Early Riser® 1240
Pivot-Transport Planter

SERVICE MANUAL

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Wiring harness - Electrical schematic frame 04 4 Section - Power Connections (2011 and After)

Connector **X-001** 9-Pin Implement to Tractor
Connector **X-004** Connects Hitch harness to Toolbar harness
Connector **X-005** Connects Hitch harness to Frame harness
Connector **X-101** Connects Frame harness to Frame ECU
Connector **X-102** Connects Frame harness to Frame ECU
Connector **X-201** Connects Toolbar harness to Hitch harness
Connector **X-203** Connects Toolbar harness to Rate ECU

Connector reference:
Connector - Component diagram 01 Hitch Harness Connectors X-001 to X-0010 (A.30.A)
Connector - Component diagram 02 Frame Harness Connectors X-101 to X-113 (A.30.A)
Connector - Component diagram 04 Toolbar Harness Connectors X-201 to X-211 (A.30.A)

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Connector 1	Contact 1	Connector 2	Contact 2
X-005	B (ECU_PWR)	**X-001**	4 (ECU_PWR)
X-005	G (CAN_L)	**X-001**	9 (CAN_L)
X-005	F (CAN_H)	**X-001**	8 (CAN_H)

Cycle power.

A. Fault code 19000 is logged. Go to Step 4.

B. Fault code is not logged. Return unit to field operation.

4. Check power to the Active Terminator connector.

Clear all Frame ECU fault codes.

Turn system power OFF. Disconnect Connector **X-008** (or **X-653** with AccuRow option) from the CAN Bus Terminator.

Turn system power ON. Measure voltage between contact B (TBC_PWR) and contact D (TBC_RTN) on the CAN Bus Terminator connector . Voltage should be between **10.5 - 14.5 V**.

If voltage is not correct, run a test lead to tractor battery ground.

Measure the voltage between contact B (TBC_PWR) and tractor battery ground. Voltage should be between **10.5 - 14.5 V**.

If voltage is correct, locate and repair any open or shorted connection in the hitch harness between contact D (TBC_RTN) of the CAN Bus Terminator connector and contact 7 (TBC_RTN) of Connector **X-001**.

If voltage is not correct, locate and repair any open or shorted connection in the hitch harness between contact B (TBC_PWR) of the CAN Bus Terminator connector and contact 6 (TBC_PWR) of Connector **X-001**.

Reinstall the connector.

Turn system power ON.

A. Fault code 19000 is logged. Go to Step 5

B. Fault code is not logged. Return unit to field operation.

5. Check power at the Active Terminator in the tractor on the Farming System harness.

Clear all Frame ECU fault codes.

Turn system power OFF.

Disconnect the connector to the Active Terminator in the tractor on the Farming System harness – Connector P293 or Connector P512 typical. Refer to Farming System harness schematics in this manual for additional information.

Turn system power ON.

Measure voltage between contact 1 (DATABUS B+) and contact 3 (DATABUS GROUND) on the Active Terminator on the Farming System harness. Voltage should be between **10.5 - 14.5 V**.

If voltage is out of range, refer to the tractor Repair Manual and check the tractor electrical system.

Repair or replace circuits and components as needed.

