



Greenstar II or III to Topcon X30 connections and settings.

(with a Starfire ITC 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.



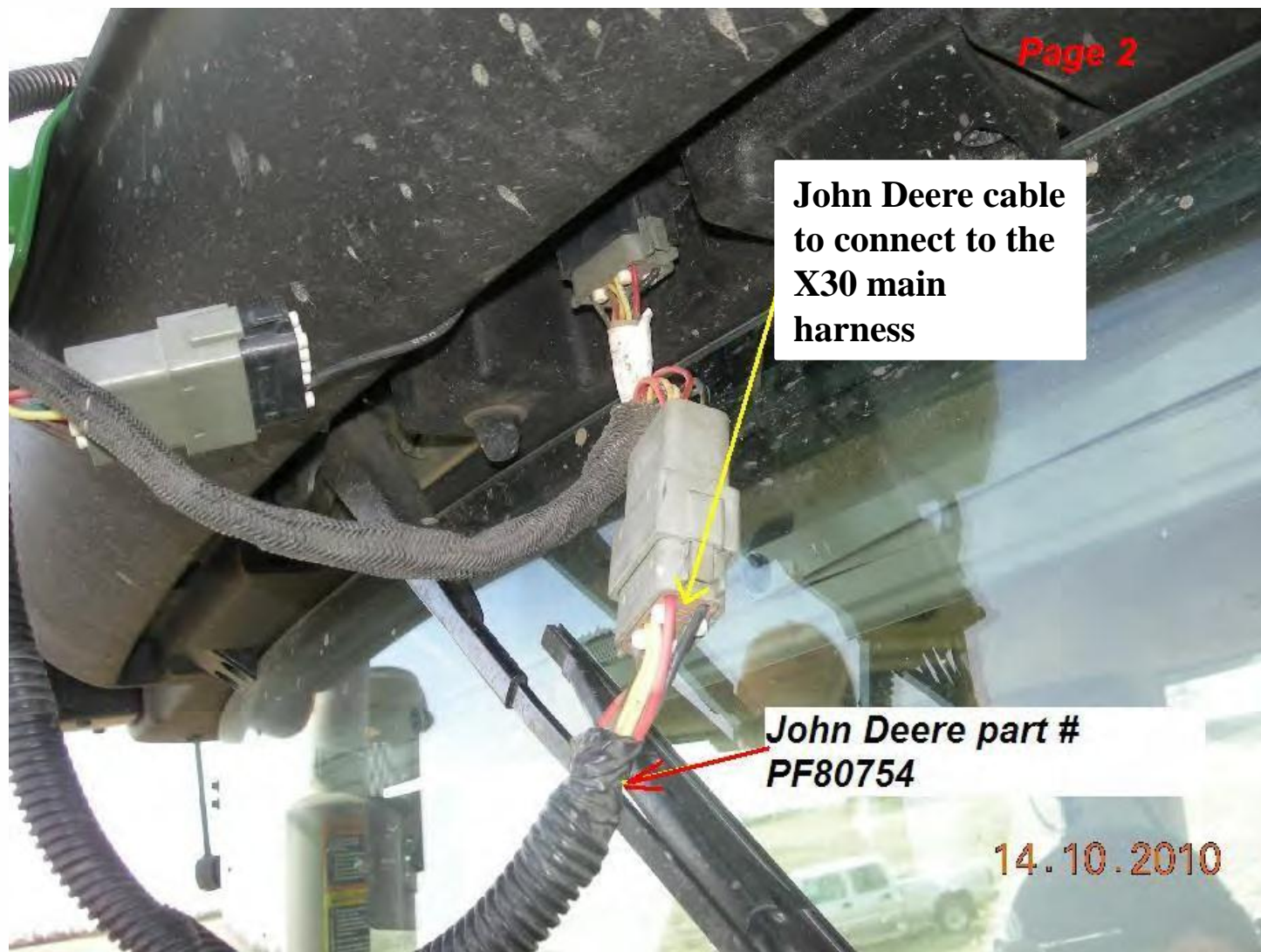
HOW TO INSTALL JOHN DEERE GPS RECEIVER HARNESS TO 3rd PARTY CONTROLLER FOR GPS SIGNAL.

