40 Series
50 Series
Air Cart

Service Manual

GI-090V1 1/05

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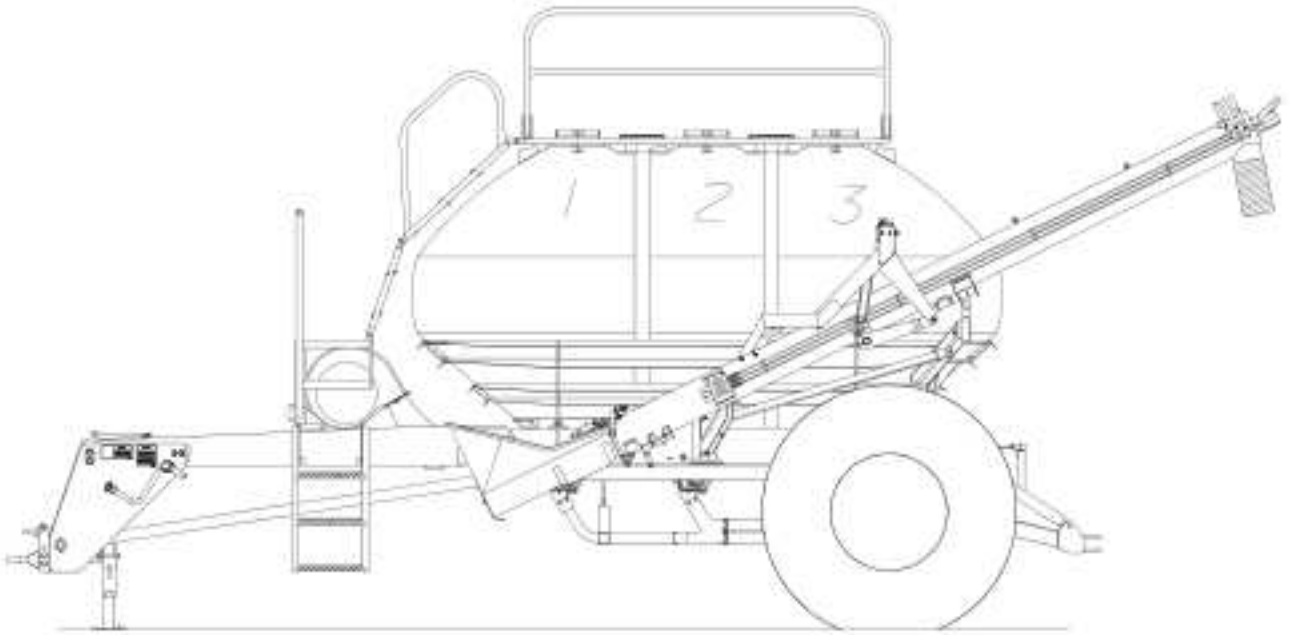
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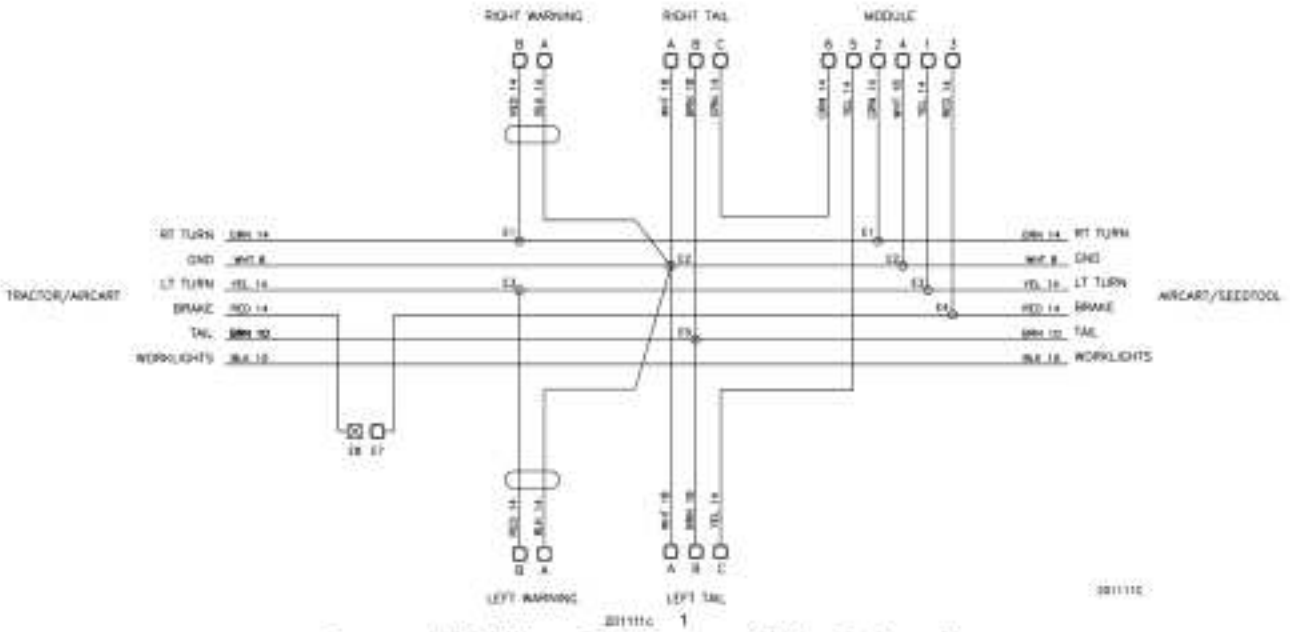
Tow Between 3450, 3850 and 4350 Bushel Air Cart Dimensions

