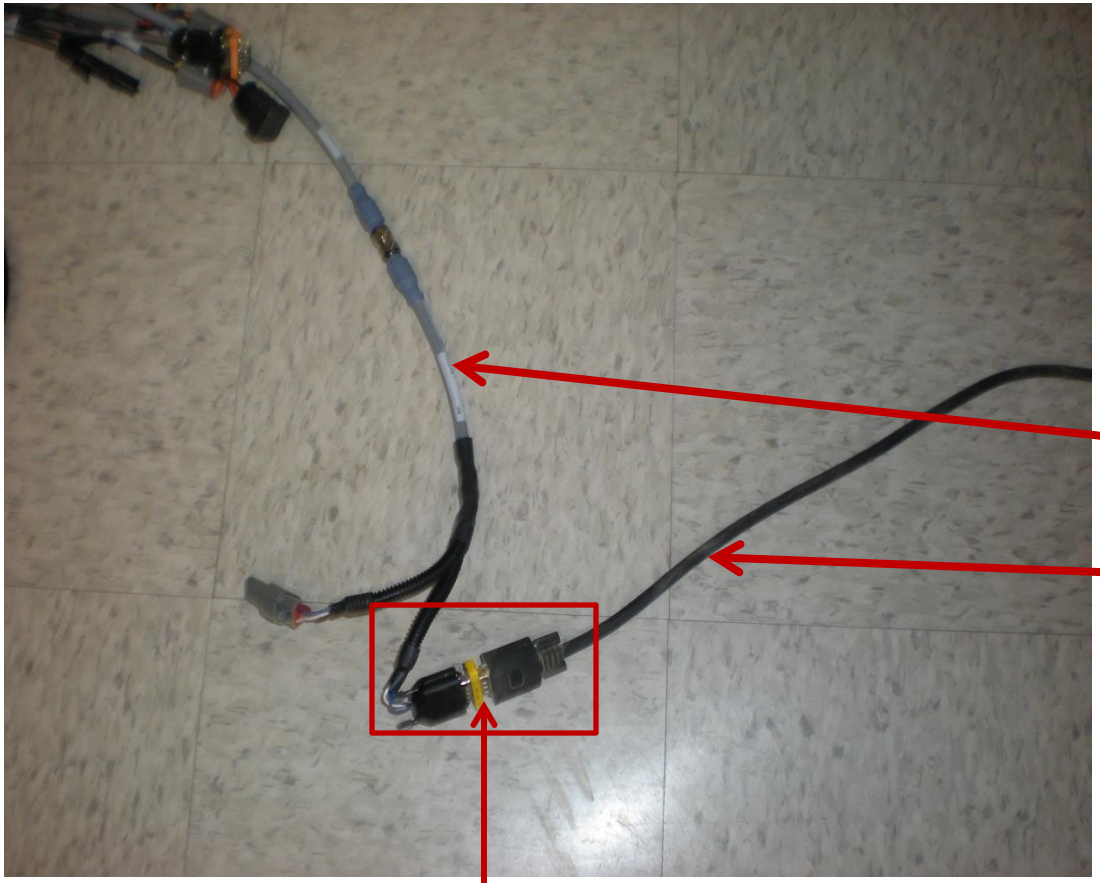


COM 2

When hooking the Trimble cable 50166 to the X30 though Coms 2 you will need Null Modem.

Trimble Harness 55224

X30 main Harness COM 2



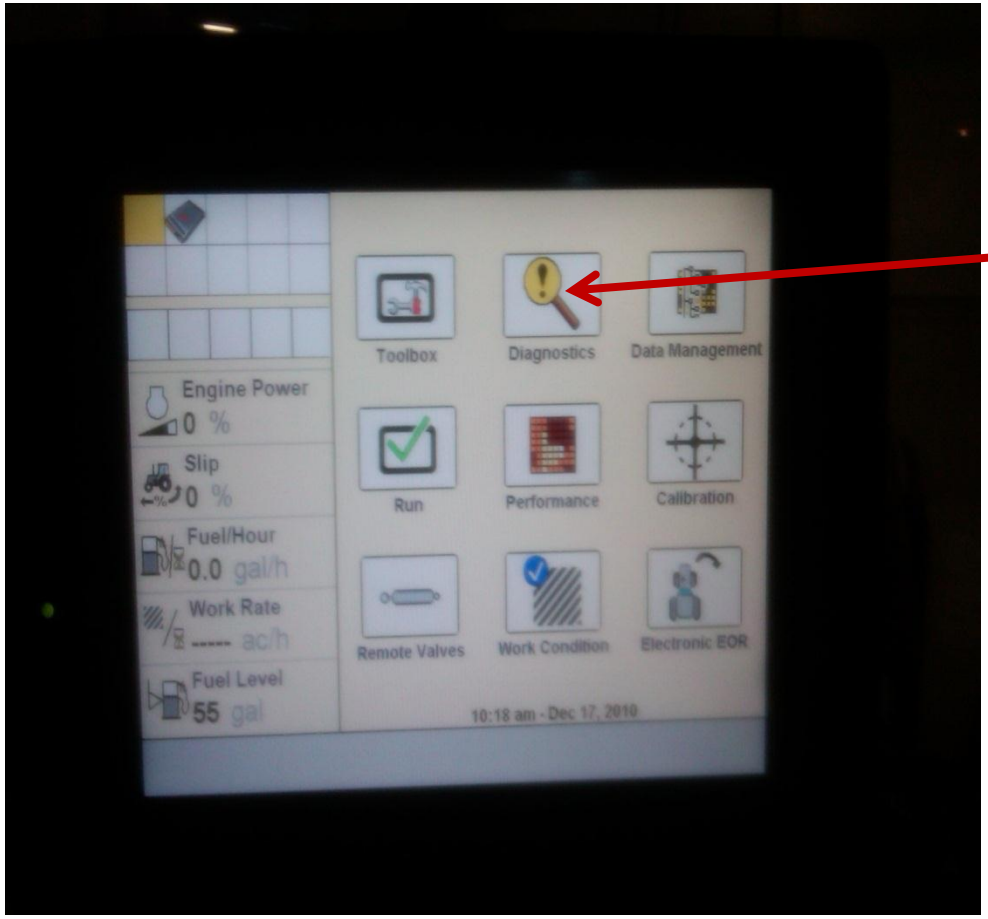
Serial Gender changer

COM 1

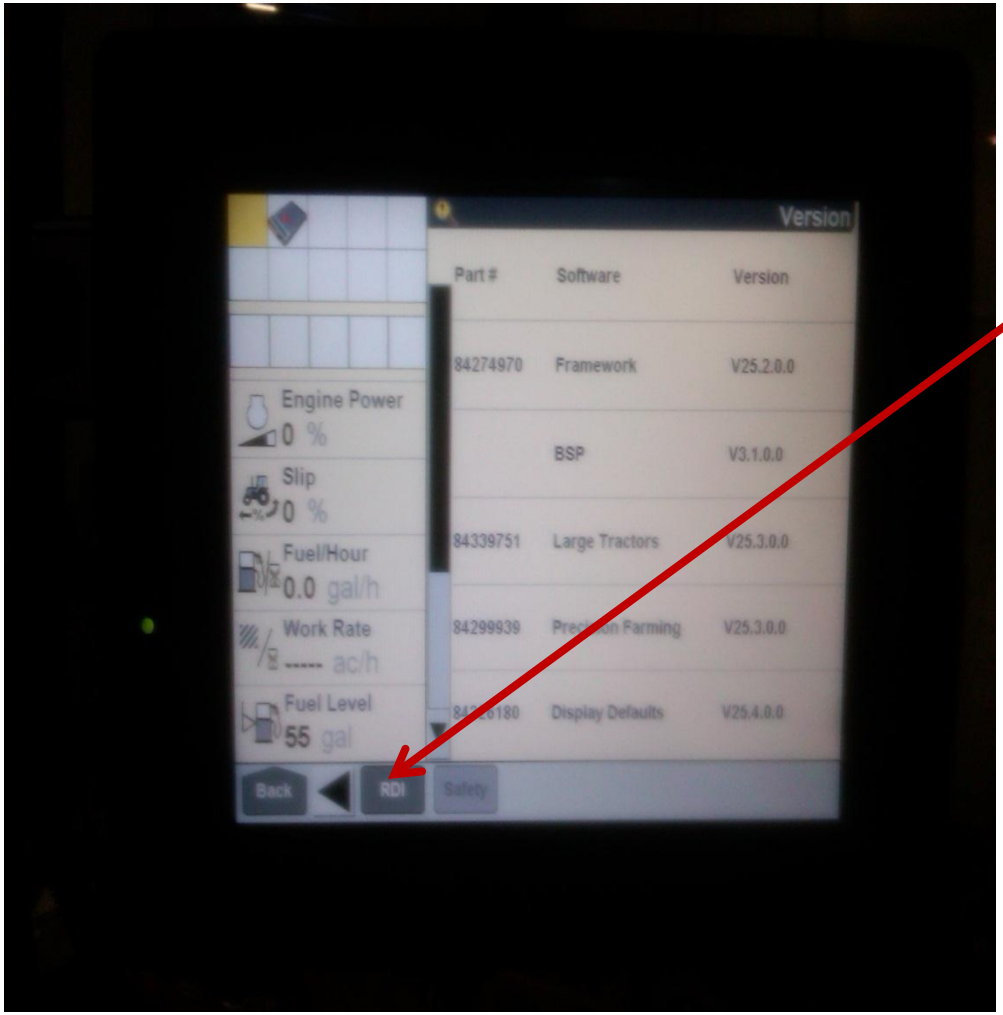
When hooking the Trimble cable 50166 to the X30 though Coms 1 you will need a serial Gender Changer.