PARTS THAT ARE REQUIRED.

- PF80754 John Deere harness
- A serial Null modem or a mini gender changer







Page 2

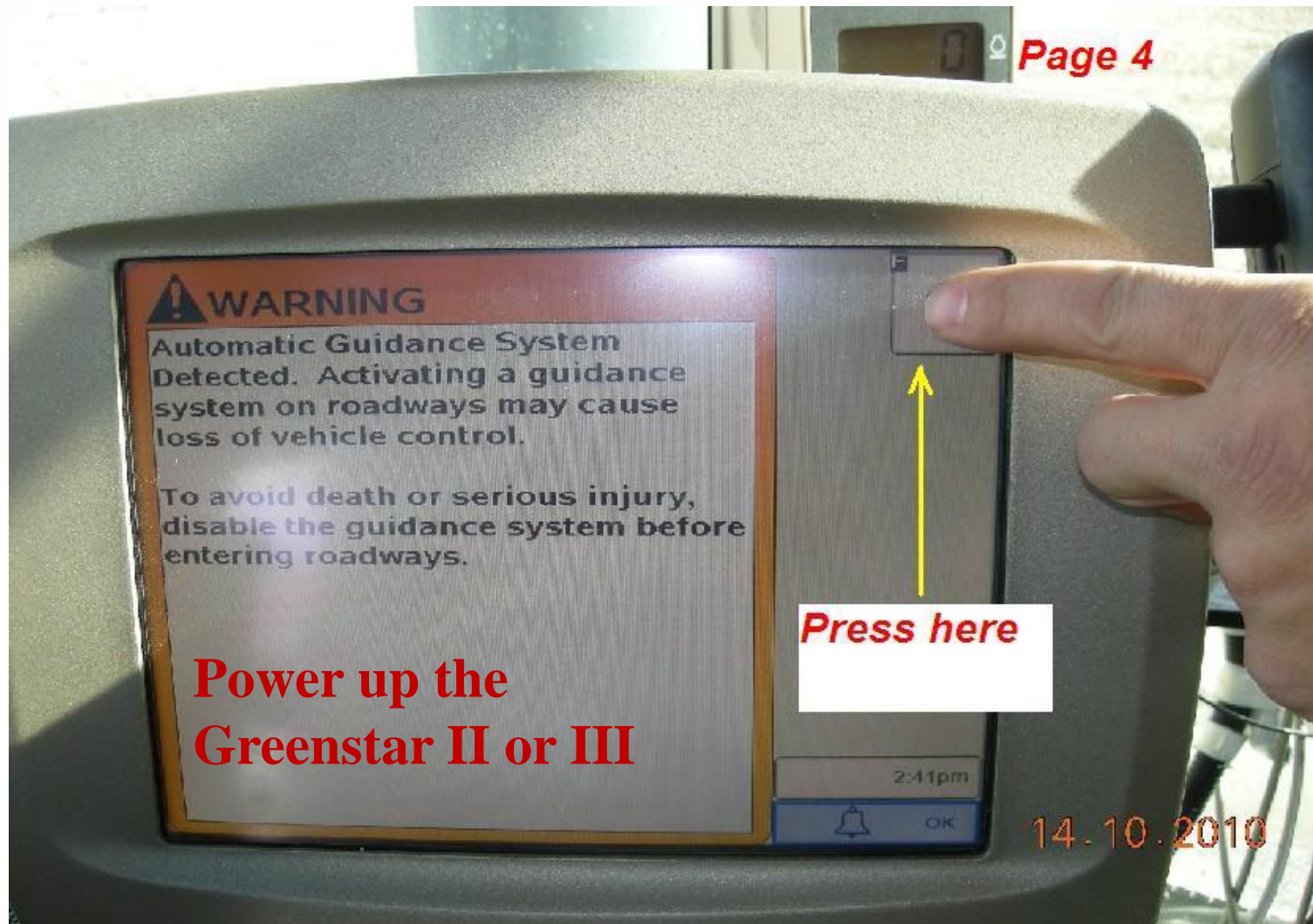
John Deere cable
to connect to the
X30 main
harness

