



## **Greenstar II or III to Topcon X30 connections and settings.**

**(with a single point Connector on the Starfire 3000 receiver)**

- the following pages show the connections and settings to allow the X30 to use the GPS signal from the **Greenstar II or III**.
- GPS signal is needed for Speed for Seeder, Variable Rate Control, Section Control and Guidance.



## HOW TO INSTALL JOHN DEERE GPS RECEIVER HARNESS TO 3rd PARTY CONTROLLER FOR GPS SIGNAL ON SINGLE POINT STARFIRE CONNECTOR





## **•REQUIRED EQUIPMENT**

**-Speed and GPS  
harness PF80754**

**-Female/Female  
Connector PFP10470**

**-Male/Male  
Connector PF80722**

**-Serial null modem or  
a gender changer**

**BOURGAULT**



**CONNECT THE  
MALE/MALE PF80722  
CONNECTOR INTO THE  
FEMALE PLUG ON THE  
ROOF OF THE  
TRACTOR**



**BOURGAULT**



**Connect the female/female  
PF10470 to the receiver cable  
that was unhooked from the  
tractor earlier.**

**BOURGAULT**



**Connect the PF10470 to the  
Speed and GPS cable PF80754**





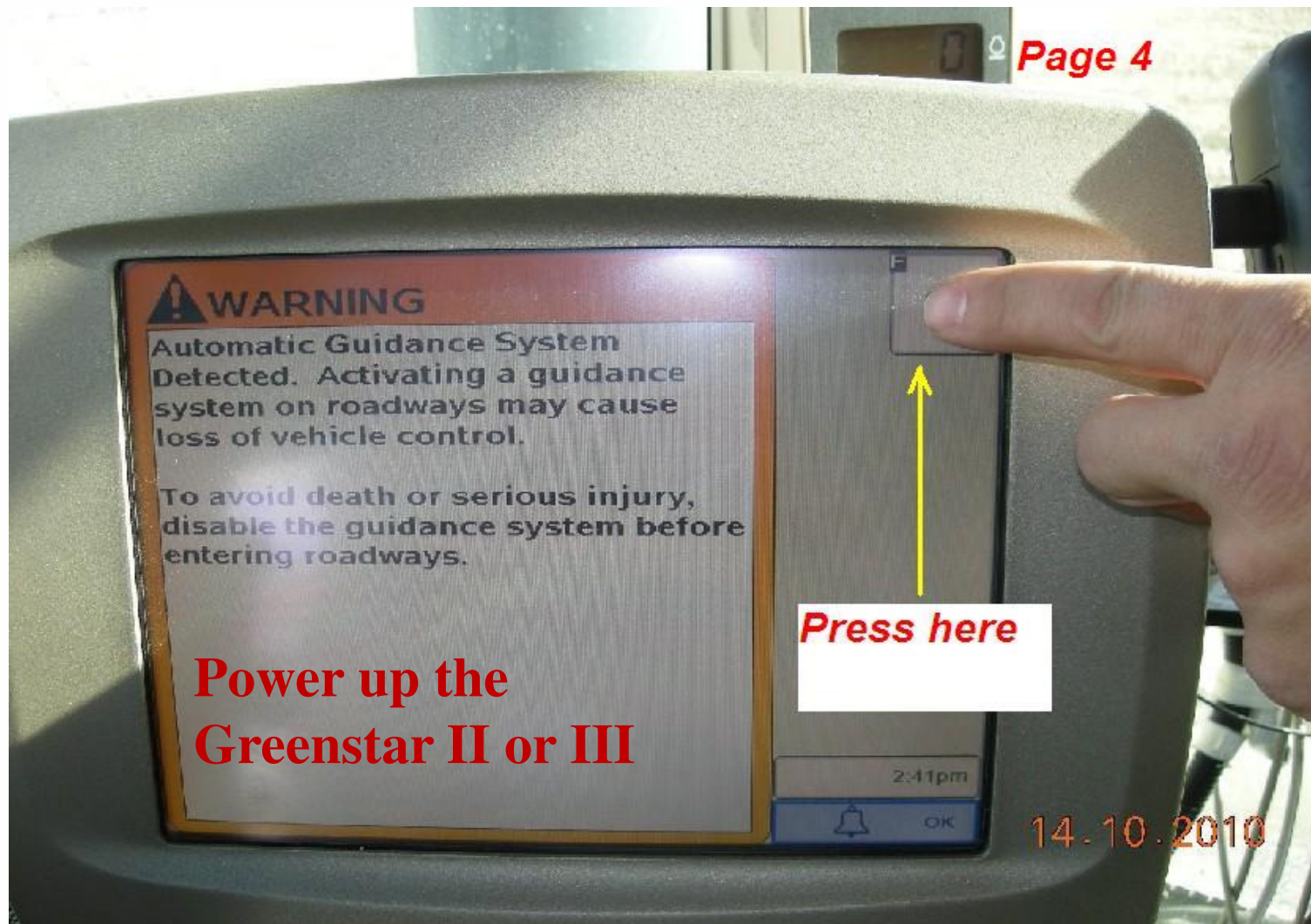
**Connect the PF80722 to the  
Speed and GPS cable PF80754**