X30 Main Harness Coms 1

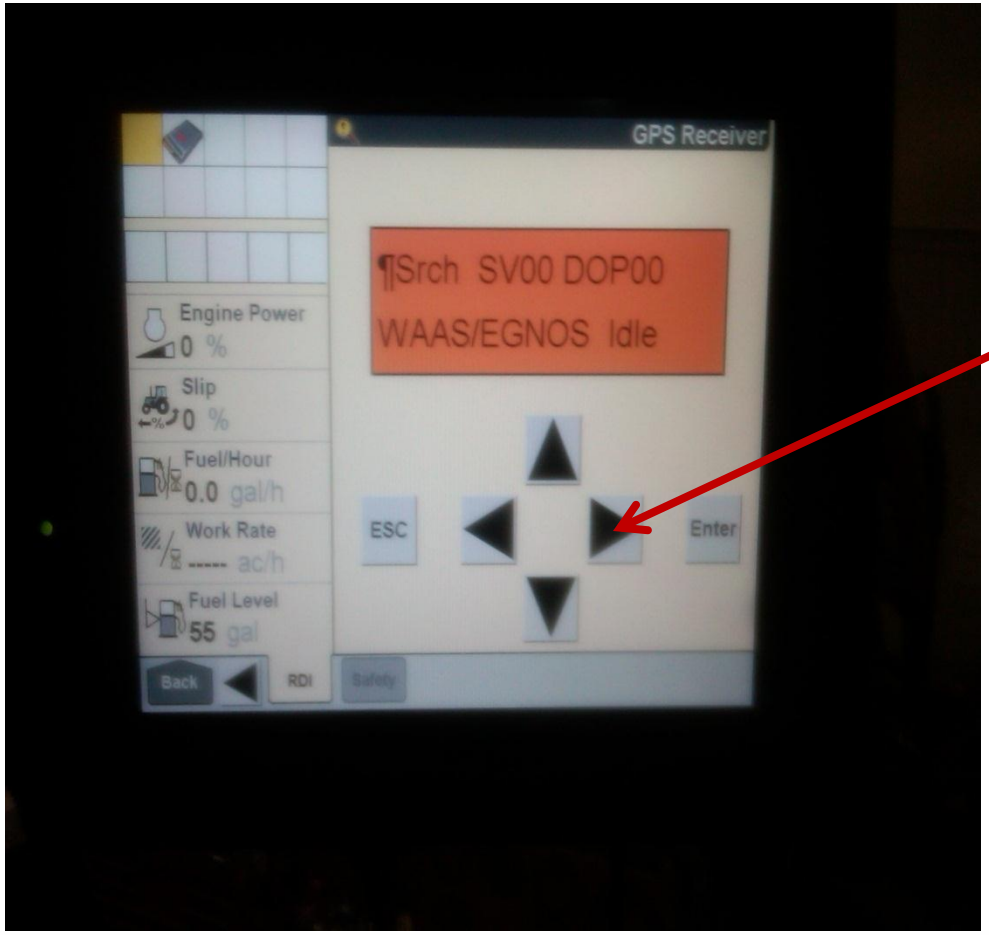
Trimble Harness 55224



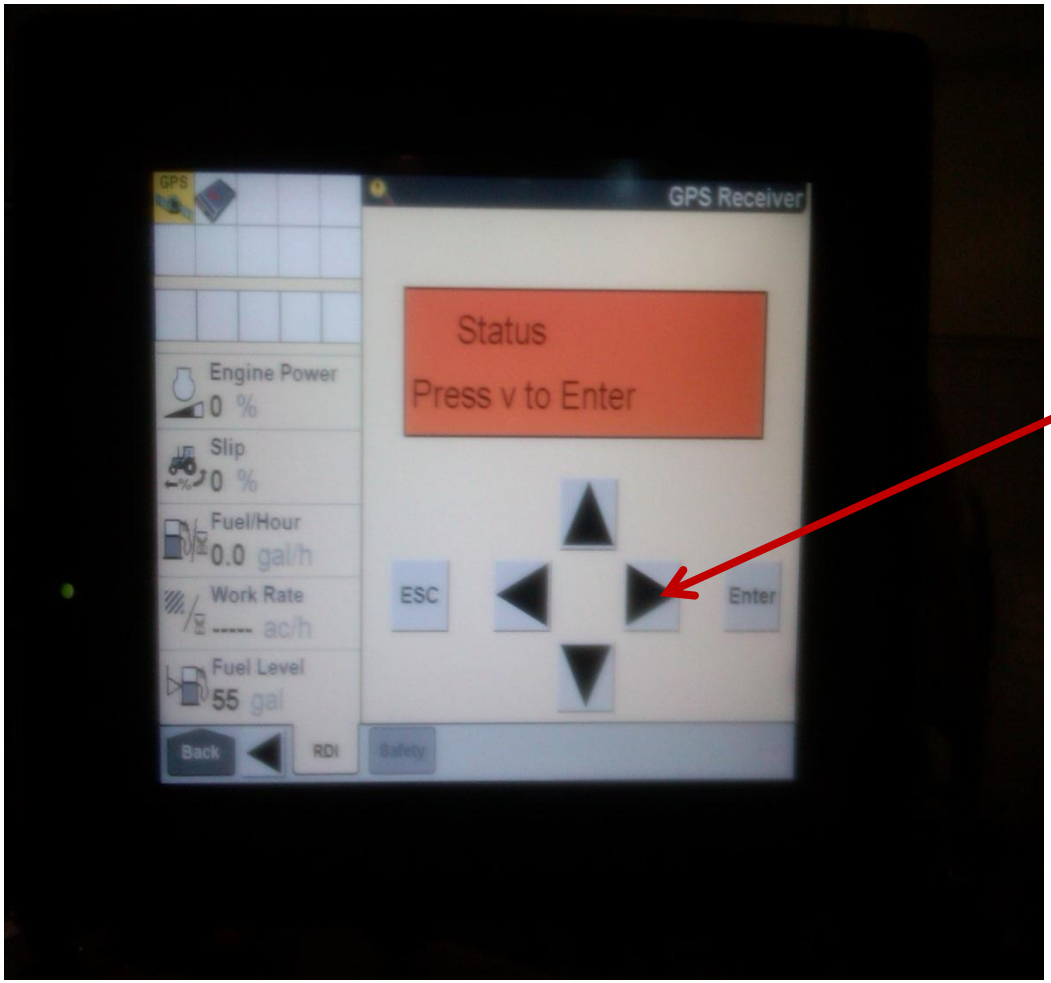
From the main screen press the diagnostics button