John Deere part #
PF80754

14.10.2010



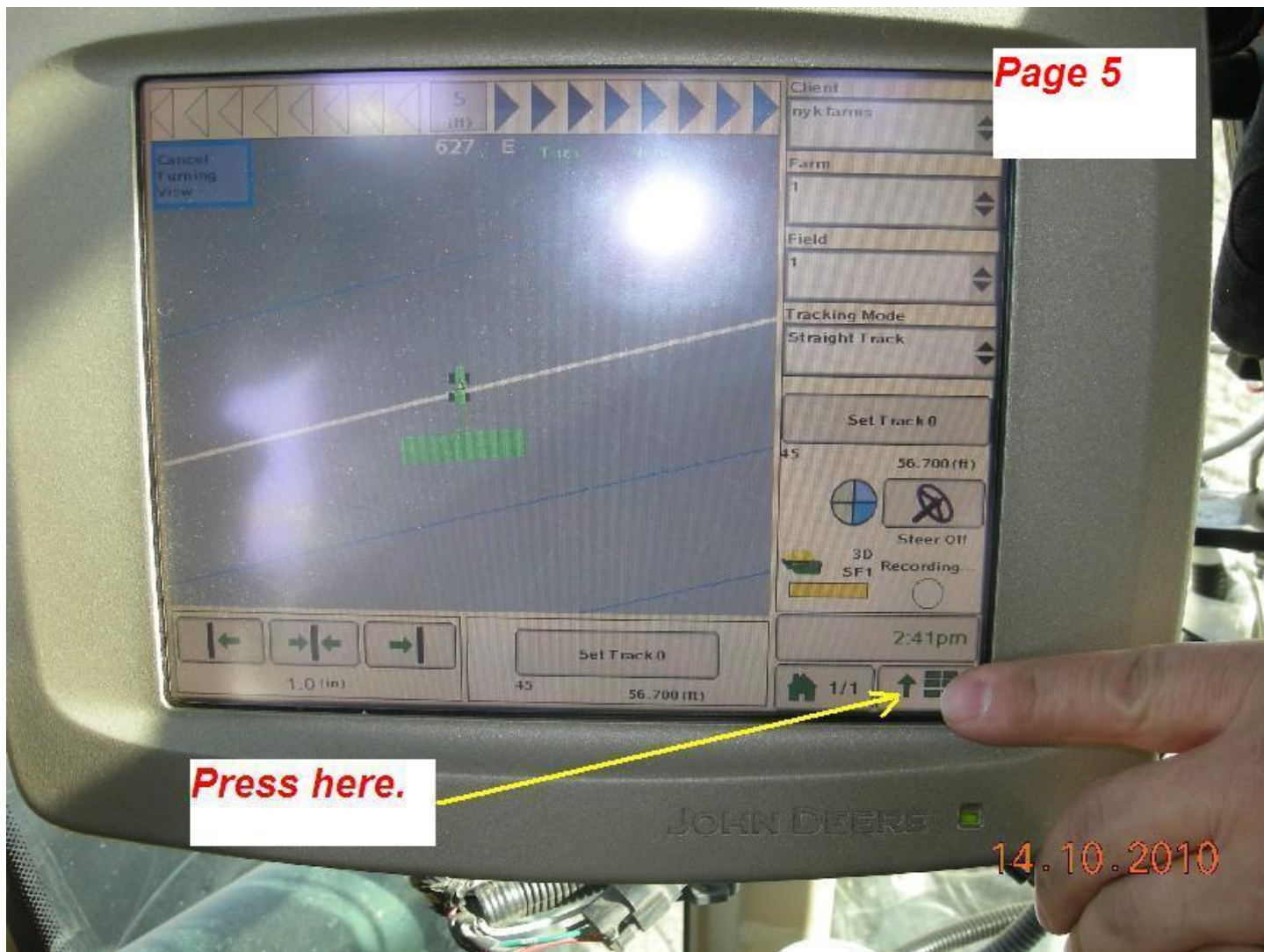
**FOLLOW THE STEPS ON
THE FOLLOWING PAGES
TO SETUP THE DISPLAY
BAUD RATE TO 38400
AND 10Hz ON BOTH THE
RECEIVER SETTINGS
AND THE X30 SETTINGS**



