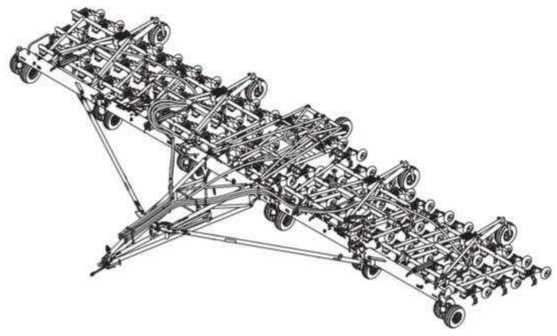


NEW HOLLAND
P2070
Precision Air Hoe Drill

SERVICE MANUAL

PARTS

87492450 3/10
1st Printing

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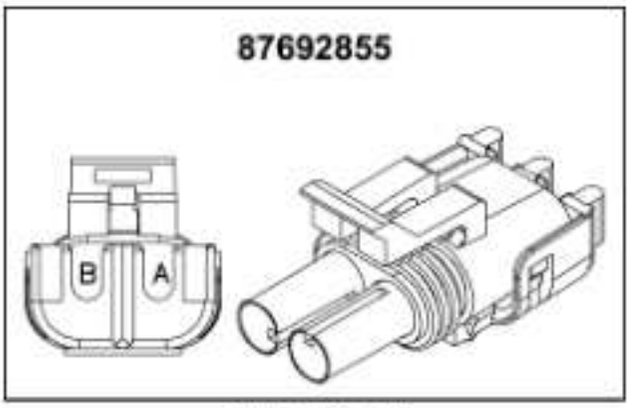
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X-127 - Valve 3D

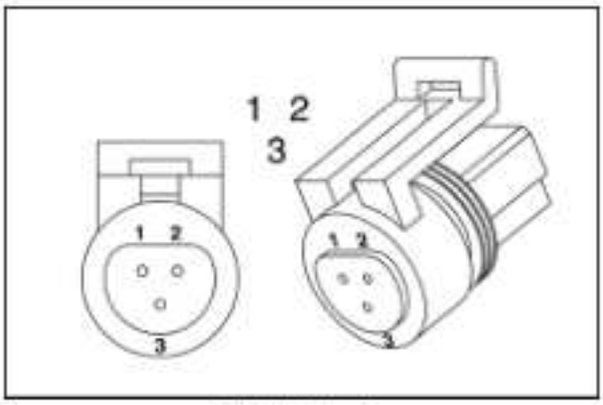


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ELECTRONIC SYSTEM - Electrical schematic frame 10 (A.50.A)

Cavity/Pin	Circuit ID	Circuit Description	Next Connection
A	42A U-1.0	VALVE 3D CNTL	
B	10P B-1.0	GND	

X-128 - Hyd Pres 3



RCLSS_19845AA1 14

ELECTRONIC SYSTEM - Electrical schematic frame 09 (A.50.A)

Cavity/Pin	Circuit ID	Circuit Description	Next Connection
A	19D B-0.75	SEN_GND	
B	20D R-0.75	+5V_EXT	
C	31A G-0.75	HYD PRESSURE 3 SIG	

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Turn system power on.

A. Fault 520203-3 is active. Go to Step **3**.

B. Fault 530203-3 is inactive. Connect one bus segment/node at a time. When fault 530203-3 occurs, follow the troubleshooting for the segment/node that was just connected.

3. Check if the CAN_L circuit in the PHD implement harness is shorted to a voltage greater than **2.7 V**:

   Measure the CAN_H circuit voltage with respect to ECU_GND within the PHD implement harness(es).

   The CAN_L circuit is located at the following connectors:

   X-101
   X-107
   X-110
   X-111
   X-132 (TBH only)

   Locate and repair any shorts to a voltage greater than **2.7 V**.
   Cycle system power or reset the PHD Rate ECU.