Configuration	3450	3850	4350
Length (with auger)	8.94 m (29 ft 4 in)	8.94 m (29 ft 4 in)	8.94 m (29 ft 4 in)
Height	4.55 m (14 ft 1 in)	4.55 m (14 ft 1 in)	4.65 m (15 ft 3 in)
Volume 100 %			
Front	5955 L (169 Bu)	5955 L (169 Bu)	6554 L (186 Bu)
Center	3277 L (93 Bu)	3277 L (93 Bu)	3594 L (102 Bu)
Rear	3453 L (98 Bu)	4158 L (118 Bu)	5004 L (142 Bu)
Weight - Empty	4910 kg (10 820 lb)	4940 kg (10 880 lb)	5030 kg (11 090 lb)
Weight - Loaded	14 130 kg (31 150 lb)	15 230 kg (33 580 lb)	16 680 kg (36 780 lb)
Rear Axle - Empty	3730 kg (8220 lb)	3870 kg (8530 lb)	3940 kg (8690 lb)
Rear Axle - Loaded (Estimate)	11 190 kg (24 670 lb)	11 870 kg (26 160 lb)	13 050 kg (28 760 lb)
Front Hitch / Axle - Empty	1180 kg (2600 lb)	1070 kg (2350 lb)	1090 kg (2400 lb)
Front Hitch / Axle - loaded (Estimate)	2970 kg (6550 lb)	3370 kg (7420 lb)	3640 kg (8020 lb)

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LIGHTING SYSTEM - Electrical schema (A.40.A - C.20.A.40)

3450, 3850, 4350



Transport Lighting- Cart Harness Wiring Schematic

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Auger - Troubleshooting (L.10.B.53 - G.40.A.10)

1740, 2340, 2640, 3450, 3850, 4350

Problem	Possible Cause	Correction
Auger will not operate.	No oil supply to auger motor.	Ensure oil flow is in the correct direction.
	Hydraulic control levers returned to neutral.	Secure tractor control lever in operating position. Ensure auger control lever is engaged.
	Faulty auger spool valve.	Service the spool valve.
	Auger motor is seized.	Service the auger motor. Replace if necessary.
	Product feed rate is too high.	Decrease the product feed rate.
	Auger flighting is jammed.	Clear flighting of product or obstruction.
	Flighting drive pin is sheared.	Replace the drive pin.
	Insufficient hydraulic oil pressure.	Operate the tractor above idle speed.
	Pressure valve not closed (variable drive carts).	Close valve.
Excessive auger vibration.	Auger hopper bushing worn out.	Service the lower shaft and bushing.
	Flighting being operated at too high a speed.	Reduce the auger speed.
	Faulty/damaged flighting.	Replace the flighting.
	Auger flighting is bent.	Replace the flighting.
	Damaged auger tube.	Straighten or replace tubing.
Auger loose in rear support.	Alignment pin is out of adjustment.	Ensure the alignment pin is mating with the rear support.
Auger will not stay in position while filling.	Auger lock adjustment is too loose.	Tighten adjustment nut.
Auger hopper will not rotate freely.	Guard clamping is too tight.	Shim the guard up.
	Pivot is fouled.	Disassemble, clean, and reassemble.
Auger flighting not turning.	Auger shaft bolts shearing between the motor and the shaft.	Replace the auger shaft bolts.
Auger drive load is too heavy.	Auger motor is seized.	Service the auger motor. Check relief pressure on valve and replace if necessary.
	Product feed rate is too high.	Decrease the product feed rate.
	Auger flighting is jammed.	Clear flighting of obstruction.

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