**Power up the
Greenstar II or III**

Press here

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Press here.

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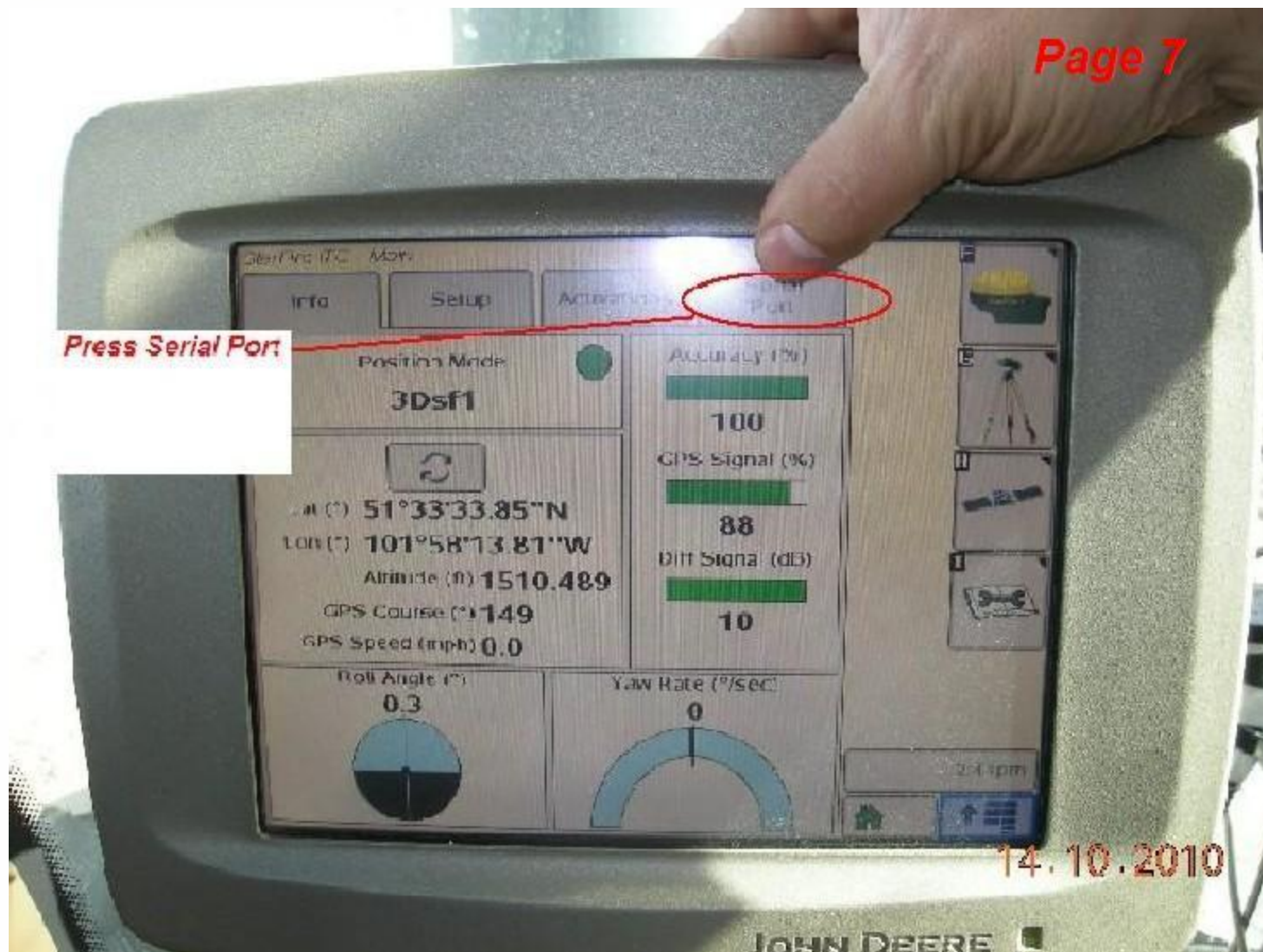