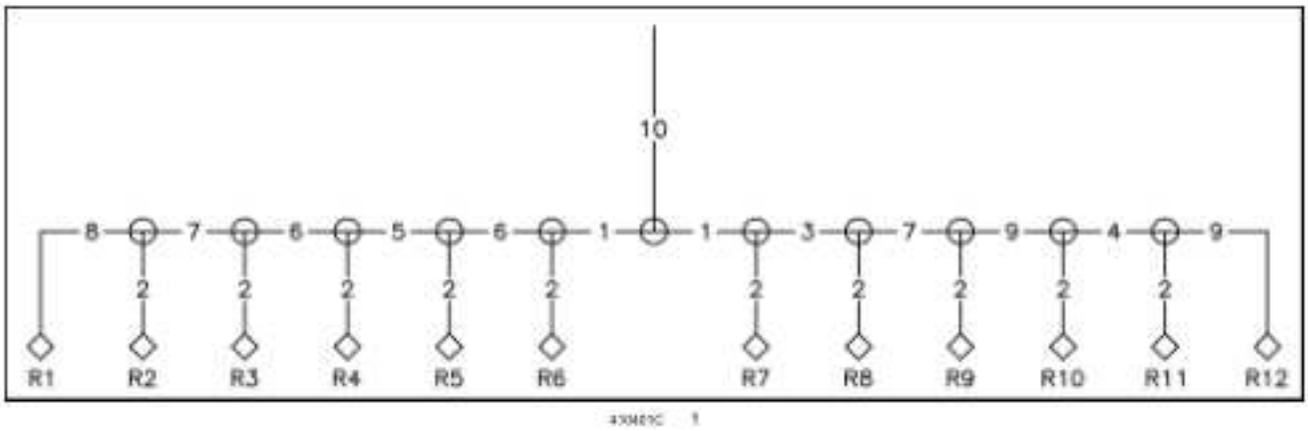
Reinstall the connector.

Turn system power ON.

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Pressure system - Component localisation Pneumatic Down Pressure Tubing Layout (ASN YAS007000)

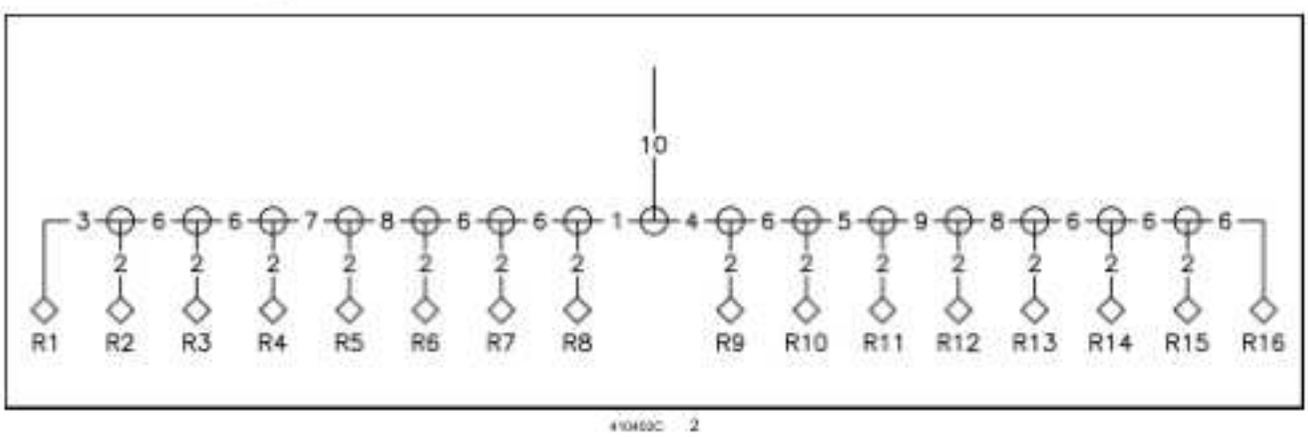
12 Row Pivot-Transport



Tee fitting (84250157) ◇ Elbow fitting (84283252)

Ref	Hose Length	Qty	Ref	Hose Length	Qty
1	385 mm (15.2 in)	2	6	760 mm (29.9 in)	2
2	200 mm (8 in)	10	7	800 mm (31.5 in)	2
3	600 mm (23.6 in)	1	8	900 mm (35.4 in)	1
4	620 mm (24.4 in)	1	9	940 mm (37.0 in)	2
5	710 mm (28.0 in)	1	10	10500 mm (413.4 in)	1

16 Row Pivot-Transport



Tee fitting (84250157) ◇ Elbow fitting (84283252)

Ref	Hose Length	Qty	Ref	Hose Length	Qty
1	265 mm (10.4 in)	1	6	760 mm (29.9 in)	8
2	200 mm (8 in)	14	7	800 mm (31.5 in)	1
3	385 mm (15.2 in)	1	8	825 mm (32.5 in)	2
4	450 mm (17.7 in)	1	9	990 mm (39.0 in)	1
5	550 mm (21.7 in)	1	10	10500 mm (413.4 in)	1

