Early Riser® 1255
Front Fold Trailing Planter

SERVICE MANUAL

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CASE IH AGRICULTURE

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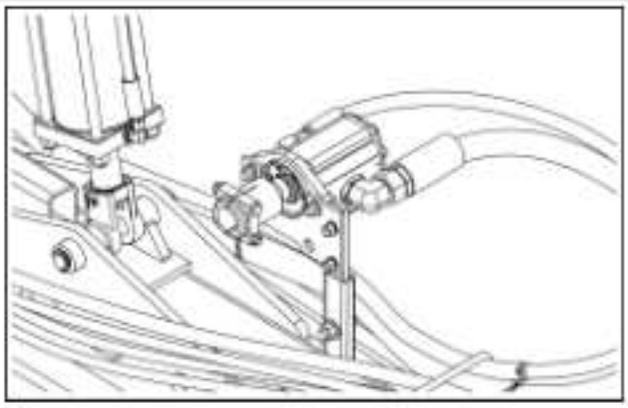
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Fixed displacement pump - General specification - 24 Row

1255 Front Fold Trailing [24R -] Row unit configuration

83 L/min (22 US gpm) PTO Pump

Conditions	L/min	US Gal/ min	Identification
• PTO operating at **1000 RPM** • Fluid at **26.6 °C (80 °F)** • Fluid at **15858 kPa (2300 psi)**	**83.3 - 89.3 L/min**	**22.0 - 23.6 US gpm**	 SAWM14PLA1139AA 1

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Wiring harnesses - Electrical schematic sheet 03 - CAN termination adaptor

1255 Front Fold Trailing [24R -] Row unit configuration

Connector **X-668** – Connects to the Toolbar harness clutch/CAN terminator connection.
Connector **X-673** – Connects to the implement CAN bus terminator.

Refer to the following sheets for schematic legend information:

Wiring harnesses - Electrical schematic sheet 01 Schematic legend, 1 of 2 (55.100)

Wiring harnesses - Electrical schematic sheet 02 Schematic legend, 2 of 2 (55.100)

Connector reference:

Wire connectors - Component diagram 66 - 24 Row - CAN terminator harness CAN TERM ADAPTOR connector X-668 (55.100)

Wire connectors - Component diagram 67 - 24 Row - CAN terminator harness CAN TERM connector X-673 (55.100)

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A. Fault code 16nn2 is logged. Go to Step 9.

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

9. Replace Rate ECU.

Turn system power OFF.

Remove and replace the Rate ECU. Install, program, set implement identification and recalibrate the system.

