Sentinel Flow Module Setup and Configuration
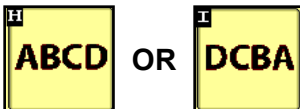## Addressing Sentinel Flow Modules

 ⇨ ⇨ ⇨ Flow Module Diag

Flow Module Diagnostics

To address the Sentinel flow modules, start by having all the modules plugged in. From this screen, push **Reset All Addresses**. This sends a message to the modules to erase their address. All modules for Product 1 are then unplugged and then plugged back in, in order across the machine. As each module is plugged in, Sentinel identifies its location on the machine and the module is then given its new address and it will turn green on the screen. *Have someone watch this screen to be sure each module is recognized as it is plugged in.*

If there is a problem with modules not addressing, be sure the tractor is running to keep the voltage up.

Once all modules are addressed, choose the proper **orientation** as described below.
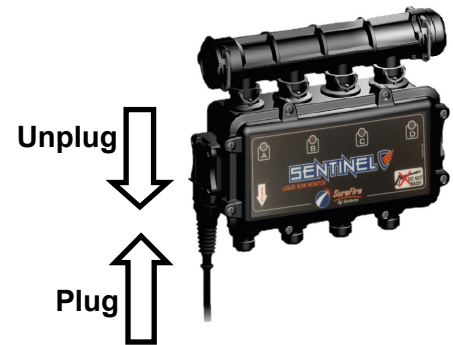
Repeat for each Product.

Flow Module Diagnostics Screen

Legend
- Expected but no Communication
- Expected and communicating
- Not expected
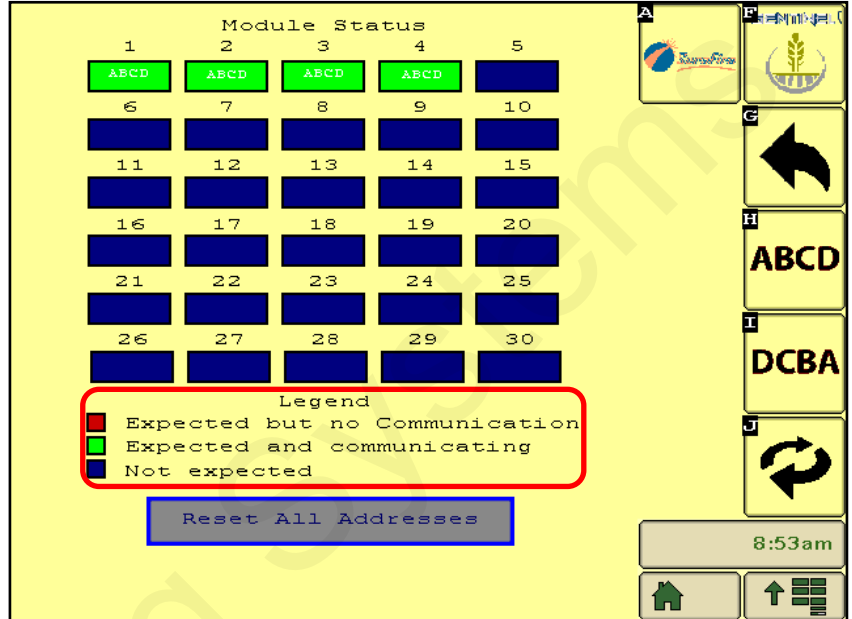
Reset All Addresses

