

Dealer Service Manual



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Service Manual Overview

The Precision Planting Dealer Service Manual provides tools for understanding and troubleshooting issues with Precision Planting's full line of products. The manual is composed of the following sections:

- **Process Overview Drawings:** A visual description of each product and its operation
- **Event Codes:** A listing of all error codes used by the 20/20 display
- **Troubleshooting Guides:** Issue-based troubleshooting guides to help you resolve issues quickly
- **Pinouts and Wiring Diagrams:** A collection of diagrams to help you understand the components of the system and how they connect with one another.

Use this Service Manual along with the the appropriate diagnostic tools to troubleshoot systems. For further assistance, contact Product Support.

Tables of Contents are linked to the pages that they reference. Press or click the text to be taken to the referenced page.

Note: The information presented in this document was accurate at the time of publishing. The most current revision of this document can be found at <http://cloud.precisionplanting.com/pubs>

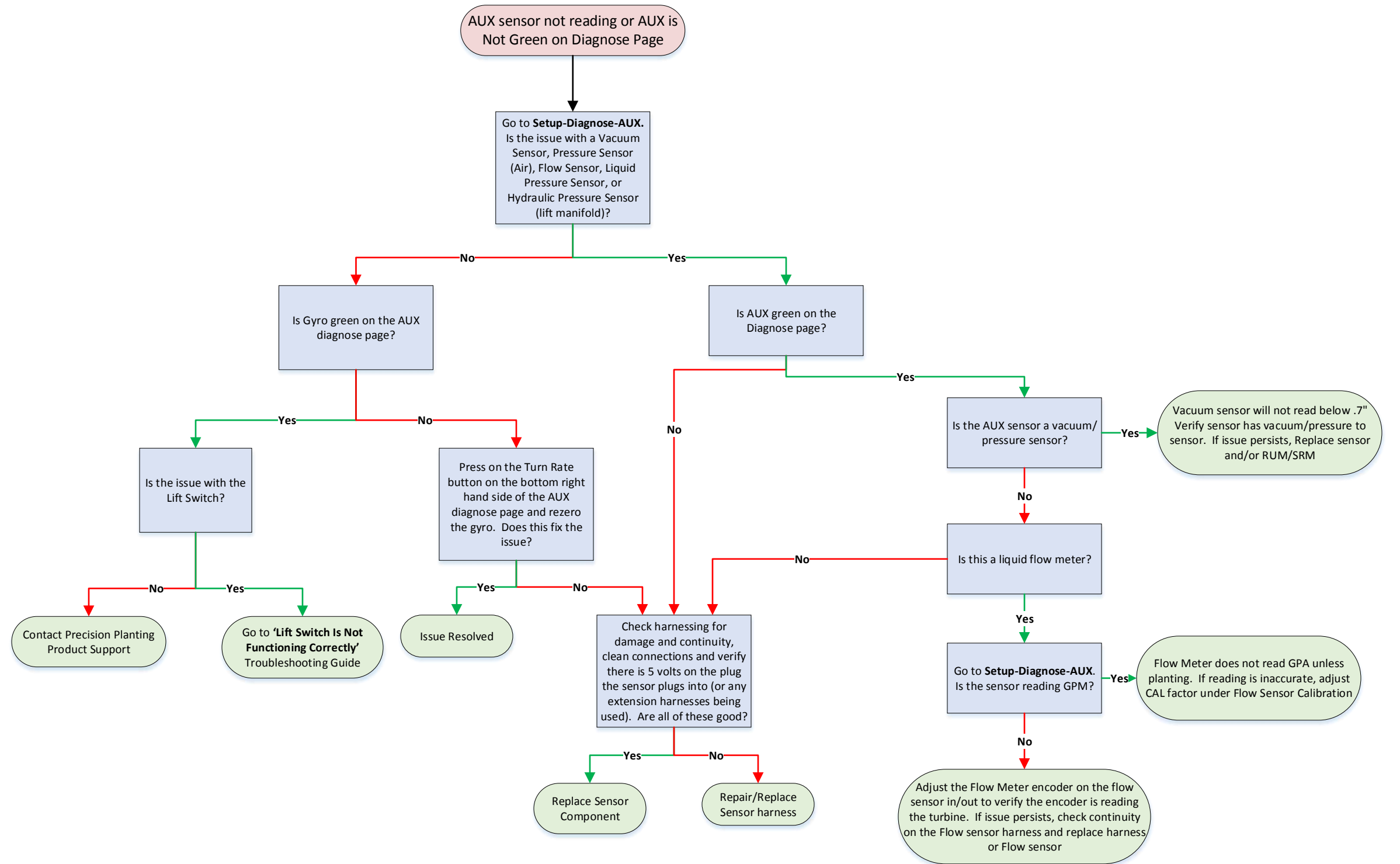
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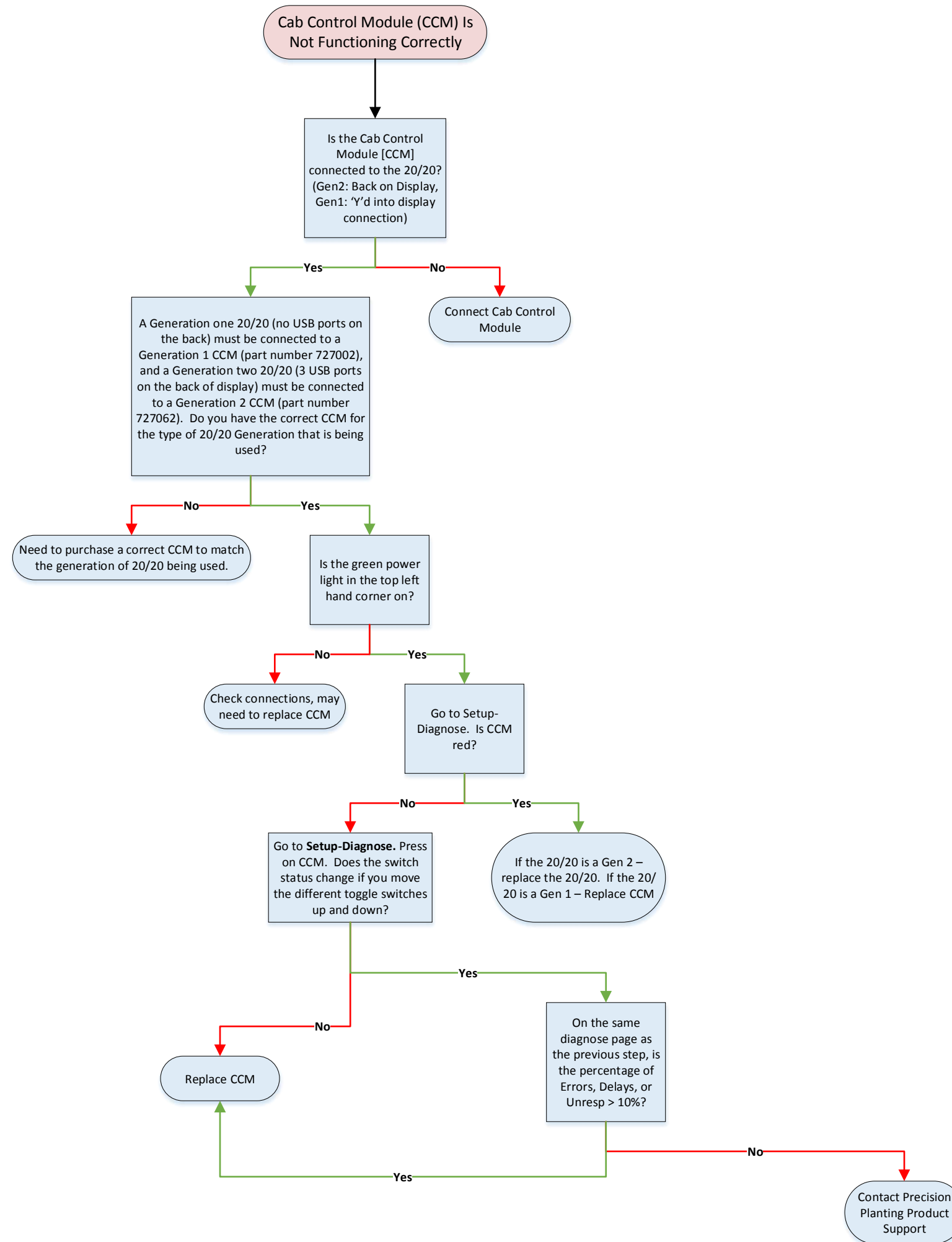
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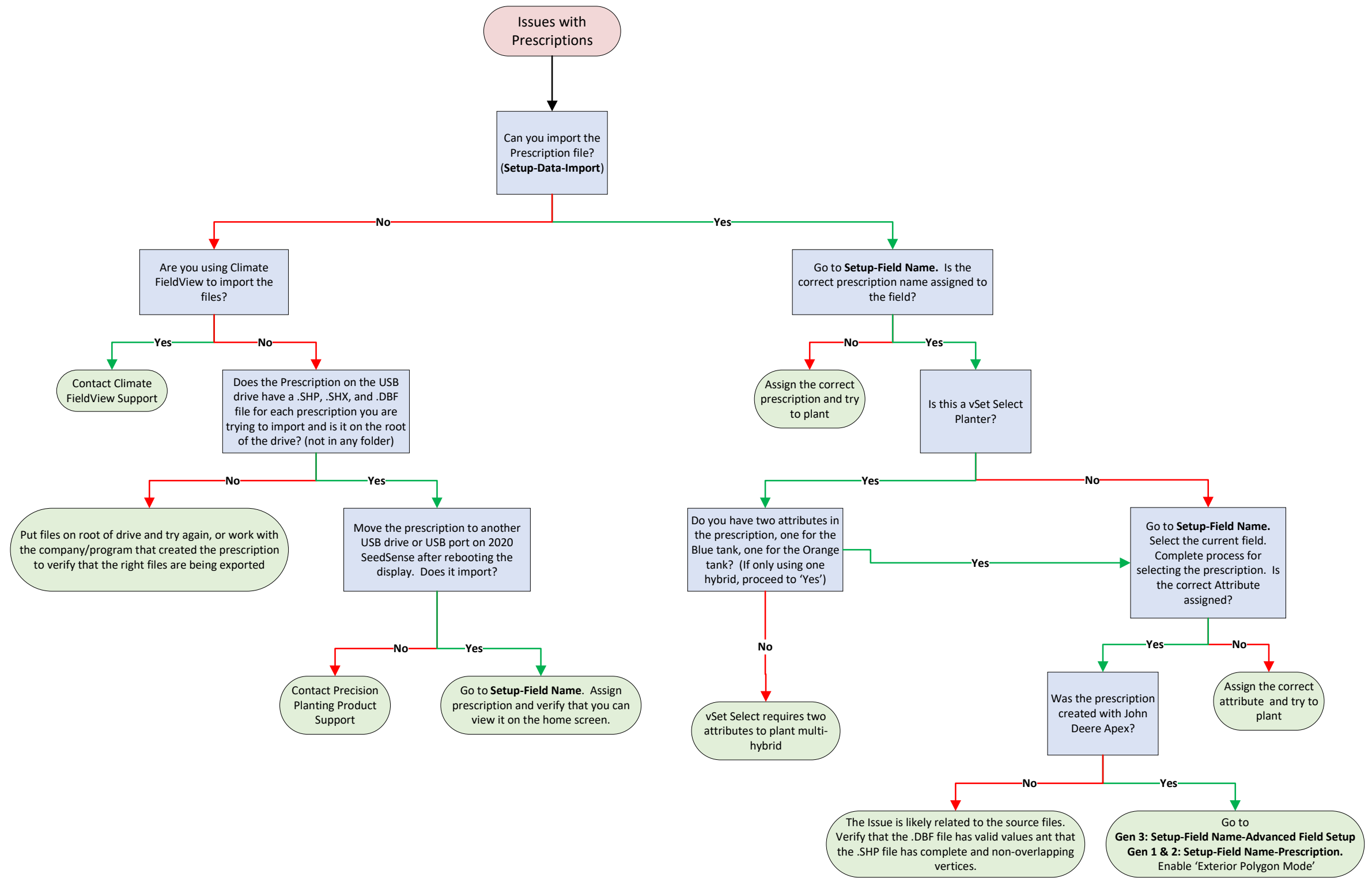
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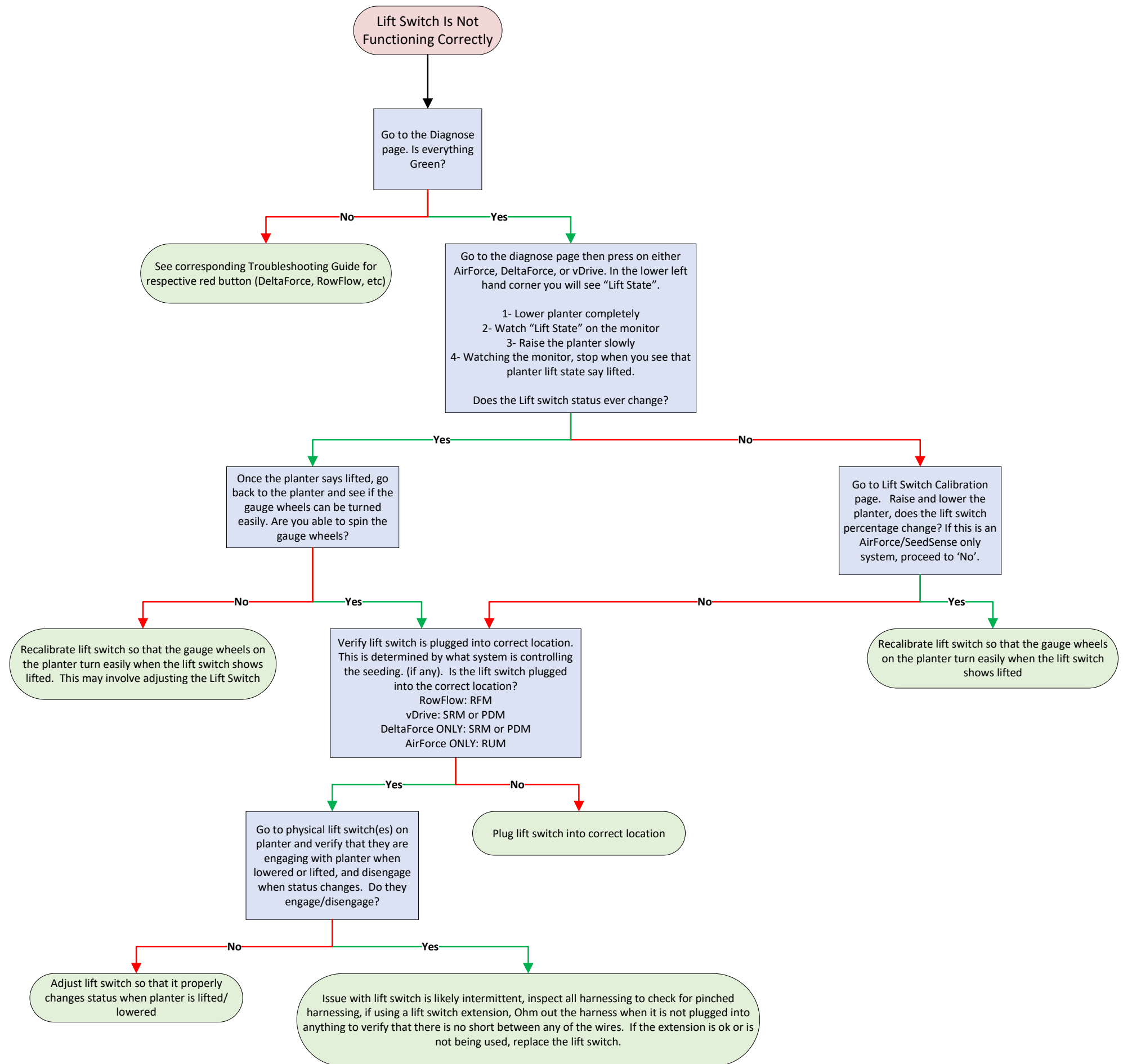
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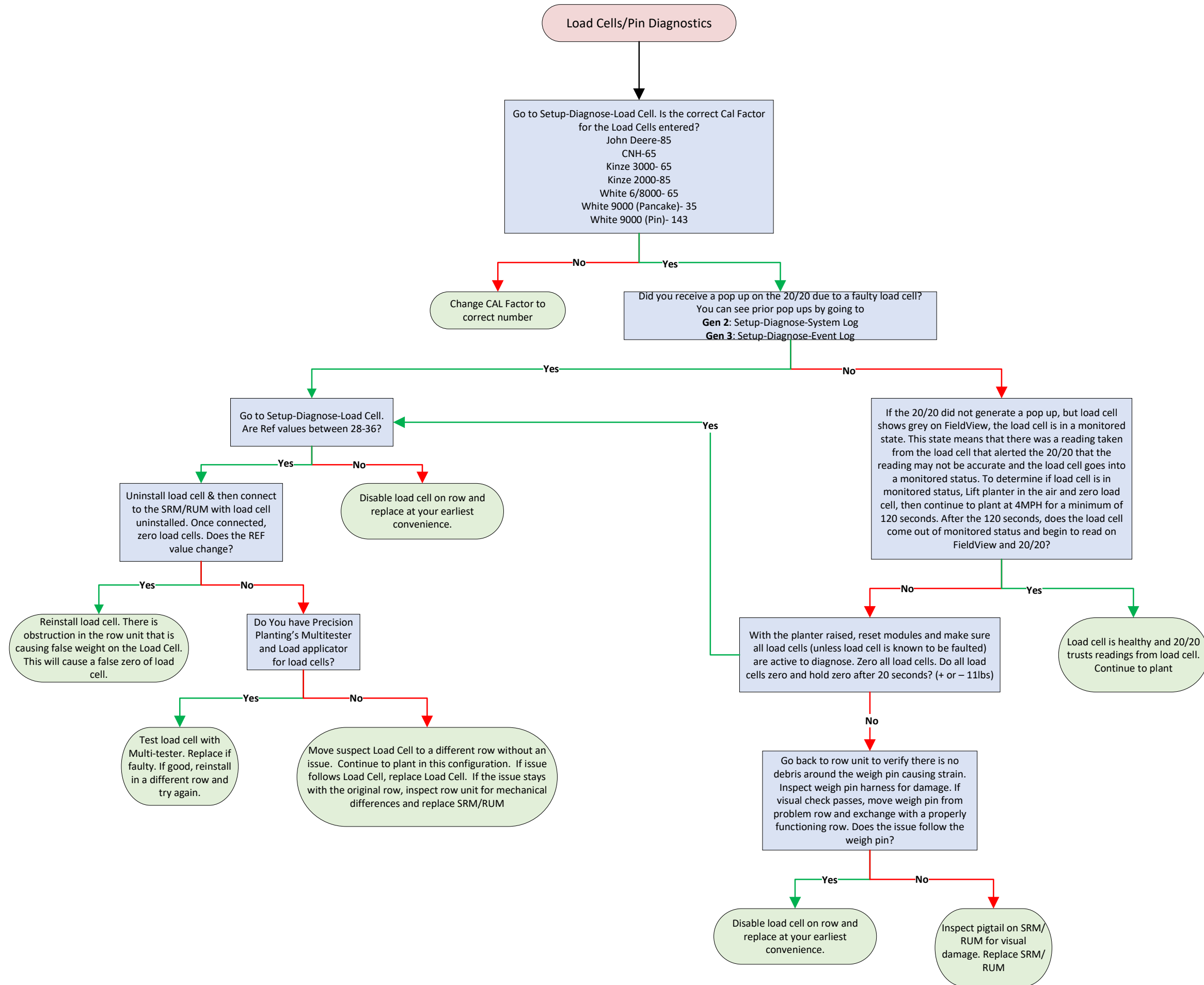
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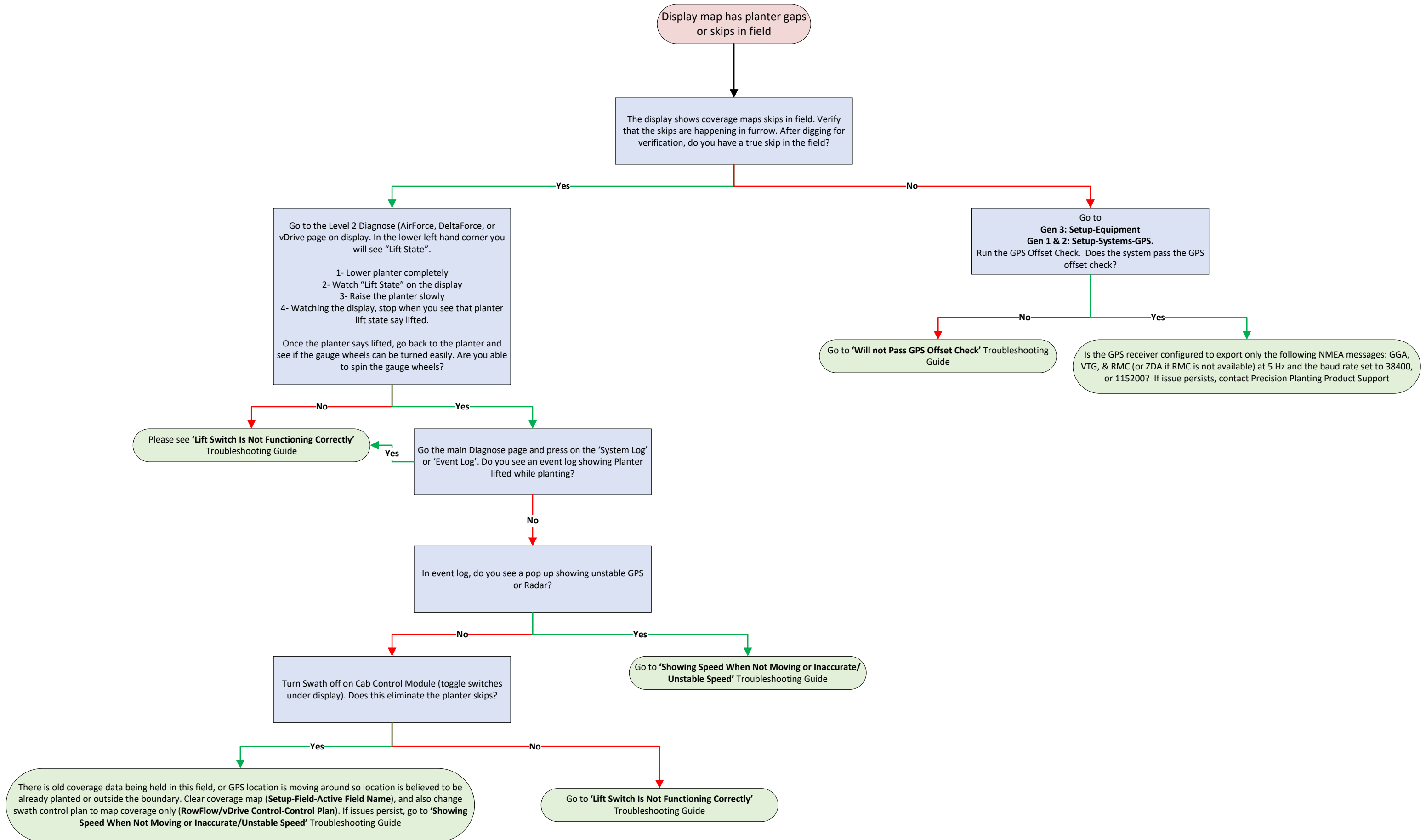


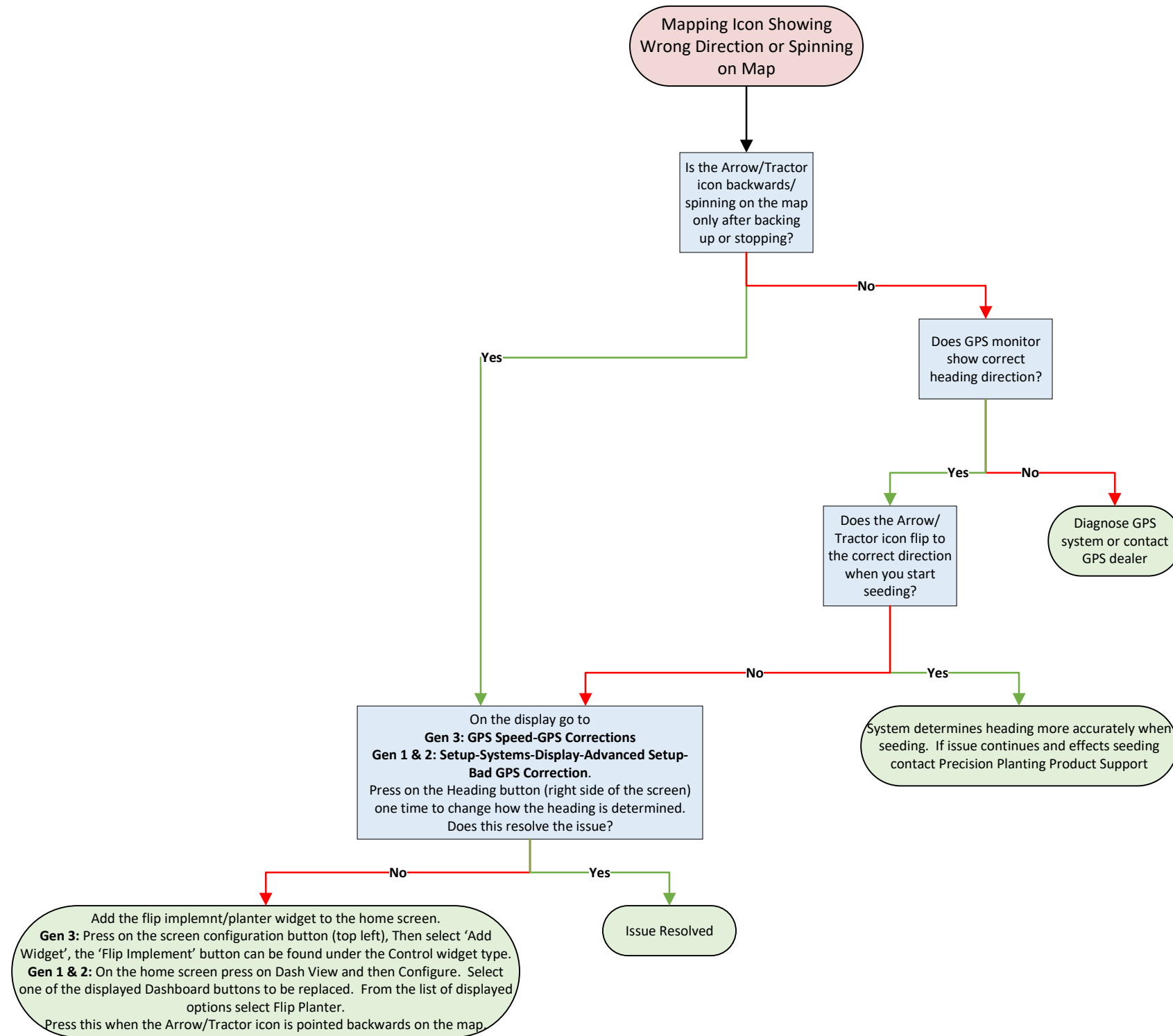


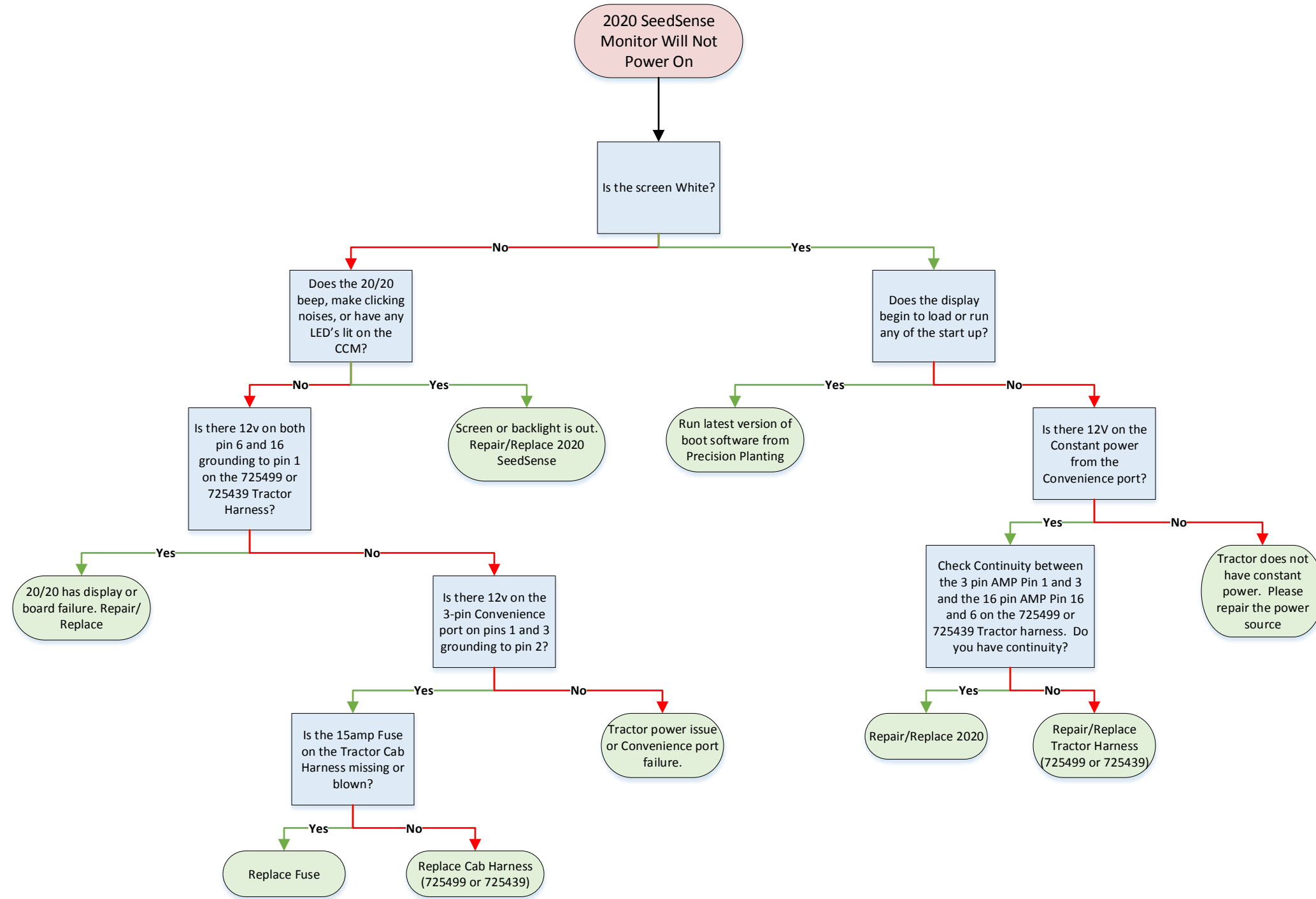


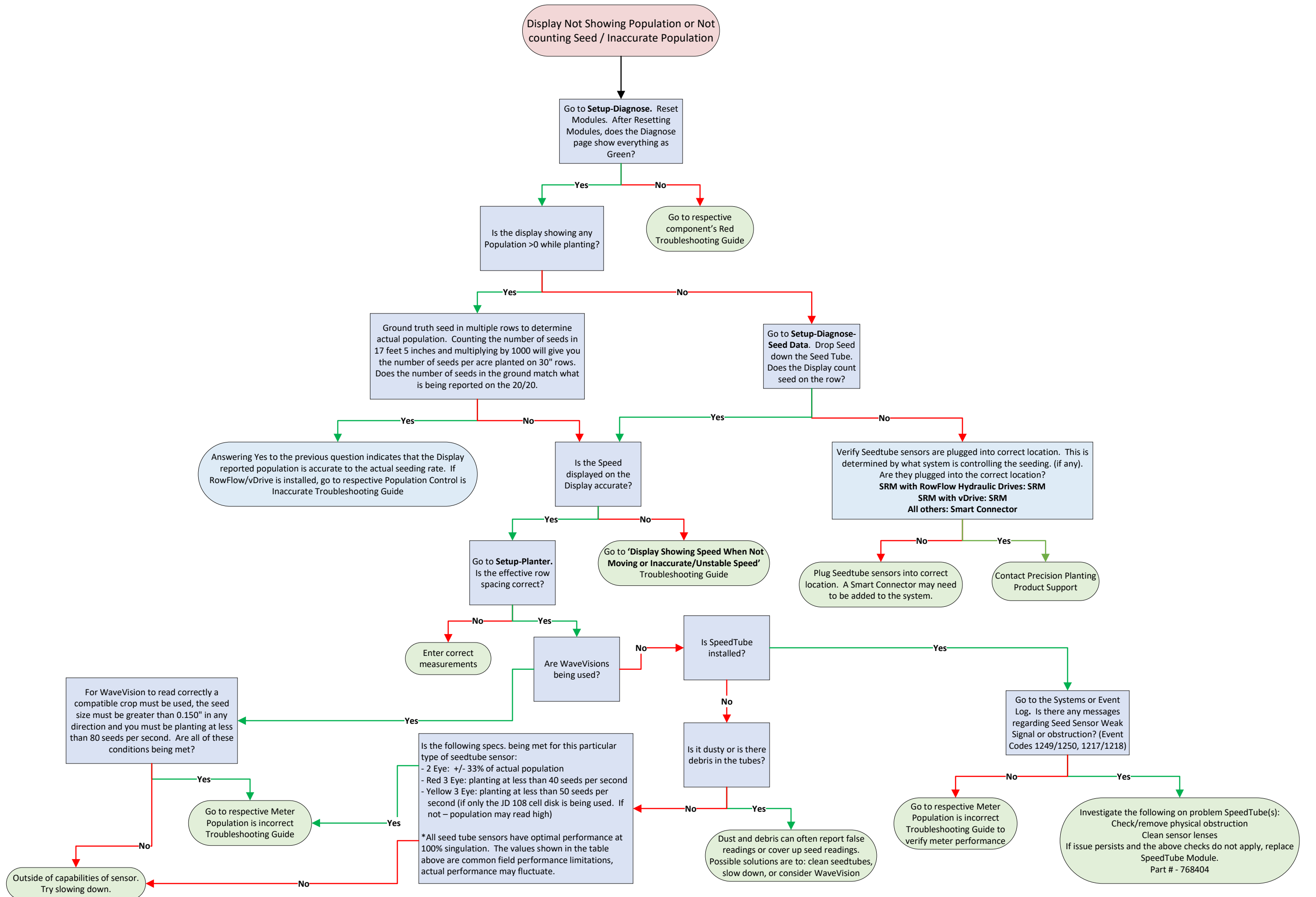


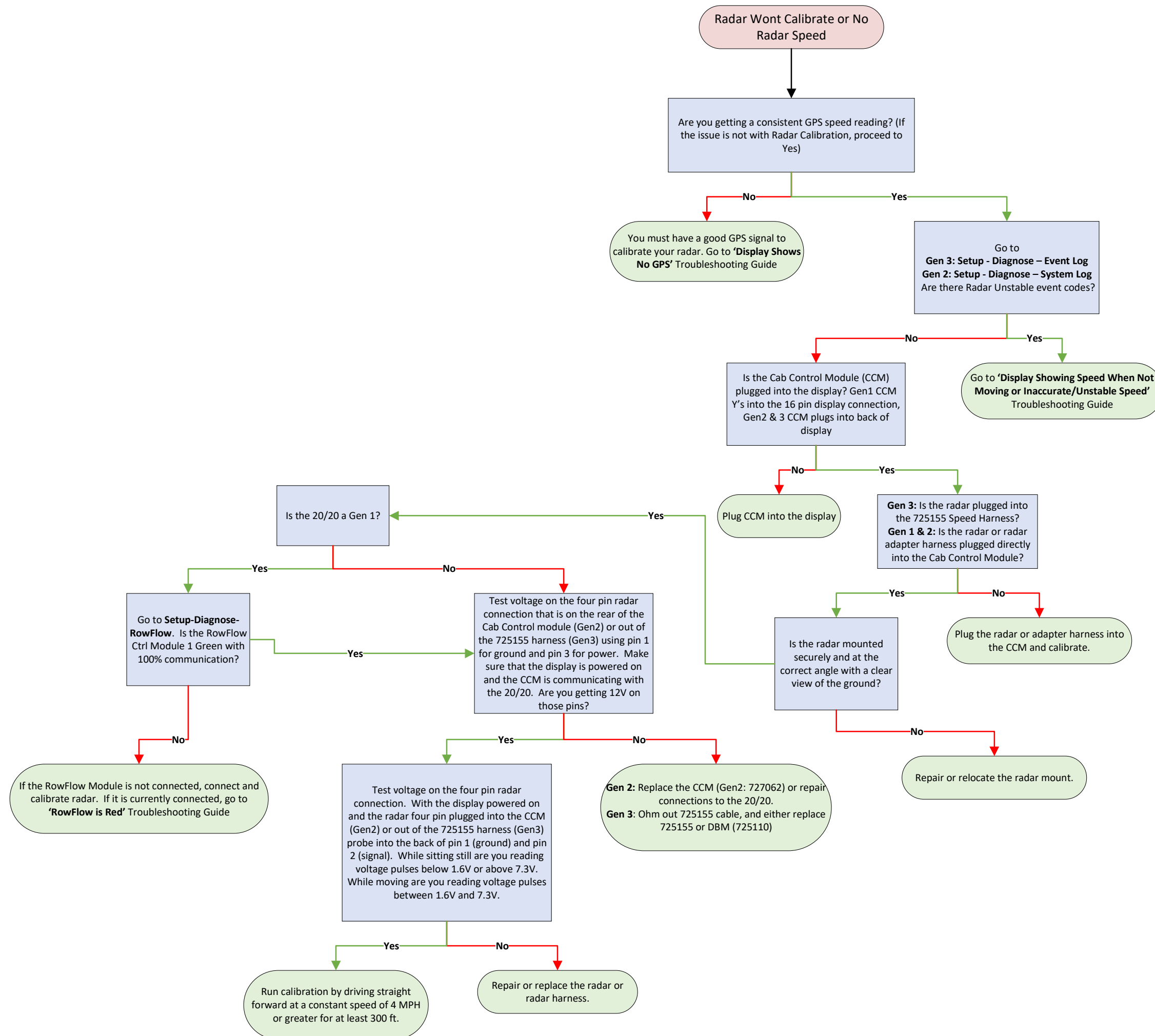


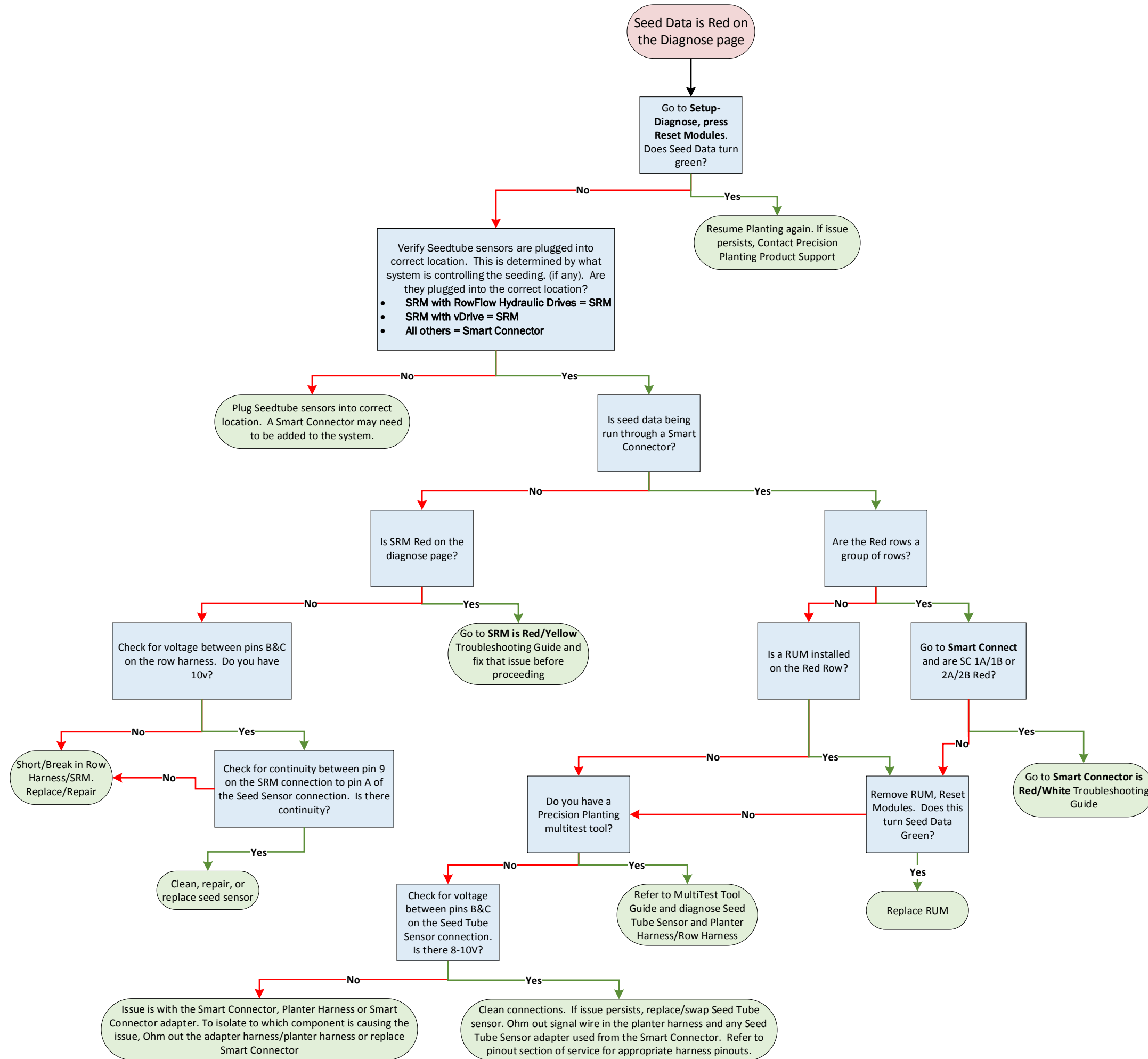


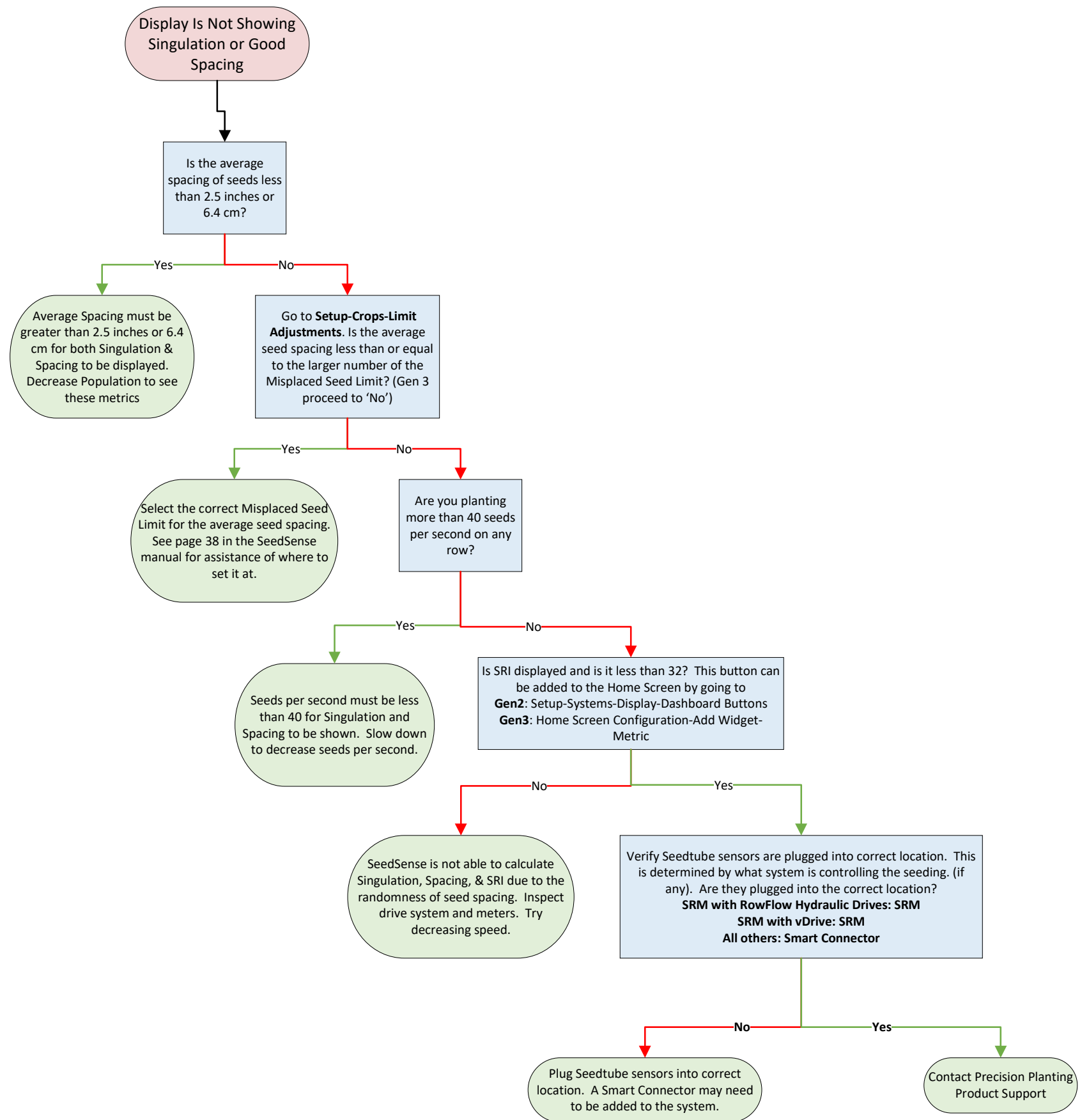


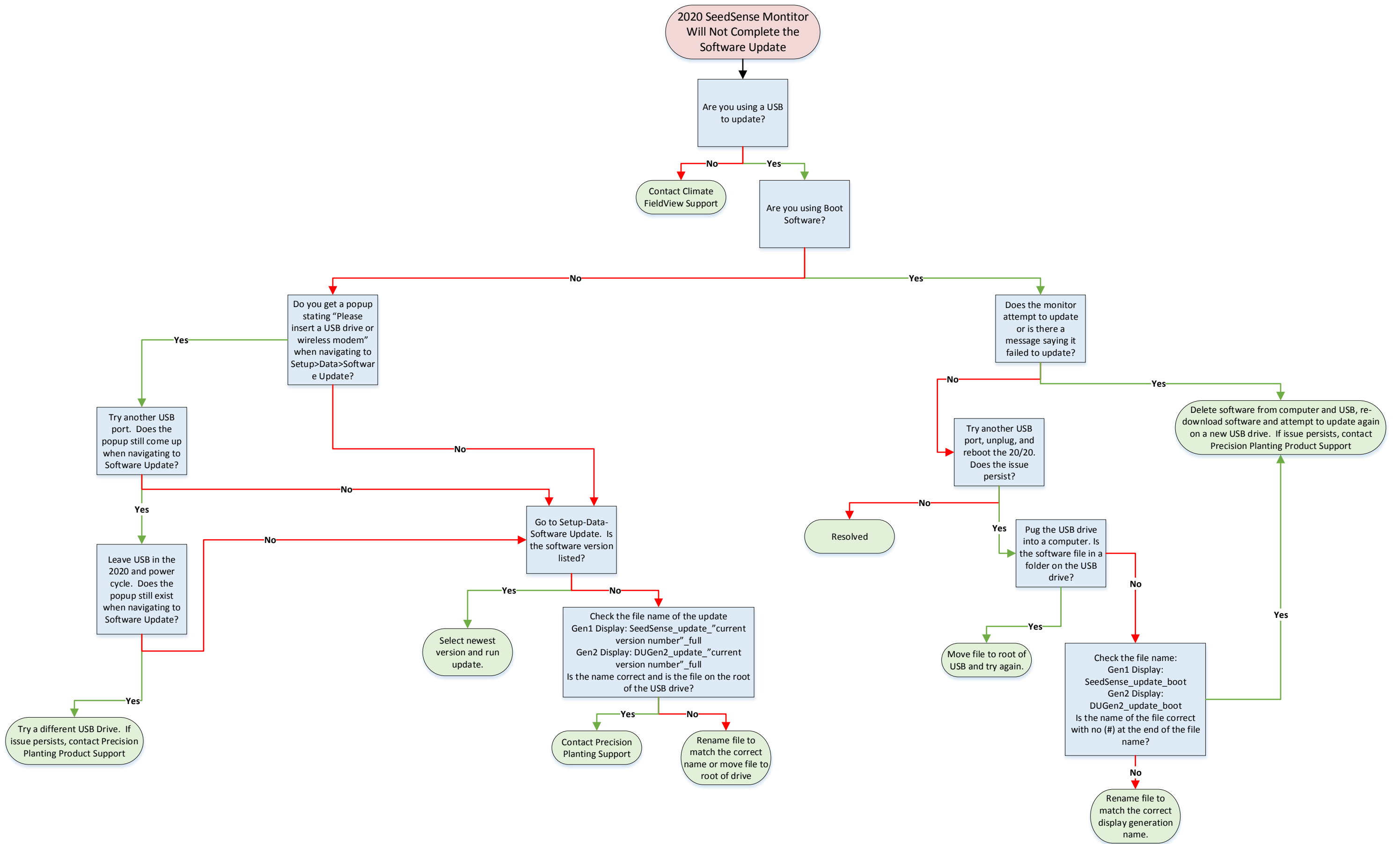


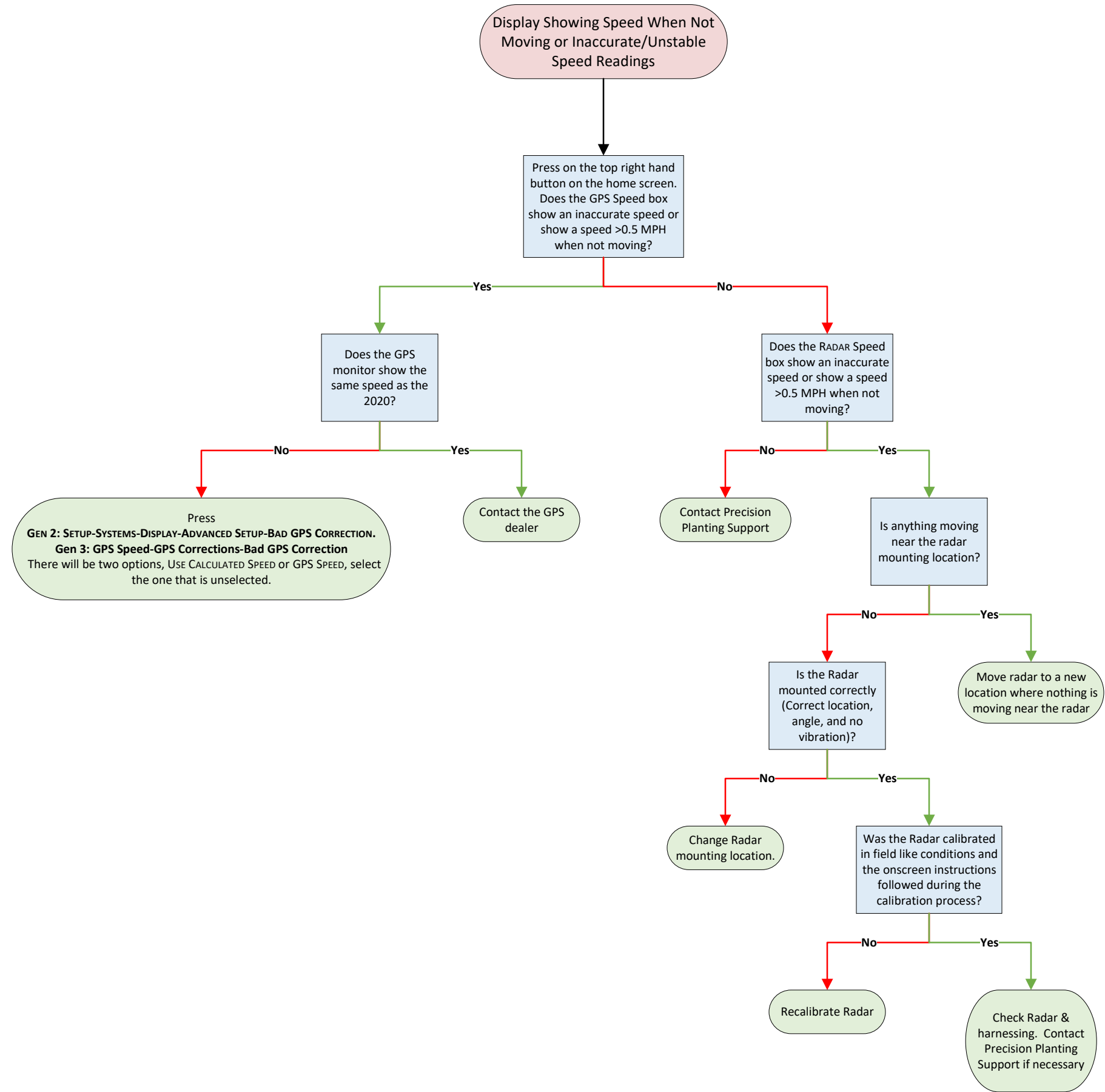


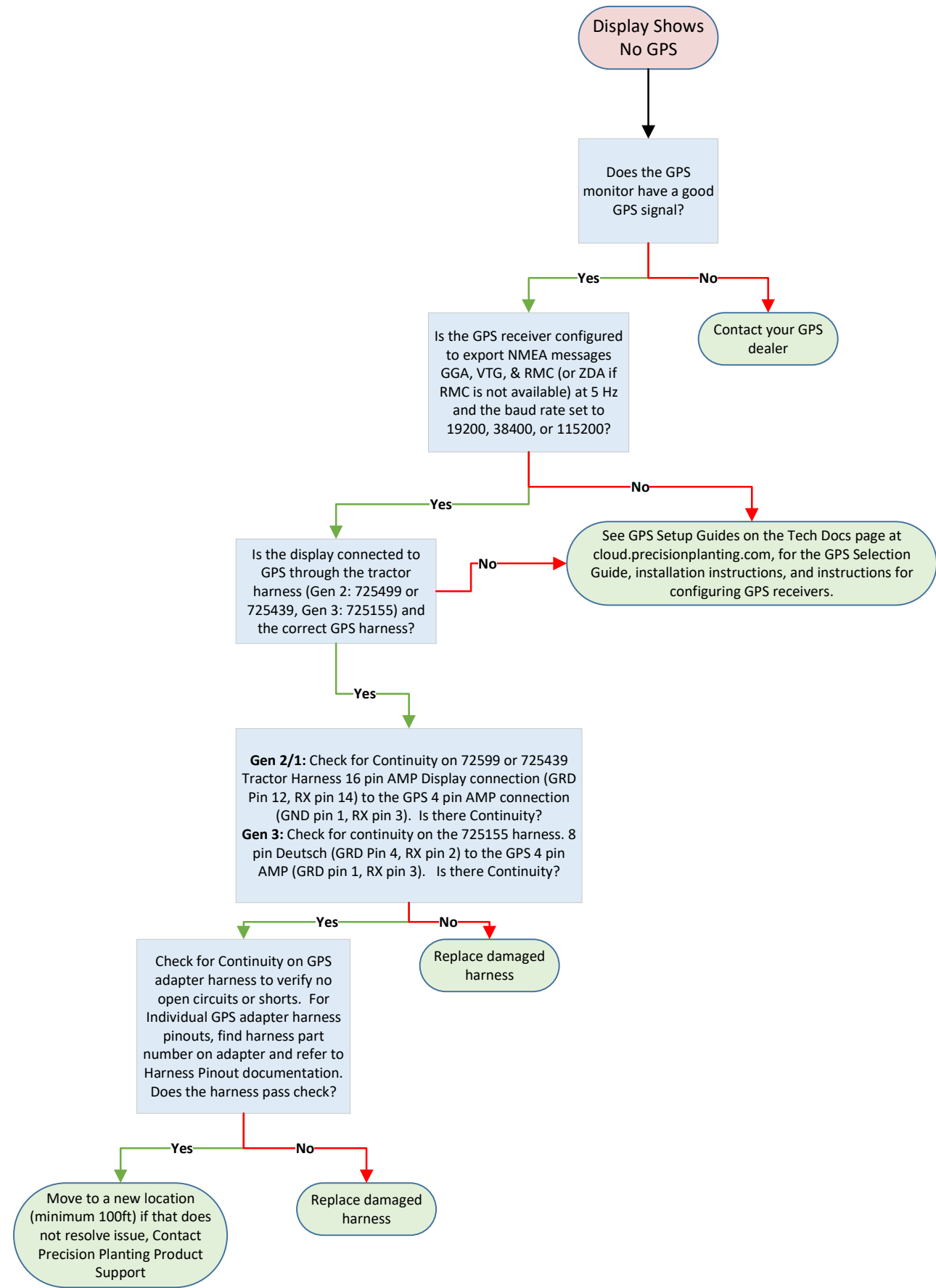


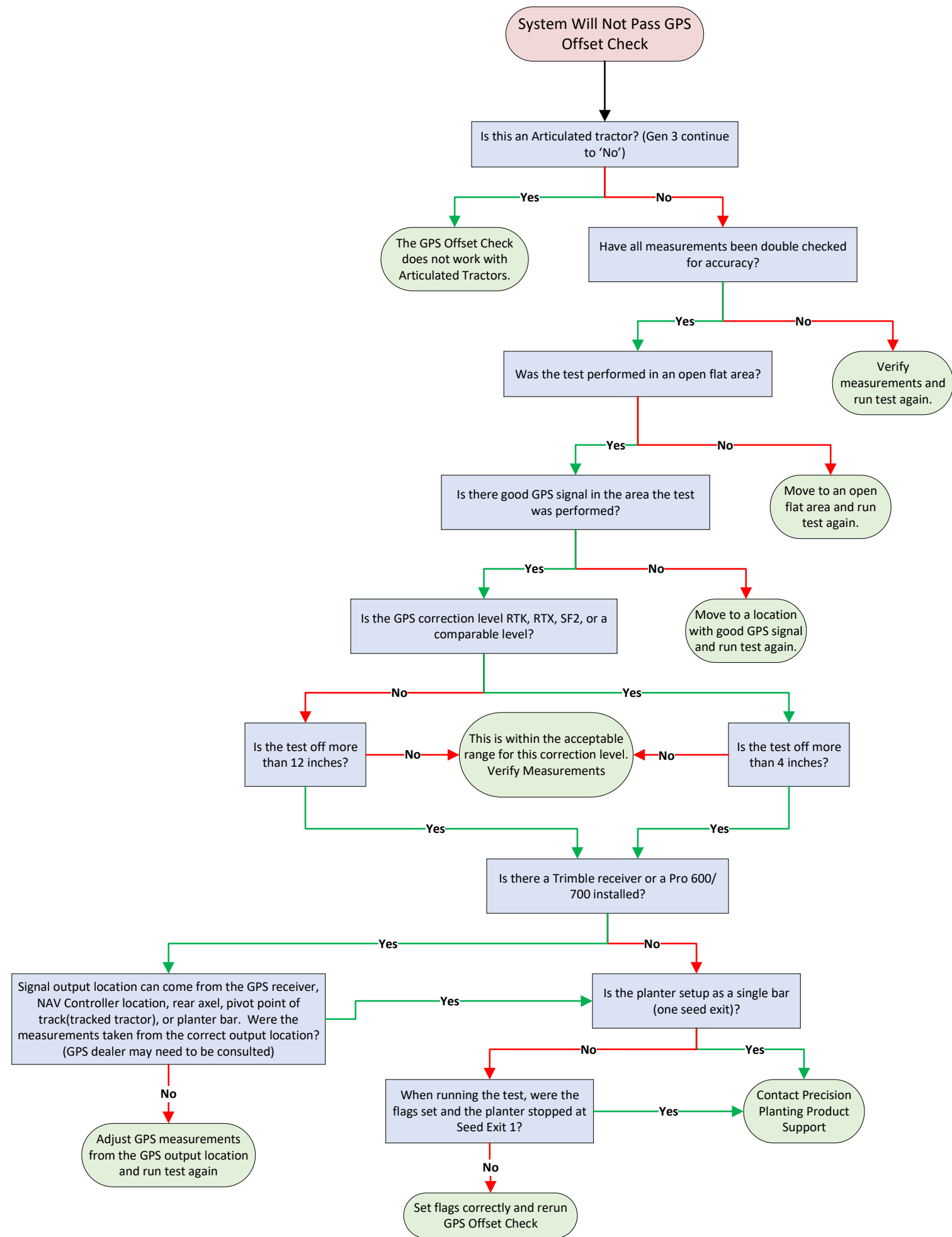


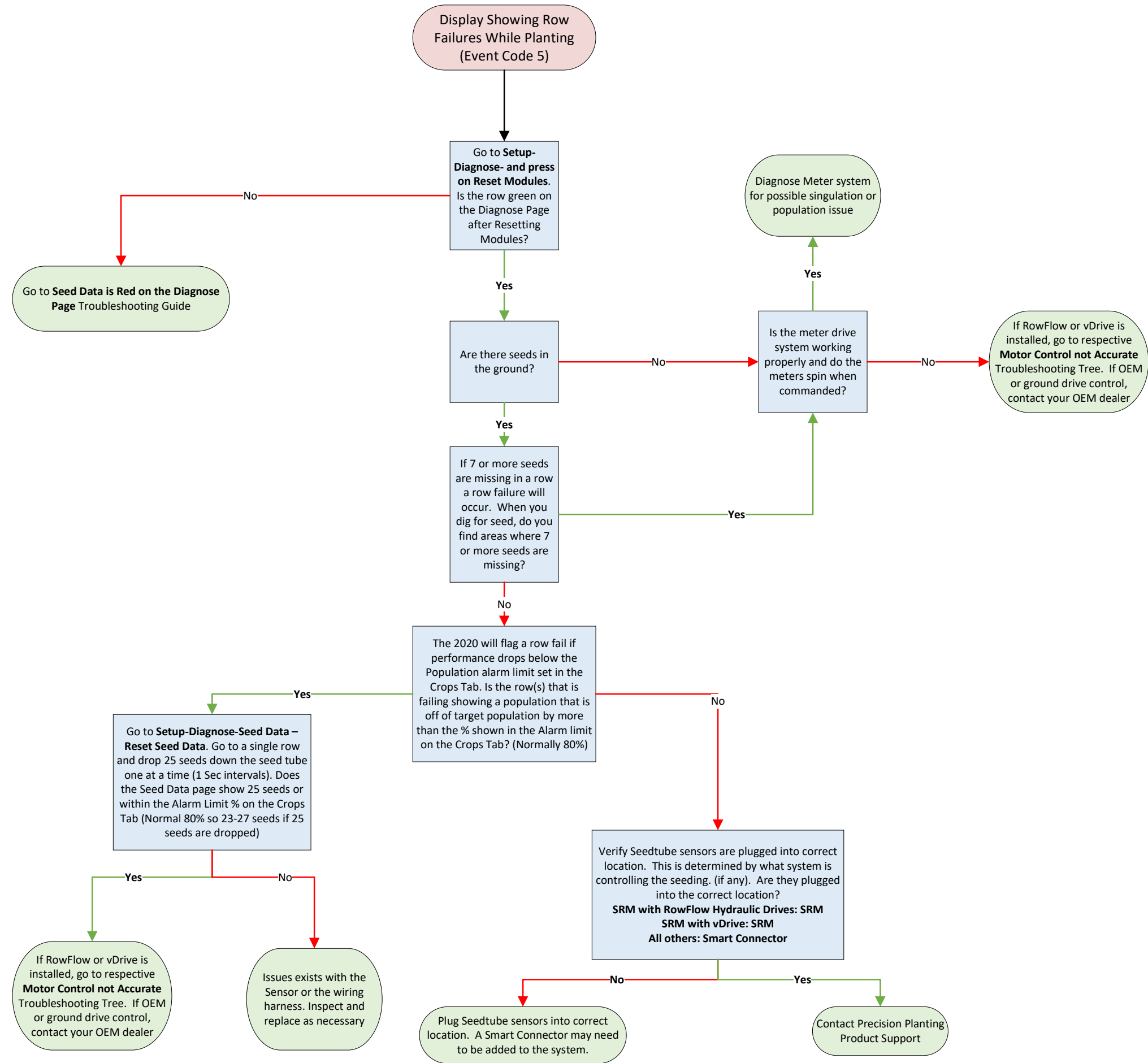


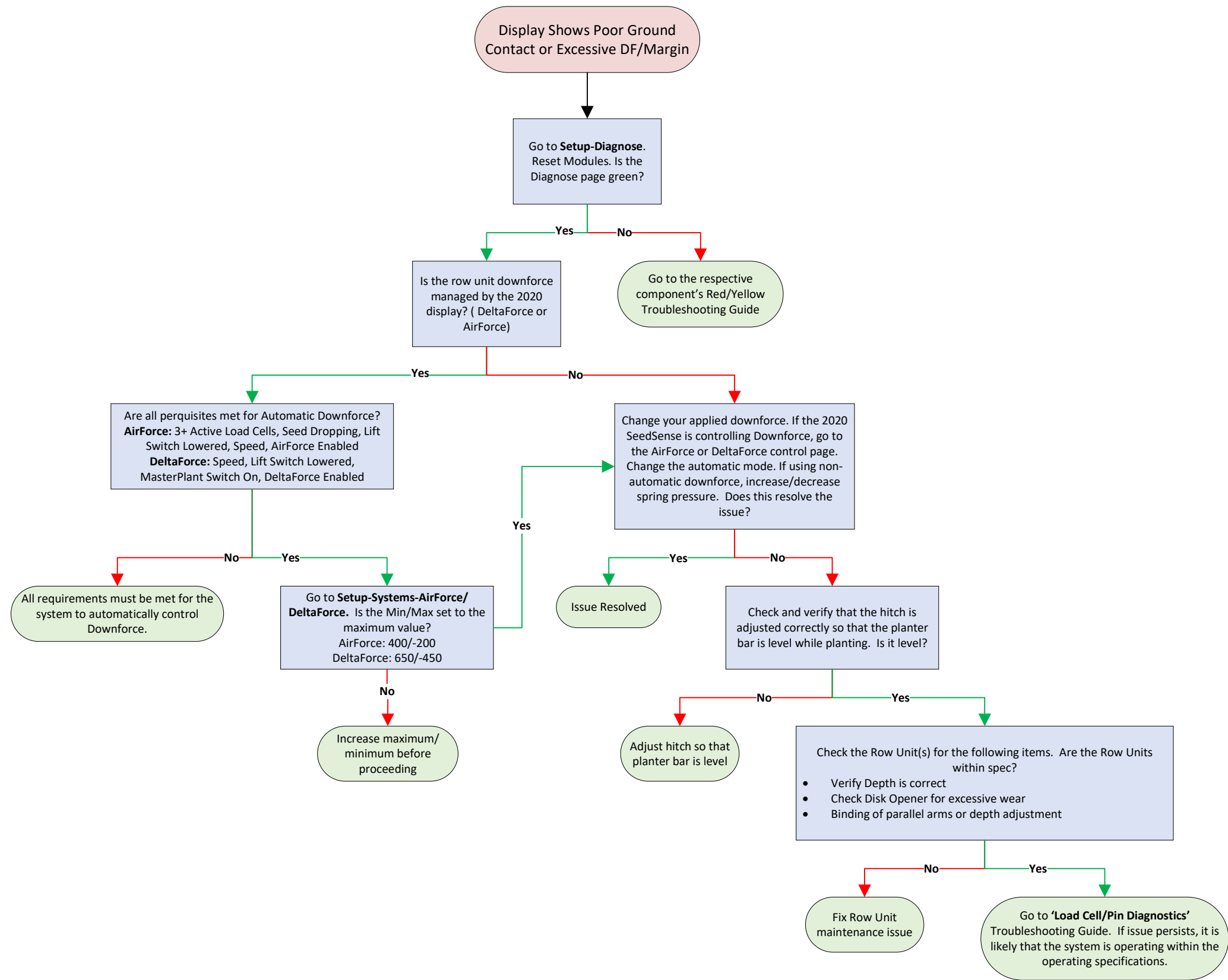












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20|20 Gen3 Display Light Status

What is the Device LED color?

Green

- This indicates good connectivity.

White

- Blinking:** The system firmware is updating.
- Solid:** The system is initializing.

Yellow

- Blinking:** Software Update is in Process
- Solid:** System is initializing

Purple

- System has not initialized properly.

Blue

- DBM:** CCM/Display is not connected to DBM
- FVM:** Not connected to FieldView

Note: DBM light will be blue if CCM mode is set to 'Not Present'

Red

- Blinking:** Failure – Call Precision Planting Support
- Solid:** Powering On.

Repeating color sequence

- Green/Purple, Blue/Yellow, Blue/Purple:** Device is Crashing – Call Precision Planting Support

Recommendation

Wait for system to initialize.

- If System does not change status in 5 minutes, power down device.
- If necessary, use reset button to force shut down.
- Finally if rebooting does not resolve this issue, use boot software on device.

Display

Is the Display is on the 20|20 splash screen with four initializing dots?

Yes

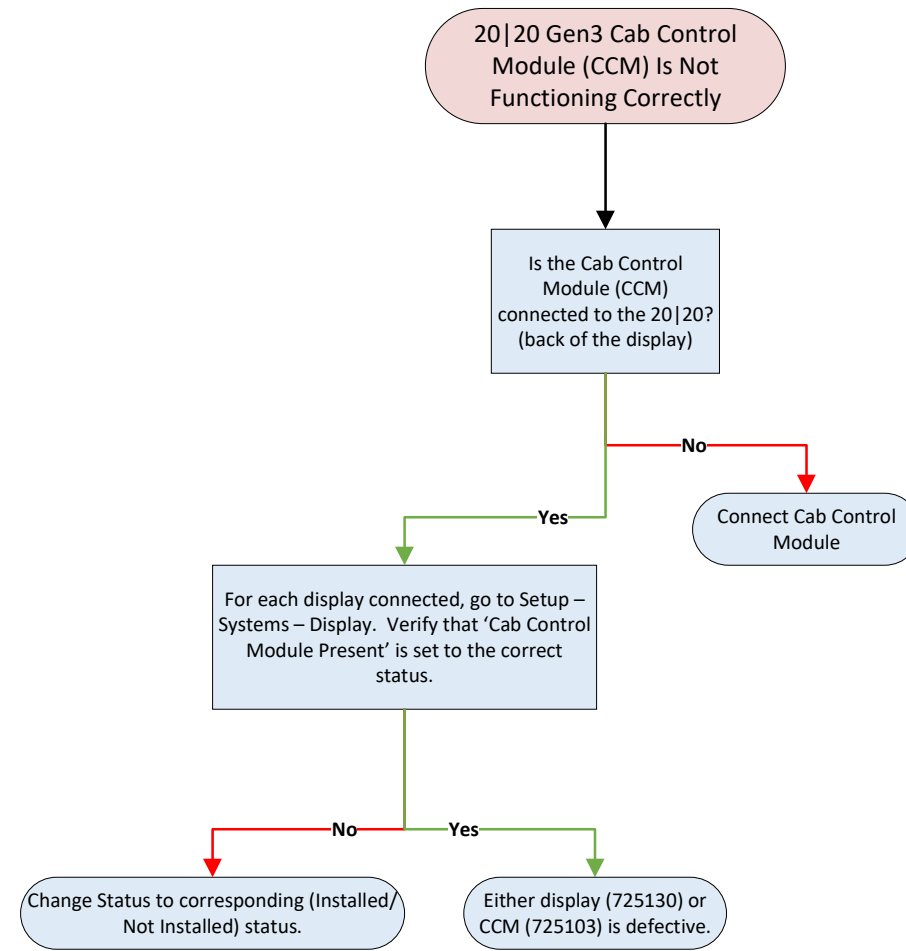
DBM LED blue: Apply Boot Software to the Display.
DBM LED not blue: Diagnose DBM boot-up issue first.

