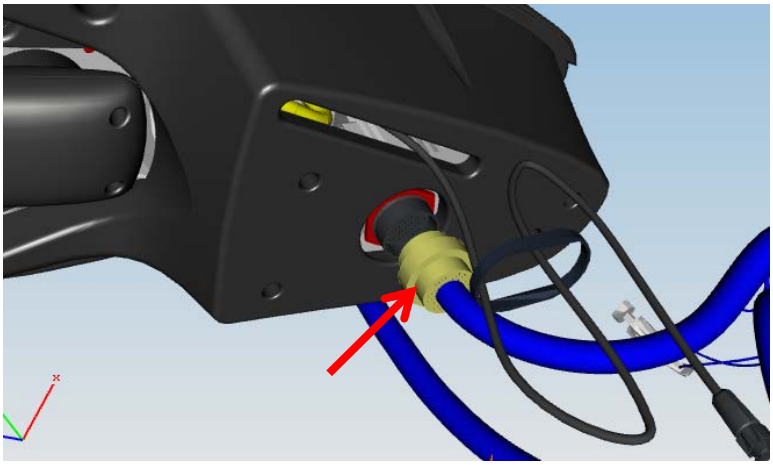
Below chart is the pin out for the C1000. You can see that pins 16-18 is the serial circuit. You will want to wire your serial to pins 12 (Rx), 13 (Tx), and 14 (Ground) at the bottom of the armrest. The serial circuit goes from the console to the bottom of the armrest and stop there, so these pins will be empty on one side of that connection. (Pin 14 ground goes to a good ground on the tractor at this point of connection).

Pin assignment		
Pin	assignment	description
1	VCC	Power Supply: Steady Plus, Klemme 30
2	Ignition Input	Power Supply: Ingnition Plus, Klemme 15
3	GND	Power Supply: Battery Ground, Klemme 31
4	CarGND	Power Supply: Vehicle Chassis Ground
5	Audio: L	Audio: Left Audio Signal, Option
6	Audio: R	Audio: Right Audio Signal, Option
7	Audio: GND	Audio: Ground, Option
8	CAN1H	CAN: CAN 1 Hi
9	CAN1L	CAN: CAN 1 Lo
10	CAN2H	CAN: CAN 2 Hi
11	CAN2L	CAN: CAN 2 Lo
12	USB: VCC	USB 1.1 Host: VCC: +5V
13	USB: GND	USB 1.1 Host: GND: Ground
14	USB: D-	USB 1.1 Host: D-: Data -
15	USB: D+	USB 1.1 Host: D+: Data +
16	RS232: RxD	EIA232: RxD: Receive Date
17	RS232: TxD	EIA232: TxD: Transmit Data
18	RS232: GND	EIA232: GND: Ground
19	Frequency Input	I/Os: Digital frequency Input for TECU
20	Analog Input 1	I/Os: Anolog Input for TECU
21	Analog Input 2	I/Os: Analog Input for Keyboard Navigator
22	Digital Input 1	I/Os: Digital Input for Keyboard Navigator
23	Digital Input 2	I/Os: Digital Input for Keyboard Navigator
24	Digital Input 3	I/Os: Digital Input for Keyboard Navigator
25	Digital Output 1	I/Os: Digital Output for TECU
26	Digital Output 2	I/Os: Digital Output for TECU

C1000 connector.



31 pin armrest connector. The armrest harness with have the Rx, Tx and Ground wires. Wire into the 31 pin on pins 12, 13 and 14. As described above. You may need AG521699 wire ends to fit the 31 pin connector.

Once you have the trimble set for NMEA output, and connected you will need to set up the C1000

21. Setup C1000 display. Select Task Controller (TC). {Figure 21}
22. Highlight and select a TC container by scrolling then pressing encoder (wheel) button on RH side of C1000 display. {Figure 21}

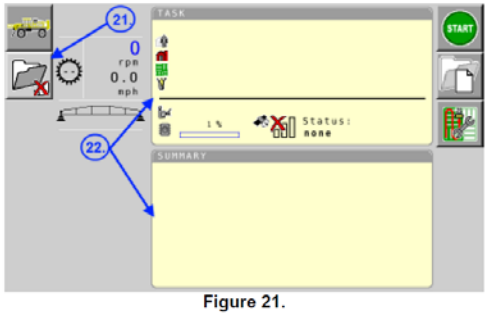


Figure 21.