   A. Fault 520303-3 is active. Go to Step **4**.

   B. Fault 530203-3 is inactive. Continue operation.

4. Replace terminator at rear of implement bus.

   Turn system power off.

   Replace terminator at rear of implement bus.

   The terminator is connected at **X-112** for a TBT seeding configuration.

   Refer to air cart documentation to determine terminator location for a TBH seeding configuration.

   Turn system power on.

   A. Fault 520203-3 is active. Go to Step **5**.

   B. Fault 530203-3 is inactive. Continue operation.

5. Replace terminator at front of implement bus.

   Turn system power off.

   Replace terminator at front of implement bus, typically located in the tractor. Refer to tractor documentation to determine terminator location.

   Turn system power on.

   A. Fault 520203-3 is active. Go to Step **6**.

   B. Fault 530203-3 is inactive. Continue operation.

6. Replace PHD Rate ECU.

   Turn system power off.

   Remove and replace the PHD Rate ECU.

   Turn system power on.

   A. Fault 520203-3 is active. Reinstall the original PHD Rate ECU. Submit a concern through ASSIST.

   B. Fault 520203-3 is inactive. Write the fault code on the failed PHD Rate ECU. Continue operation.

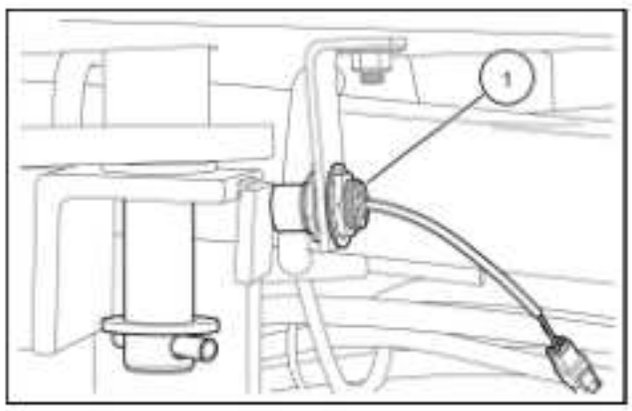
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Sensing system - Adjust The System Sensors

NOTICE: *Sensors must be mounted so that the distance between the sensor face and the target never exceeds the maximum sensing distance when the sensor is expected (is in position) to sense the target. Sensors must be mounted so the target never contacts the sensor. Be sure to consider the full range of motion of target and/or sensor mounting bracket when mounting the sensor.*

DRAW TUBE SENSOR

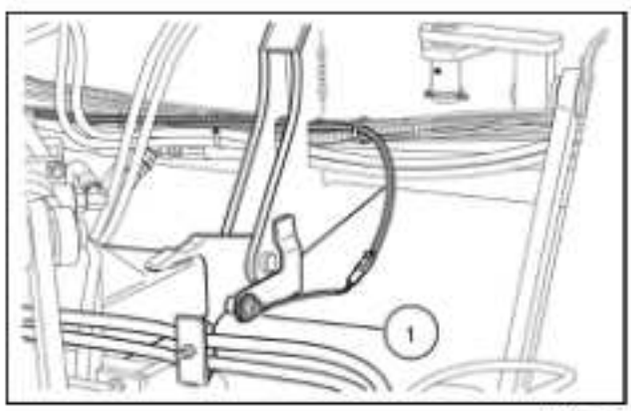
1. Check that the gap between the sensor **(1)** and the metal is **6 mm** (**0.24 in**).
2. Check and adjust the draw tube sensor in field position. This is a **30 mm** (**1.18 in**) diameter sensor. The target distance is **6 mm** (**0.24 in**), the maximum allowed distance is **12 mm** (**0.47 in**).



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TOOLBAR FRAME LOWERED SENSOR (Right Hand Side)

3. Check that the gap between the sensor and the metal is **6 mm** (**0.24 in**).
4. Check and adjust the right hand side toolbar frame sensor **(1)** when the toolbar is lowered. This is a **30 mm** (**1.18 in**) diameter sensor. The target distance is **6 mm** (**0.24 in**), the maximum allowed distance is **12 mm** (**0.47 in**).