A. Fault code 16nn2 is logged. Reinstall the original Rate ECU. Submit a concern through ASIST.

B. Fault code is not logged again. Write the fault code on the failed controller. Return unit to field operation.

12 / 16 Row

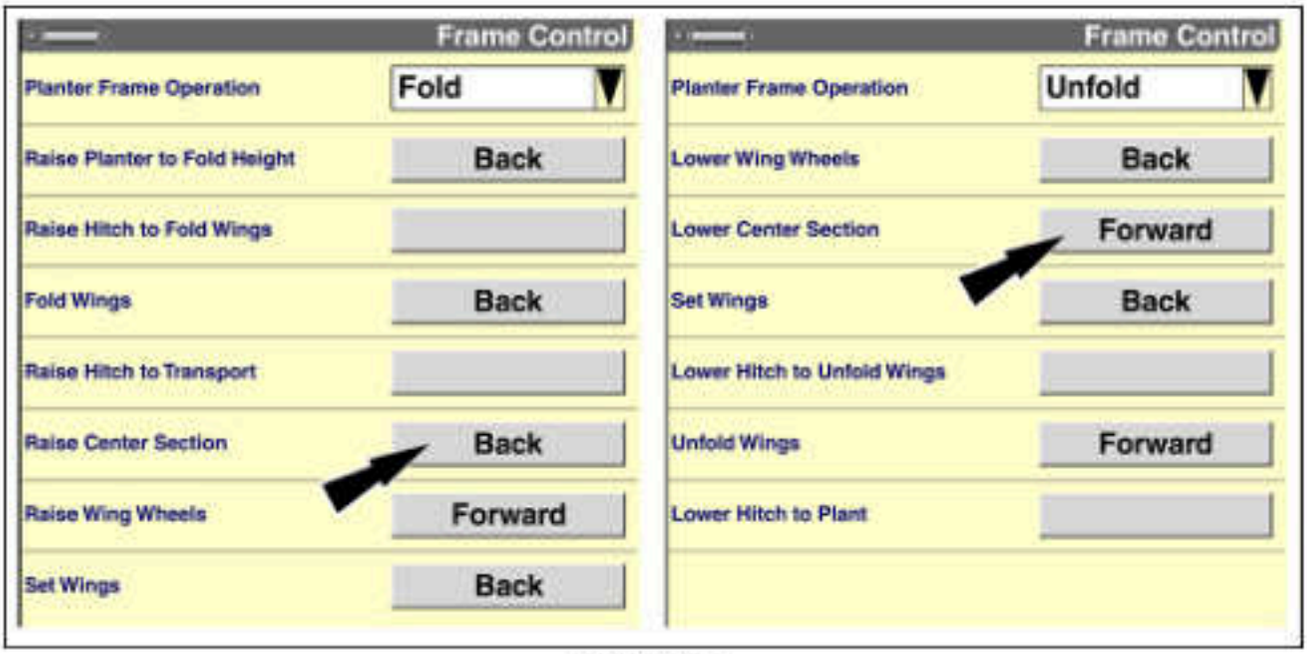
Wiring harnesses - Electrical schematic sheet 03 - Toolbar harness - 12R/16R - Power and ground connections 1 of 2 (55.100.DP-C.20.E.03)
Wiring harnesses - Electrical schematic sheet 04 - Toolbar harness - 12R/16R - Power and ground connections 2 of 2 (55.100.DP-C.20.E.04)
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24 Row

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Multi-function block valves Lift and fold - Dynamic description - Center section



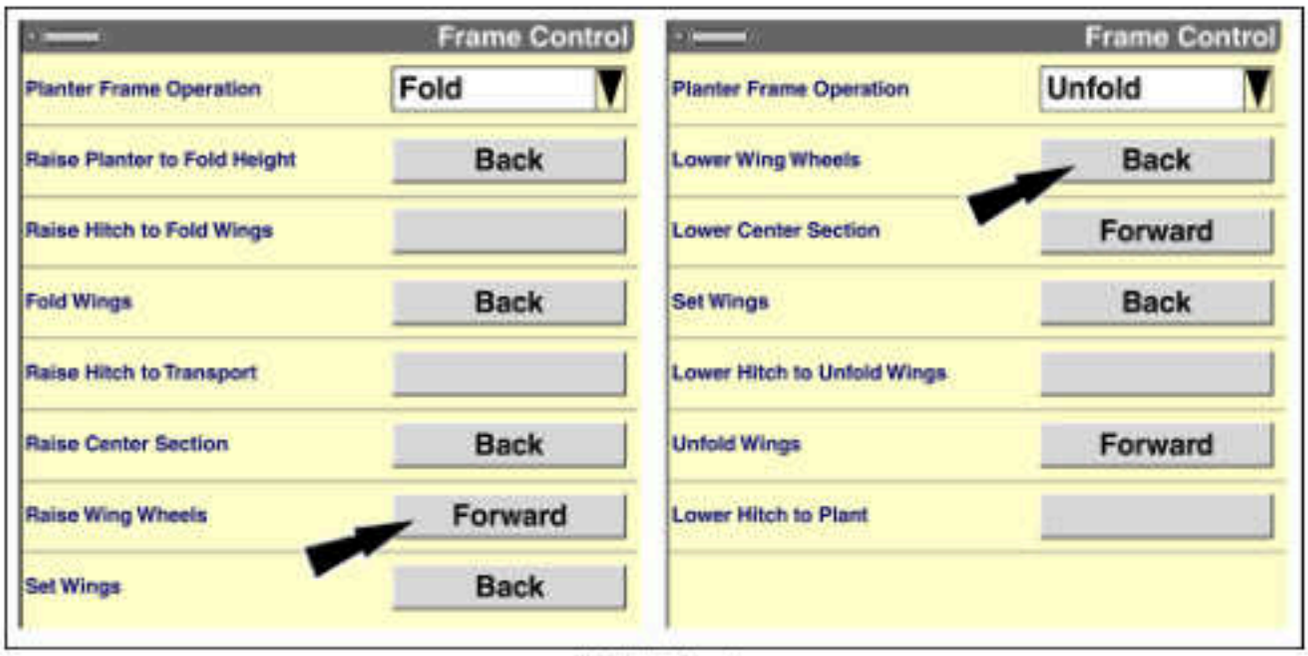
When "Unfold" or "Fold" is selected in the Frame Operation window on the Frame Control screen, only solenoid valves 6, 7, 10, 13, 14 and 17 are energized to control center section raising and lowering when the Raise Center Section or Lower Center Section buttons are pressed. The direction of flow through the lift and fold valve block determines whether the center section is raised or lowered.