Page 6

Press Starfire
iTC Machine



Press Serial Port





Page 8



Baud Rate
38400

Output rate
10 Hz

GGA ☒

GSA ☐

HMC ☐

VTG ☒

ZDA ☒

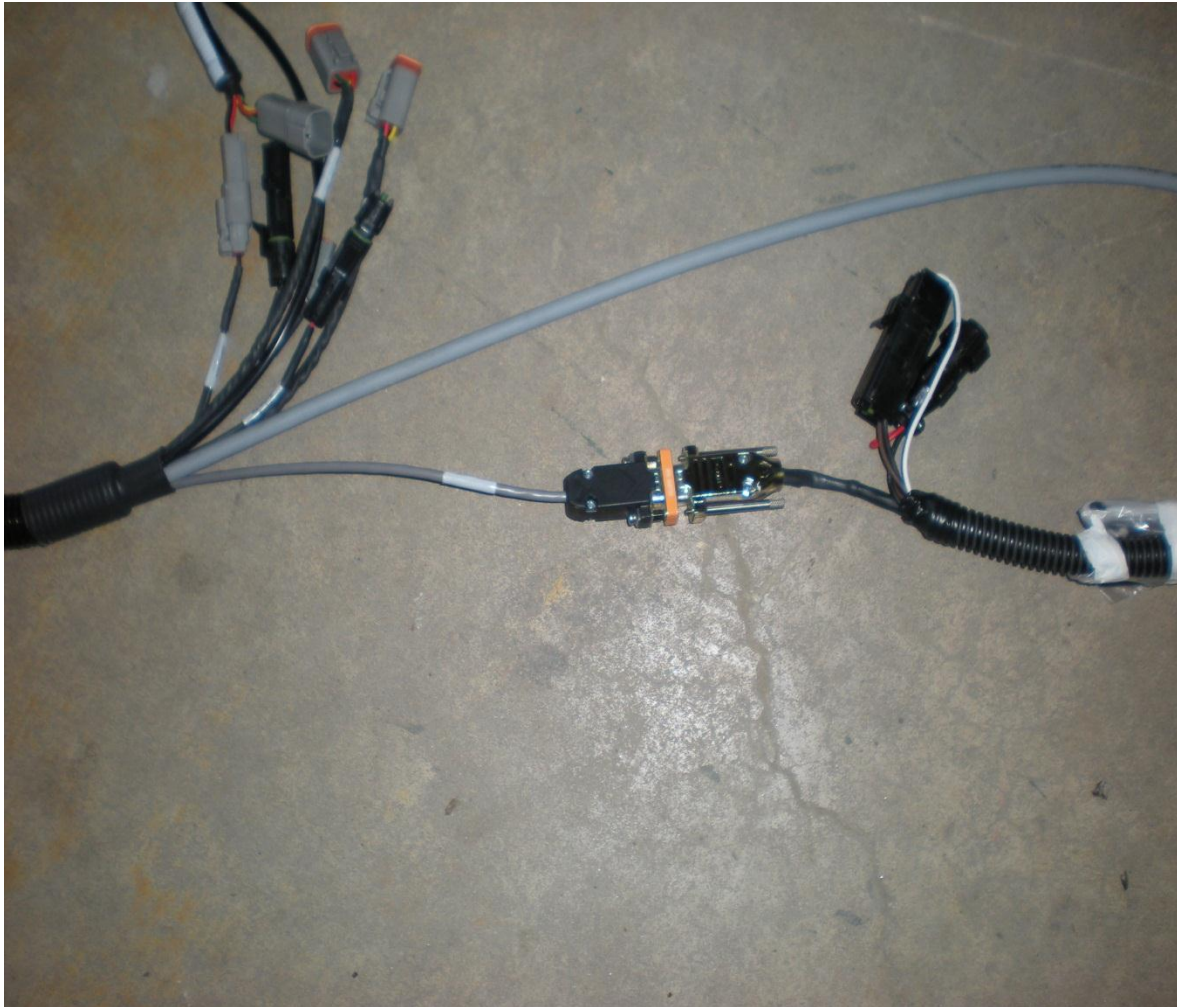
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The following will help you connect the Speed and GPS cable PF 80754 to the X30 main harness. There are two different ways to bring the signal into the X30 console.