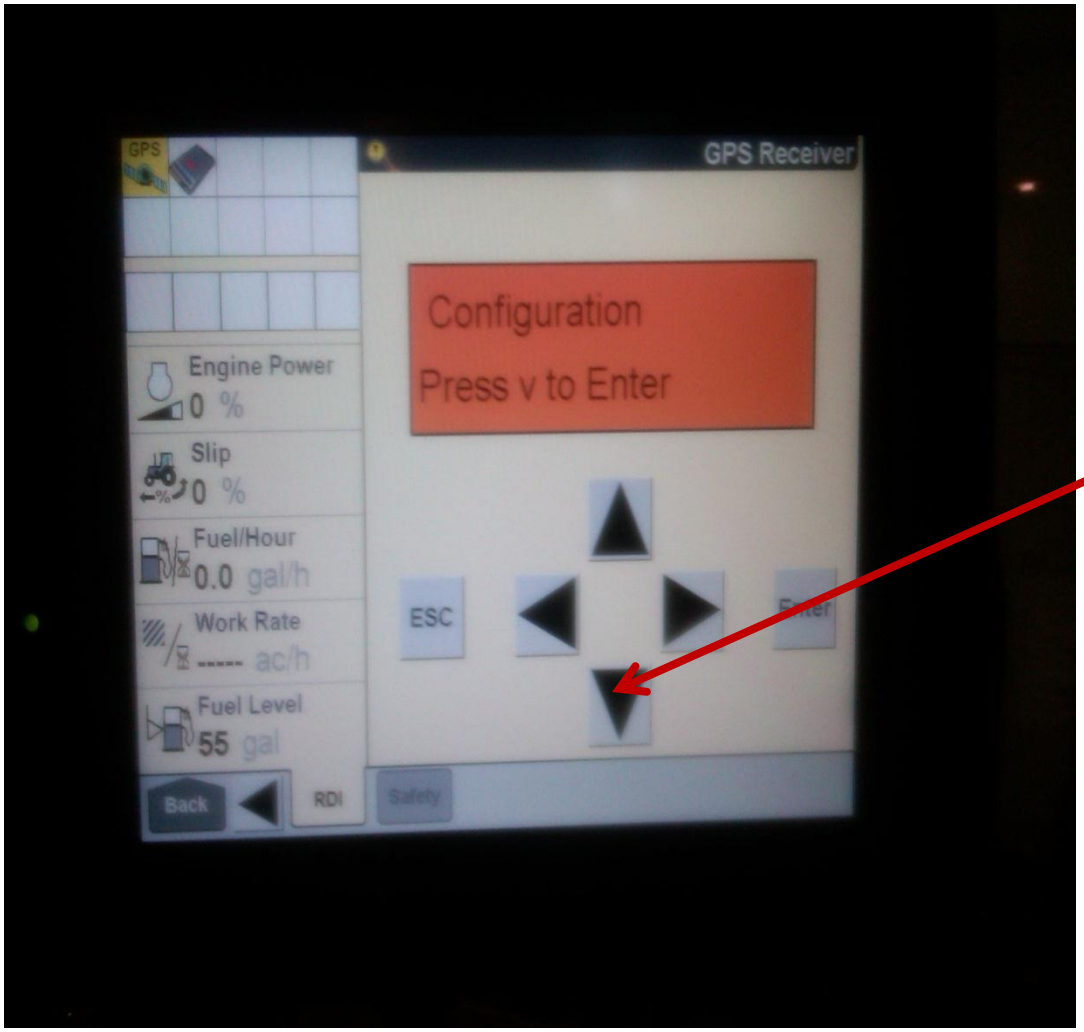
Scroll to right and press the RDI tab



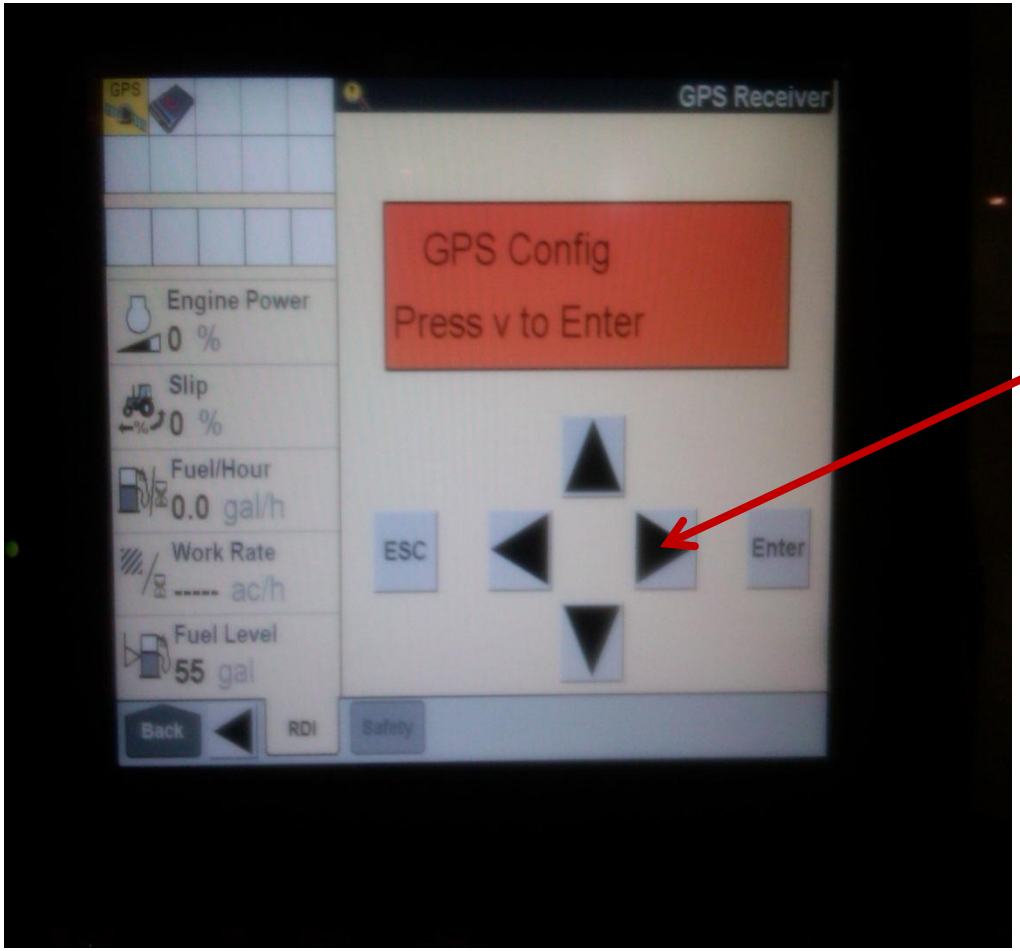
Press the right arrow



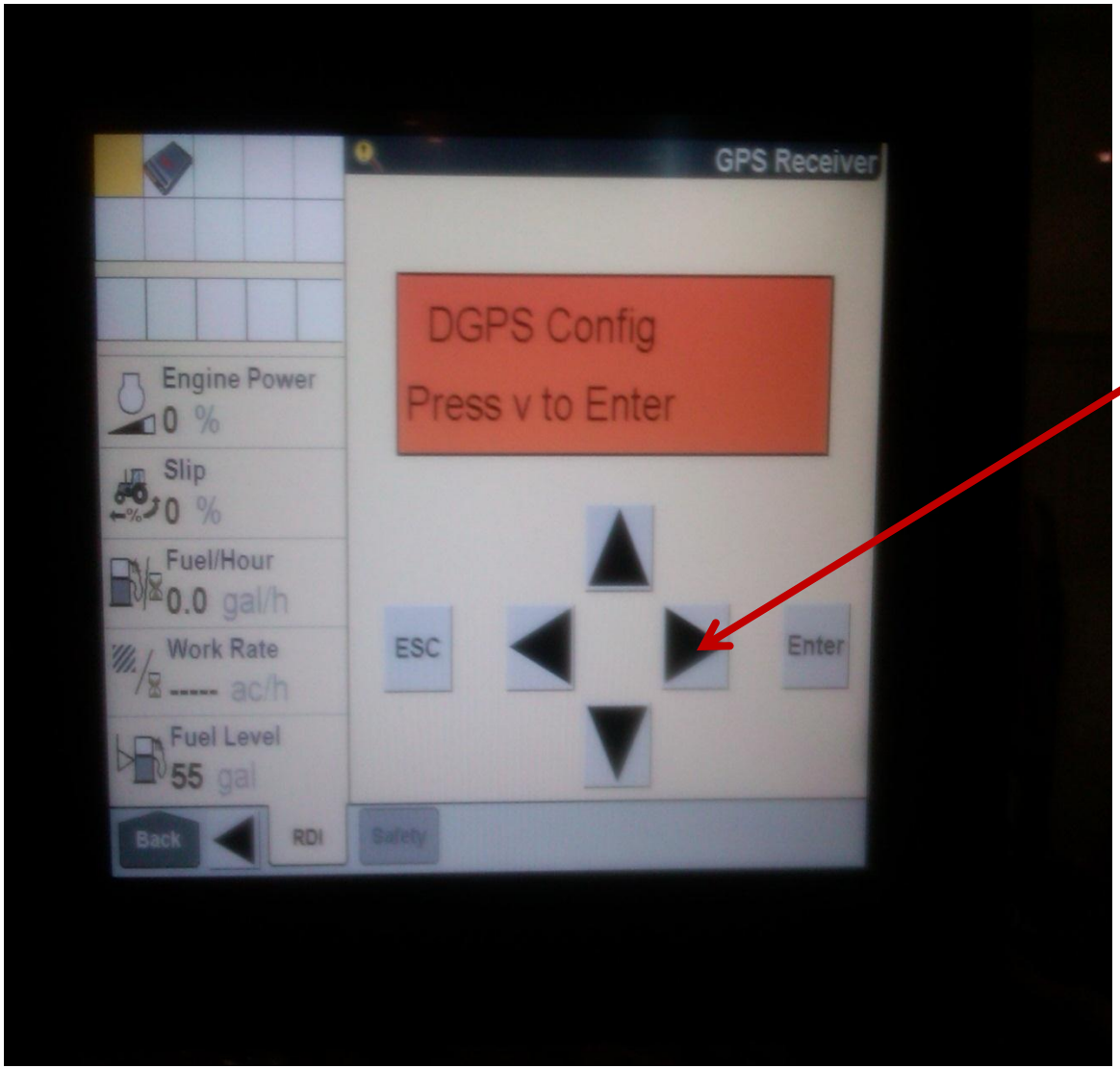
Press right arrow again



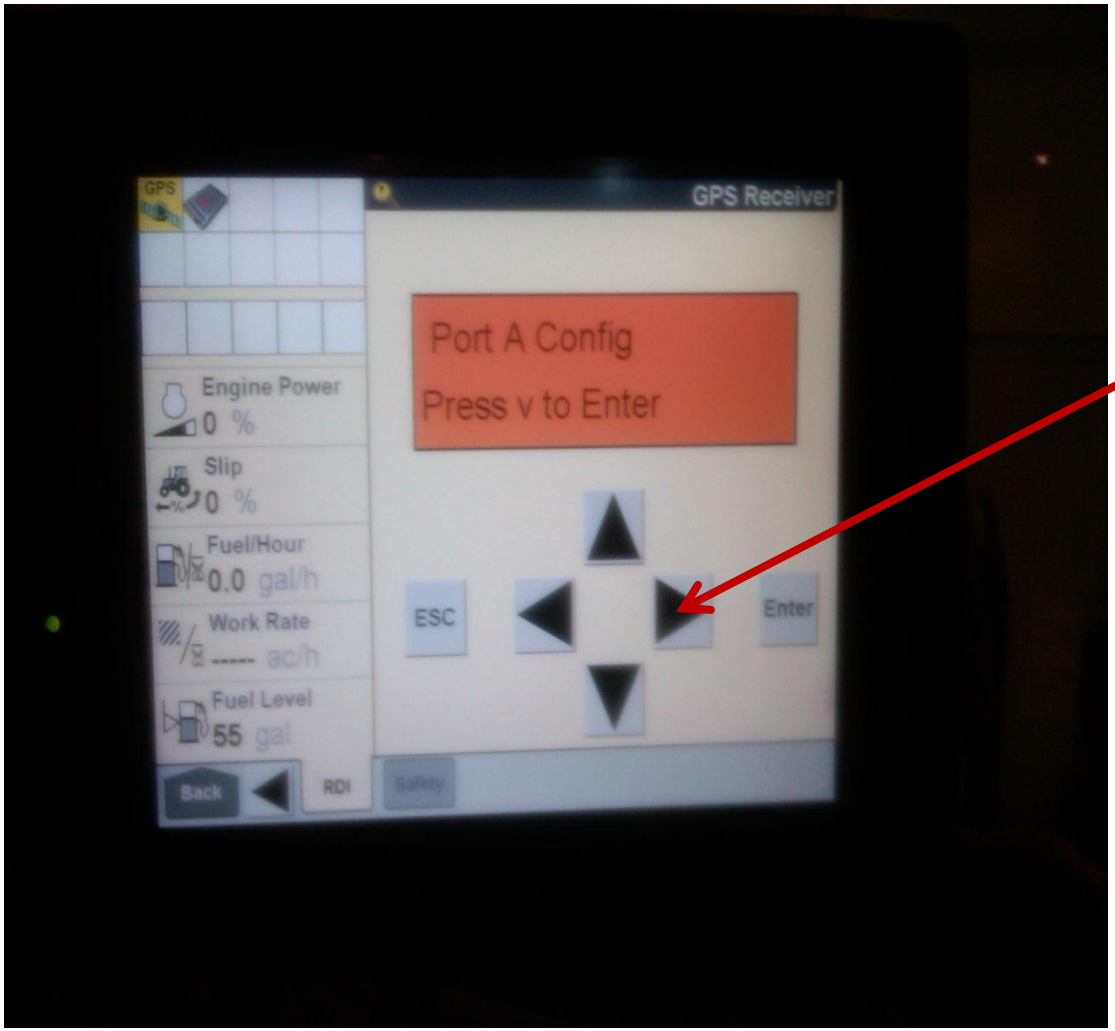
Press down to enter the configuration menu