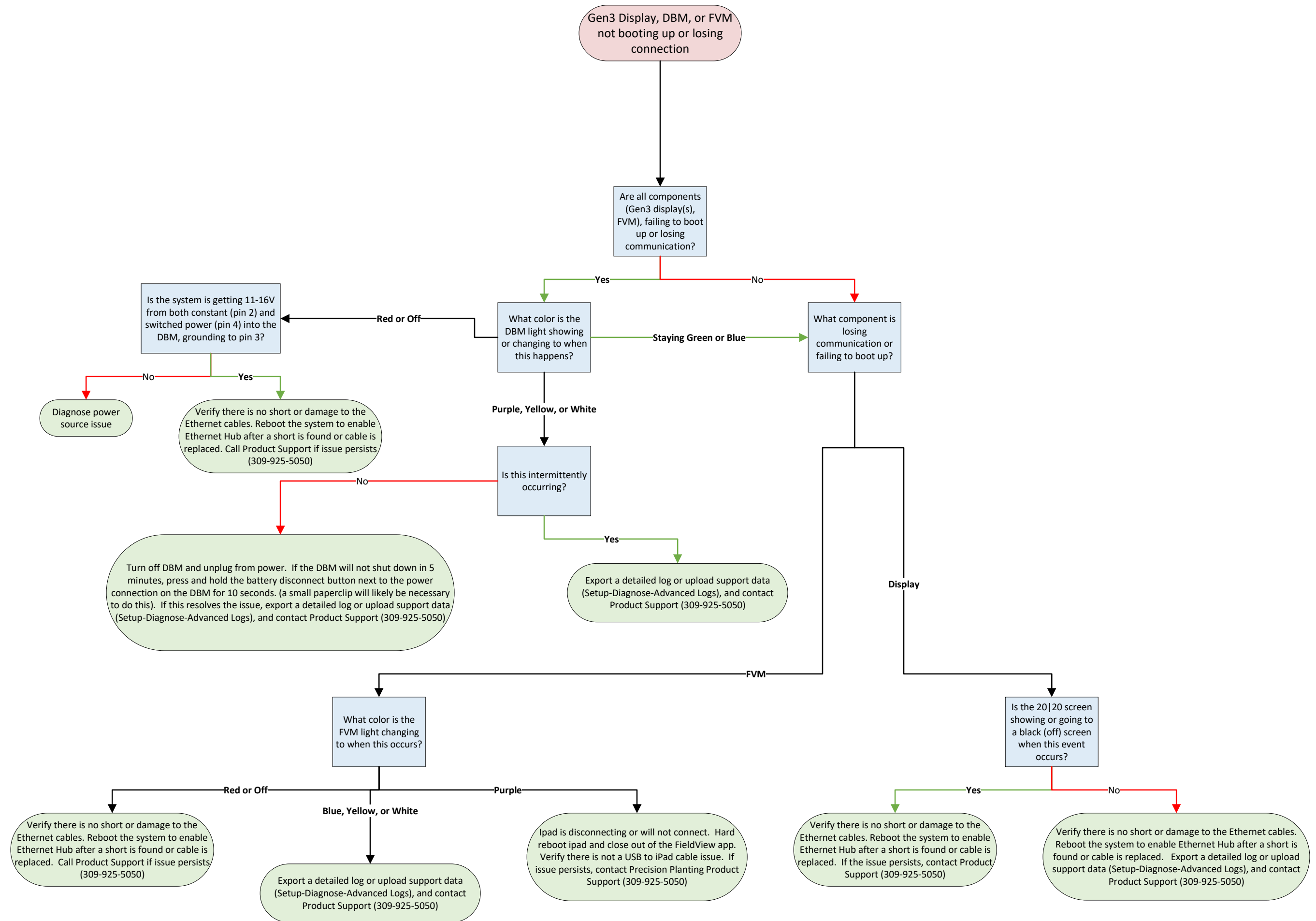
No

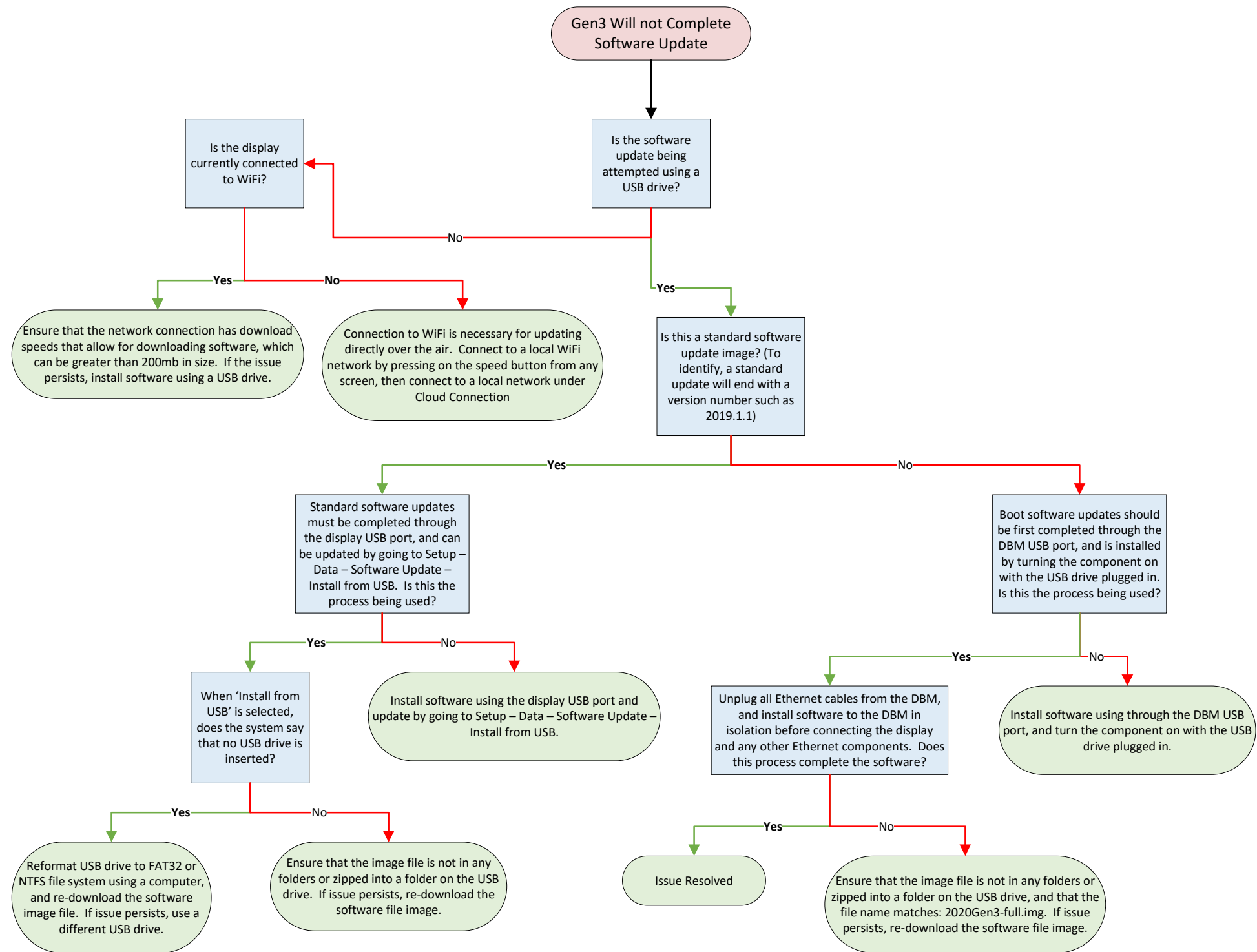
Diagnose for no communication between the Display and DBM. Verify Ethernet port, Ethernet cable and Display are healthy

FVM

Red: Diagnose for no communication between FVM and DBM. Verify Ethernet port, Ethernet Cable and FVM are healthy.
Blue: Diagnose for no communication to Climate FieldView. Verify USB adapter, iPad, FieldView app, and FVM are healthy. Hard reset iPad.

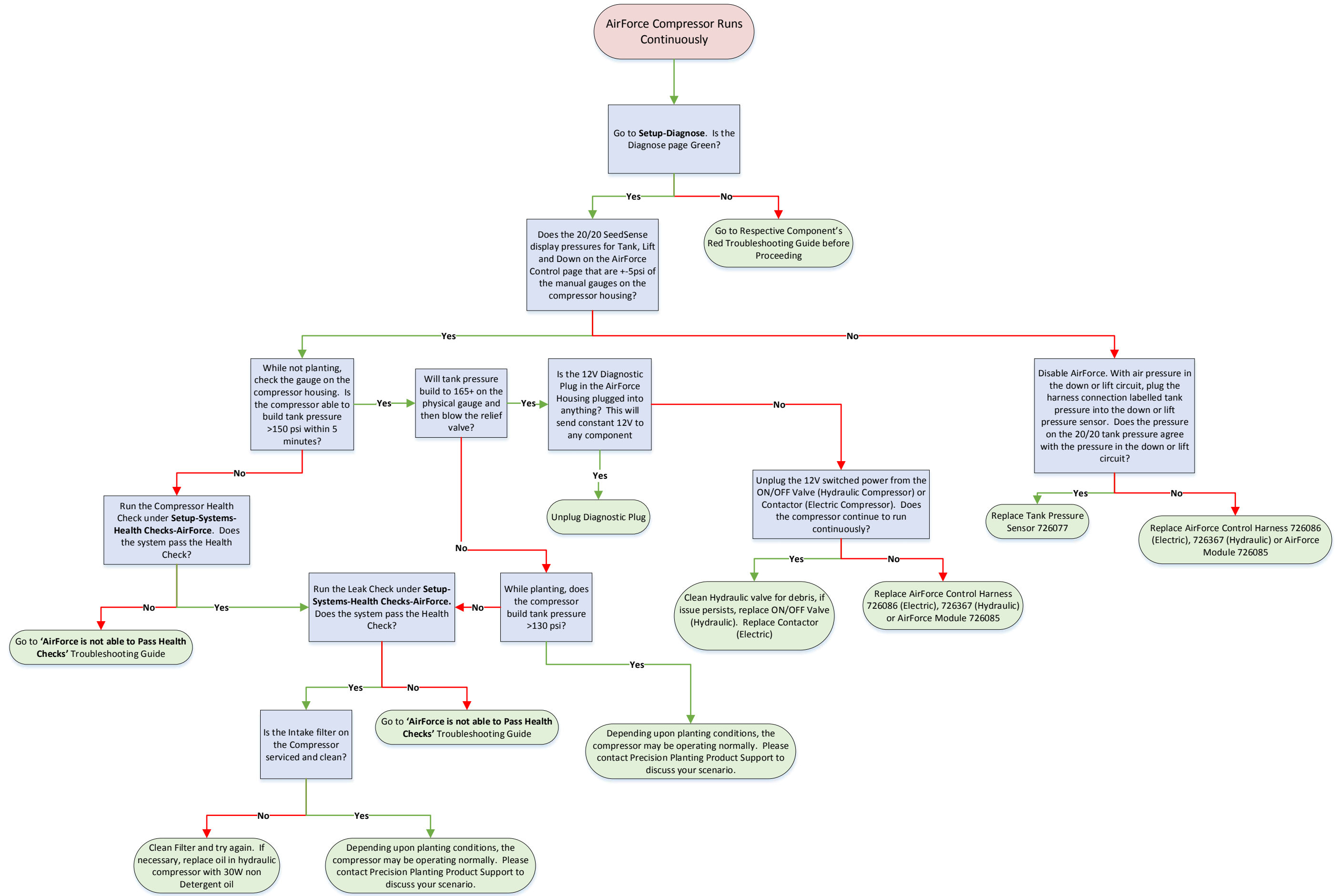


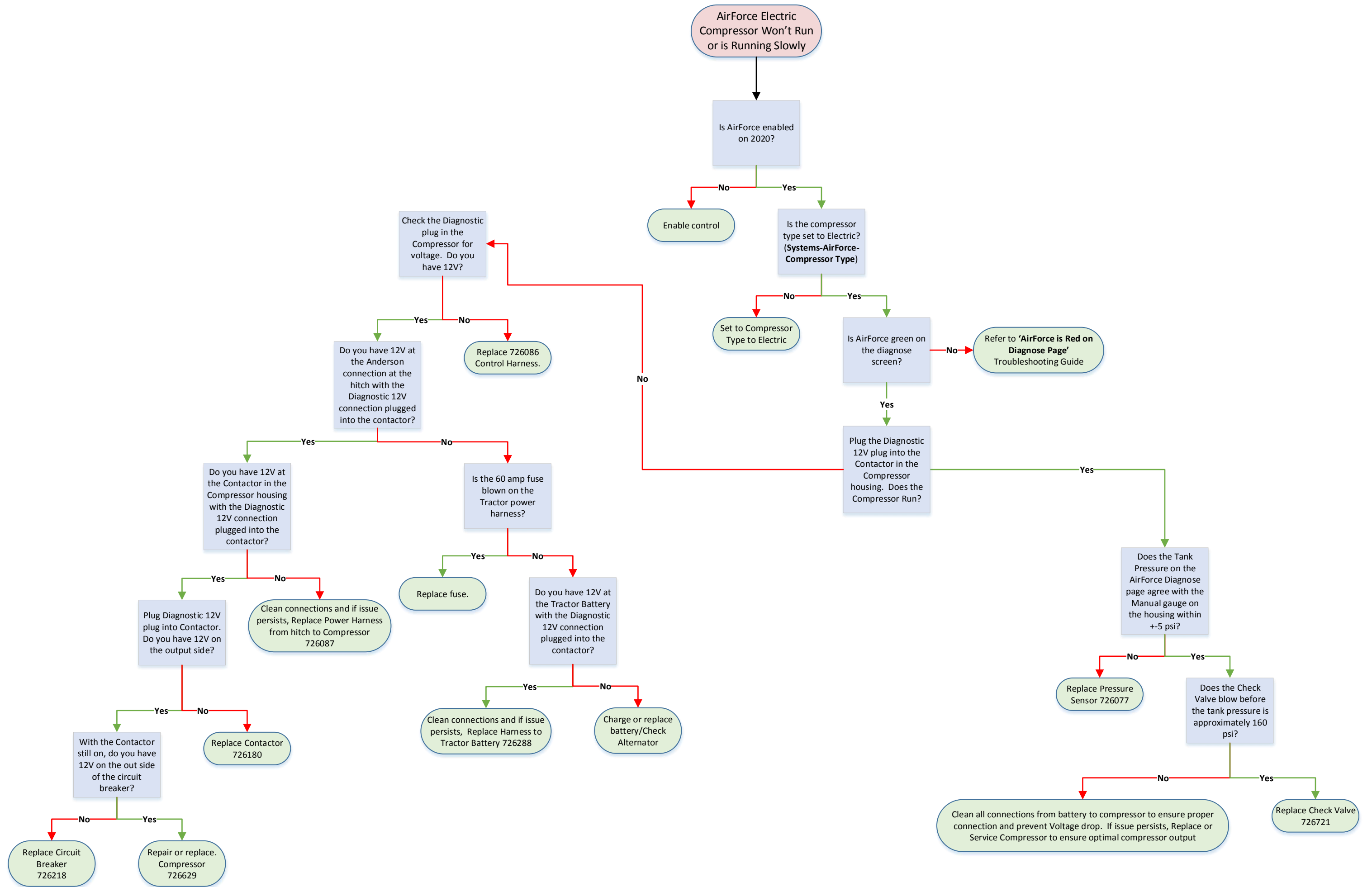


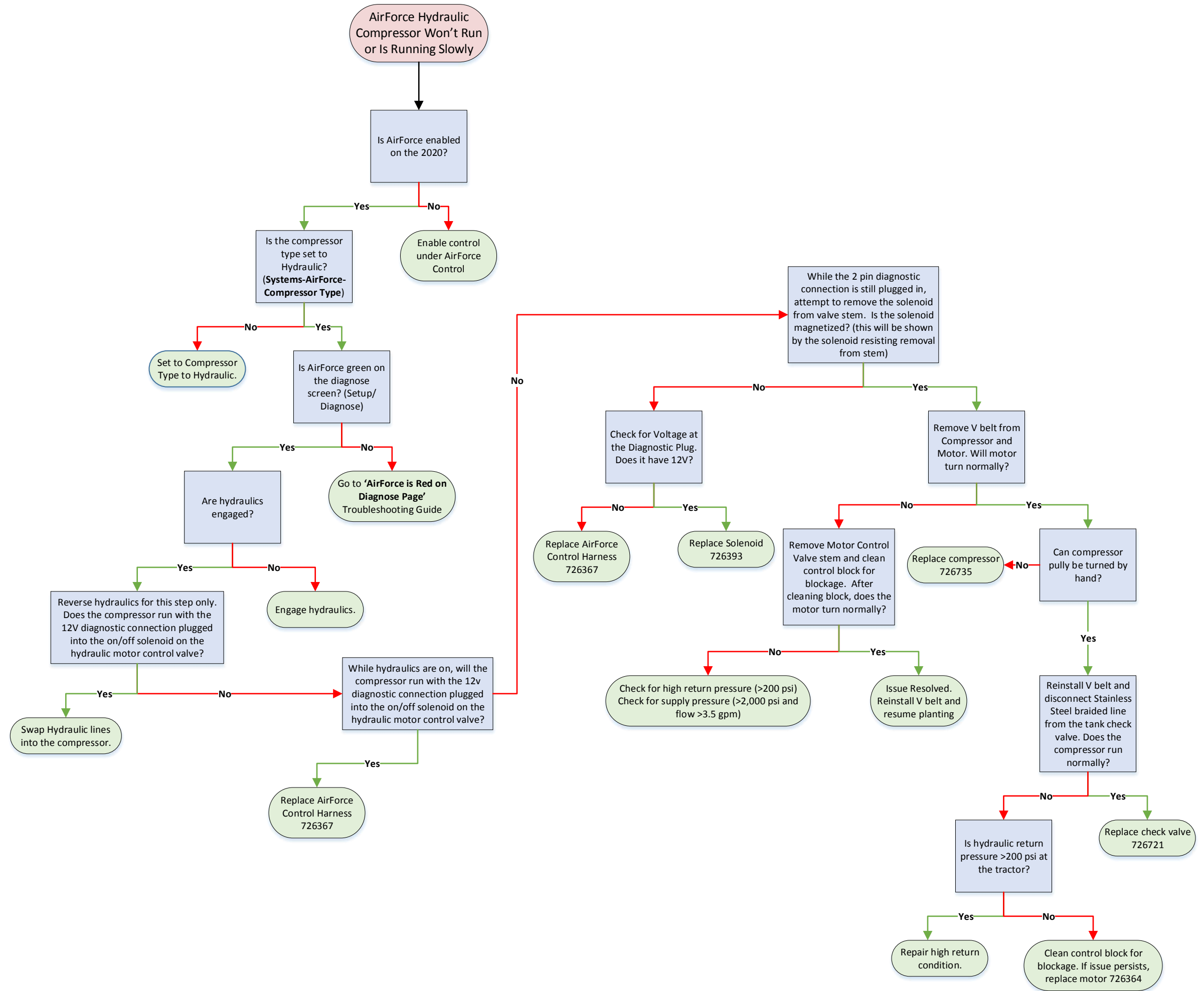


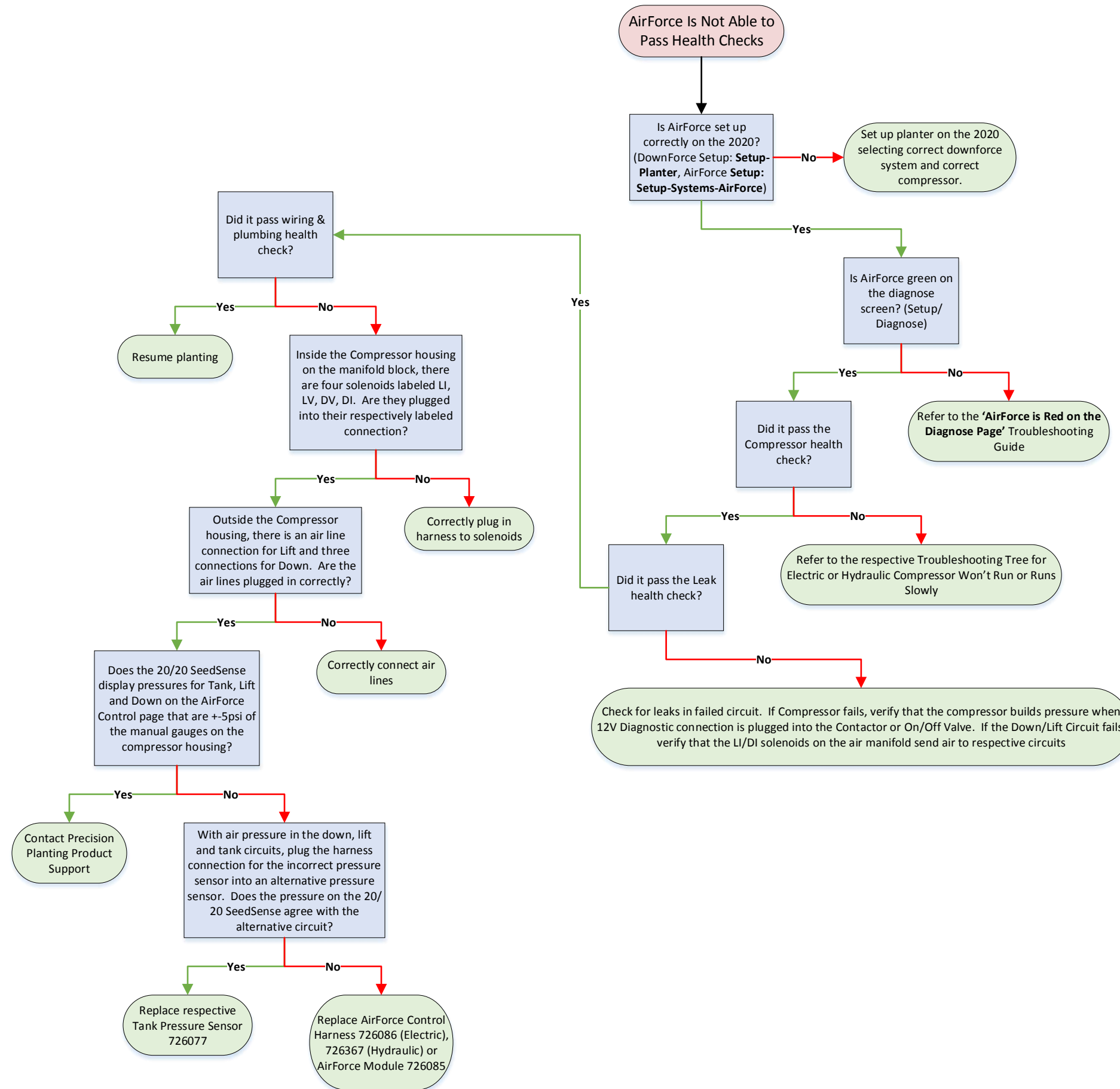
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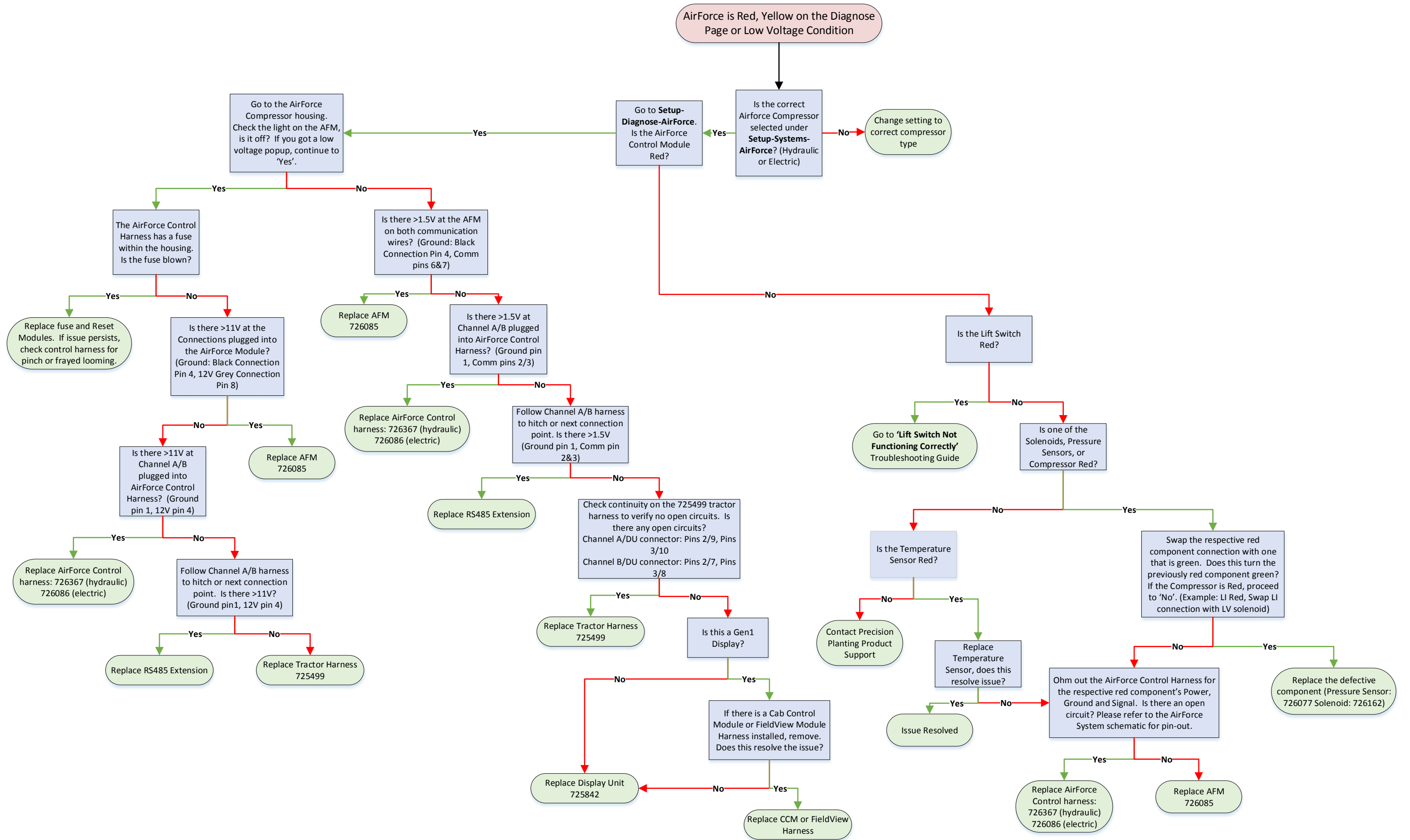
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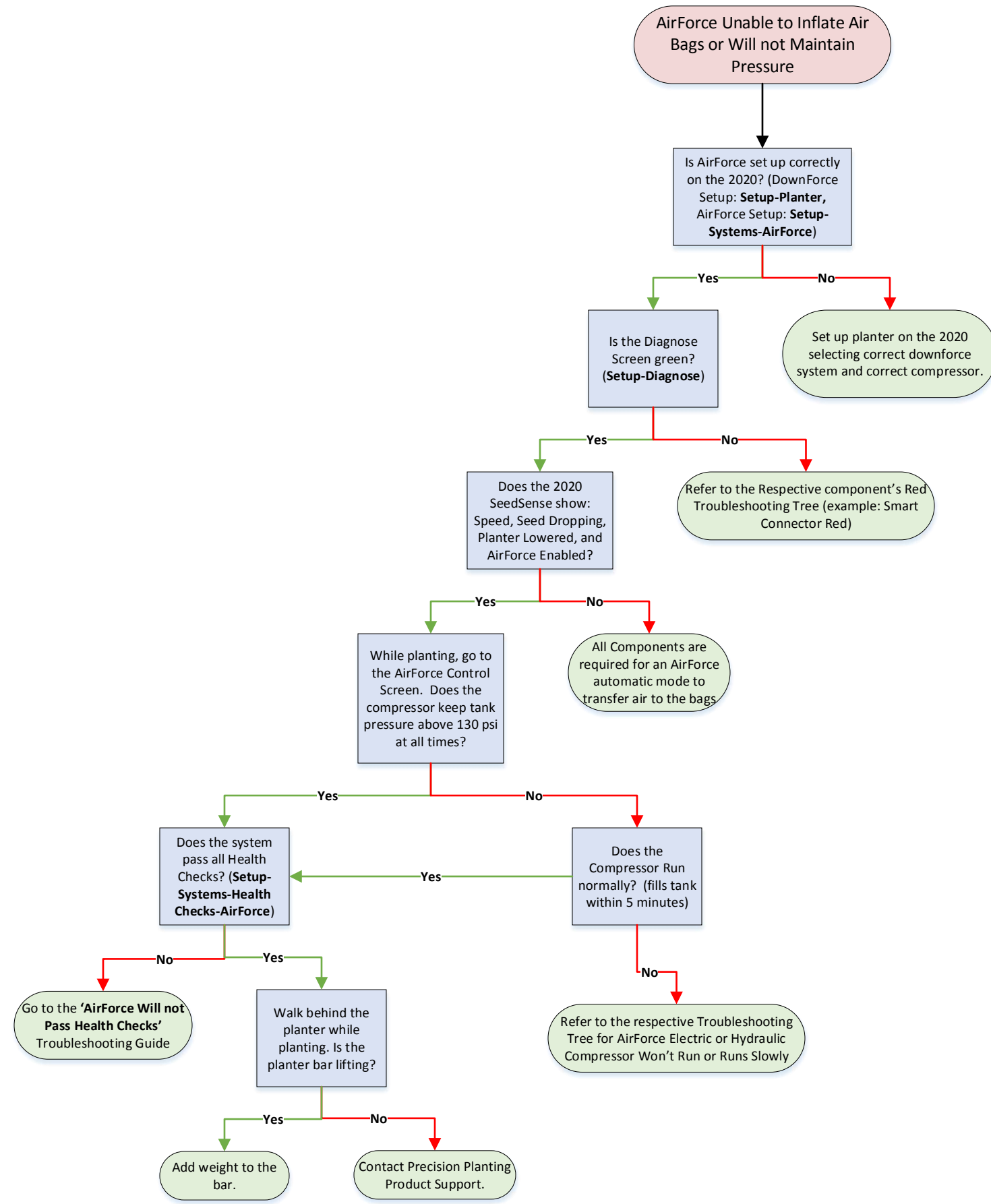






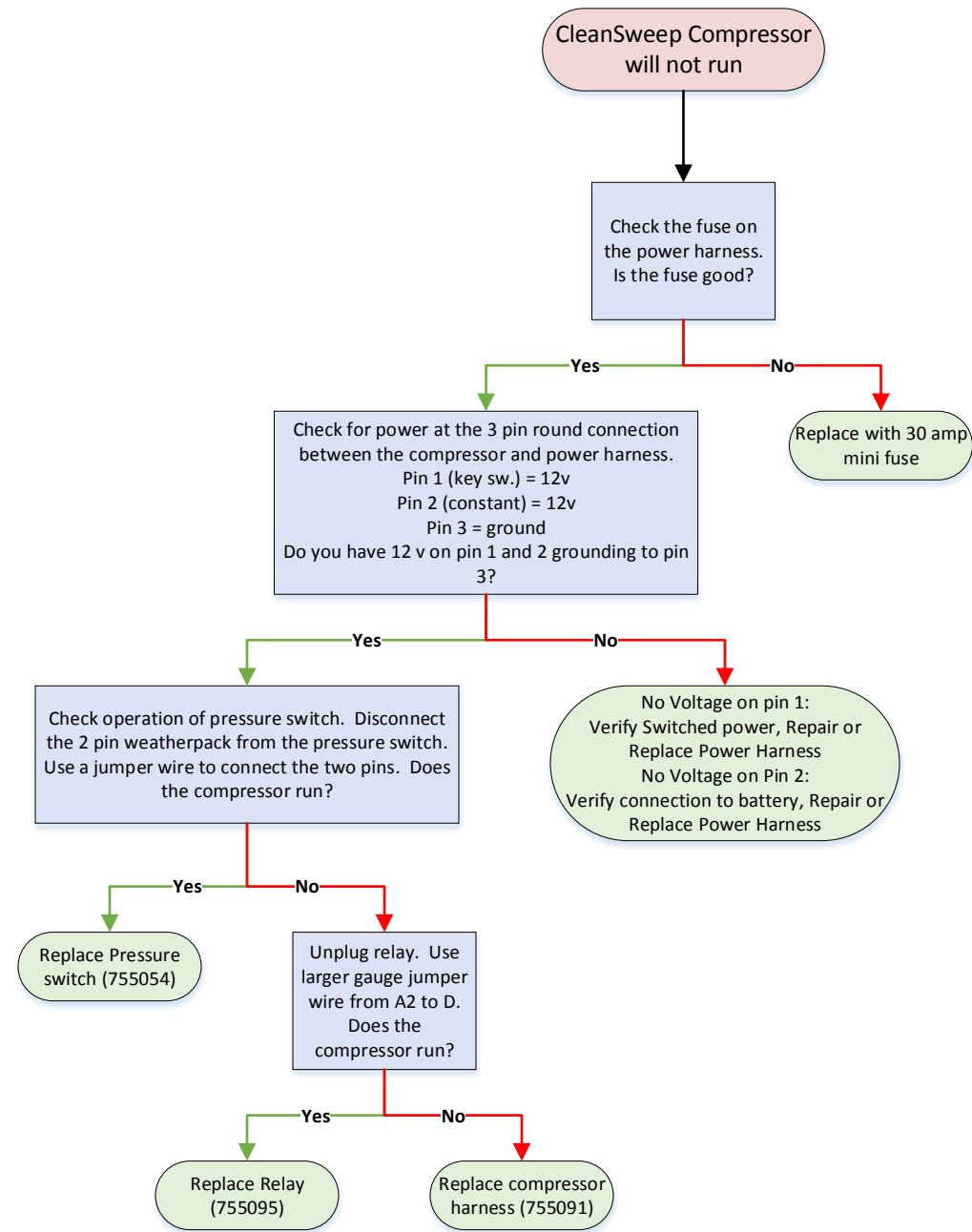


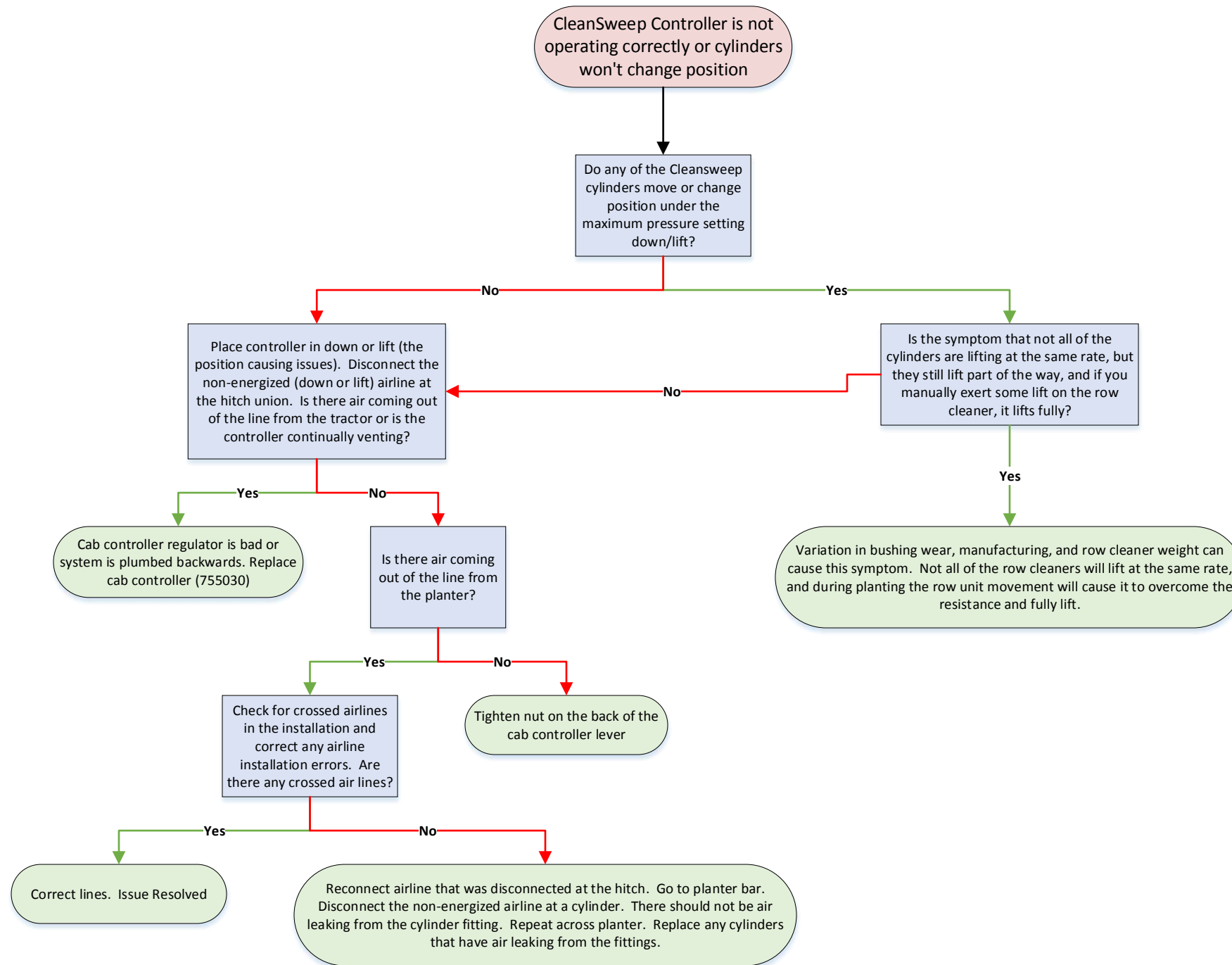




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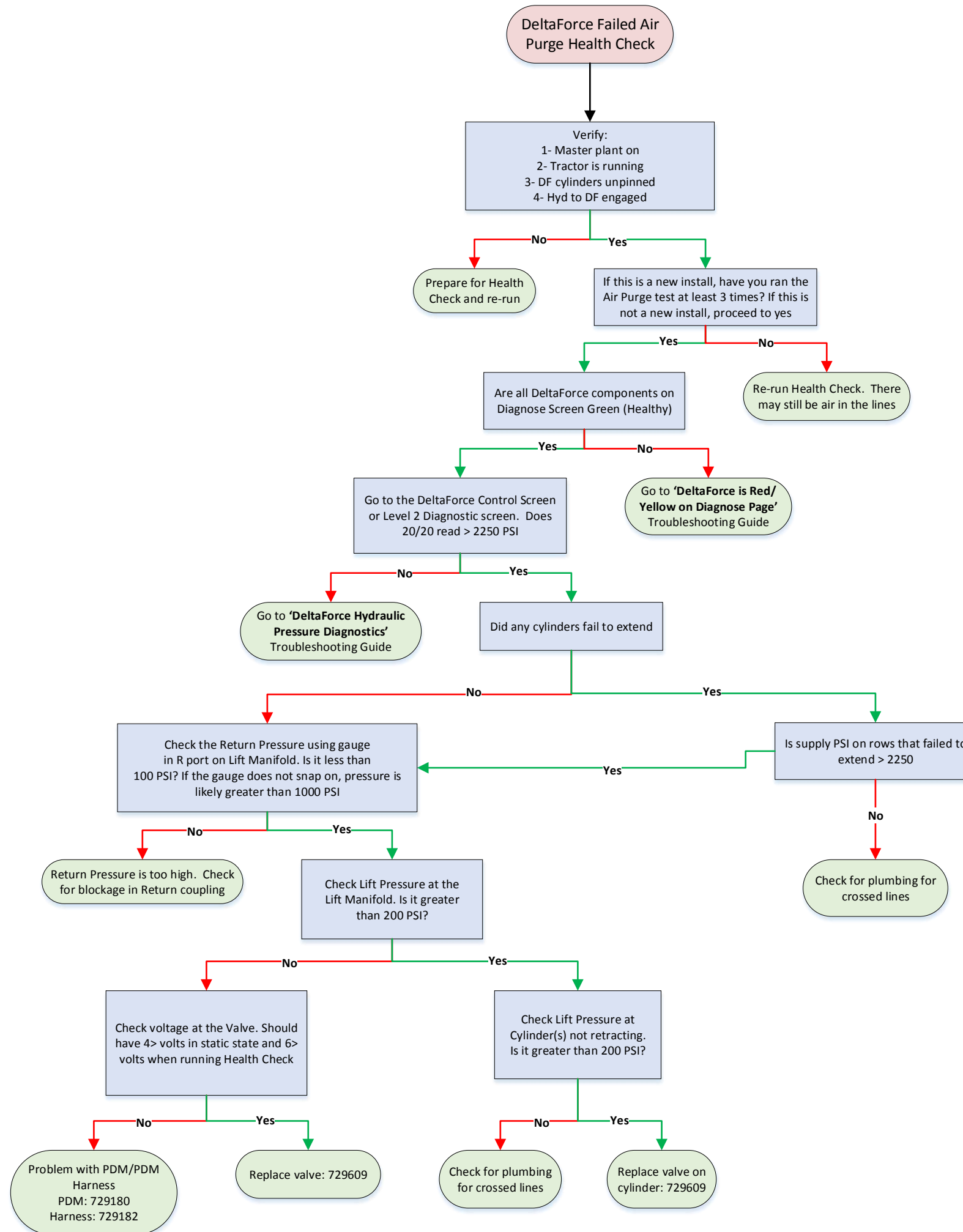
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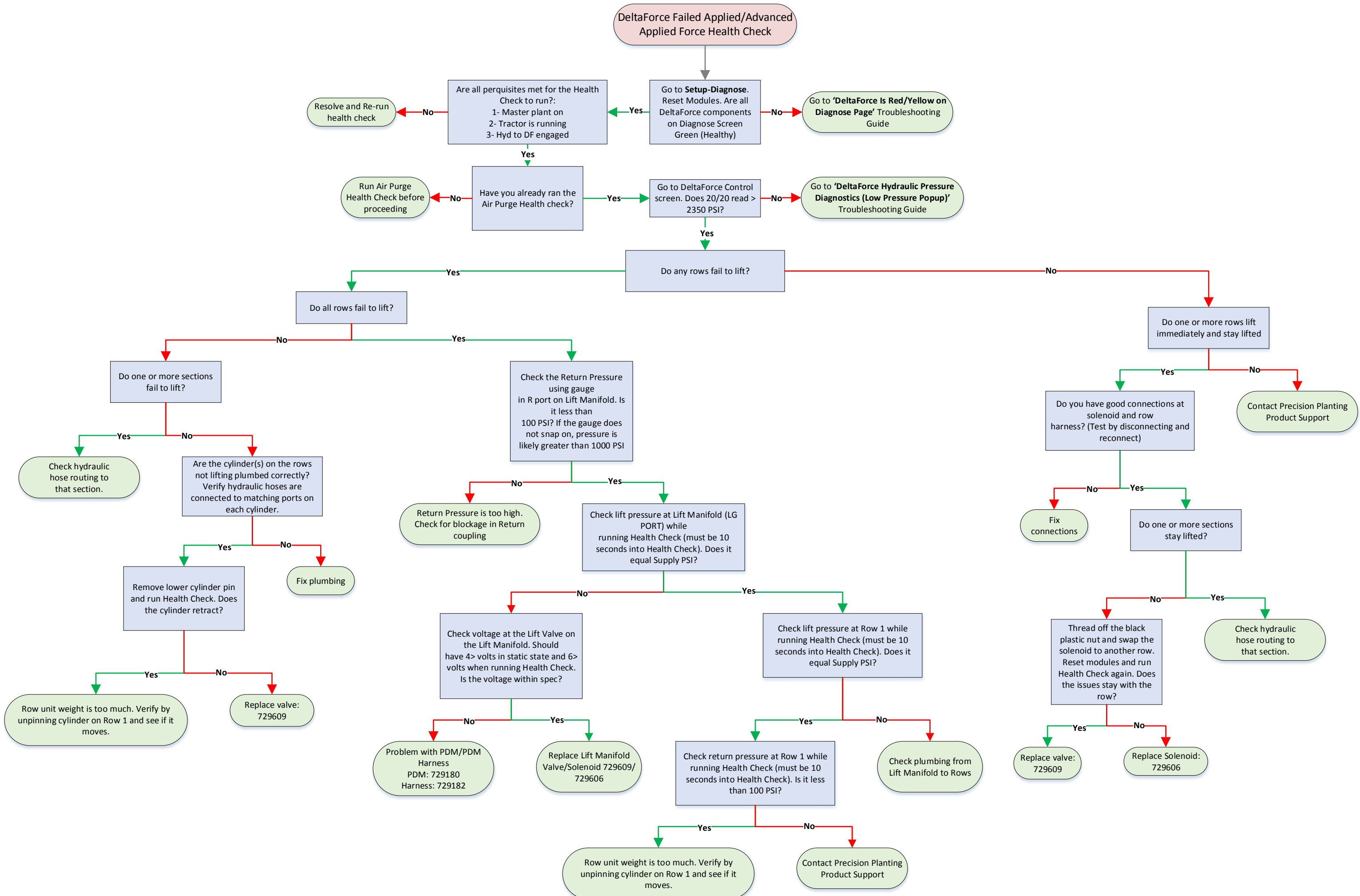


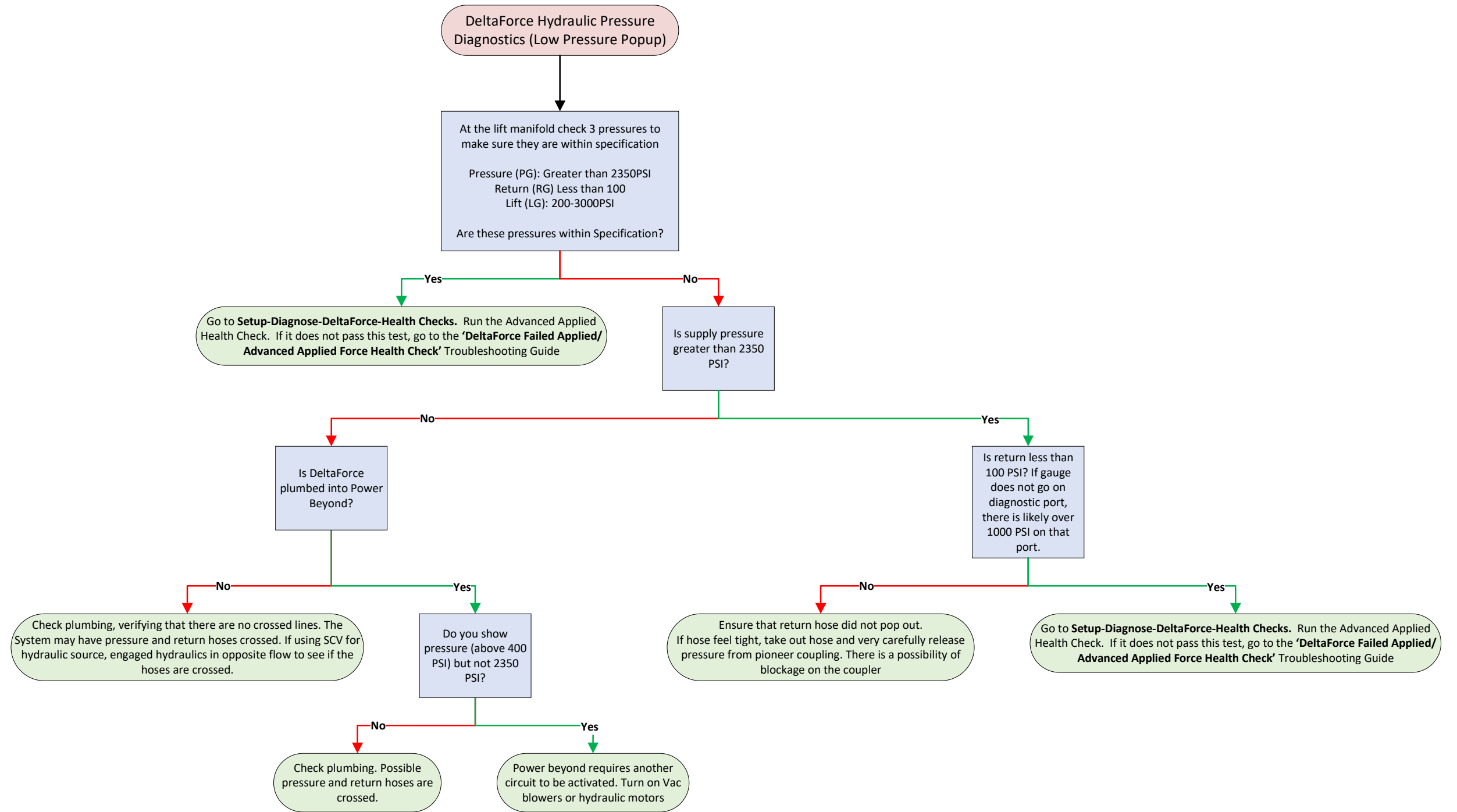


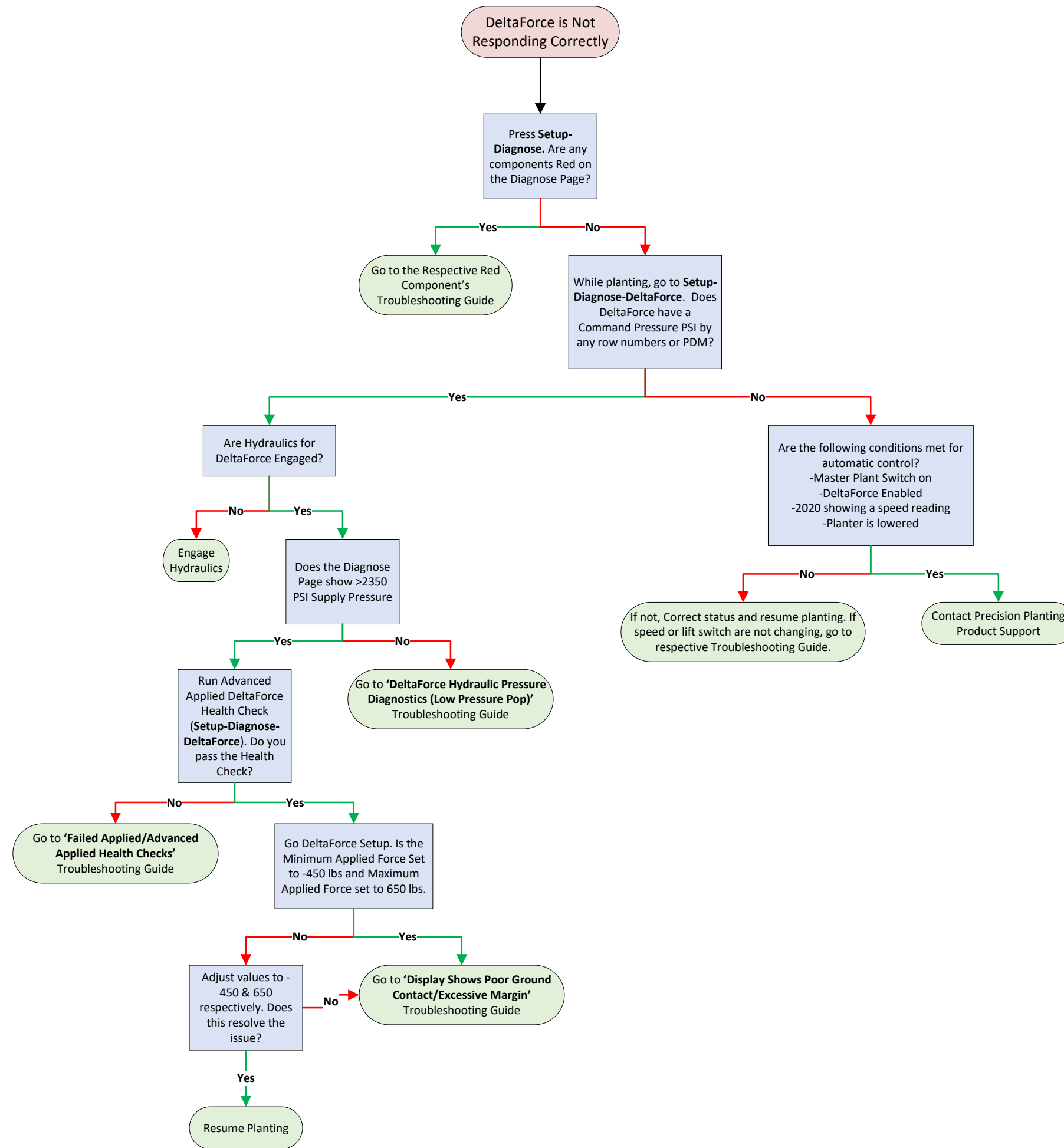
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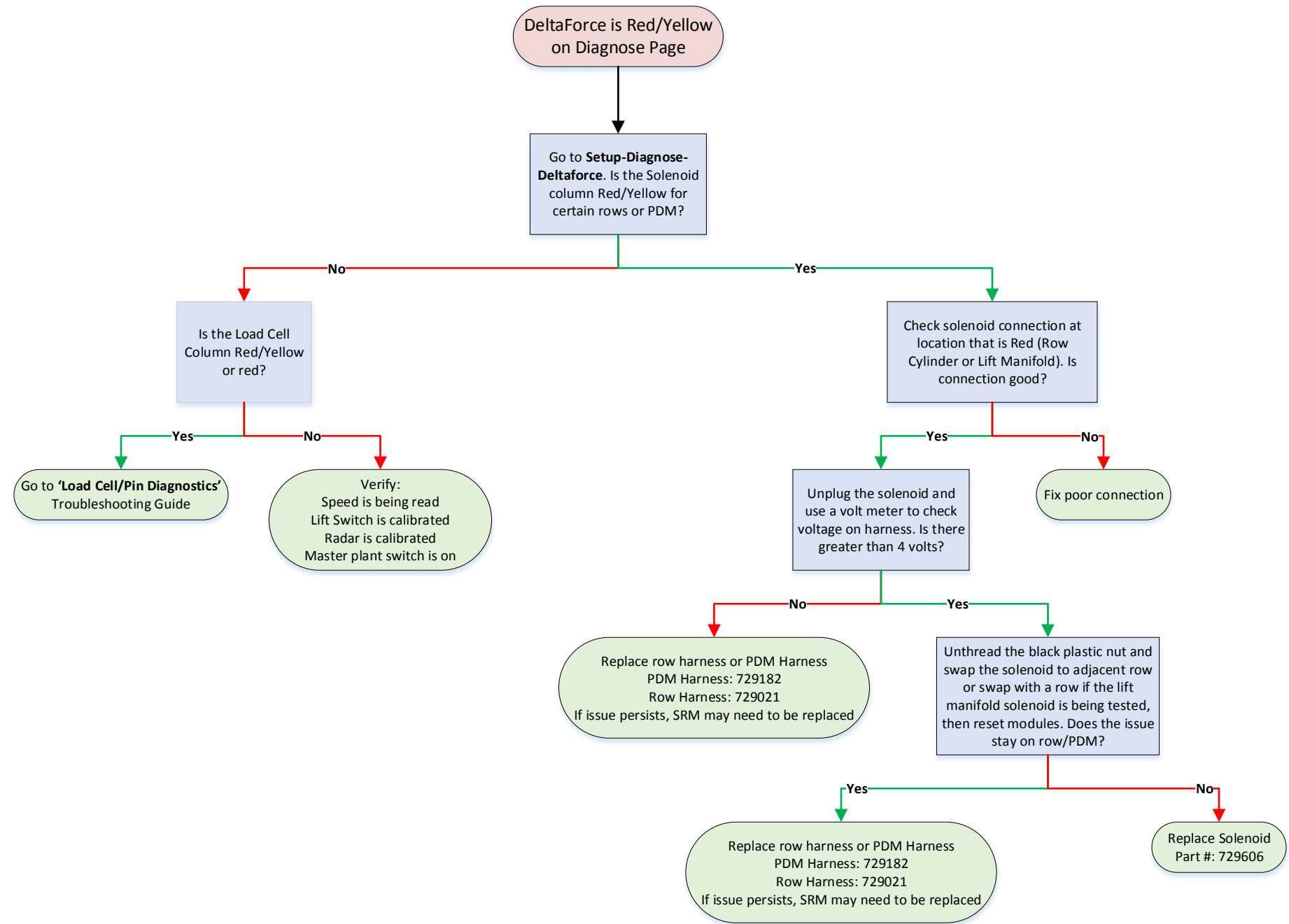
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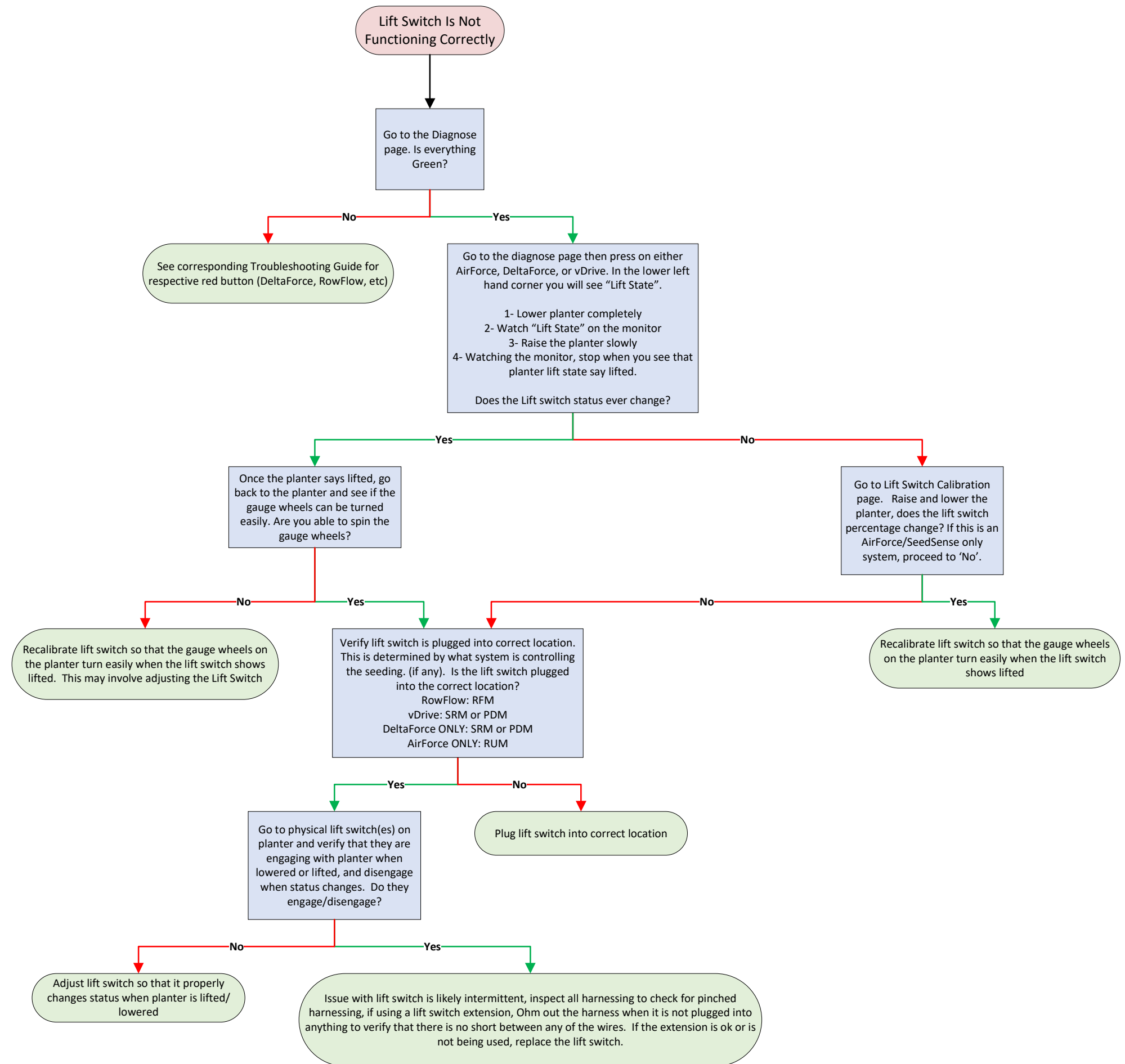


