3560 / 4460 / 4660 / 5560 / 5860 / 7660 / 9560

Air Cart

SERVICE MANUAL

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Contents

INTRODUCTION

Front axle system 25

[25.400] Non-powered front axle 25.1

Rear axle system 27

[27.550] Non-powered rear axle 27.1

Brakes and controls 33

[33.202] Hydraulic service brakes 33.1

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.912] Hydraulic seeding fan system 35.2

[35.744] Seeding and planting hydraulic circuits 35.3

[35.870] Auxiliary tank fill system hydraulic control 35.4

Frames and ballasting 39

[39.110] Drawbar and hitch assembly 39.1

Wheels 44

[44.520] Rear wheels 44.1

[44.901] Caster wheels 44.2

Electrical systems 55

[55.000] Electrical system 55.1

[55.100] Harnesses and connectors 55.2

[55.301] Alternator 55.3

[55.302] Battery 55.4

[55.404] External lighting 55.5

[55.516] Seeding control system 55.6

[55.517] Cab seeding controls 55.7

[55.545] Auger 55.8

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[55.640] Electronic modules 55.9
[55.785] Precision farming system 55.10
[55.DTC] FAULT CODES 55.11
Metering system 61
[61.904] Product metering 61.1
Seeding 77
[77.100] Product handling and delivery drive system 77.1
[77.101] Seeding fan system 77.2
[77.150] Auxiliary tank fill system 77.3
[77.904] Air distribution system 77.4
Platform, cab, bodywork, and decals 90
[90.108] Decals and plates 90.1
[90.110] Operator platform less cab 90.2
[90.118] Protections and footboards 90.3

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			Tire Size	Single/ Dual	Wheel bolt torque
4660	Front	Base	18.4-38 R1 TD19	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
		High flotation	650/75R38 SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
5560	Rear	Base	900/60R32 CHO SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
		High flotation	650/75R38 SFT	Dual	931 N·m +/- 140 N·m (687 lb ft +/- 103 lb ft)
7660	Front	Base	650/75R38 SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
		High flotation	800/70R38 SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
	Rear	Base	800/70R38 CHO SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
		High flotation	800/70R38 SFT	Dual	931 N·m +/- 140 N·m (687 lb ft +/- 103 lb ft)
9560	Front	Base	800/70R38 SFT	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
	Rear	Base	800/70R38 SFT	Dual	931 N·m +/- 140 N·m (687 lb ft +/- 103 lb ft)
		High flotation	800/70R38 CHO SFT	Dual	931 N·m +/- 140 N·m (687 lb ft +/- 103 lb ft)

Row crop and controlled traffic tire option

Row crop rear dual

		Tire Size	Single/Dual	Wheel bolt torque
3560	Tow-between Tow-behind	480/80R42 151A8 AC85	Dual	931 N·m +/- 140 N·m (687 lb ft +/- 103 lb ft)

Row crop and controlled traffic front

		Tire Size	Single/Dual	Wheel bolt torque
3560	Tow-behind	380/90R46 159A8 AC85	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
4460	Tow-behind	380/90R46 159A8 AC85	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)
4660	Tow-behind	380/90R46 159A8 AC85	Single	441 N·m +/- 66 N·m (325 lb ft +/- 49 lb ft)

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Wiring harnesses - Electrical schematic sheet 05 10 motor harness (1 per tank) - 555 Bu and 580 Bu tow behind

5560	
5860	

Type	Component	Connector / Link	Description
Dust cap	**DC-411**	DC-411	DUST CAP / LOOP PLUG FOR X-411
Dust cap	**DC-416**	DC-416	DUST CAP / LOOP PLUG FOR X-416
Dust cap	**DC-420**	DC-420	DUST CAP / LOOP PLUG FOR X-420
Ground	**GND-001**	**X-423**	PIPE GROUND
Ground	**GND-002**	**X-424**	PIPE GROUND
Ground	**GND-003**	**X-425**	SUB-HOPPER FRAME GROUND
Connector	X-410	**X-410**	TANK MOTORS
Connector	X-411	**X-411**	MOTOR 1
Connector	X-412	**X-412**	MOTOR 2
Connector	X-413	**X-413**	MOTOR 3
Connector	X-414	**X-414**	MOTOR 4
Connector	X-415	**X-415**	MOTOR 5
Connector	X-416	**X-416**	MOTOR 6
Connector	X-417	**X-417**	MOTOR 7
Connector	X-418	**X-418**	MOTOR 8
Connector	X-419	**X-419**	MOTOR 9
Connector	X-420	**X-420**	MOTOR 10

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B. Fault not present, return unit to field operation.