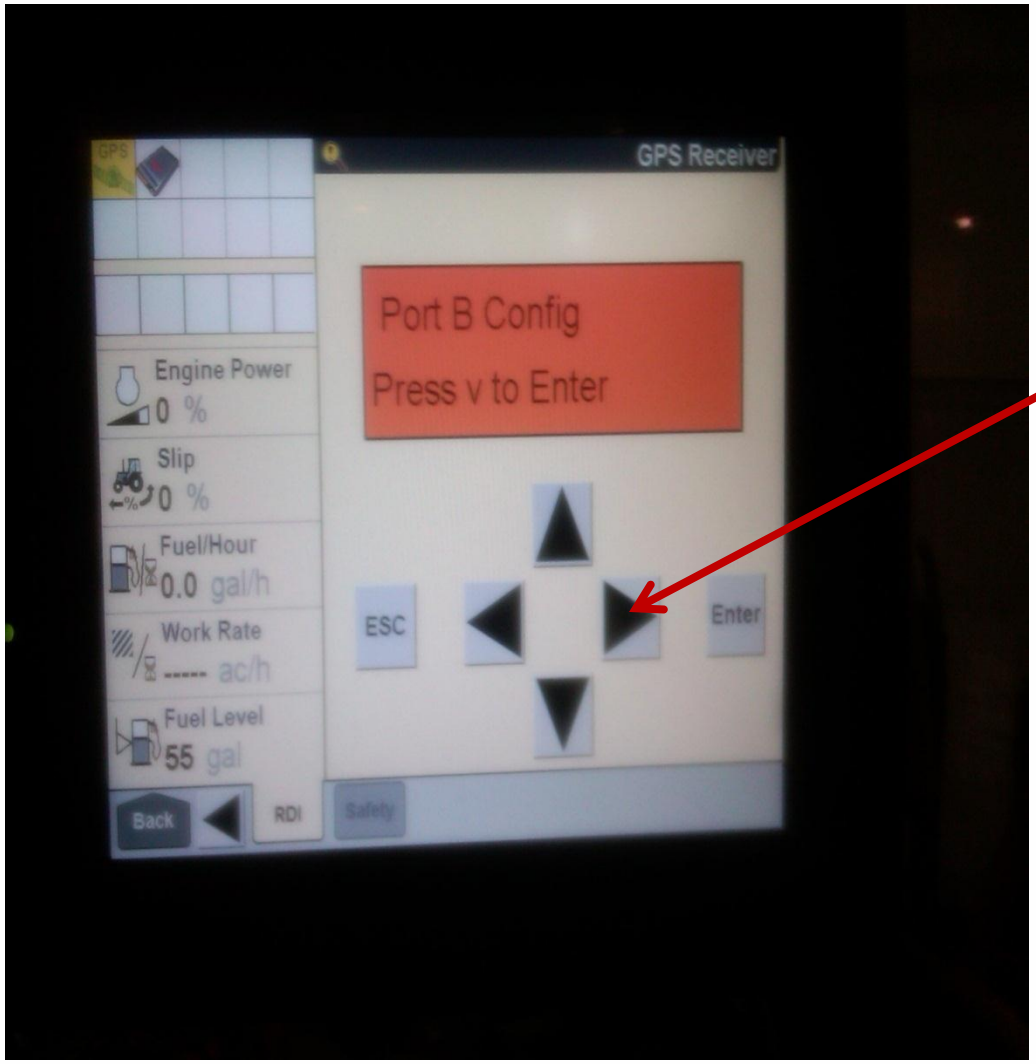
Press right arrow



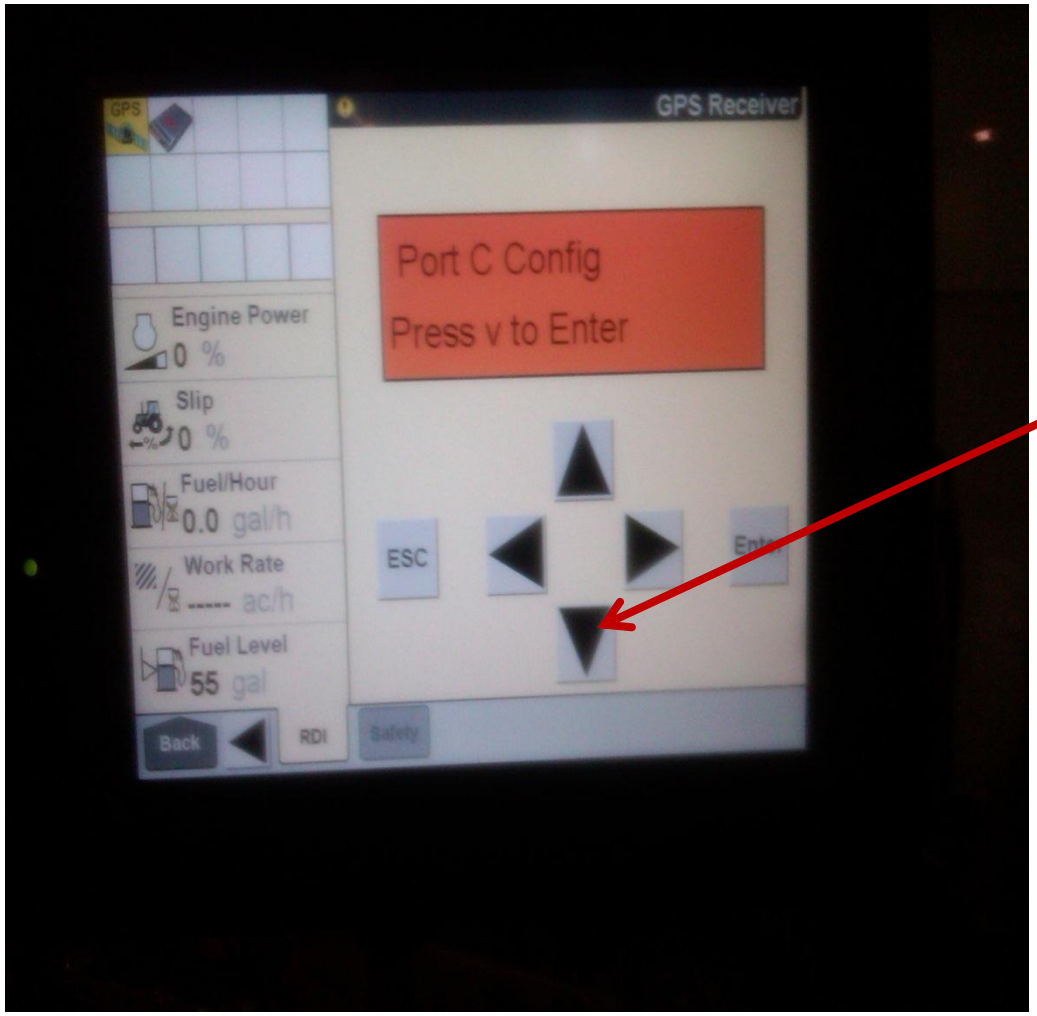
Press right arrow



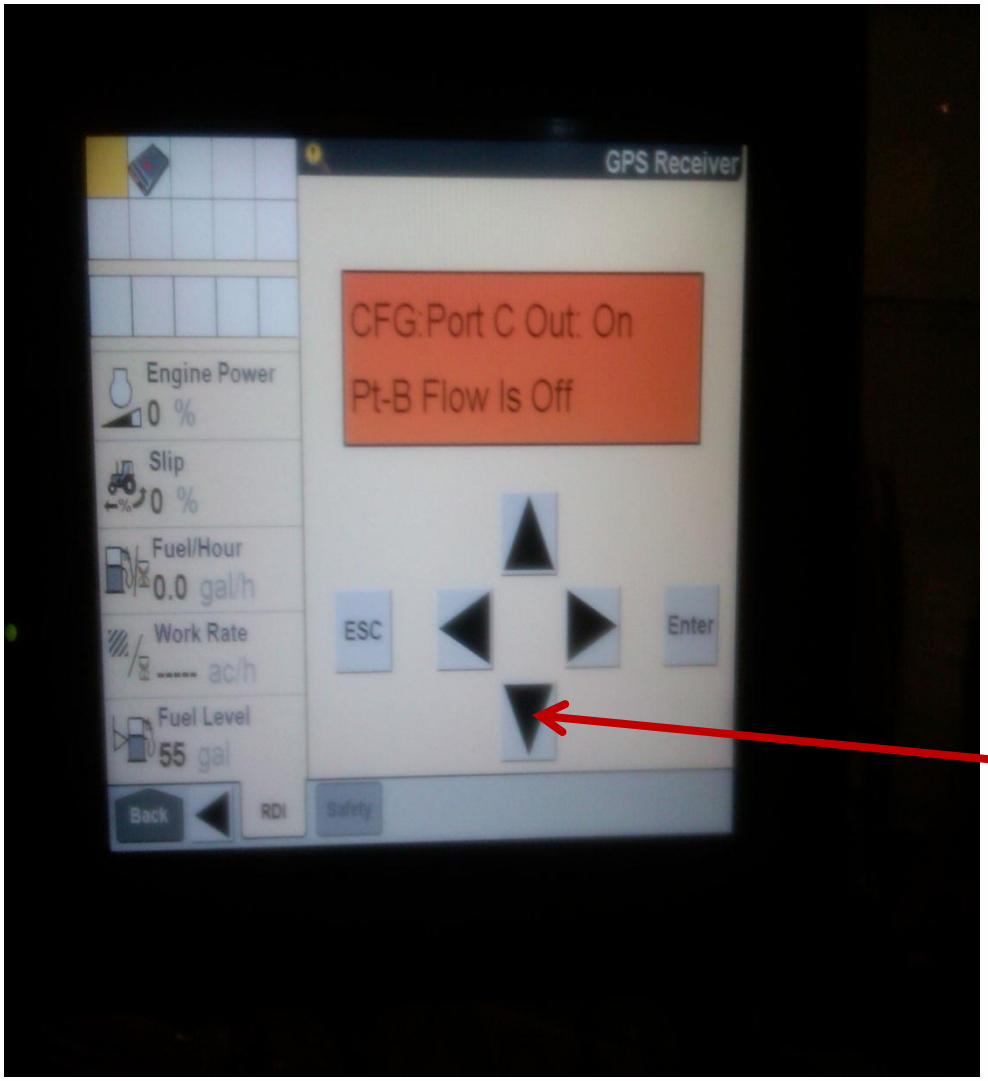
Press right arrow



Press right arrow

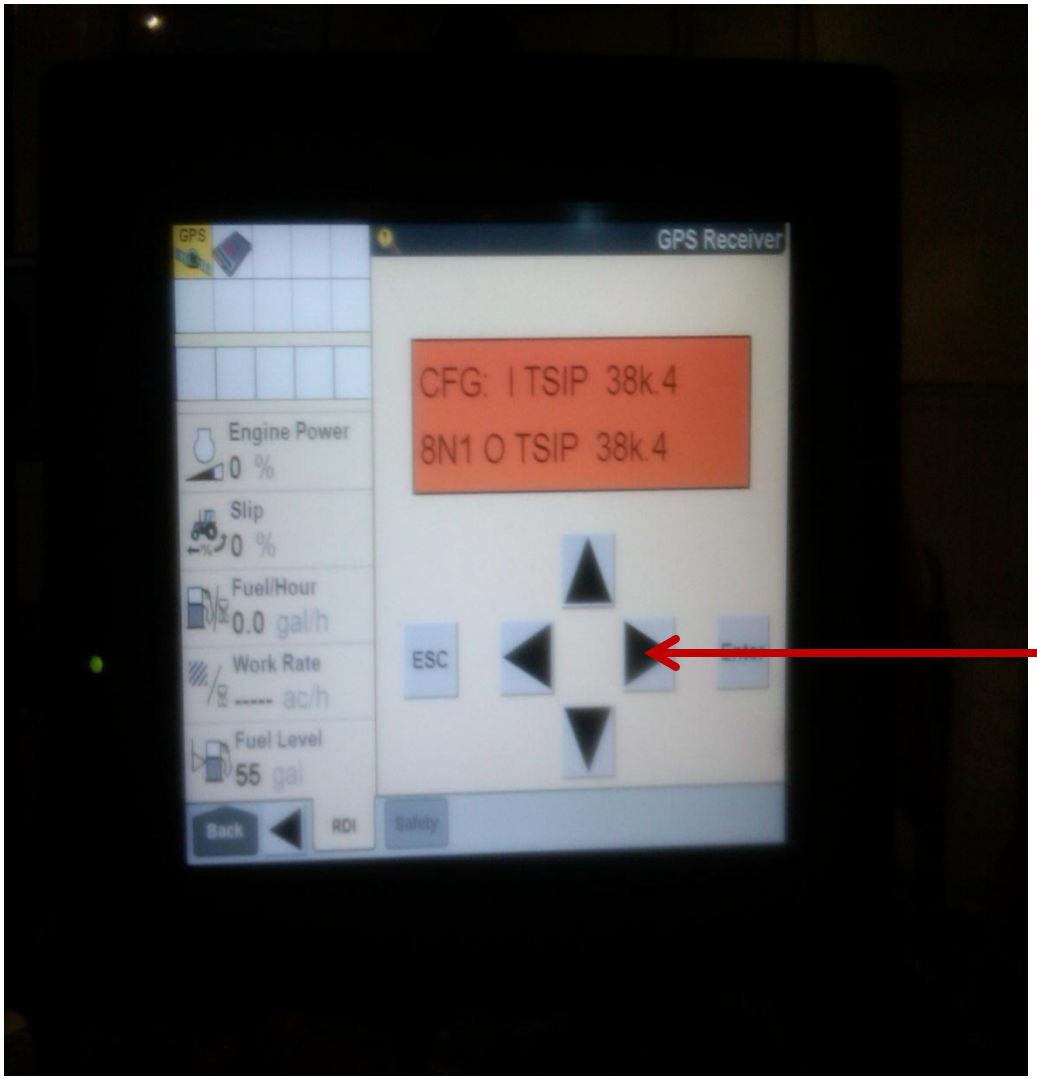


Press down to enter port C configuration



This page should be telling us that Port C out is On and that Port B flow is Off and this will be the proper configuration. If it is different press right, then up and then enter.

Next press the down arrow.

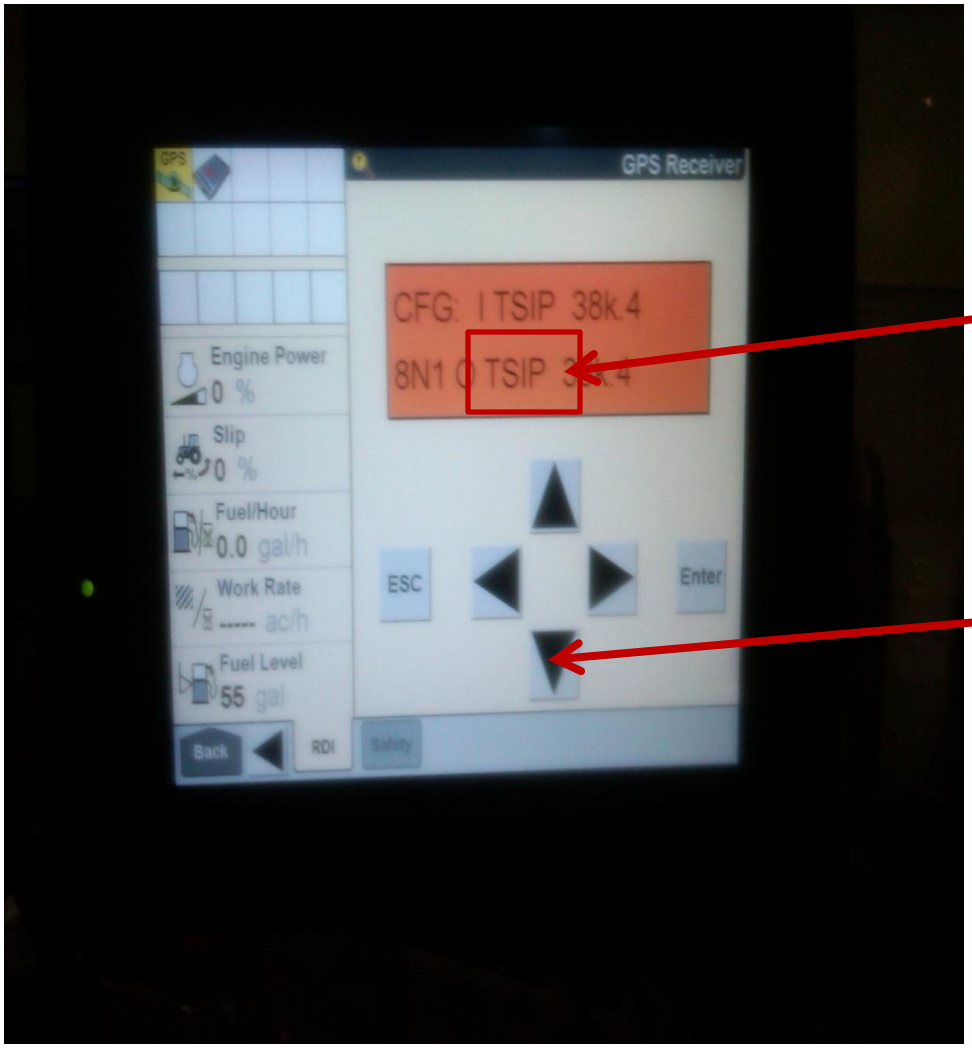


On this page we want to see

I TSIP 38k.4

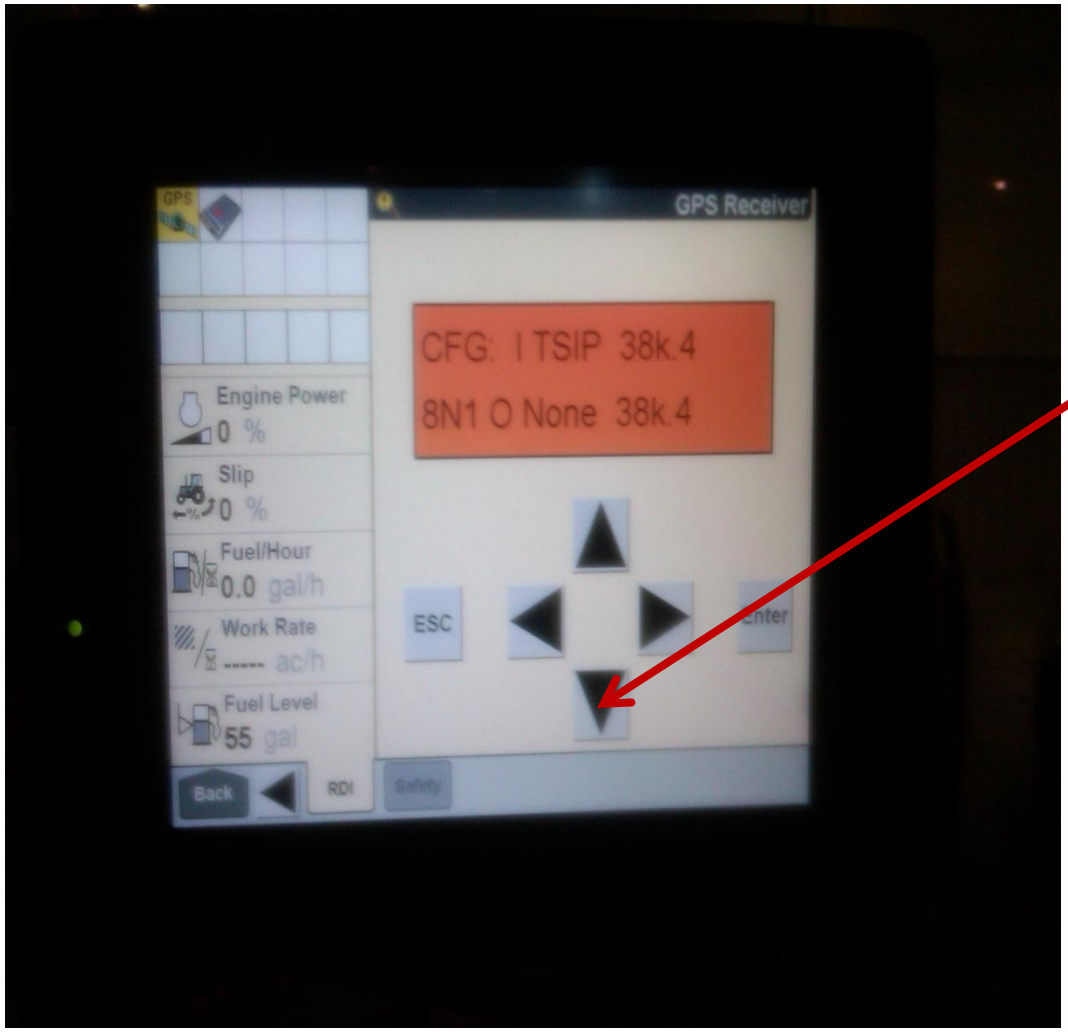
8N1 O NMEA 38k.4

If we don't have this we need to re-configure. Press the right arrow.