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AXLES, BRAKES AND STEERING



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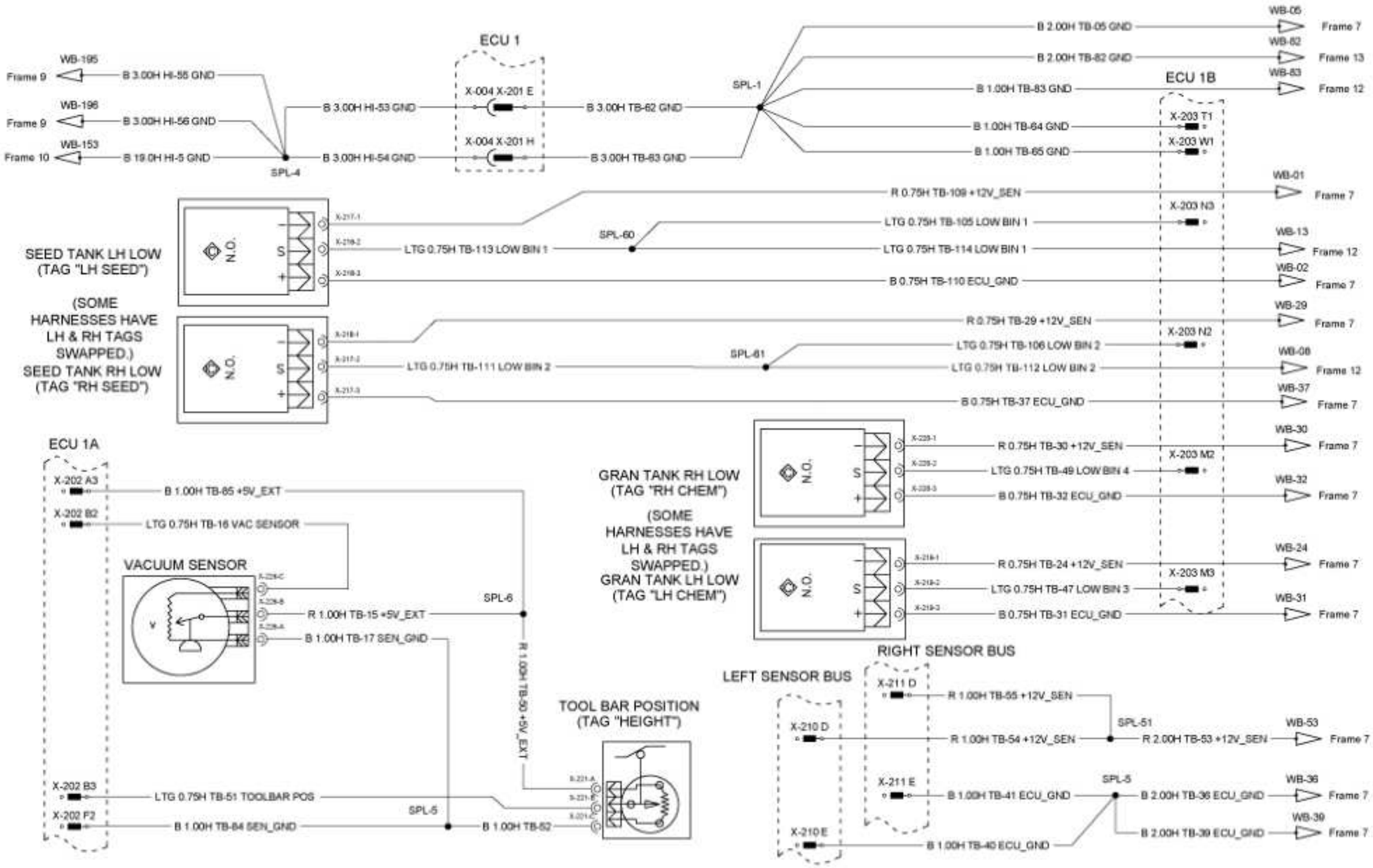
FIELD PROCESSING



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VACUUM & BIN SENSORS



FRAME 6

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