4. Perform the UCM troubleshooting procedure. See **Controller Area Network (CAN) data bus - Problem solving UCM (55.640)**.

   A. Fault still present, reinstall original UCM, submit a concern through ASIST.

   B. Fault not present, return unit to field operation.

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3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347 3348 – "Motor is Not Communicating"

This alarm informs the operator that a motor does not have a unique position.

- The alarm is raised at the end of the startup motor detection and position assignment sequence if a motor that successfully passed the XWDC position query/assign phase (either the motor already had the desired position assignment, or was successfully assigned to the correct position) failed to respond to the subsequent "ping" query for RPM. This is an indication that two or more motors on the machine have the same position assignment and both attempt to respond to the same query for RPM, resulting in a collision in the Local Interconnect Network (LIN) bus and no valid response back to the UCM.
- The alarm is only cleared upon a power cycle.



SAIL16EE002466AA 15

7003 – "Task Controller Incompatibility"

This alarm informs the operator the air cart is not compatible with the Task Controller.

- The alarm is raised if the detected task controller version is lower than version 2 (ISO Standard 2009, First edition).
- The alarm is only cleared upon a power cycle.



SAIL16EE002474AA 16

7004 – "Work Switch Signal Lost"

This alarm informs the operator that the selected source of the in-ground (work) state is no longer present.

- The alarm is only applicable when the selected source for the in-ground state is the CAN-based Seed Tool Pressure Work Switch. The alarm is raised if the work state CAN message is not received within **60.0 s** of startup or if the message is not received for 5.0 seconds after at least one message has been received.
- The selected source for the in-ground state is automatically switched to NONE. It would be undesirable to freeze at the last known in-ground state because that would make it impossible to transition between in-ground and out-of-ground until a different source was manually selected.
- The alarm is cleared upon selection of a new in-ground source.



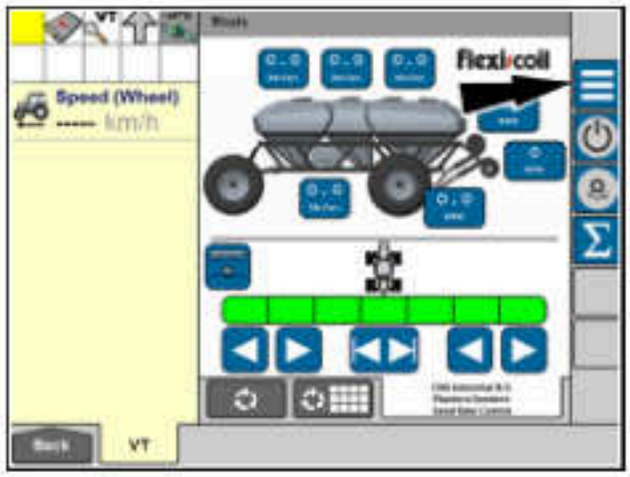
SAIL16EE002485AA 17

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Cab seeding controls - Check faults

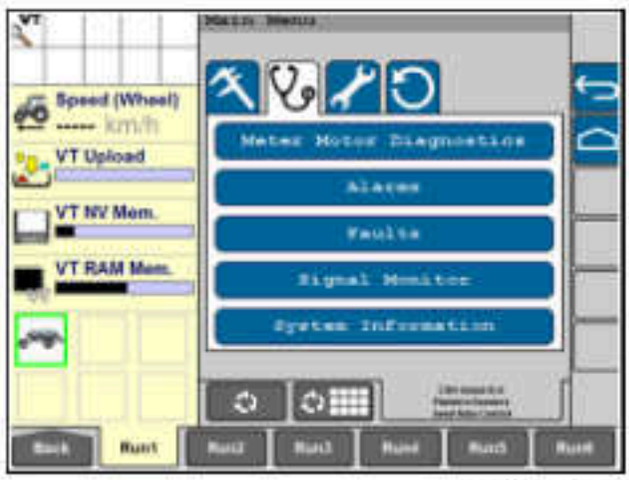
NOTE: *Active faults can be accessed by pressing the fault button on the top of the "Run" screen.*