8:53am

 OR

Most machines will have the modules mounted facing forward, causing Row 1 to correspond with row D on the module. Therefore, the orientation DCBA must be selected. Likewise, if the modules are mounted rear-facing, the orientation ABCD will be selected.
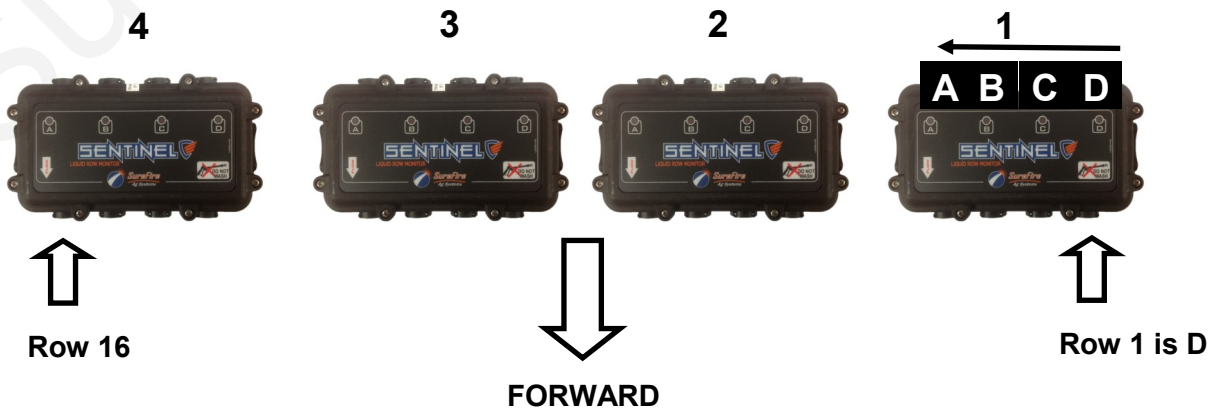
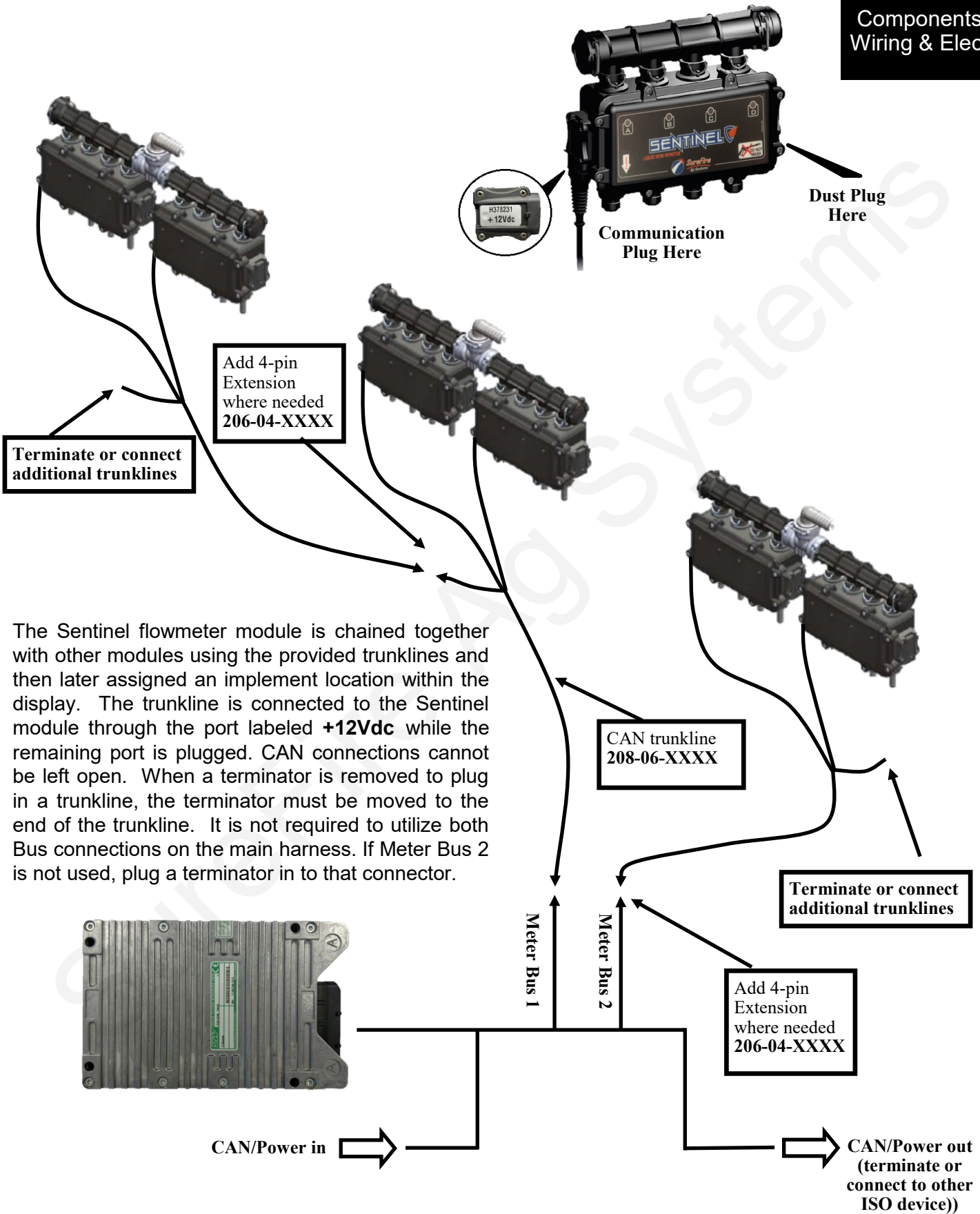Press the toggle button to go to the next page of modules if needed.