**BOURGAULT**



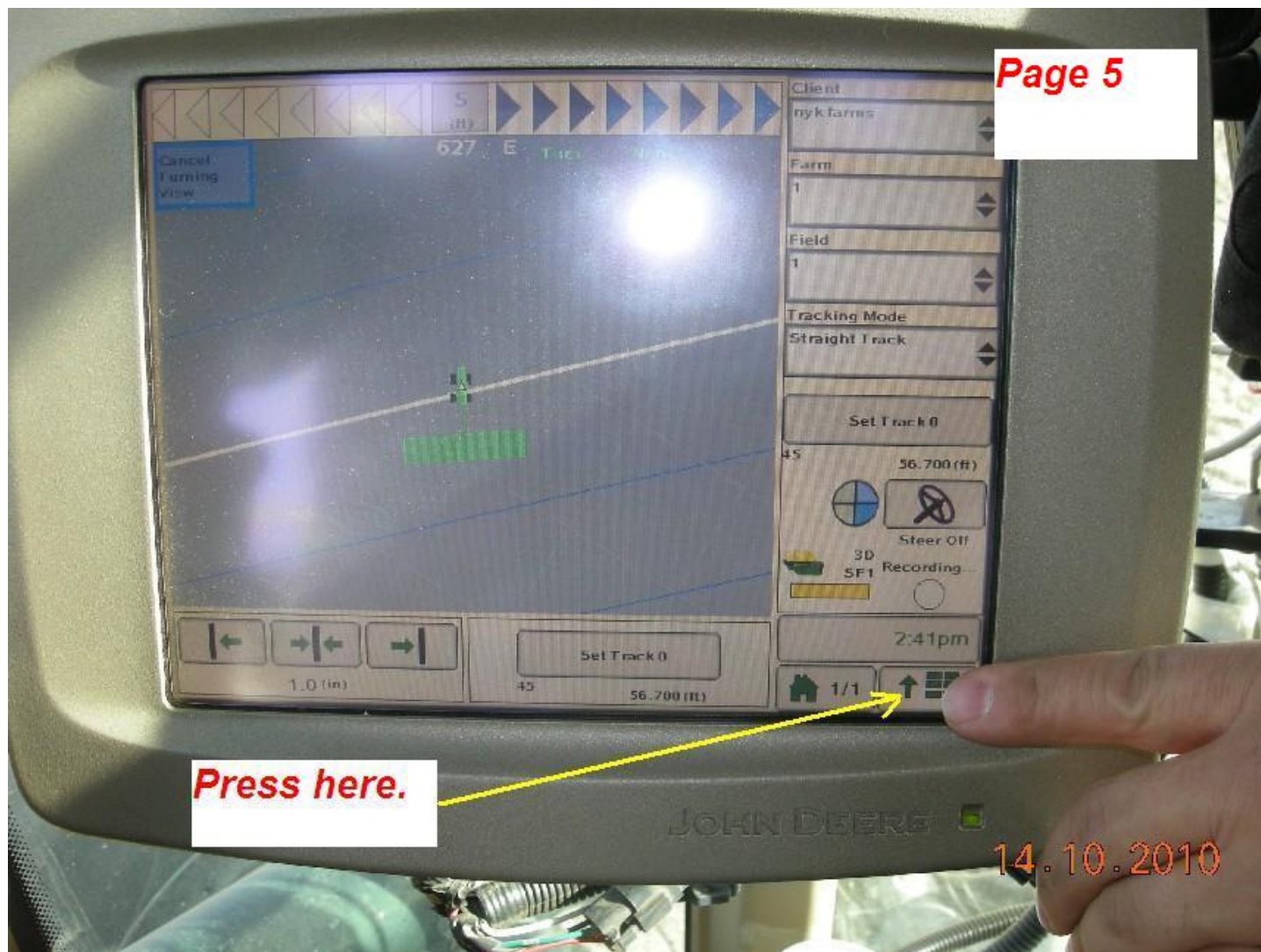
**FOLLOW THE STEPS ON  
THE FOLLOWING PAGES  
TO SETUP THE DISPLAY  
BAUD RATE TO 38400  
AND 10Hz ON BOTH THE  
RECEIVER SETTINGS  
AND THE X30 SETTINGS**