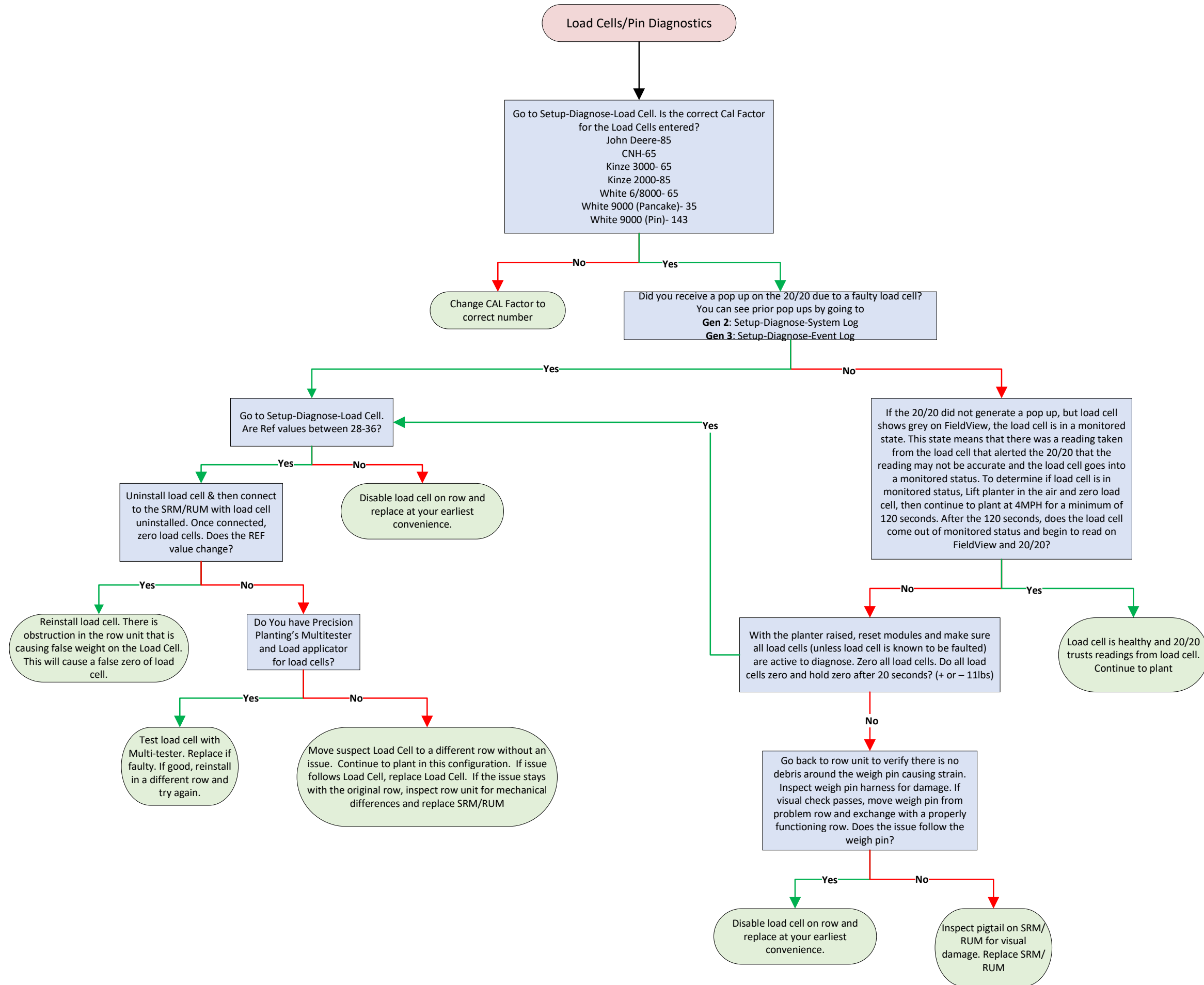


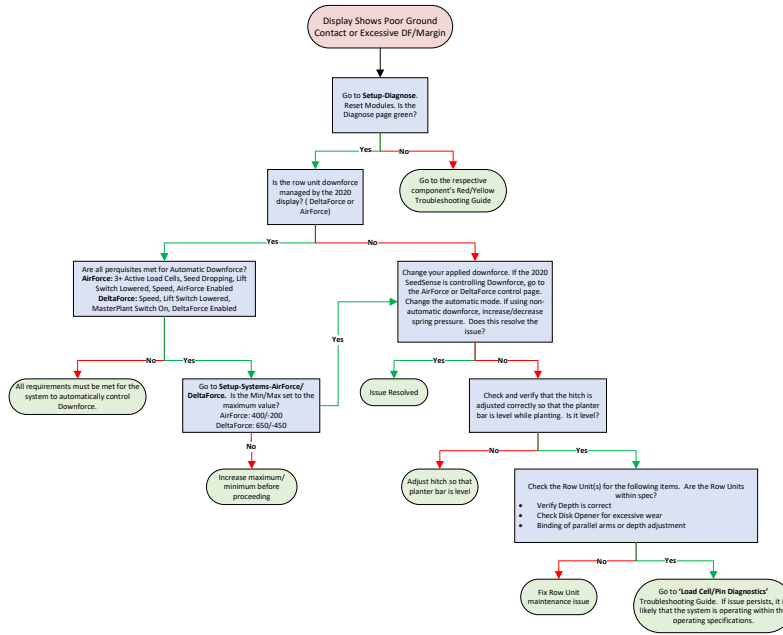






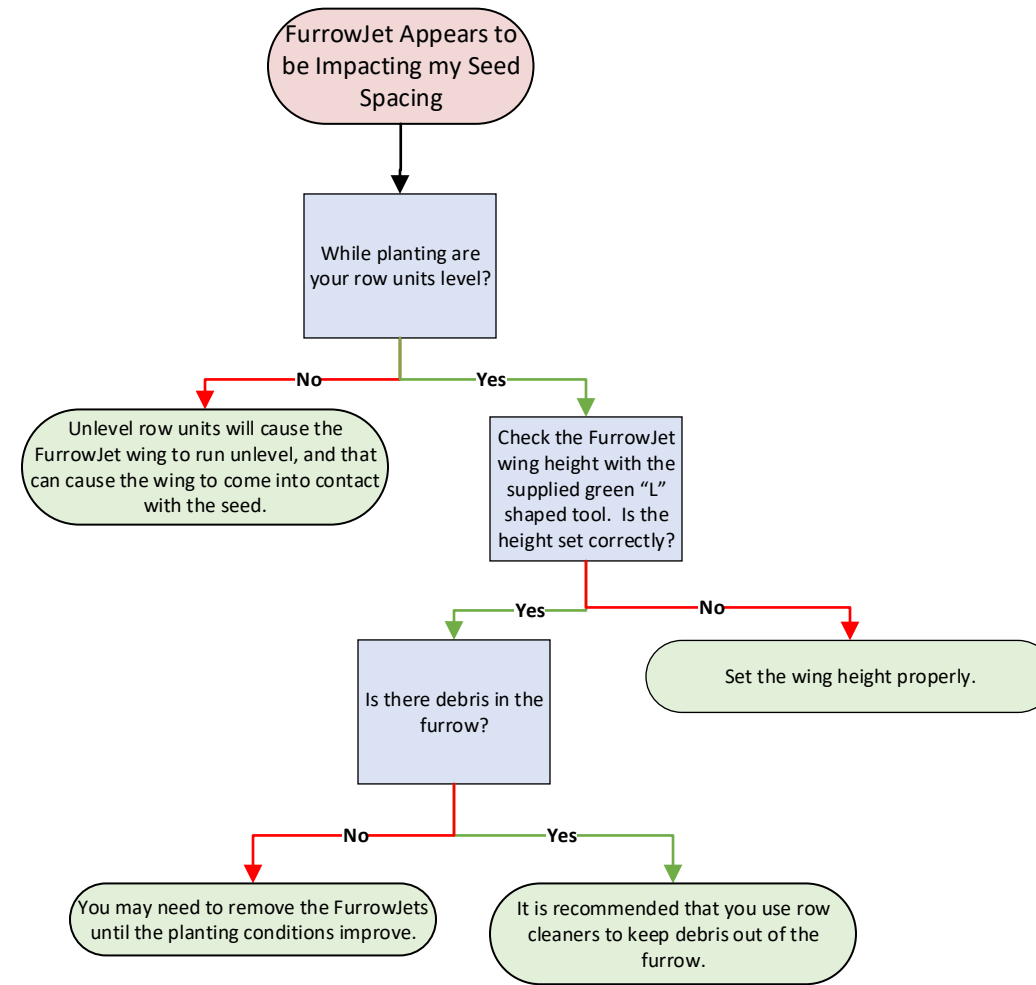


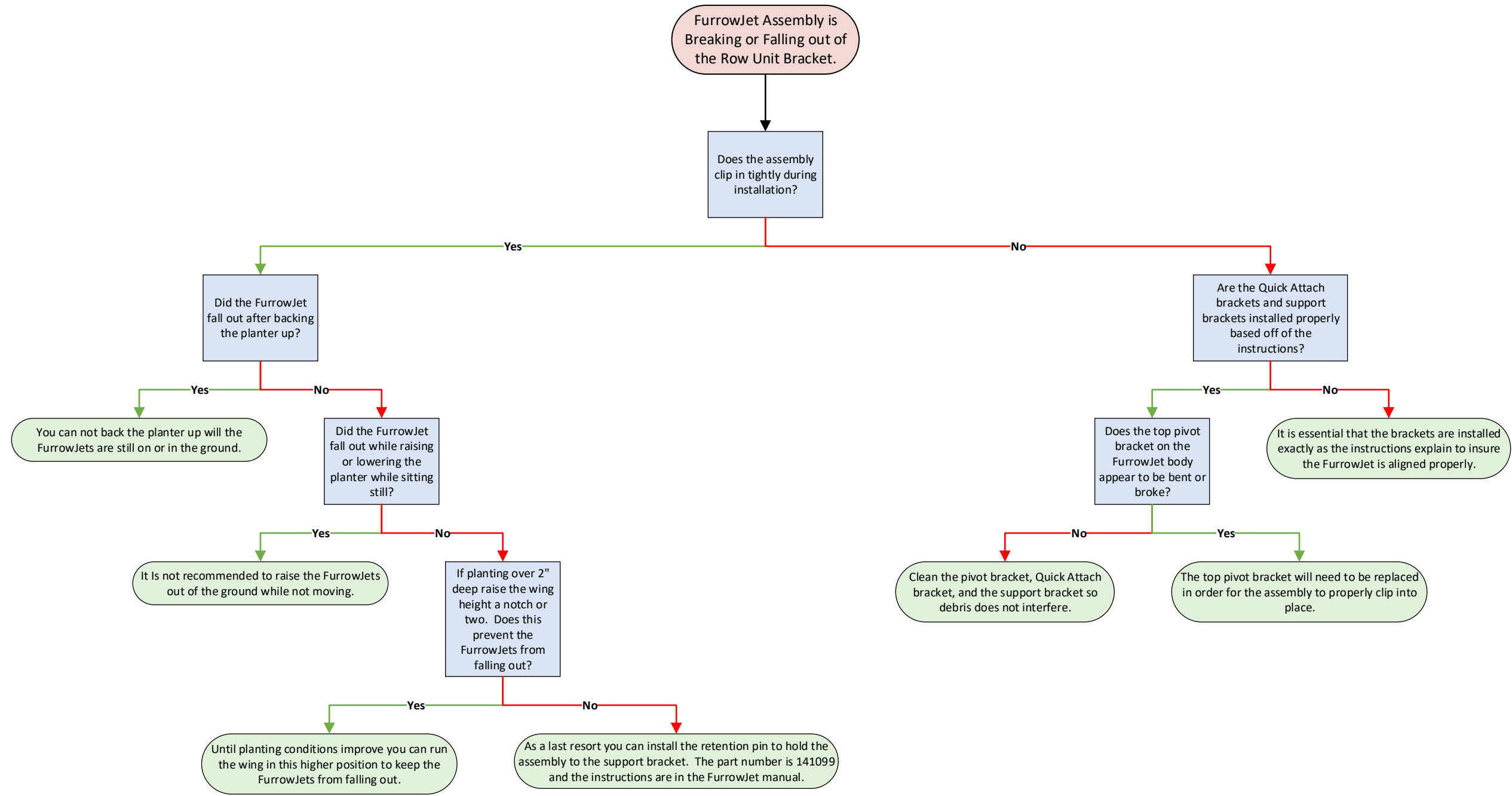


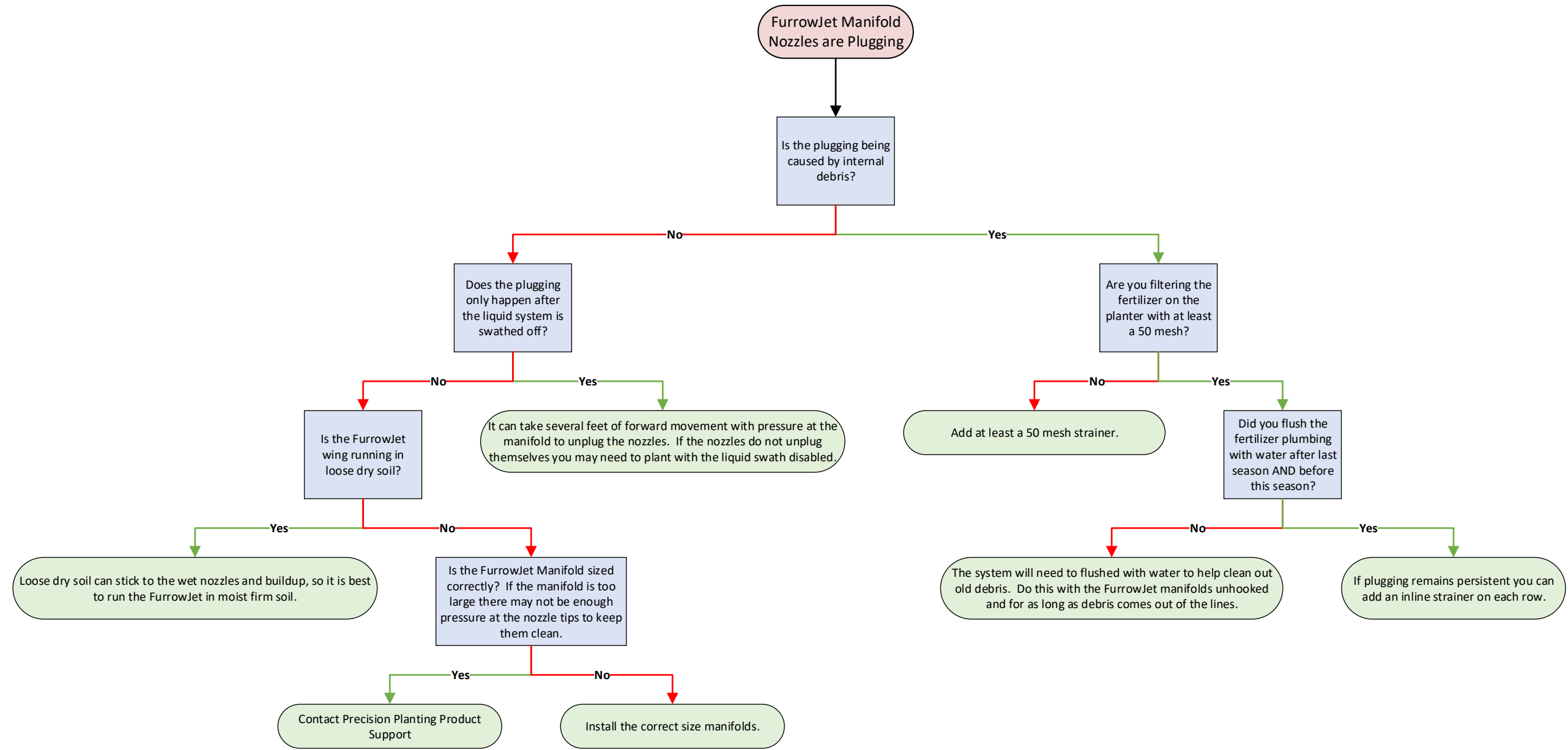


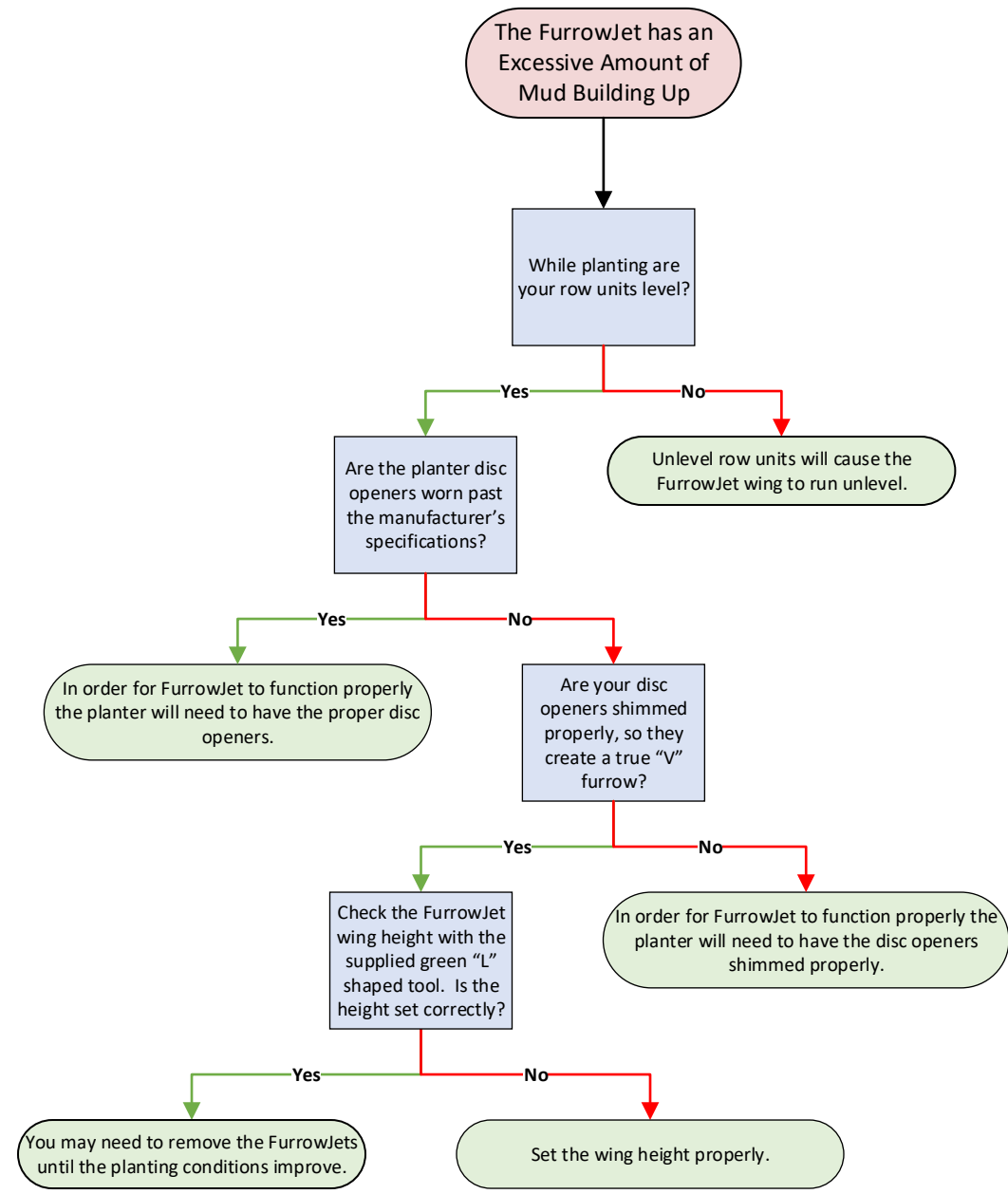
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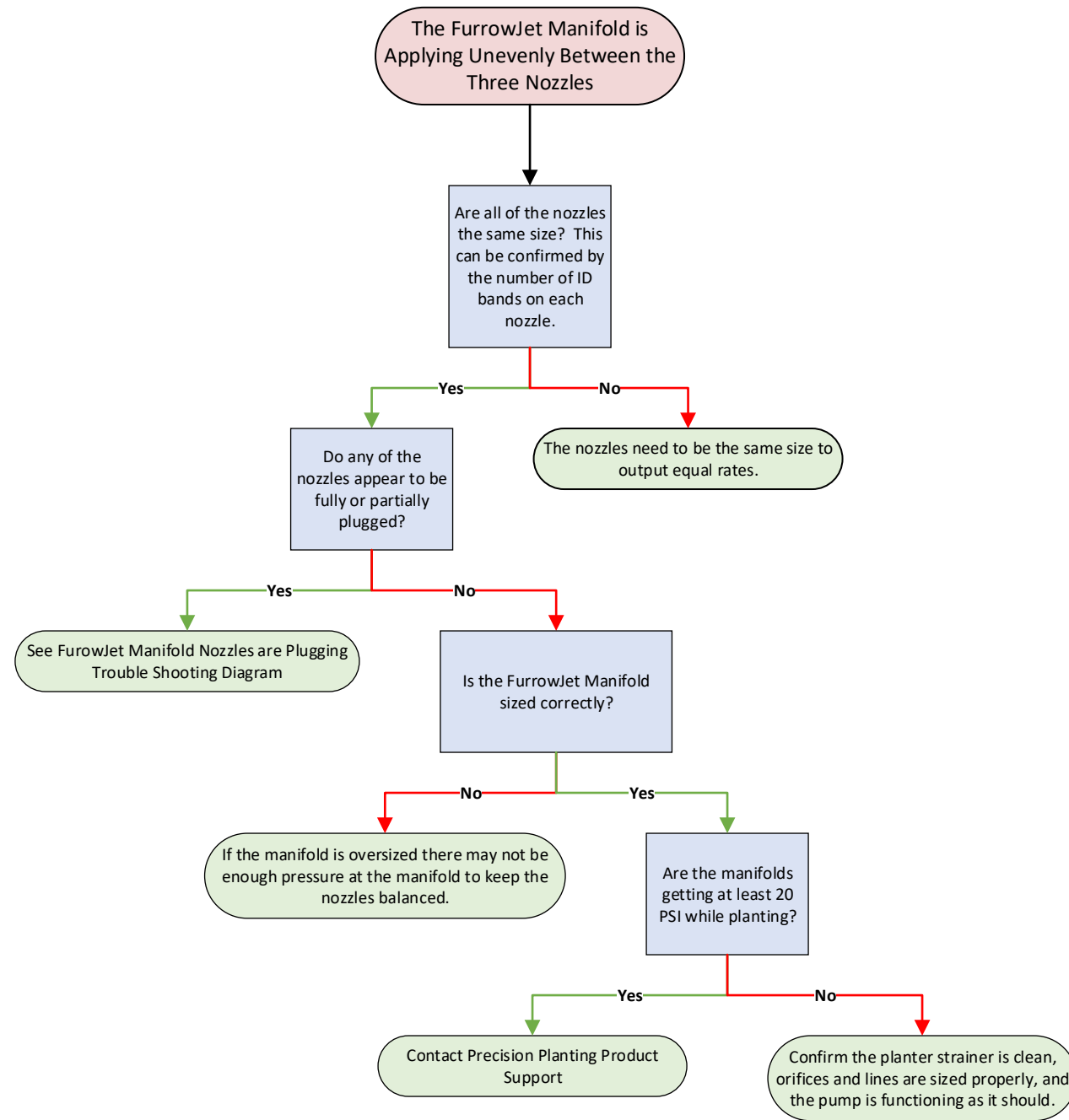
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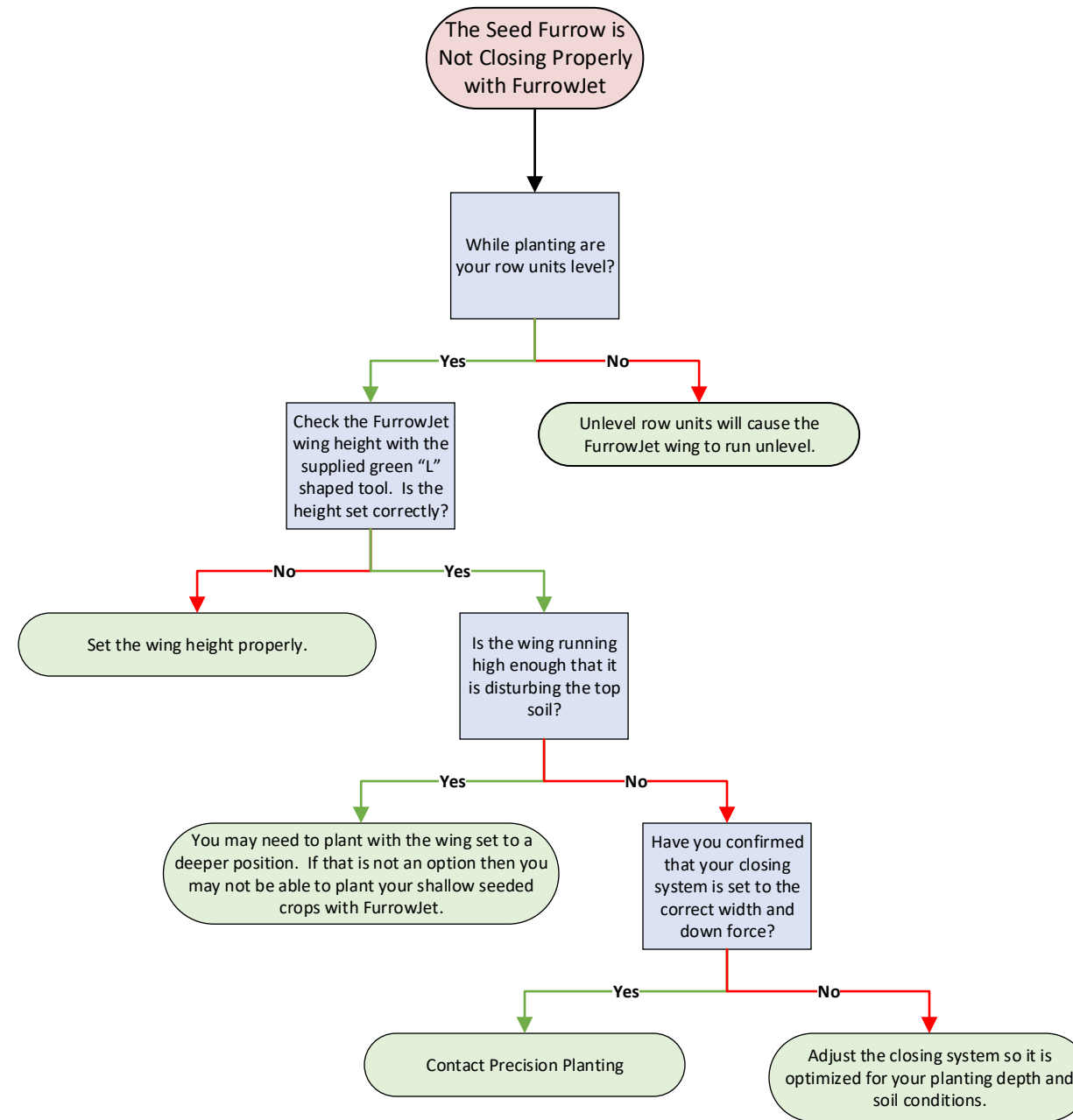


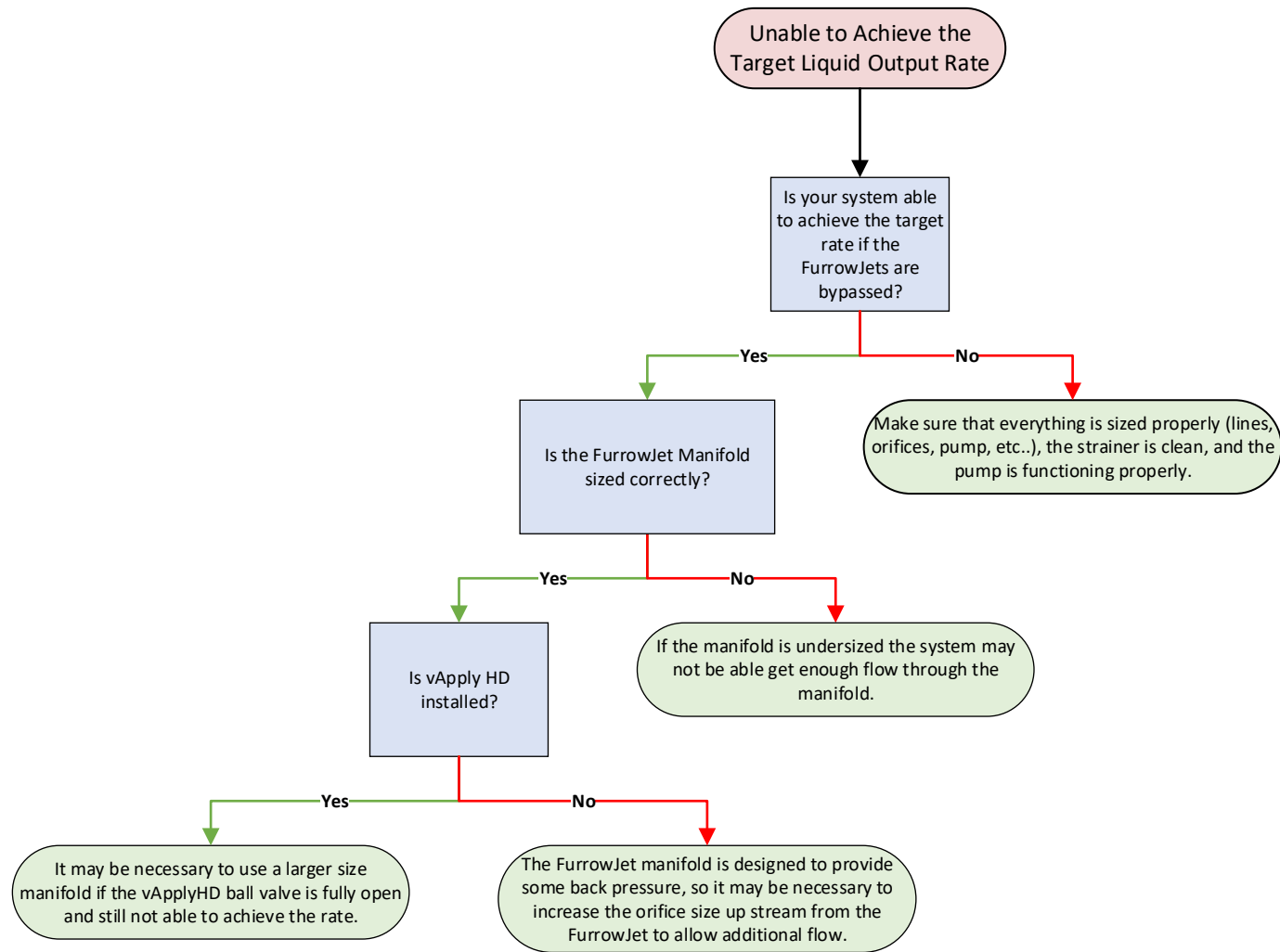












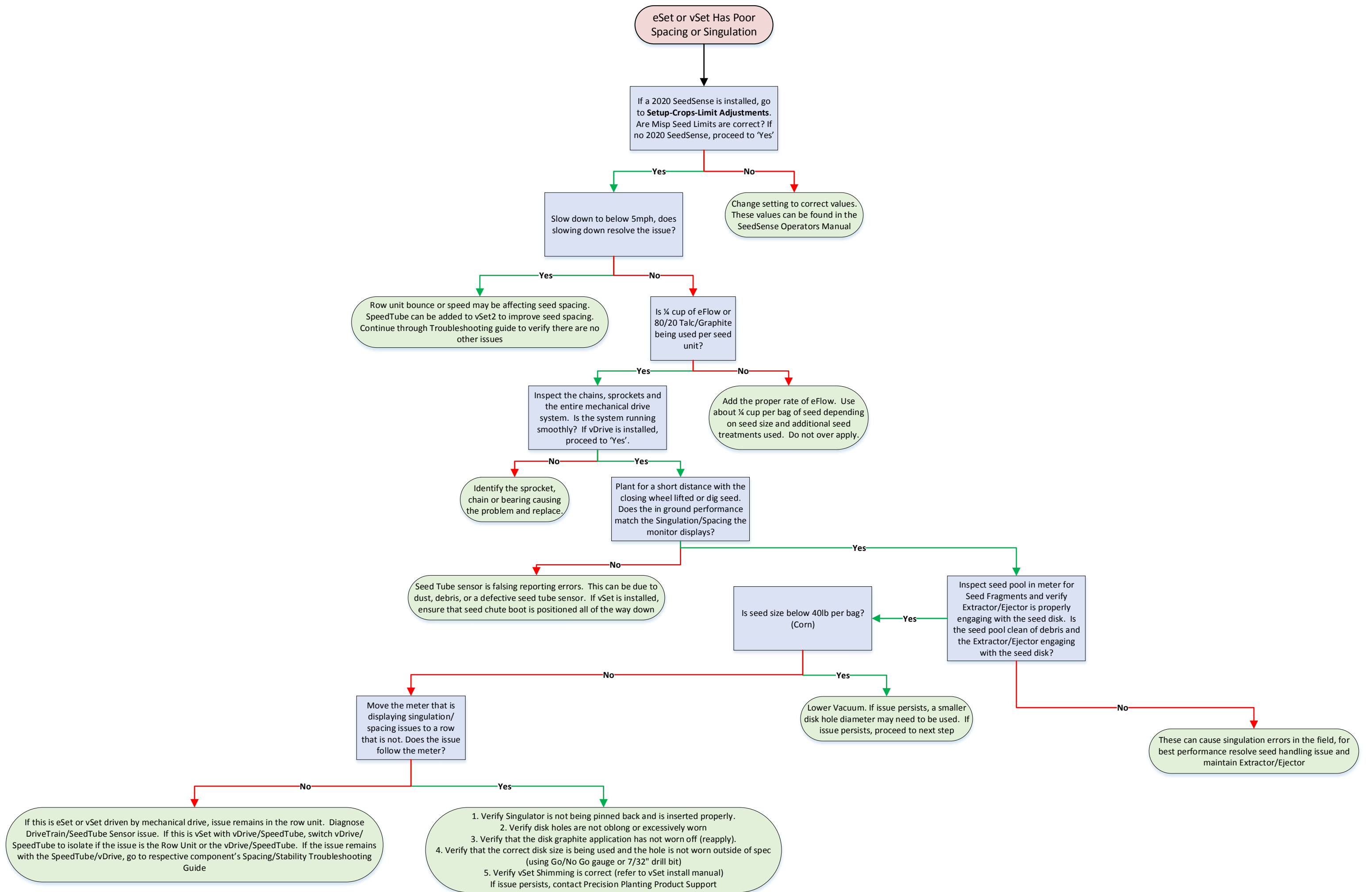
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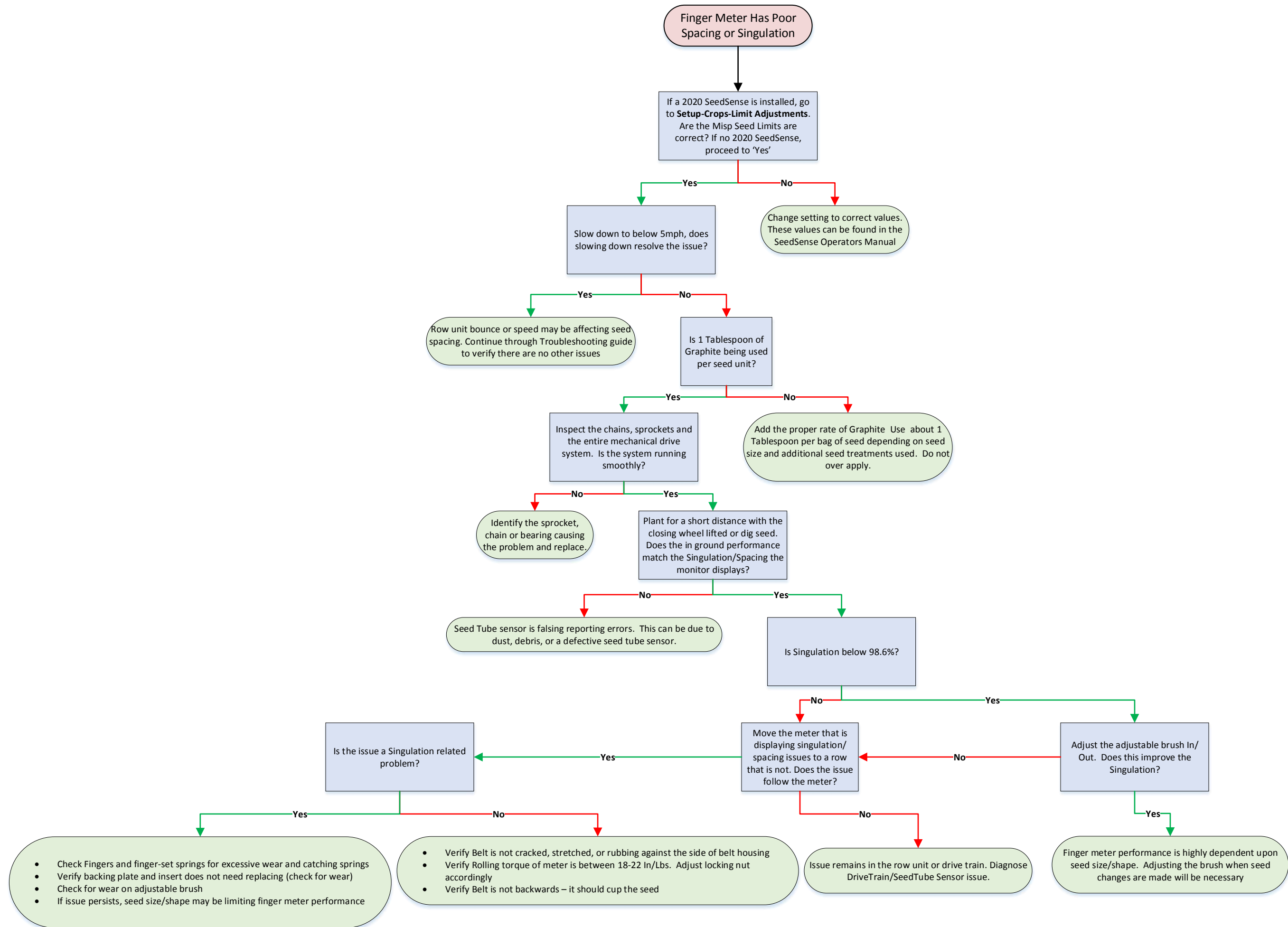
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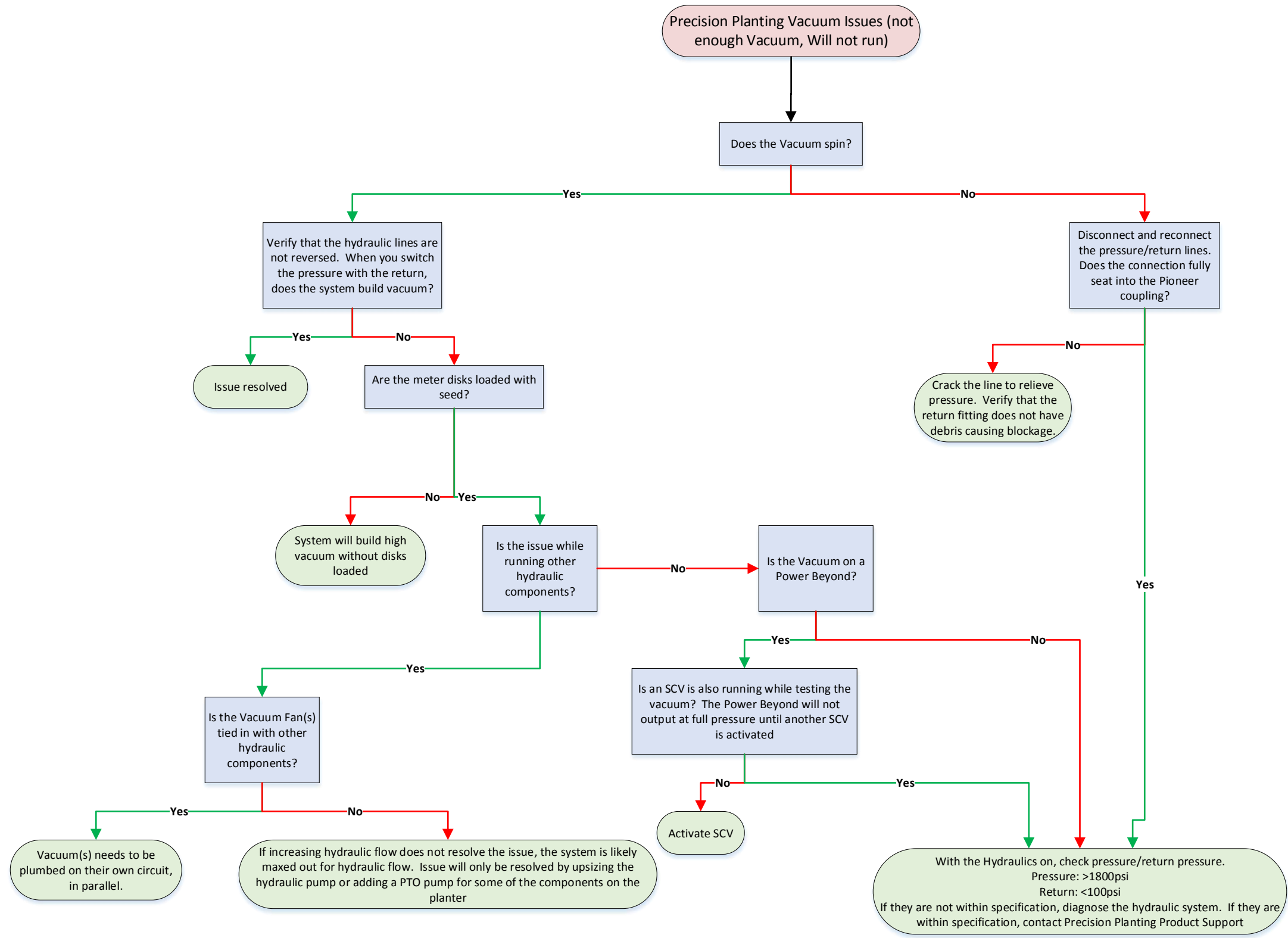
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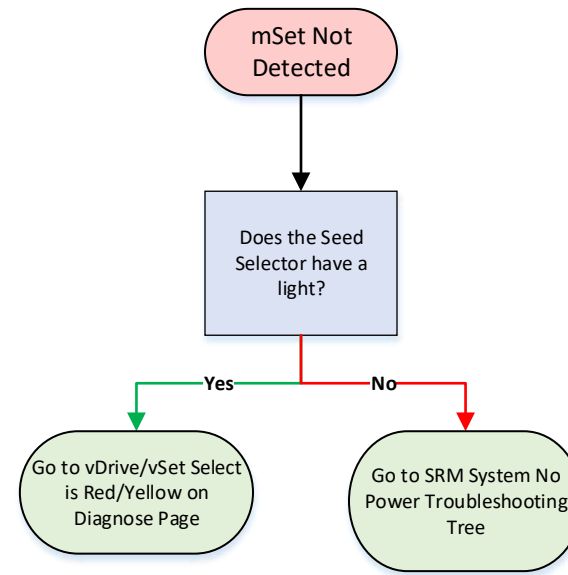
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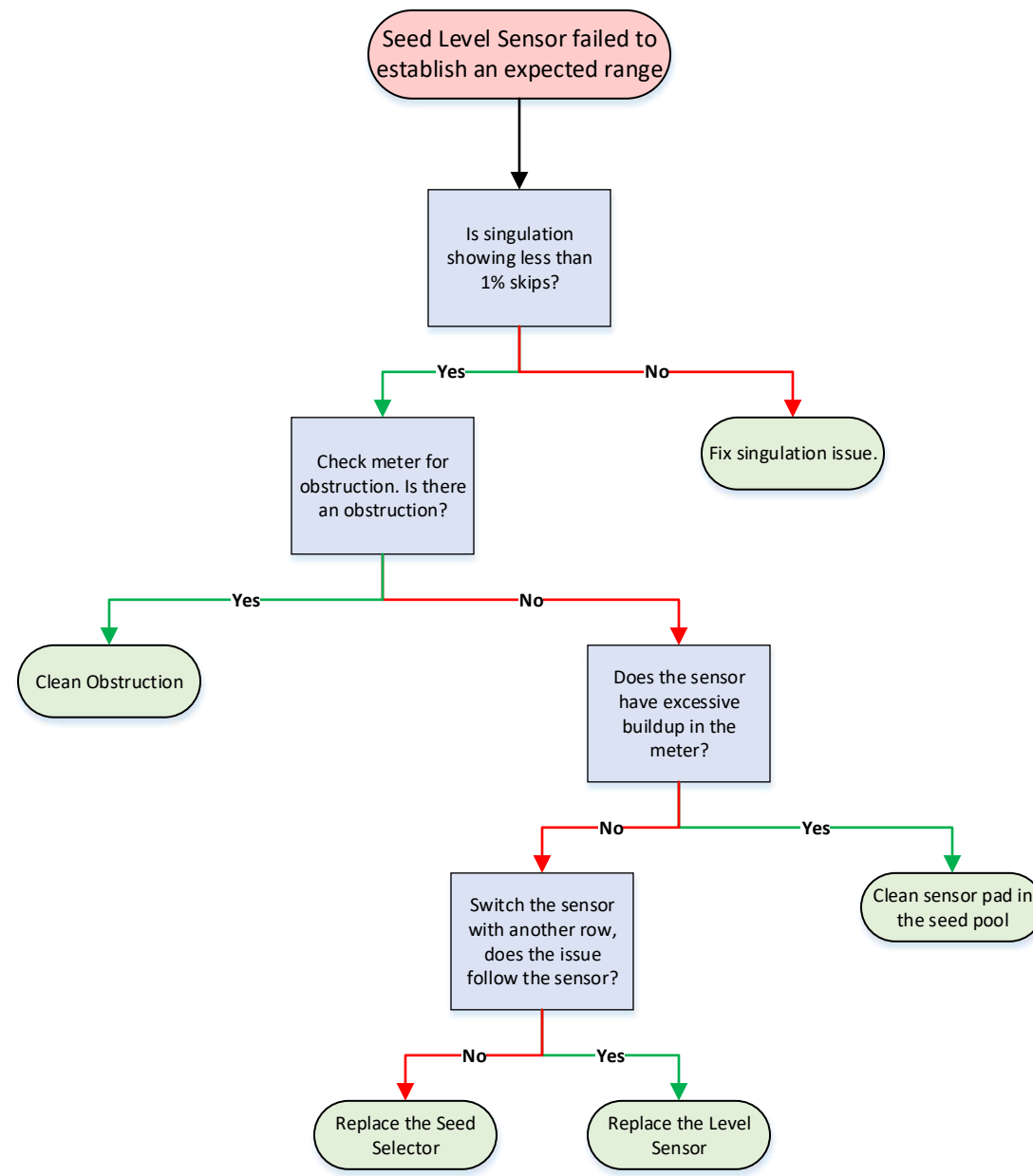


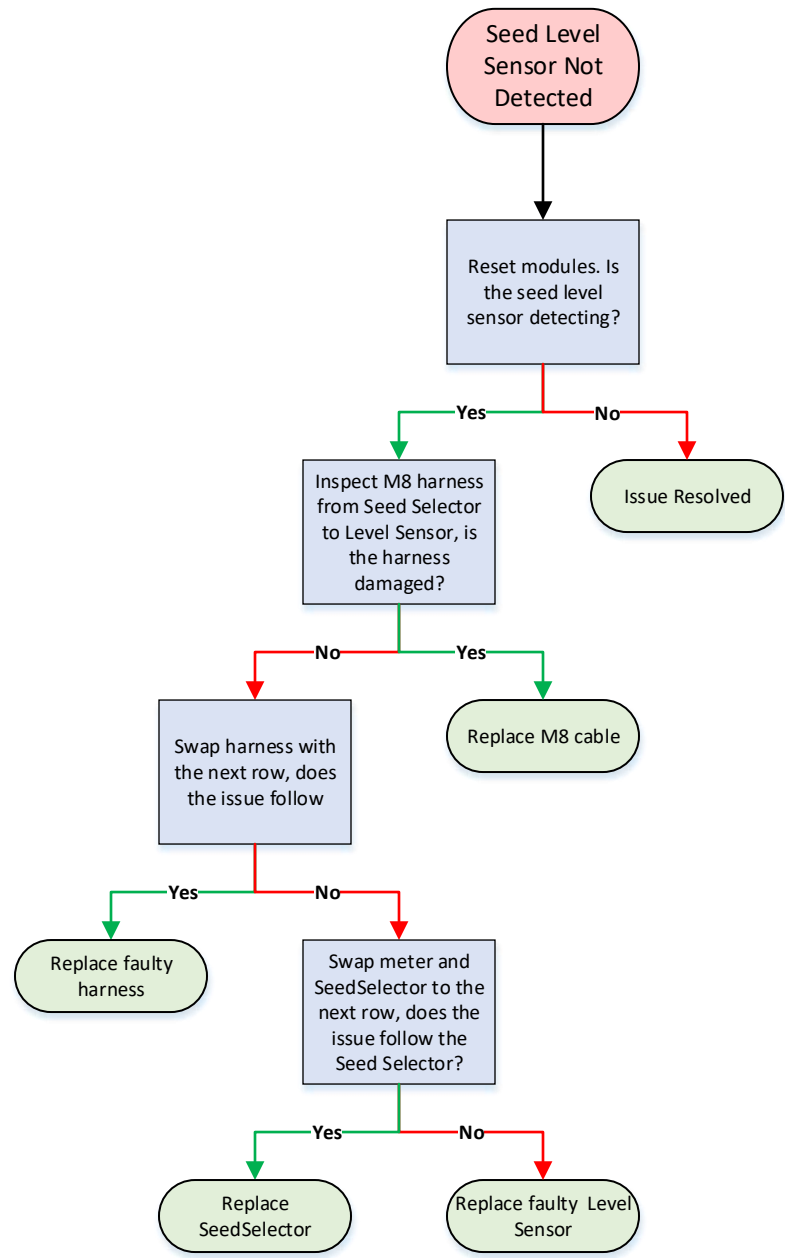


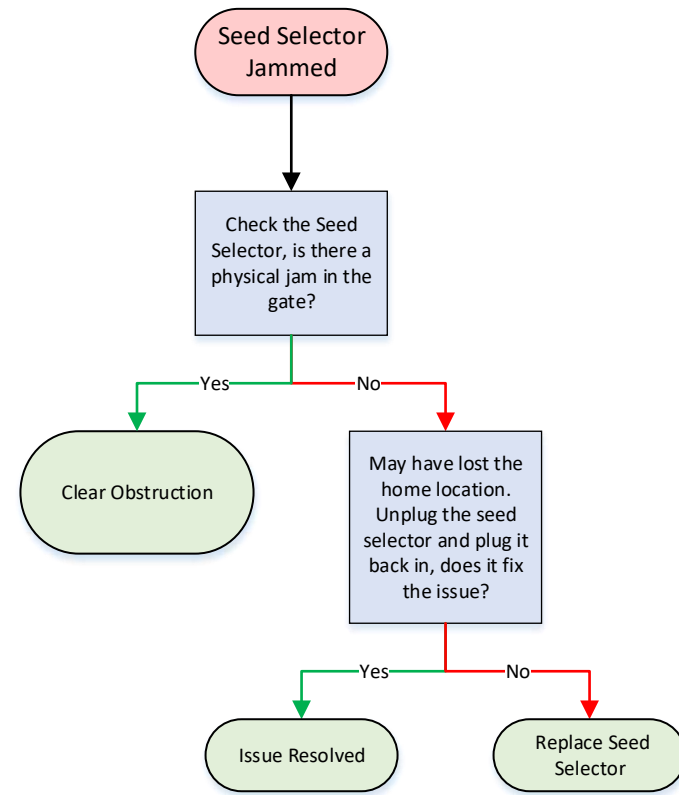
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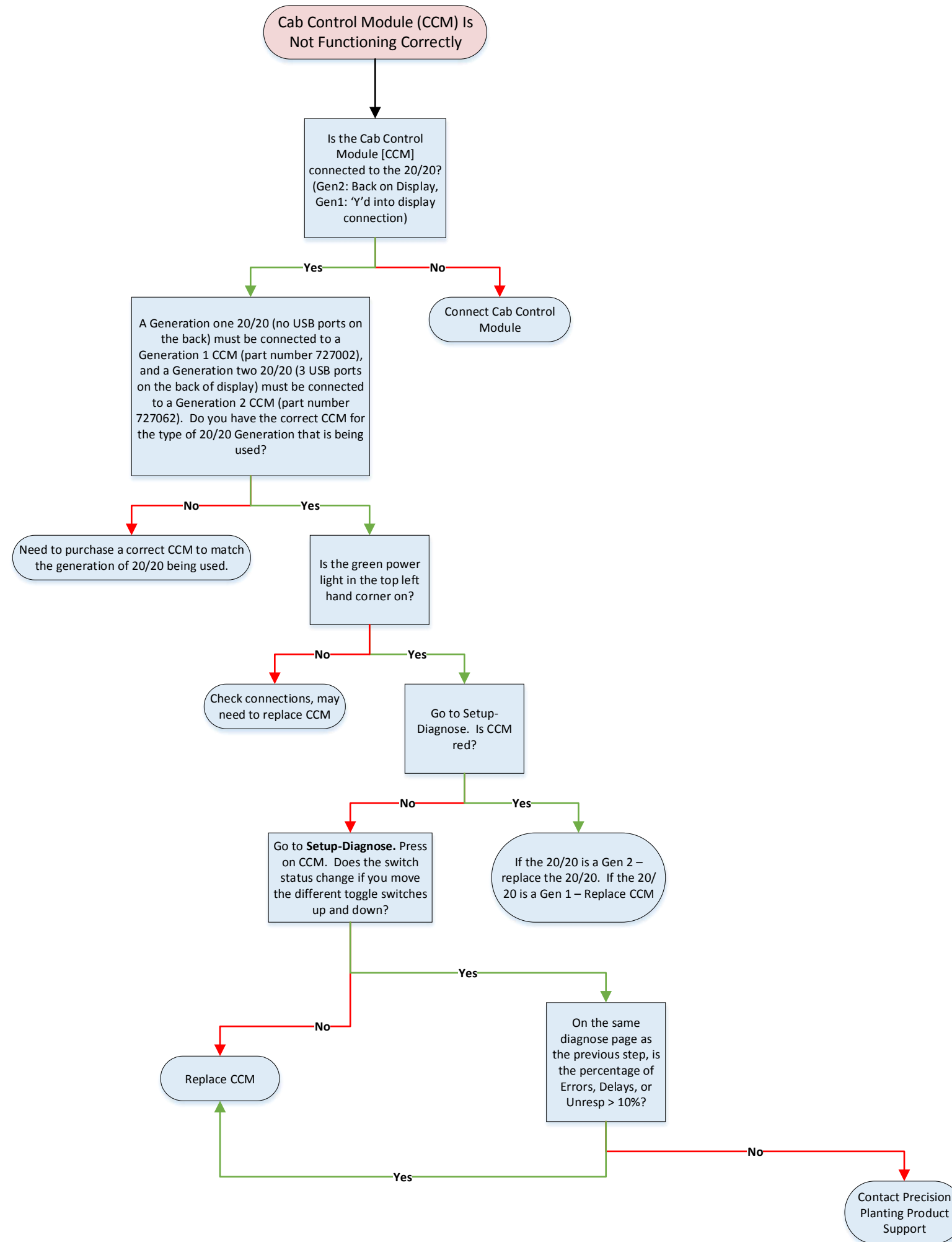


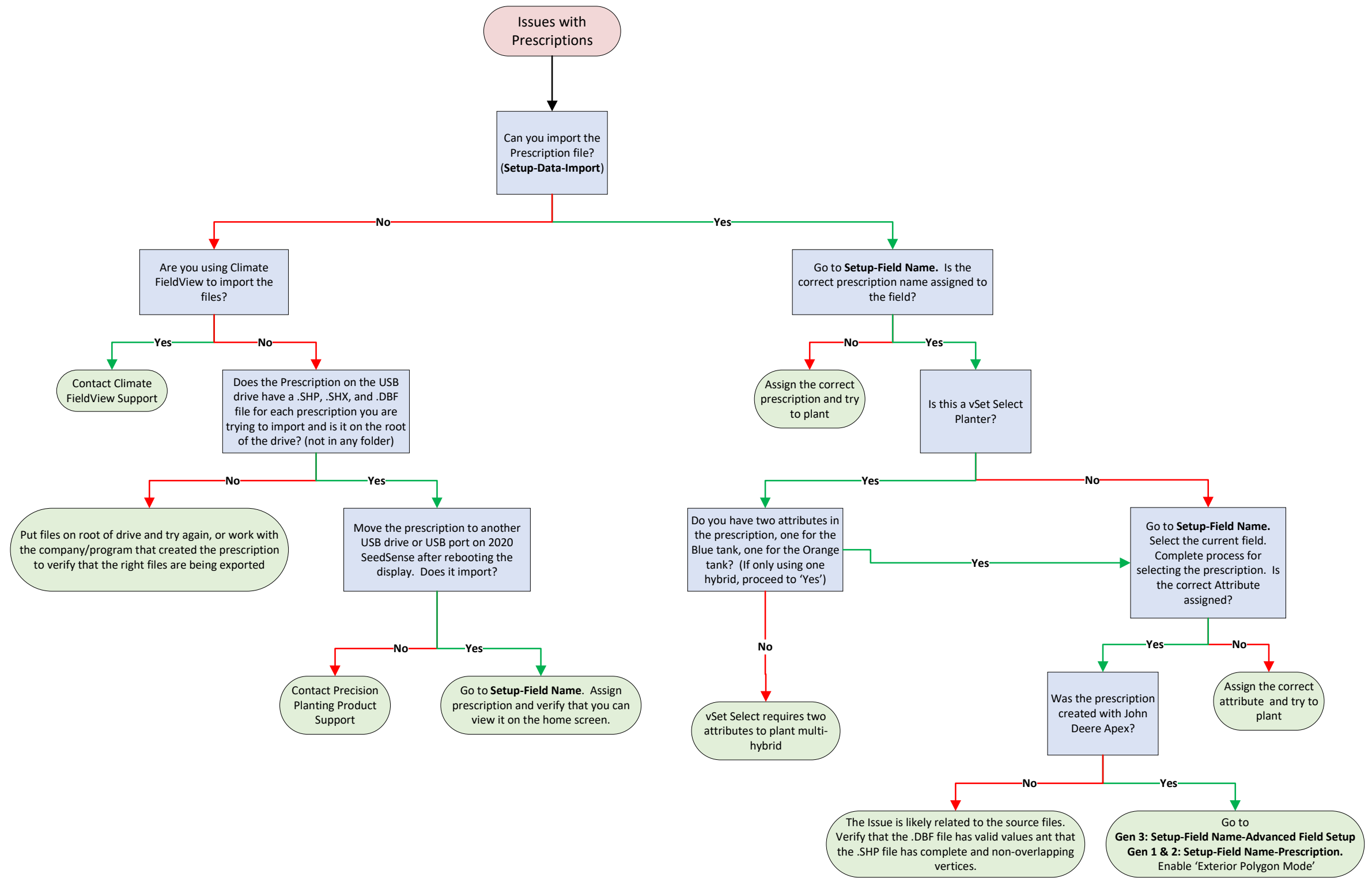


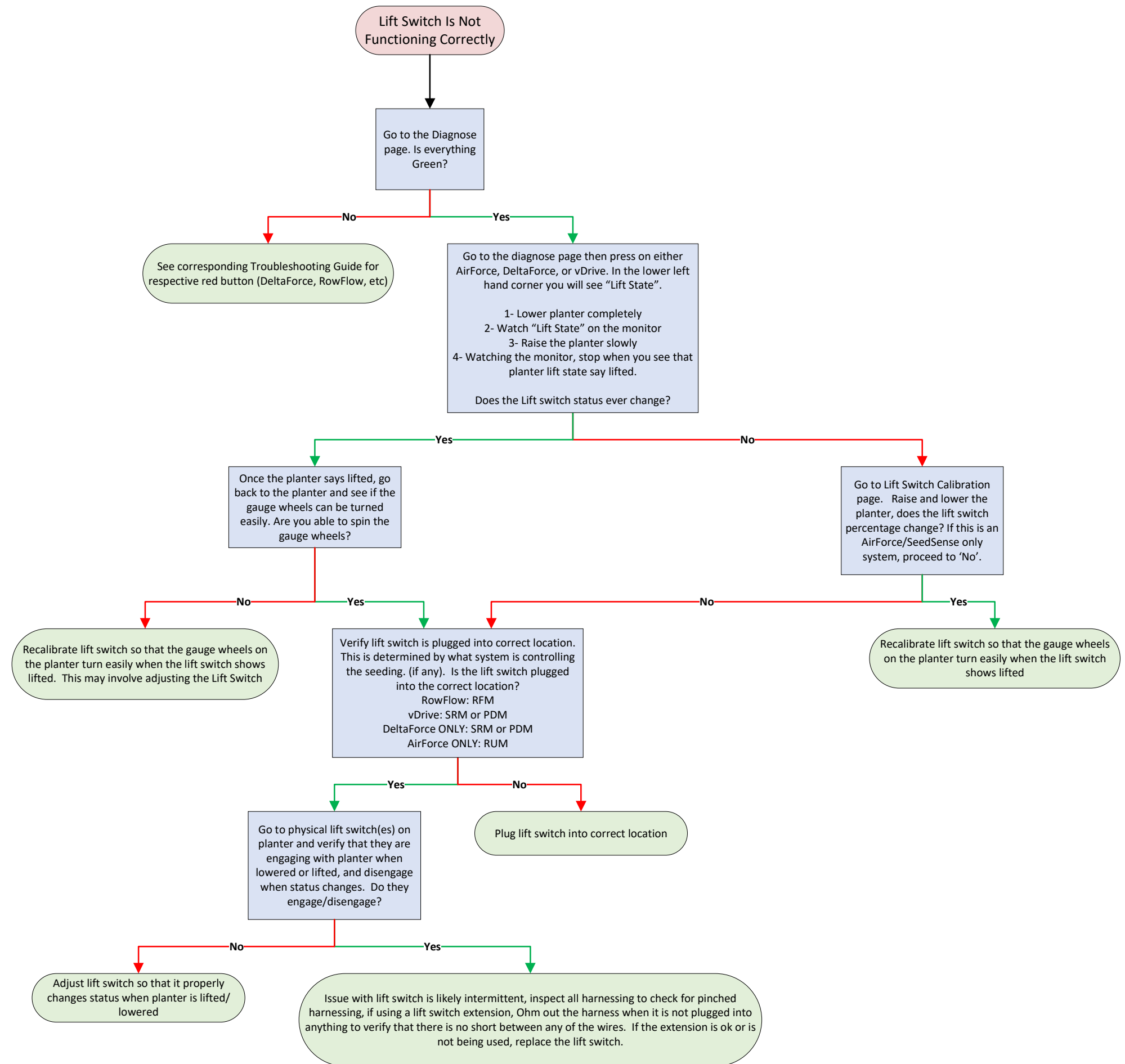


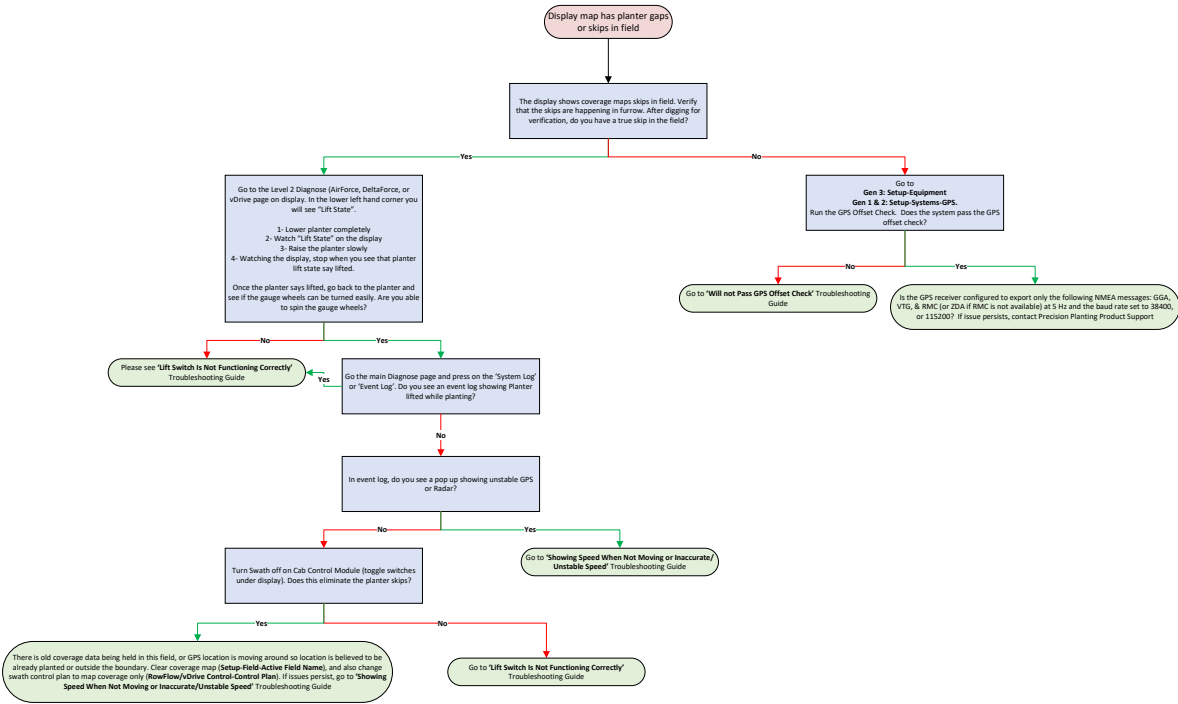
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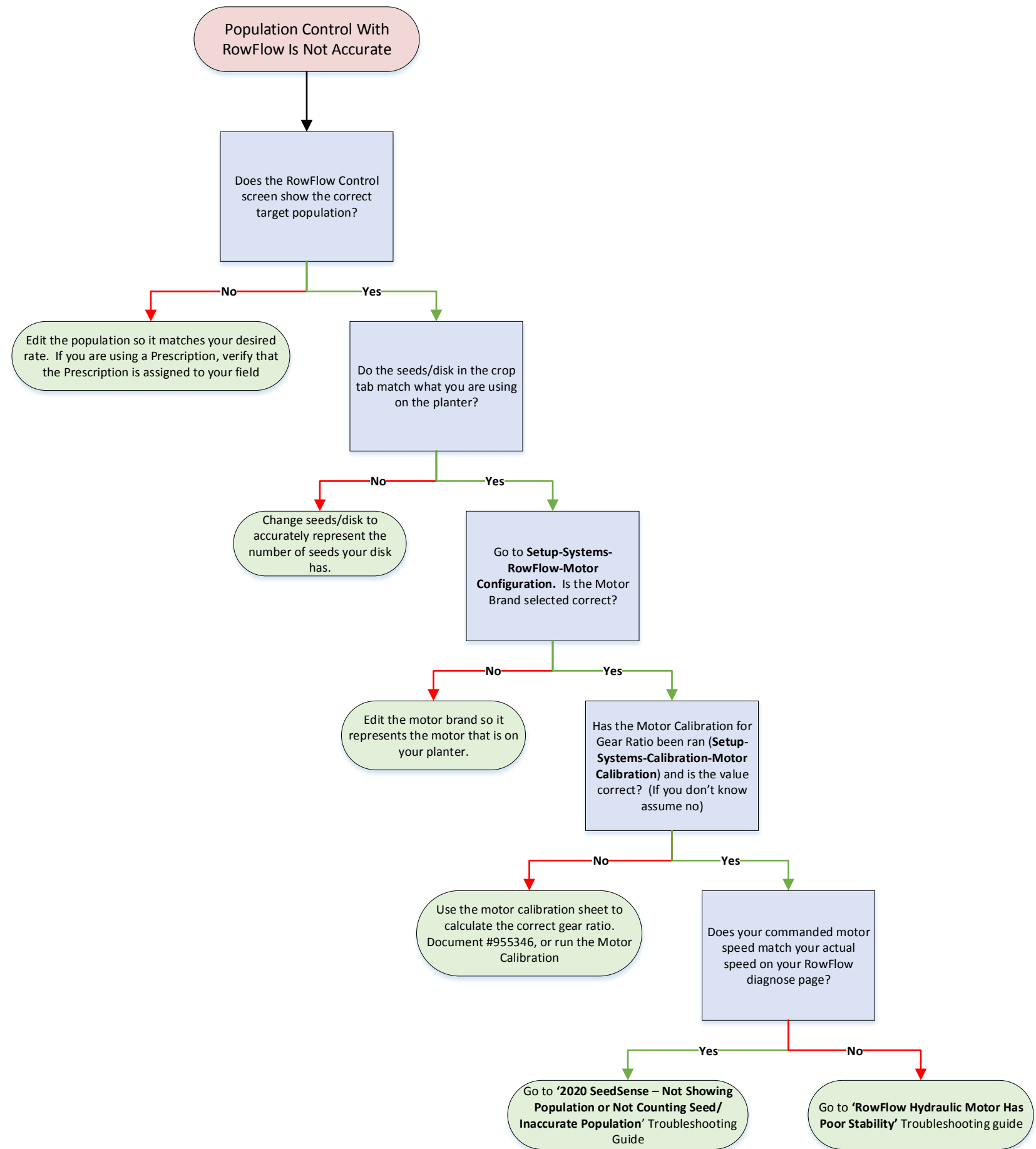
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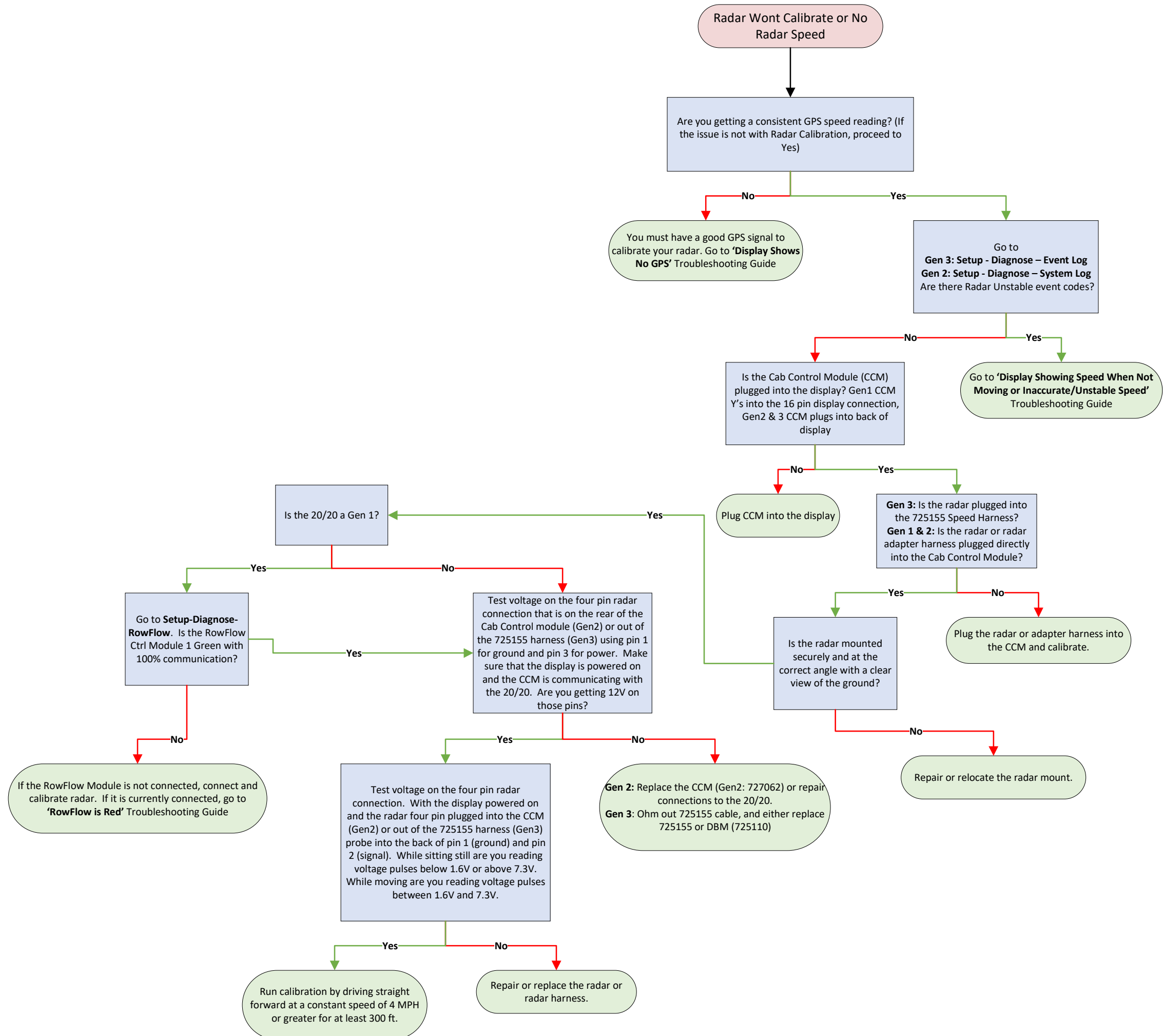


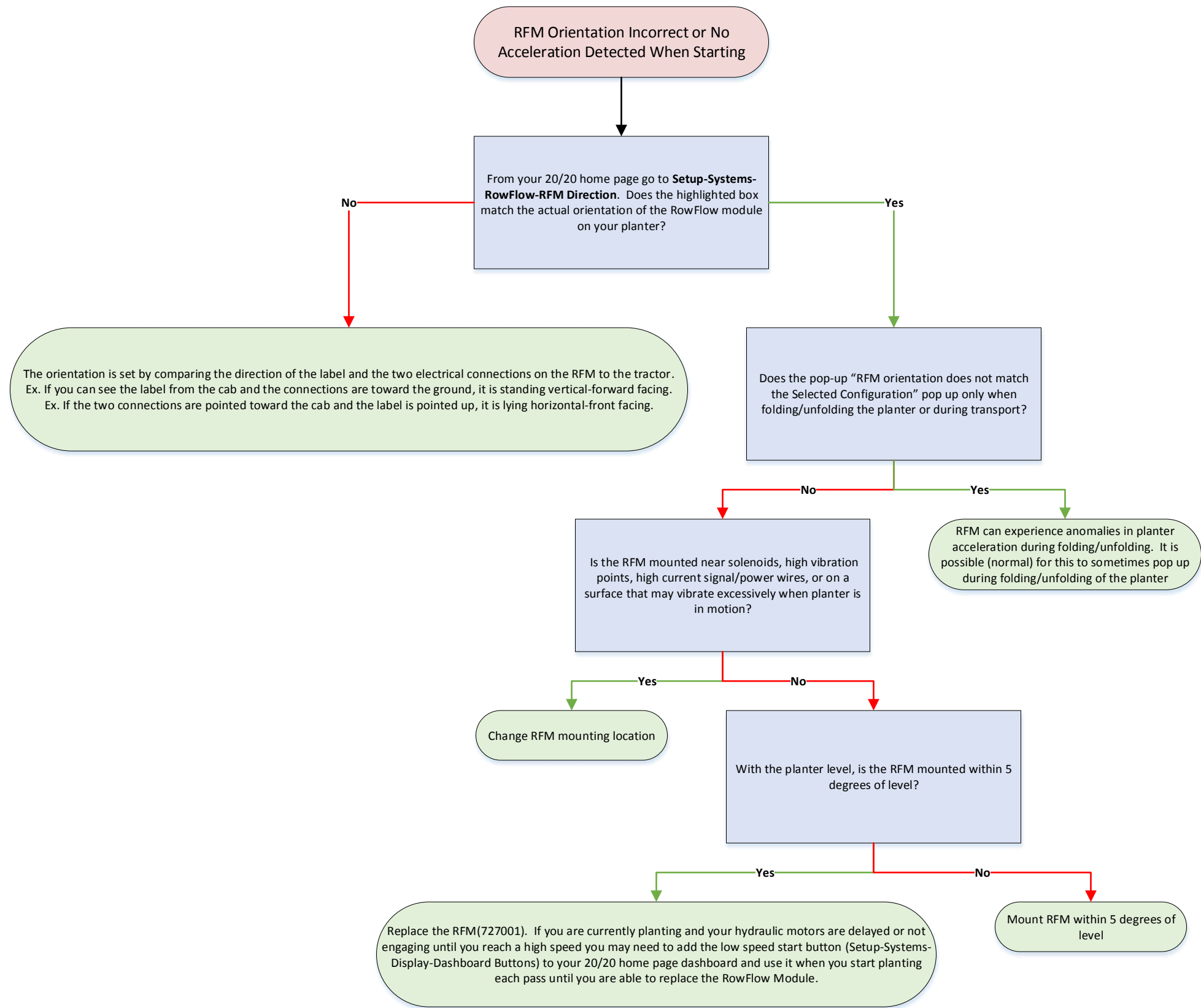


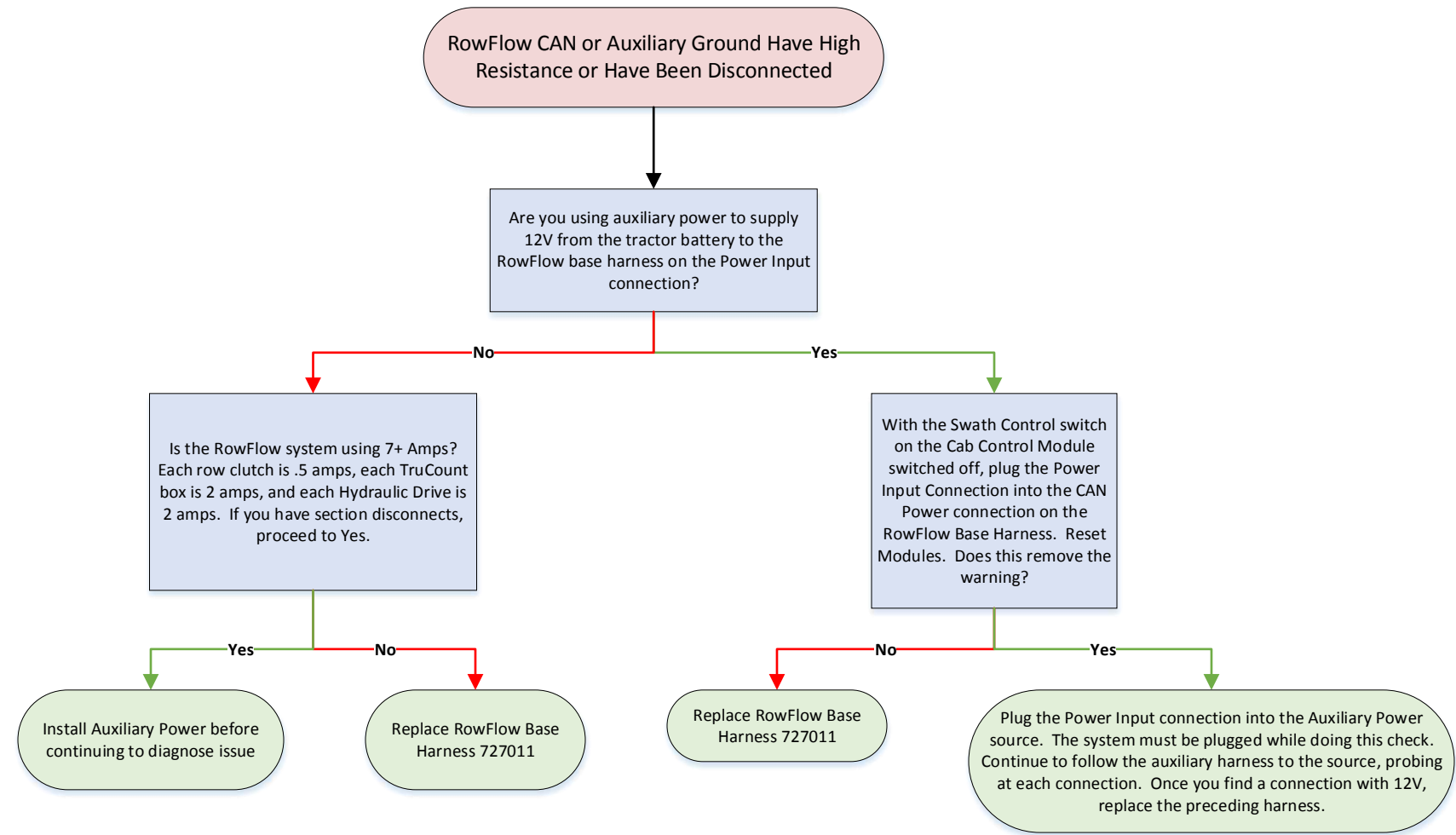


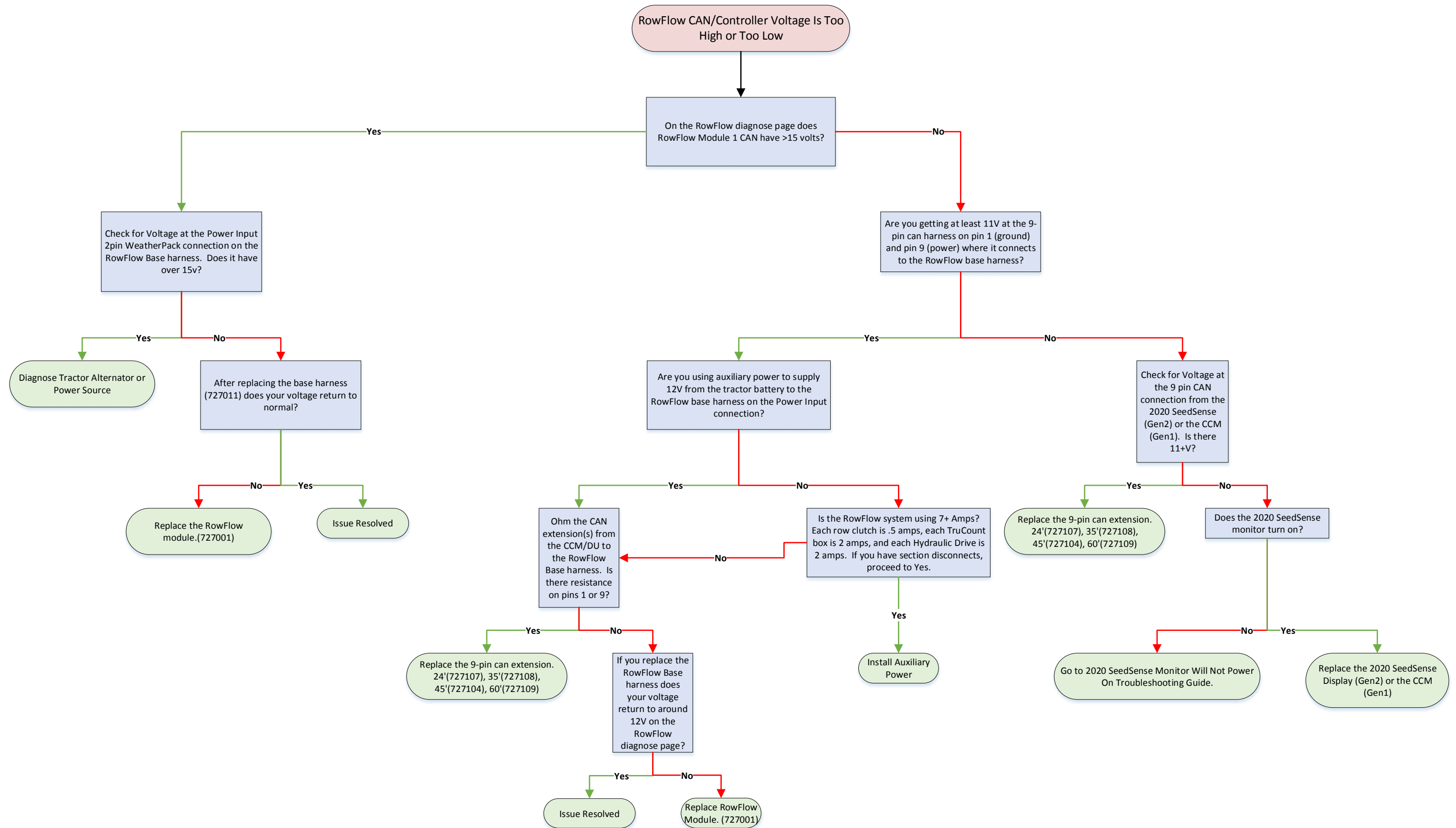


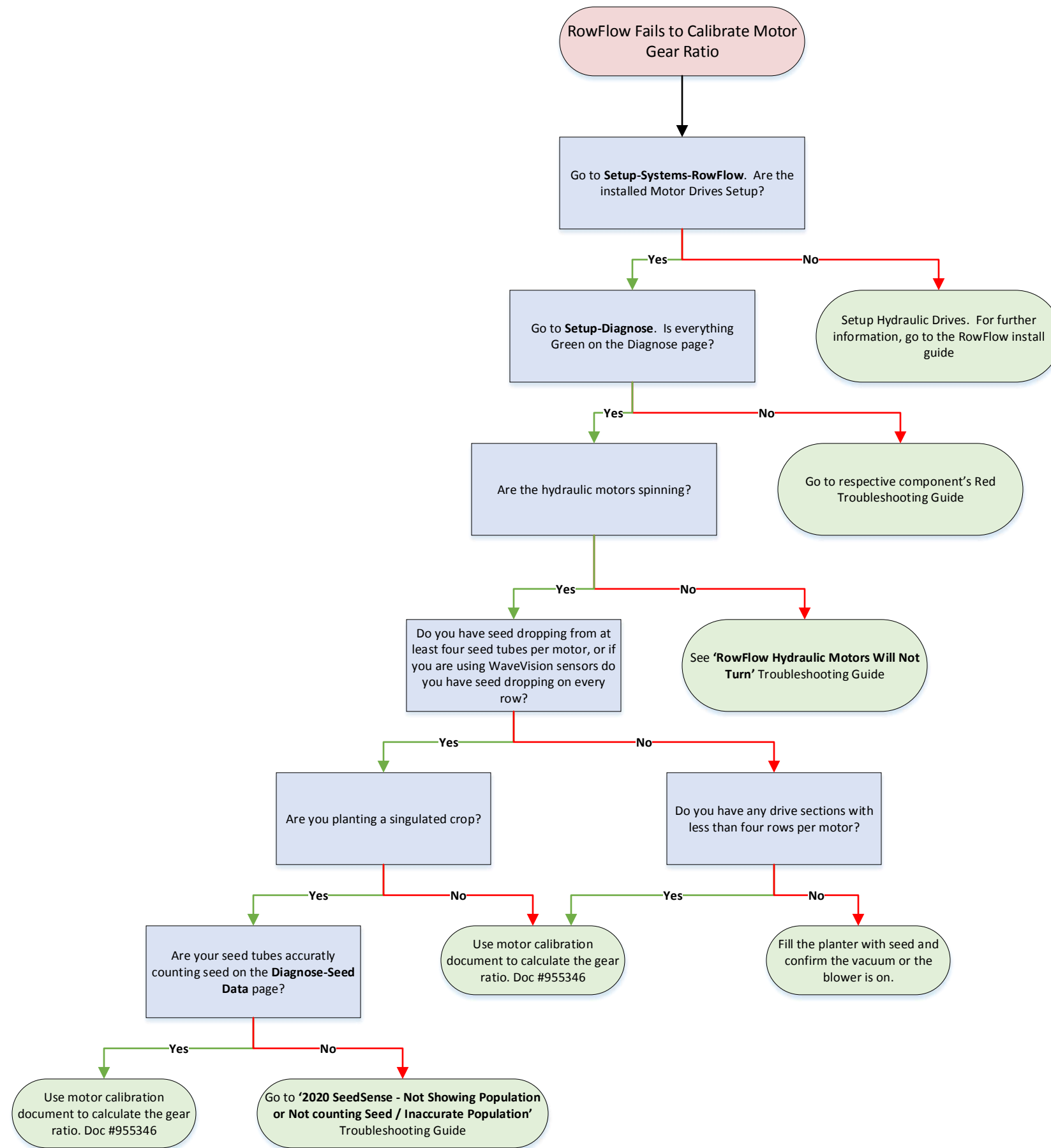
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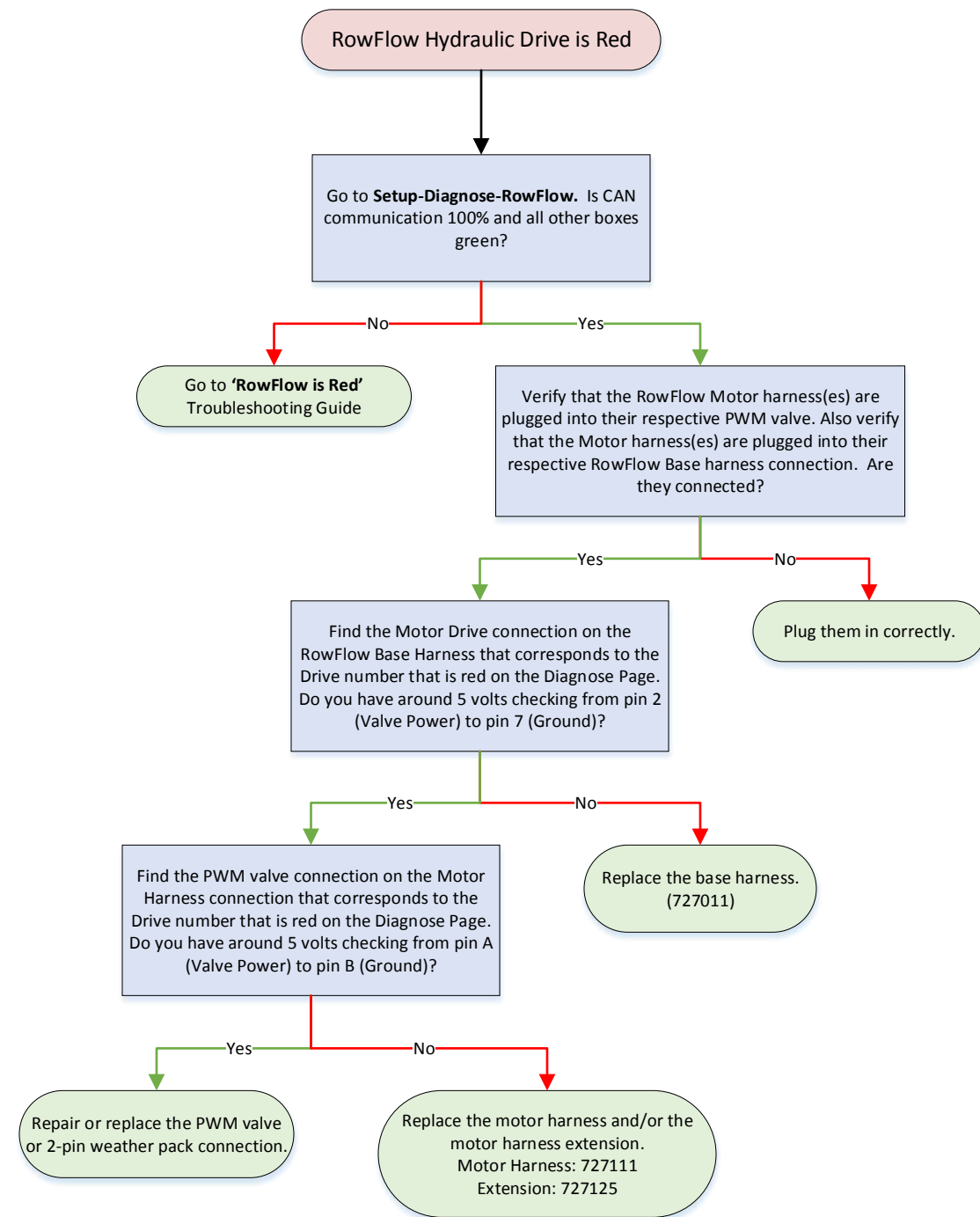