23. Select *Setup*.{Figure 22}

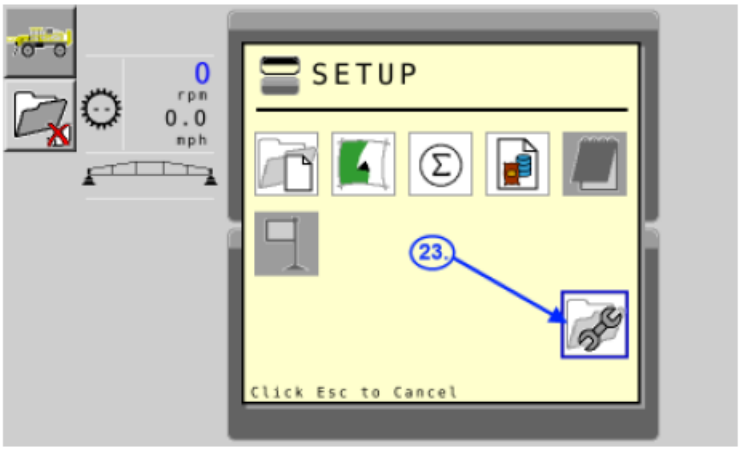


Figure 22.

24. Select *GPS Setup*.{Figure 23}

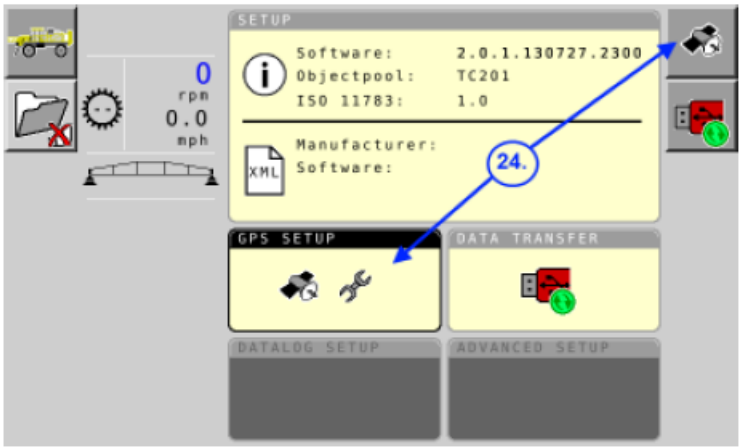


Figure 23.

25. Ensure *Enable Serial GPS* is selected. Then, set: *Baud Rate = 19200;Data Mode = 8N1;COM Port = COM 1* as shown in {Figure 24}

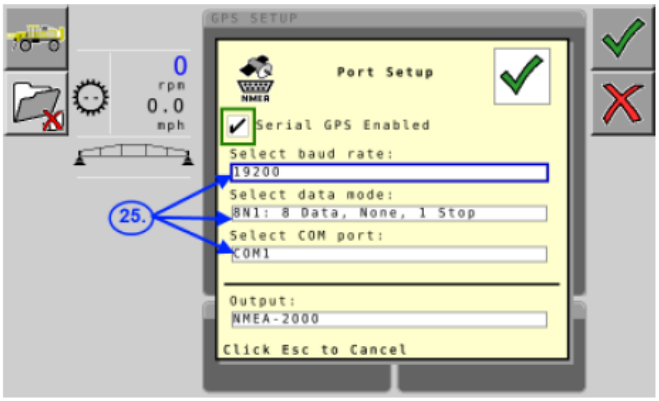


Figure 24.

Make sure the baud rate out of the Trimble and the baud rate on the C1000 are set the same. If it does not communicate try changing the setting in the C1000 and then change it back to the correct baud rate.

The C1000 should then transmit the GPS and NMEA out on the ISO bus for the ISO implement to allow use of section control.