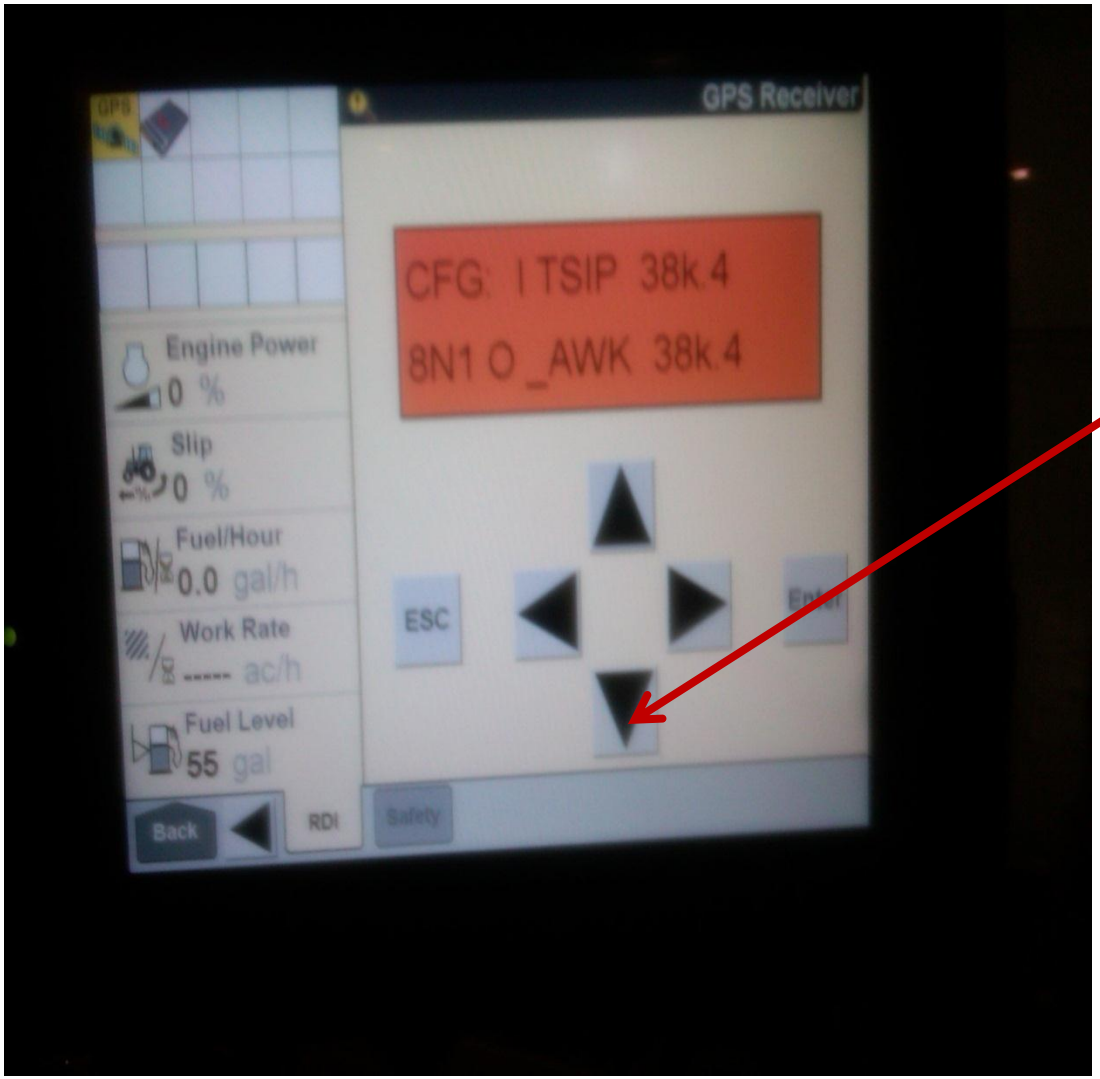


Press right arrow until TSIP on the lower line is flashing

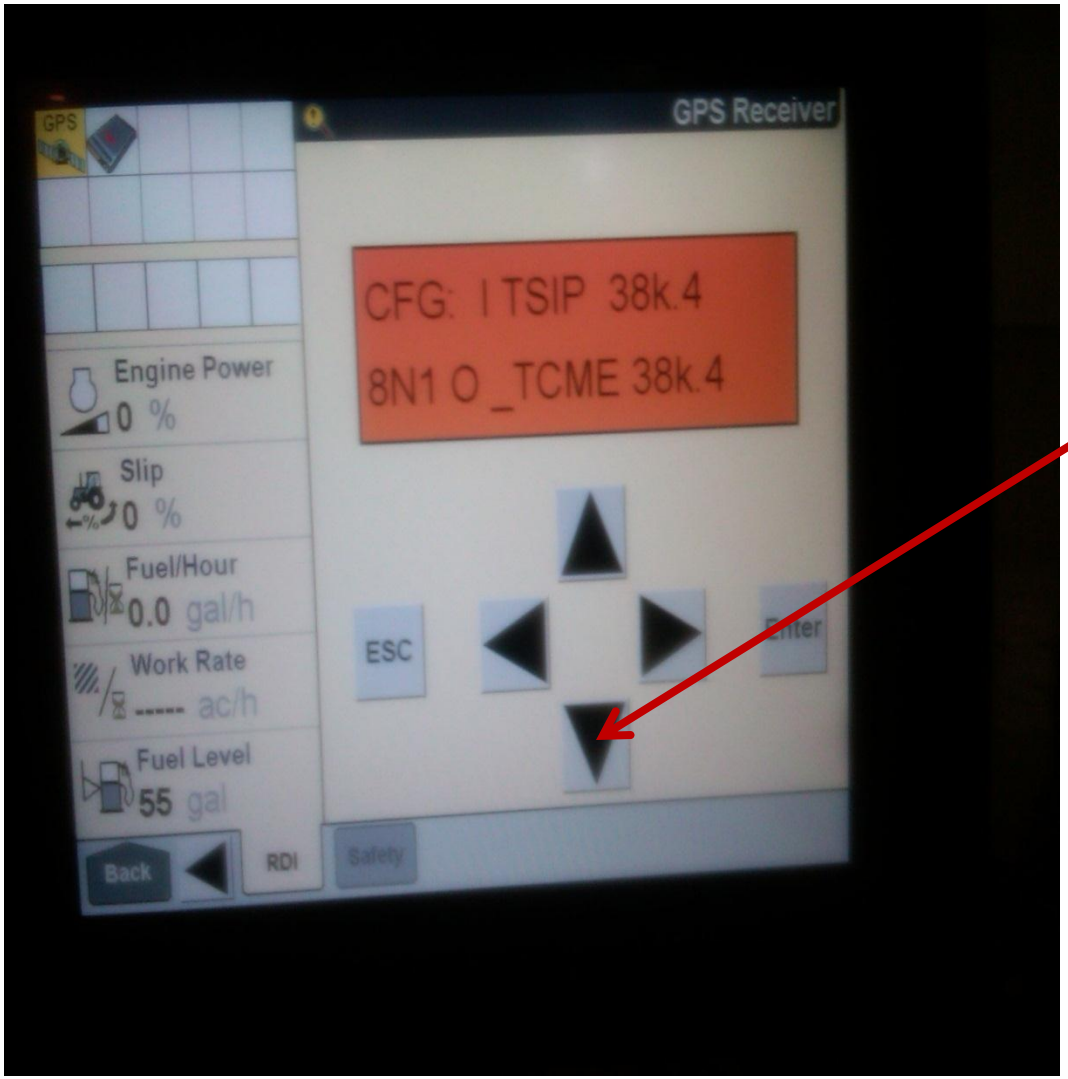
Next press the down arrow



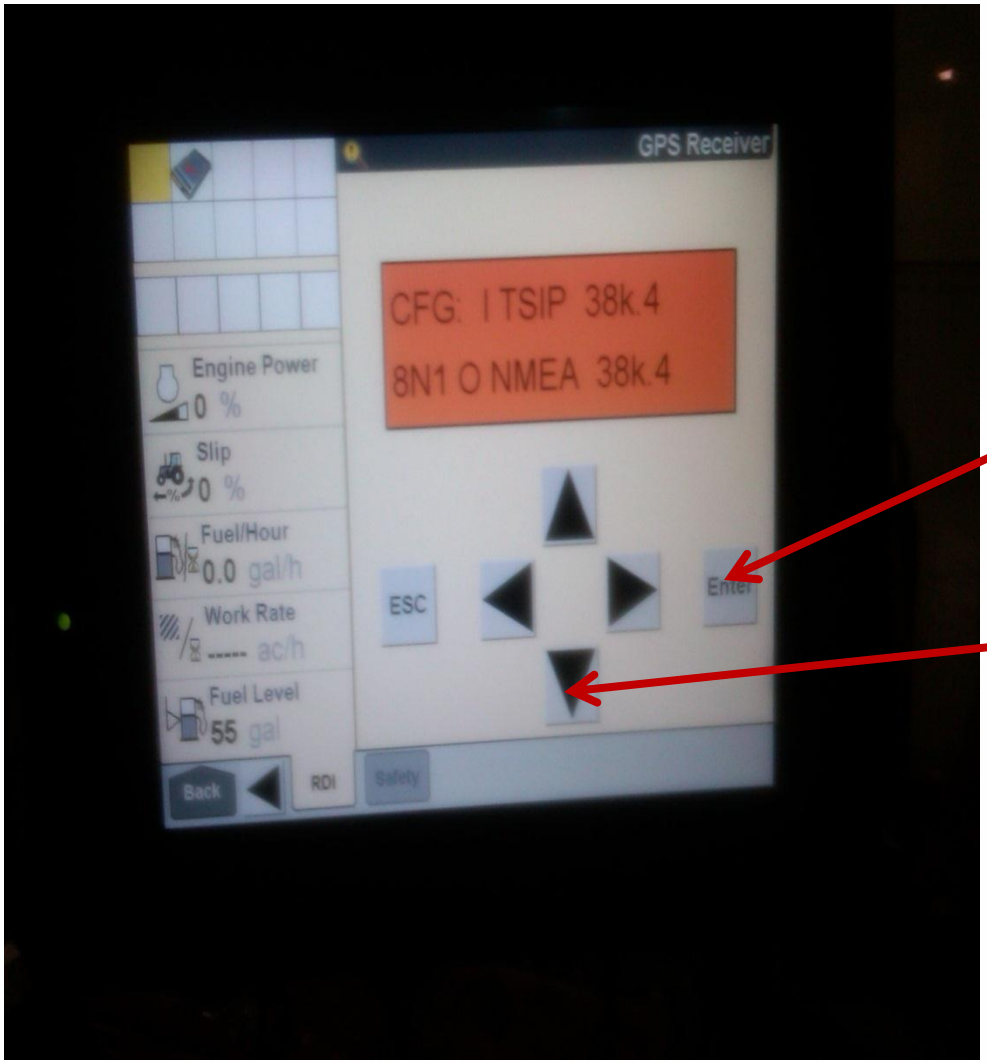
Press down arrow



Press down arrow

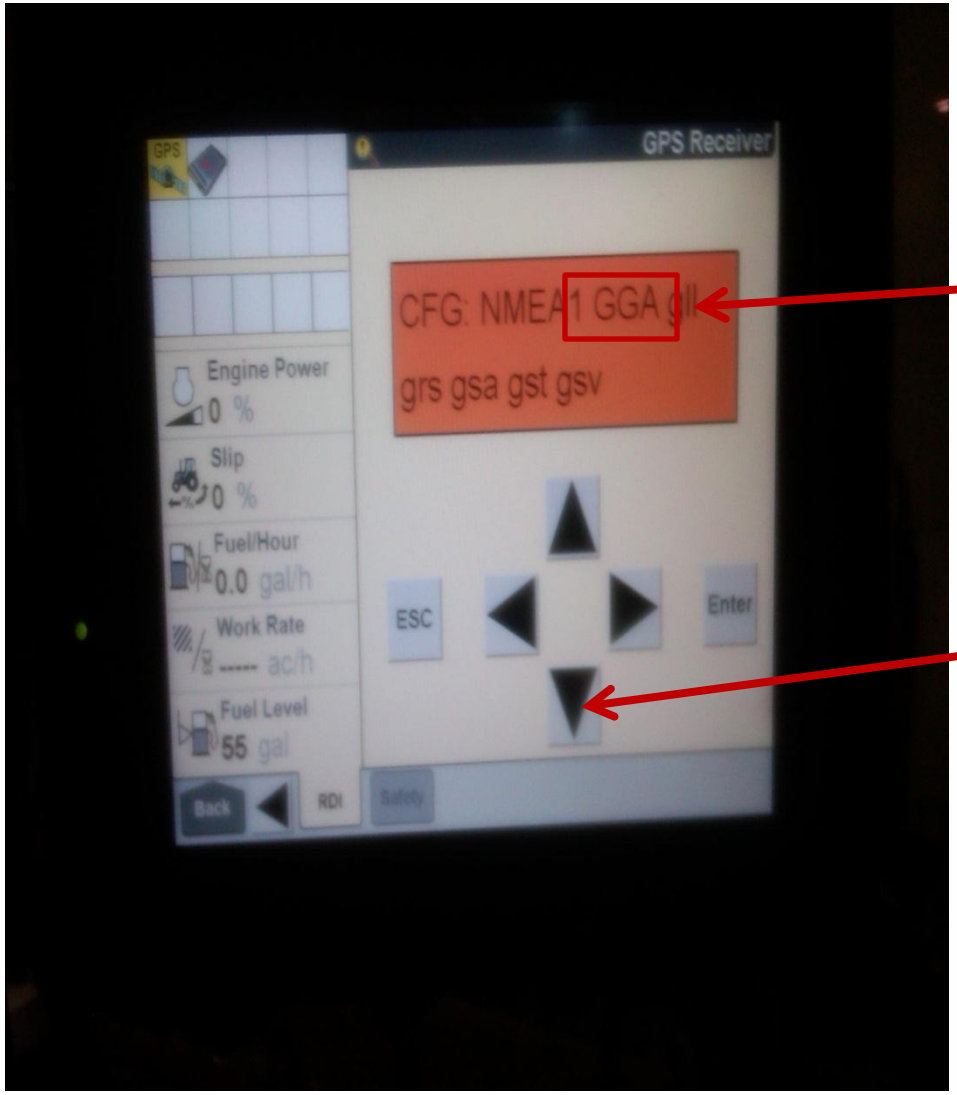


Press down arrow



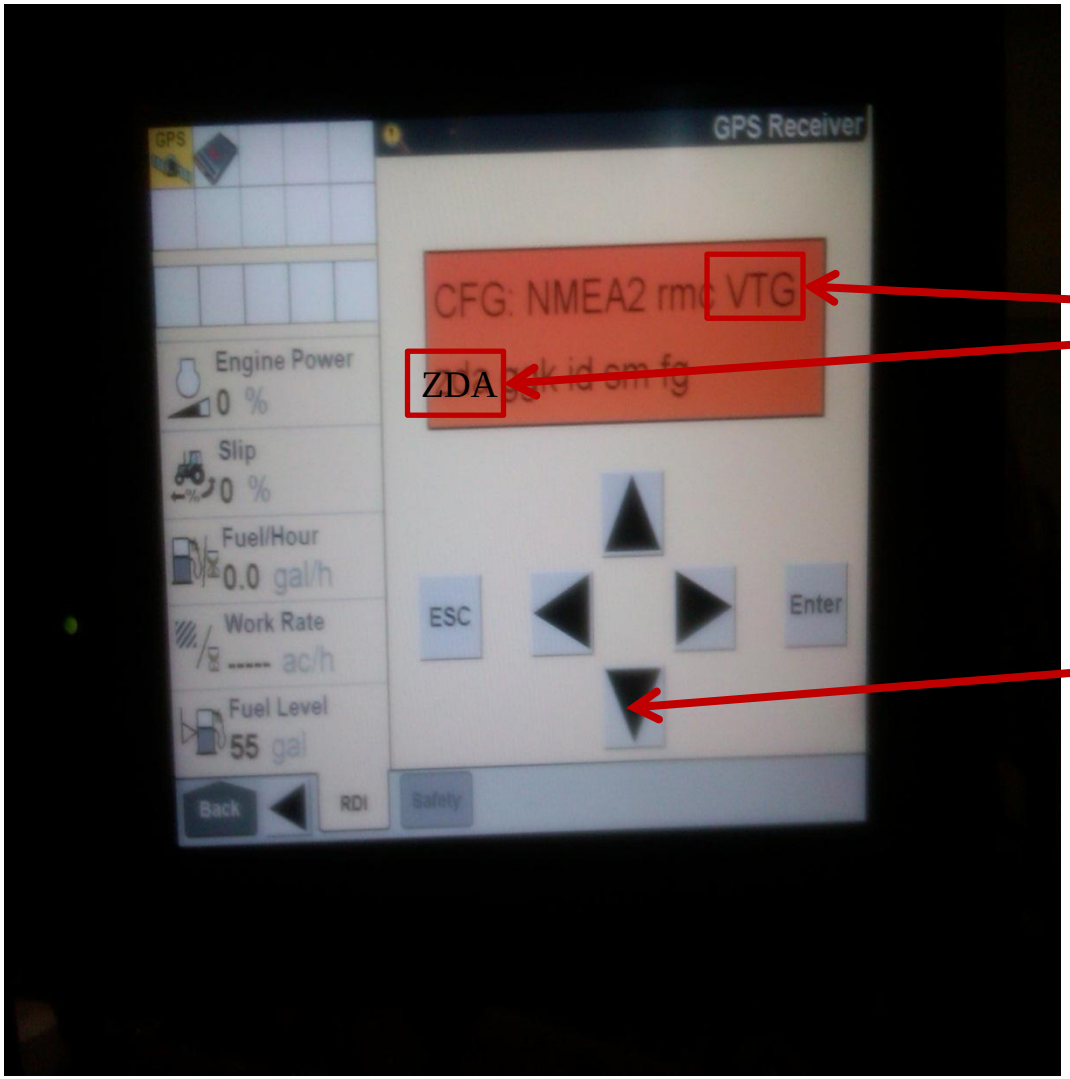