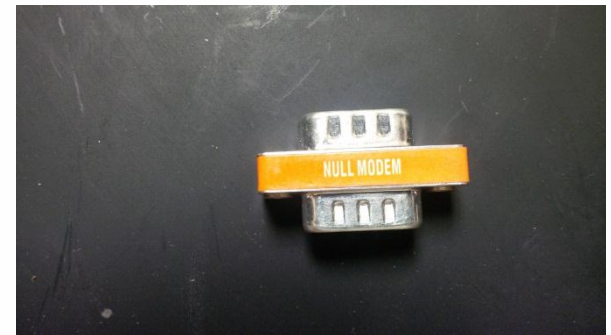
You will need either a null modem or a gender changer depending which way the signal is brought in.





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.





Steering: DISENGAGED

GPS Receiver Selection




GPS RECEIVER
Other




BAUD RATE
38400

Set to other

Set to match the Greenstar



Receiver



Output



Radar



Features




GPS




Serial Ports



Alarms




Flag Points



Area Counters




User



System



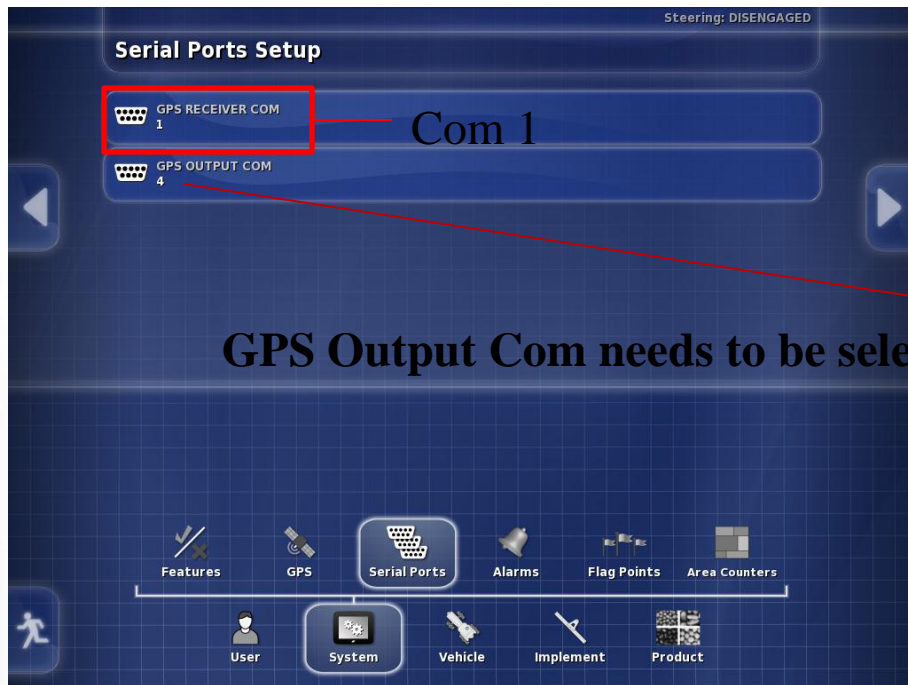
Vehicle



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