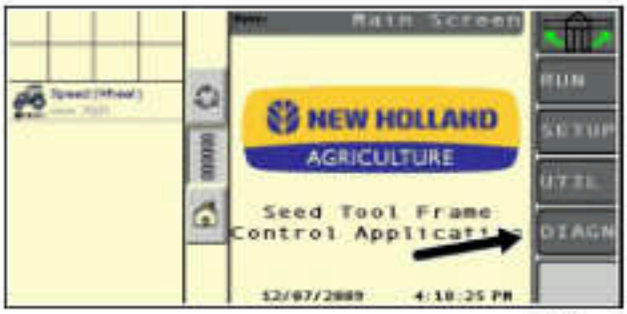


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SEEDING Electronic system - Check Diagnostics - Monitor

1. From the Main Screen select DIAGN for 'diagnostics'.

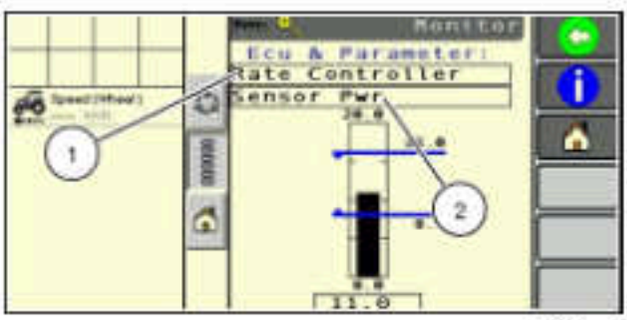


2. Select MONTR for 'monitor'.

   The Monitor screen will be displayed



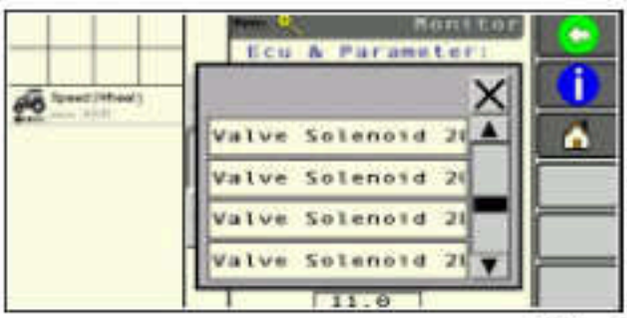
3. You can select the ECU. This will be Rate Controller **(1)**. Select the component you wish to view from the selection list **(2)**.