Once you have NMEA displayed press enter

Next press down arrow



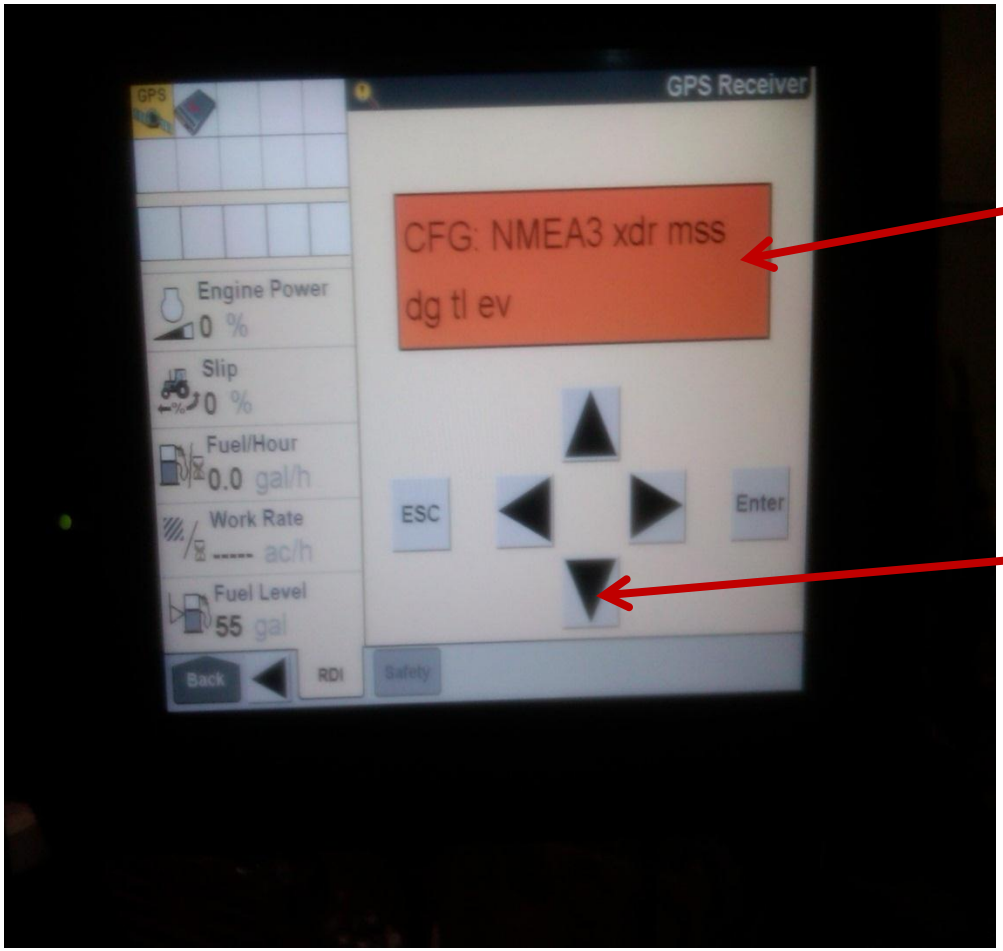
On this screen the GGA should be in capitals

Next press down arrow.



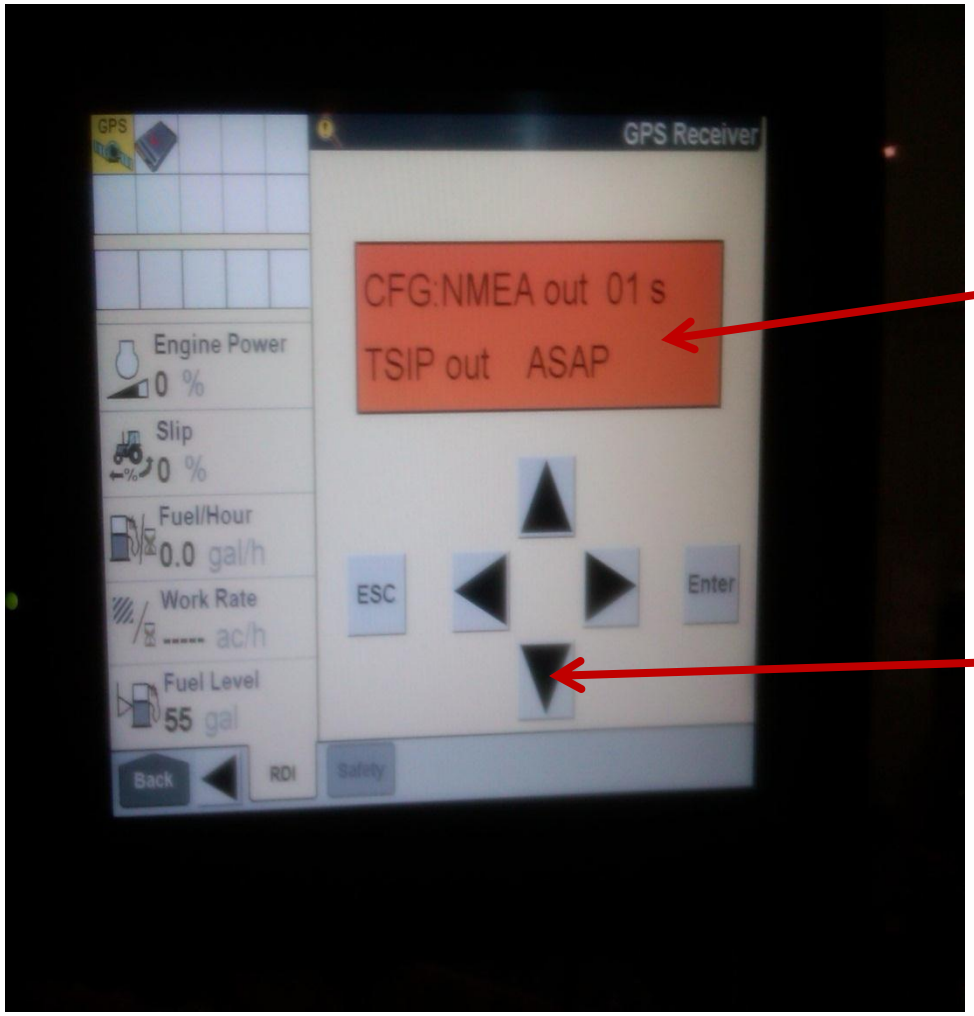
On this screen ensure that VTG and ZDA is in capital letters.

Next press the down arrow



All lower case on this page.

Next press down arrow.