Unplug

Plug

Example 16-Row—D C B A Orientation

4   3   2   1

A B C D

Row 16   FORWARD   Row 1 is D

SureFire Harness Layout for ISO Sentinel

Communication Plug Here

Dust Plug Here

H378231
+12Vdc

Add 4-pin Extension where needed 206-04-XXXX

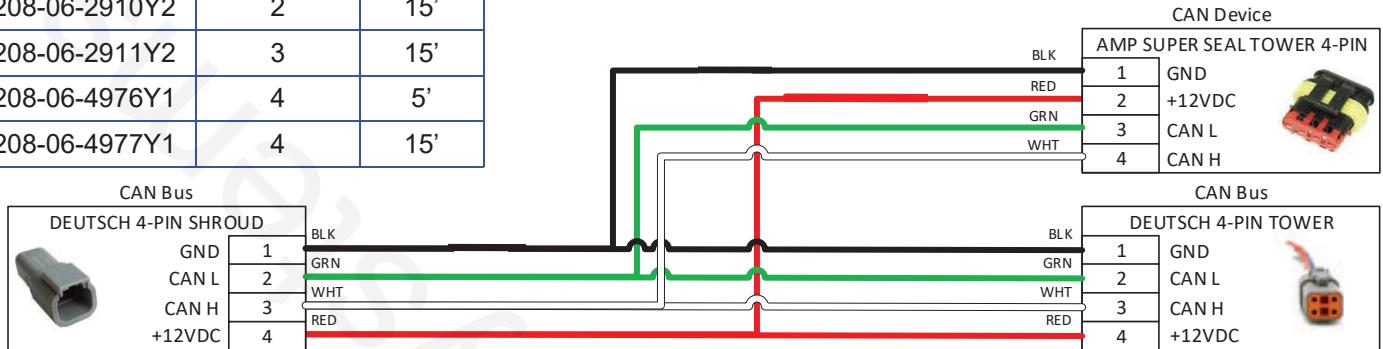**Terminate or connect additional trunklines**

The Sentinel flowmeter module is chained together with other modules using the provided trunklines and then later assigned an implement location within the display. The trunkline is connected to the Sentinel module through the port labeled **+12Vdc** while the remaining port is plugged. CAN connections cannot be left open. When a terminator is removed to plug in a trunkline, the terminator must be moved to the end of the trunkline. It is not required to utilize both Bus connections on the main harness. If Meter Bus 2 is not used, plug a terminator in to that connector.

CAN trunkline 208-06-XXXX

Terminate or connect additional trunklines

Meter Bus 1

Meter Bus 2

Add 4-pin Extension where needed 206-04-XXXX

CAN/Power in

CAN/Power out (terminate or connect to other ISO device))

4-Pin Deutsch CAN Trunklines to 4-Pin AMP SuperSeal to connect Sentinel Flowmeter Modules

Part #	Number of flowmeter connectors	Length
208-06-2908Y2	1	5'
208-06-2909Y2	1	15'
208-06-4975Y1	2	5'
208-06-2910Y2	2	15'
208-06-2911Y2	3	15'
208-06-4976Y1	4	5'
208-06-4977Y1	4	15'

CAN Device
+ 12v between 2&1.
1.5 to 2.5 v between 3&1.
+2.5 to 3.5v between 4&1.

2908 and 2909 with one Device connector

CAN Device

AMP SUPER SEAL TOWER 4-PIN		
BLK	1	GND
RED	2	+12VDC
GRN	3	CAN L
WHT	4	CAN H

CAN Bus

DEUTSCH 4-PIN SHROUD		
GND	1	BLK
CAN L	2	GRN
CAN H	3	WHT
+12VDC	4	RED

CAN Bus

DEUTSCH 4-PIN TOWER		
BLK	1	GND
GRN	2	CAN L
WHT	3	CAN H
RED	4	+12VDC

4975 and 2910 with two Device connectors

CAN Device

AMP SUPER SEAL TOWER 4-PIN		
BLK	1	GND
RED	2	+12VDC
GRN	3	CAN L
WHT	4	CAN H

CAN Device

AMP SUPER SEAL TOWER 4-PIN		
BLK	1	GND
RED	2	+12VDC
GRN	3	CAN L
WHT	4	CAN H

CAN Bus

DEUTSCH 4-PIN SHROUD		
GND	1	BLK
CAN L	2	GRN
CAN H	3	WHT
+12VDC	4	RED

CAN Bus

DEUTSCH 4-PIN TOWER		
BLK	1	GND
GRN	2	CAN L
WHT	3	CAN H
RED	4	+12VDC
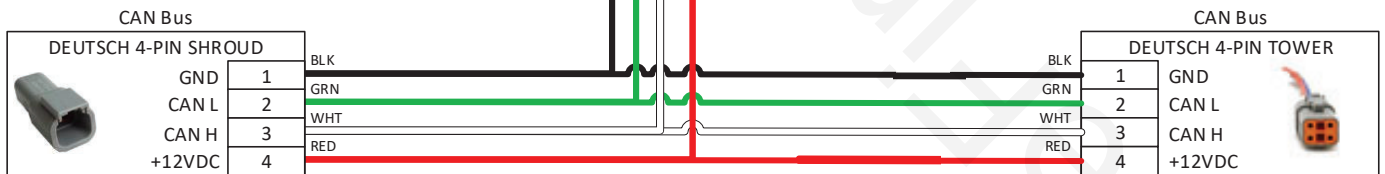
CAN Bus
+ 12v between 4&1.
+2.5 to 3.5v between 3&1.
+1.5 to 2.5v between 2&1.

2911 is similar to the above, but with three Device connectors.

4976 and 4977 are similar to the above, but with four Device connectors.

The Deutsch 4-pin Tower CAN Bus connector (bottom right of each drawing above) is plugged into another trunkline or, if it is the last trunkline, it is plugged into a Terminator.