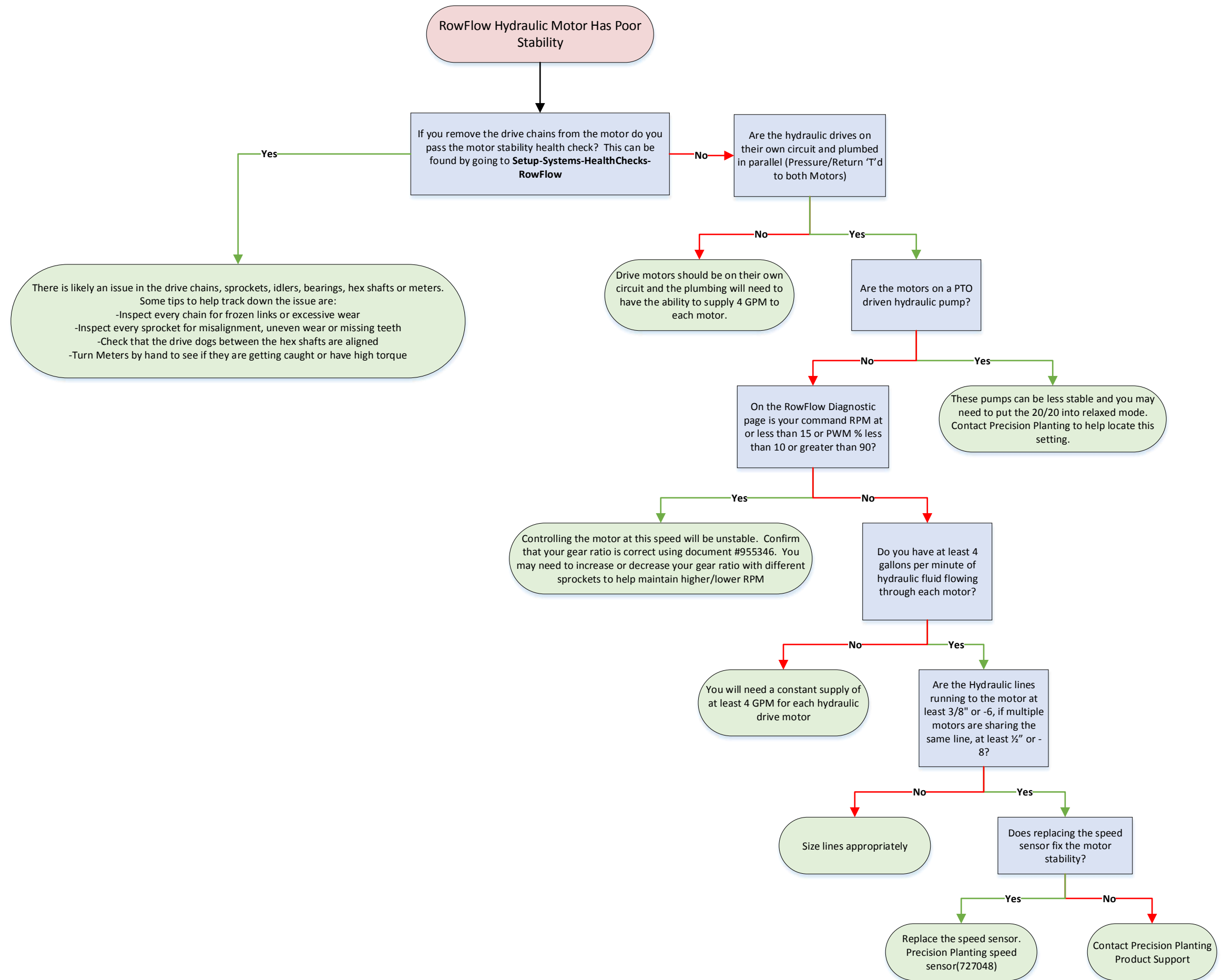


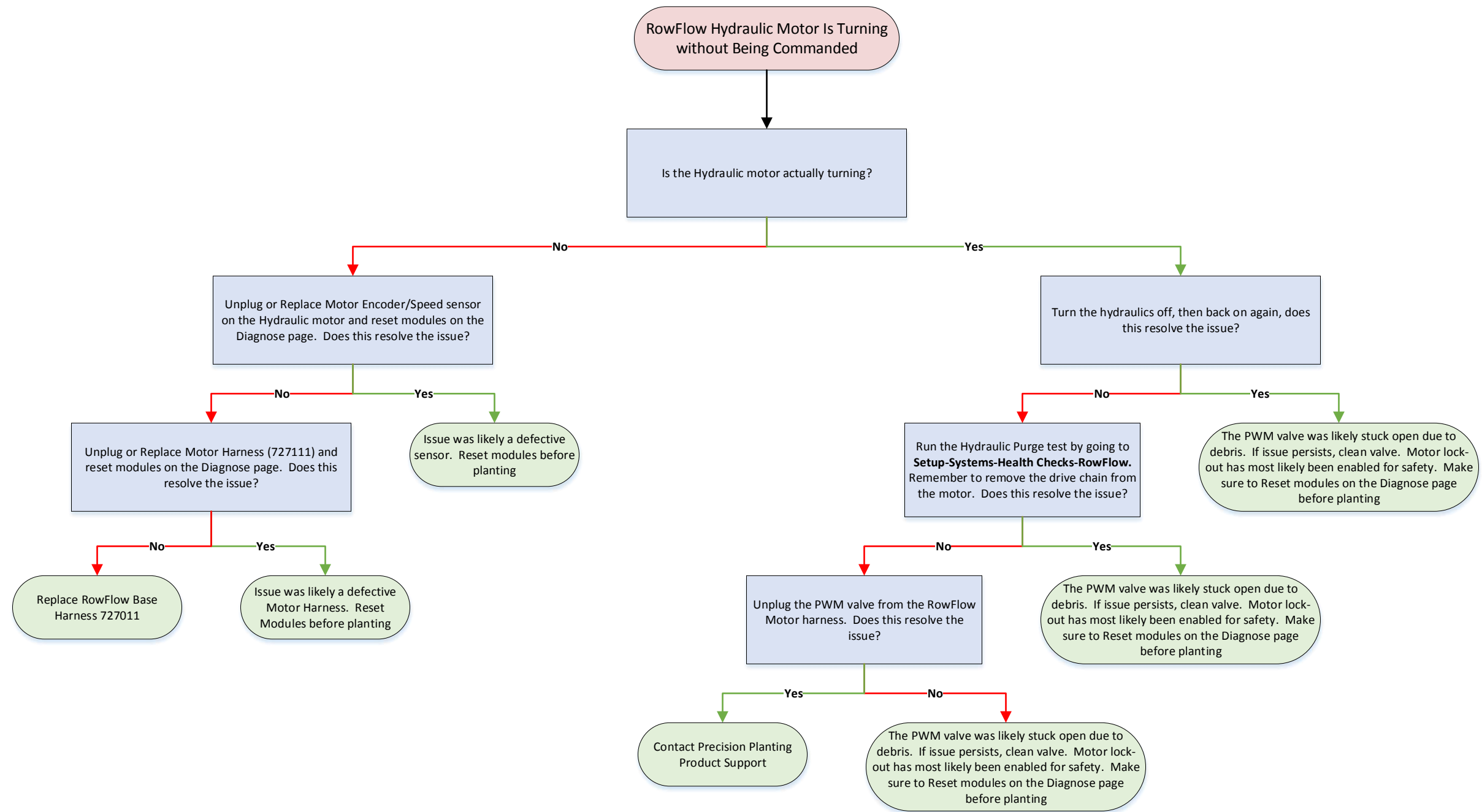


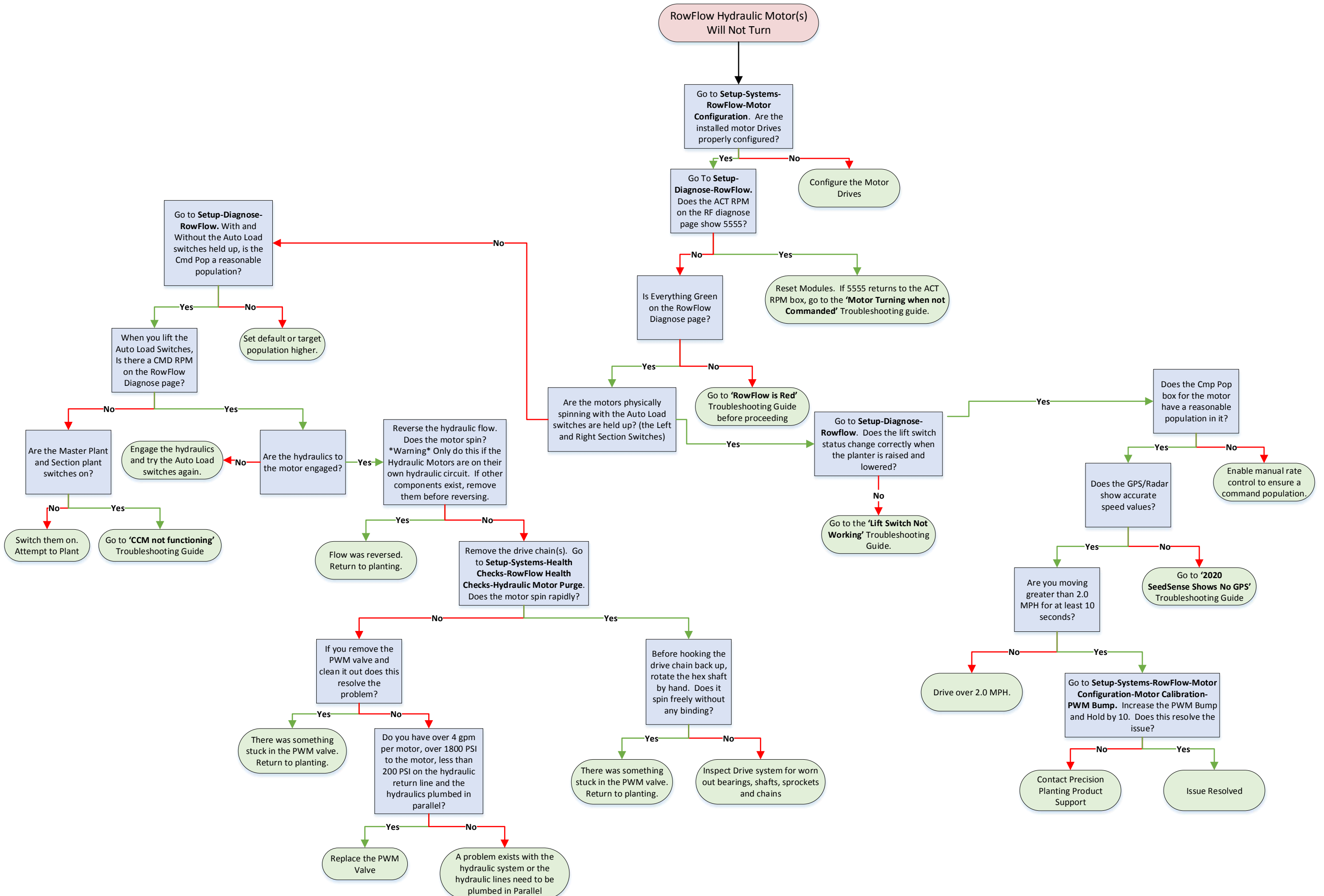


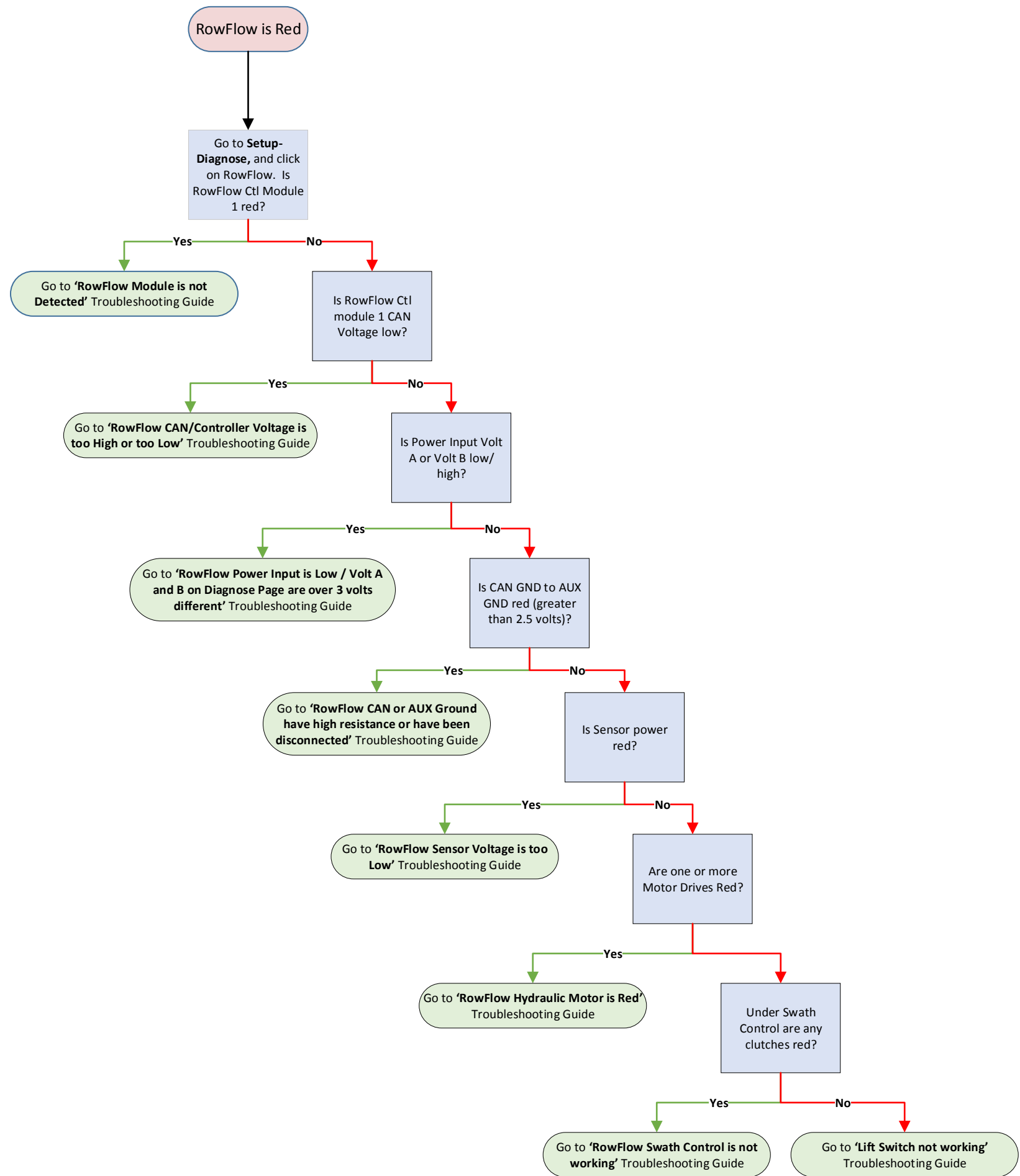


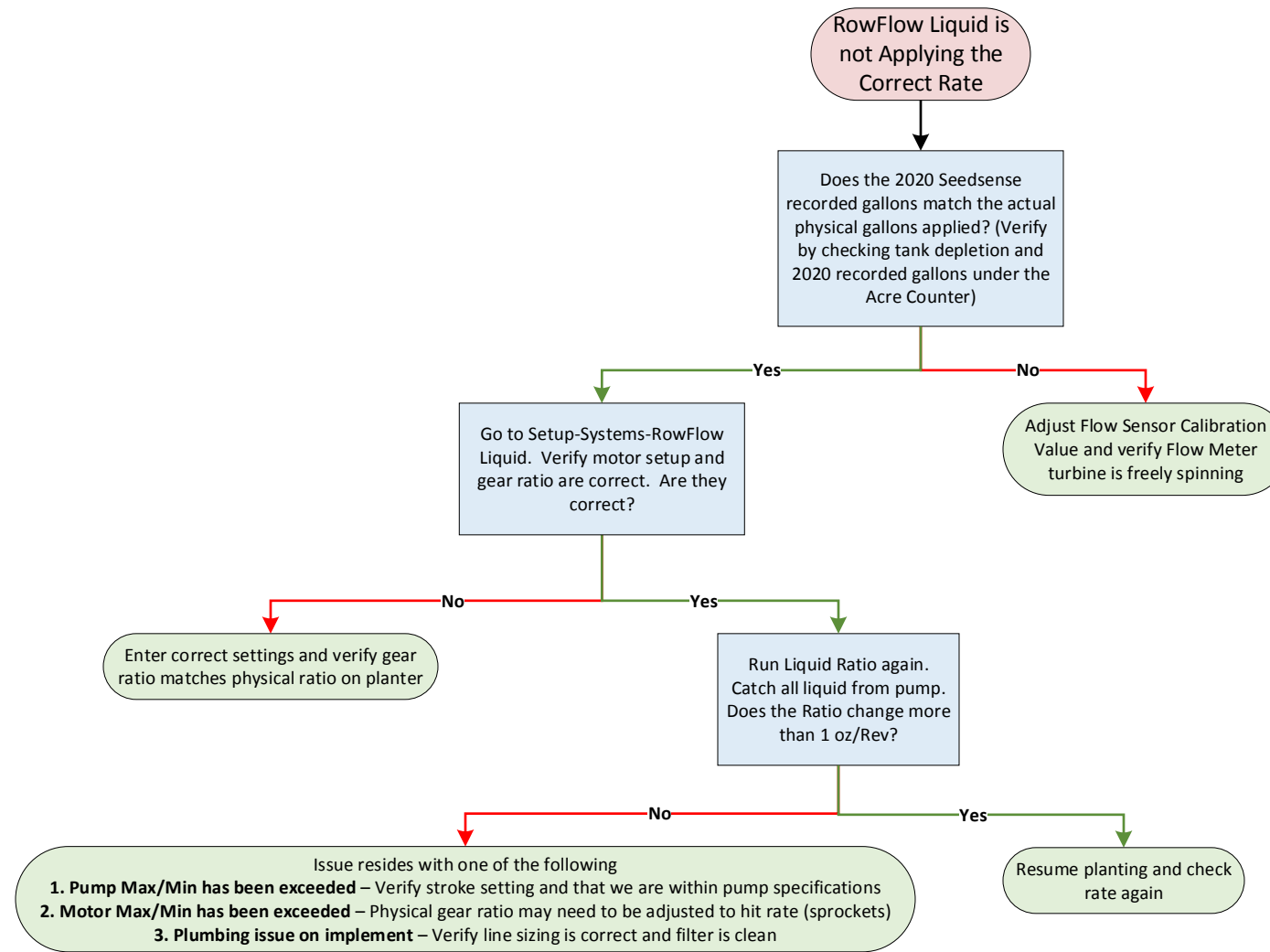


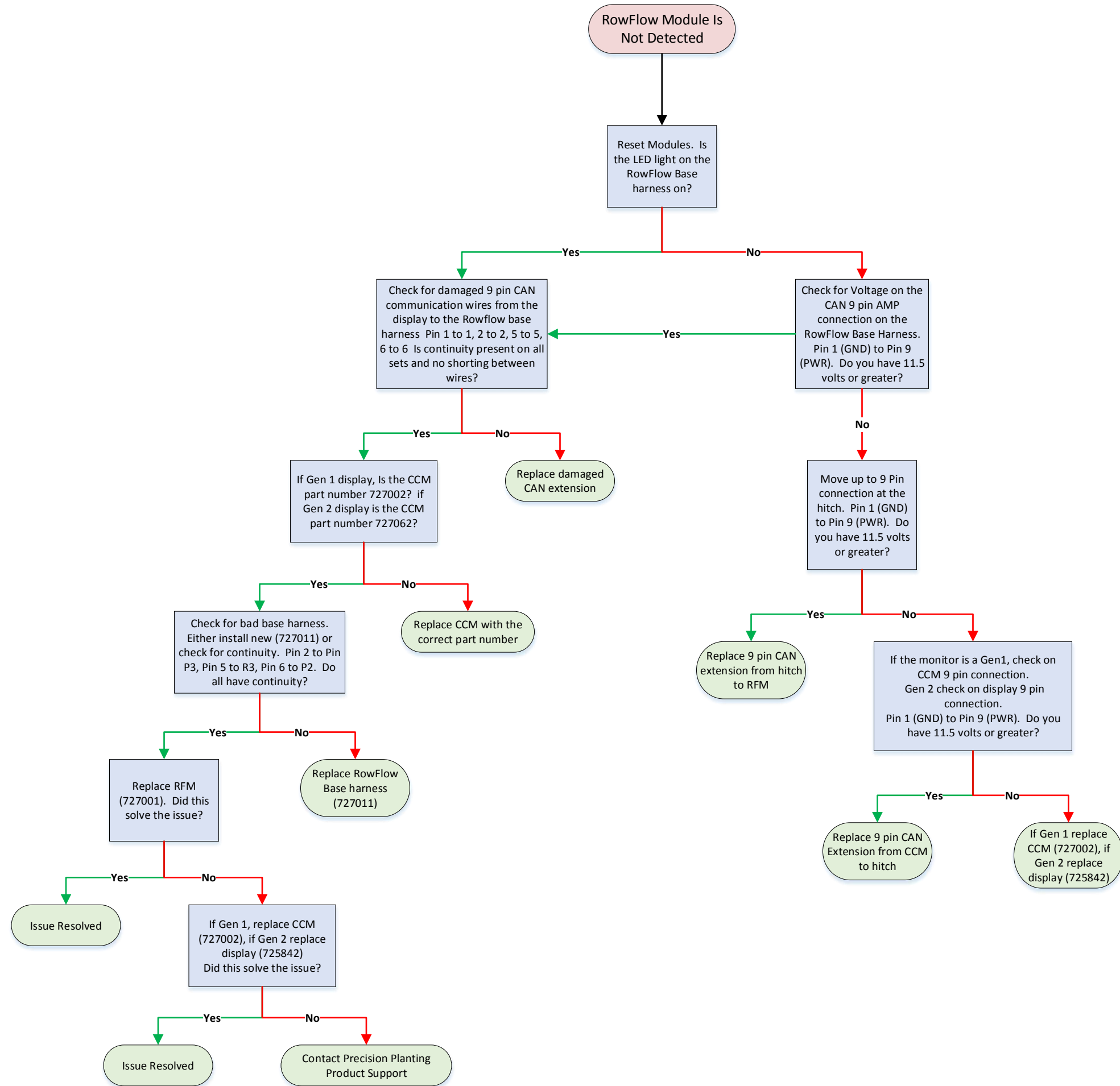


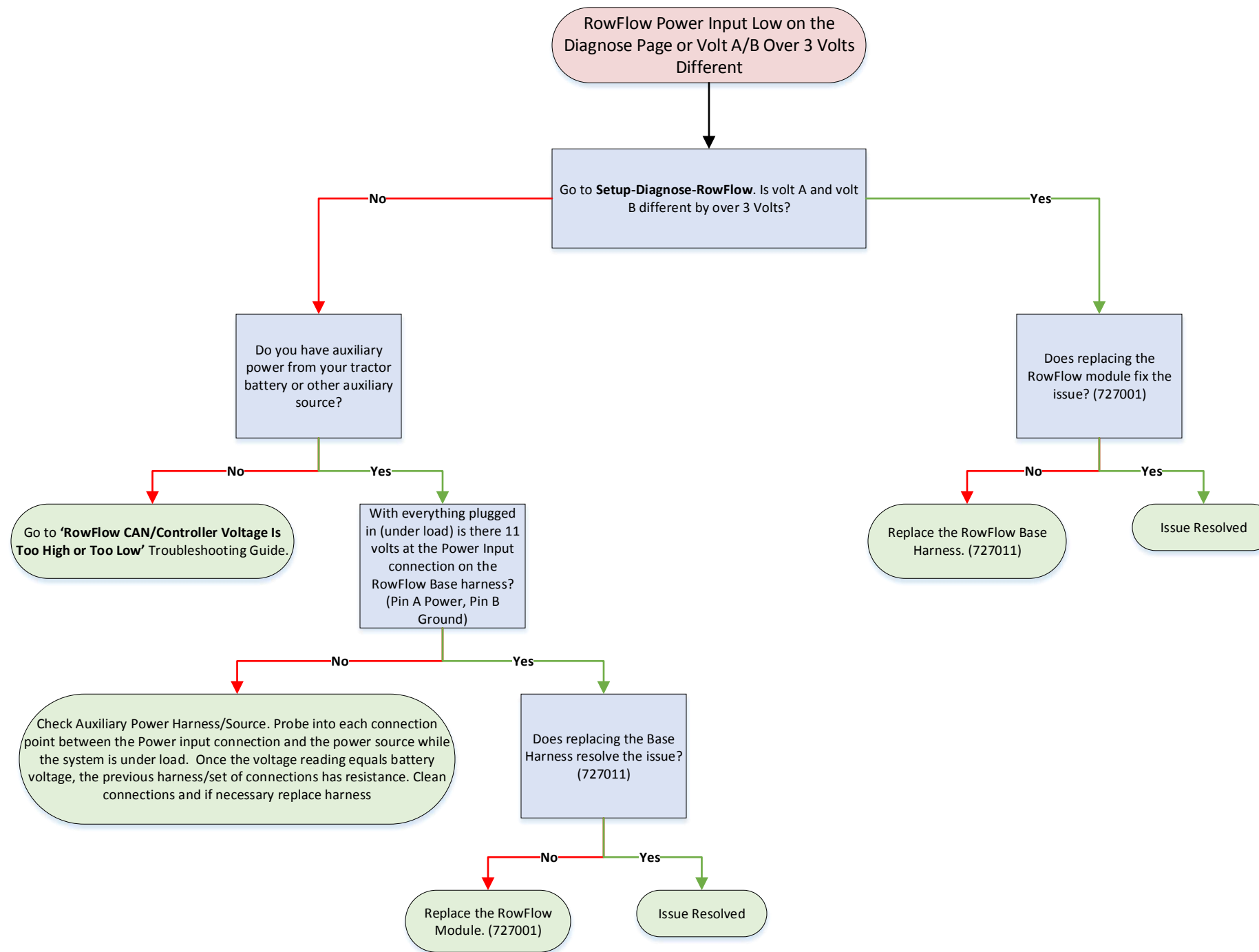


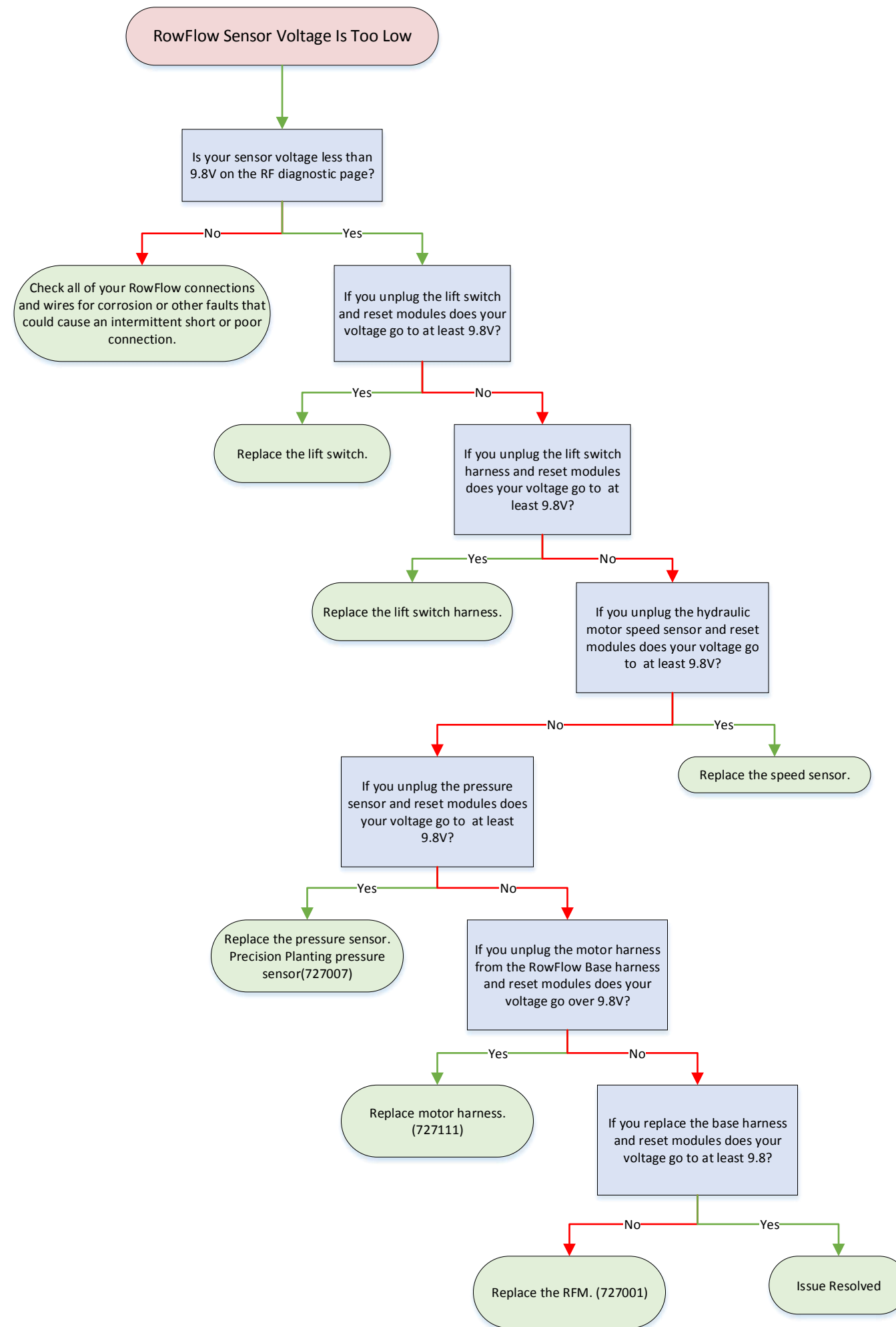


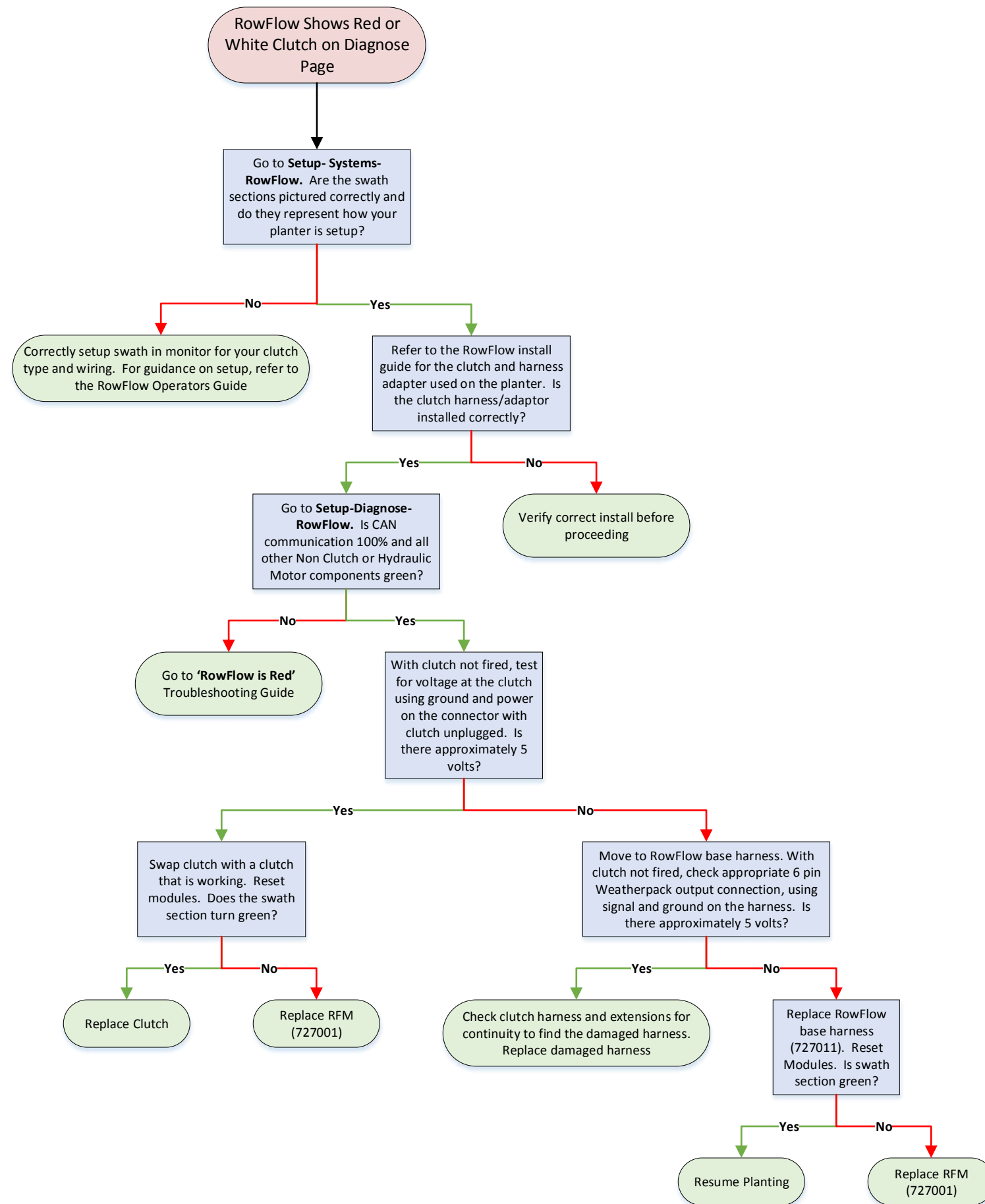


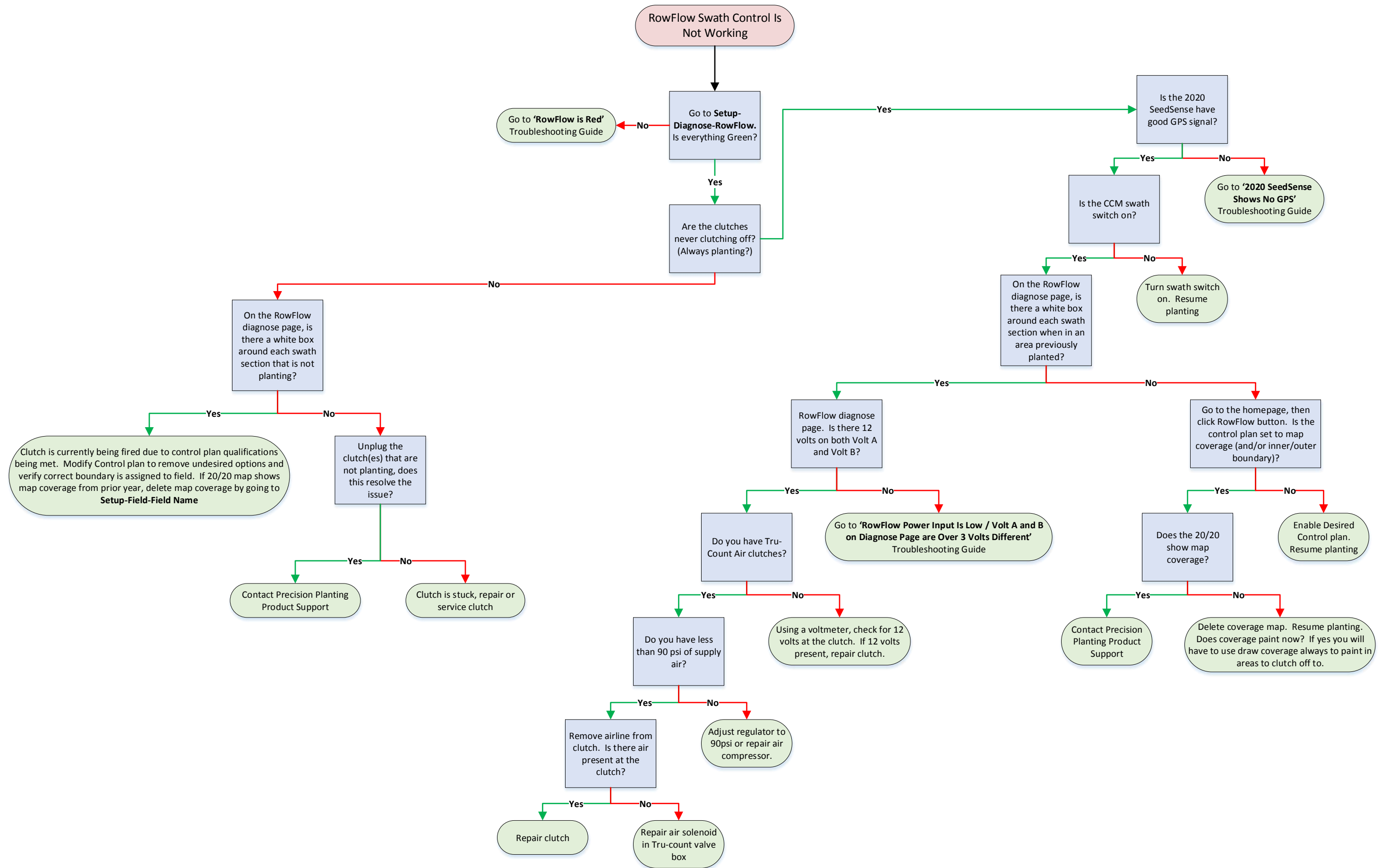


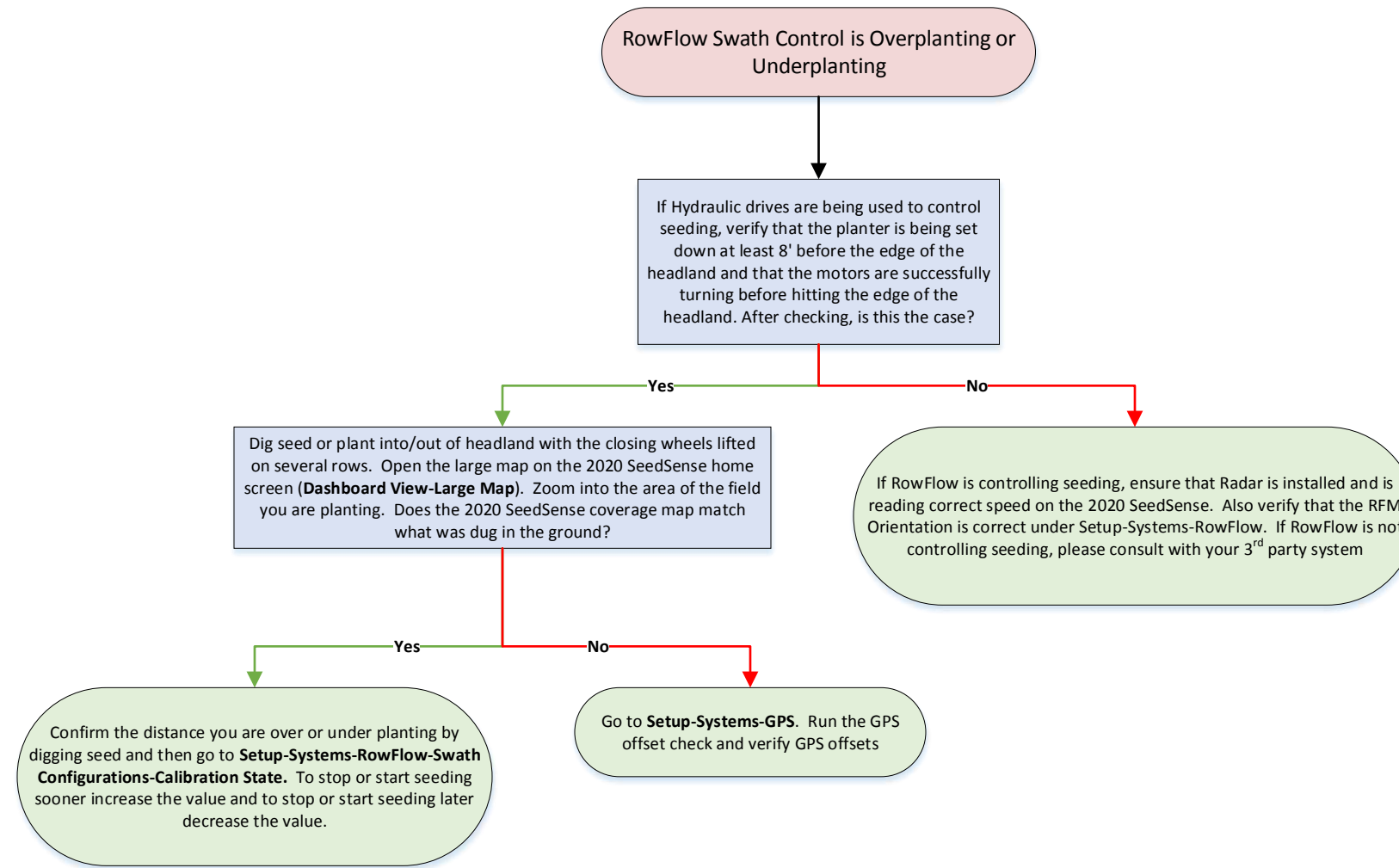


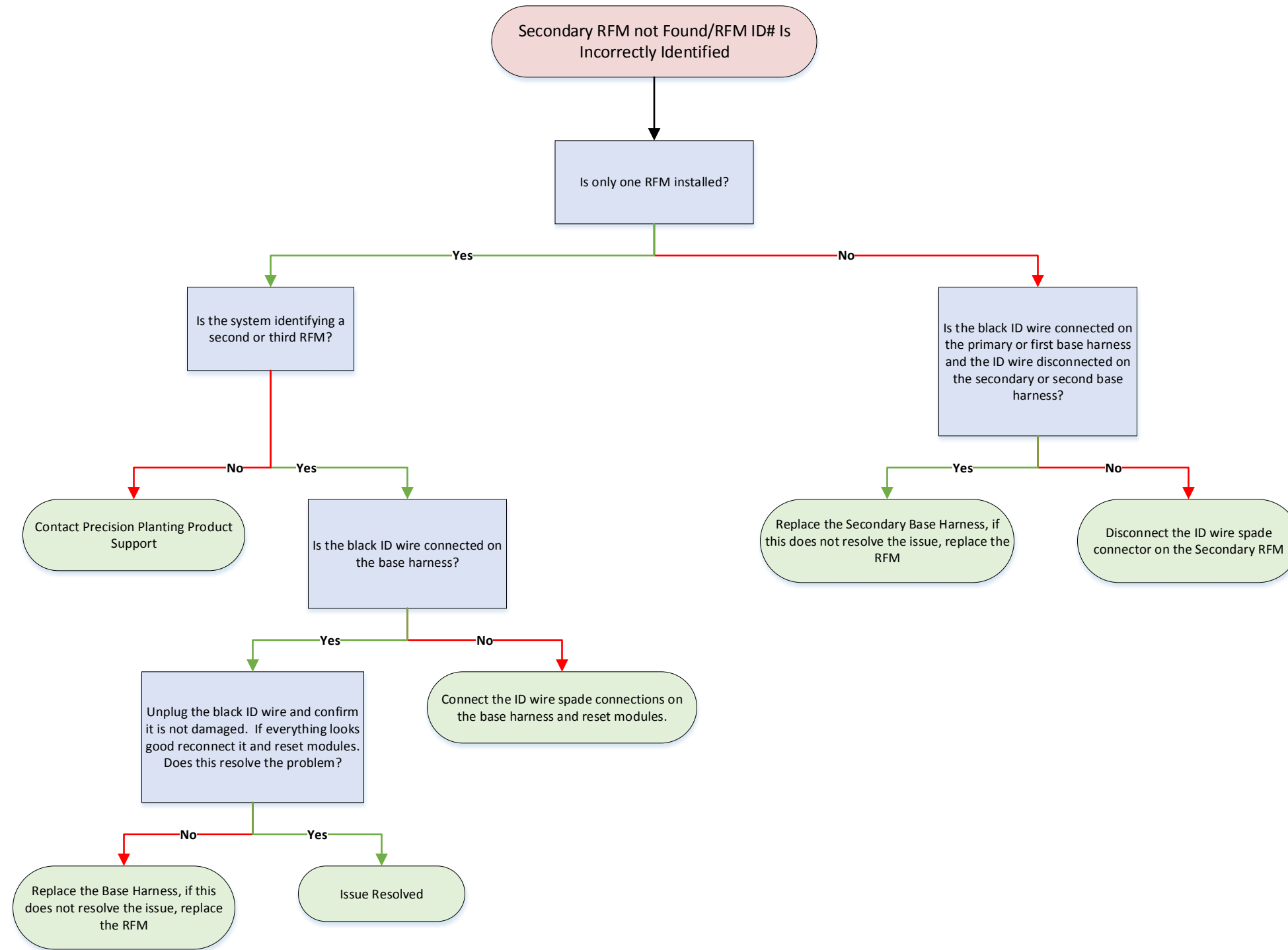






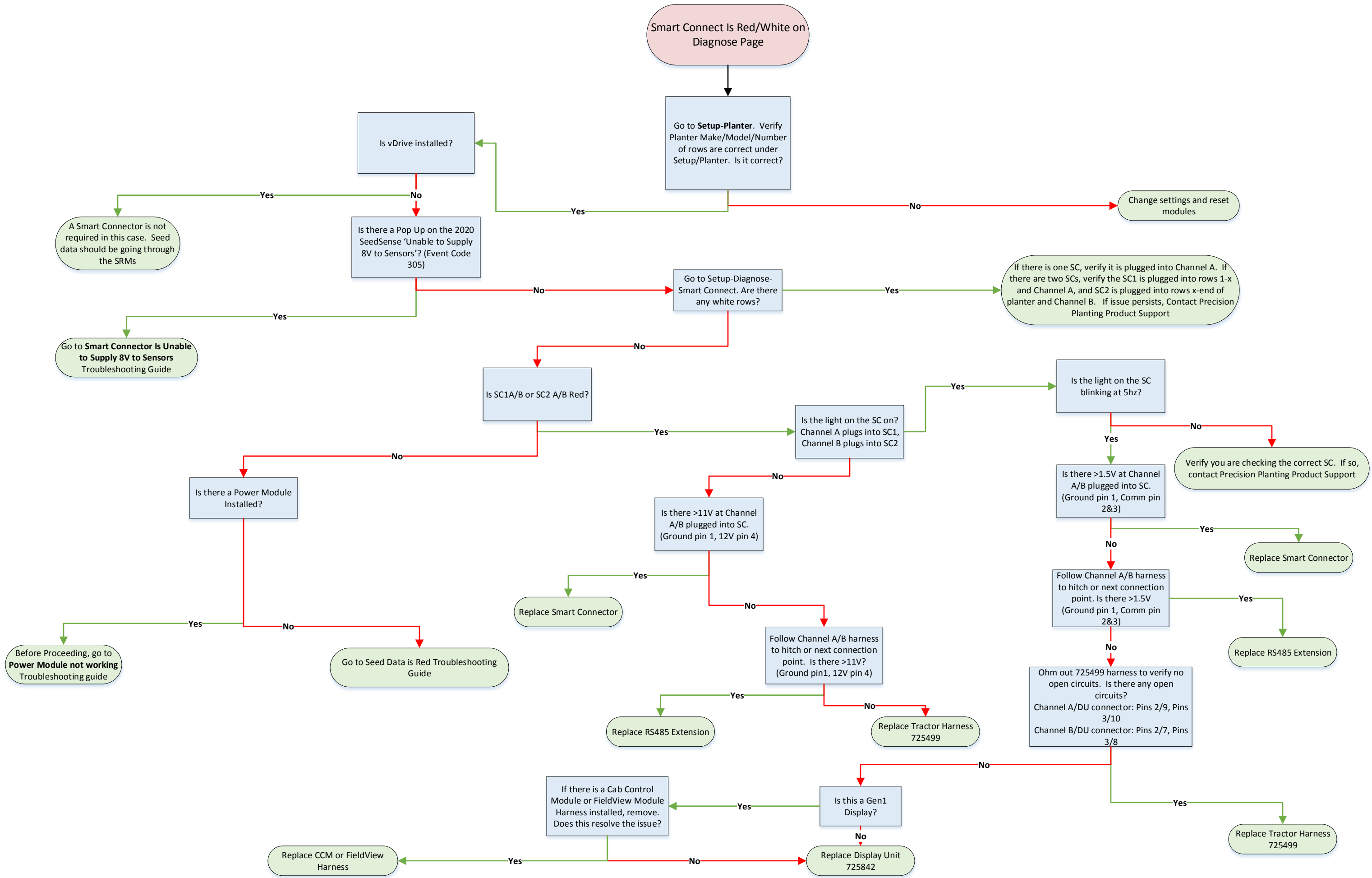


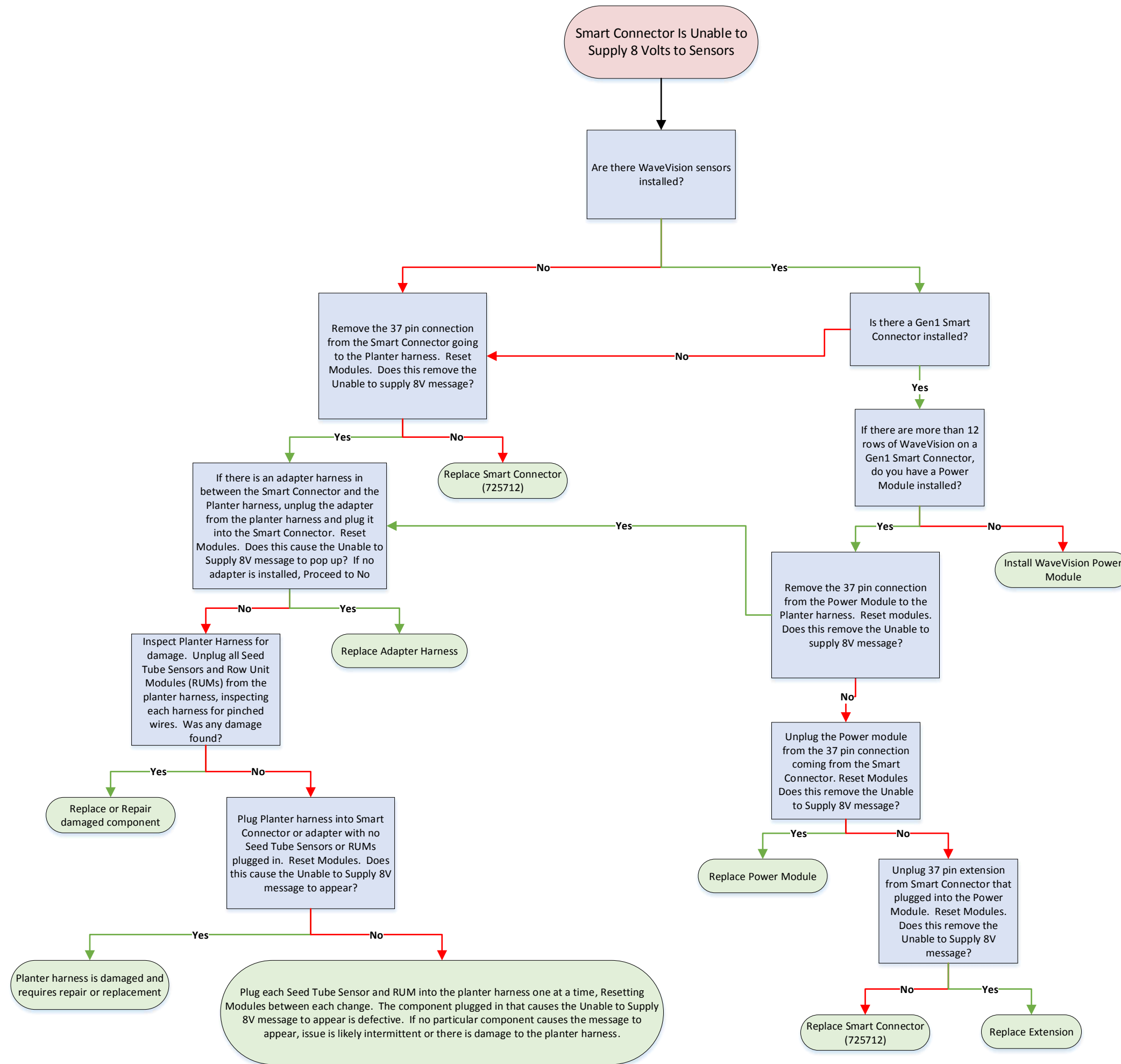


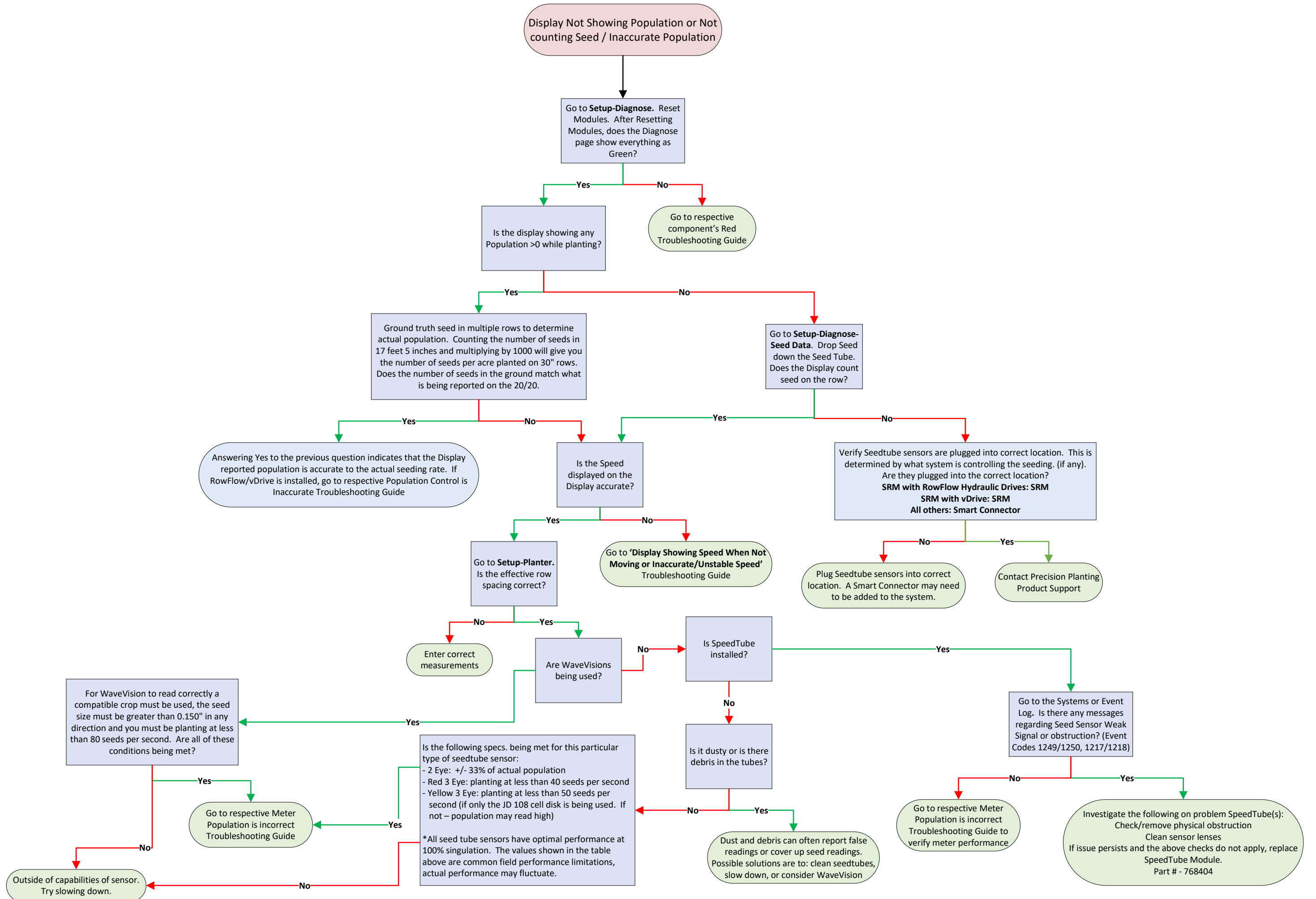


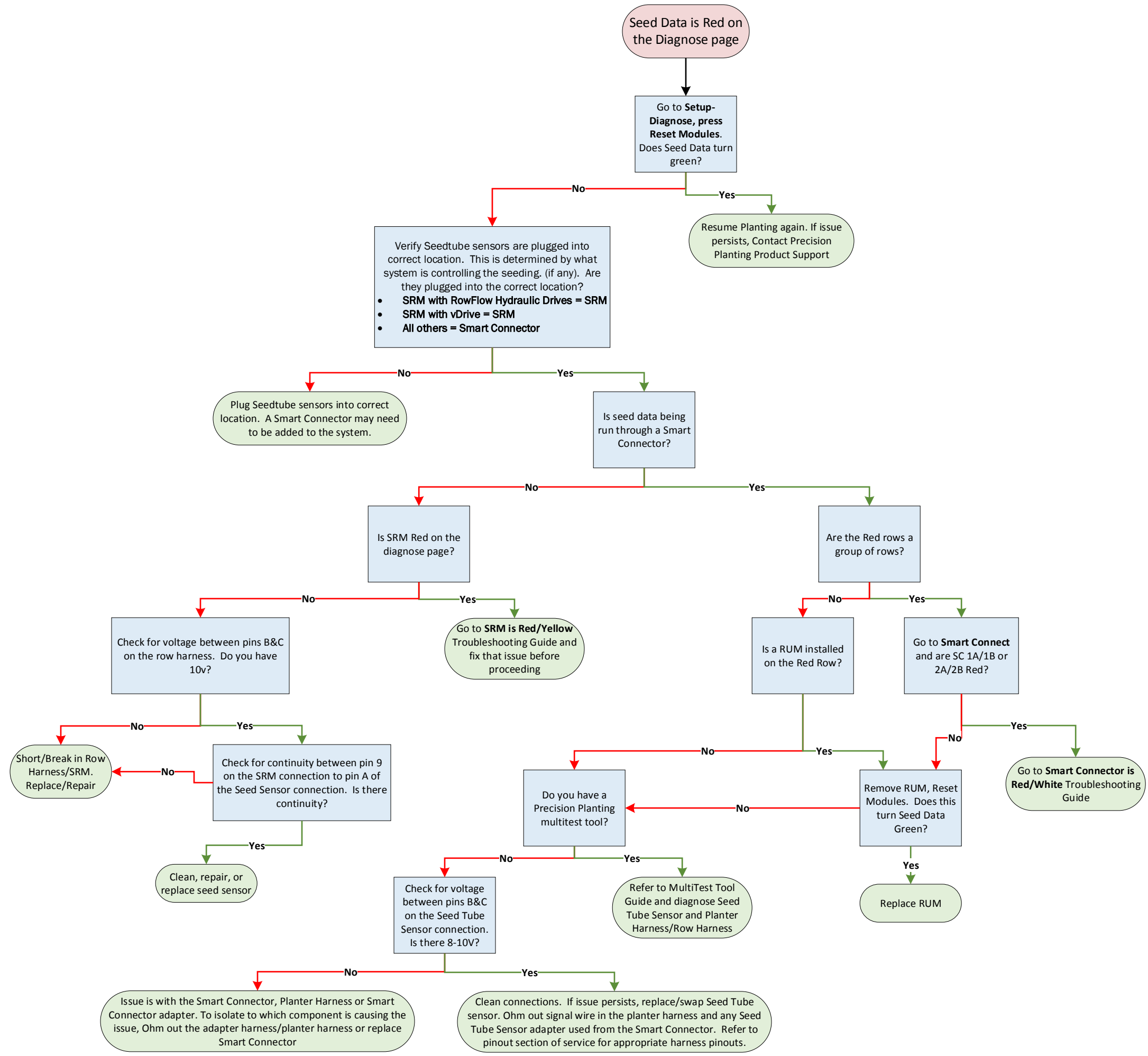
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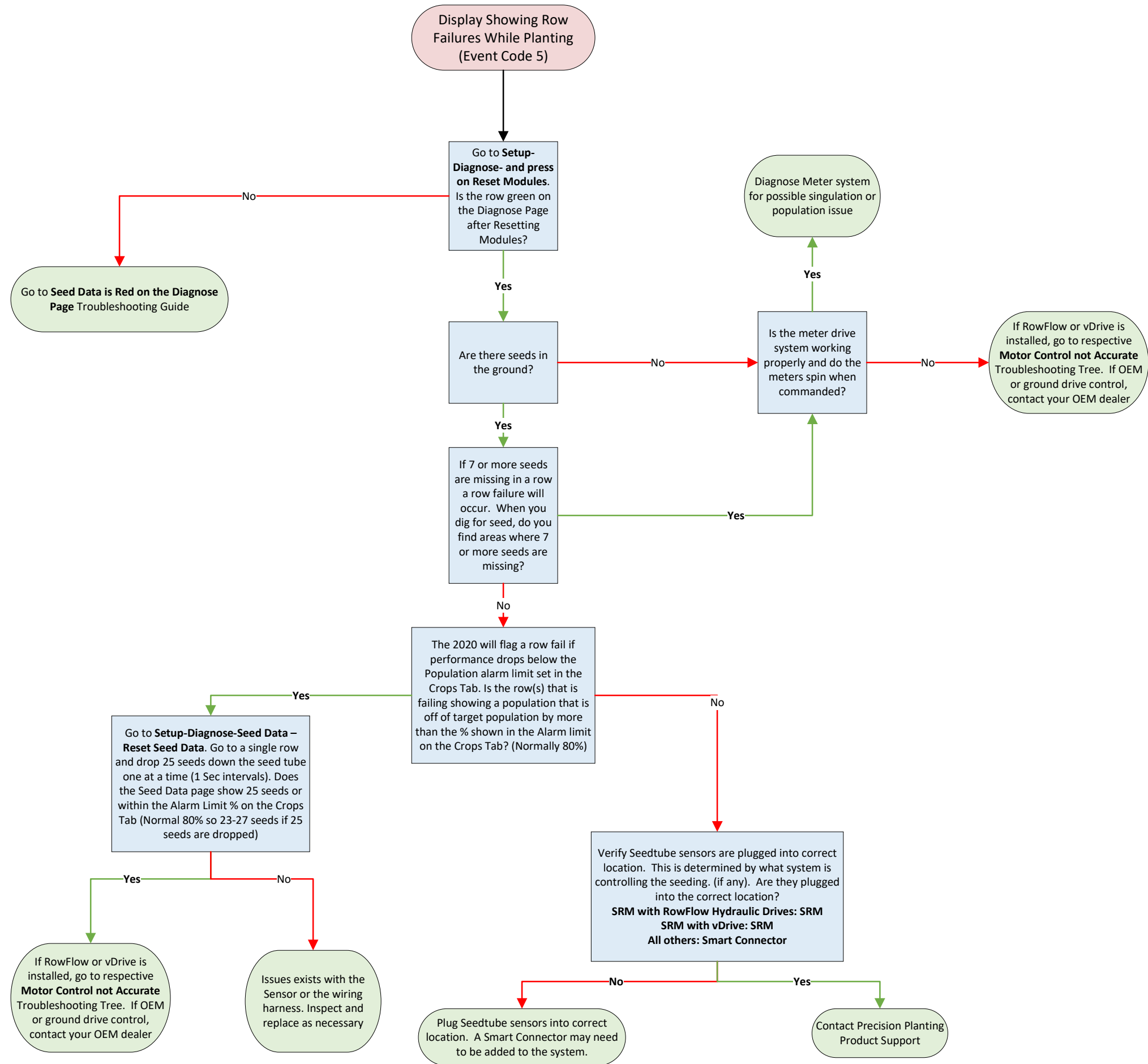
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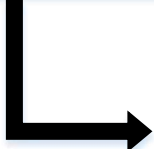
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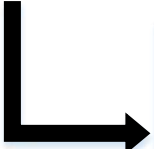
SmartFirmer Decision Tree

Verify SmartFirmer readings:
Does ground truth match SmartFirmer readings?.

SmartFirmer readings should be compared to neighboring rows. Anytime a single SmartFirmer shows deviation from the other SmartFirmer readings, this could indicate an issue that should be investigated.



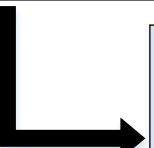
Is the issue found in the SmartFirmer?
Visually inspect the SmartFirmer for: Damaged harness, blocked lens, broken tail...etc anything physically causing SmartFirmer readings to be altered.