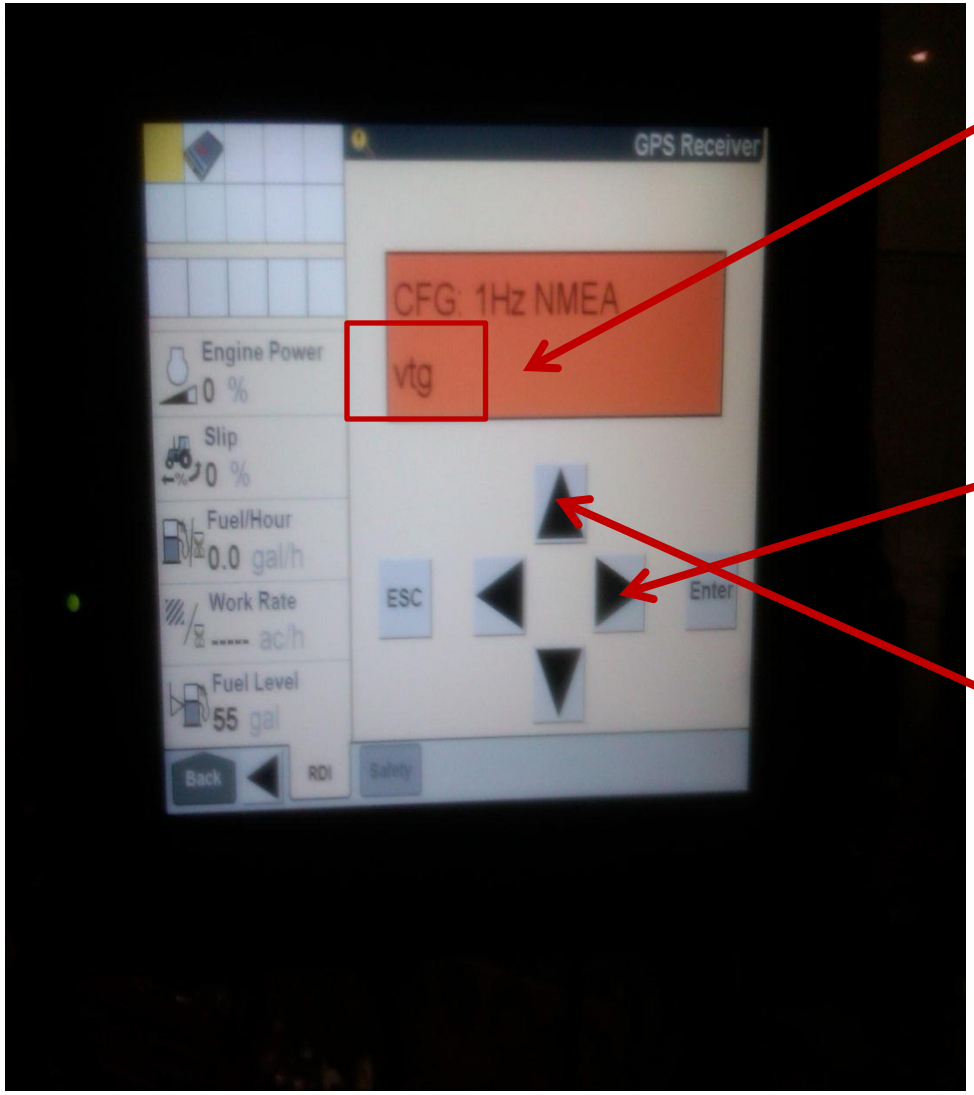


This page should look like this

NMEA out 01 s

TSIP out ASAP

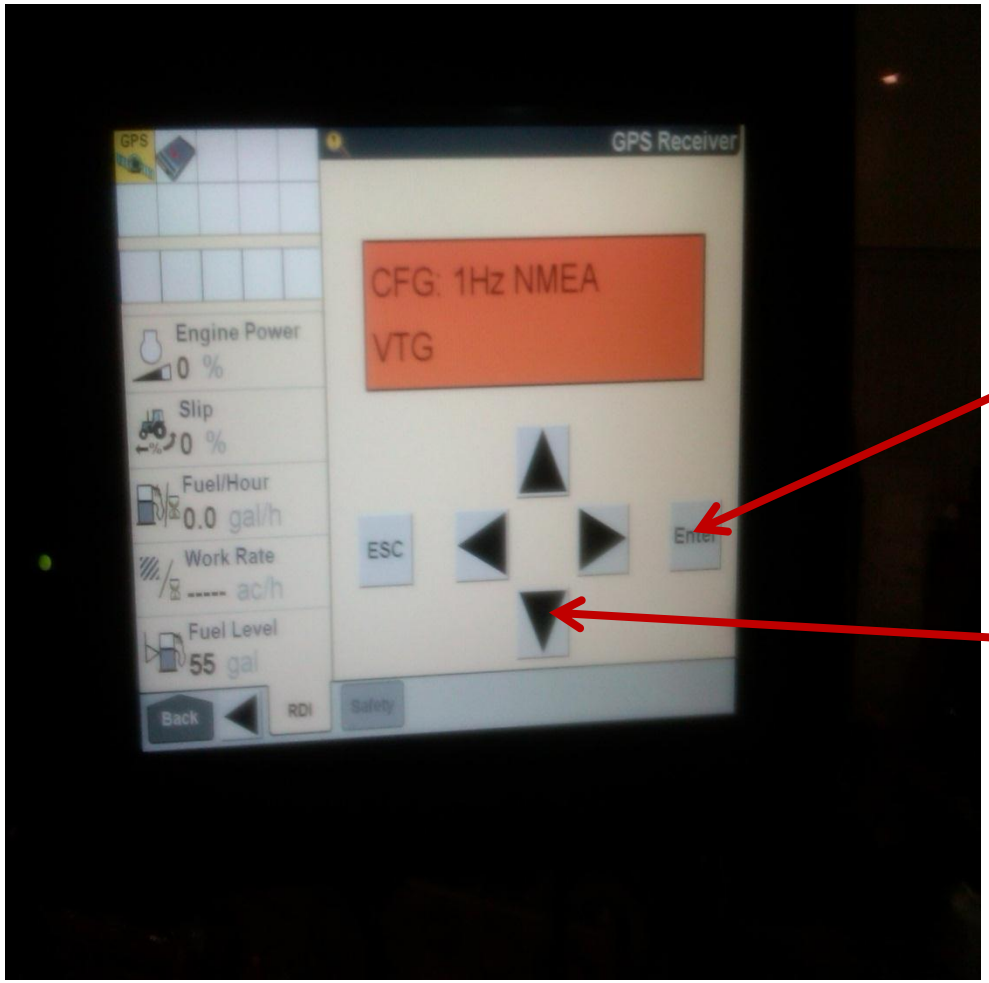
Next press down arrow.



On this page VTG should be in capital letters.

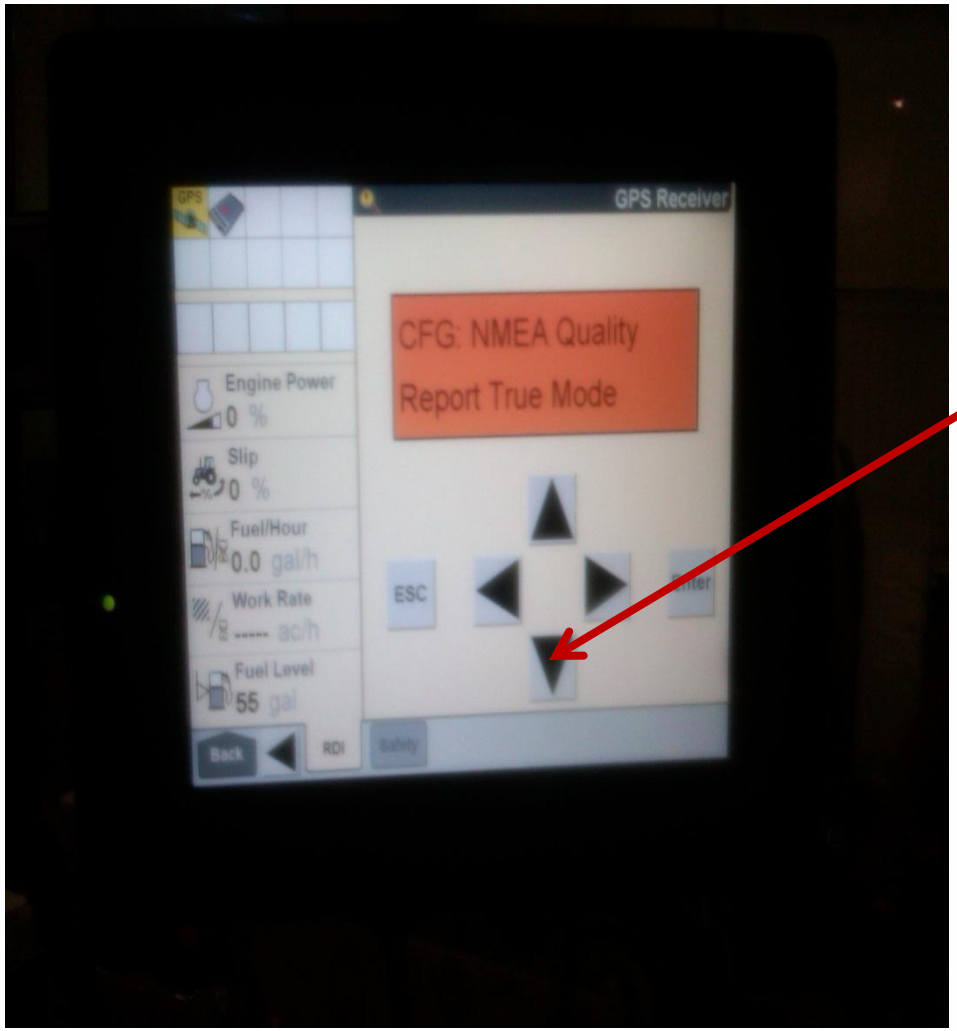
To get this press the right arrow

Next press the up arrow

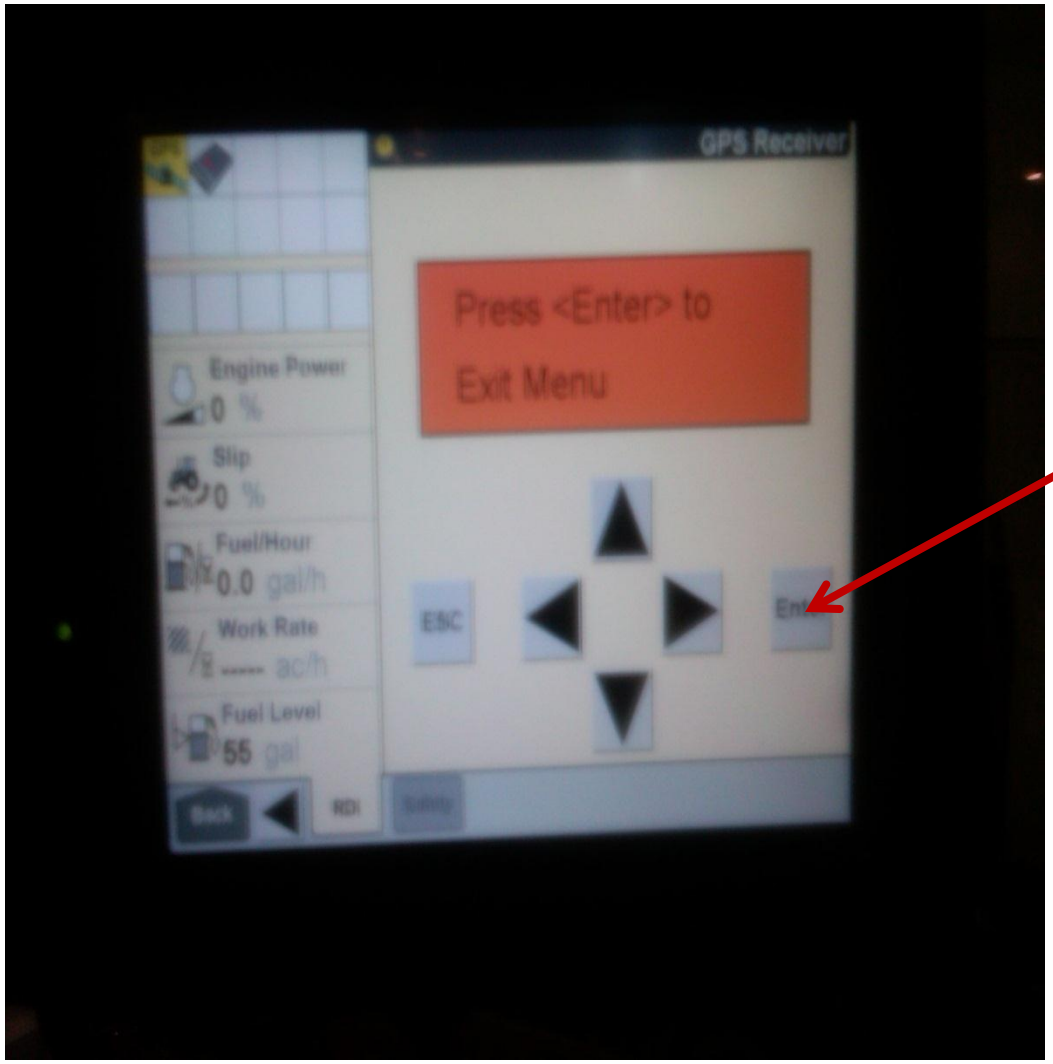


Press the enter to lock the VTG in capital letters.