**BOURGAULT**

**Page 5**

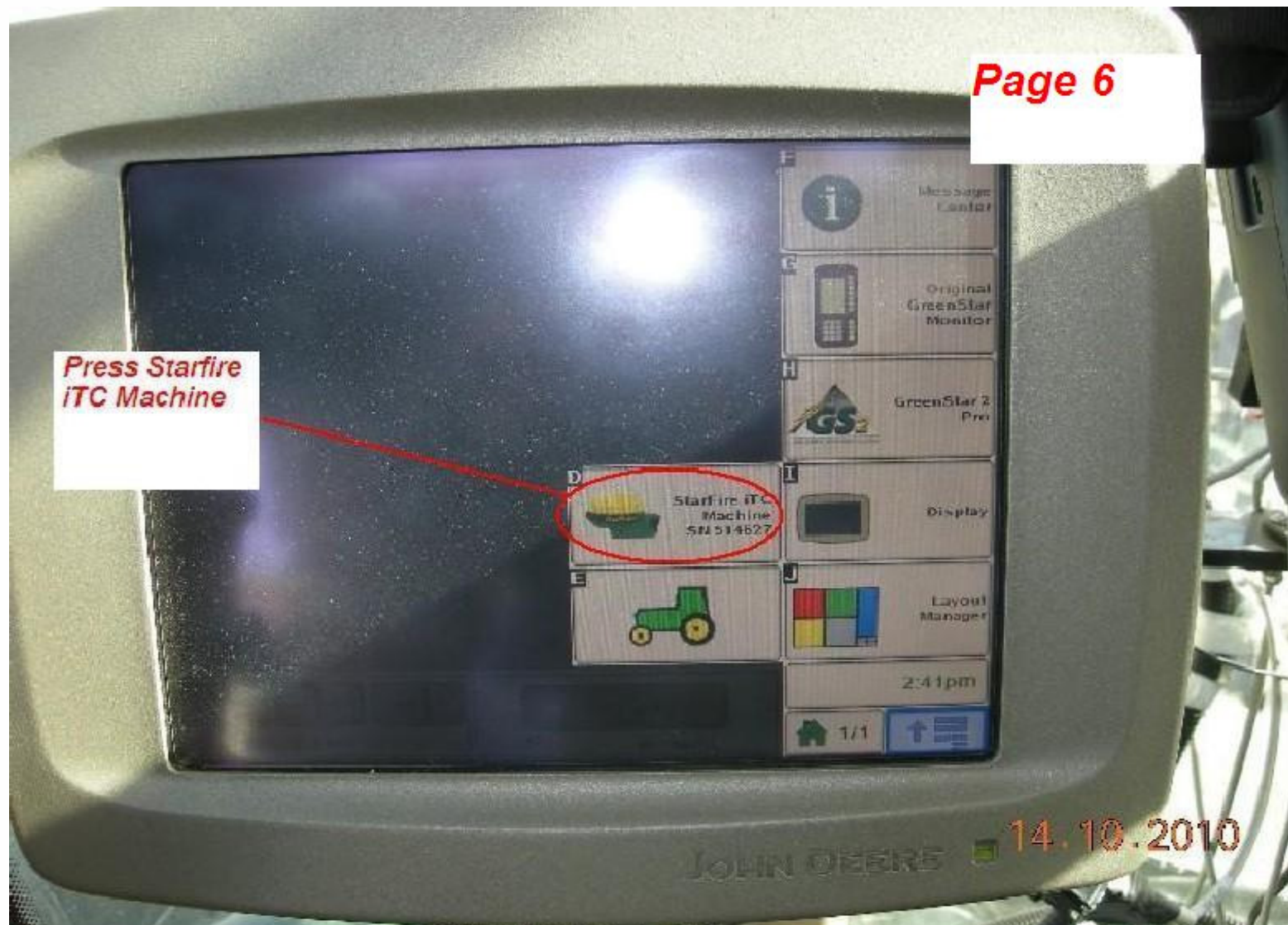


**Press here.**

14.10.2010

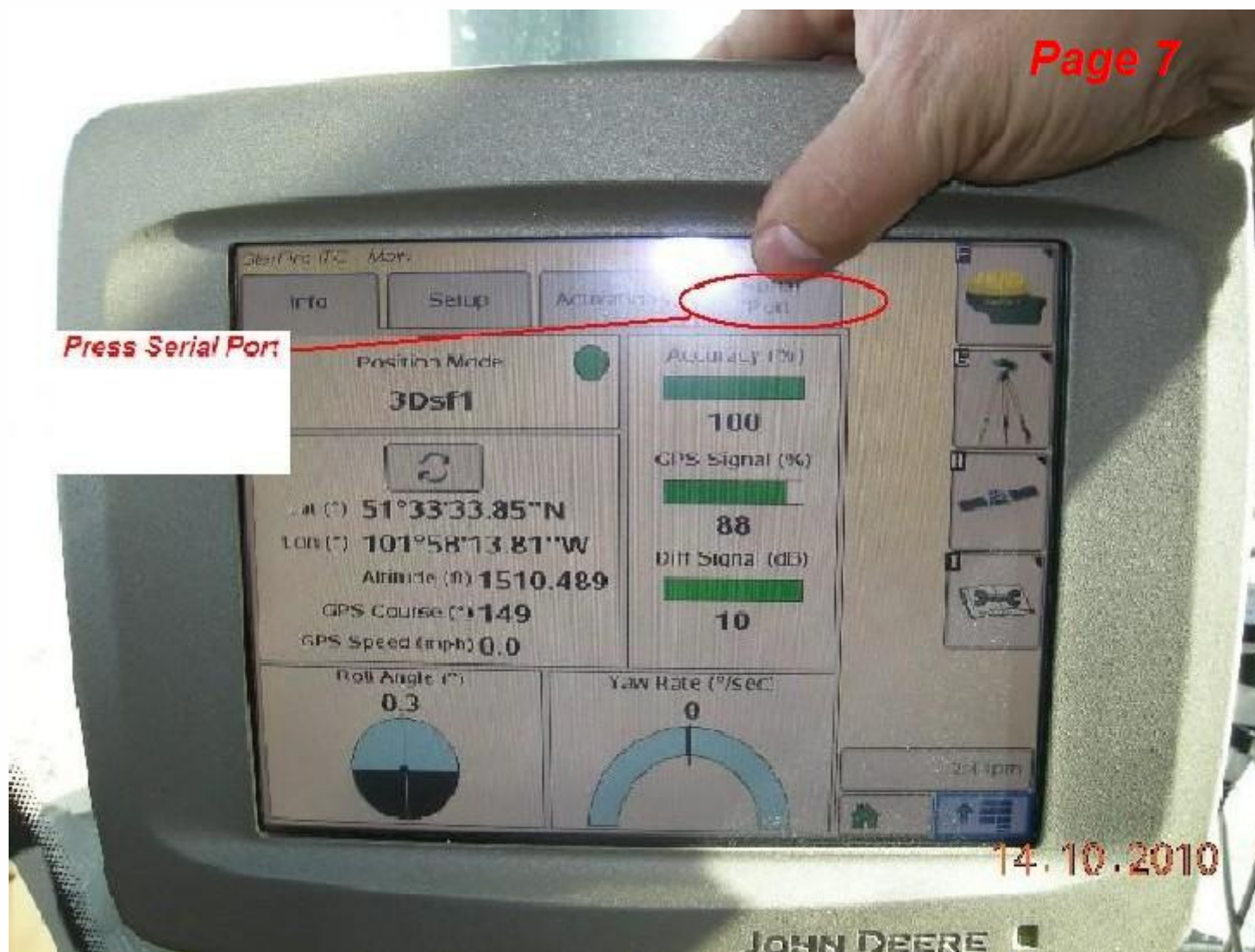


**Press Starfire  
iTC Machine**





Press Serial Port



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JOHN DEERE



