

8.5 | NMEA 0183

NMEA 0183 Serial (RS232) capable receivers can be connected to the **COMMAND** system.

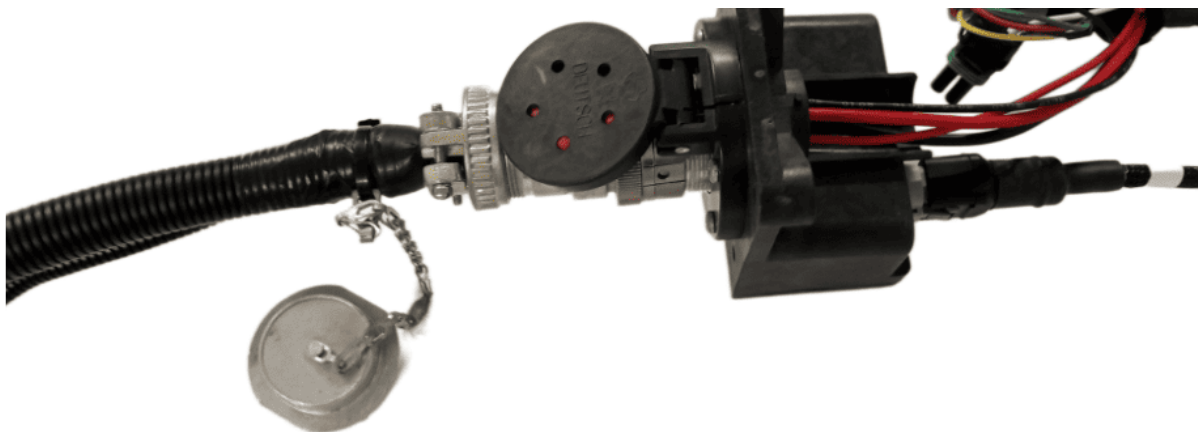
IMPORTANT: If the GNSS receiver does not provide terrain compensation, an IMU must be installed to maintain accuracy.

Parts Required

- **BPF11284** - Front Extension Harness (10m)
- **PF81137** - Implement Pigtail Terminator Wiring Harness
- **T3H-S001** - COMMAND Impl Adapter – Stub Junction
- **T3H-G001 / T3H-G007** - COMMAND NMEA Extension Harness (8m or 12m)
- **Custom GNSS Adapter** - Custom adapter for connection of the NMEA 0183 Serial compatible receiver to the **T3H-S001** and **T3H-G001/G007** adapters.

Connection Process

1. Connect the John Deere Front Extension Harness to the ISOBUS breakway connector.
2. Route along the implement, allowing slack at pivot points and avoiding snag hazards.



3. Connect

the **T3H-S001** adapter to the Front Extension Harness.



3. Connect the **PF81137** Implement Pigtail Terminator to the Implement Receiver Wiring Harness and secure the terminator to the implement receiver wiring harness.



4. Connect the **CUSTOM** adapter to the **T3H-S001** adapter.

5. Connect the **CUSTOM** adapter to the receiver's port ensuring connector keys are lined up.
6. Connect the NMEA extension harness **T3H-G001** or **T3H-G007** to the **CUSTOM** adapter, then connect the other end to the **T3H-C005** external breakout harness.

Receiver Configuration

Perform necessary setup of the GNSS receiver using provided manufacturer tools or programs:

- Talker ID should be set to GP or GN
- Messages enabled - GGA, GSA, VTG
- Output Update rate - 10Hz recommended
- Baud Rate - 38400

Verify:

- Receiver powers on
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