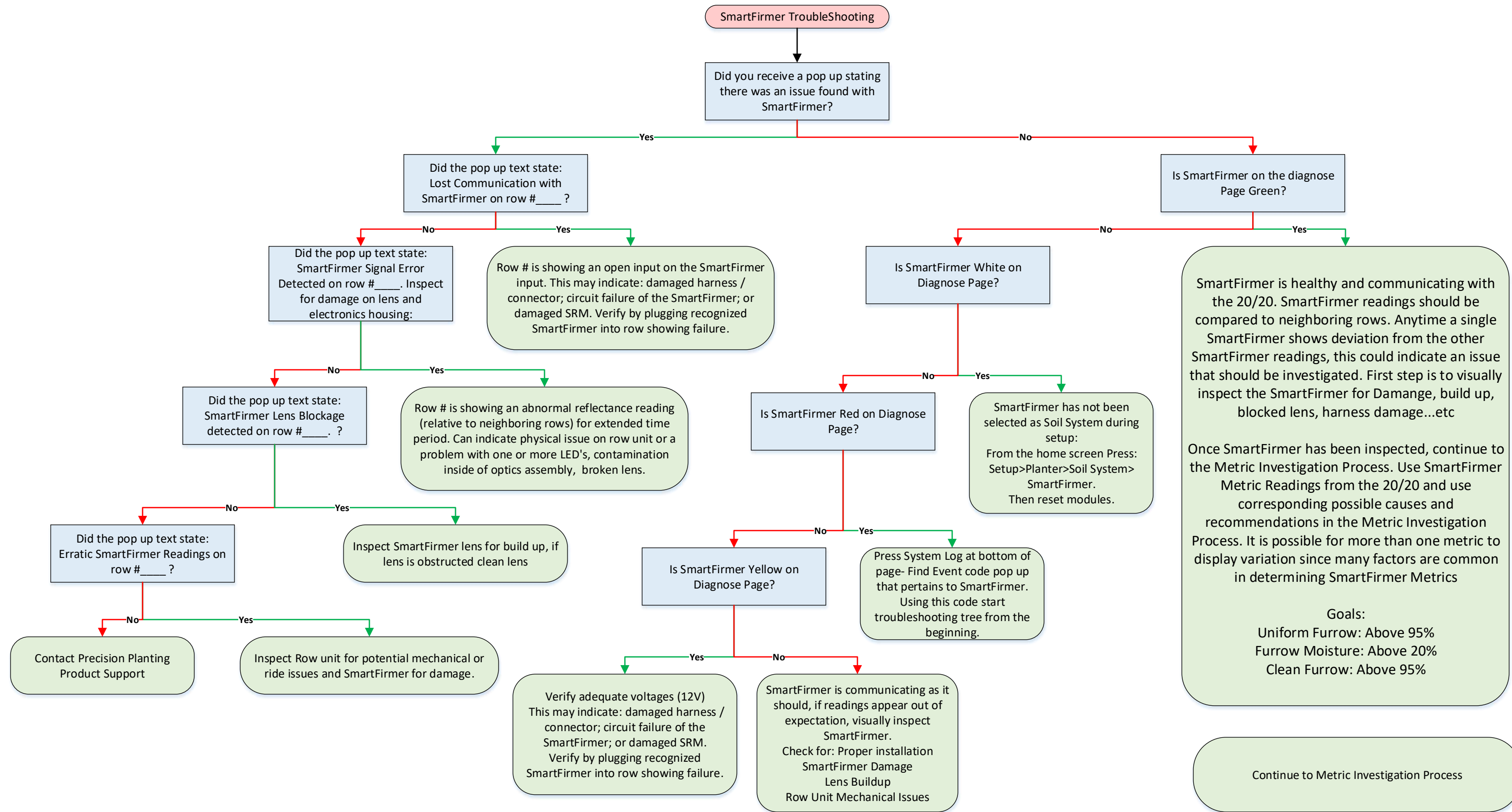
Is the issue mechanical on the row unit or planter?
Inspect row unit/planter for mechanical issues such as: Siezed opening discs, Row cleaner issues, loose bearings/bushings, worn opening discs, improper downforce...etc



Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
What actions can be taken to reduce risk from SmartFirmer readings. Adjust depth, aggressiveness of row cleaners, planter maintenance...etc



What was the root cause of the issue?
Tillage, residue management in harvest, row cleaners, downforce system..etc



Metric	Scenario						
Uniform Furrow	Percentage Reads Less Than 95%	Percentage Reads Less Than 95%	Percentage Reads Less Than 95%	Acceptable	Acceptable	Percentage Reads Less Than 95%	Acceptable
Furrow Moisture	Percentage Reads Less Than 20%	Percentage Reads Less Than 20%	Acceptable	Percentage Reads Less Than 20%	Percentage Reads Less Than 20%	Acceptable	Acceptable
Clean Furrow	Percentage Reads Less Than 95%	Acceptable	Acceptable	Percentage Reads Less Than 95%	Acceptable	Percentage Reads Less Than 95%	Percentage Reads Less Than 95%
Possible Causes:	Possible Causes:	Possible Cause:	Possible Cause:	Possible Cause:	Possible Cause:	Possible Cause:	Possible Cause:
Loss of depth, compare this information to DownForce or Good Ride Metrics. If loss of ground contact correlates to both Uniform Furrow and Furrow Moisture.	Loss of depth, compare this information to DownForce or Good Ride Metrics. If loss of ground contact correlates to both Uniform Furrow and Furrow Moisture.	Uneven moisture in furrow	Excessive Pinning of residue in furrow is wicking available moisture away from seed.	Planting depth not into moisture	Excessive Pinning of residue in furrow is wicking available moisture away from seed.	Residue management.	Residue management.
		Recommendation:		Recommendation:		Spreaders not spreading residue uniformly	Spreaders not spreading residue uniformly
		Increase planting depth		Increase planting depth		Combine head too narrow so residue "doubles" up on outside of passes	Combine head too narrow so residue "doubles" up on outside of passes
Possible Cause:	Recommendation:	Possible Cause:	Recommendation:	Possible Cause:	Recommendation:		
Loss of Ground Contact/Poor Row unit ride	Increase aggressiveness of Row Cleaners	Loss of Ground Contact/Poor Row unit ride	Increase aggressiveness of Row Cleaners	Dry soil falling into seed trench	Increase aggressiveness of Row Cleaners		
Recommendations:	Recommendation:	Rocky Conditions	Adjust planting depth	Confirm shimming of gauge wheels & slightly increase row cleaner aggressiveness to move dry soil away from seed bed.	Possible Cause:	Recommendation:	Recommendation:
Increase DownForce Setting	Increase DownForce Setting	Recommendation:	Possible Cause:		Residue from combine not able to be broken down and incorporated during tillage	Increase aggressiveness of Row Cleaners	Increase aggressiveness of Row Cleaners
Possible Causes:	Possible Causes:	Increase downforce setting	Residue from combine not able to be broken down and incorporated during tillage			Equipment changes to evenly spread residue	Equipment changes to evenly spread residue
Loss of depth due to extremely rough conditions. Residue, dry soil, and poor furrow creation are being read by the SmartFirmer	Tillage practices: The ground could have been worked too wet. This scenario will create cloddy soil, and allow soil moisture to evaporate at a higher rate.	Decrease Speed					
		Possible Cause:	Recommendation:				
		Mechanical Issue on Row Unit	Operational changes during Harvest or tillage pass				
Recommendations:	Recommendations:	Improper Shimming of gauge wheels/opening discs					
Decrease speed to increase good ride	Rework ground	Opening discs worn & need replaced	Possible Causes:			Operational changes during Harvest or tillage pass	Possible Cause:
Increase DownForce Setting	Set row cleaners more aggressively and increase downforce. Do not adjust row cleaner to function as a "Strip Till" tool, instead increase down pressure of clean sweep and AirForce/DeltaForce gradually to try to remove clods to plant into a uniform and moist furrow.	Recommendation:	Loss of depth, compare this information to DownForce or Good Ride Metrics. If loss of ground contact correlates to both Uniform Furrow and Furrow Moisture.				incorporated/Standing stalks being read by SmartFirmer
Rework soil if cloddy		Inspect row units- make needed adjustments					
Use row cleaners more aggressively to try to remove clods, rocks, rootballs.		Replace worn components- opening discs	Recommendations:				
Possible Causes:			Increase DownForce Setting				
Shallow Planting, surface residue is entering furrow							
Recommendations:							
Increase planting depth							
Increase aggressiveness of Row Cleaners	Possible Causes:						
	Furrow Collapsing or dry soil from surface is entering furrow						
	Recommendations:						
	Increase downforce setting						
	Improper Shimming of gauge wheels/opening discs						
	Opening discs worn & need replaced						
	Inspect row units- make needed adjustments						
	Replace worn components- opening disc						

Use buttons below to go to Specific Metric based investigation

Uniform Furrow

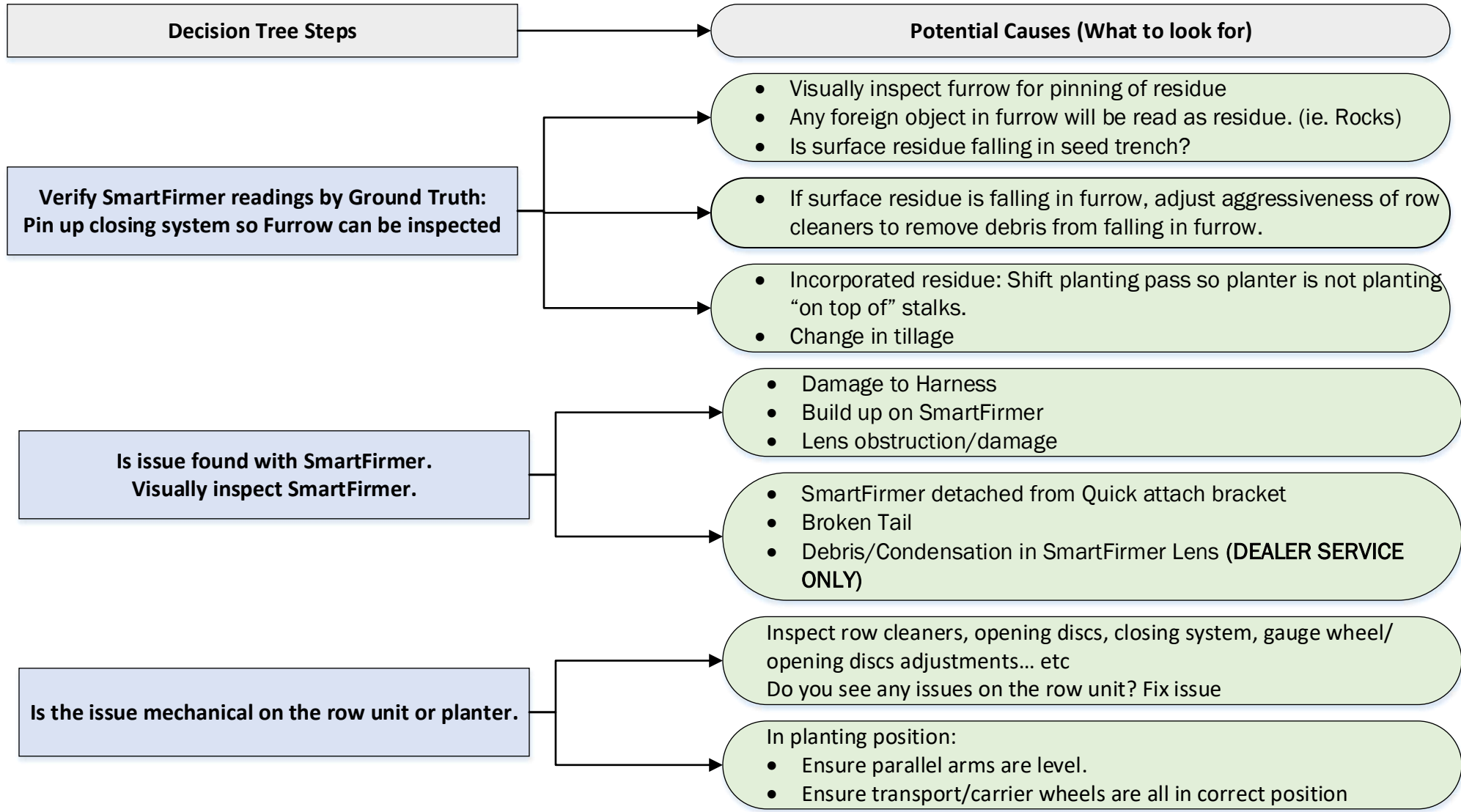
Furrow Moisture

Clean Furrow

Soil Temperature

Organic Matter

Clean Furrow



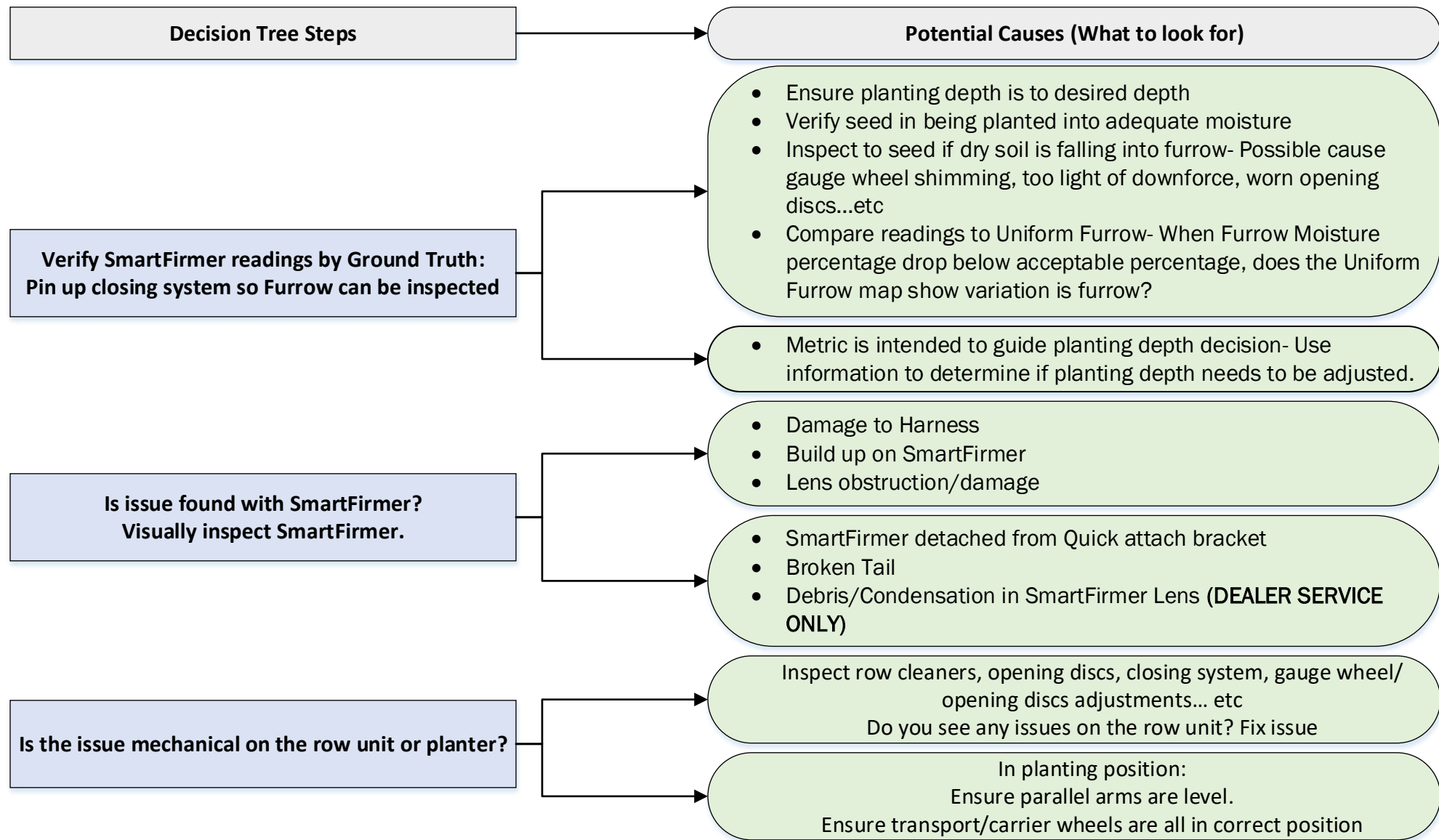
Clean Furrow Definition:
 This is a measure of the crop residue in the furrow. A value of 100% represents a perfectly clean furrow, but any value above 90% is considered to be acceptable. Either surface residue dropping into the furrow or incorporated residue will be sensed by SmartFirmer if it passes by the sensor window.
 Goal: Above 95%%

See Root Cause Analysis page

Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
 What actions can be taken to reduce risk from the information SmartFirmer is reading.
 Examples: Adjust depth, aggressiveness of row cleaners, planter maintenance...etc

What was the root cause of the issue? (Lack of Moisture)
 Tillage, residue management in harvest, row cleaners, downforce system..etc

Furrow Moisture



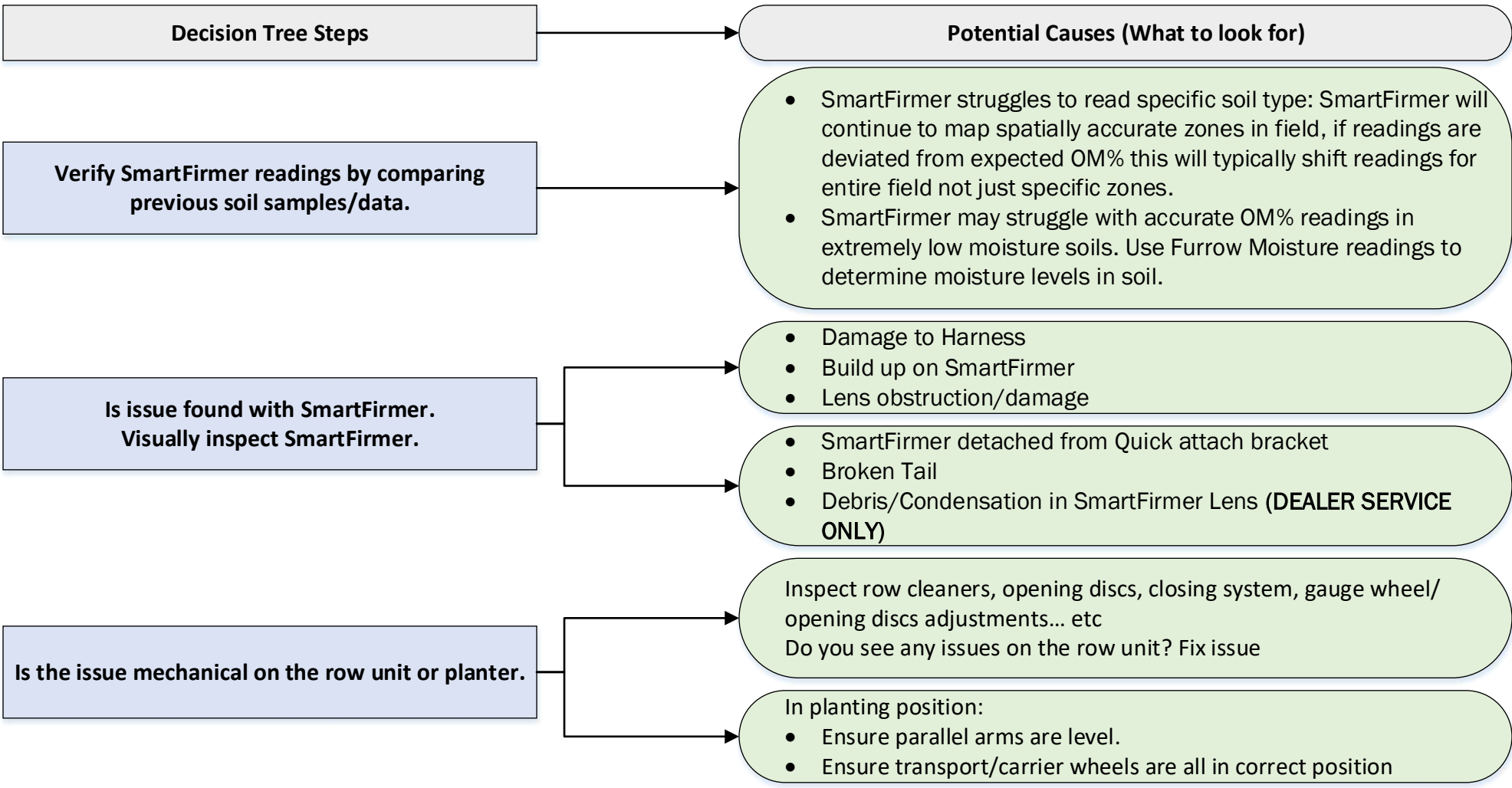
Furrow Moisture Definition:
 This is the percent of water weight that a corn seed is projected to absorb in a 3 day time period. A corn seed needs to take up 30% of its weight in moisture to start germination. It is recommended to keep this value above 20% for adequate moisture conditions. Conditions that may result in values lower than 20% could be cloddy conditions, sandy soils, and light knobs. If the SmartFirmer is highlighting dry areas, please stop & dig to ensure seeds are in an environment with moisture.
 Goal: Above 20%

[See Root Cause Analysis page](#)

Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
 What actions can be taken to reduce risk from the information SmartFirmer is reading.
 Examples: Adjust depth, aggressiveness of row cleaners, planter maintenance...etc

What was the root cause of the issue? (Lack of Moisture)
 Tillage, residue management in harvest, row cleaners, downforce system..etc

Organic Matter (OM)



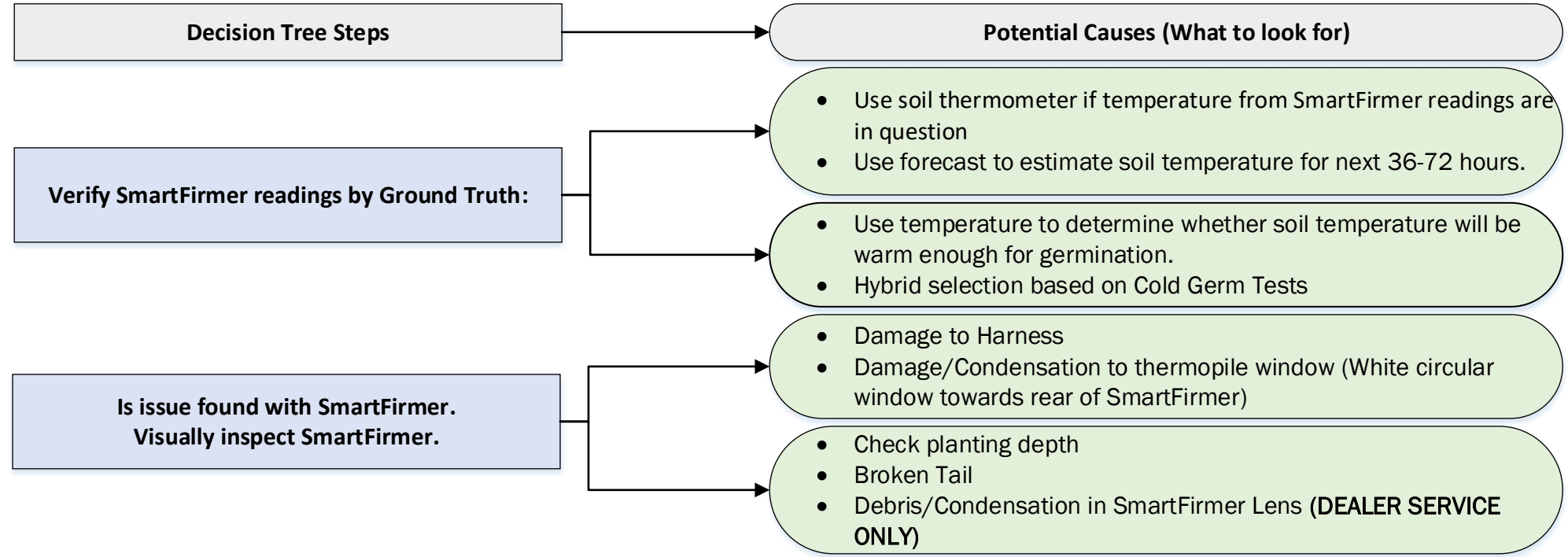
Organic Matter (OM) Definition:
 is the portion of the soil that consists of plant material in various stages of decomposition. The SmartFirmer organic matter measurement includes all of this except the visible crop residue. The reported organic matter values are similar to what is reported in a lab using the "Loss On Ignition" organic matter test. For most fields, reported organic matter will be greater than 0.5% and less than 6%. The value should be fairly stable each second and only change over hundreds of feet.

See Root Cause Analysis page

Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
 What actions can be taken to reduce risk from the information SmartFirmer is reading.
 Examples: Adjust depth, aggressiveness of row cleaners, planter maintenance...etc

What was the root cause of the issue? (Lack of Moisture)
 Tillage, residue management in harvest, row cleaners, downforce system..etc

Soil Temperature (Temp):



Soil Temperature (Temp) Definition:
Real time temperature at seeding depth.
Goal: Above 50 degrees

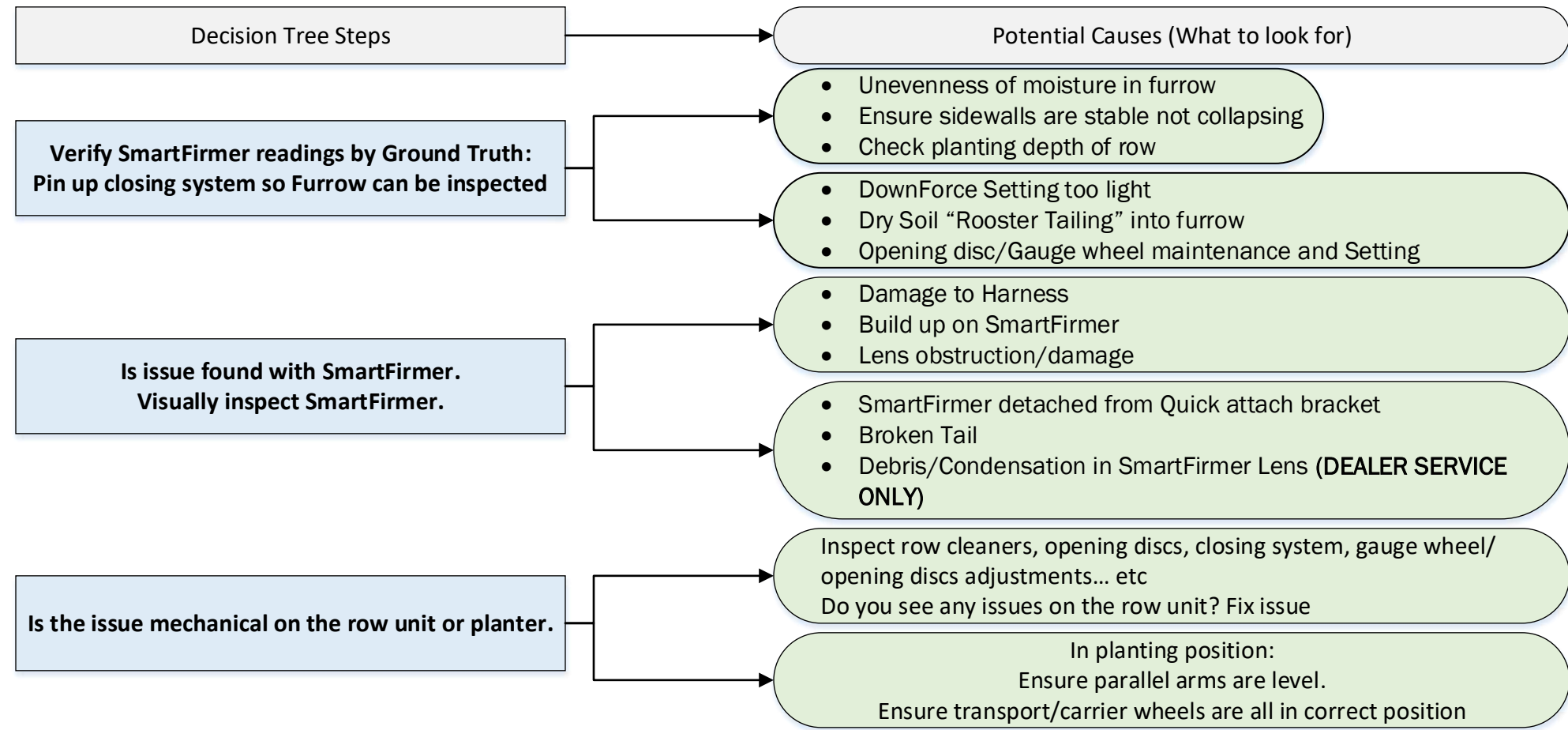
Is the issue mechanical on the row unit or planter?

See Root Cause Analysis page

Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
What actions can be taken to reduce risk from the information SmartFirmer is reading.
Examples: Adjust depth, aggressiveness of row cleaners, planter maintenance...etc

What was the root cause of the issue? (Lack of Moisture)
Tillage, residue management in harvest, row cleaners, downforce system..etc

Uniform Furrow



[See Root Cause Analysis page](#)

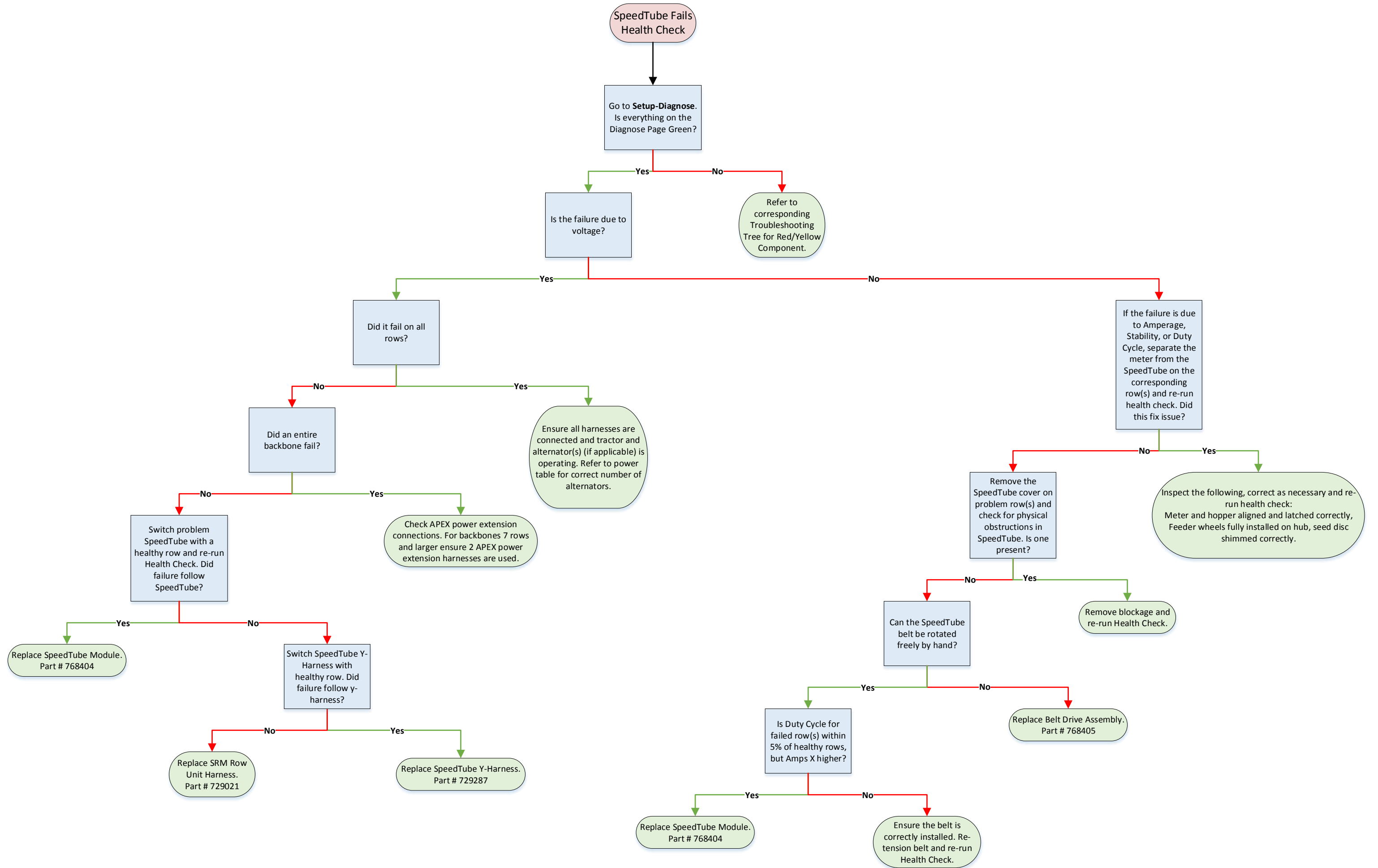
Uniform Furrow Definition:
Any variation in the furrow (light, cloddiness, moisture changes)

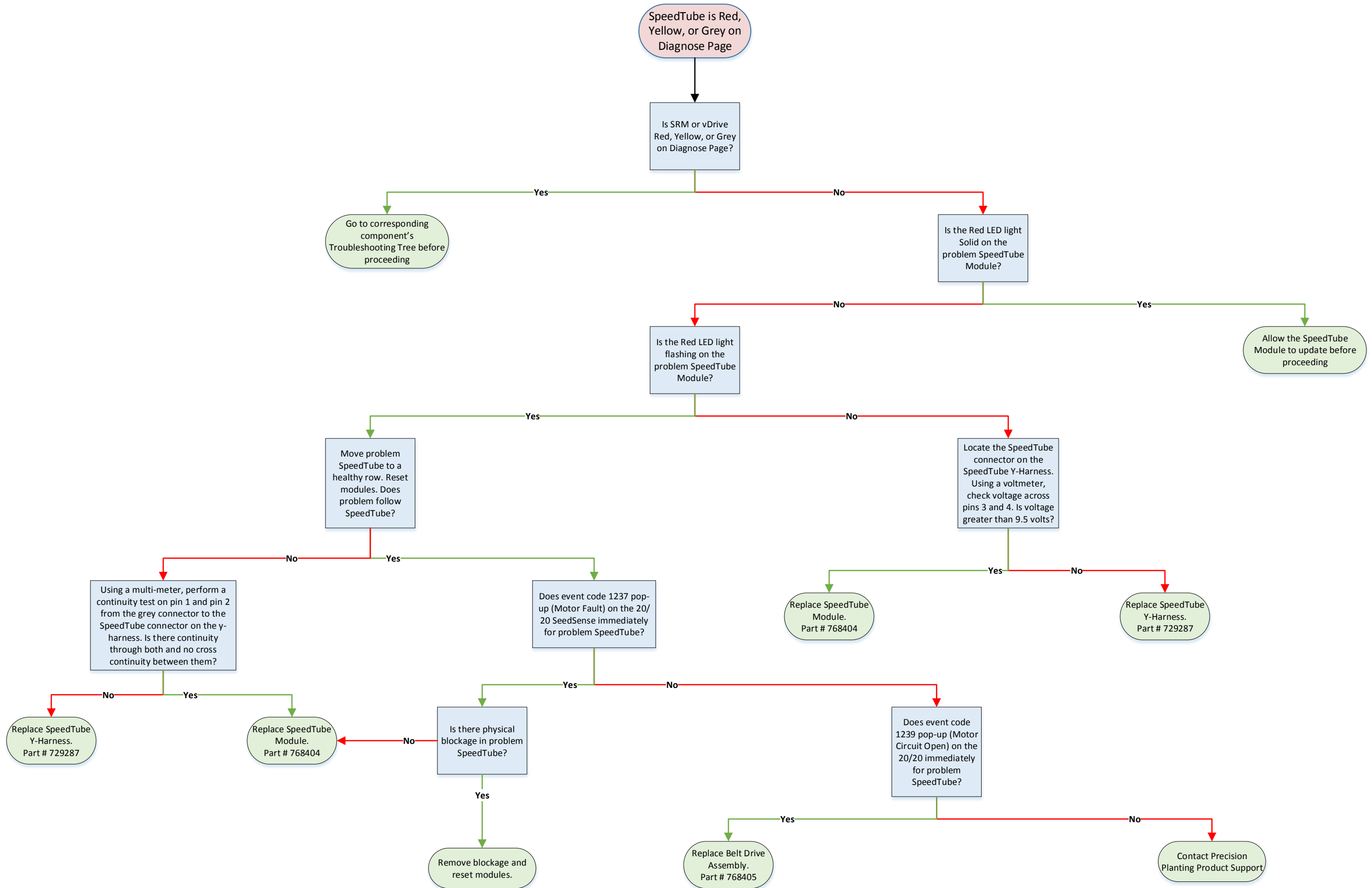
Can action be taken to fix or mitigate loss from issue found by SmartFirmer?
What actions can be taken to reduce risk from the information SmartFirmer is reading.
Examples: Adjust depth, aggressiveness of row cleaners, planter maintenance...etc

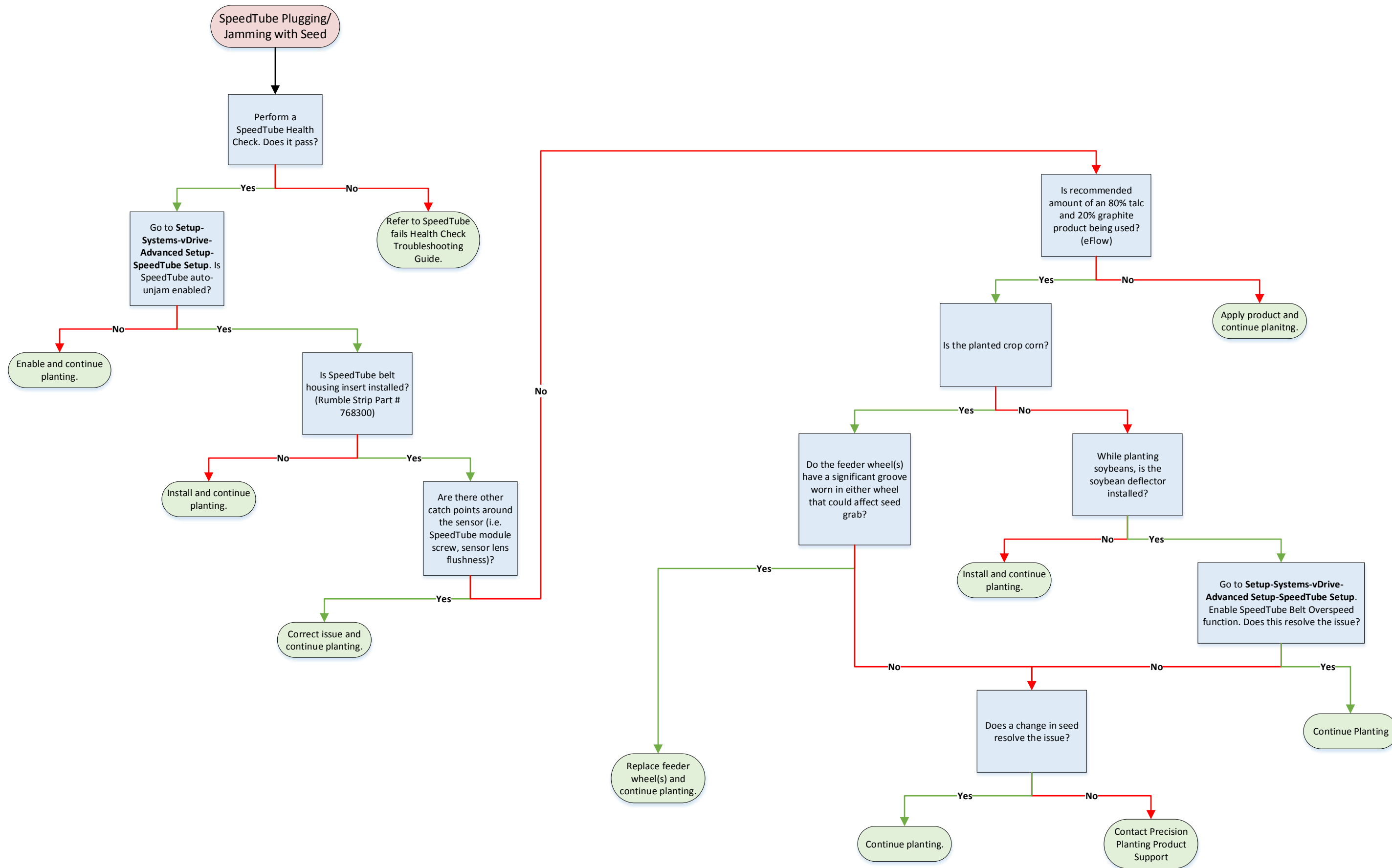
What was the root cause of the issue?
Tillage, residue management in harvest, row cleaners, downforce system..etc

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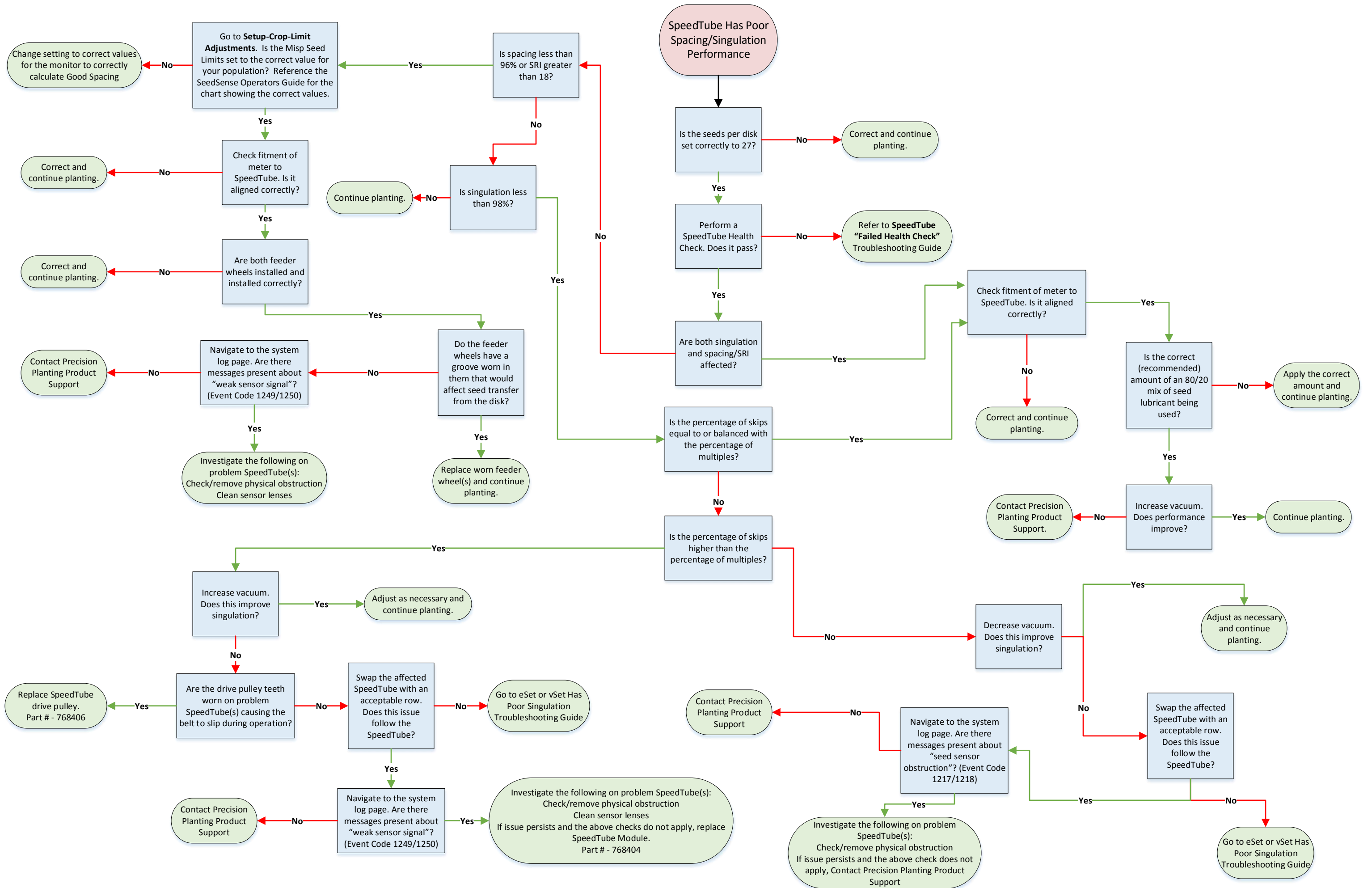
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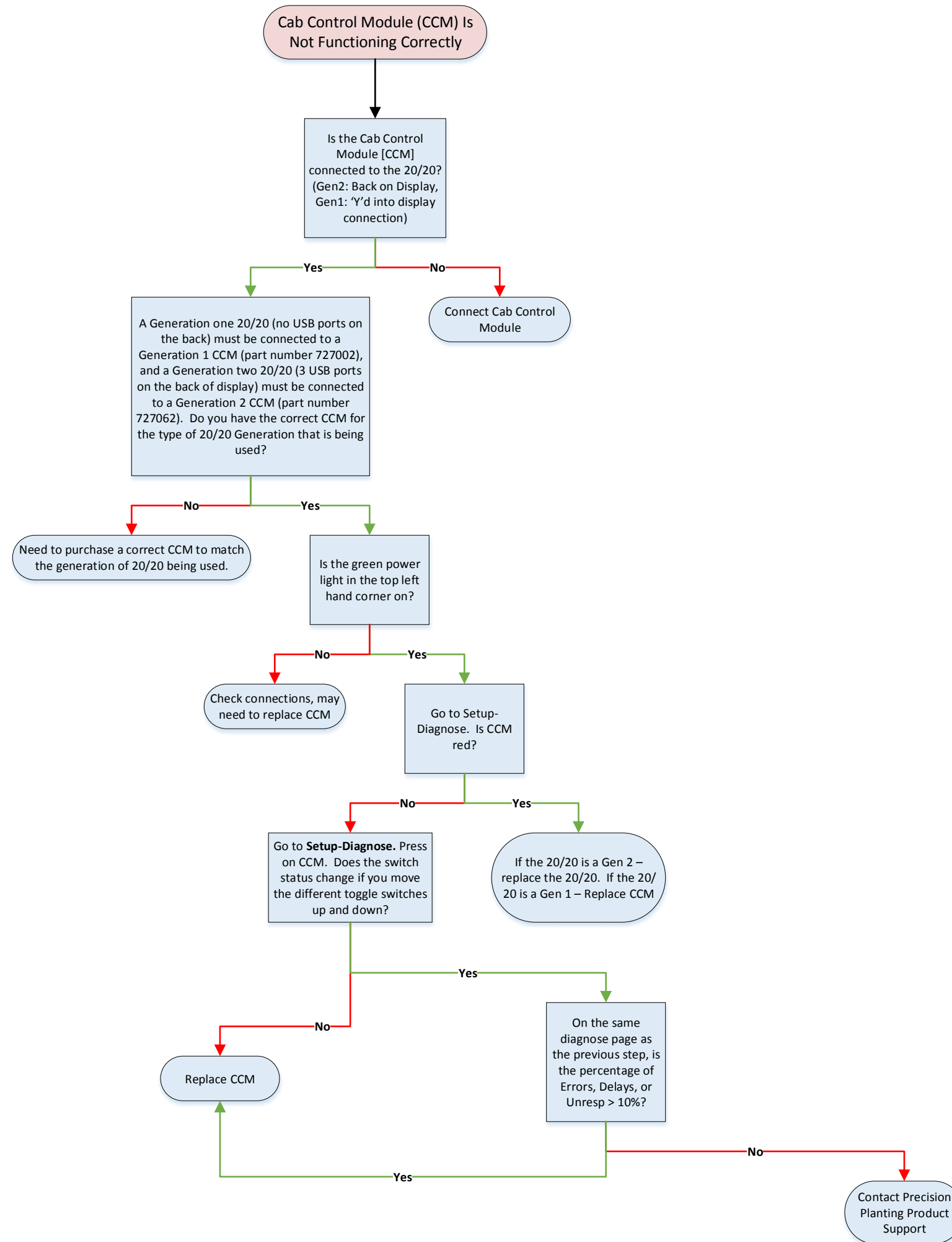


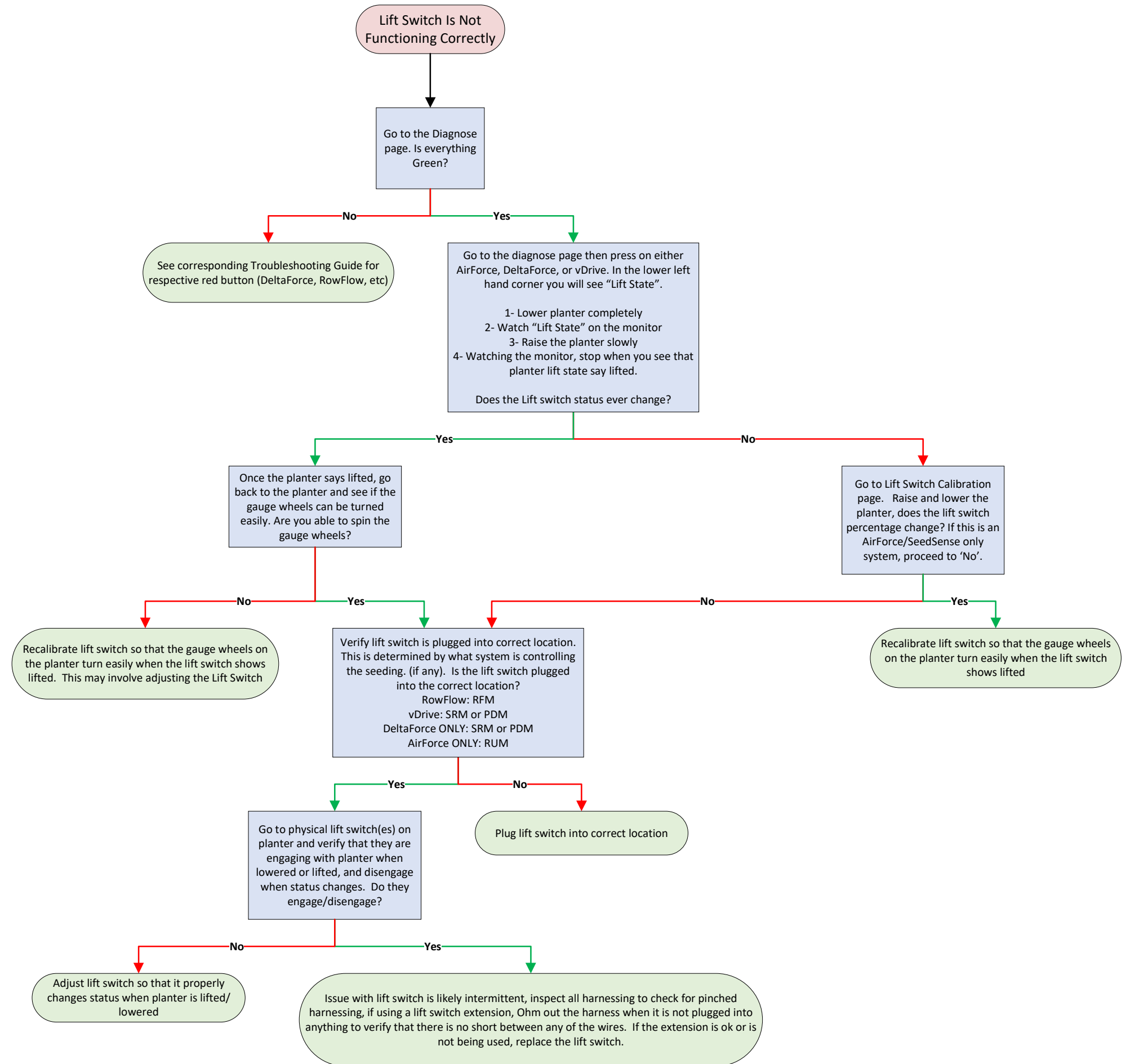
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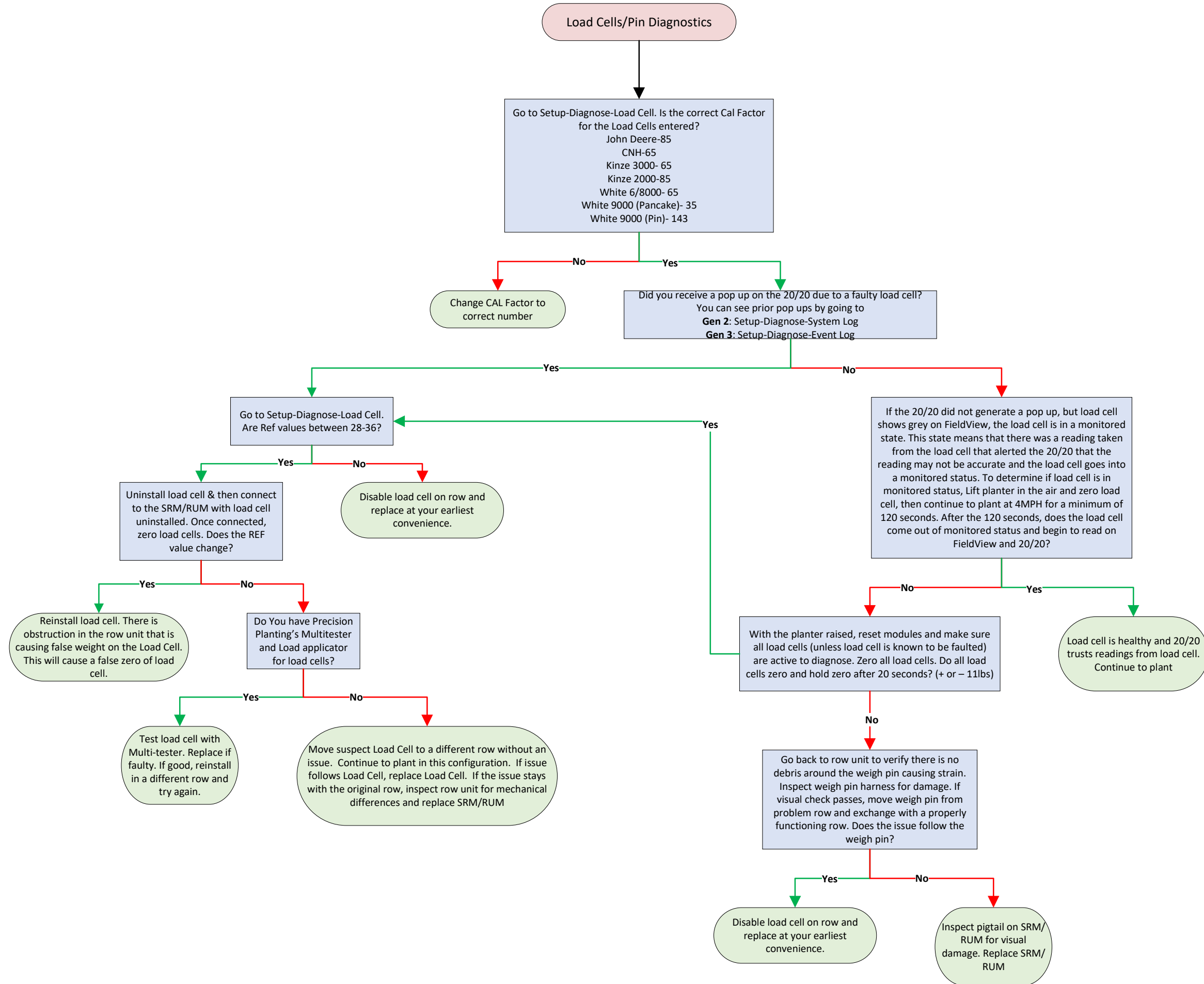


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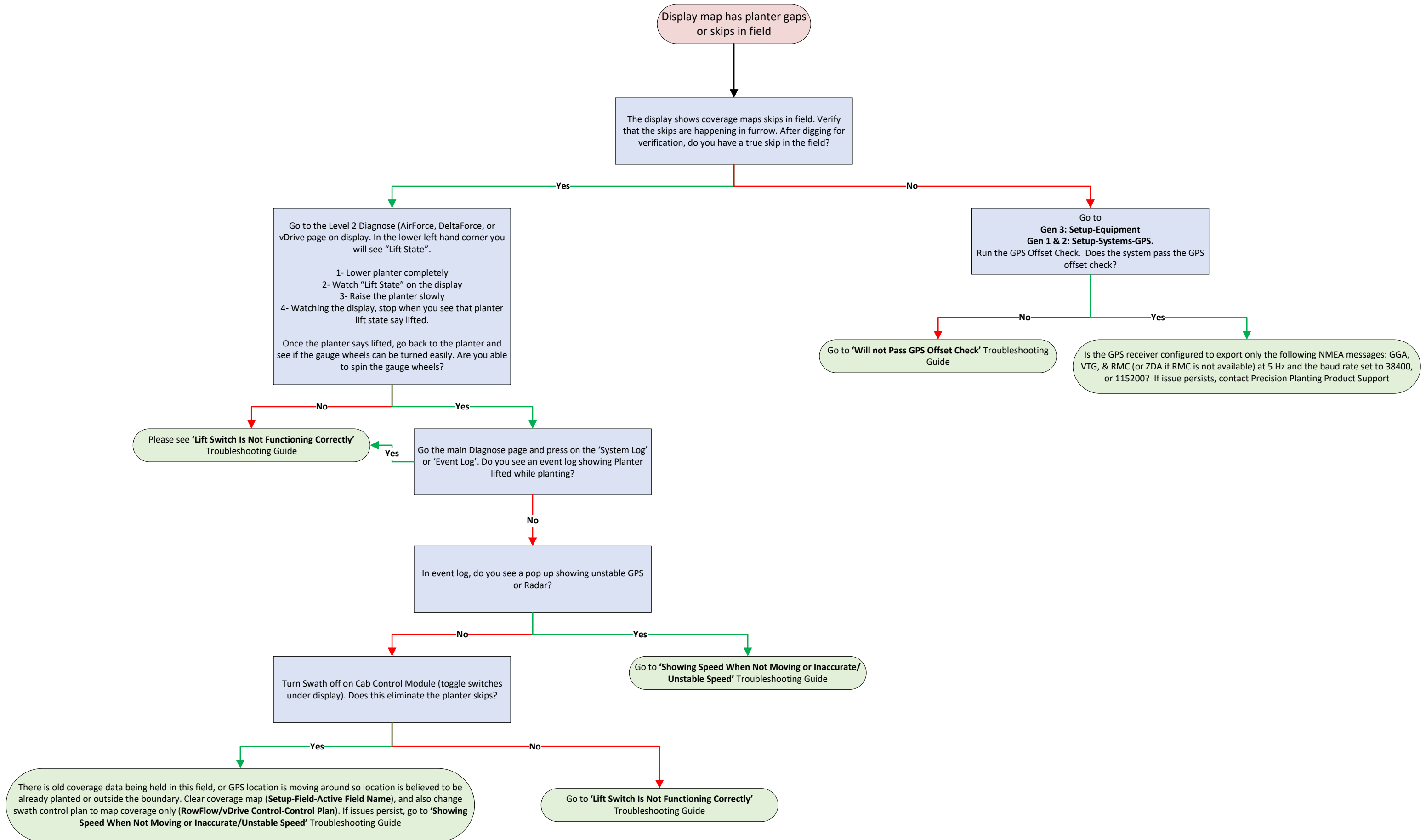
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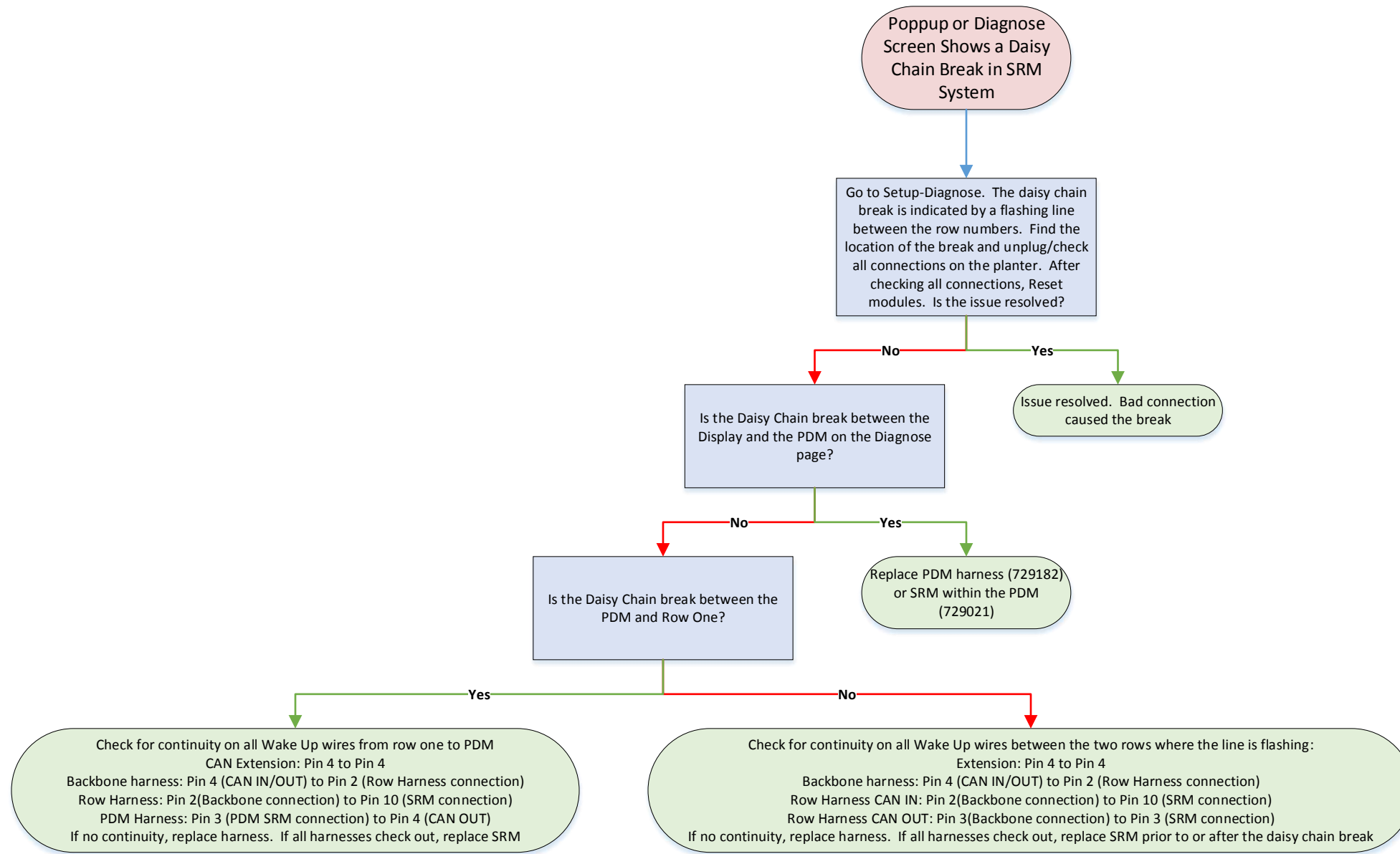


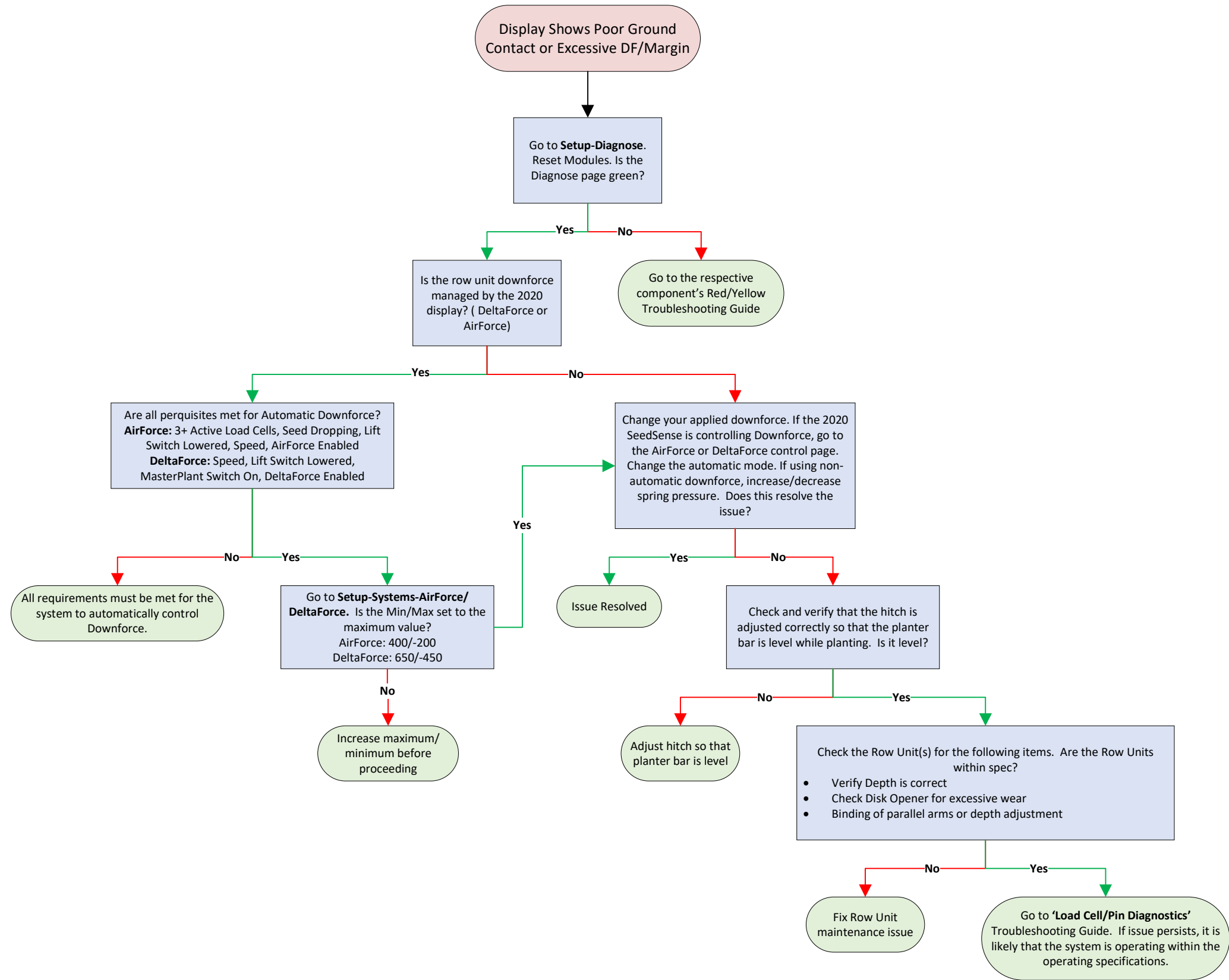


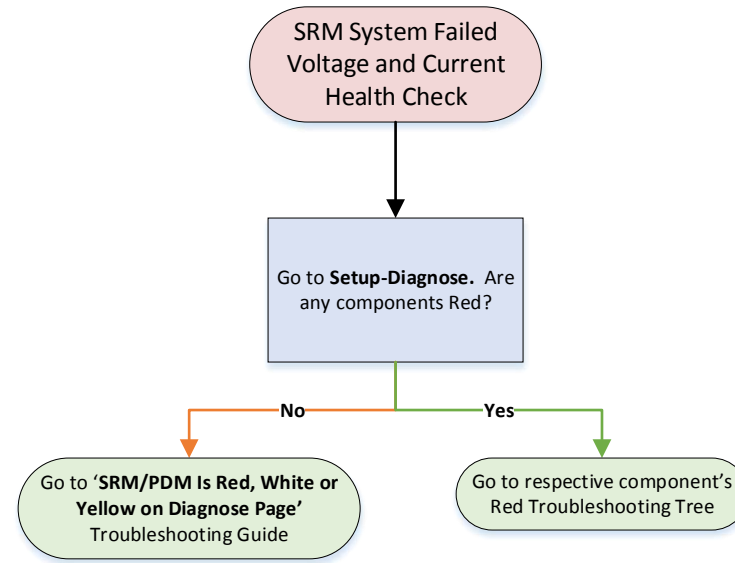


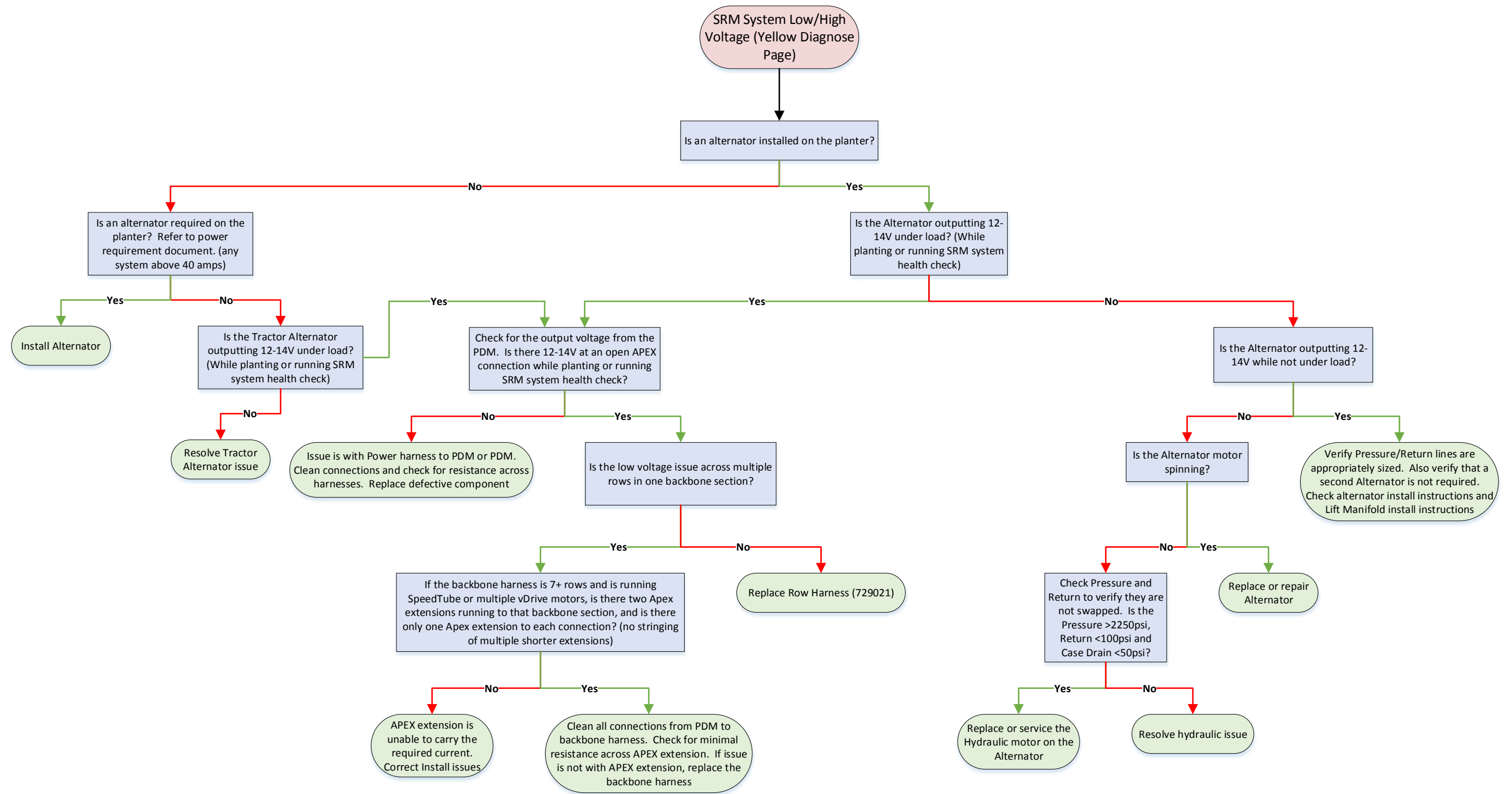
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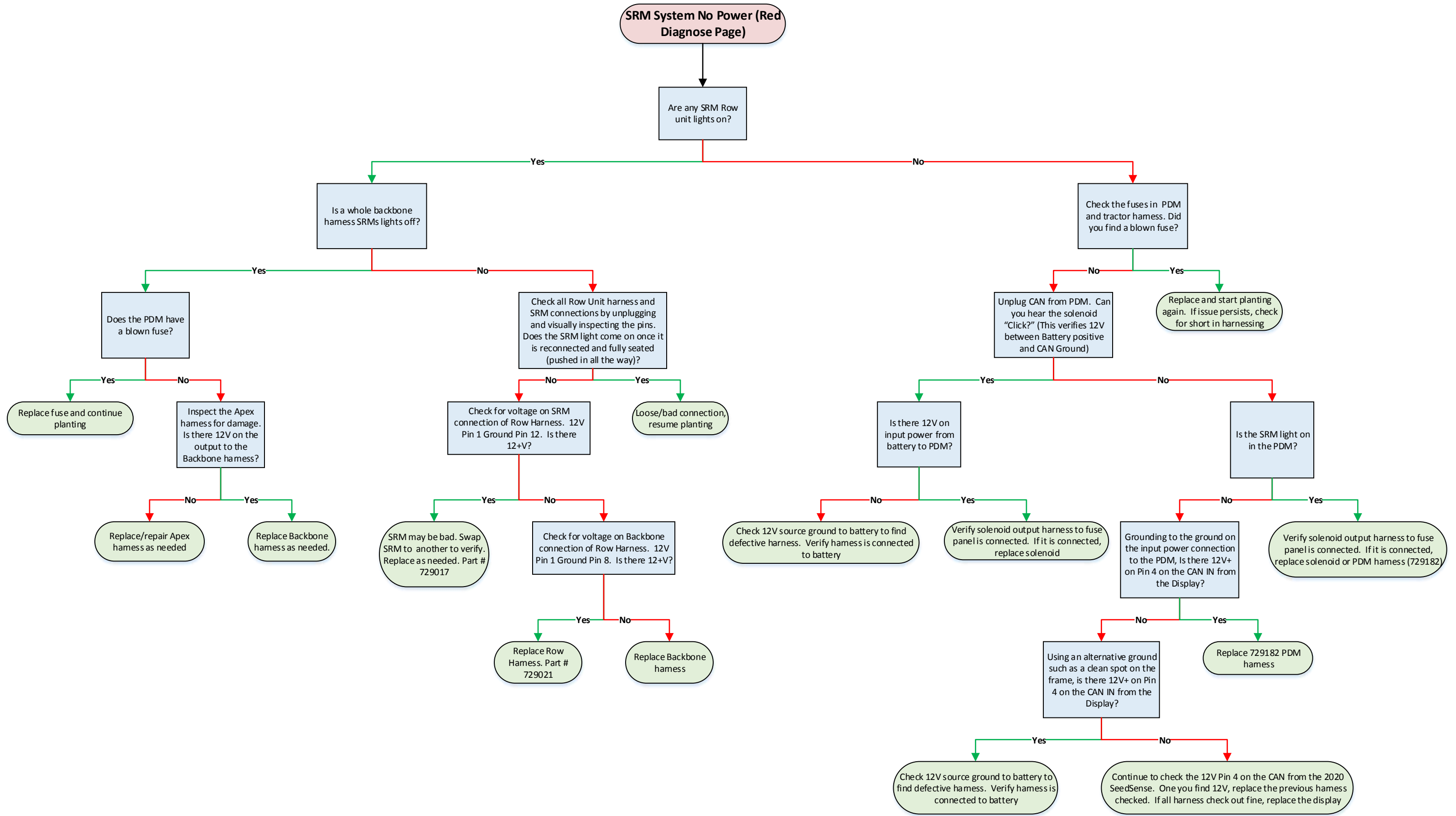