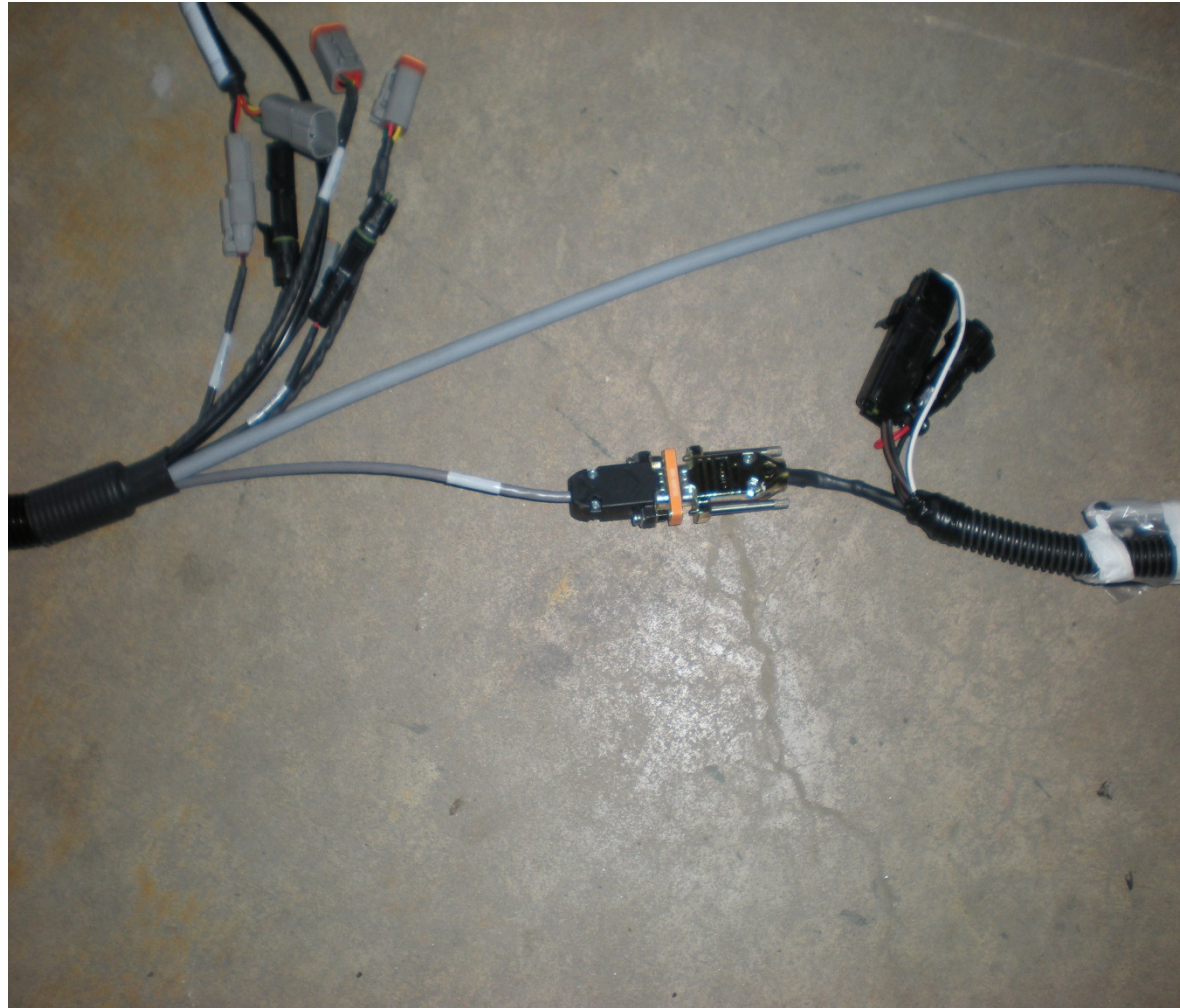


**The following will help you connect the Speed and GPS cable PF 80754 to the X30 main harness. There are two different ways to bring the signal into the X30 console.**

**You will need either a null modem or a gender changer