Complete center section lowering circuit

Item		Component Identification
	Tag	Solenoid Valve Identification
A.	**Lift and Fold Valve** Block	
	6.	**Solenoid Valve 6**: Harness tag "6"
	7.	**Solenoid Valve 7**: Harness tag "7"
	10.	**Solenoid Valve 10**: Harness tag "10"
	13.	**Solenoid Valve 13**: Harness tag "13"
	14.	**Solenoid Valve 14**: Harness tag "14"
	17.	**Solenoid Valve 17**: Harness tag "17"
B.	Return to tractor remote valve	
C.	Supply from tractor remote system	
H.	Left hand inner center wheel master lift cylinder	
I.	Right hand inner center wheel master lift cylinder	
J.	Left hand outer center wheel master lift cylinder	
K.	Right hand outer center wheel master lift cylinder	
P.	**Flow Divider Valve**	
Q.	**LH Counter Balance Valve**	
R.	**RH Counter Balance Valve**	

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Multi-function block valves Lift and fold - Dynamic description - Wing wheels



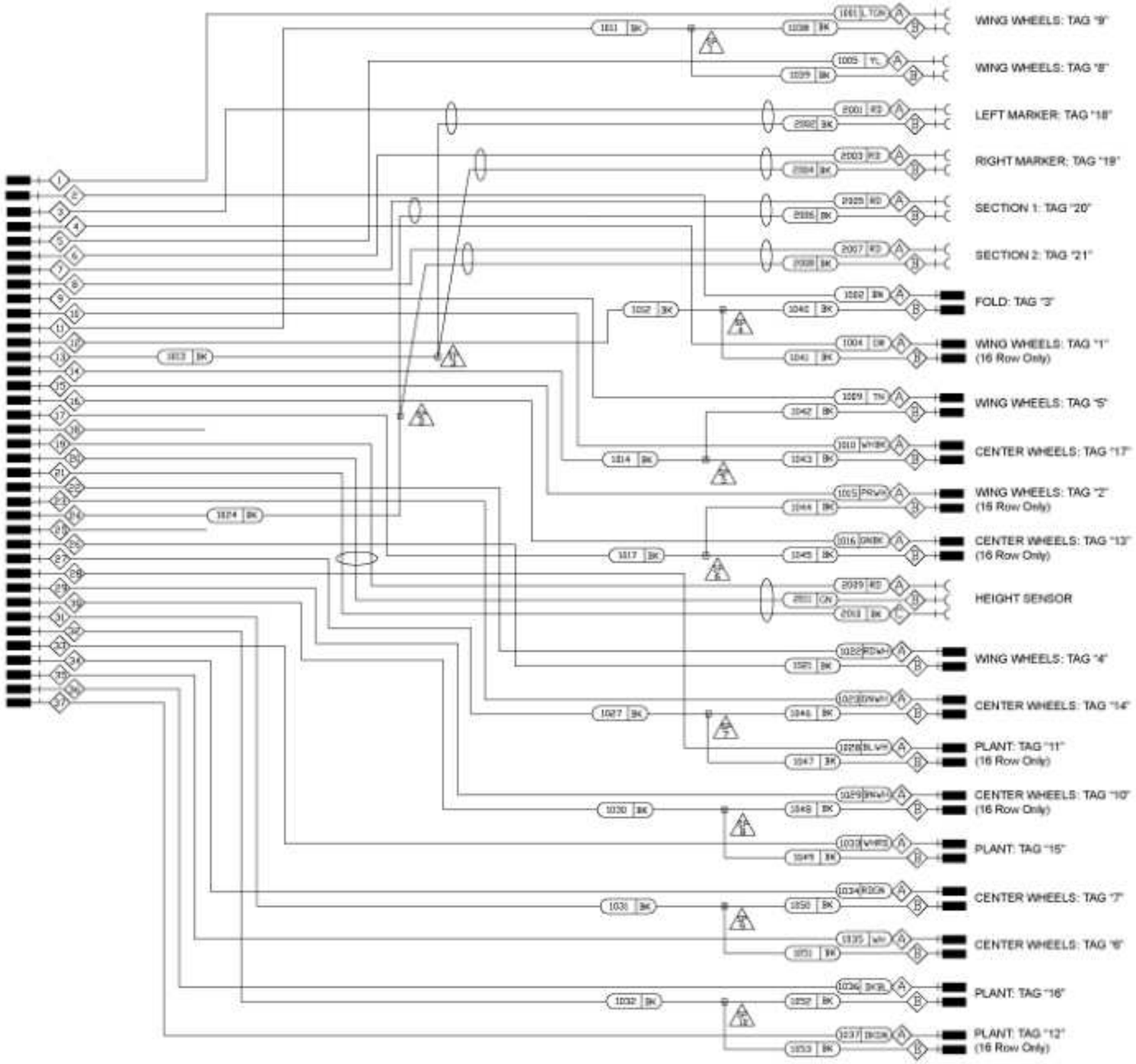
When "Fold" or "Unfold" is selected in the Frame Operation window on the Frame Control screen, only solenoid valves 1, 2, 4, 5, 8 and 9 are energized to control wing raising and lowering when the Raise Wing Wheels or Lower Wing Wheels buttons are pressed. The direction of flow through the lift and fold valve block determines whether the center section is raised or lowered.