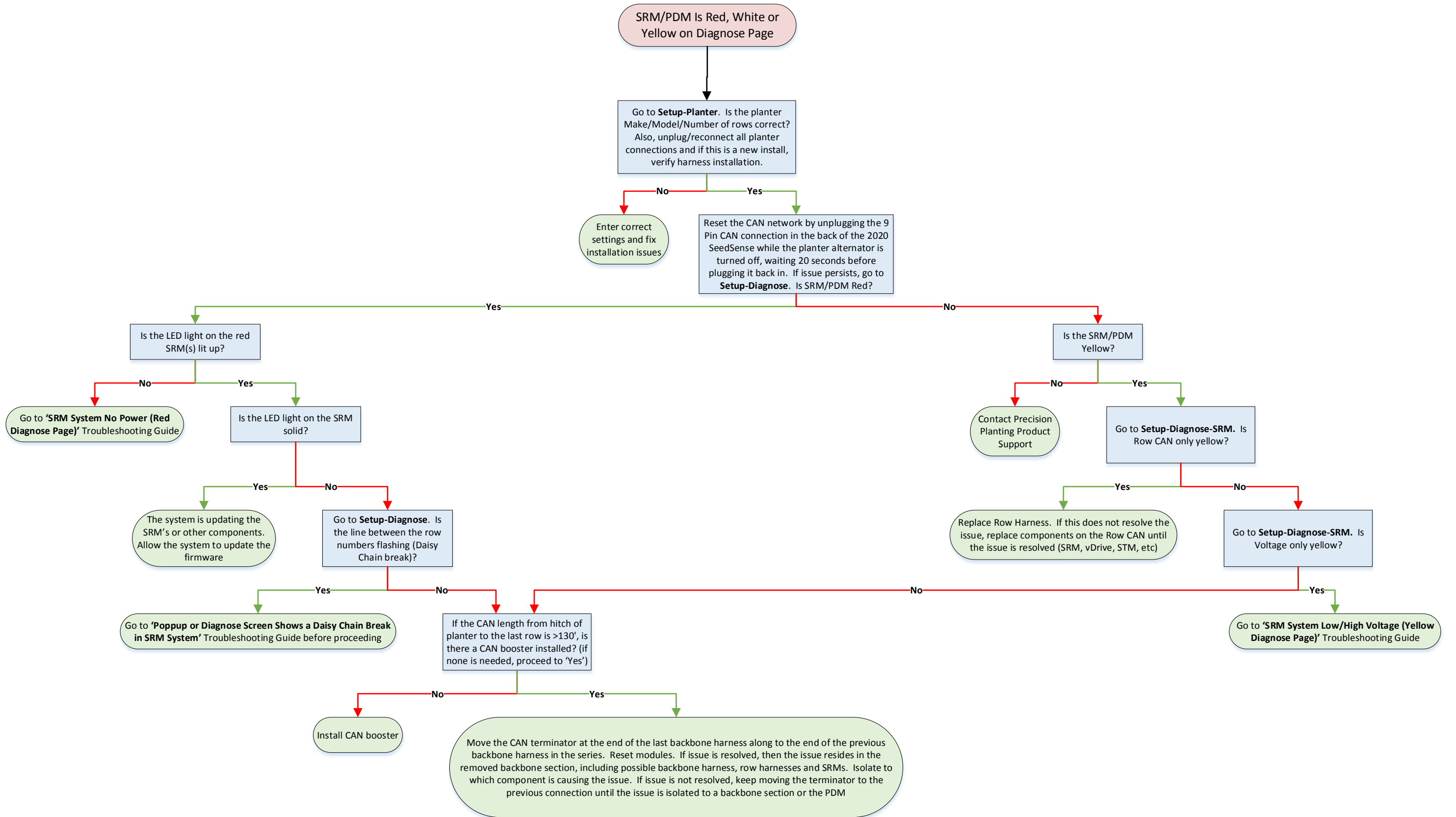






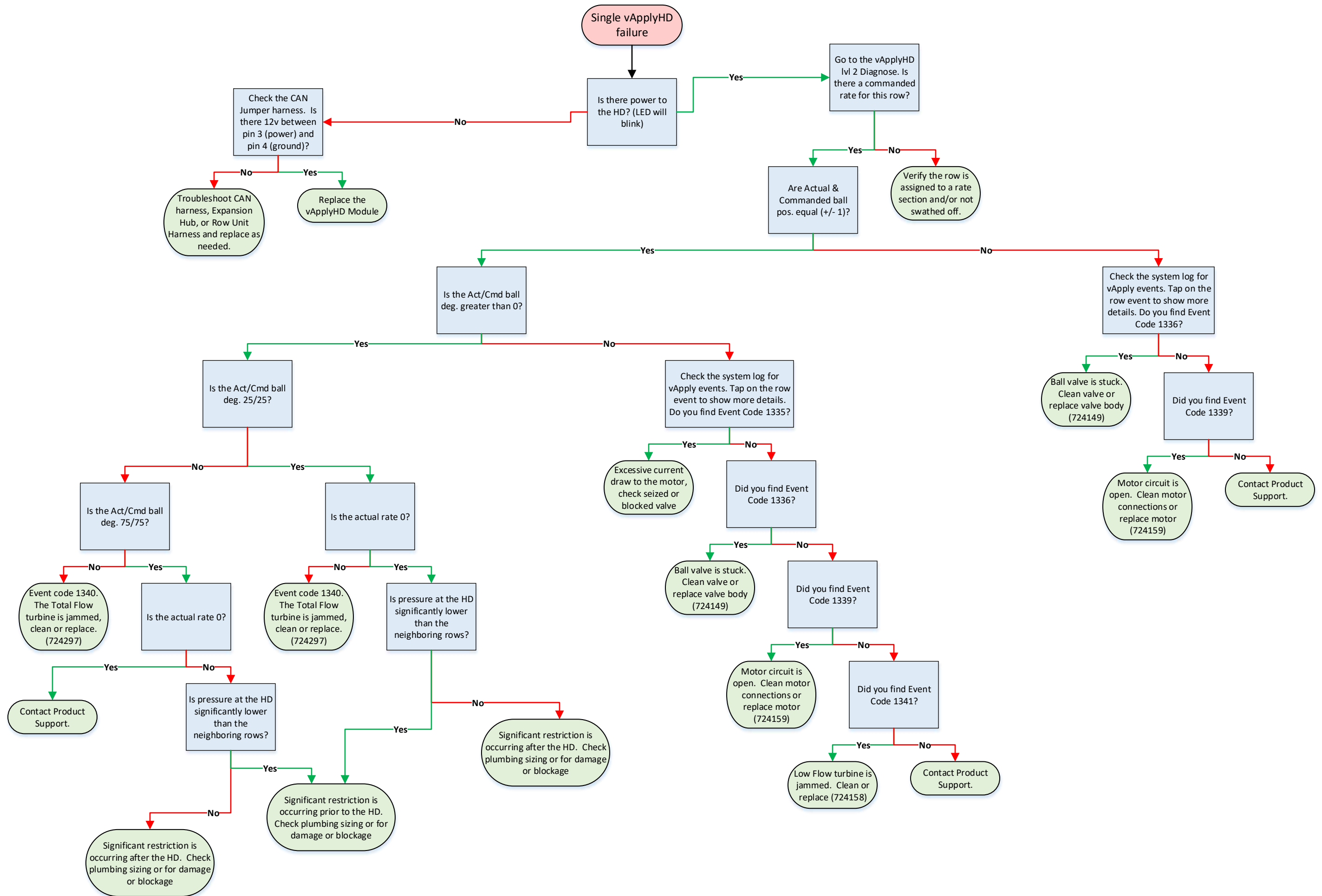


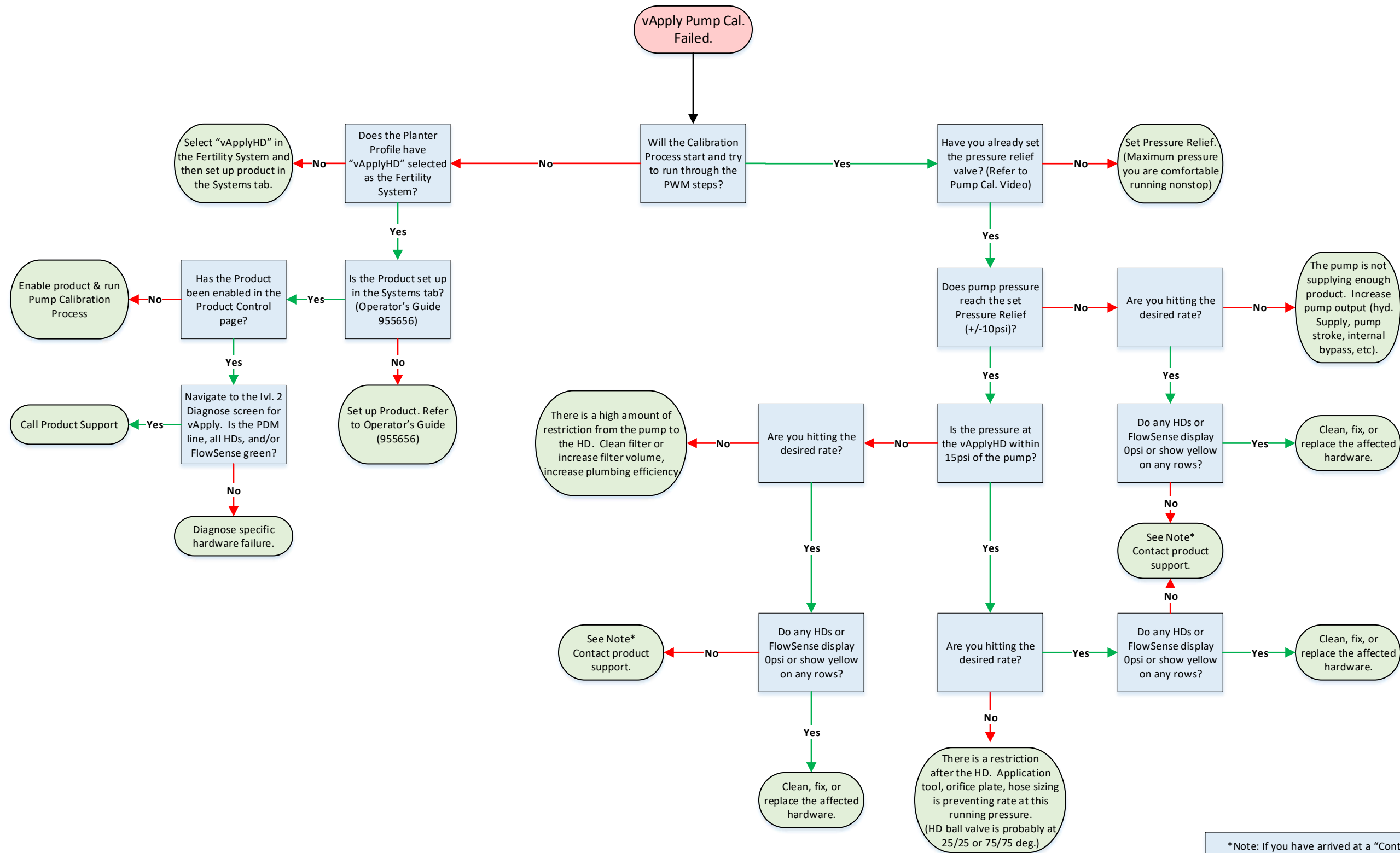
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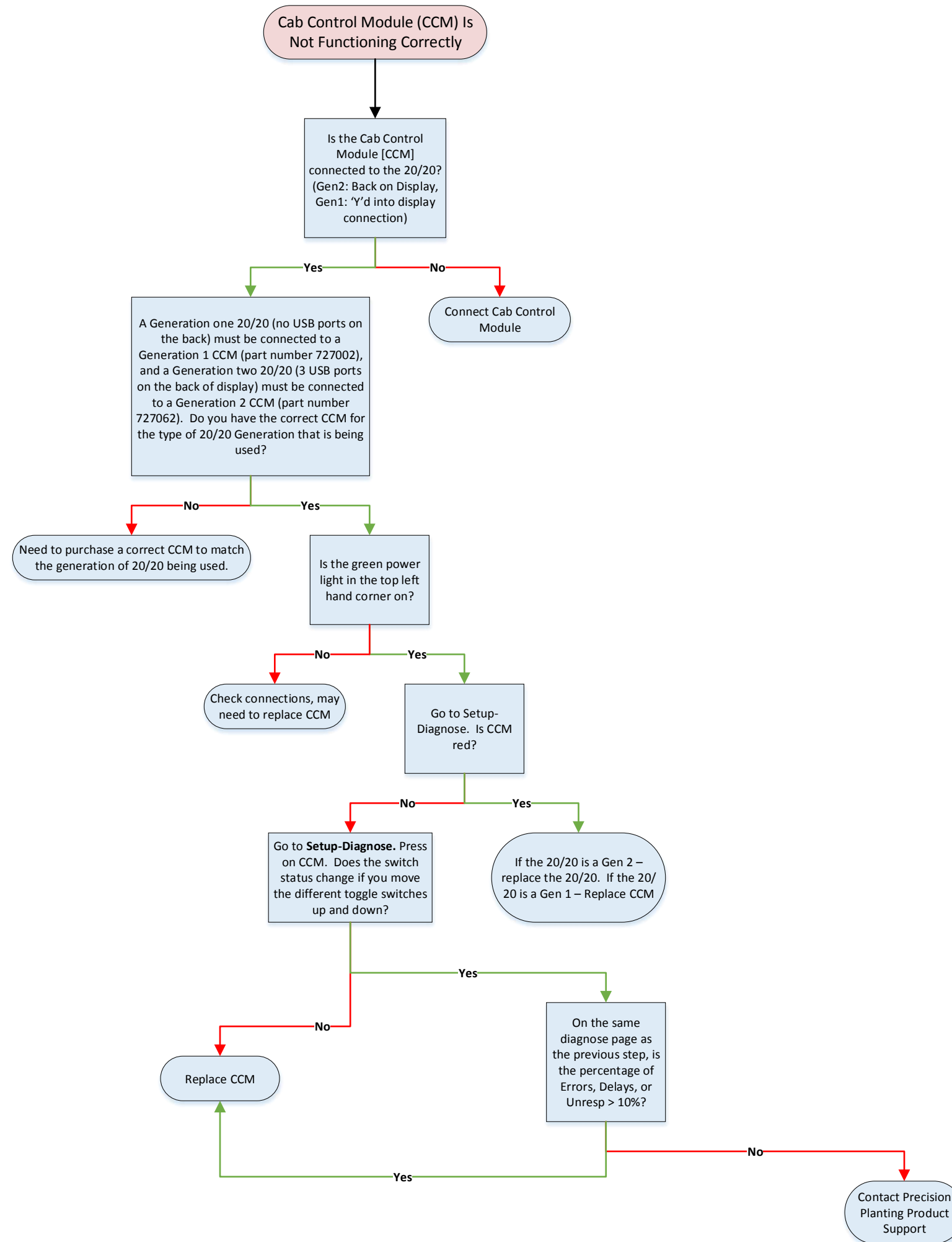


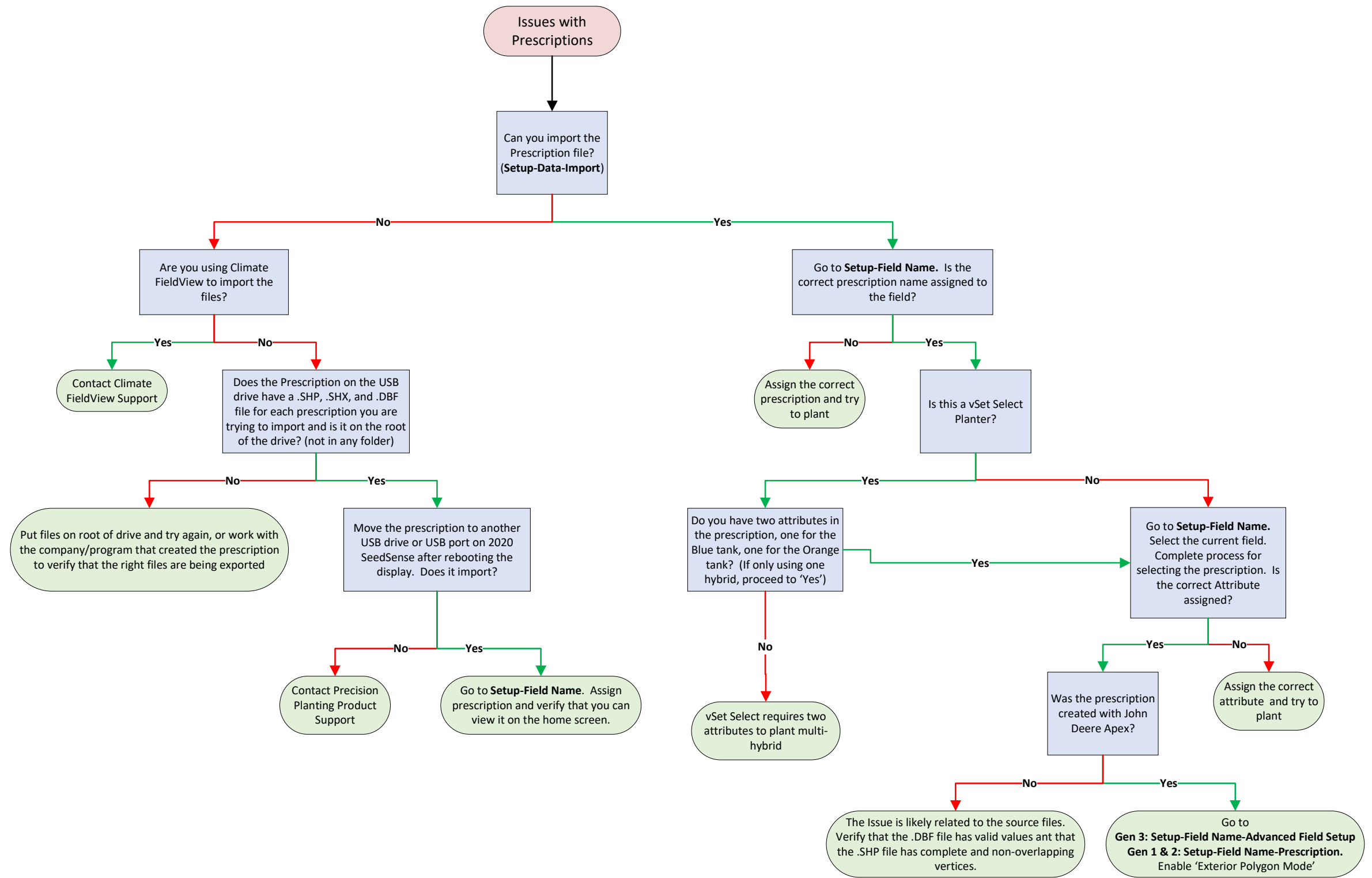


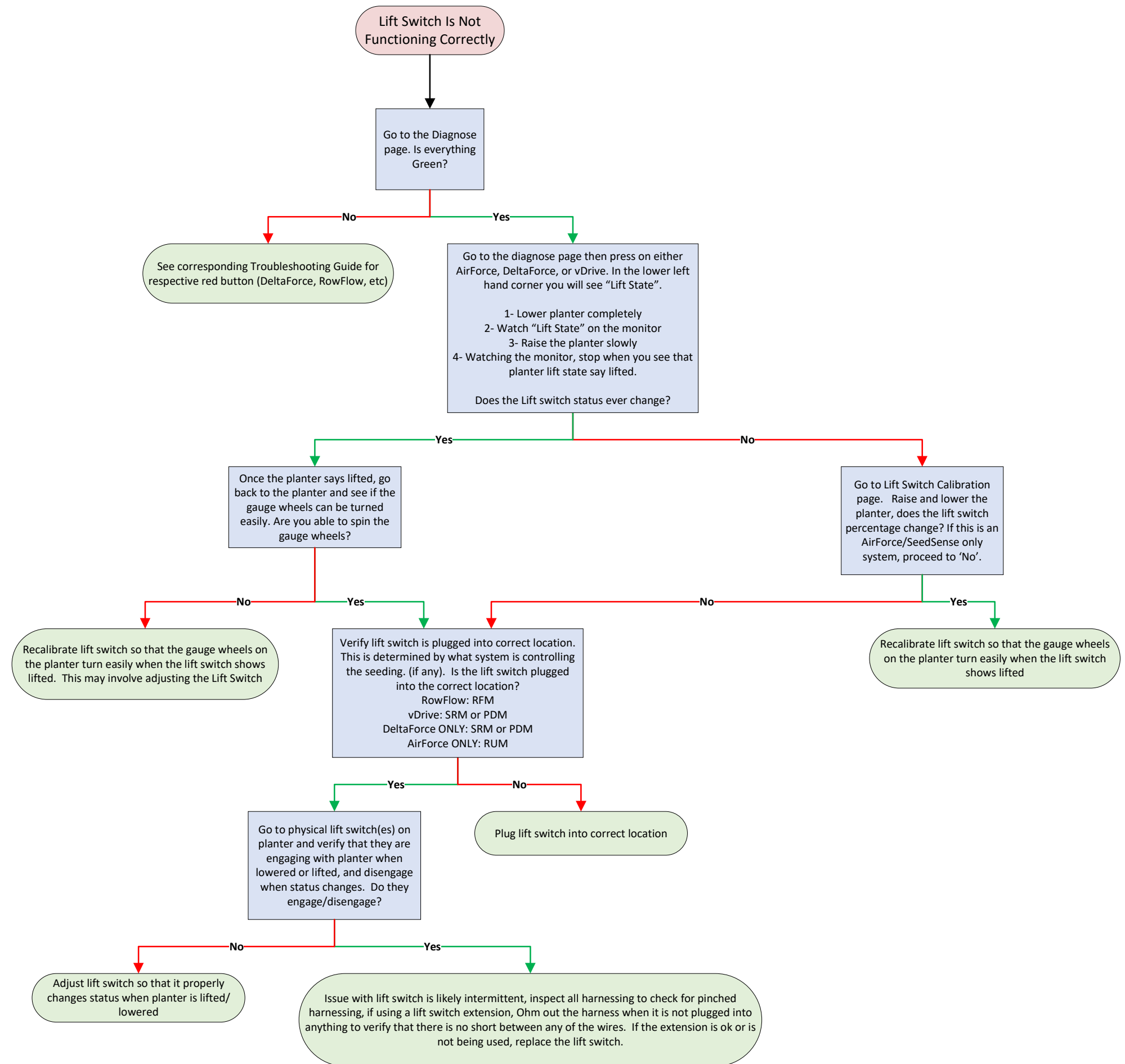
*Note: If you have arrived at a "Contact Product Support" bubble, check the Advanced Settings first.
Setup>Systems>vApplyHD>Product Setup>Adv. Settings.
 These settings should stay at their default values unless instructed by someone in Product Support.
Sensor Type = Precision Planting
Pressure Max. = Whatever the user entered during setup. Pressure greater than this number will fail a pump cal. And/or create an alarm when planting.
Min/Max Rate (or Gal/min) = No Limit for both
Pump PWM Frequency = 150hz (or as indicated on specific motor/pump)
Manual PWM = set between 0 and 100
Min PWM % = 10% for Electric 30% for Hydraulic
Max PWM % = 95% for both Electric and Hydraulic

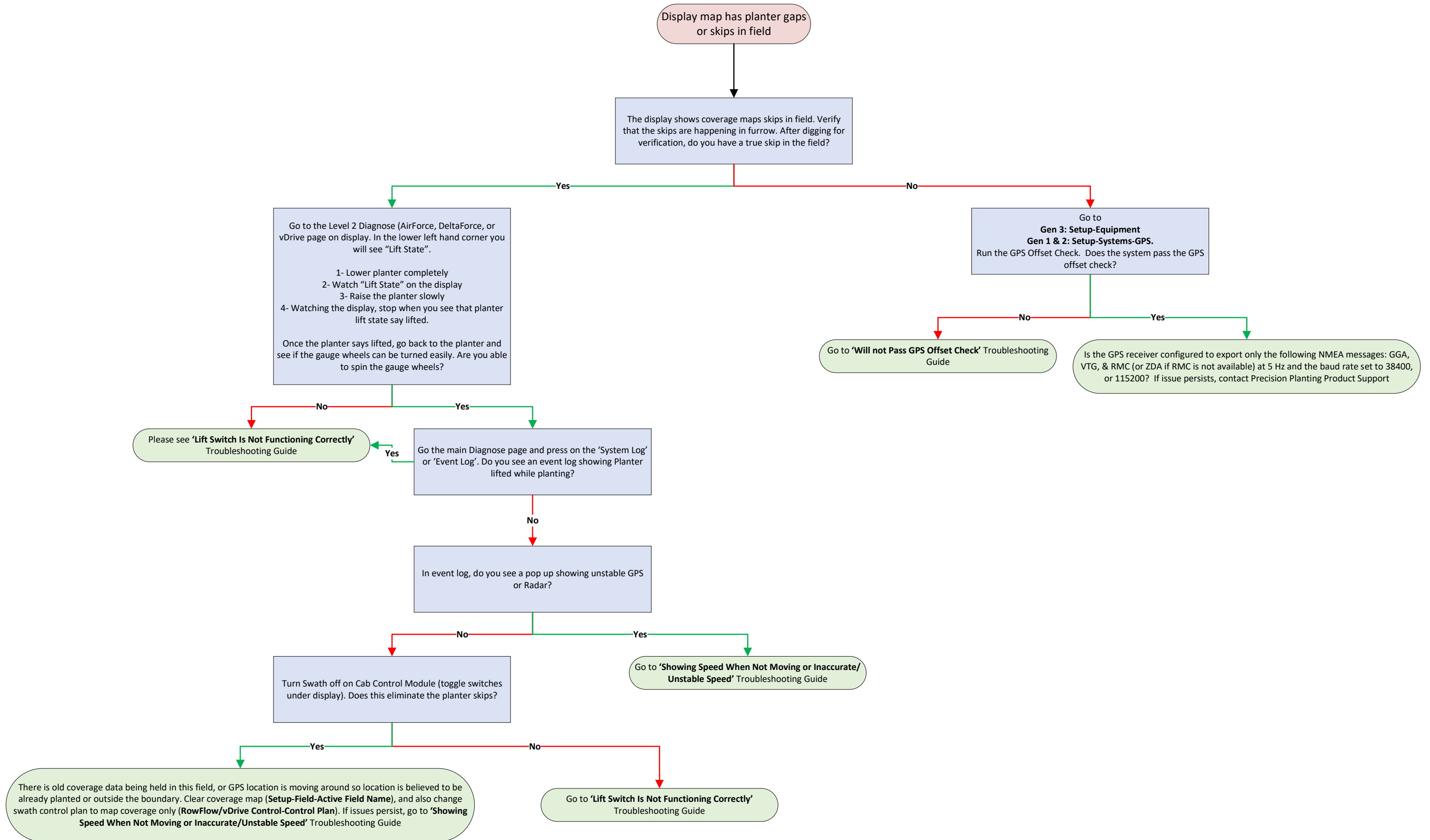
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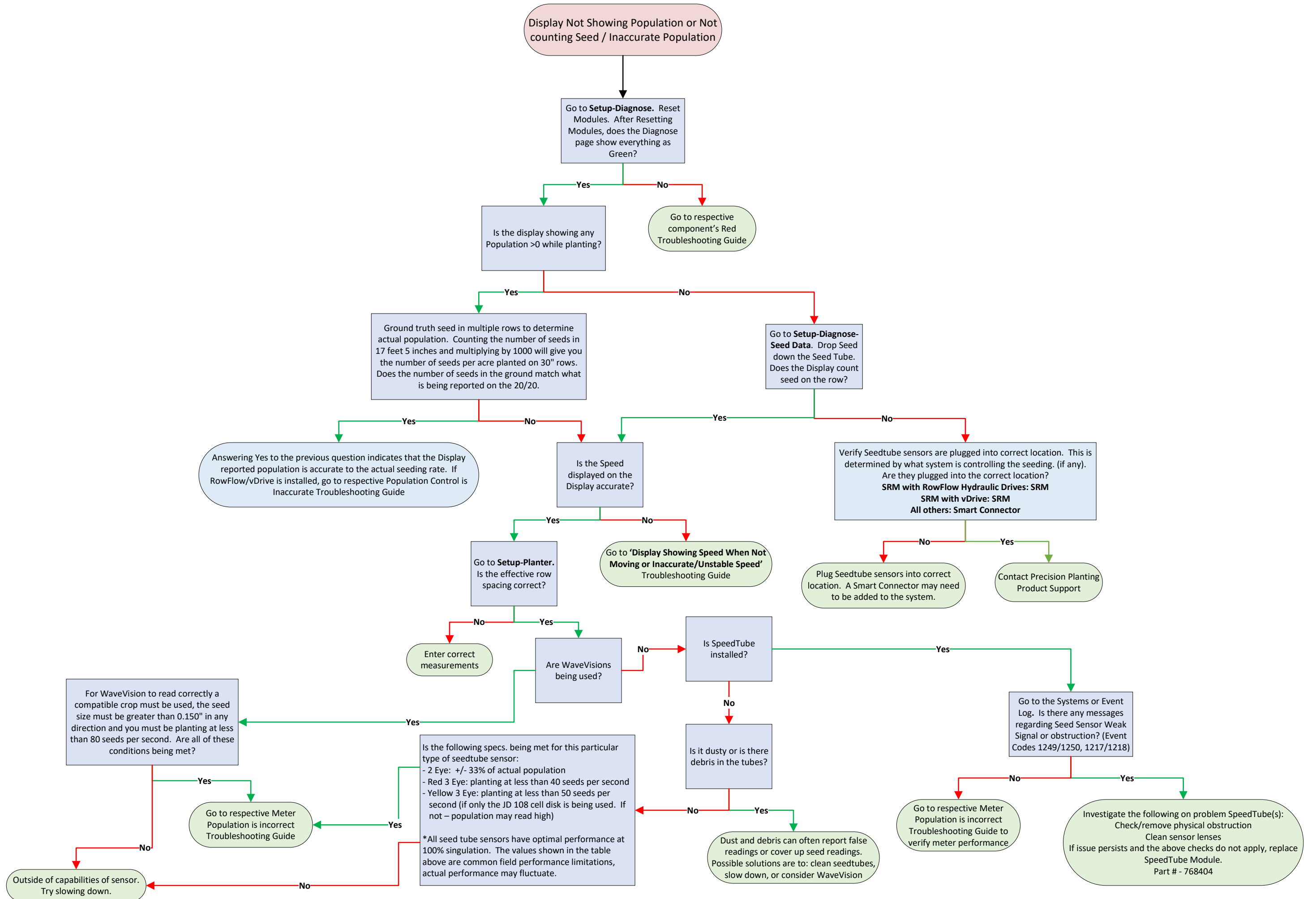
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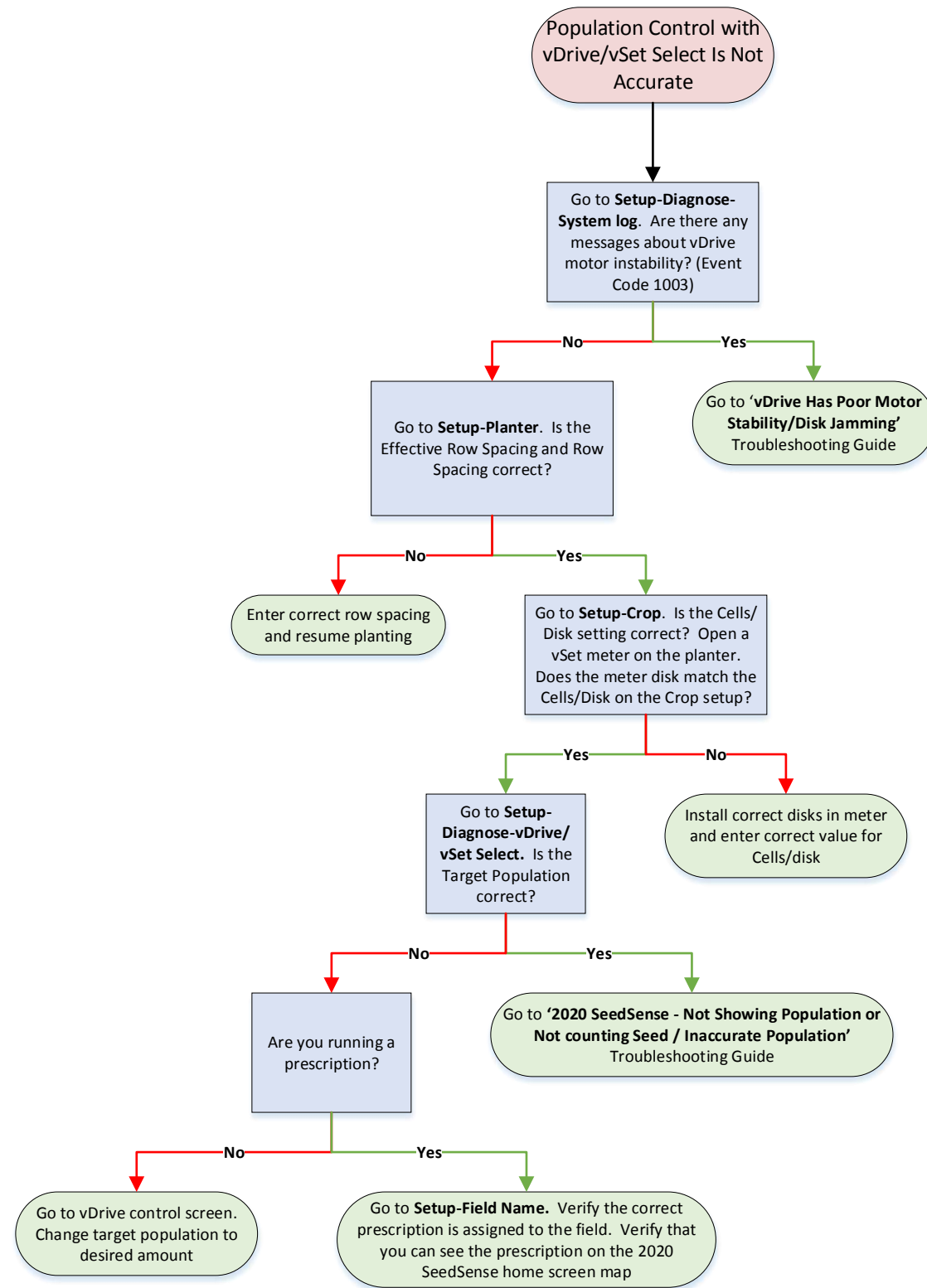


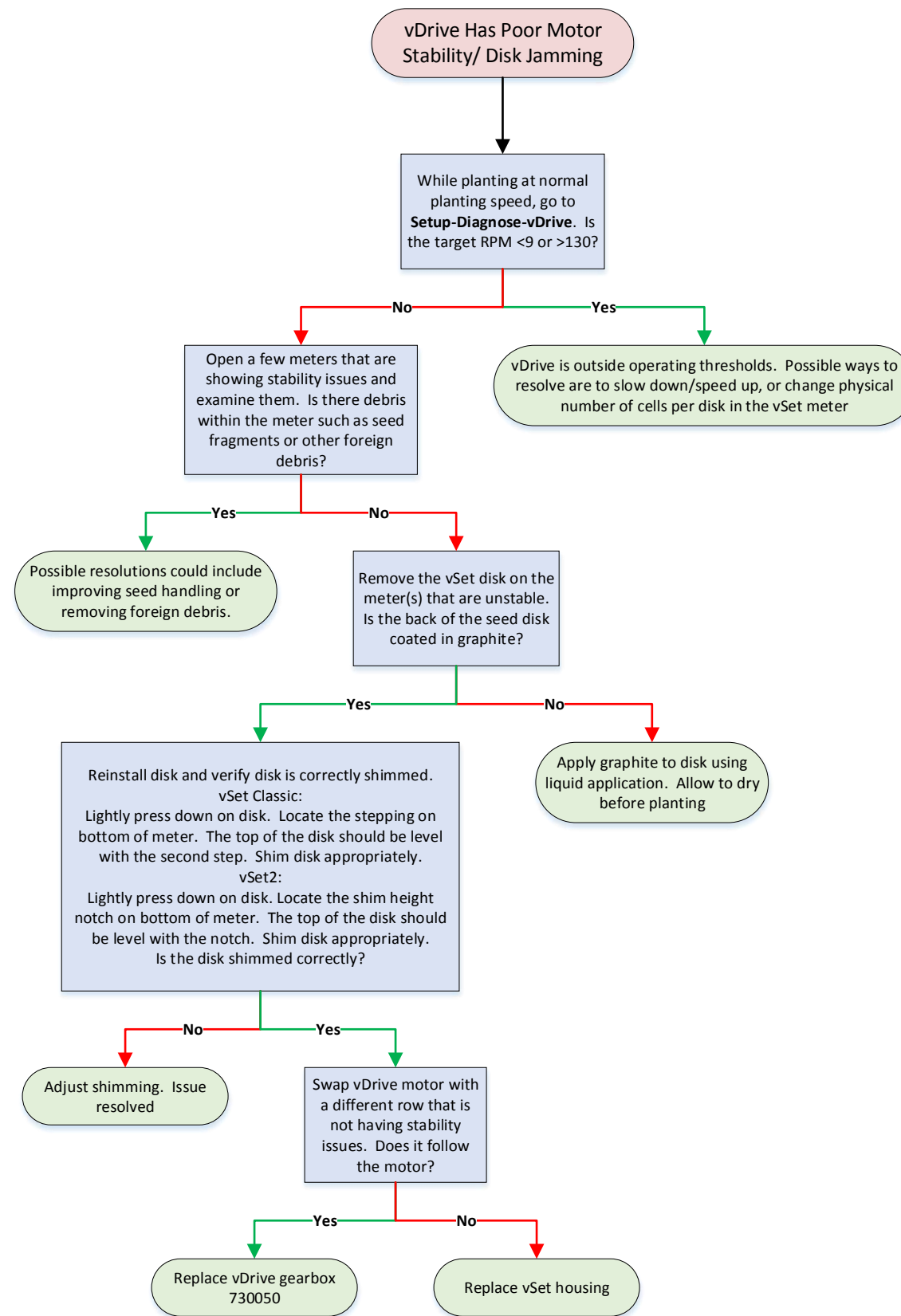


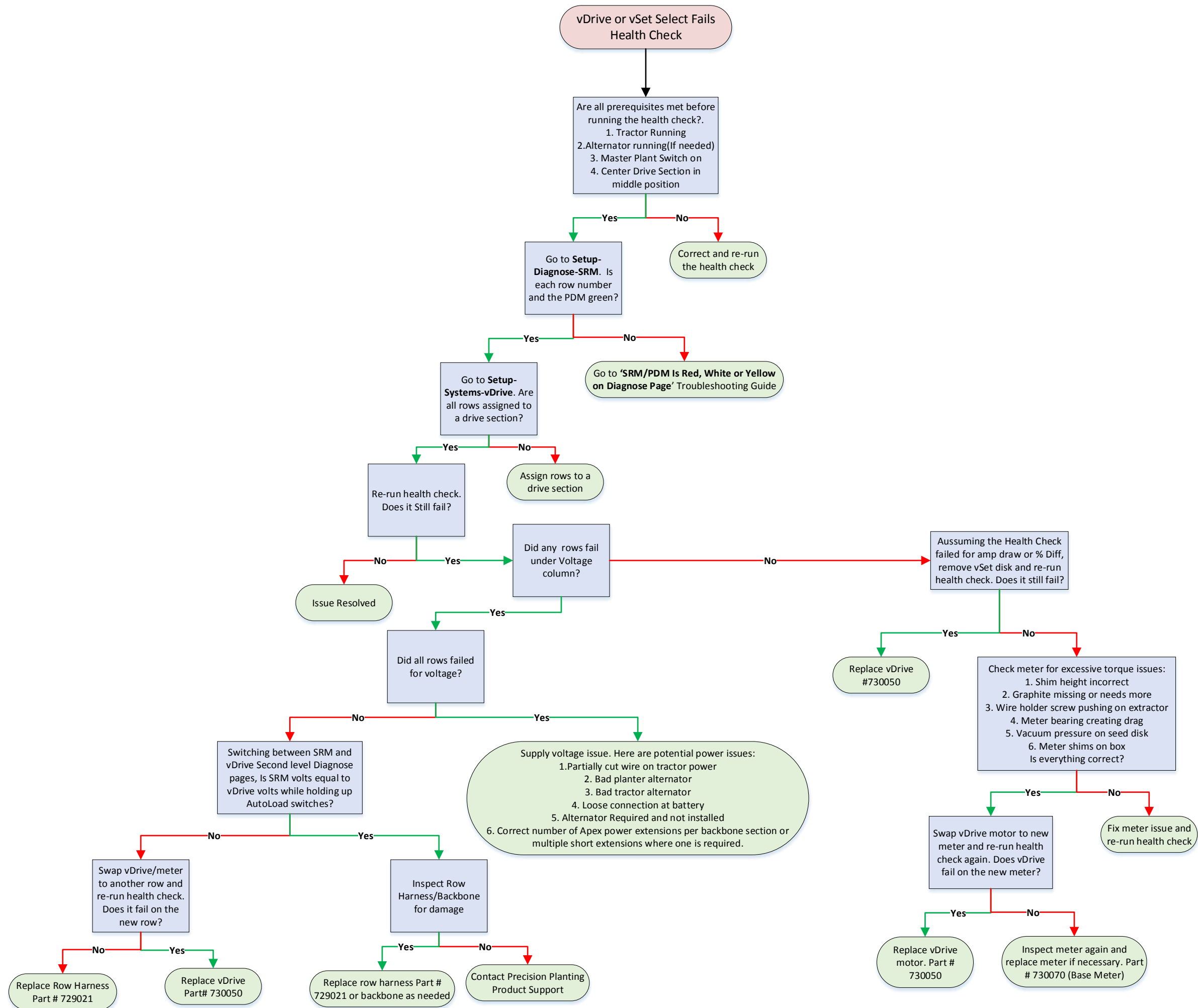


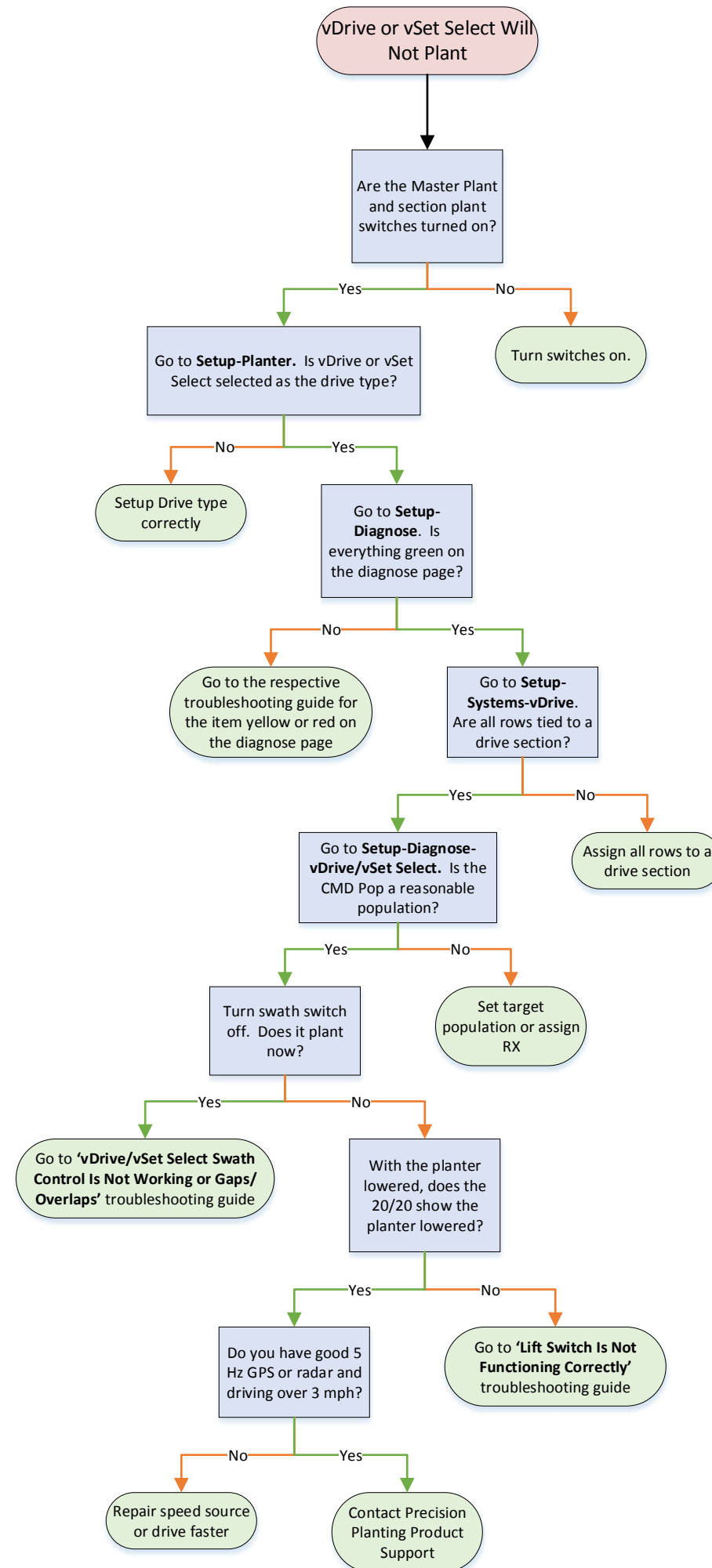


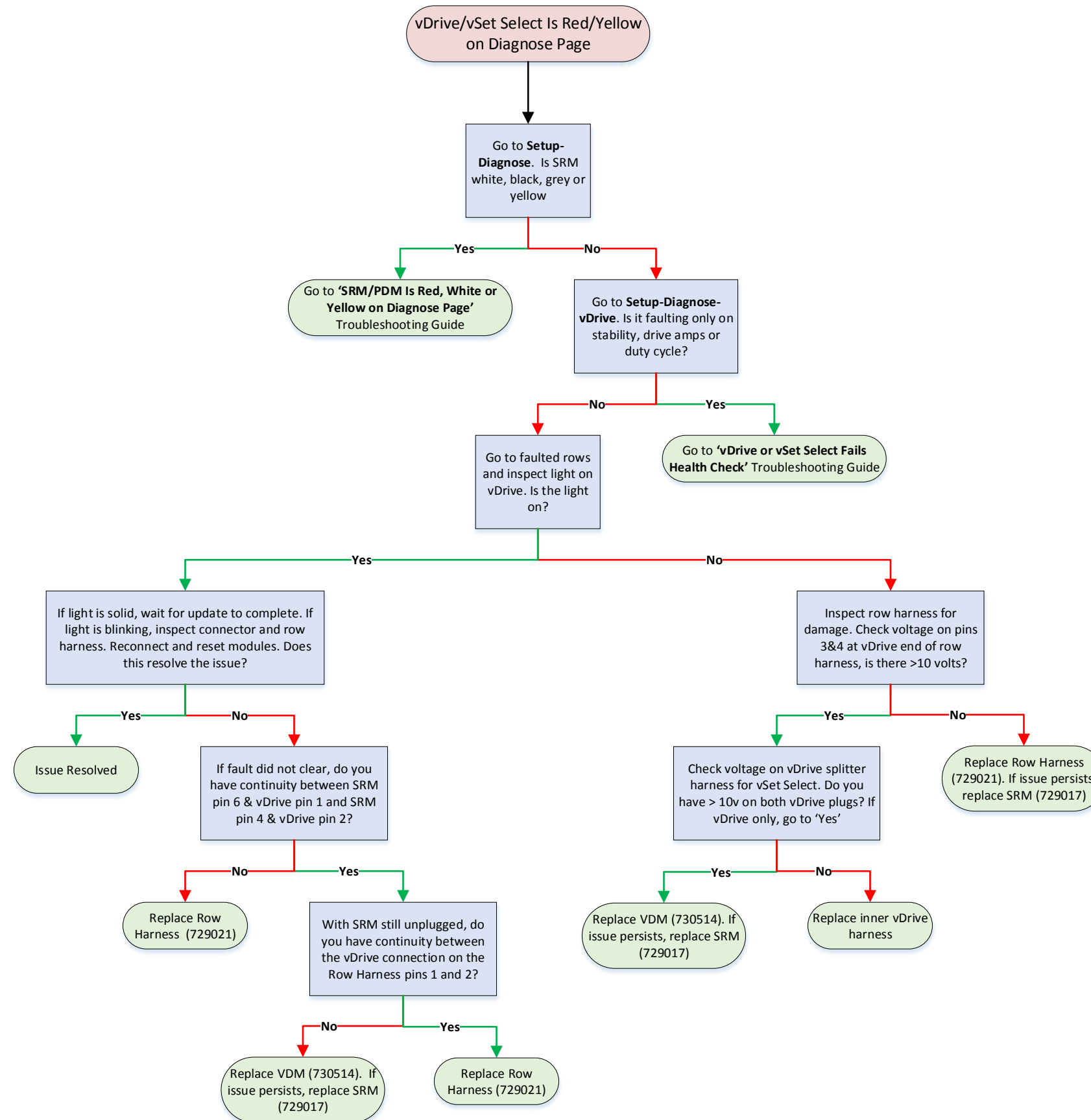


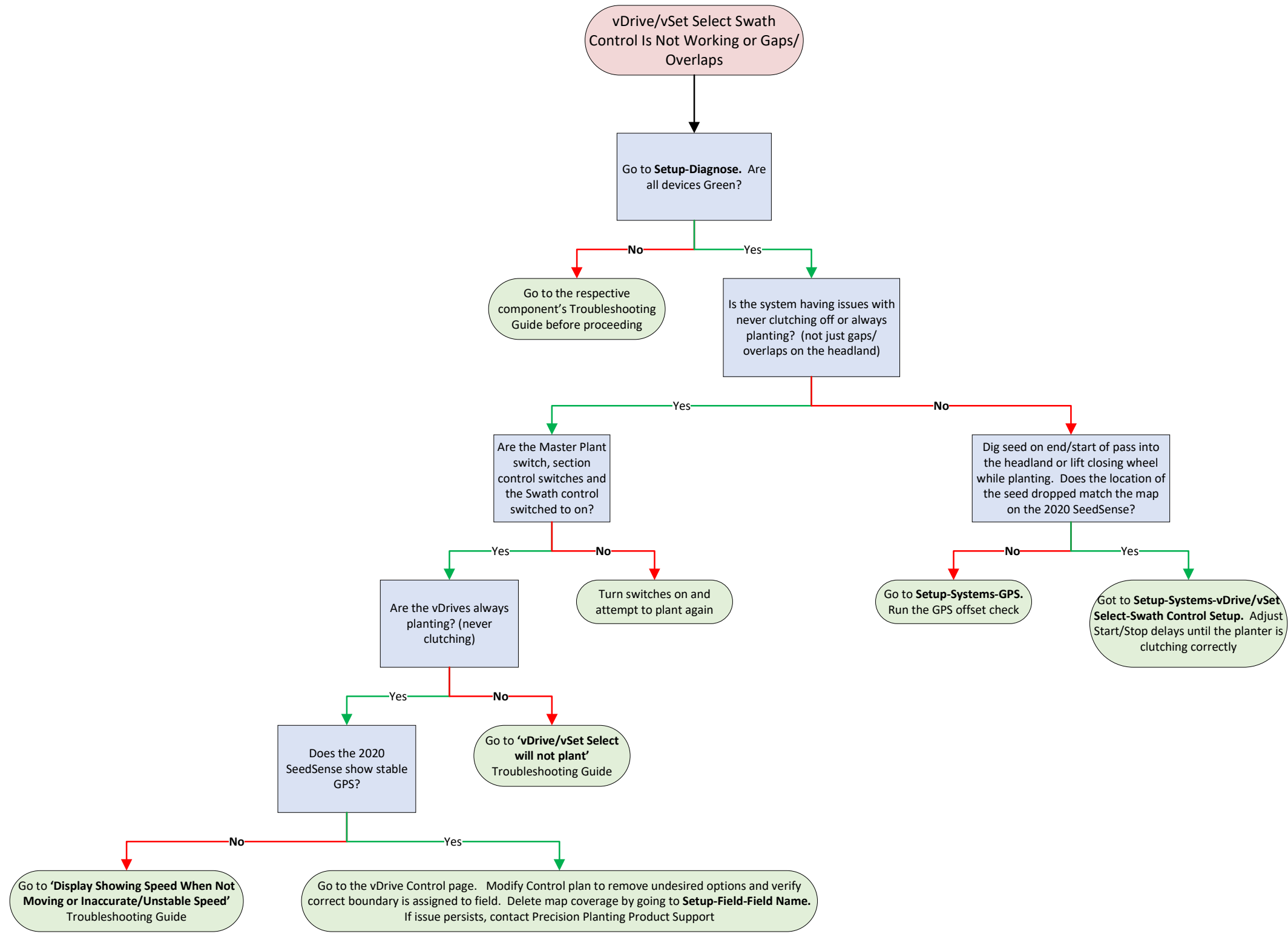






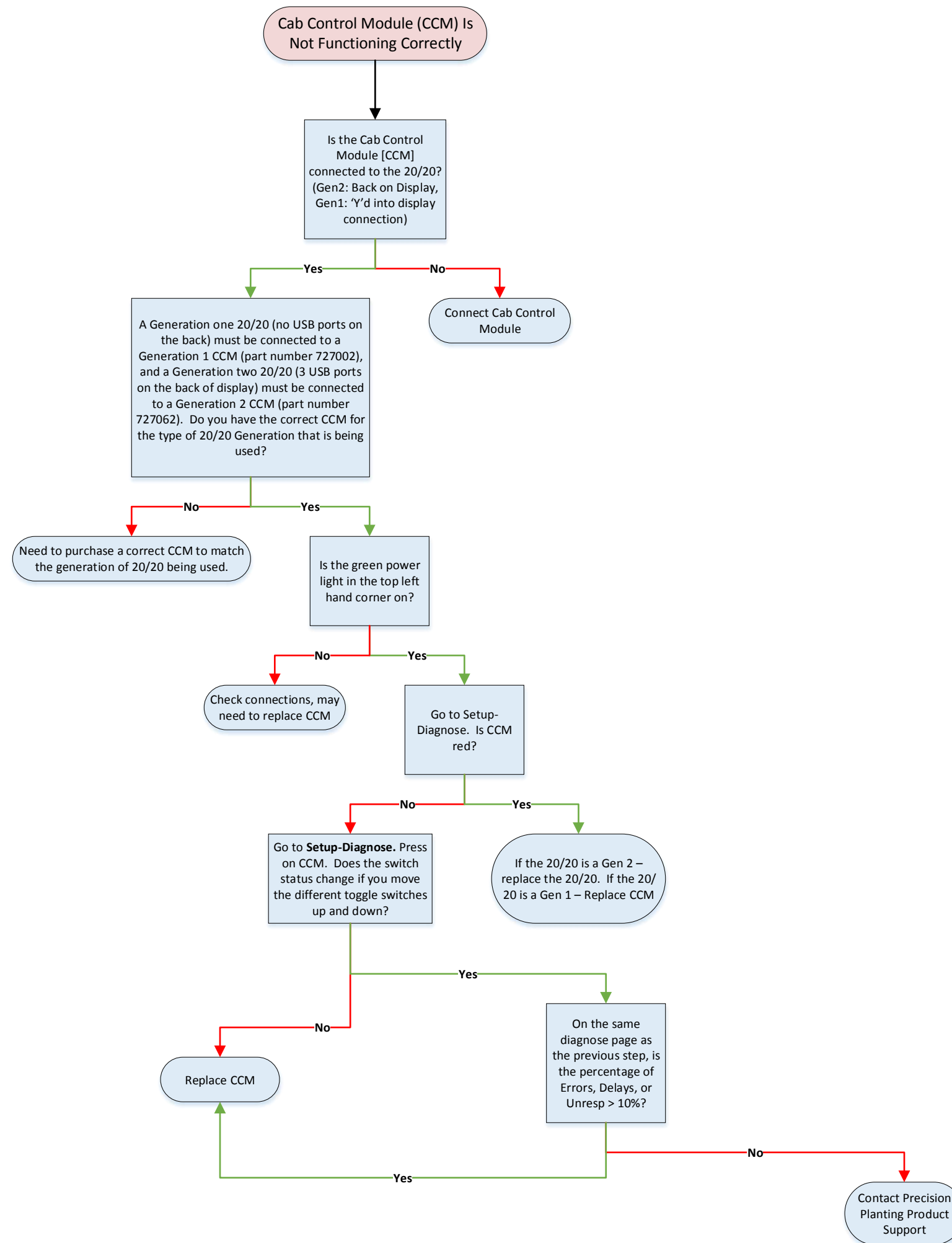


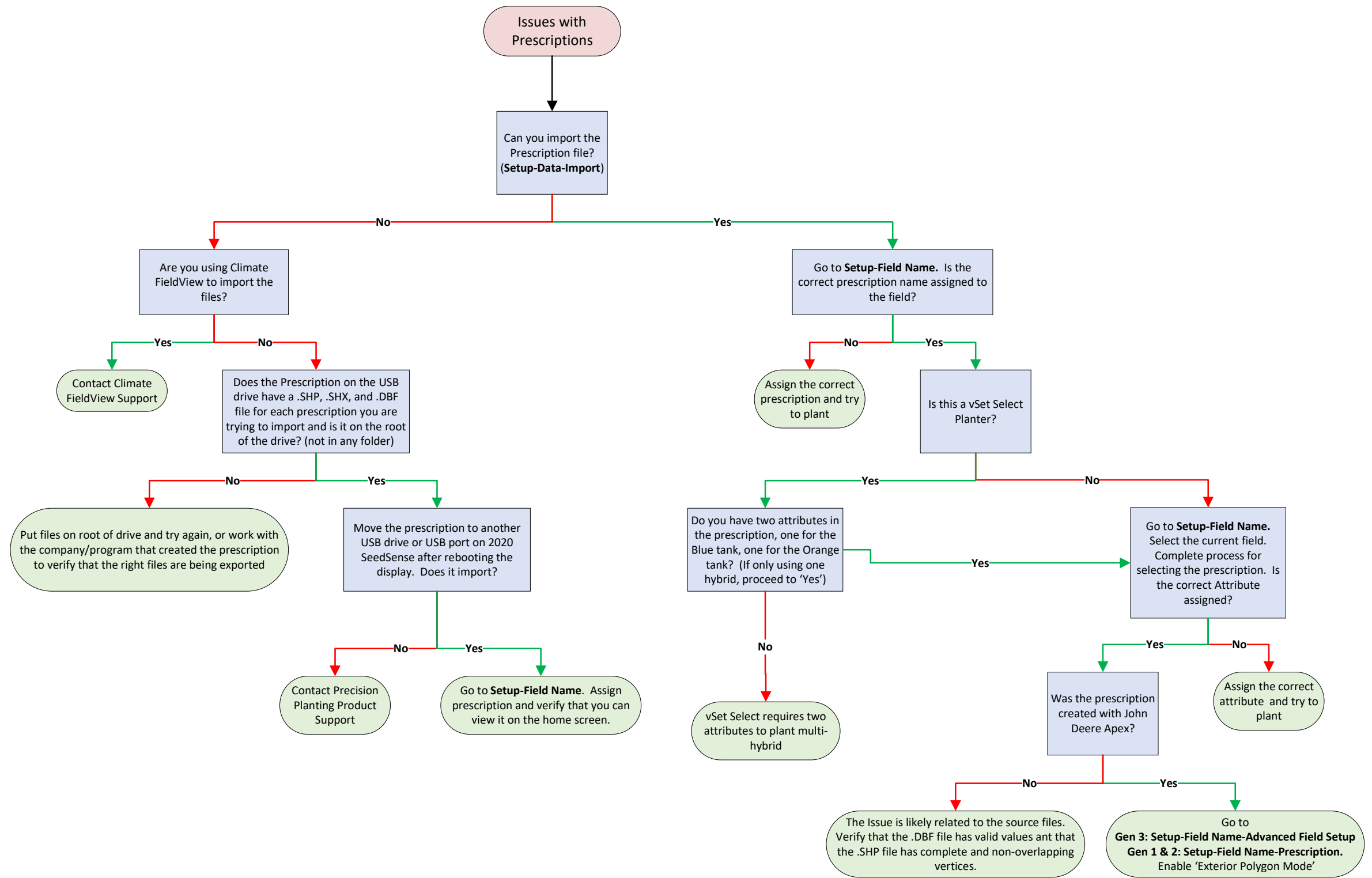


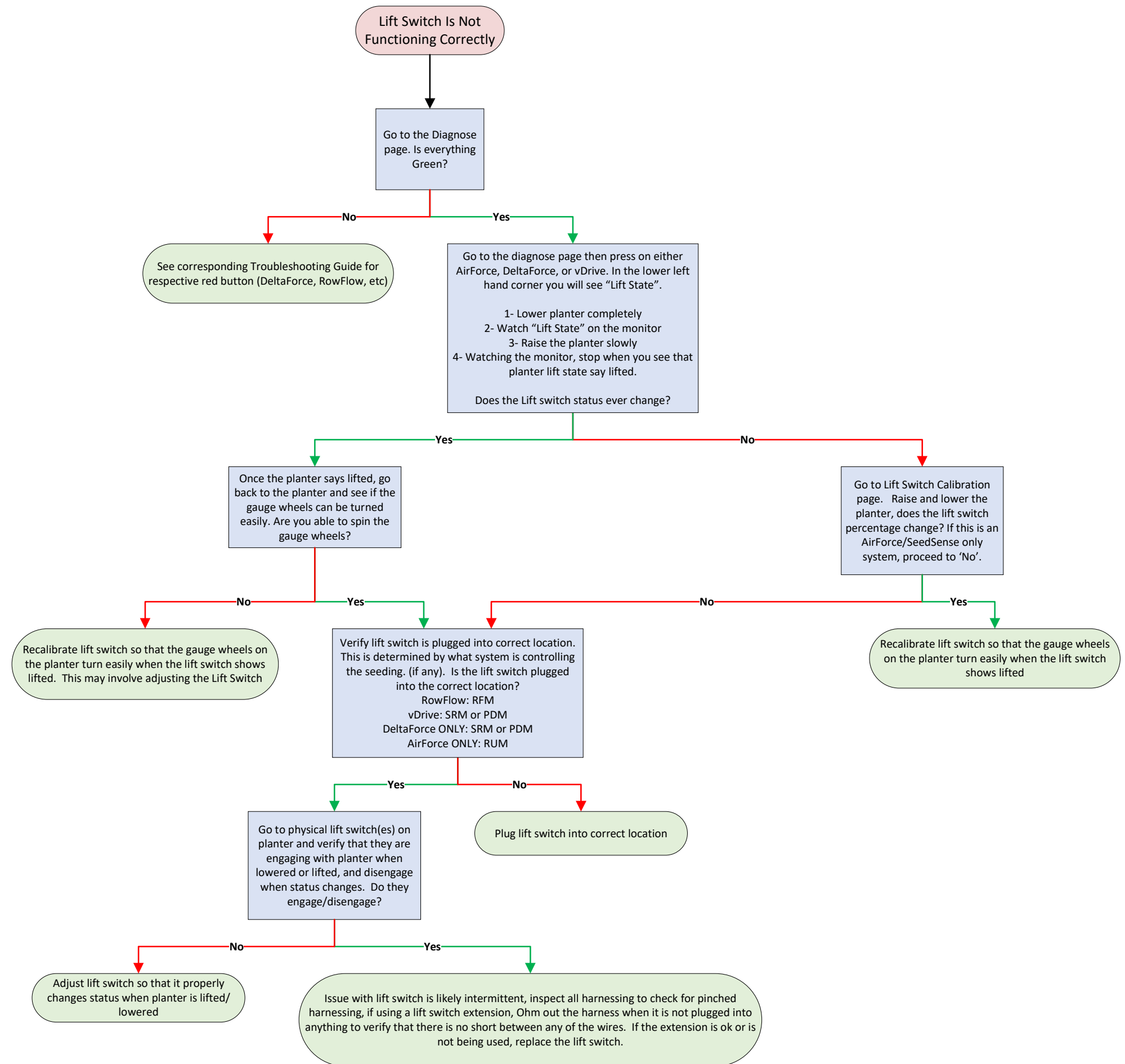


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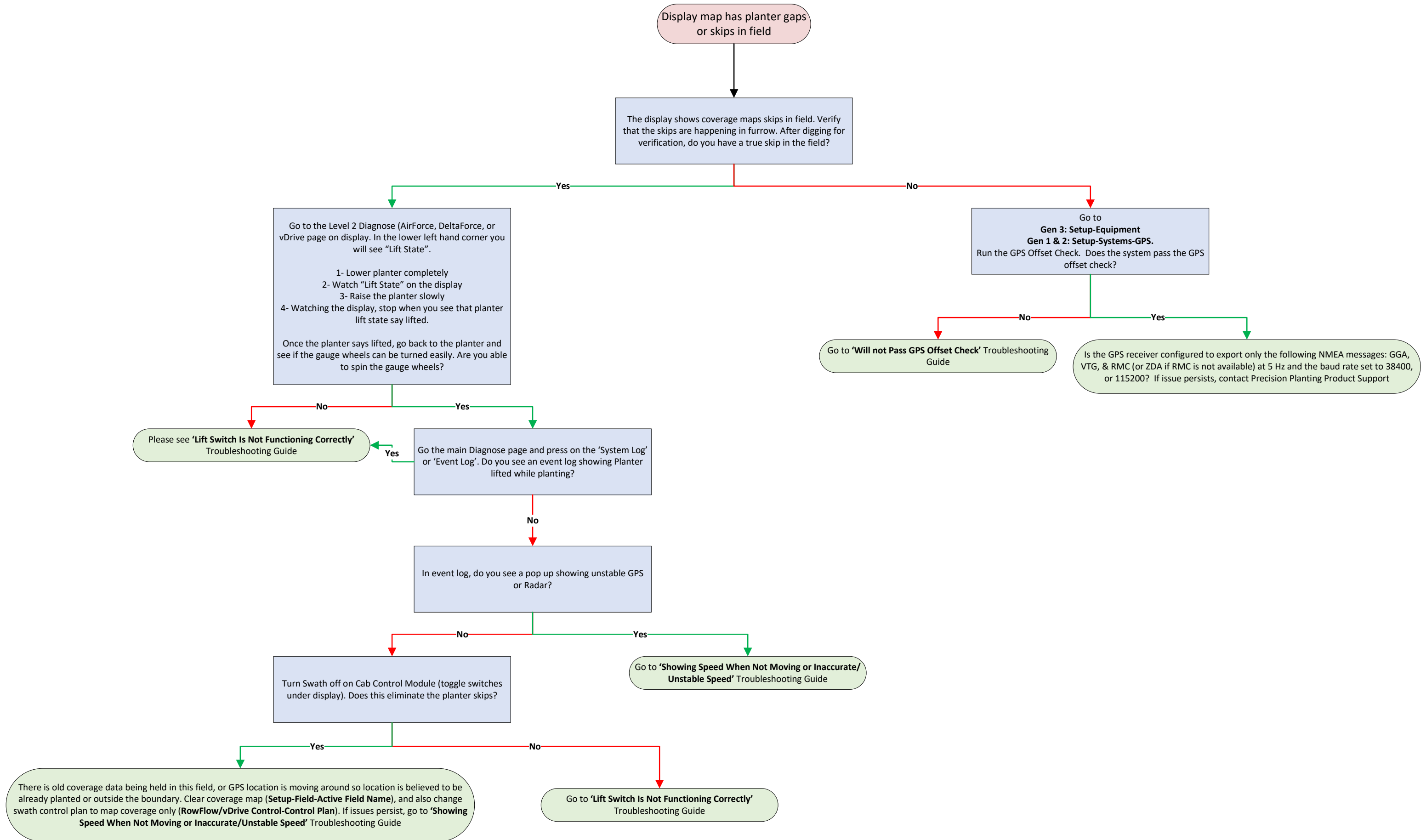
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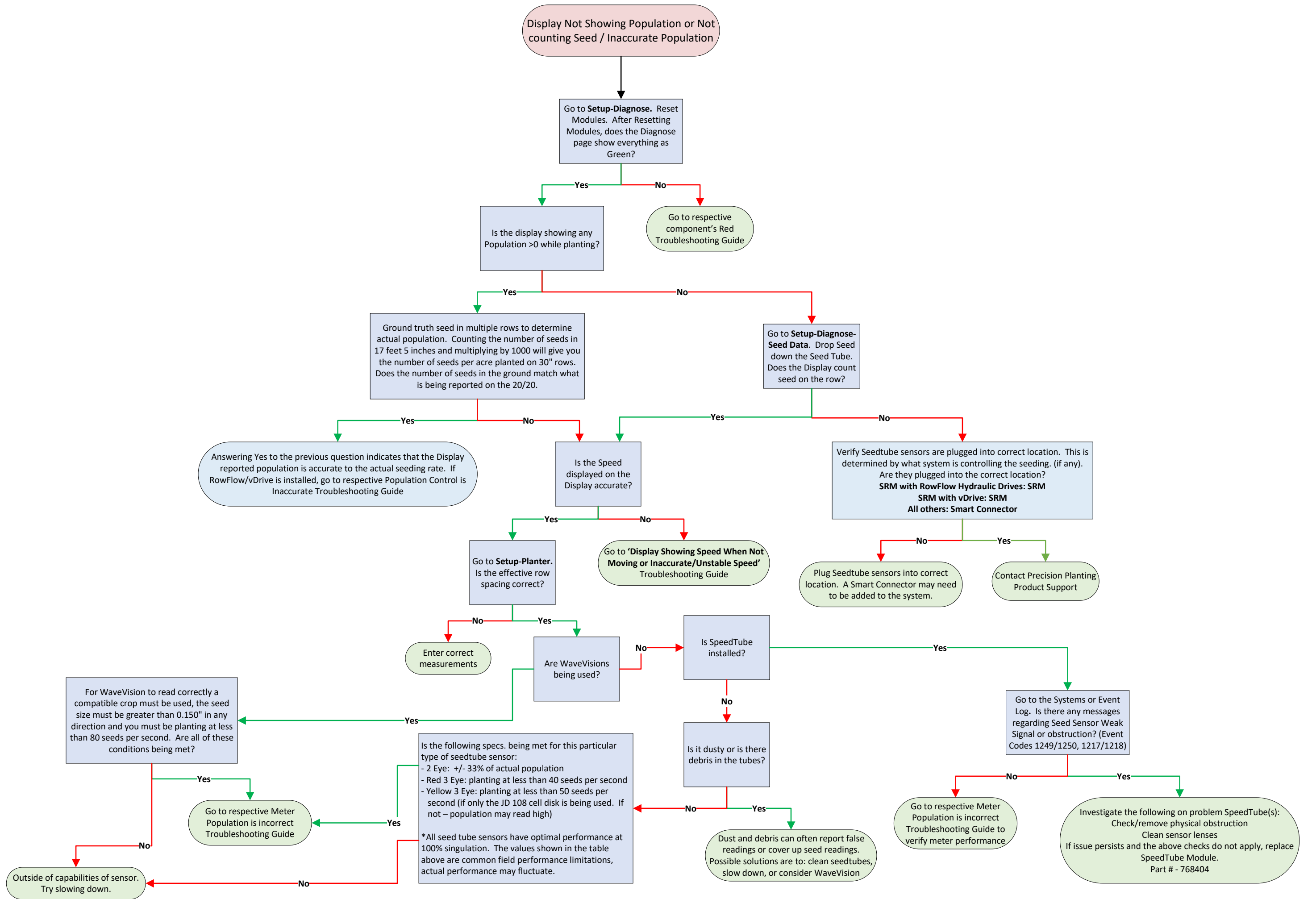