depending which way the signal is brought in.**







## **Com 2**

**You need the null  
modem. Supplied with  
the X30 monitor kit**



## **Com 1**

**You will need the mini gender changer that is supplied with the X30 monitor kit.**



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Steering: DISENGAGED

## GPS Receiver Selection



GPS RECEIVER  
Other



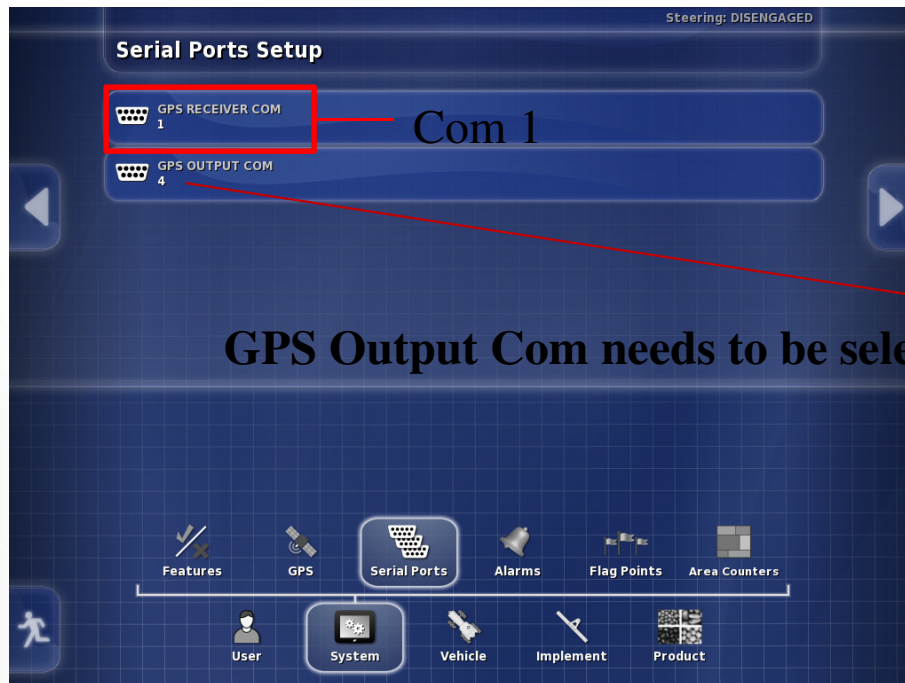
BAUD RATE  
38400

Set to other

Set to match the  
Greenstar







**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