1. Select the main menu button .



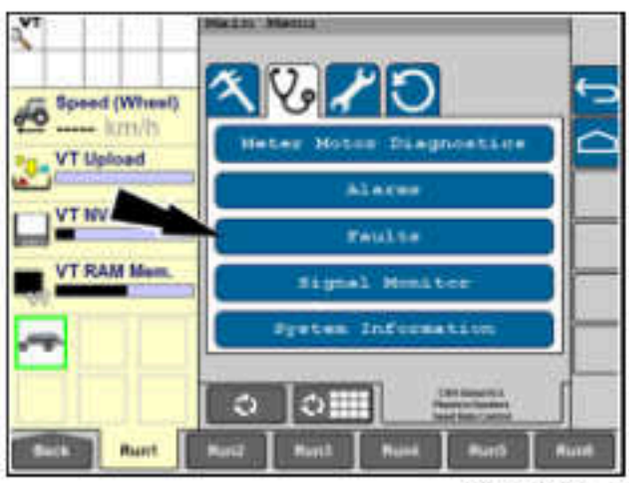
1

2. Select the diagnostics tab .



2

3. Select "Faults".

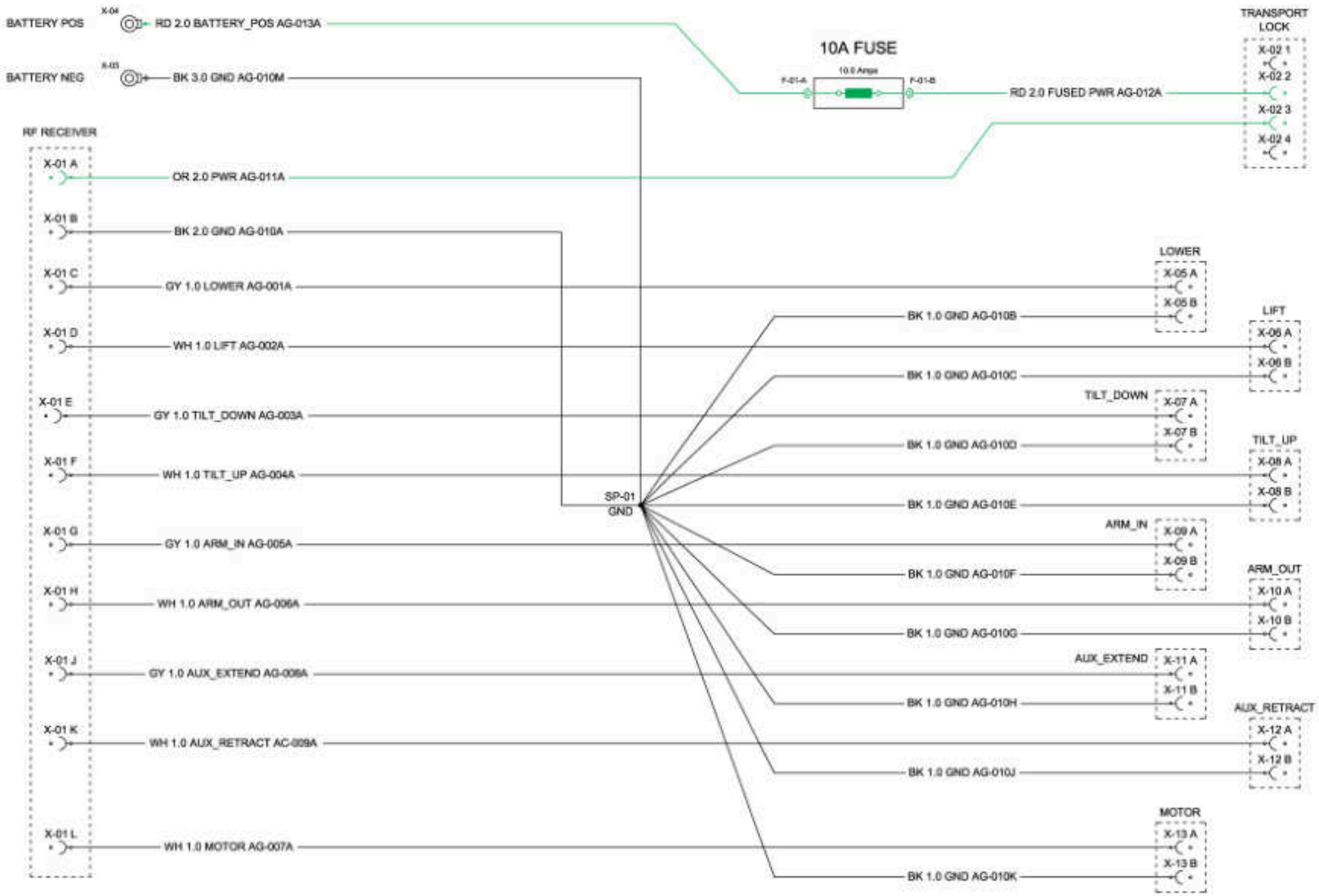


3

4. Faults that have occurred will be displayed. Active faults are faults that have occurred since the power was turned on.
   Inactive faults are faults that have occurred in the past, and are not currently active.

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AUGER CONTROL



FRAME 1 of 1

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