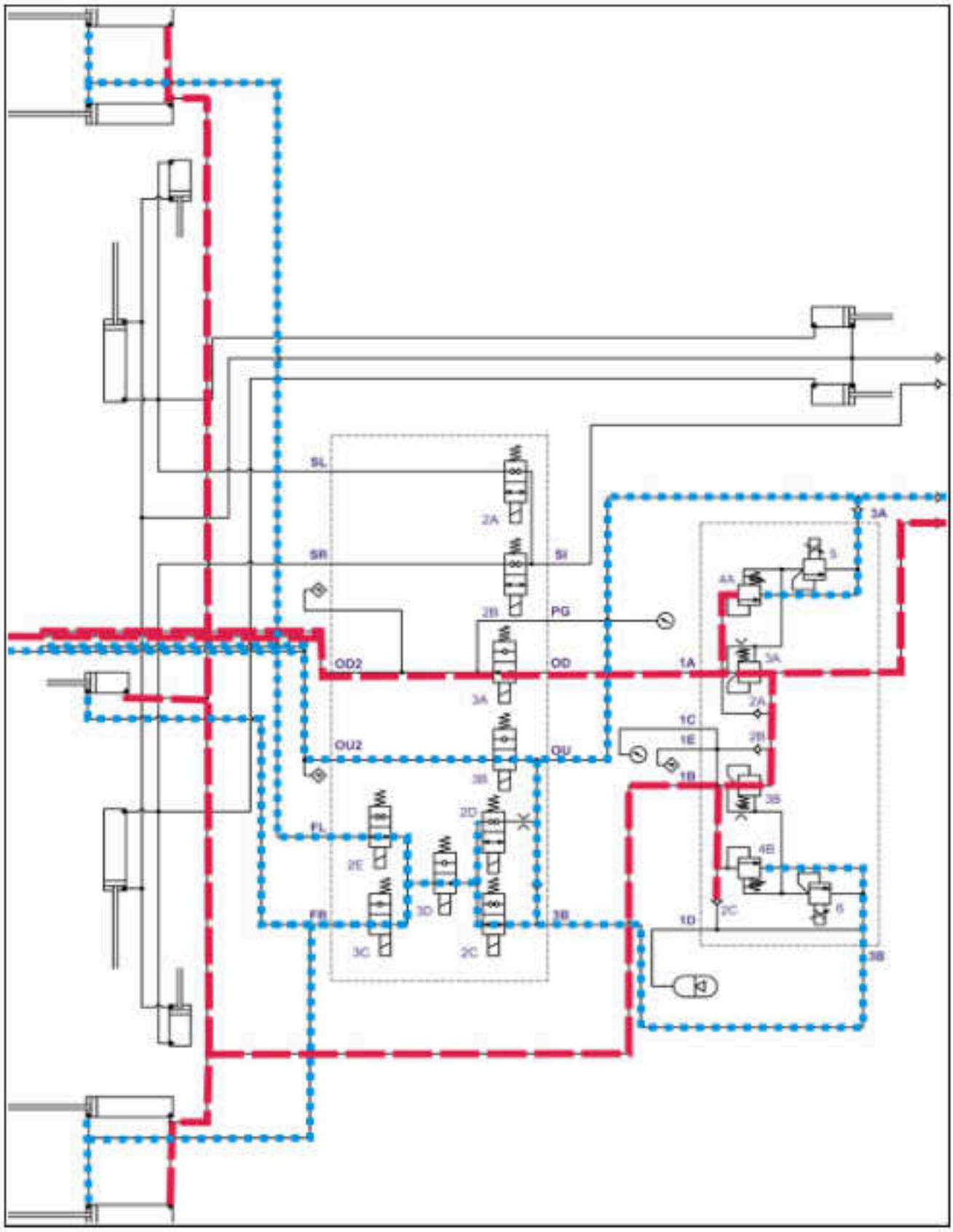
4. Choose i for extra information on the current screen at any time.



