COM Port GS1 Cable Kit

P/N: OBK-S-GS1

Overview

The Outback-S can be used as a position receiver for GreenStar combine yield mapping systems. Use this cable kit to connect older systems with a silver wedge-box mapping processor located behind the seat.

Kit Contents

The GS1 cable kit includes a 5ft serial cable with proper connectors for older style GreenStar systems along with installation instructions. Configuration of the proper Outback-S NMEA messages is supported directly on the Outback-S console with application version 2.0 and above.

Cable Connection

At the mapping processor, peel back the plastic split-loom conduit. Approximately 12" back, will be 3 wires that come to an end. Each wire has circuit code numbers stamped directly on the wires. Connect the wire coded CC20 (Ground) to the interface cable black wire using the insulated butt crimp terminal provided. Similarly, connect the wire coded CC967 (Signal) to the interface cable red wire.

Re-install the plastic split-loom conduit, route the interface cable and connect the other end to the COM port on the Outback-S receiver.

Required Communication Protocol

For successful communication between the Outback-S console and the GreenStar yield mapping processor, use 4800 Baud with NMEA messages GGA, RMC, and GSA enabled at 1 Hz. Refer to the Outback-S owner's manual for changing the default communication protocol to match these GreenStar requirements.

GreenStar Communication Requirements

Baud Rate	***4800***	9600	19200
NMEA Messages			
GGA	OFF	***1 Hz***	5 Hz
GLL	***OFF***	1 Hz	5 Hz
VTG	***OFF***	1 Hz	5 Hz
GSV	***OFF***	1 Hz	
RMC	OFF	***1 Hz***	5 Hz
GSA	OFF	***1 Hz***	
ZDA	***OFF***	1 Hz	5 Hz
GST	***OFF***	1 Hz	
RTCM Message	***OFF***	ON	

Serial Data Format: Data Bits=8, Stop Bits=1, Parity=None, Flow Control=None

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