Complete wing wheel lowering circuit

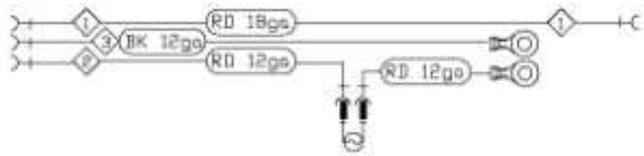
Item		Component Identification
	Tag	Solenoid Valve Identification
A.	**Lift and Fold Valve** Block	
	1.	**Solenoid Valve 1**: Harness tag "1"
	2.	**Solenoid Valve 2**: Harness tag "2"
	4.	**Solenoid Valve 4**: Harness tag "4"
	5.	**Solenoid Valve 5**: Harness tag "5"
	8.	**Solenoid Valve 8**: Harness tag "8"
	9.	**Solenoid Valve 9**: Harness tag "9"
B.	Return to tractor remote valve	
C.	Supply from tractor remote system	
L.	Left hand inner wing lift slave cylinder	
M.	Right hand inner wing lift slave cylinder	
N.	Left hand outer wing lift slave cylinder	
O.	Right hand outer wing lift slave cylinder	

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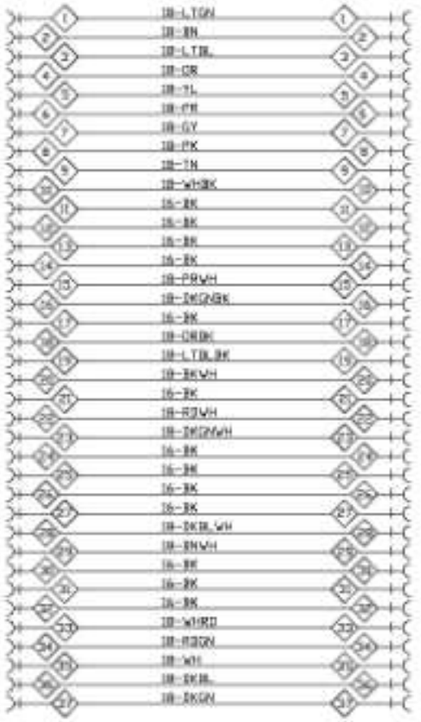
HITCH HARNESS

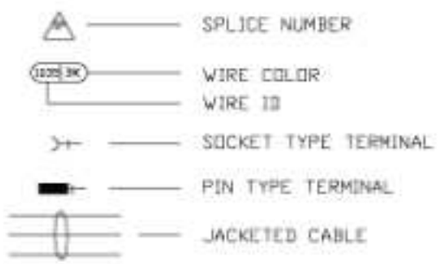


POWER HARNESS



FRAME CONTROL HARNESS





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