5. Pick the desired item from the scroll list.



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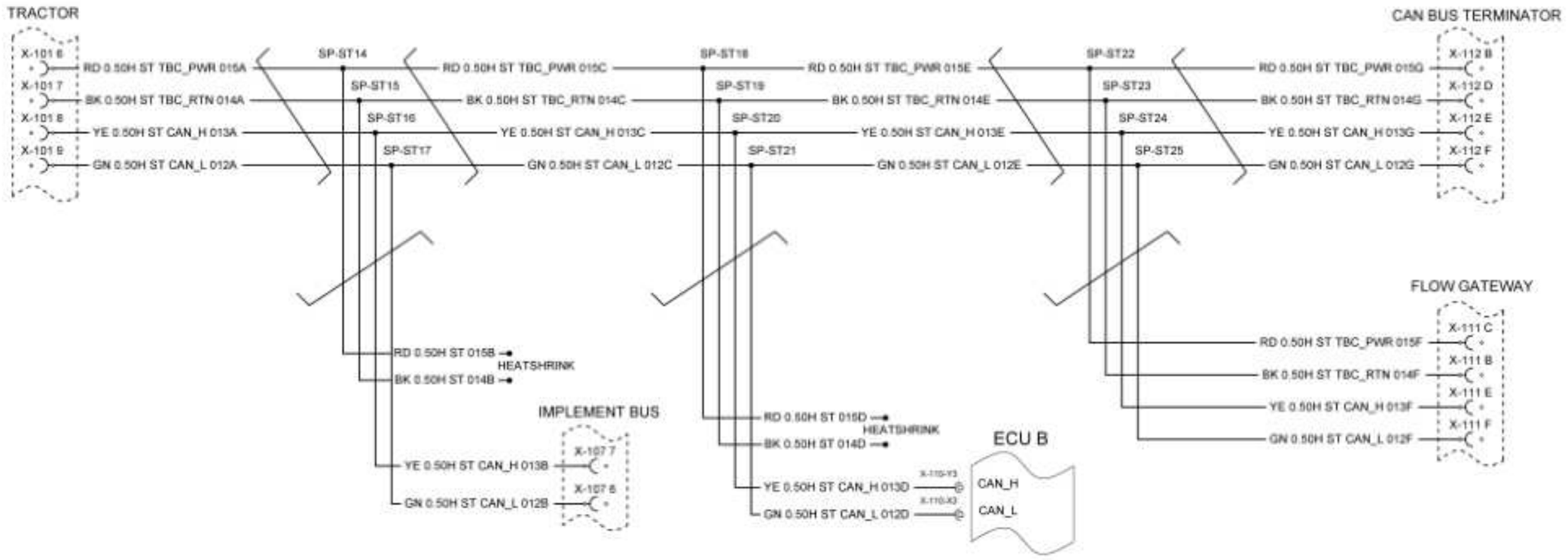


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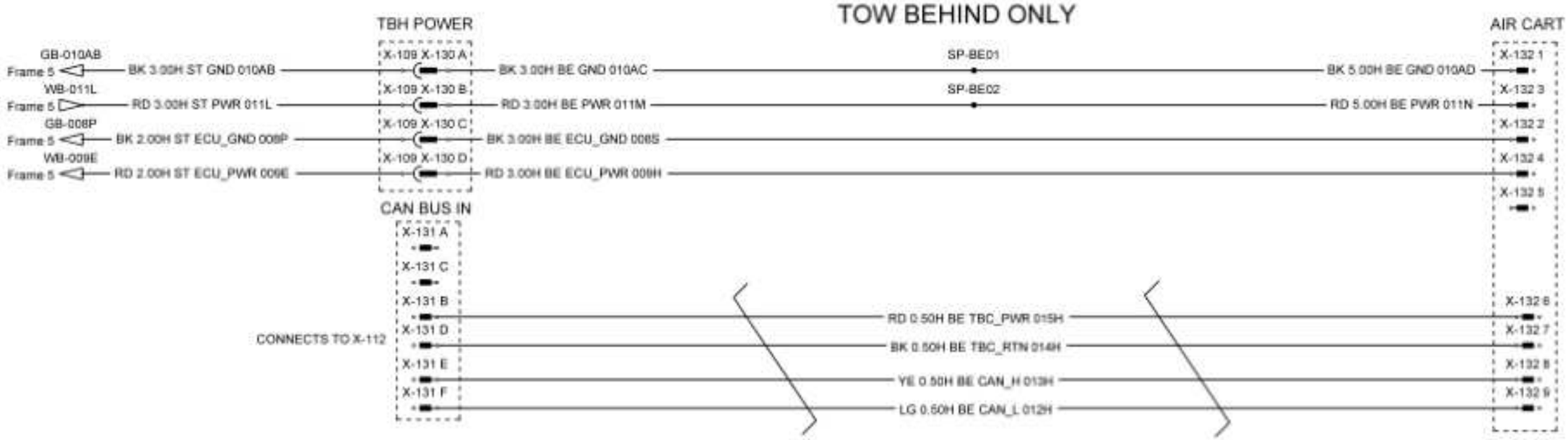
Field Position, Openers in Ground

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CAN BUS / TOW BEHIND EXTENSION



TOW BEHIND ONLY



FRAME 11

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