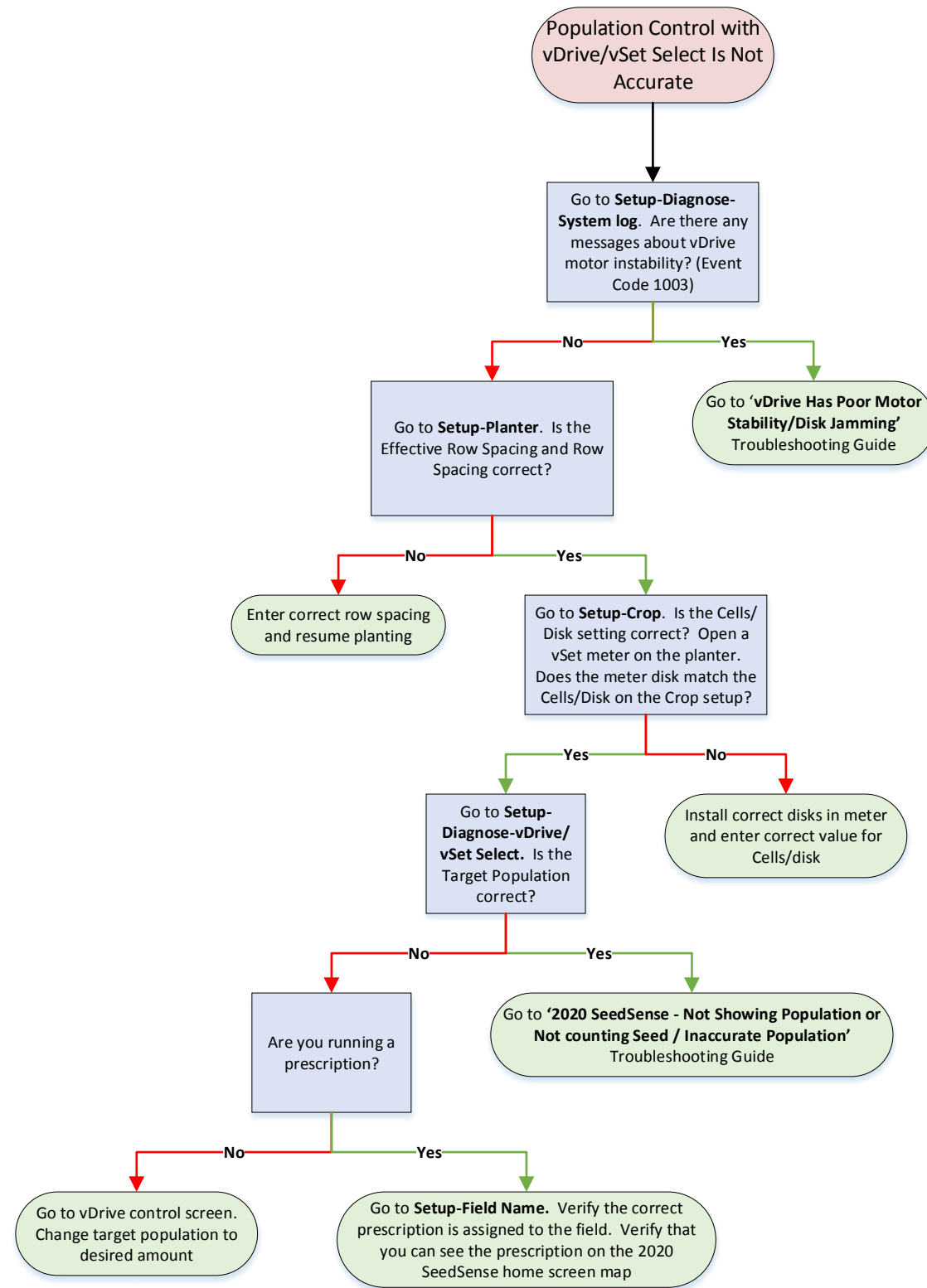


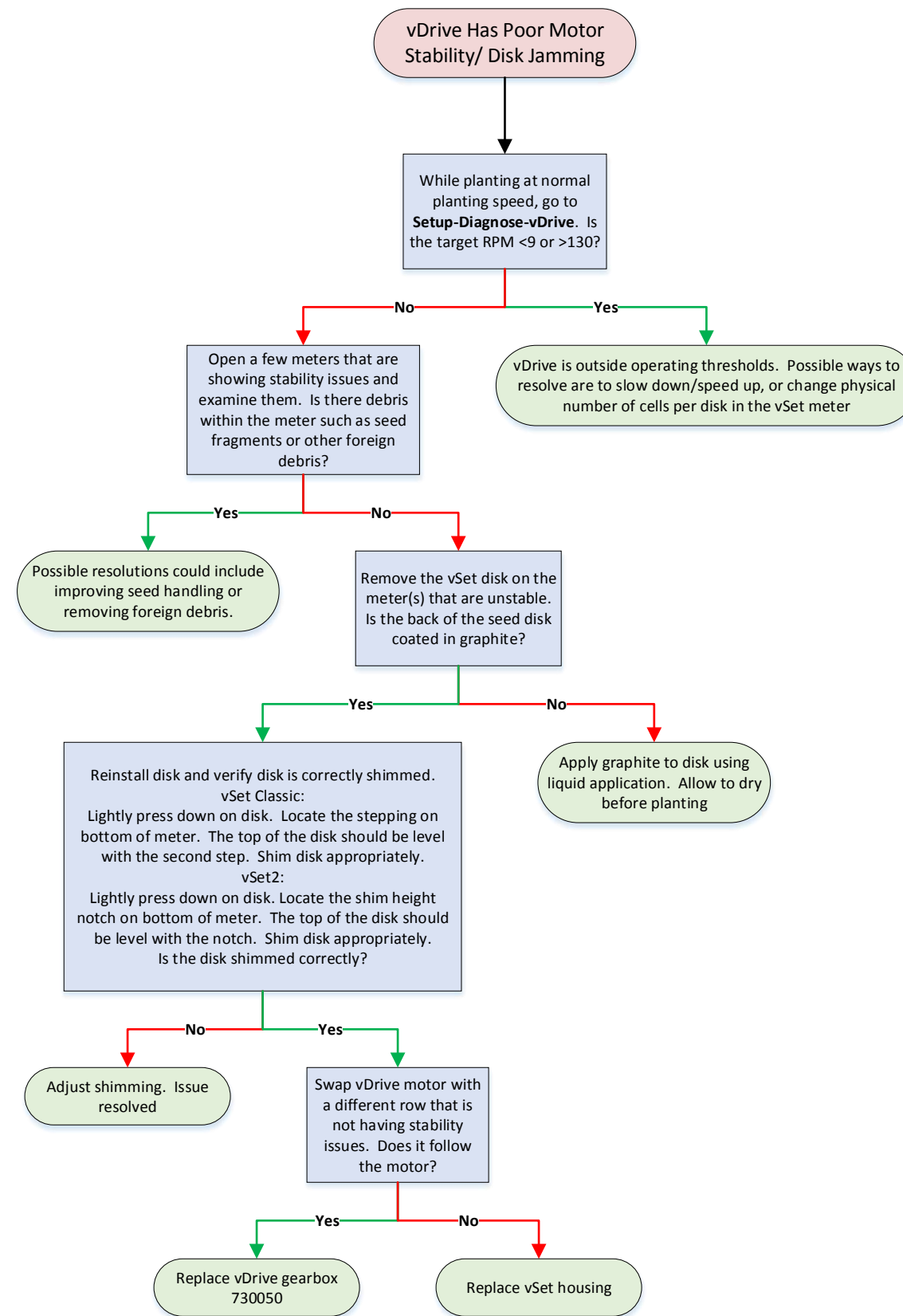


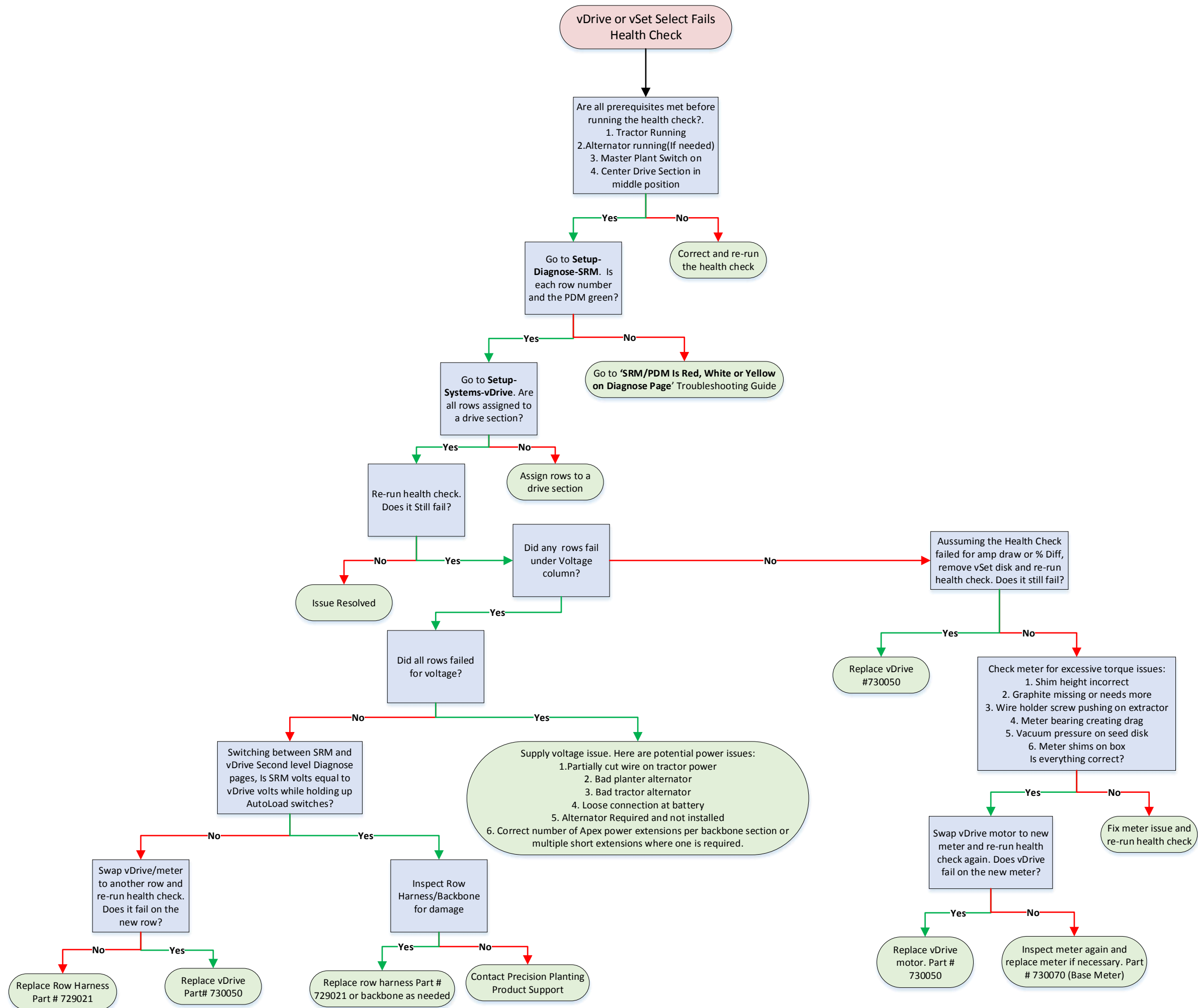
Go To vSet Select Troubleshooting Guides

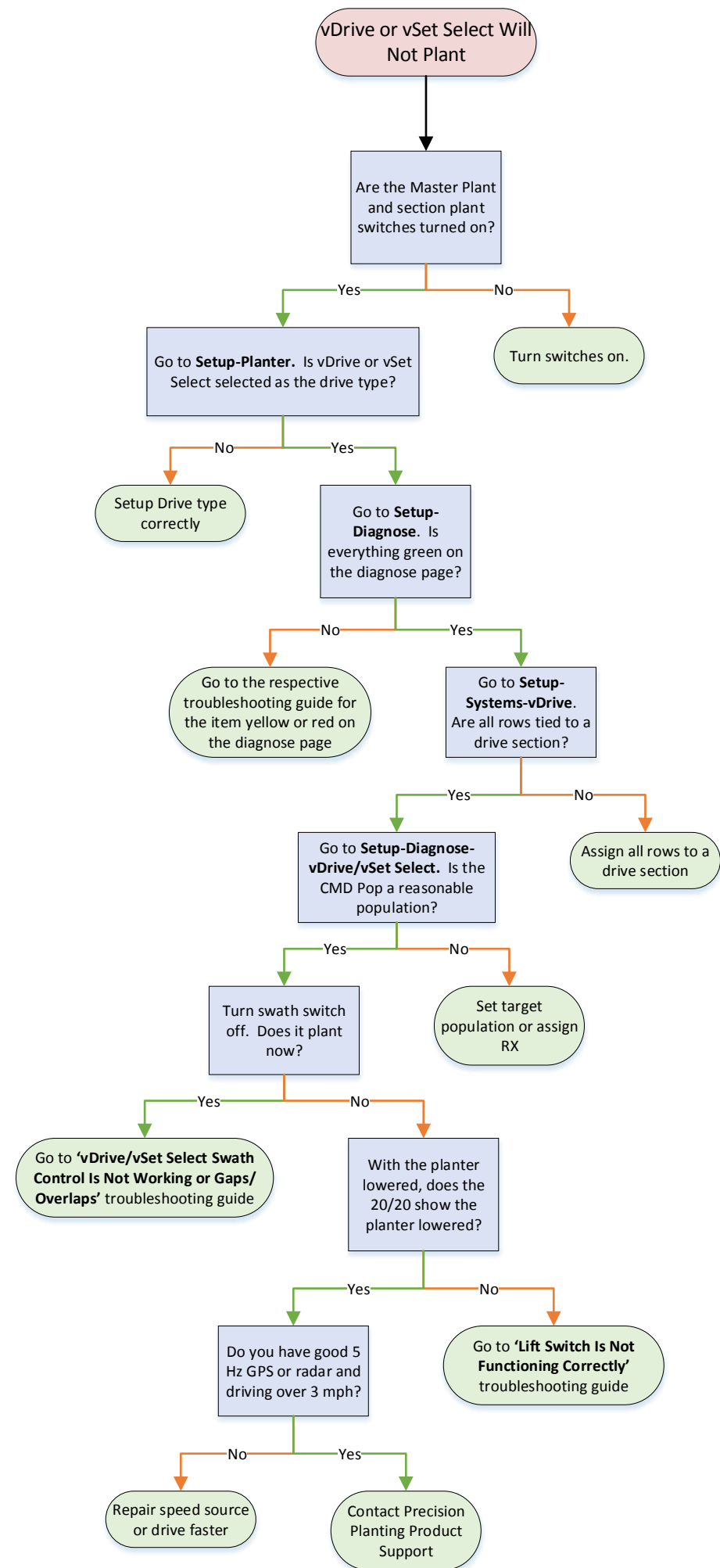


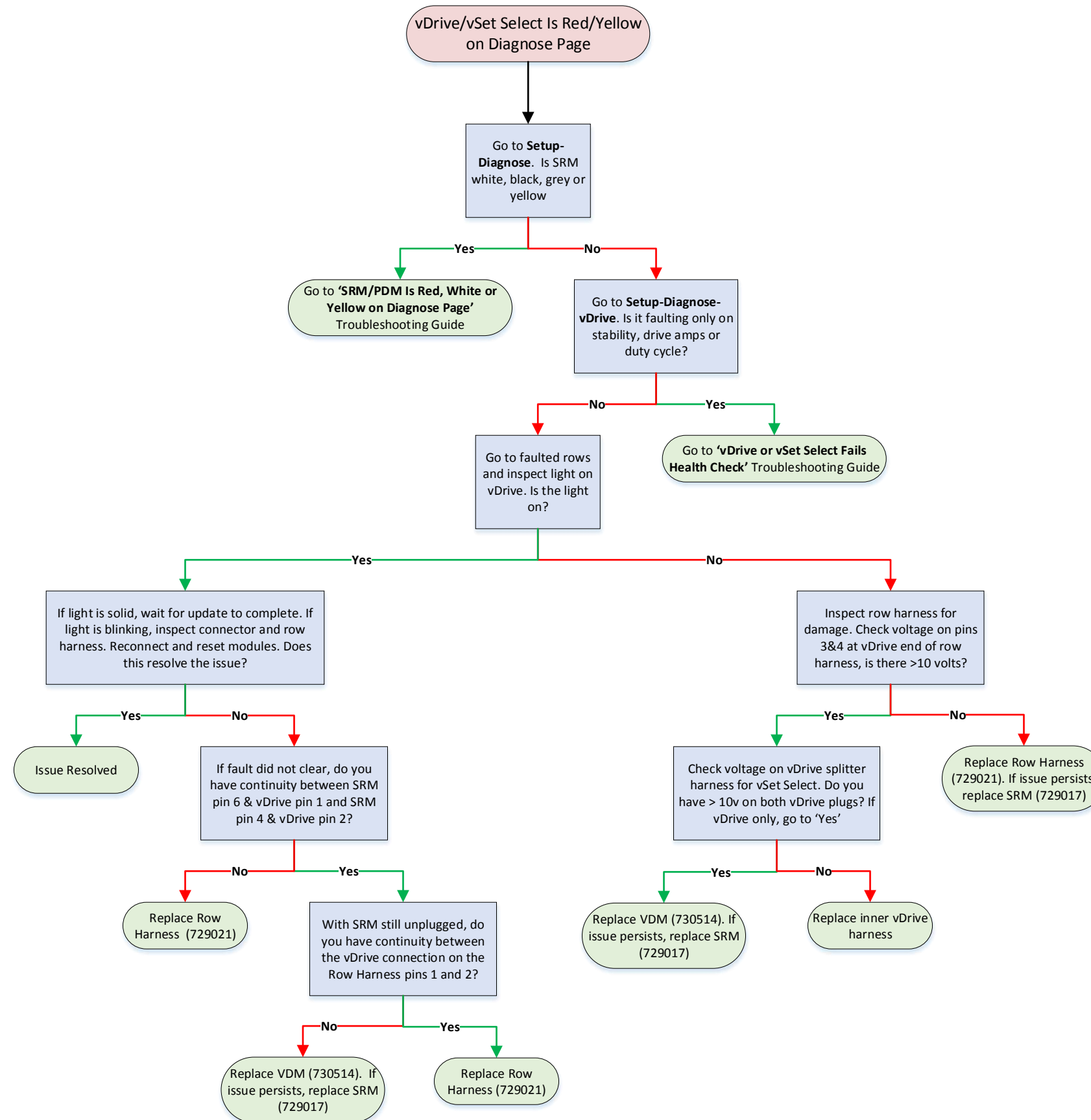


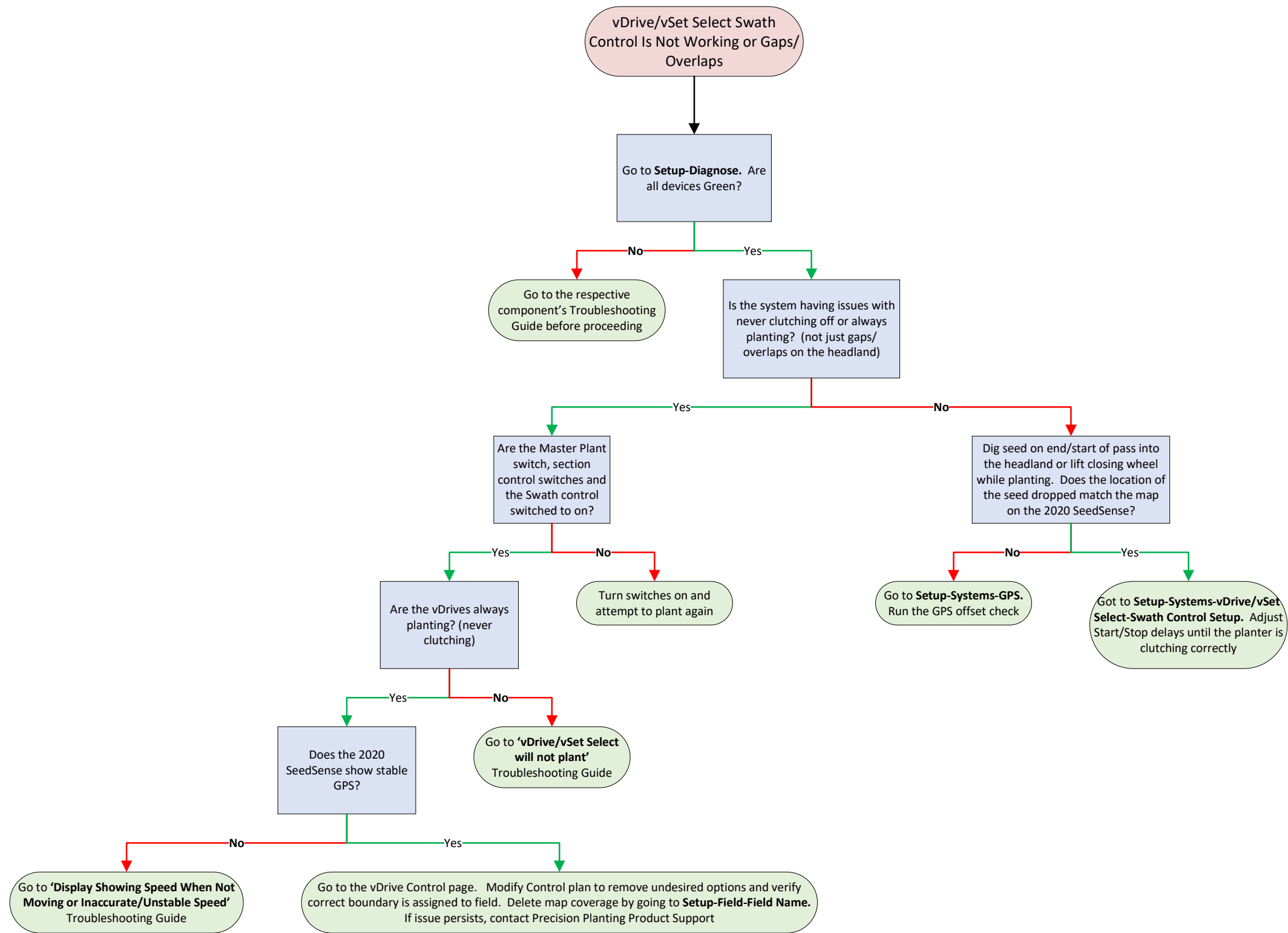


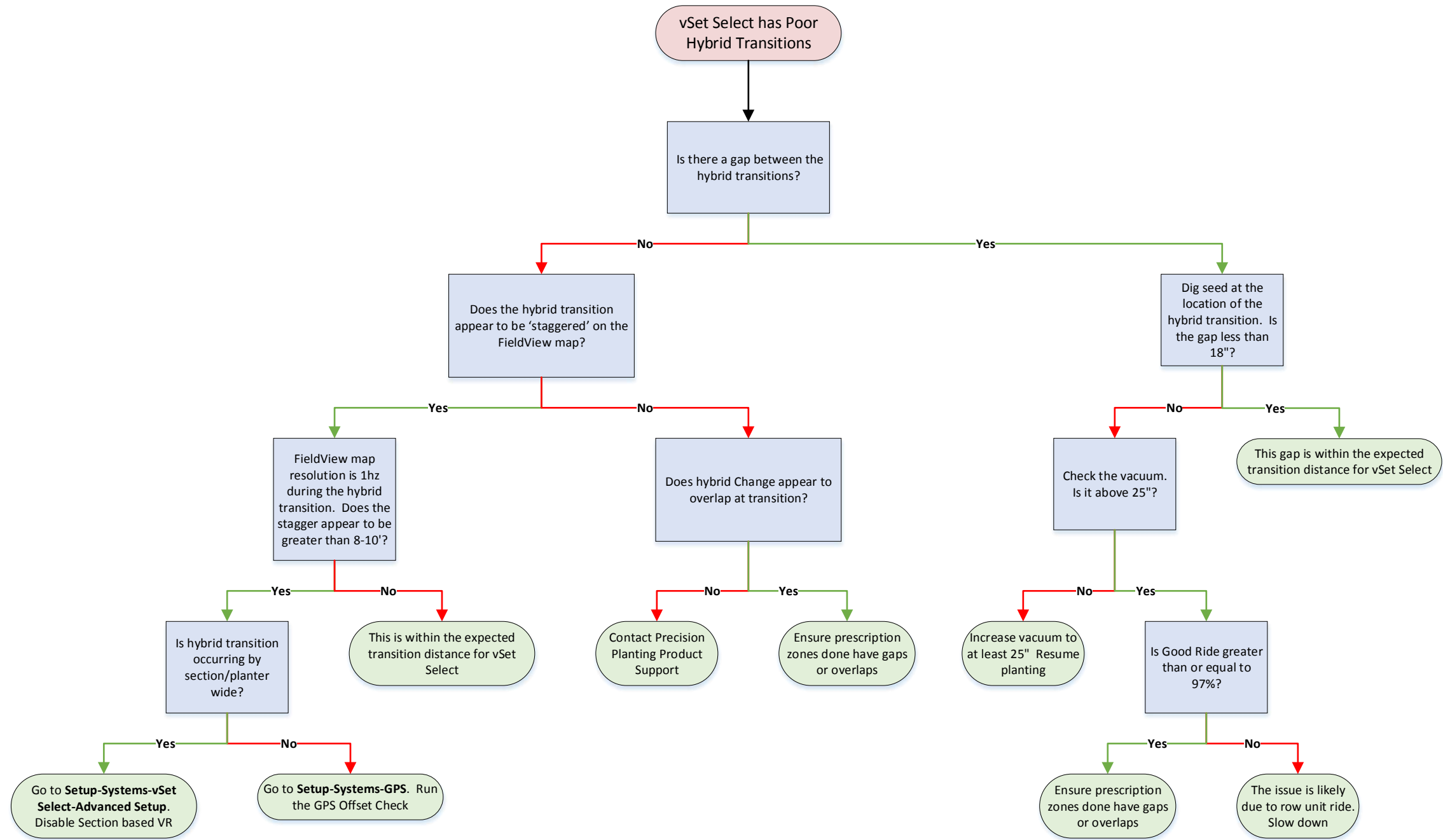


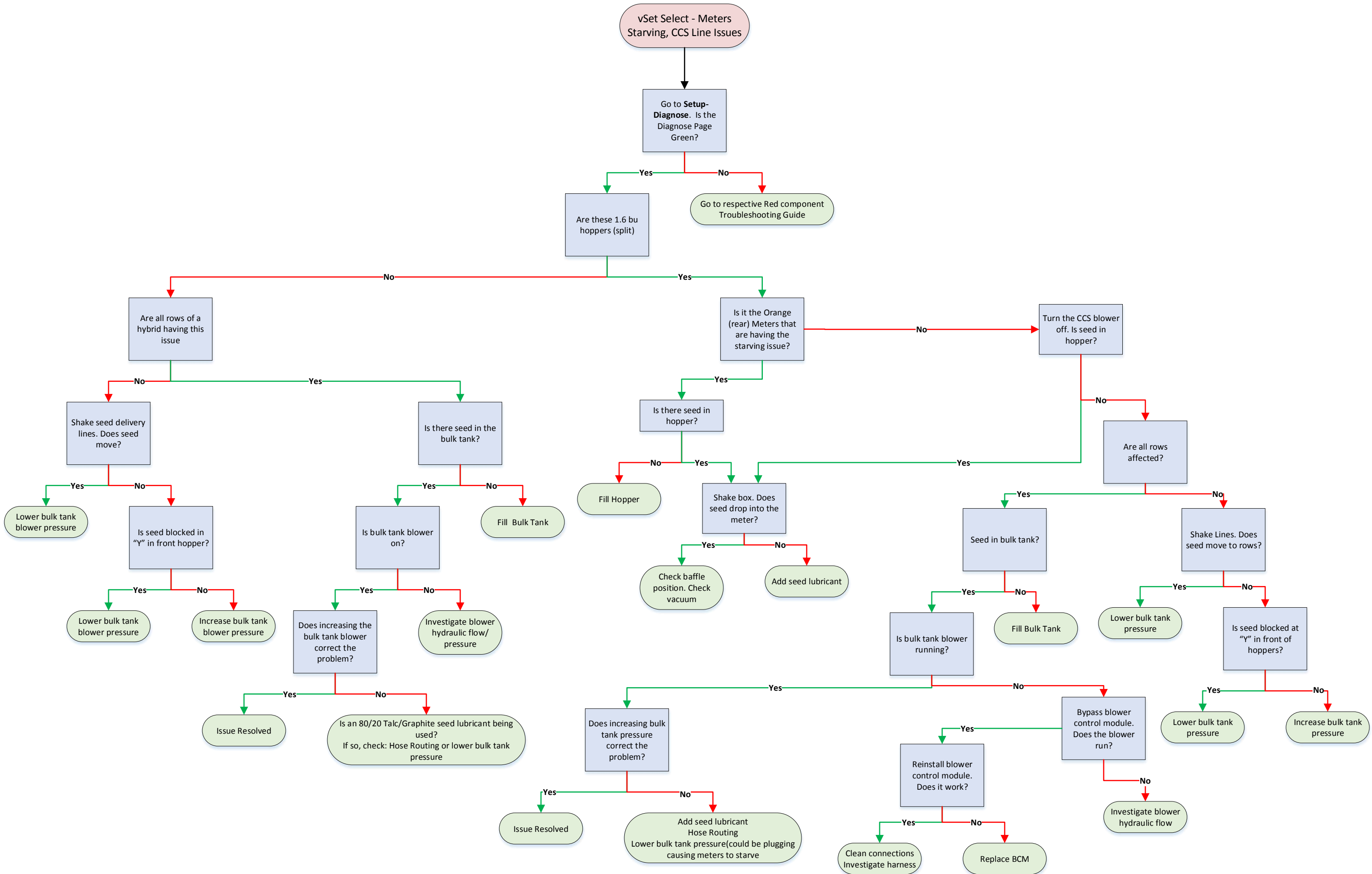






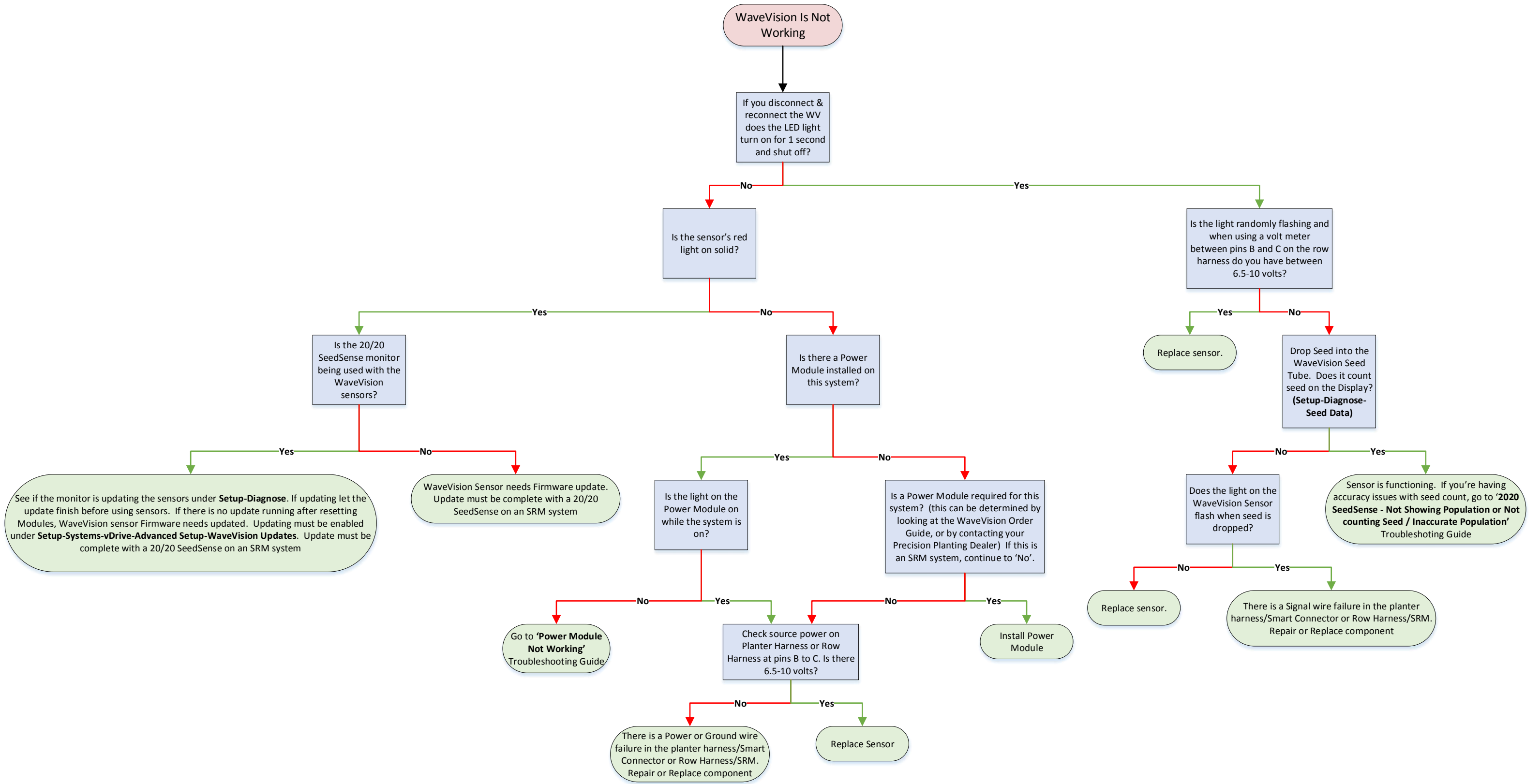


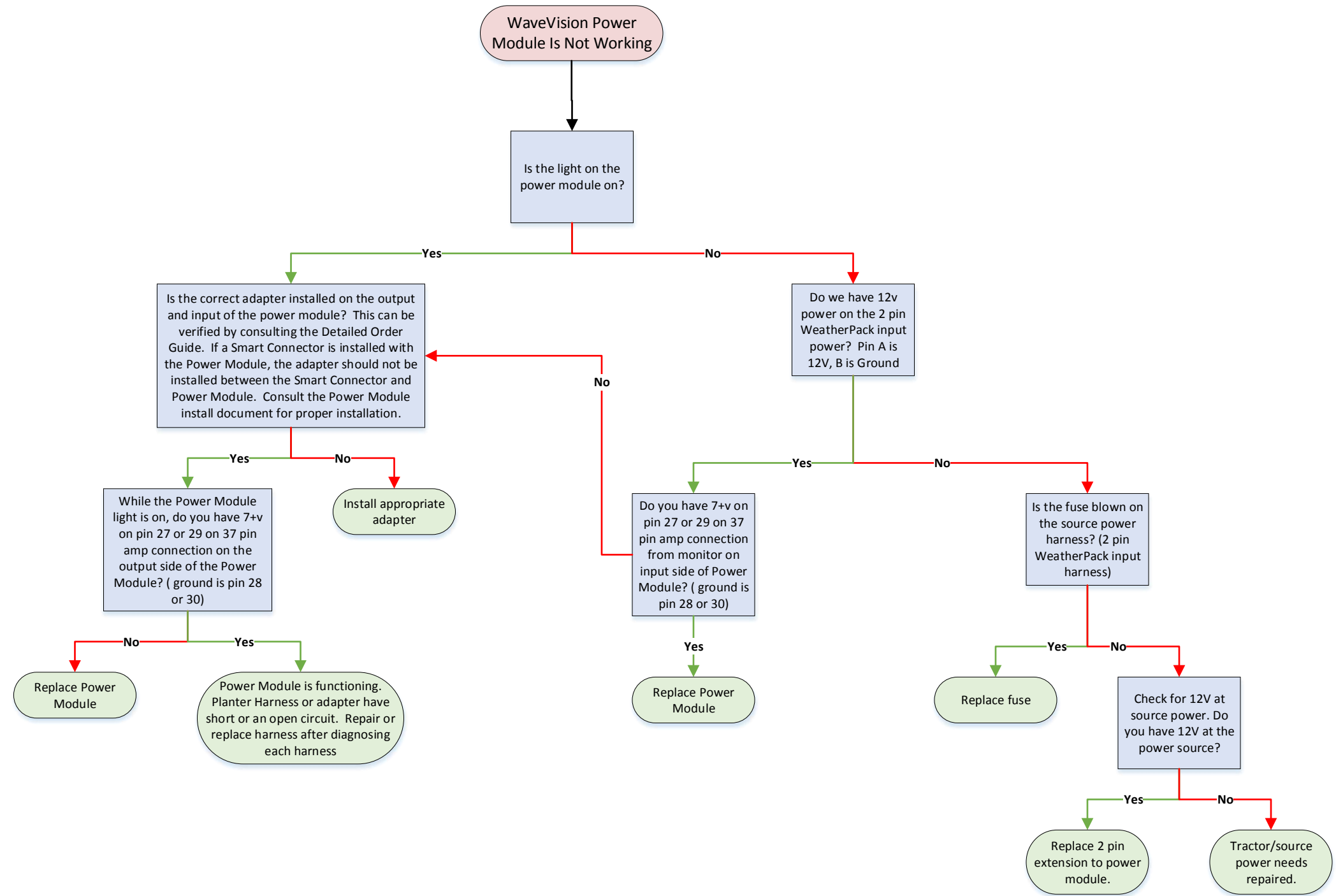




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700XXX

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◆ 700242 3 Prong to 2 Pin Y Adapter	157
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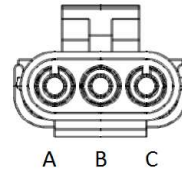
Go To 700XXX

Part #

700200

Part

WaveVision Sensor



VIEW A

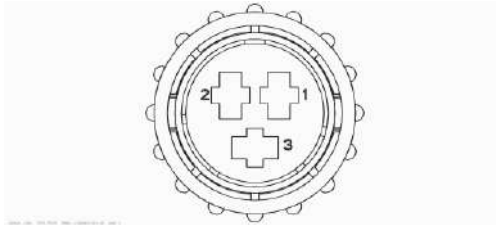
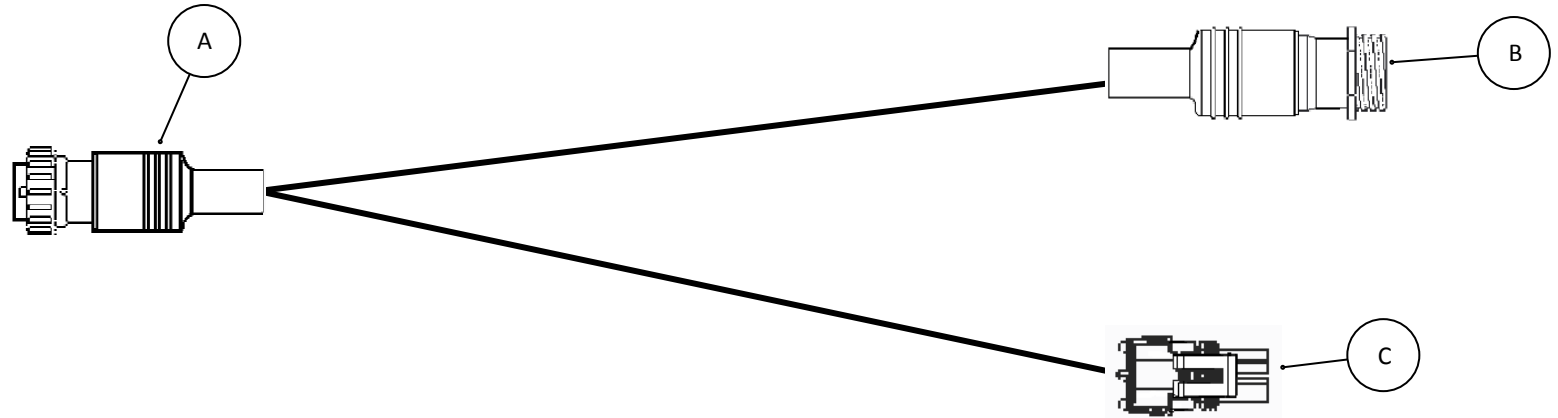
A - Planter Harrow			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	From
A	Signal	Green	A
B	Ground	Black	B
C	Power	Red	C

Part #

700242

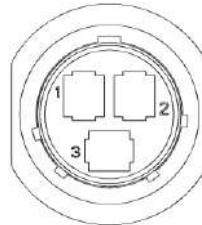
Part

3 Prong to 2 Pin Y Adapter



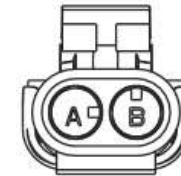
VIEW A

B -Power Connector			
Amp 3 Pin Plug			
206037-2			
Pin	Function	Color	To
1	Switched Power (12V)	Orange	S1
2	Battery Power (12V)	Red	B2
3	Ground	Black	S2



VIEW B

A - Power Connector			
Amp 3 Pin Receptacle			
206207-1			
Pin	Function	Color	From
1	Switched Power (12V)	Orange	S1
2	Battery Power (12V)	Red	A2
3	Ground	Black	S2



VIEW C

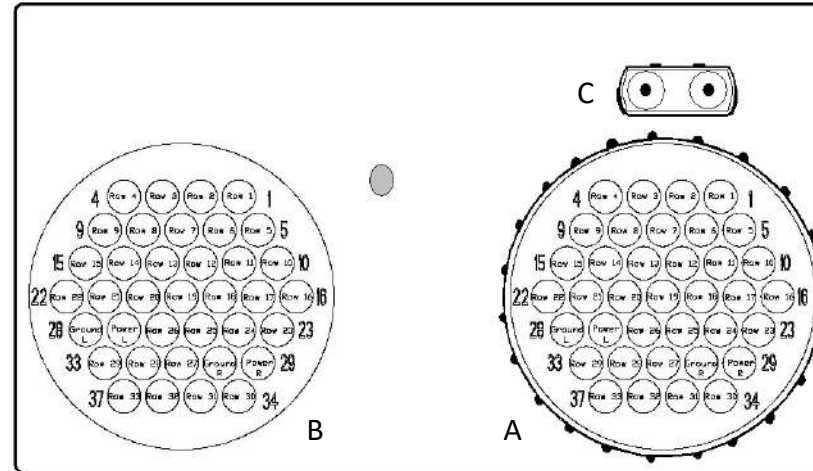
C- Power Connector			
2 Pin Weatherpack			
12015792			
Pin	Function	Color	From
1	Switched Power (12V)	Orange	S1
2	Ground	Black	S2

Part #

700266

Part

WaveVision Power Module



VIEW A & B

VIEW C

A- Seed Input B-Seed Output			
37 Pin AMP			
Pin	Function	Color	To
A1-26	Pass Thru		B1-26
A31-37	Pass Thru		B31-37
A27-30	Power and Ground		B27-30

C- Power Input			
Weatherpack 2 Pin			
12010973			
Pin	Function	Color	From
A	Power		
B	Ground		

724XXX

Contents

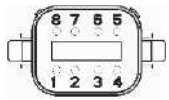
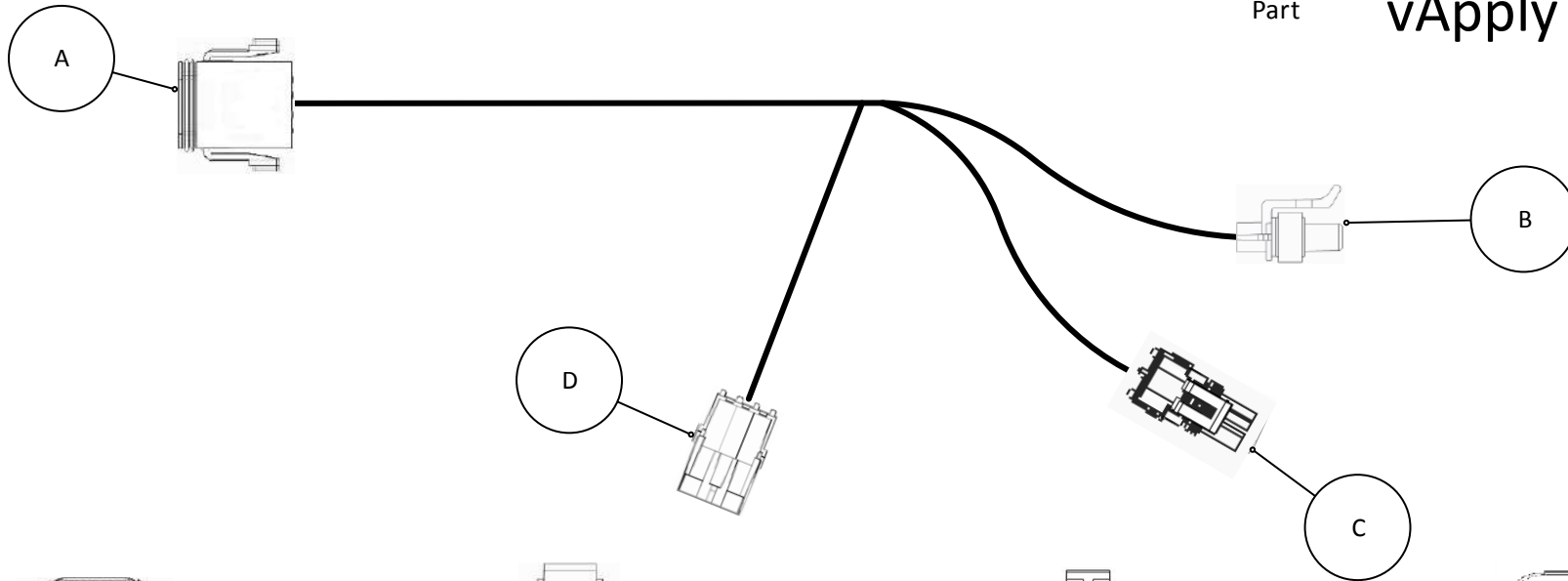
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-------------------------------	-----

Part #

724287

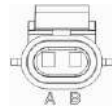
Part

vApply Harness



VIEW A

A - vApply			
Molex 93445-5X12			
Pin	Function	Color	To
1	Sensor Power	Red	D(A)
2	Valve +	Red	B(A), C(A)
3	Motor Speed Sensor	White	D(C)
4	Sensor Ground	Black	D(B)
5	-	-	-
6	-	-	-
7	Valve -	Black	B(B), C(B)
8	-	-	-



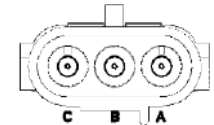
VIEW B

B - Valve Motor			
Metripack 12052641			
Pin	Function	Color	To
A	Valve +	Red	A2
B	Valve -	Black	A7



VIEW C

C - Valve Motor			
Weatherpack 12015792			
Pin	Function	Color	To
A	Valve +	Red	A2
B	Valve -	Black	A7



VIEW D

D - Motor Speed			
Weatherpack 12010717			
Pin	Function	Color	To
1	Sensor Power (10V)	Red	A1
2	Sensor Ground	Black	A4
3	Motor Speed Sensor	Red	A3

725XXX

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Go To Pin-Outs

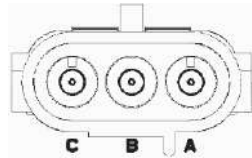
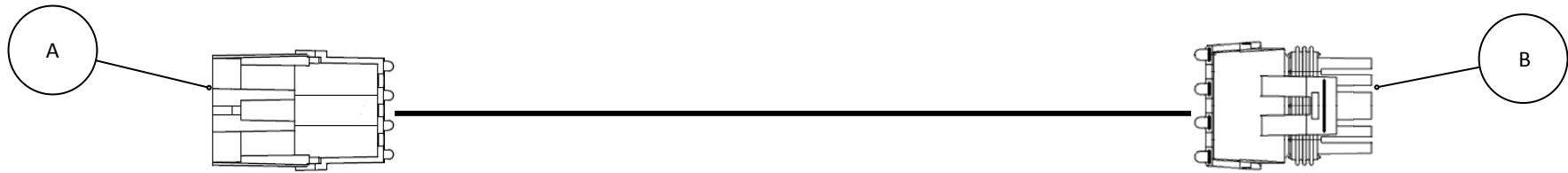
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Part #

725061

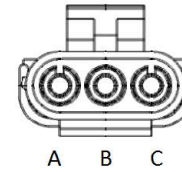
Part

3 Pin Weatherpack Seed Tube ext.



VIEW A

A - Planter Hanress			
3 Pin Weatherpack			
12010717			
Pin	Function	Color	To
A	Signal	Green	BA
B	Ground	Black	BB
C	Power	Red	BC



VIEW B

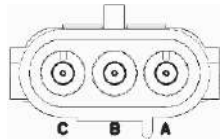
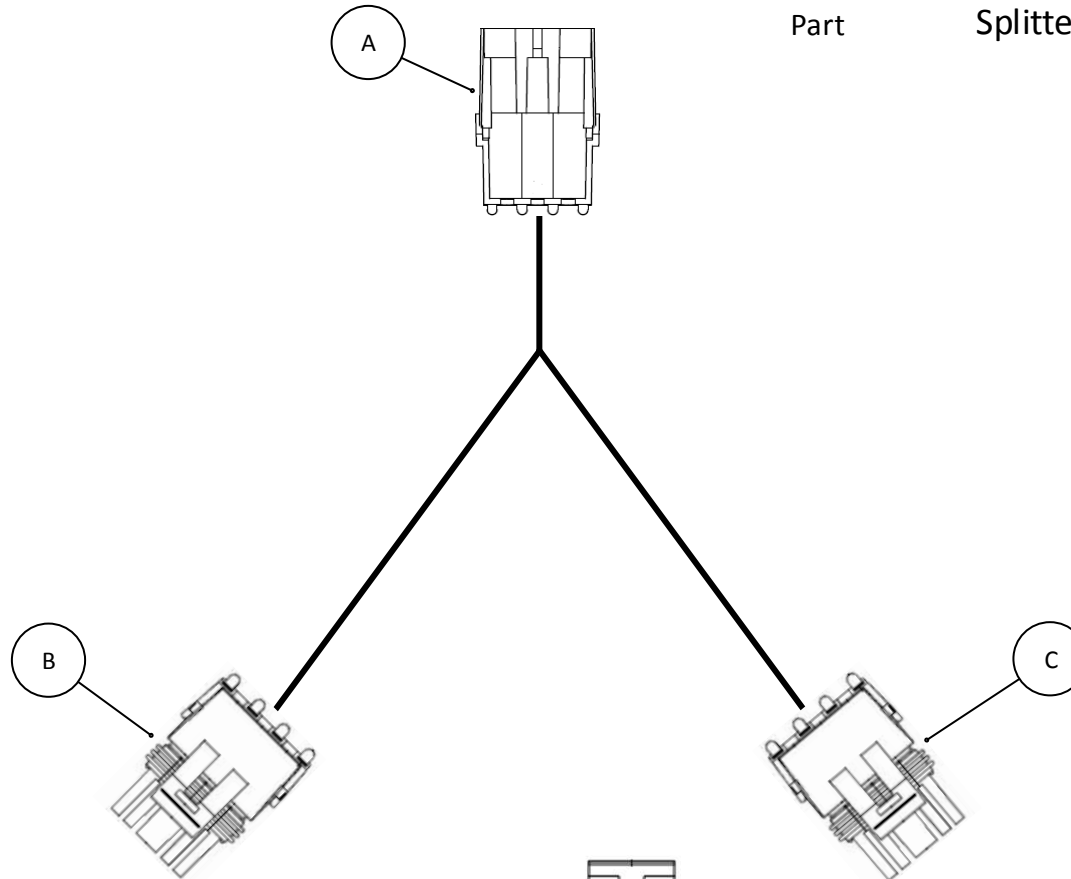
B -Seed Tube			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	From
A	Signal	Green	AA
B	Ground	Black	AB
C	Power	Red	AC

Part #

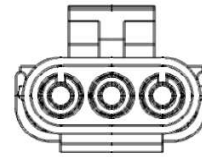
725062

Part

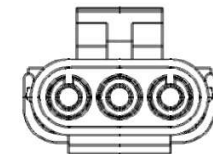
Splitter Cable for Seed Tube Sensor



VIEW A



VIEW B



VIEW B

A- Seed Sensor to Planter Harness			
3 Pin Weatherpack Female			
12010717			
Pin	Function	Color	To
AA	Signal	GRN/WHT	BA,CA
AB	Ground	Black	BB, CB
AC	Power	Red	BC

B- To Seed Sensor			
3 Pin Weatherpack Male			
12015793			
Pin	Function	Color	From
BA	Signal	GRN/WHT	AA
BB	Ground	Black	AB
BC	Power	Red	AC

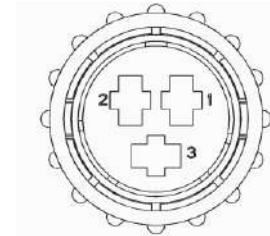
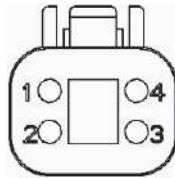
C- To Seed Sensor			
3 Pin Weatherpack Male			
12015793			
Pin	Function	Color	From
CA	Switched Power	Orange	AA
CB	Battery Power	Red	AB

Part #

725150

Part

DBM Tractor Power



A - DBM Power			
4 Pin MOLEX Plug			
DT06-4			
Pin	Function	Color	To
1	Not Used		
2	12V Battery		B2
3	Ground (Fused)		B3
4	12V Switched (Fused)		B1

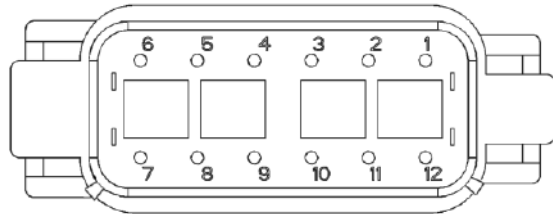
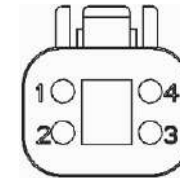
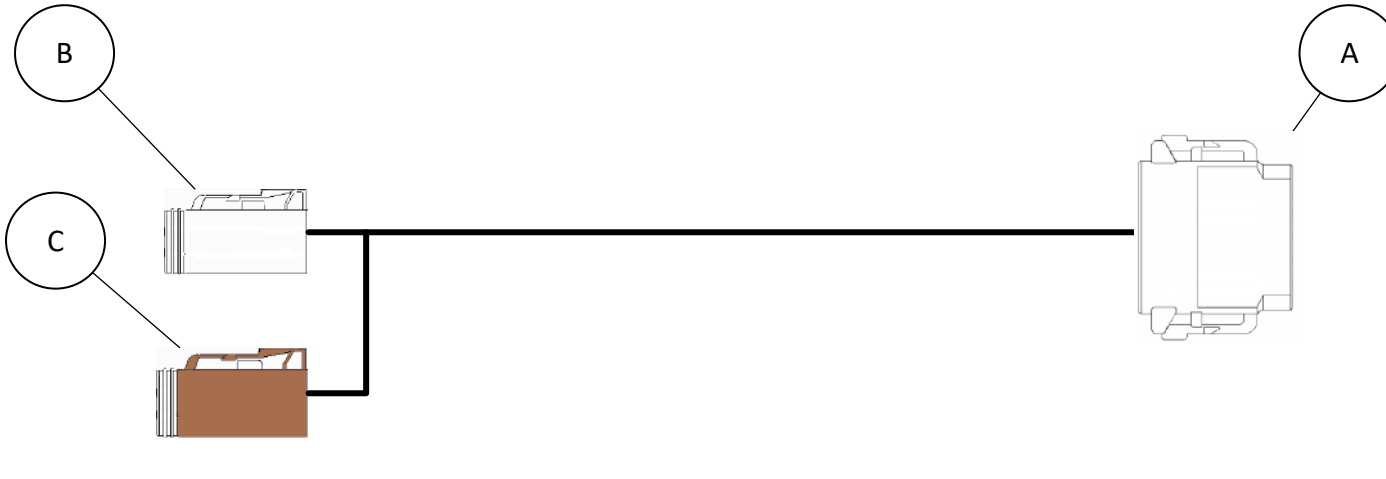
B - Tractor Power			
3 Pin Tractor Plug			
AMP 206037-2			
Pin	Function	Color	To
1	12V Switched		A4
2	12V Battery		A2
3	Ground		A3

Part #

725154

Part

**DBM Implement Dual
CAN (A,B)**



A - DBM Implement CAN

12 Pin Custom Plug

Pin	Function	Color	To
1	Implement Power	Red	B4
2	PP CAN A Low	Green	B2
3	PP CAN B Low	Green	C2
6	CAN Shield		B3, C3
7	Ground	Black	C4
10	PP CAN B Hi	Yellow	C1
11	PP CAN A Hi	Yellow	B1

B - 4 Pin CAN A

4 Pin MOLEX

DT06-4S Black

Pin	Function	Color	To
1	SRM CAN HI	Yellow	A11
2	SRM CAN Low	Green	A2
3	CAN Shield		A6
4	Implement Power	Red	A1

C - 4 Pin CAN B

4 Pin MOLEX

DT06-4S Brown

Pin	Function	Color	To
1	SRM CAN HI	Yellow	A10
2	SRM CAN Low	Green	A3
3	CAN Shield		A6
4	Ground	Black	A7

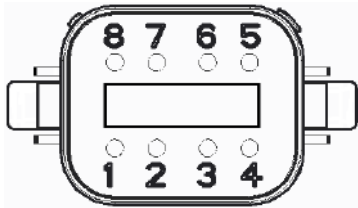
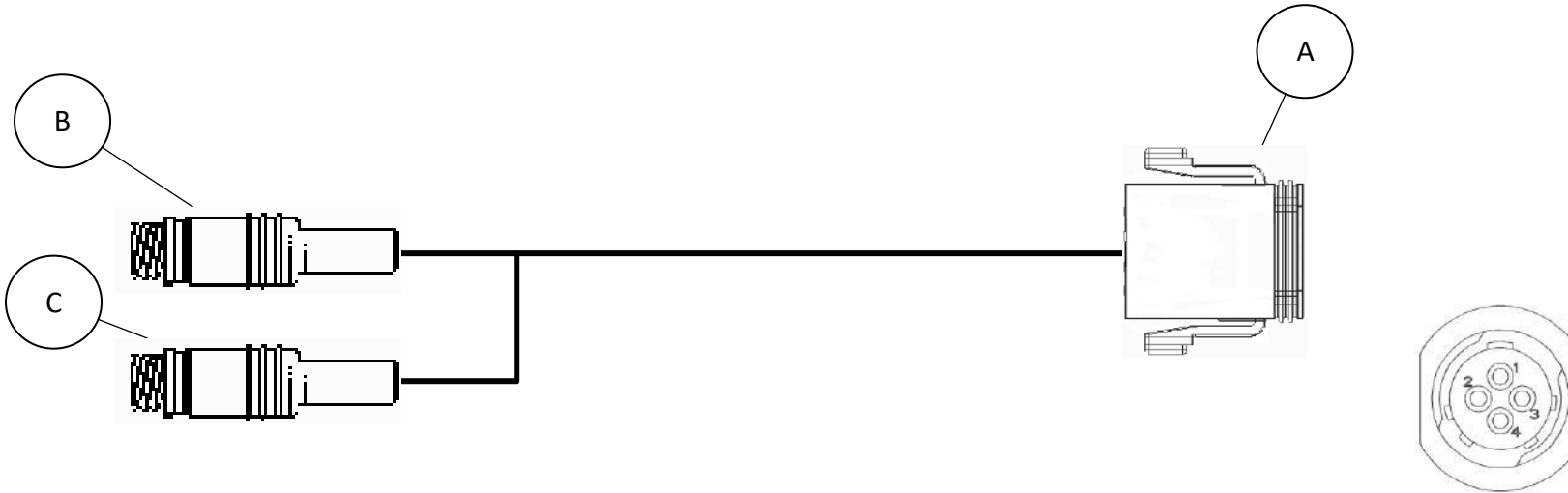
Go To 725XXX

Part #

725155

Part

DBM Speed Harness



A - DBM GPS/Spped

8 Pin MOLEX

93444-5121

Pin	Function	Color	To
1	TX to GPS	Green	C3
2	RX from GPS	White	C2
3	5V GPS	Red	C4
4	GPS Ground	Black	C1
5	Radar Ground	Black	B1
6	Radar Signal	Green	B2
7	Unused		
8	Radar 12V Power	Red	B3

B - Radar

4 Pin AMP

206430-2

Pin	Function	Color	To
1	Ground	Black	A5
2	Signal	Green	A6
3	12V Power	Red	A8
4			

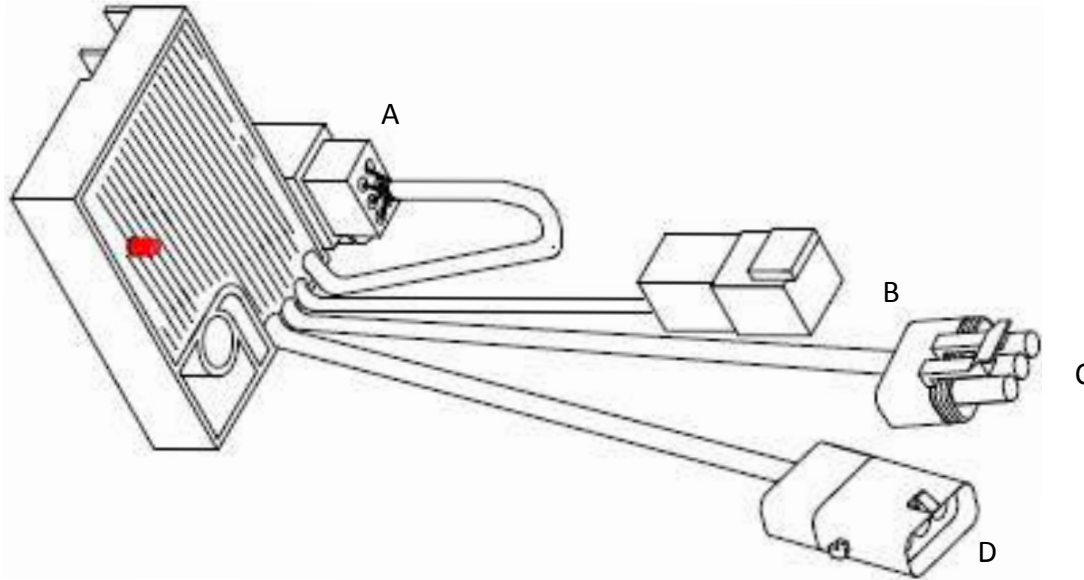
C - GPS

4 Pin AMP

206153-1

Pin	Function	Color	To
1	Ground	Black	A4
2	GPS TX (from GPS)	White	A2
3	GPS RX (into GPS)		A1
4	Ground	Black	A4

Go To 725XXX

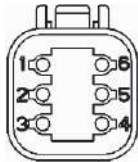


Part #

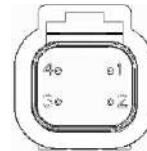
725203

Part

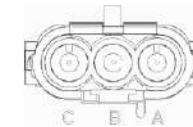
Row Unit Module



VIEW A



VIEW B



VIEW C

A - AUX			
6 Pin Deutsch Plug			
DTM06-6S			
Pin	Function	Color	To
1	(+) 5 Volt Aux	Red	-
2	Aux Type	Green	-
3	Aux Data	White	-
4	(+) 8 Volt	Blue	CC & DC
5	TX/RX	Brown	B4, CB, & DB
6	Ground	Black	-

B - Load Pin			
Deutsch 4 Pin Receptacle			
DTM04-4P			
Pin	Function	Color	To
1	(+) Volt Load	Red	-
2	(-) Sig	Green	-
3	(+) Sig	White	-
4	Ground	Black	A6

C - Planter Harness			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Signal from Sensor	Red	-
B	Ground	White	A6
C	(+) 8 Volt	Black	A4

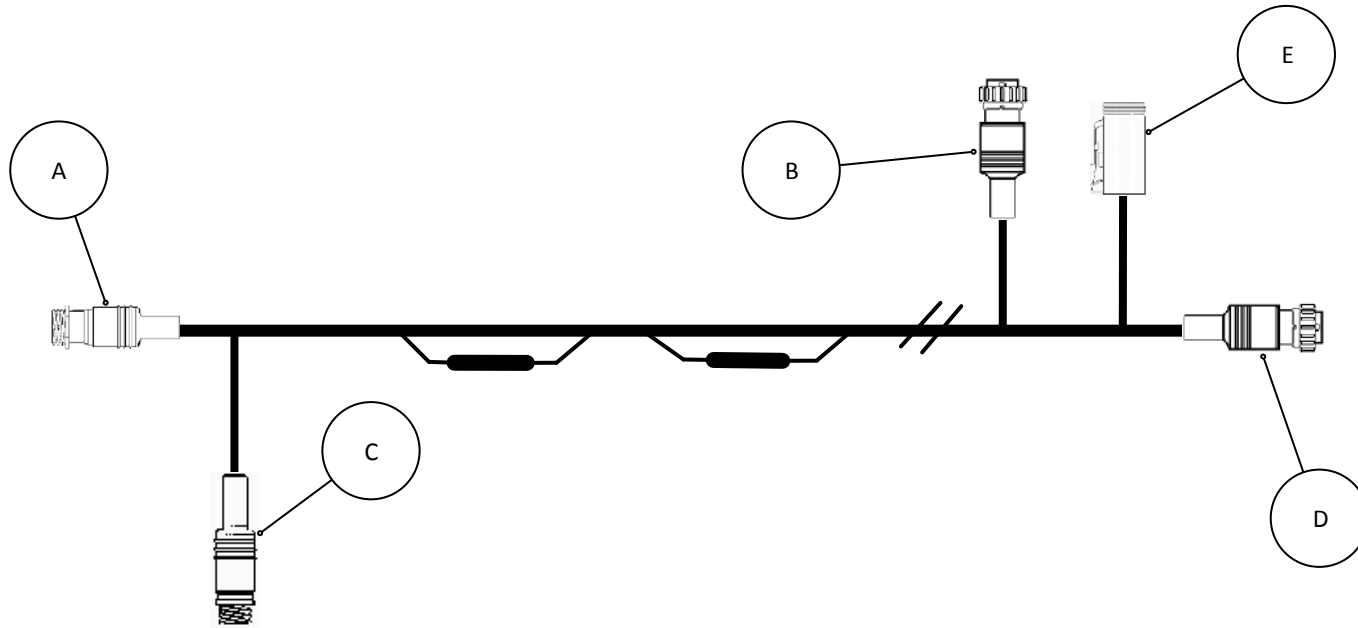
VIEW D			
D - Seed Tube Sensor			
3 Pin WeatherPack Plug			
12015793			
Pin	Function	Color	To
A	Signal from Sensor	Red	-
B	Ground	White	A6
C	(+) 8 Volt	Black	A4

Part #

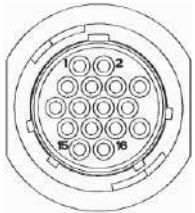
725206

Part

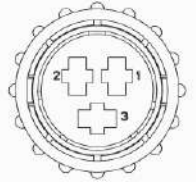
4 Pin Tractor Harness



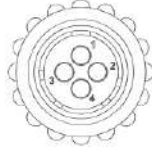
View A



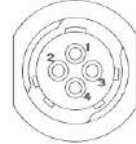
View B



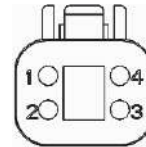
View D



View C



View E



A - 2020 SeedSense Display			
16 Pin AMP Plug			
AMP16 I4500			
Pin	Function	Color	To
1	Main Ground	Black	B3,D1,E1
2	--	--	--
3	Drain Wire	--	--
4	--	--	--
5	--	--	--
6	12 Volt Constant	White	B2
7	485 (-)	Black/Red	D3
8	485 (+)	Red/Black	D2
9	485 (-)	Black/White	E3
10	Pair 2	White/Black	E2
11	--	--	--
12	GPS Ground/Shield	Black/Red	C1
13	RX GPS	White	C2
14	TX GPS	White/Black	C3
15	GPS 5V	Red/Black	C4
16	12 Volt Ign	Red	B1,D4,E4

B - Convience 12V			
3 Pin AMP Plug			
AMP3 I4360			
Pin	Function	Color	To
0	12V Ign	Red	A16, D4, E4
0	12V Battery	White	A6
0	Ground	Black	A1, D1, E1

Part #

725206

Part

4 Pin Tractor Harness

C - GPS			
4 Pin AMP Receptacle			
AMP4 I4066			
Pin	Function	Color	To
1	GPS Ground	Black/Red	A12
2	RX from GPS	White/Black	A13
3	TX to GPS	Black/White	A14
4	GPS 5V	Red	A15

D - Channel A to Smart Connector			
4 Pin AMP Plug			
AMP4 I3730			
Pin	Function	Color	To
1	Ground	Black	A1, B3, E1
2	RS485+	Red/Black	A8
3	RS485-	Red/Black	A7
4	12V Ign	Red	A16, B1, E4

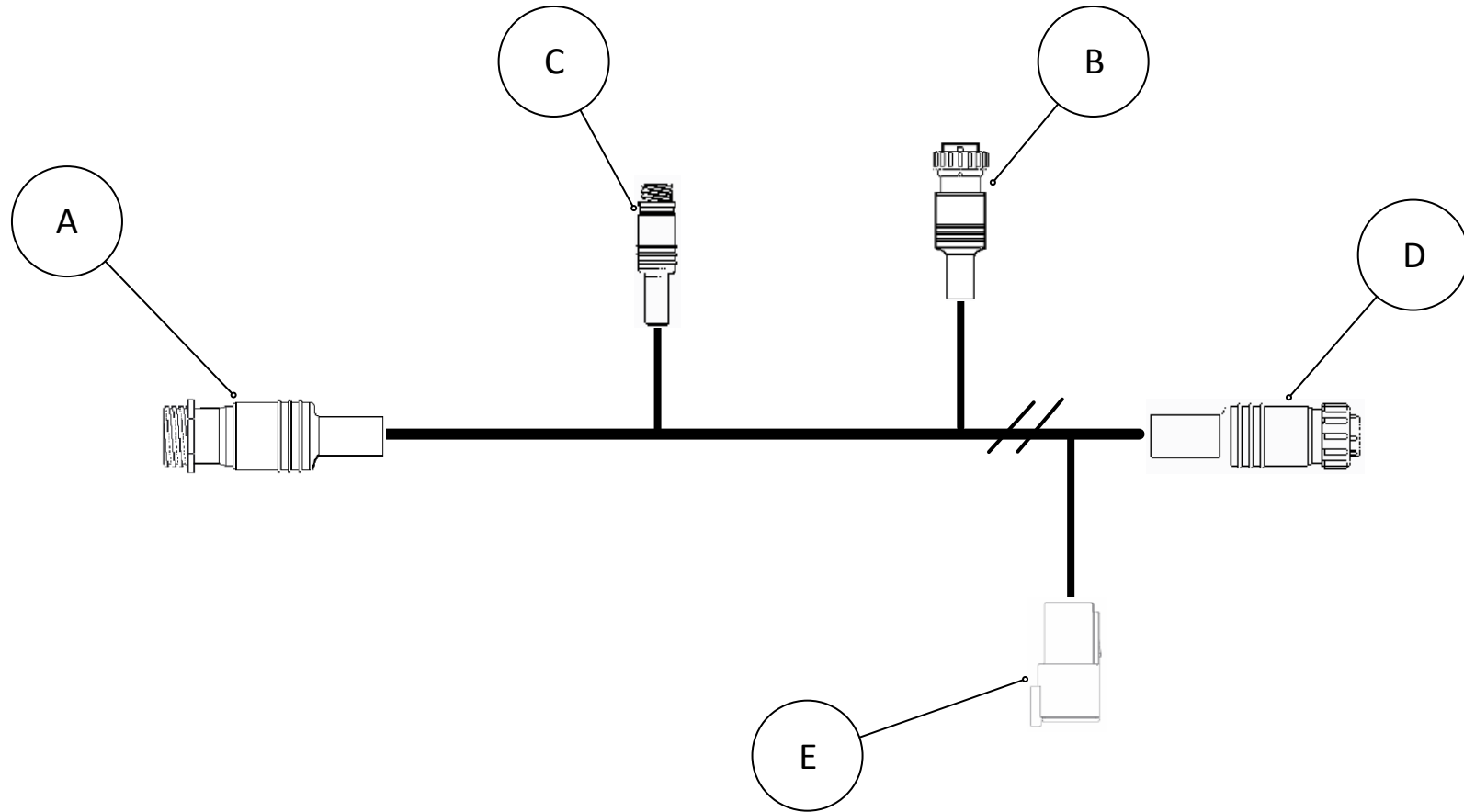
E - Channel B to Smart Connector			
4 Pin Deutsch Plug			
DTP4 I3275			
Pin	Function	Color	To
1	Ground	Black	A1, B3, D1
2	RS485+	White/Black	A10
3	RS485-	White/Black	A9
4	12V Ign	Red	A16, B1, D4

Part #

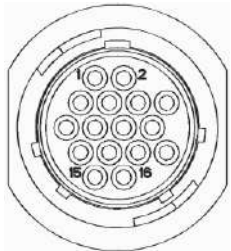
725207

Part

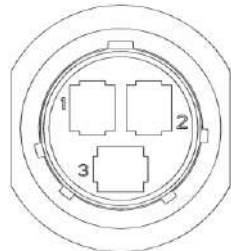
9 Pin Tractor Harness



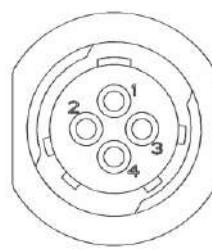
View A



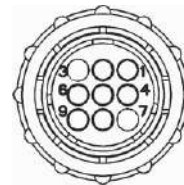
View B



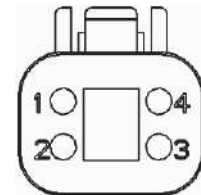
View C



View D



View E



Part #

725207

Part

9 Pin Tractor Harness

A - 2020 SeedSense Display			
16 Pin AMP Plug			
AMP16 I4500			
Pin	Function	Color	To
1	Main Ground	Black	B3,D1,E1
2	— —	—	—
3	Drain Wire	—	—
4	— —	—	—
5	— —	—	—
6	12 Volt Constant	White	B2
7	485 (-)	Black/Red	D3
8	485 (+)	Red/Black	D2
9	485 (-)	Black/White	E3, D4
10	Pair 2	White/Black	E2, D8
11	— —	—	—
12	GPS Ground/Shield	Black/Red	C1
13	RX GPS	White	C2
14	TX GPS	White/Black	C3
15	GPS 5V	Red/Black	C4
16	12 Volt Ign	Red	B1,D3,E4

B - Convience 12V			
3 Pin AMP Plug			
AMP3 I4360			
Pin	Function	Color	To
0	12V Ign	Red	A16, D3, E4
0	12V Battery	White	A6
0	Ground	Black	A1, D1, E1

C - GPS			
4 Pin AMP Receptacle			
AMP4PR4 I4066			
Pin	Function	Color	To
1	GPS Ground	Black/Red	A12
2	RX from GPS	White/Black	A13
3	TX to GPS	Black/White	A14
4	GPS 5V	Red	A15

D - Channel A/B to Smart Connectors			
9 Pin AMP Receptacle			
AMP9R I4176			
Pin	Function	Color	To
1	Ground	Black	A1, B3, E1
2	RS485- Channel A	Blue	A7
3	12V Ign	Red	A16, B1, E4
4	RS485- Channel B	White/Black	A9, E3
5			
6	RS485+ Channel A	Yellow	A8
7			
8	RS485+ Channel B	White/Black	A10, E2
9			

E - Channel B to Smart Connector			
4 Pin Deutsch Plug			
DTP4 I3275			
Pin	Function	Color	To
1	Ground	Black	A1, B3, D1
2	RS485+	White/Black	A10, D8
3	RS485-	White/Black	A9, D4
4	12V Ign	Red	A16, B1, D3