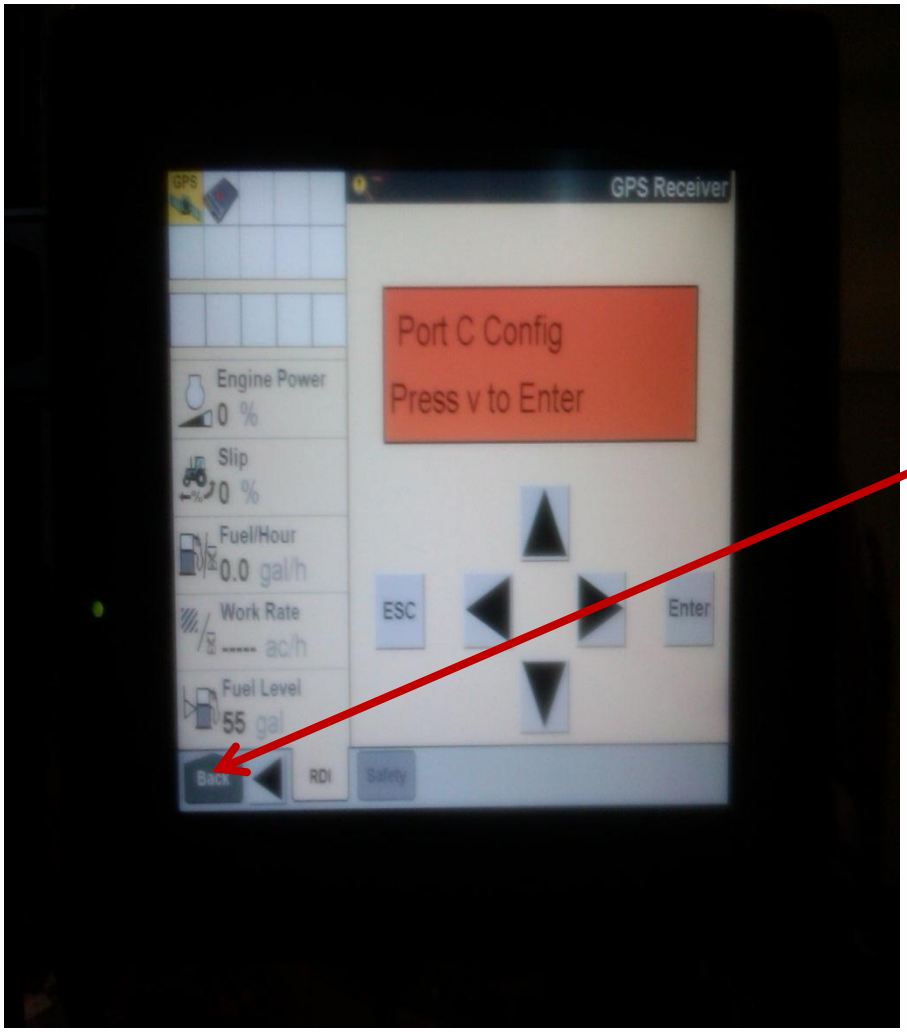
Next press down arrow



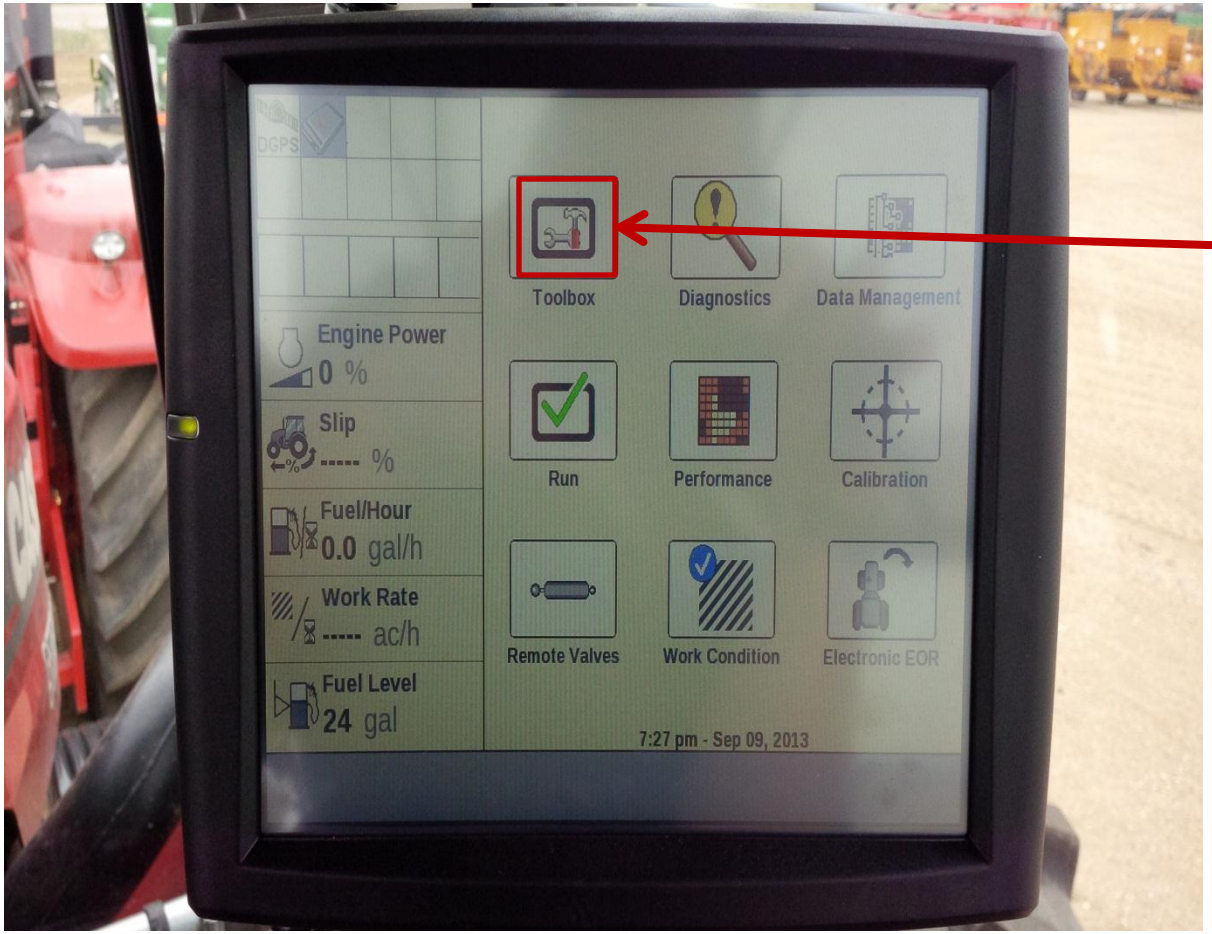
Press down arrow



Press the enter key to exit set-up



From here we need to go back to the main screen. We will touch on the Back button on the bottom left corner.



From the main screen we will go into the Toolbox.

Press on the toolbox button

Scroll over to the NAV tab along the bottom of the screen.

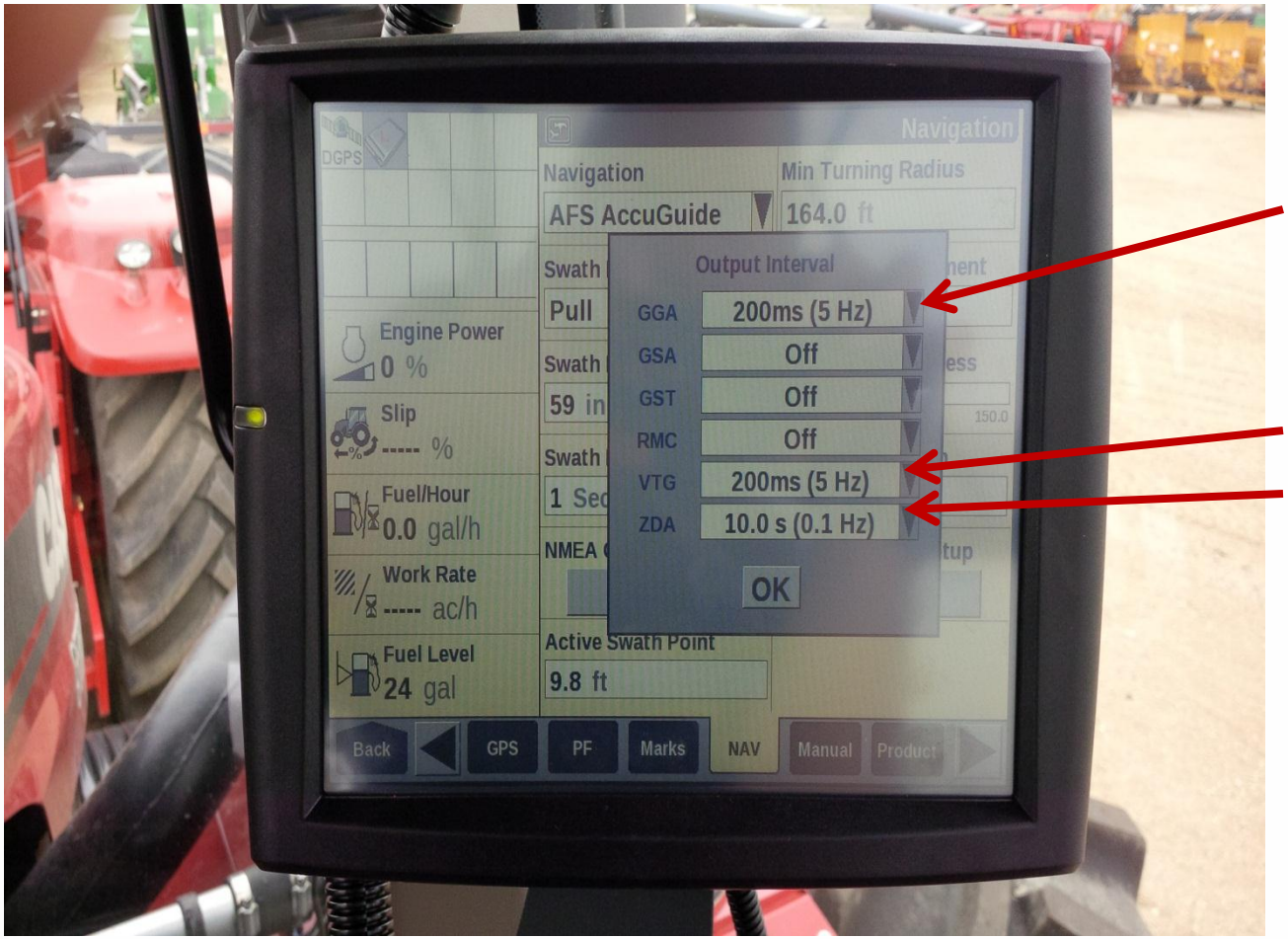
Once on the NAV tab, touch on the edit button below NMEA output setup

NMEA Output Setup

NMEA output	ON
Baud Rate	38400
Absolute Speed	Off

Then press the OK button to go back.

Then go and touch the edit button under
NMEA Message Setup



Output interval

GGA	200ms(5Hz)
GSA	OFF
GST	OFF
RMC	OFF
VTG	200ms(5Hz)
ZDA	10.0s(0.1Hz)

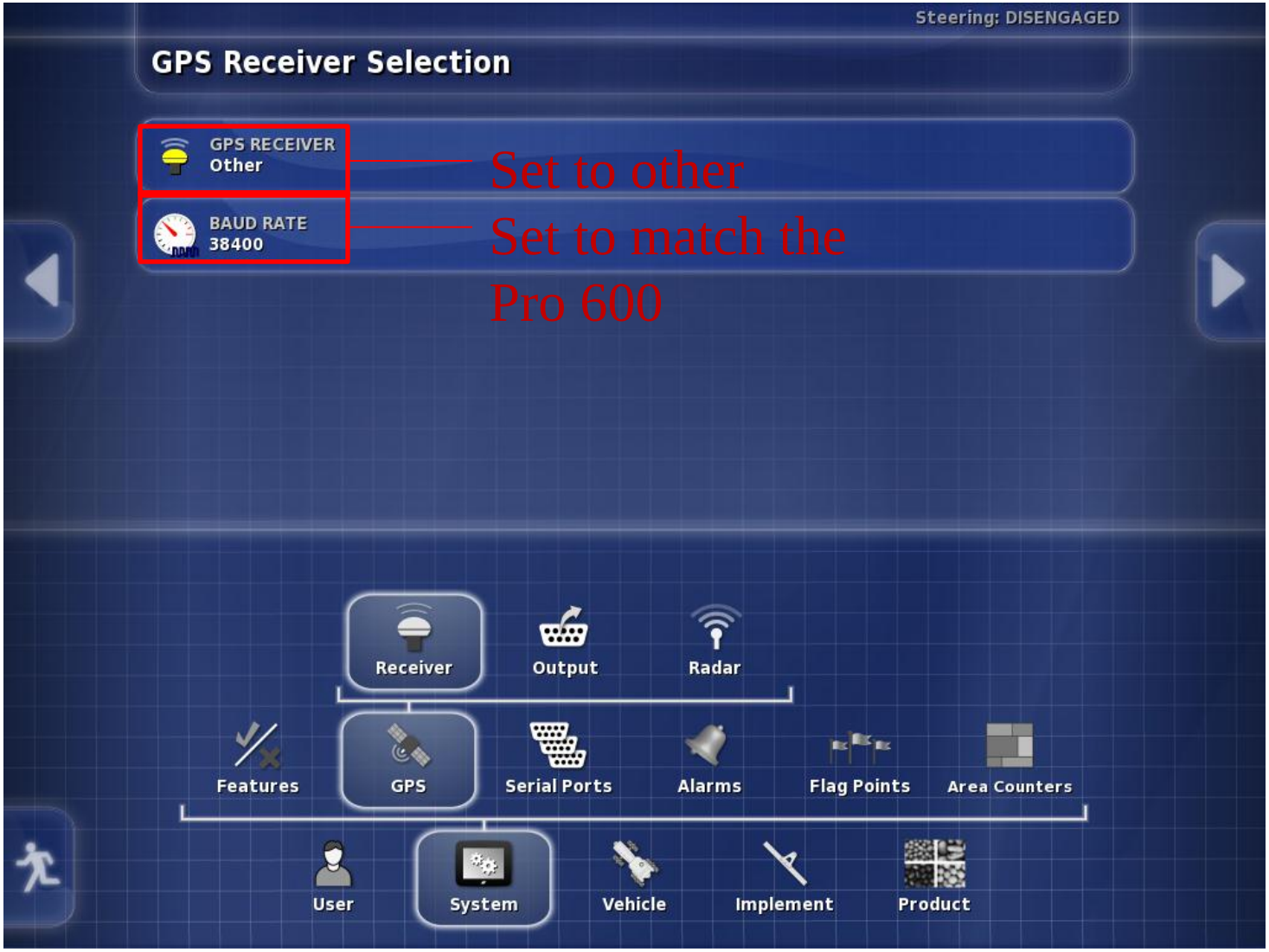
Then press the OK button

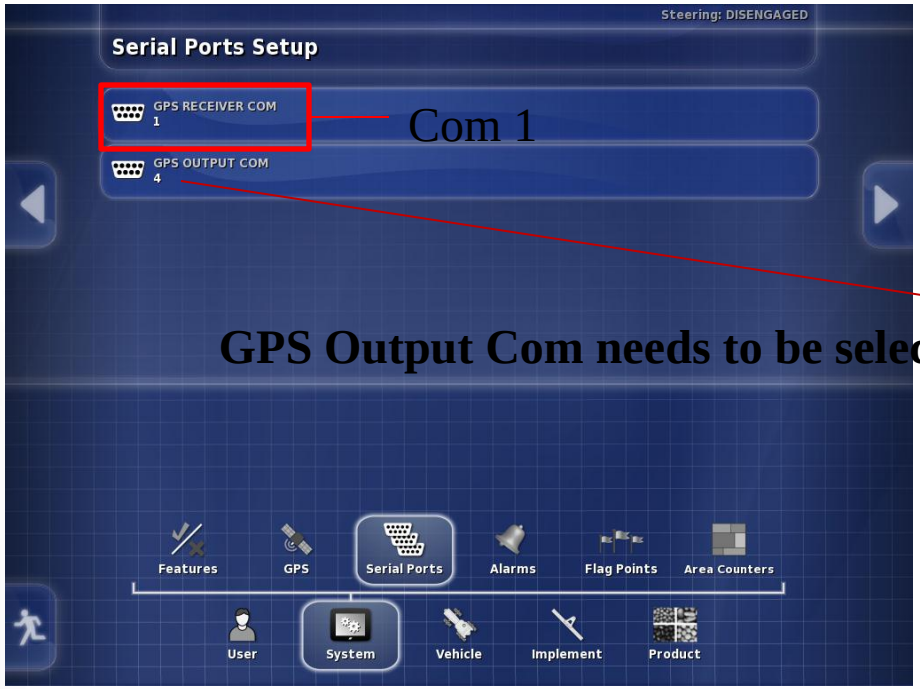
Scroll over to the GPS tab on the bottom of the screen.

You will need to go in and set up your DGPS type.

After this you have completed the pro 600 part.

Then you can finish the few simple X30 steps.


Steering: DISENGAGED
GPS Receiver Selection
GPS RECEIVER
Other
BAUD RATE
38400
Set to other
Set to match the
Pro 600
Receiver
Output
Radar
Features
GPS
Serial Ports
Alarms
Flag Points
Area Counters
User
System
Vehicle
Implement
Product



GPS Output Com needs to be selected different than the Receiver com

Set to match the way the signal is being brought in.

- Com 1 with the gender changer
- Com 2 with the null modem