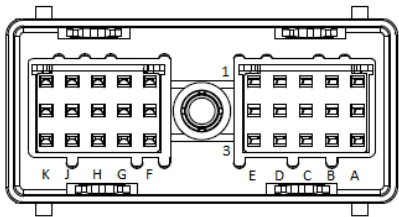
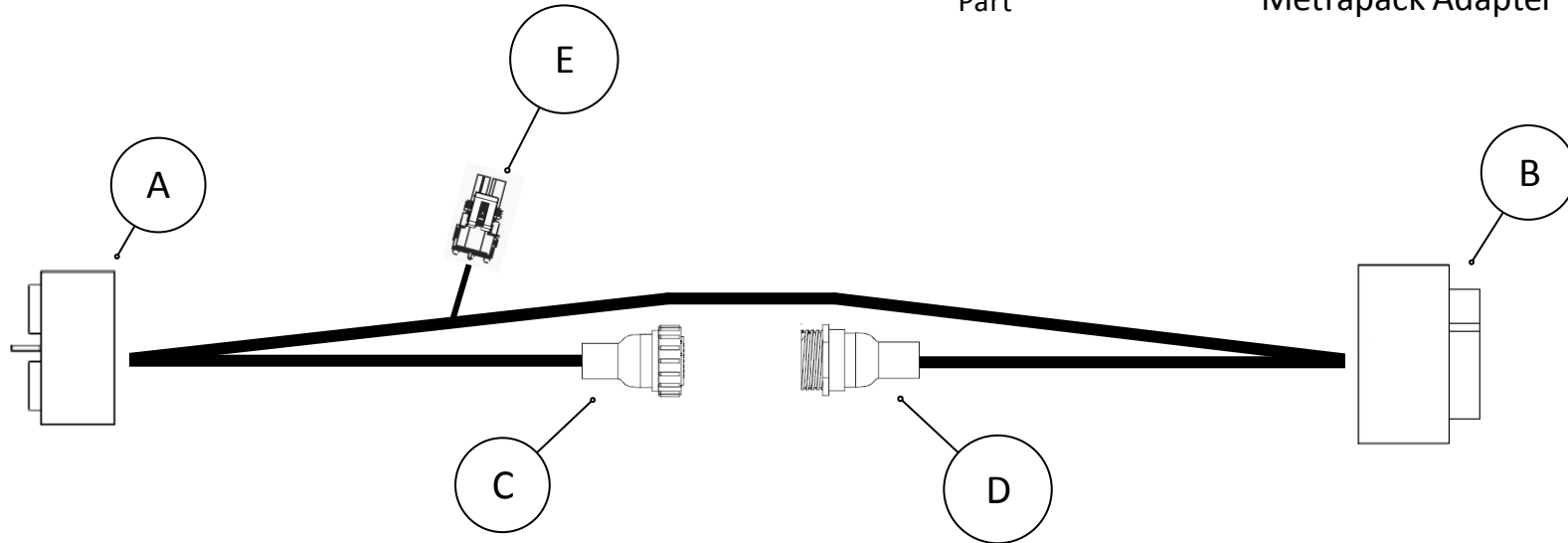
Go To 725XXX

Part #

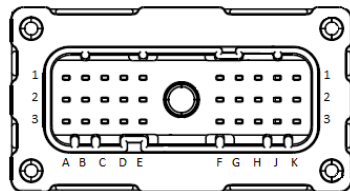
725209

Part

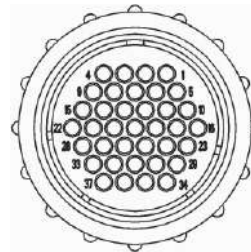
Metrapack Adapter



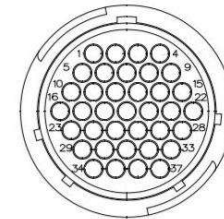
View A



View B



View C



View D



View E

A - Cinch Connection to WedgeBox

30 Pin Cinch Plug

581013027

Pin	Function	Color	To
Y1	Seed Sensor Row 1	NA	C1
Y2	Seed Sensor Row 2	NA	C2
Y3	Seed Sensor Row 3	NA	C3
X1	Seed Sensor Row 4	NA	C4
X2	Seed Sensor Row 5	NA	C5
X3	Seed Sensor Row 6	NA	C6
W1	Seed Sensor Row 7	NA	C7
W2	Seed Sensor Row 8	NA	C8
W3	Seed Sensor Row 9	NA	C9
T1	Seed Sensor Row 10	NA	C10
T2	Seed Sensor Row 11	NA	C11
T3	Seed Sensor Row 12	NA	C12
S1	Seed Sensor Row 13	NA	C13
S2	Seed Sensor Row 14	NA	C14
S3	Seed Sensor Row 15	NA	C15
R1	Seed Sensor Row 16	NA	C16
R2	CAN Ground	NA	B/E2
R3	Hopper Level	NA	B/E3
P1	Vacuum /Pressure	NA	B/D1
P2	Vacuum /Pressure	NA	B/D2
P3	Vacuum /Pressure	NA	B/D3
N1	Vacuum /Pressure	NA	B/C1
N2	CAN L	NA	B/C2
N3	CAN H	NA	B/C3
M1	CAN Battery	NA	B/B1
M2	12 Volt Ignition	NA	E/A
M3	Main Ground	NA	E/B
L1	MOD DECODE OUTPUT	NA	B/A1
L2	(+)8 Volt Rows 1 - 16	NA	C27
L3	(+)8 Volt Rows 1 - 16	NA	C28

B - Cinch Connection to JD Harness

30 Pin Cinch Receptacle

581013011

Pin	Function	Color	To
K1	Monitor Row 1	NA	D1
K2	Monitor Row 2	NA	D2
K3	Monitor Row 3	NA	D3
J1	Monitor Row 4	NA	D4
J2	Monitor Row 5	NA	D5
J3	Monitor Row 6	NA	D6
H1	Monitor Row 7	NA	D7
H2	Monitor Row 8	NA	D8
H3	Monitor Row 9	NA	D9
G1	Monitor Row 10	NA	D10
G2	Monitor Row 11	NA	D11
G3	Monitor Row 12	NA	D12
F1	Monitor Row 13	NA	D13
F2	Monitor Row 14	NA	D14
F3	Monitor Row 15	NA	D15
E1	Monitor Row 16	NA	D16
E2	CAN Ground A	NA	A/R2
E3	Hopper Level A	NA	A/R3
A1	MOD DECODE OUTPUT A	NA	A/L3
A2	(+)8 Volt Rows 1 - 16	NA	D27
A3	Monitor Ground	NA	D28
D1	Vacuum /Pressure A	NA	A/P1
D2	Vacuum /Pressure A	NA	A/P2
D3	Vacuum /Pressure A	NA	A/P3
C1	Vacuum /Pressure A	NA	A/N1
C2	CAN L A	NA	A/N2
C3	CAN H A	NA	A/N3
B1	CAN Battery A	NA	A/M1
B2	12 Volt Ignition	NA	E/A
B3	Main Ground	NA	E/B

Part #

725209

Part

Metrapack Adapter

Go To 725XXX

C - 37 Pin to Smart Connector Input

37 Pin AMP Receptacle

206150-1

Pin	Function	Color	To
1	Seed Sensor Row 1	NA	A/Y1
2	Seed Sensor Row 2	NA	A/Y2
3	Seed Sensor Row 3	NA	A/Y3
4	Seed Sensor Row 4	NA	A/X1
5	Seed Sensor Row 5	NA	A/X2
6	Seed Sensor Row 6	NA	A/X3
7	Seed Sensor Row 7	NA	A/W1
8	Seed Sensor Row 8	NA	A/W2
9	Seed Sensor Row 9	NA	A/W3
10	Seed Sensor Row 10	NA	A/T1
11	Seed Sensor Row 11	NA	A/T2
12	Seed Sensor Row 12	NA	A/T3
13	Seed Sensor Row 13	NA	A/S1
14	Seed Sensor Row 14	NA	A/S2
15	Seed Sensor Row 15	NA	A/S3
16	Seed Sensor Row 16	NA	A/R1
17-26	NA	NA	NA
27	+8 V Rows 1 - 16	NA	A/L2
28	Monitor Ground	NA	A/L3
29-37	NA	NA	NA

E

2 Pin WeatherPack Plug

12015792

Pin	Function	Color	To
A	12V Ignition	--	B/B2 & A/
B	Main Ground	--	B/B3 & A/

Part #

725209

Part

Metrapack Adapter

D - 37 Pin to Smart Connector Input

37 Pin AMP Plug

206151-2

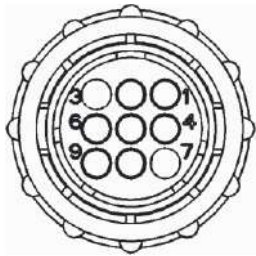
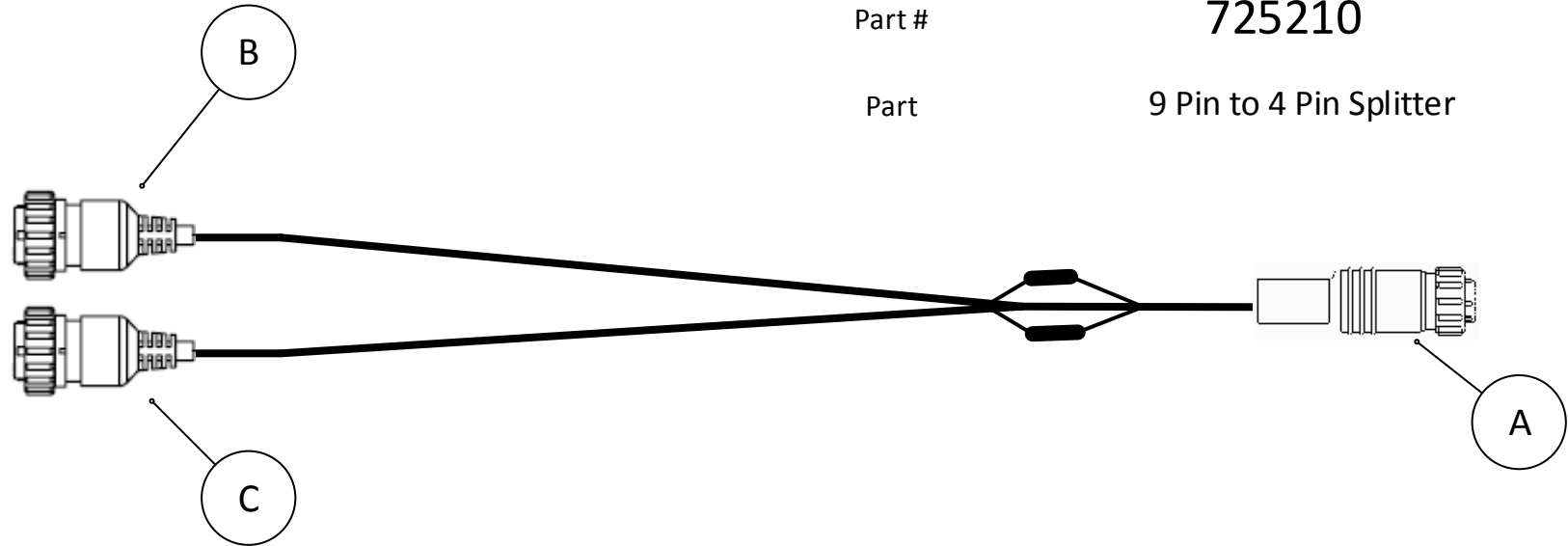
Pin	Function	Color	To
1	Monitor Row 1	NA	B/K1
2	Monitor Row 2	NA	B/K2
3	Monitor Row 3	NA	B/K3
4	Monitor Row 4	NA	B/J1
5	Monitor Row 5	NA	B/J2
6	Monitor Row 6	NA	B/J3
7	Monitor Row 7	NA	B/H1
8	Monitor Row 8	NA	B/H2
9	Monitor Row 9	NA	B/H3
10	Monitor Row 10	NA	B/G1
11	Monitor Row 11	NA	B/G2
12	Monitor Row 12	NA	B/G3
13	Monitor Row 13	NA	B/F1
14	Monitor Row 14	NA	B/F2
15	Monitor Row 15	NA	B/F3
16	Monitor Row 16	NA	B/E1
17-26	NA	NA	NA
27	+8 V Rows 1 - 16	NA	B/A2
28	Ground Rows 1 - 16	NA	B/A3
29-37	NA	NA	NA

Part #

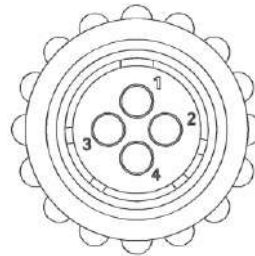
725210

Part

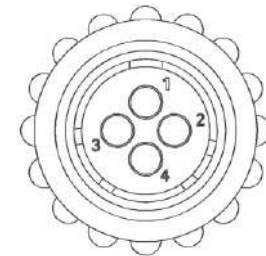
9 Pin to 4 Pin Splitter



View A



View B



View C

A		
9 Pin AMP Plug		
Pin	Function	To
1	Main Ground	B1 & C1
2	485 (-) Channel A	B3
3	12 Volt Ignition	B4 & C4
4	485(-) Channel B	C3
5	--	--
6	485(+) Channel A	B2
7	--	--
8	485(+) Channel B	C2
9	--	--

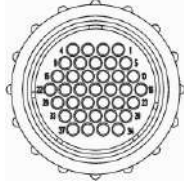
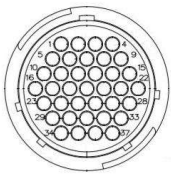
B		
4 Pin Channel A AMP Plug		
206060-1		
Pin	Function	To
1	Main Ground	A1
2	485(+) Channel A	A6
3	485(-) Channel A	A2
4	12 Volt Ignition	A3

C		
4 Pin Channel B AMP Plug		
206060-1		
Pin	Function	To
1	Main Ground	A1
2	485(+) Channel B	A8
3	485(-) Channel B	A4
4	12 Volt Ignition	A3

Go To 725XXX

VIEW A

VIEW B



Part #

725234

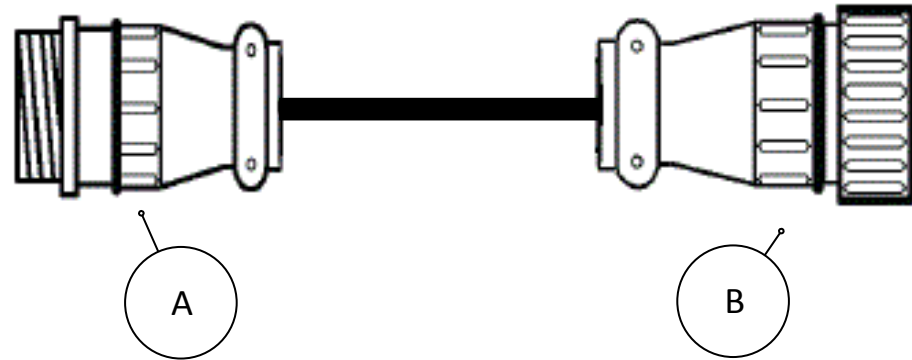
Part

725724 Dicky-John to John Deere

A	Planter to SC	B
37 Pin AMP		
206150-1 - 206151-2		

Pin	Function	From
1	Seed Sensor Row 1	1
2	Seed Sensor Row 2	2
3	Seed Sensor Row 3	3
4	Seed Sensor Row 4	4
5	Seed Sensor Row 5	5
6	Seed Sensor Row 6	6
7	Seed Sensor Row 7	7
8	Seed Sensor Row 8	8
9	Seed Sensor Row 9	9
10	Seed Sensor Row 10	10
11	Seed Sensor Row 11	11
12	Seed Sensor Row 12	12
13	Seed Sensor Row 13	13
14	Seed Sensor Row 14	14
15	Seed Sensor Row 15	15
16	Seed Sensor Row 16	16
17	Seed Sensor Row 17	17
18	Seed Sensor Row 18	18
19	Seed Sensor Row 19	19
20	Seed Sensor Row 20	20
21	Seed Sensor Row 21	21
22	Seed Sensor Row 22	22
23	Seed Sensor Row 23	23
24	(+)8 Volt Rows 1-16	27

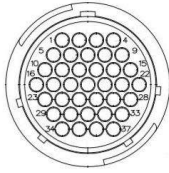
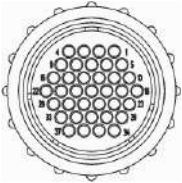
25	(+)8 Volt Rows 17-32	29
26	Ground Rows 1-16	28
27	Ground Rows 17-32	30
28	Seed Sensor Row 24	24
29	Seed Sensor Row 25	25
30	Seed Sensor Row 26	26
31	Seed Sensor Row 27	31
32	Seed Sensor Row 28	32
33	Seed Sensor Row 29	33
34	Seed Sensor Row 30	34
35	Seed Sensor Row 31	35
36	Seed Sensor Row 32	36
37	-	37



Go To 725XXX

VIEW A

VIEW B



Part #

725234

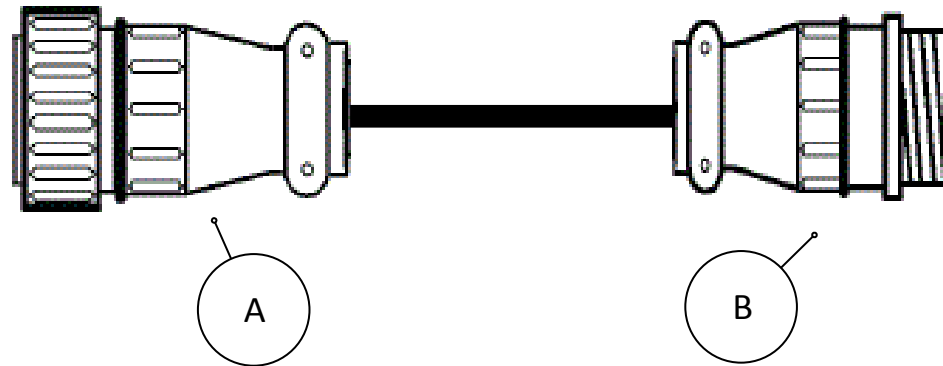
Part

725725 John Deere to Dickey-John

A	Planter to SC	B
37 Pin AMP		
206150-1 - 206151-2		

Pin	Function	From
1	Monitor Row 1	1
2	Monitor Row 2	2
3	Monitor Row 3	3
4	Monitor Row 4	4
5	Monitor Row 5	5
6	Monitor Row 6	6
7	Monitor Row 7	7
8	Monitor Row 8	8
9	Monitor Row 9	9
10	Monitor Row 10	10
11	Monitor Row 11	11
12	Monitor Row 12	12
13	Monitor Row 13	13
14	Monitor Row 14	14
15	Monitor Row 15	15
16	Monitor Row 16	16
17	Monitor Row 17	17
18	Monitor Row 18	18
19	Monitor Row 19	19
20	Monitor Row 20	20
21	Monitor Row 21	21
22	Monitor Row 22	22
23	Monitor Row 23	23
24	Monitor Row 24	28

25	Monitor Row 25	29
26	Monitor Row 26	30
27	(+)8 Volt Rows 1-16	24
28	Ground Rows 1-16	26
29	(+)8 Volt Rows 17-32	25
30	Ground Rows 17-32	27
31	Monitor Row 27	31
32	Monitor Row 28	32
33	Monitor Row 29	33
34	Monitor Row 30	34
35	Monitor Row 31	35
36	Monitor Row 32	36
37	-	37

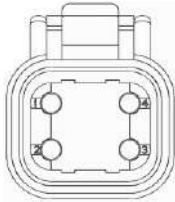
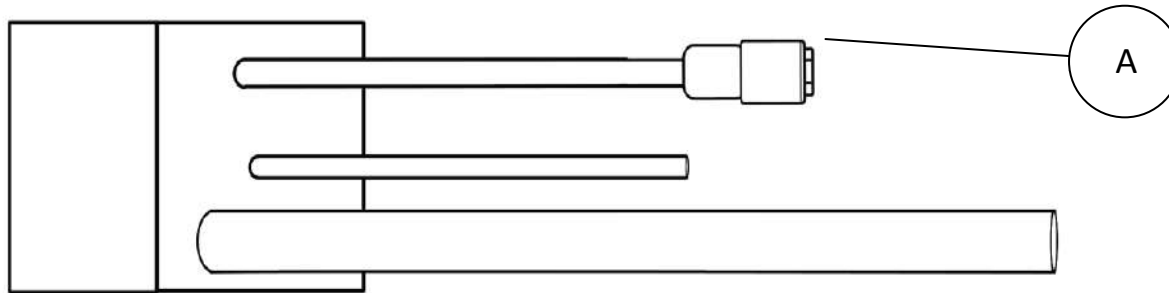


Part #

725235

Part

Pressure Sensor



VIEW A

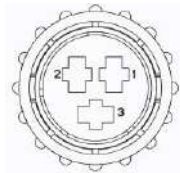
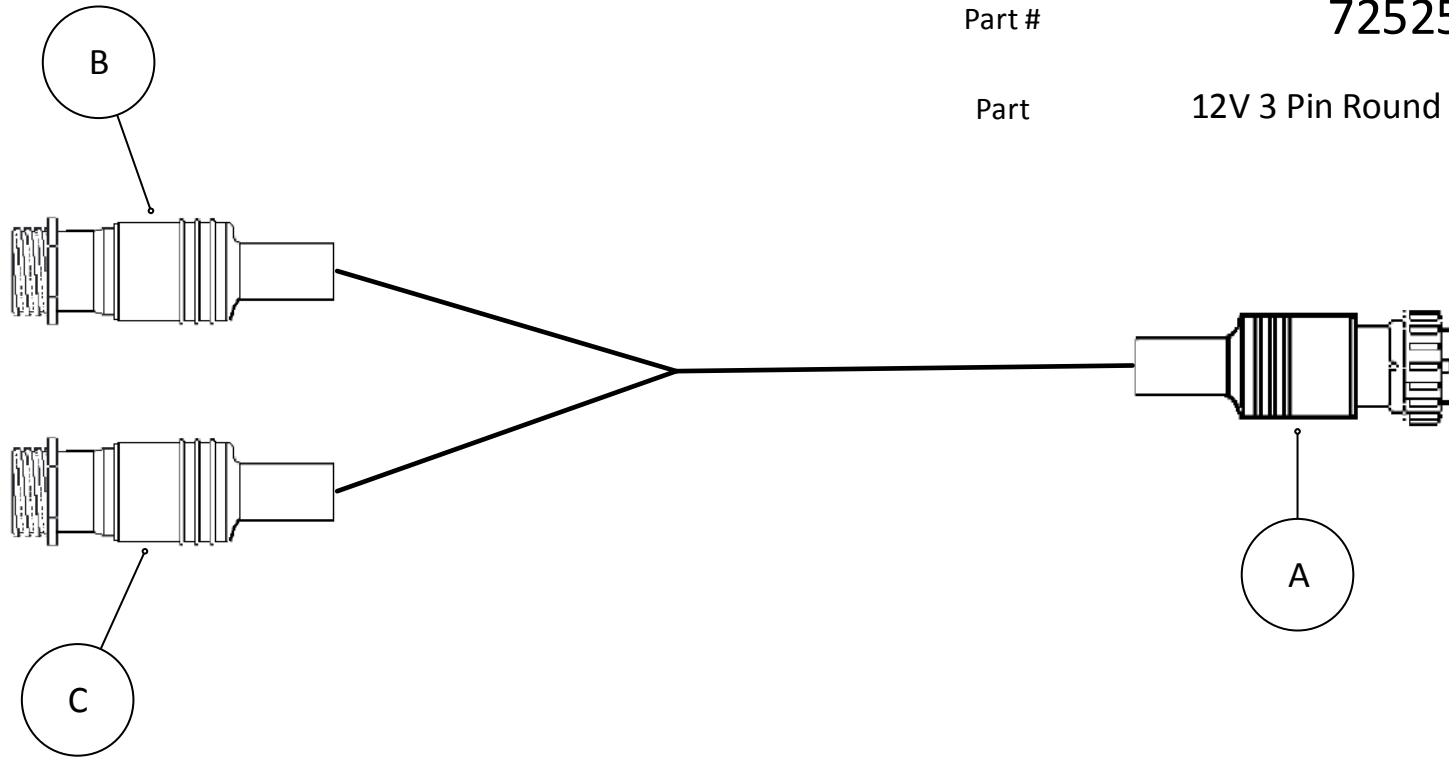
A - Pressure Sensor			
6 Pin Deutsch Receptacle			
-			
Pin	Function	Color	To
1	(+) 5 Volt (Aux)	Red	-
2	Aux Type (2 & 5 10 ohm res.)	Green	-
3	Vaccuum Data	White	-
4	-	-	-
5	-	-	-
6	Ground (6 & 5 10 ohm res.)	Black	-

Part #

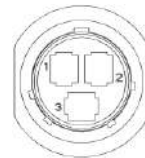
725254

Part

12V 3 Pin Round Power Splitter



VIEW A



VIEW B & C

A - Power Splitter			
3 Pin AMP Plug			
206037-2			
Pin	Function	Color	To
1	12V Ignition	Black	B1,C1
2	12V Battery	White	B2, C2
3	Ground	Green	B3, C3

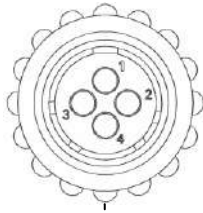
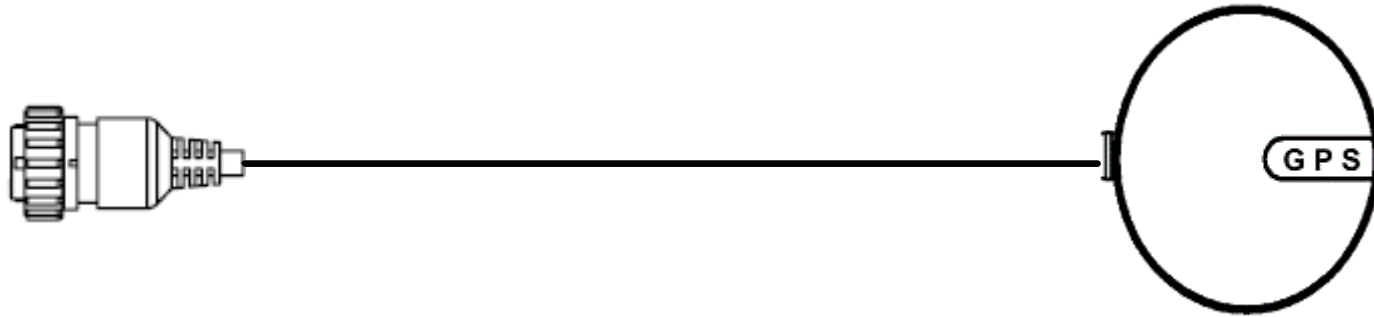
B,C - Power Splitter			
3 Pin AMP Receptacle			
206207-1			
Pin	Function	Color	To
1	12V Ignition	Black	A1
2	12V Battery	White	A2
3	Ground	Green	A3

Part #

725259

Part

GPS Receiver



VIEW A

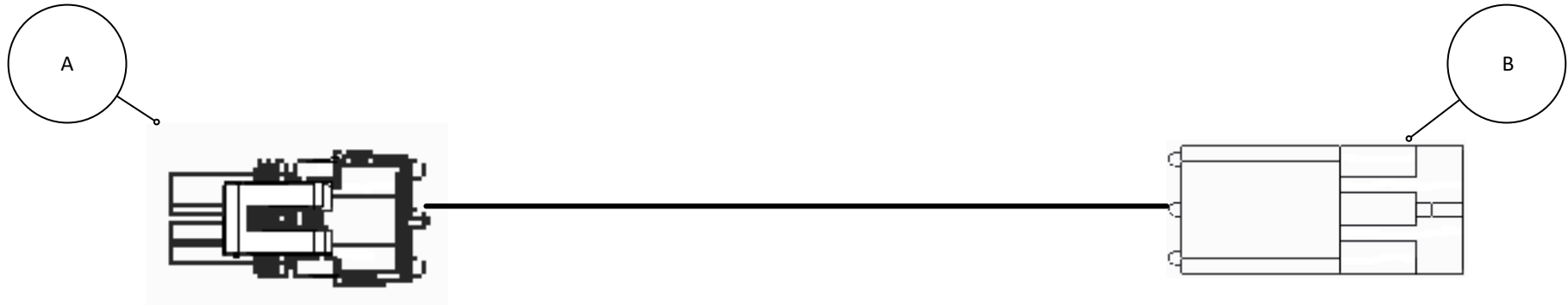
A - GPS			
4 Pin AMP Plug			
206060			
Pin	Function	Color	To
1	Ground	Black	-
2	RX Signal	Green	-
3	TX Signal	White	-
4	Load (+) 5V	Red	-

Part #

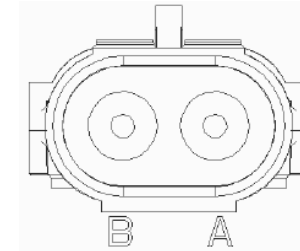
725263

Part

2 Pin Weatherpack Extension



VIEW A



VIEW B

A- Power Output			
Weatherpack 2 Pin			
12015792			
Pin	Function	Color	From
A	Ground	Black	BA
B	Power	White	BB

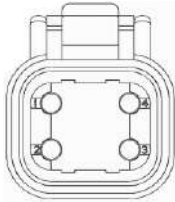
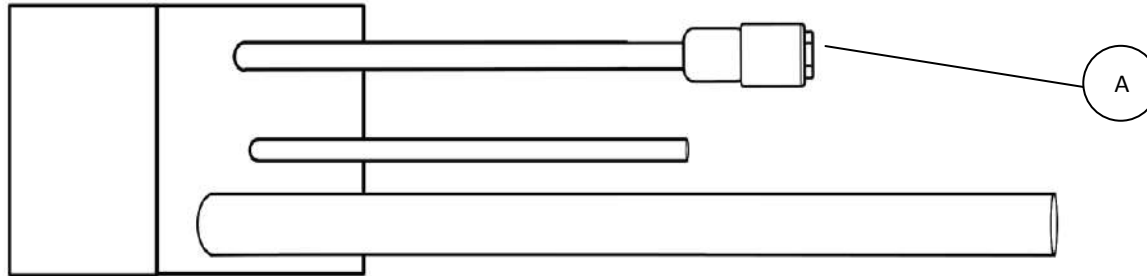
B- Power Input			
Weatherpack 2 Pin			
12010973			
Pin	Function	Color	To
A	Ground	Black	AA
B	Power	White	AB

Part #

725264

Part

White/GP Pressure Sensor



VIEW A

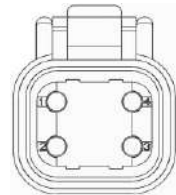
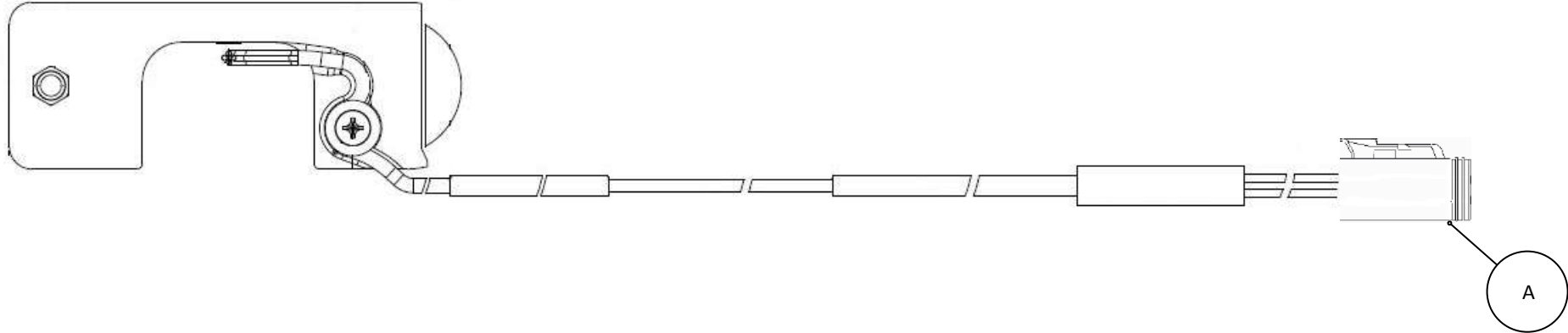
A - Pressure Sensor			
6 Pin Deutsch Receptacle			
-			
Pin	Function	Color	To
1	(+) 5 Volt (Aux)	Red	-
2	Aux Type (2 & 5 10 ohm res.)	Green	-
3	Vaccuum Data	White	-
4	-	-	-
5	-	-	-
6	Ground (6 & 5 10 ohm res.)	Black	-

Part #

725266

Part

White 6000



VIEW A

A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

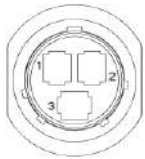
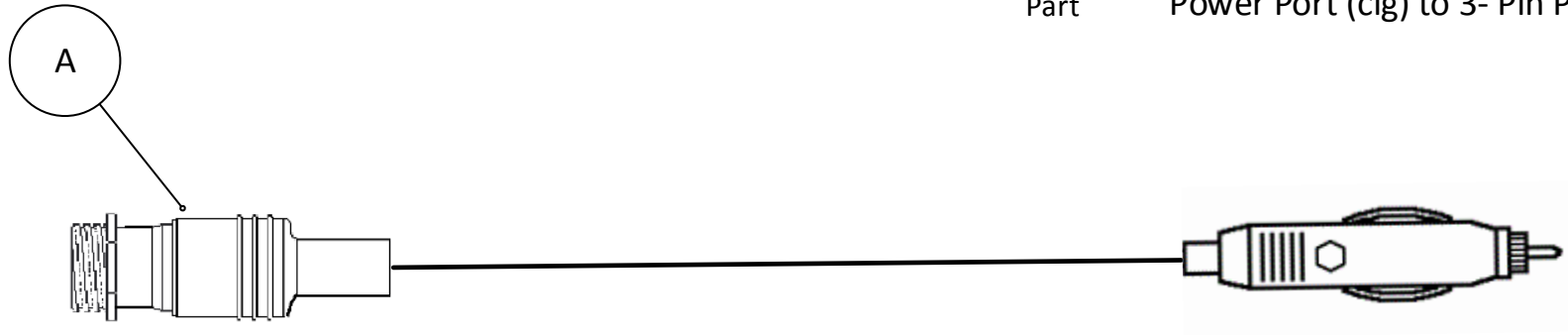
Go To 725XXX

Part #

725269

Part

Power Port (cig) to 3- Pin Power Adapter



VIEW A

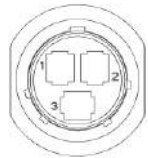
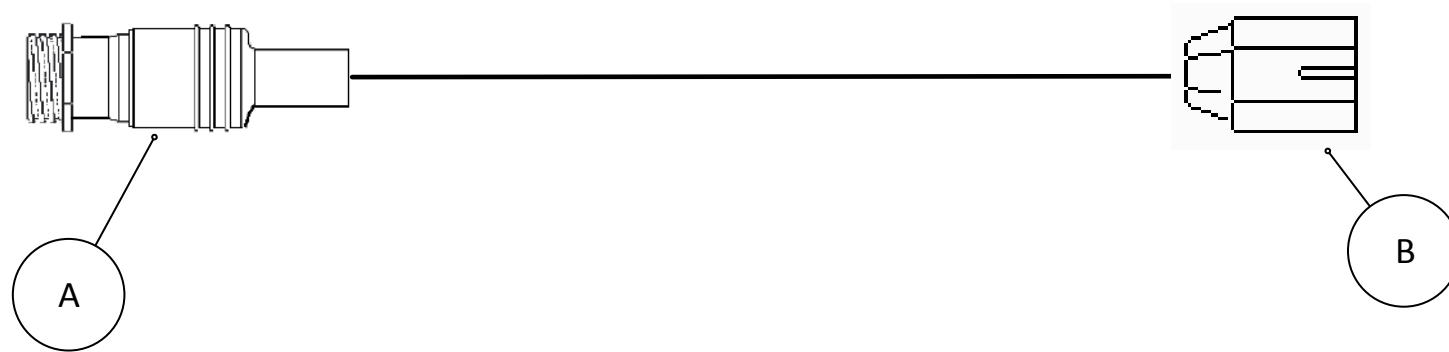
A - Power Splitter			
3 Pin AMP Receptacle			
206207-1			
Pin	Function	Color	To
1	12V Ignition	Black	-
2	12V Battery	White	-
3	Ground	Green	-

Part #

725270

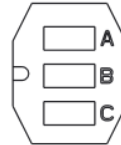
Part

JD Power Strip 3 – Pin Power Adapter



VIEW A

A - Power Port			
3 Pin AMP Receptacle			
206207-1			
Pin	Function	Color	To
1	12V Ignition	Black	B/C
2	12V Battery	White	B/A
3	Ground	Green	B/B



VIEW B

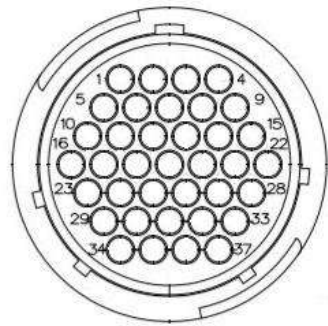
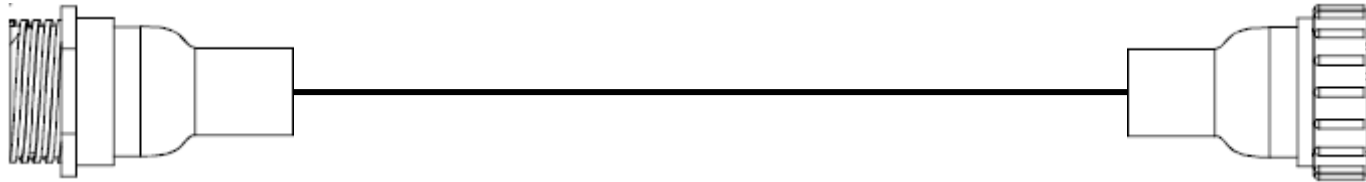
A - JD Femal Power Strip			
3 Pin AMP Receptacle			
JD Power			
Pin	Function	Color	To
A	12V Ignition	-	A2
B	Ground	-	A3
C	12V Ignition	-	A1

Part #

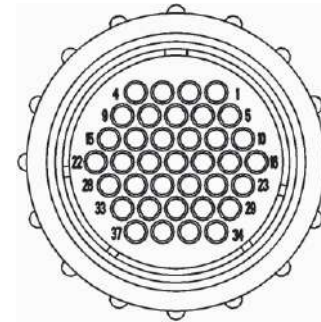
725272

Part

37 Pin Extension Harness



VIEW A



VIEW B

A - 37 Pin Input			
37 Pin Amp Receptacle			
206151-2			
Pin	Function	Color	To
A1-26	Pass Thru		B1-26
A31-37	Pass Thru		B31-37
A27	Power		B27
A28	Ground		B28
A29	Power		B29
A30	Ground		B30

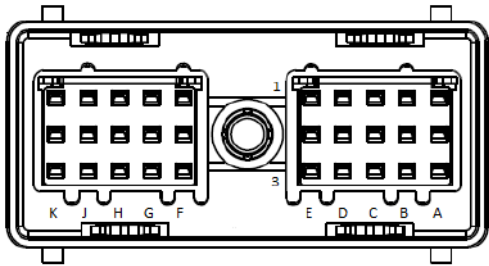
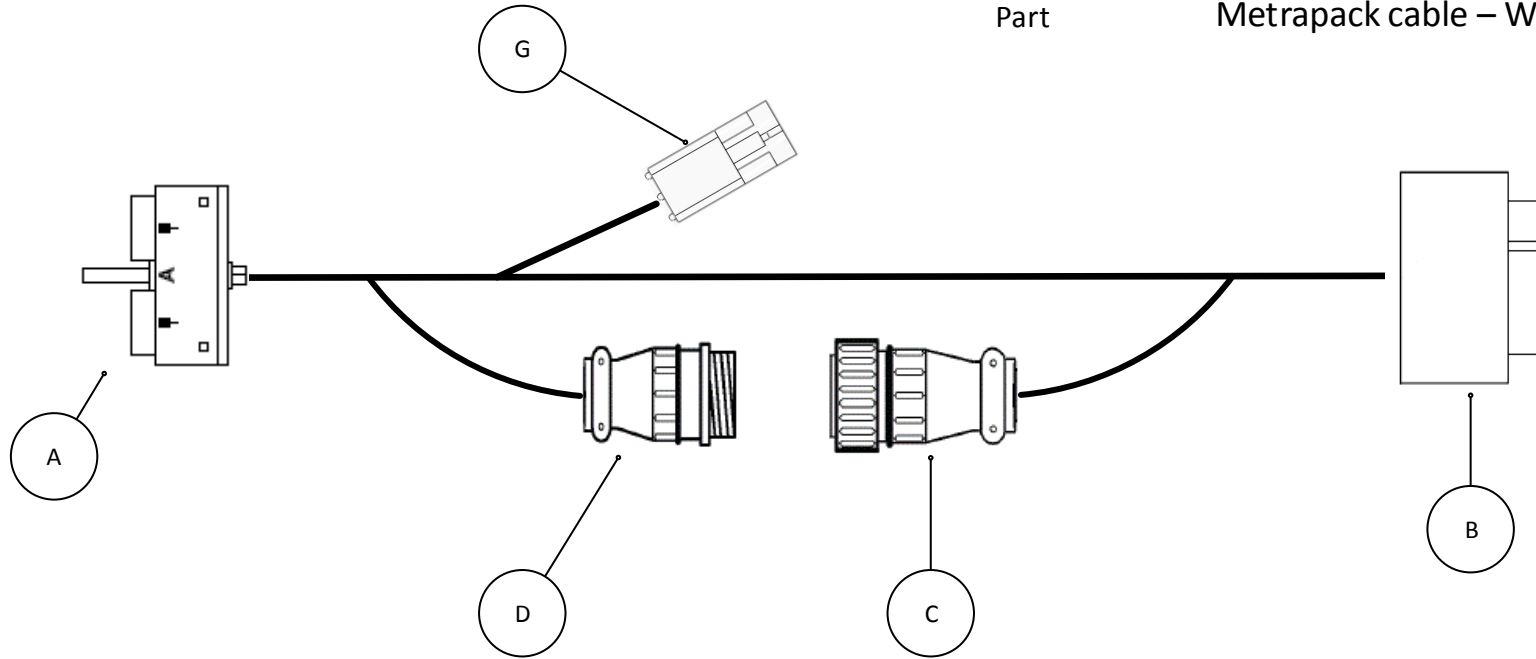
B- 37 Pin Output			
37 Pin Amp Plug			
206150-1			
Pin	Function	Color	From
B1-26	Pass Thru		A1-26
B31-37	Pass Thru		A31-37
B27	Power		A27
B28	Ground		A28
B29	Power		A29
B30	Ground		A30

Part #

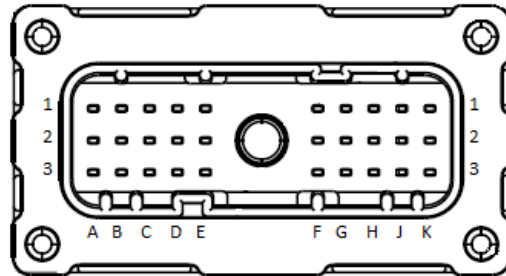
725282

Part

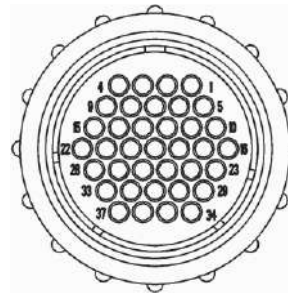
Metrapack cable – White 2003



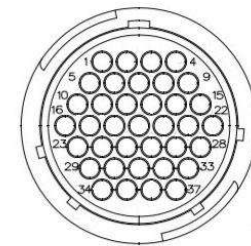
VIEW A



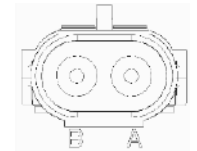
VIEW B



VIEW C



VIEW D



VIEW G

Part #

725282

Part

Metrapack cable – White 2003

A - Cinch Connection to WedgeBox				B - Cinch Connection to JD Harness			
30 Pin Cinch Plug				30 Pin Cinch Receptacle			
581013030				581016012			
Pin	Function	Color	To	Pin	Function	Color	To
Y1	Seed Sensor Row 1	NA	C1	K1	Monitor Row 1	NA	D1
Y2	Seed Sensor Row 2	NA	C2	K2	Monitor Row 2	NA	D2
Y3	Seed Sensor Row 3	NA	C3	K3	Monitor Row 3	NA	D3
X1	Seed Sensor Row 4	NA	C4	J1	Monitor Row 4	NA	D4
X2	Seed Sensor Row 5	NA	C5	J2	Monitor Row 5	NA	D5
X3	Seed Sensor Row 6	NA	C6	J3	Monitor Row 6	NA	D6
W1	Seed Sensor Row 7	NA	C7	H1	Monitor Row 7	NA	D7
W2	Seed Sensor Row 8	NA	C8	H2	Monitor Row 8	NA	D8
W3	Seed Sensor Row 9	NA	C9	H3	Monitor Row 9	NA	D9
T1	Seed Sensor Row 10	NA	C10	G1	Monitor Row 10	NA	D10
T2	Seed Sensor Row 11	NA	C11	G2	Monitor Row 11	NA	D11
T3	Seed Sensor Row 12	NA	C12	G3	Monitor Row 12	NA	D12
S1	Seed Sensor Row 13	NA	C13	F1	Monitor Row 13	NA	D13
S2	Seed Sensor Row 14	NA	C14	F2	Monitor Row 14	NA	D14
S3	Seed Sensor Row 15	NA	C15	F3	Monitor Row 15	NA	D15
R1	Seed Sensor Row 16	NA	C16	E1	Monitor Row 16	NA	D16
R2	CAN Ground	NA	B/E2	E2	CAN Ground A	NA	A/R2
R3	Hopper Level	NA	B/E3	E3	Hopper Level A	NA	A/R3
P1	Vacuum /Pressure	NA	B/D1	A1	MOD DECODE OUTPUT A	NA	A/L3
P2	Vacuum /Pressure	NA	B/D2	A2	(+)8 Volt Rows 1 - 16	NA	D27
P3	Vacuum /Pressure	NA	B/D3	A3	Monitor Ground	NA	D28
N1	Vacuum /Pressure	NA	B/C1	D1	Vacuum /Pressure A	NA	A/P1
N2	CAN L	NA	B/C2	D2	Vacuum /Pressure A	NA	A/P2
N3	CAN H	NA	B/C3	D3	Vacuum /Pressure A	NA	A/P3
M1	CAN Battery	NA	B/B1	C1	Vacuum /Pressure A	NA	A/N1
M2	12 Volt Ignition	NA	E/A	C2	CAN L A	NA	A/N2
M3	Main Ground	NA	E/B	C3	CAN H A	NA	A/N3
L1	MOD DECODE OUTPUT	NA	B/A1	B1	CAN Battery A	NA	A/M1
L2	(+)8 Volt Rows 1 - 16	NA	C27	B2	12 Volt Ignition	NA	E/A
L3	(+)8 Volt Rows 1 - 16	NA	C28	B3	Main Ground	NA	E/B

C - 37 Pin to Smart Connector Input			
37 Pin AMP Receptacle			
206150-1			
Pin	Function	Color	To
1	Seed Sensor Row 1	NA	A/Y1
2	Seed Sensor Row 2	NA	A/Y2
3	Seed Sensor Row 3	NA	A/Y3
4	Seed Sensor Row 4	NA	A/X1
5	Seed Sensor Row 5	NA	A/X2
6	Seed Sensor Row 6	NA	A/X3
7	Seed Sensor Row 7	NA	A/W1
8	Seed Sensor Row 8	NA	A/W2
9	Seed Sensor Row 9	NA	A/W3
10	Seed Sensor Row 10	NA	A/T1
11	Seed Sensor Row 11	NA	A/T2
12	Seed Sensor Row 12	NA	A/T3
13	Seed Sensor Row 13	NA	A/S1
14	Seed Sensor Row 14	NA	A/S2
15	Seed Sensor Row 15	NA	A/S3
16	Seed Sensor Row 16	NA	A/R1
17-26	NA	NA	NA
27	+8 V Rows 1 - 16	NA	A/L2
28	Monitor Ground	NA	A/L3
29-37	NA	NA	NA

D - 37 Pin to Smart Connector Input			
37 Pin AMP Plug			
206151-2			
Pin	Function	Color	To
1	Monitor Row 1	NA	B/K1
2	Monitor Row 2	NA	B/K2
3	Monitor Row 3	NA	B/K3
4	Monitor Row 4	NA	B/J1
5	Monitor Row 5	NA	B/J2
6	Monitor Row 6	NA	B/J3
7	Monitor Row 7	NA	B/H1
8	Monitor Row 8	NA	B/H2
9	Monitor Row 9	NA	B/H3
10	Monitor Row 10	NA	B/G1
11	Monitor Row 11	NA	B/G2
12	Monitor Row 12	NA	B/G3
13	Monitor Row 13	NA	B/F1
14	Monitor Row 14	NA	B/F2
15	Monitor Row 15	NA	B/F3
16	Monitor Row 16	NA	B/E1
17-26	NA	NA	NA
27	+8 V Rows 1 - 16	NA	B/A2
28	Ground Rows 1 - 16	NA	B/A3
29-37	NA	NA	NA

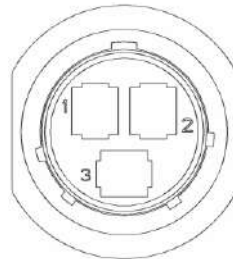
G - 2 Pin 12V+ for Pre Universal Tractor Harness			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	12V+	NA	B/B2, A/M2
B	Ground	NA	B/B3, A/M3

Part #

725292

Part

3 Pin Power to 48" Leads



VIEW A

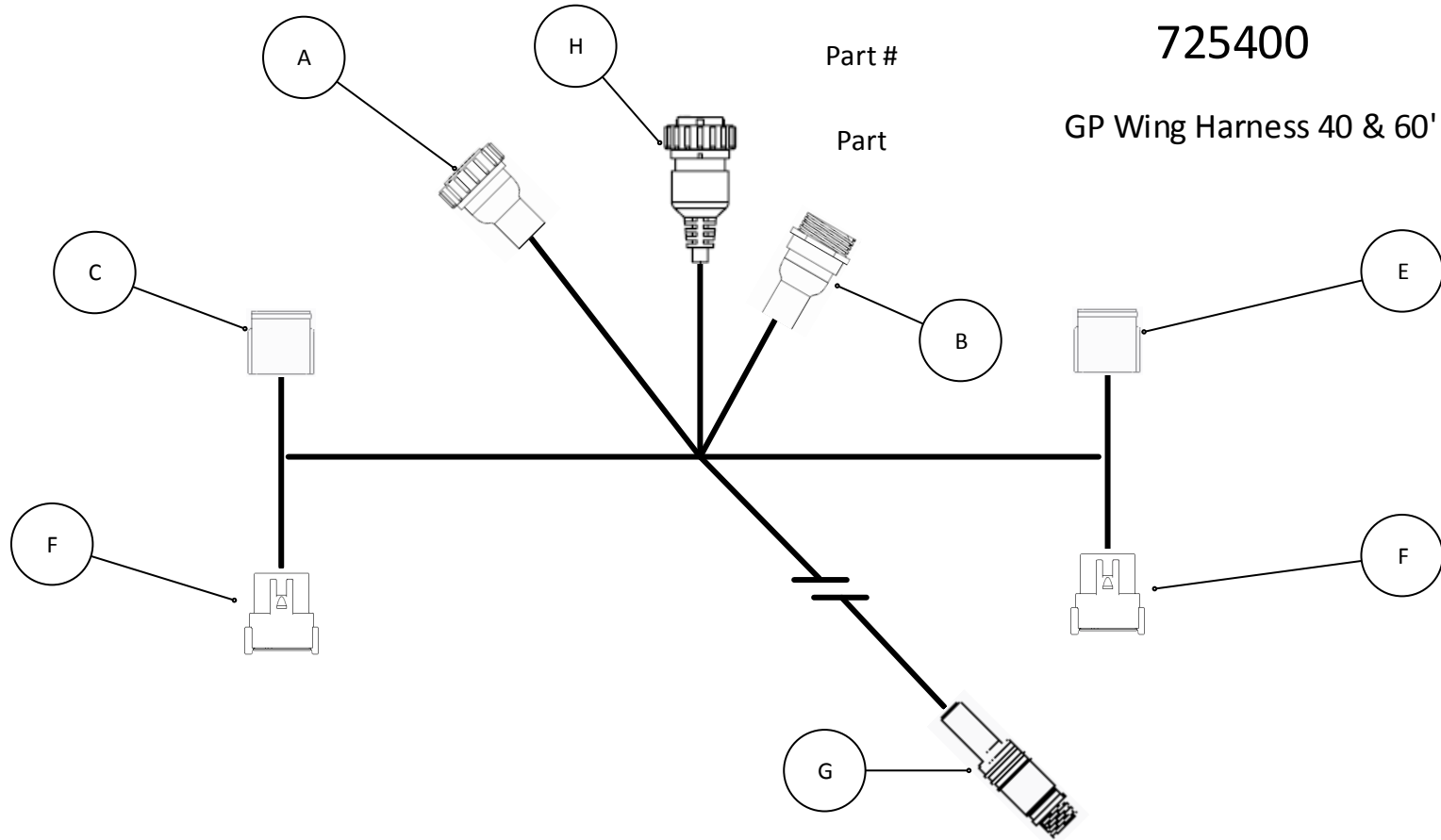
A- 3 Pin Power Output			
AMP 3 Pin			
206207-1			
Pin	Function	Color	To
1	Switched Power	Orange	
2	Battery Power	Red	
3	Ground	Black	

Part #

725400

Part

GP Wing Harness 40 & 60'



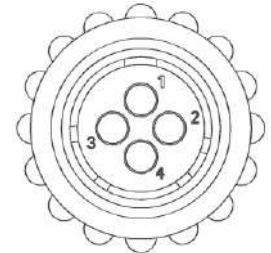
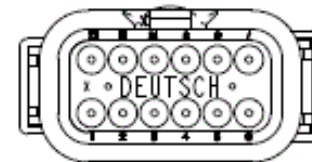
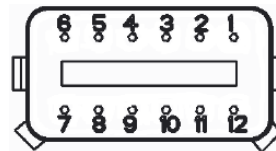
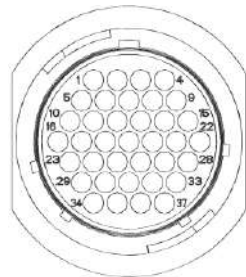
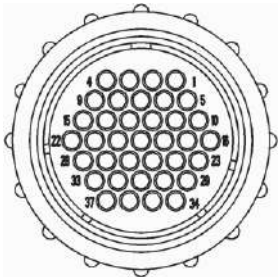
VIEW A

VIEW B

VIEW C,E

VIEW D,F

VIEW H



Connector A			
Amp 37 Pin Plug CPC Series 1			
206150-1			
Pin	Function	Color	To
1	Row 1 Signal In	-	D1
2	Row 2 Signal In	-	D2
3	Row 3 Signal In	-	D3
4	Row 4 Signal In	-	D4
5	Row 5 Signal In	-	D5
6	Row 6 Signal In	-	D6
7	Row 7 Signal In	-	D7
8	Row 8 Signal In	-	D8
9	Row 9 Signal In	-	D9
10	Row 10 Signal In	-	D10
11	Row 11 Signal In	-	D11
12	Row 12 Signal In	-	D12
13	Row 13 Signal In	-	F5
14	Row 14 Signal In	-	F6
15	Row 15 Signal In	-	F7
16	Row 16 Signal In	-	F8
17	Un-used	-	1
18	Un-used	-	2
19	Un-used	-	3

Connector A			
Amp 37 Pin Plug CPC Series 1			
206150-1			
Pin	Function	Color	To
20	Un-used	-	4
21	Un-used	-	5
22	Un-used	-	6
23	Left Power	-	7
24	Left Ground	-	8
25	Un-used	-	9
26	Un-used	-	10
27	Un-used	-	F9
28	Un-used	-	F10
29	Un-used	-	9
30	Un-used	-	10
31	Un-used	-	11
32	Un-used	-	12
33	Un-used	-	5
34	Un-used	-	6
35	Un-used	-	7
36	Un-used	-	8
37	Un-used	-	

Connector B			
Amp 37 Pin Receptacle CPC Series 1			
206151-2			
Pin	Function	Color	To
1	Row 1 Signal Out	-	C1
2	Row 2 Signal Out	-	C2
3	Row 3 Signal Out	-	C3
4	Row 4 Signal Out	-	C4
5	Row 5 Signal Out	-	C5
6	Row 6 Signal Out	-	C6
7	Row 7 Signal Out	-	C7
8	Row 8 Signal Out	-	C8
9	Row 9 Signal Out	-	C9
10	Row 10 Signal Out	-	C10
11	Row 11 Signal Out	-	C11
12	Row 12 Signal Out	-	C12
13	Row 13 Signal Out	-	E5
14	Row 14 Signal Out	-	E6
15	Row 15 Signal Out	-	E7
16	Row 16 Signal Out	-	E8
17	Un-used		1
18	Un-used		2
19	Un-used		3

Part #

725400

Part

GP Wing Harness 40 & 60'

Connector B			
Amp 37 Pin Receptacle CPC Series 1			
206151-2			
Pin	Function	Color	To
20	Un-used		4
21	Un-used		5
22	Un-used		6
23	Left Power		7
24	Left Ground		8
25	Un-used		9
26	Un-used		10
27	Un-used	-	E9
28	Un-used	-	E10
29	Un-used		9
30	Un-used		10
31	Un-used		11
32	Un-used		12
33	Un-used		5
34	Un-used		6
35	Un-used		7
36	Un-used		8
37	Un-used		

Connector C			
12 Pin Deutsch Gray Plug			
DTM06-12SA			
Pin	Function	Color	To
1	Row 1 Signal In	-	B1
2	Row 2 Signal In	-	B2
3	Row 3 Signal In	-	B3
4	Row 4 Signal In	-	B4
5	Row 5 Signal In	-	B5
6	Row 6 Signal In	-	B6
7	Row 7 Signal In	-	B7
8	Row 8 Signal In	-	B8
9	Row 9 Signal In	-	B9
10	Row 10 Signal In	-	B10

Connector D			
12 Pin Deutsch Gray Receptacle			
DTM04-12PA			
Pin	Function	Color	To
1	Row 1 Seed Sensor	-	A1
2	Row 2 Seed Sensor	-	A2
3	Row 3 Seed Sensor	-	A3
4	Row 4 Seed Sensor	-	A4
5	Row 5 Seed Sensor	-	A5
6	Row 6 Seed Sensor	-	A6
7	Row 7 Seed Sensor	-	A7
8	Row 8 Seed Sensor	-	A8
9	Row 9 Seed Sensor	-	A9
10	Row 10 Seed Sensor	-	A10
11	Row 11 Seed Sensor	-	A11
12	Row 12 Seed Sensor	-	A12

Part #

725400

Part

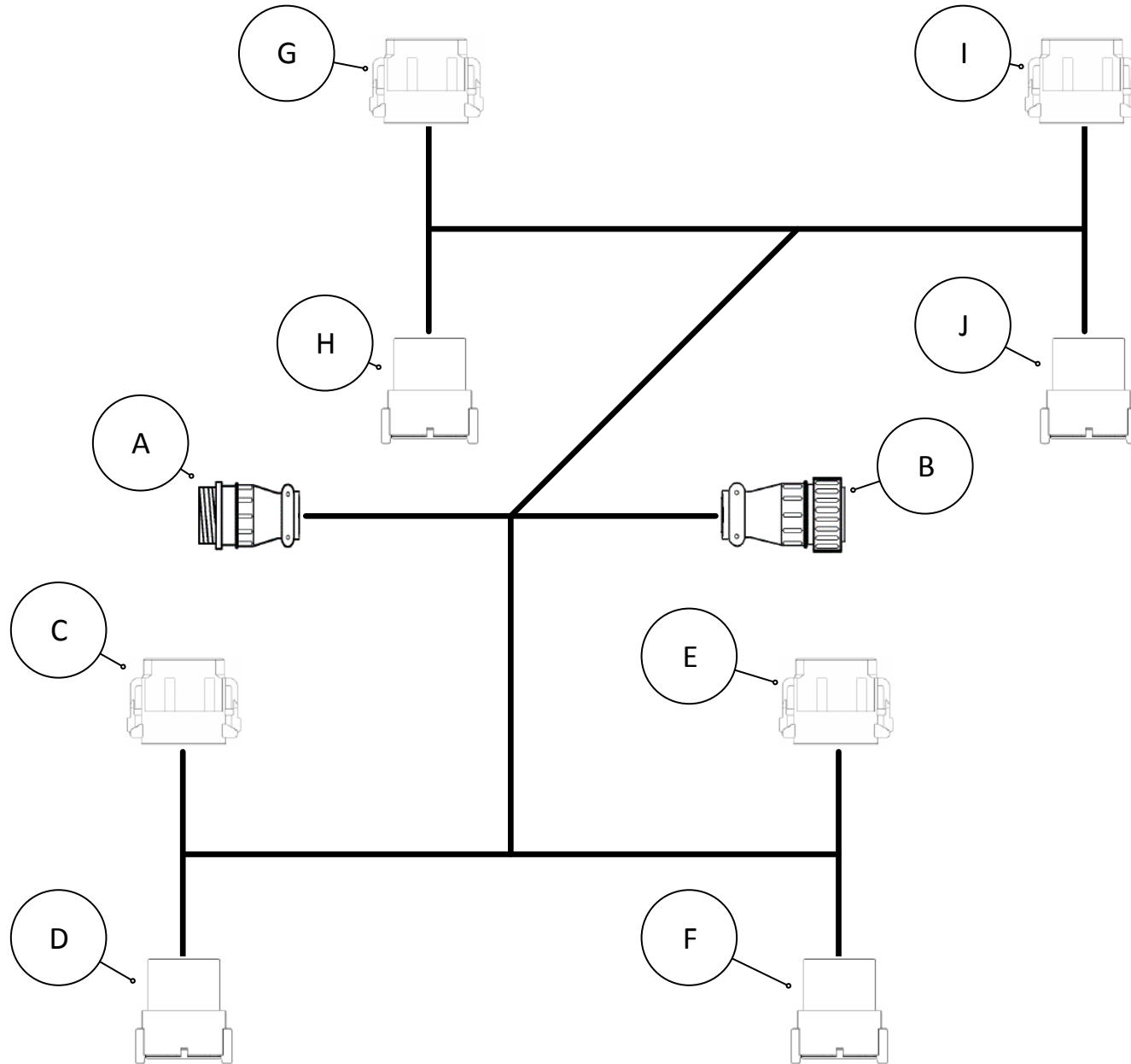
GP Wing Harness 40 & 60'

Connector E			
12 Pin Deutsch Black Plug			
DTM06-12SB			
Pin	Function	Color	To
1	Row 1 Signal In	-	F1
2	Row 2 Signal In	-	F2
3	Row 3 Signal In	-	F3
4	Row 4 Signal In	-	F4
5	Row 5 Signal In	-	B13
6	Row 6 Signal In	-	B14
7	Row 7 Signal In	-	B15
8	Row 8 Signal In	-	B16
9	Row 9 Signal In	-	B27
10	Row 10 Signal In	-	B28
11	Pass through	-	F11
12	Pass through	-	F12

Connector F			
12 Pin Deitsch Black Receptacle			
DTM04-12PB			
Pin	Function	Color	To
76	Pass through	-	E1
2	Pass through	-	E2
3	Pass through 485	-	E3
4	Pass through 485	-	E4
5	Row 13 Seed Sensor	-	A13
6	Row 14 Seed Sensor	-	A14
7	Row 15 Seed Sensor	-	A15
8	Row 16 Seed Sensor	-	A16
9	8 Volt Out	-	A27
10	Ground	-	A28
11	12V Power	-	
12	Ground	-	

Connector G			
Male Amp 4 Pin Connector			
206153-1			
Pin	Function	Color	To
1	485+	-	H2
2	485-	-	H3
3	Un-used	-	

Connector H			
Female Amp 4 Pin Connector			
206060-1			
Pin	Function	Color	To
1	Row 1 Signal In	-	B1
2	Row 2 Signal In	-	B2
3	Row 3 Signal In	-	B3
4	Row 4 Signal In	-	B4
5	Row 5 Signal In	-	B5
6	Row 6 Signal In	-	B6
7	Row 7 Signal In	-	B7
8	Row 8 Signal In	-	B8
9	Row 9 Signal In	-	B9
10	Row 10 Signal In	-	B10

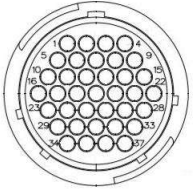


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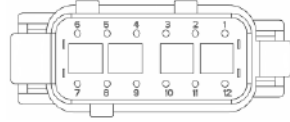
Part #

725401

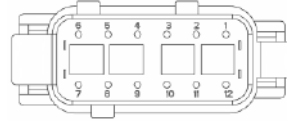
Part GP left wing and center harness



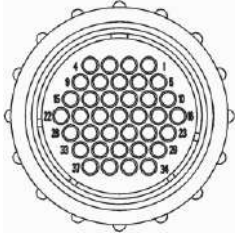
VIEW A



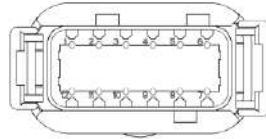
VIEW E



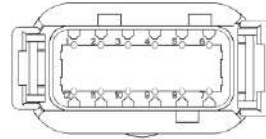
VIEW I



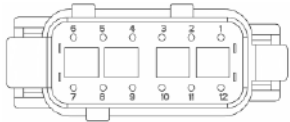
VIEW B



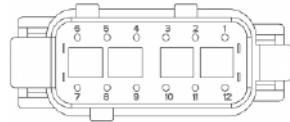
VIEW F



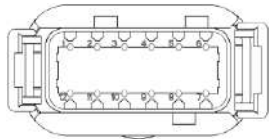
VIEW J



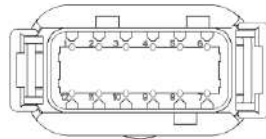
VIEW C



VIEW G



VIEW D



VIEW H

A - Smart Connector Input			
37 Pin AMP Receptacle			
206150-1			
Pin	Function	Color	To
1	Signal From Row 1	Green	D1
2	Signal From Row 2	Brown	D2
3	Signal From Row 3	Blue	D3
4	Signal From Row 4	Orange	D4
5	Signal From Row 5	Yellow	D5
6	Signal From Row 6	Violet	D6
7	Signal From Row 7	Gray	D7
8	Signal From Row 8	Pink	D8
9	Signal From Row 9	Tan	D9
10	Signal From Row 10	White/Blk	D10
11	Signal From Row 11	Red/Blk	D11
12	Signal From Row 12	Green/Blk	D12
13	Signal From Row 13	Orange/Blk	F5
14	Signal From Row 14	Blue/Blk	F6
15	Signal From Row 15	Black/White	F7
16	Signal From Row 16	Red/White	F8
17	Signal From Row 17	Green/White	F1
18	Signal From Row 18	Blue/White	F2
19	Signal From Row 19	Black/White	H1
20	Signal From Row 20	White/Red	H2
21	Signal From Row 21	Orange/Red	H3
22	Signal From Row 22	Blue/Red	H4
23	Signal From Row 23	Red/Grn	H5
24	Signal From Row 24	Orange/Grn	H6
25	Signal From Row 25	Blk/Wht/Red	H7
26	Signal From Row 26	Grn/Blk/Wht	H8
27	Left Power	Red	F9
28	Left Ground	Black	F10
29	Right Power	Red	J9
30	Right Ground	Black	J10
31	Signal From Row 27	Org/Blk/Wht	H9
32	Signal From Row 28	Blu/Blk/Wht	H10
33	Signal From Row 29	Blk/Red/Grn	H11
34	Signal From Row 30	Wht/Red/Grn	H12
35-37	Not Used		

B - Smart Connector OutPut			
37 Pin AMP Plug			
206151-2			
Pin	Function	Color	To
1	Signal Out Row 1	Green	E1
2	Signal Out Row 2	Brown	E2
3	Signal Out Row 3	Blue	E3
4	Signal Out Row 4	Orange	E4
5	Signal Out Row 5	Yellow	E5
6	Signal Out Row 6	Violet	E6
7	Signal Out Row 7	Gray	E7
8	Signal Out Row 8	Pink	E8
9	Signal Out Row 9	Tan	E9
10	Signal Out Row 10	White/Blk	E10
11	Signal Out Row 11	Red/Blk	E11
12	Signal Out Row 12	Green/Blk	E12
13	Signal Out Row 13	Orange/Blk	E5
14	Signal Out Row 14	Blue/Blk	E6
15	Signal Out Row 15	Black/White	E7
16	Signal Out Row 16	Red/White	E8
17	Signal Out Row 17	Green/White	E1
18	Signal Out Row 18	Blue/White	E2
19	Signal Out Row 19	Black/White	G1
20	Signal Out Row 20	White/Red	G2
21	Signal Out Row 21	Orange/Red	G3
22	Signal Out Row 22	Blue/Red	G4
23	Signal Out Row 23	Red/Grn	G5
24	Signal Out Row 24	Orange/Grn	G6
25	Signal Out Row 25	Blk/Wht/Red	G7
26	Signal Out Row 26	Grn/Blk/Wht	G8
27	Left Power	Red	E9
28	Left Ground	Black	E10
29	Right Power	Red	I9
30	Right Ground	Black	I10
31	Signal Out Row 27	Org/Blk/Wht	G9
32	Signal Out Row 28	Blu/Blk/Wht	G10
33	Signal Out Row 29	Blk/Red/Grn	G11
34	Signal Out Row 30	Wht/Red/Grn	G12
35-37	Not Used		

Part #

725401

Part GP left wing and center harness

C - GP Planter Harness			
12 Pin Deutsch Grey Plug			
DTM06-12SA			
Pin	Function	Color	To
1	Signal Out Row 1	Green	B1
2	Signal Out Row 2	Brown	B2
3	Signal Out Row 3	Blue	B3
4	Signal Out Row 4	Orange	B4
5	Signal Out Row 5	Yellow	B5
6	Signal Out Row 6	Violet	B6
7	Signal Out Row 7	Gray	B7
8	Signal Out Row 8	Pink	B8
9	Signal Out Row 9	Tan	B9
10	Signal Out Row 10	White/Blk	B10
11	Signal Out Row 11	Red/Blk	B11
12	Signal Out Row 12	Green/Blk	B12

D - GP Planter Harness			
12 Pin Deutsch Grey Receptacle			
DTM04-12PA			
Pin	Function	Color	To
1	Signal From Row 1	Green	A1
2	Signal From Row 2	Brown	A2
3	Signal From Row 3	Blue	A3
4	Signal From Row 4	Orange	A4
5	Signal From Row 5	Yellow	A5
6	Signal From Row 6	Violet	A6
7	Signal From Row 7	Gray	A7
8	Signal From Row 8	Pink	A8
9	Signal From Row 9	Tan	A9
10	Signal From Row 10	White/Blk	A10
11	Signal From Row 11	Red/Blk	A11
12	Signal From Row 12	Green/Blk	A12

Part #

725401

Part

GP left wing and center harness

E - GP Planter Harness
12 Pin Deutsch Black Plug
DTM06-12SA

Pin	Function	Color	To
1	Signal Out Row 17	Green/White	B17
2	Signal Out Row 18	Blue/White	B19
3,4	Not Used	—	
5	Signal Out Row 13	Orange/Blk	B13
6	Signal Out Row 14	Blue/Blk	B14
7	Signal Out Row 15	Black/White	B15
8	Signal Out Row 16	Red/White	B16
9	Left B27	Red	B27
10	Left B28	Black	B28
11,12	Not Used	—	

F - GP Planter Harness
12 Pin Deutsch Black Receptacle
DTM04-12PA

Pin	Function	Color	To
1	Signal From Row 17	Green/White	A17
2	Signal From Row 18	Blue/White	A19
3,4	Not Used	—	
5	Signal From Row 13	Orange/Blk	A13
6	Signal From Row 14	Blue/Blk	A14
7	Signal From Row 15	Black/White	A15
8	Signal From Row 16	Red/White	A16
9	Left A27	Red	A27
10	Left A28	Black	A28
11,12	Not Used	—	

G - GP Planter Harness
12 Pin Deutsch Grey Plug
DTM06-12SA

Pin	Function	Color	To
1	Signal Out Row 19	Black/White	B19
2	Signal Out Row 20	White/Red	B20
3	Signal Out Row 21	Orange/Red	B21
4	Signal Out Row 22	Blue/Red	B22
5	Signal Out Row 23	Red/Grn	B23
6	Signal Out Row 24	Orange/Grn	B24
7	Signal Out Row 25	Blk/Wht/R	B25
8	Signal Out Row 26	Grn/Blk/Wht	B26
9	Signal Out Row 27	Org/Blk/Wht	B31
10	Signal Out Row 28	Blu/Blk/Wht	B32
11	Signal Out Row 29	Blk/Red/Grn	B33
12	Signal Out Row 30	Wht/Red/Grn	B34

H - GP Planter Harness
12 Pin Deutsch Grey Receptacle
DTM04-12PA

Pin	Function	Color	To
1	Signal In Row 19	Black/White	A19
2	Signal In Row 20	White/Red	A20
3	Signal In Row 21	Orange/Red	A21
4	Signal In Row 22	Blue/Red	A22
5	Signal In Row 23	Red/Grn	A23
6	Signal In Row 24	Orange/Grn	A24
7	Signal In Row 25	Blk/Wht/Red	A25
8	Signal In Row 26	Grn/Blk/Wht	A26
9	Signal In Row 27	Org/Blk/Wht	A31
10	Signal In Row 28	Blu/Blk/Wht	A32
11	Signal In Row 29	Blk/Red/Grn	A33
12	Signal In Row 30	Wht/Red/Grn	A34

E - GP Planter Harness
12 Pin Deutsch Black Plug
DTM06-12SA

Pin	Function	Color	To
1-8	Not Used		
9	Right Power	Red	B29
10	Right Ground	Black	B30
11-12	Not Used		

F - GP Planter Harness
12 Pin Deutsch Black Receptacle
DTM04-12PA

Pin	Function	Color	To
1-8	Not Used		
9	Right Power	Red	A29
10	Right Ground	Black	A30
11-12	Not Used		

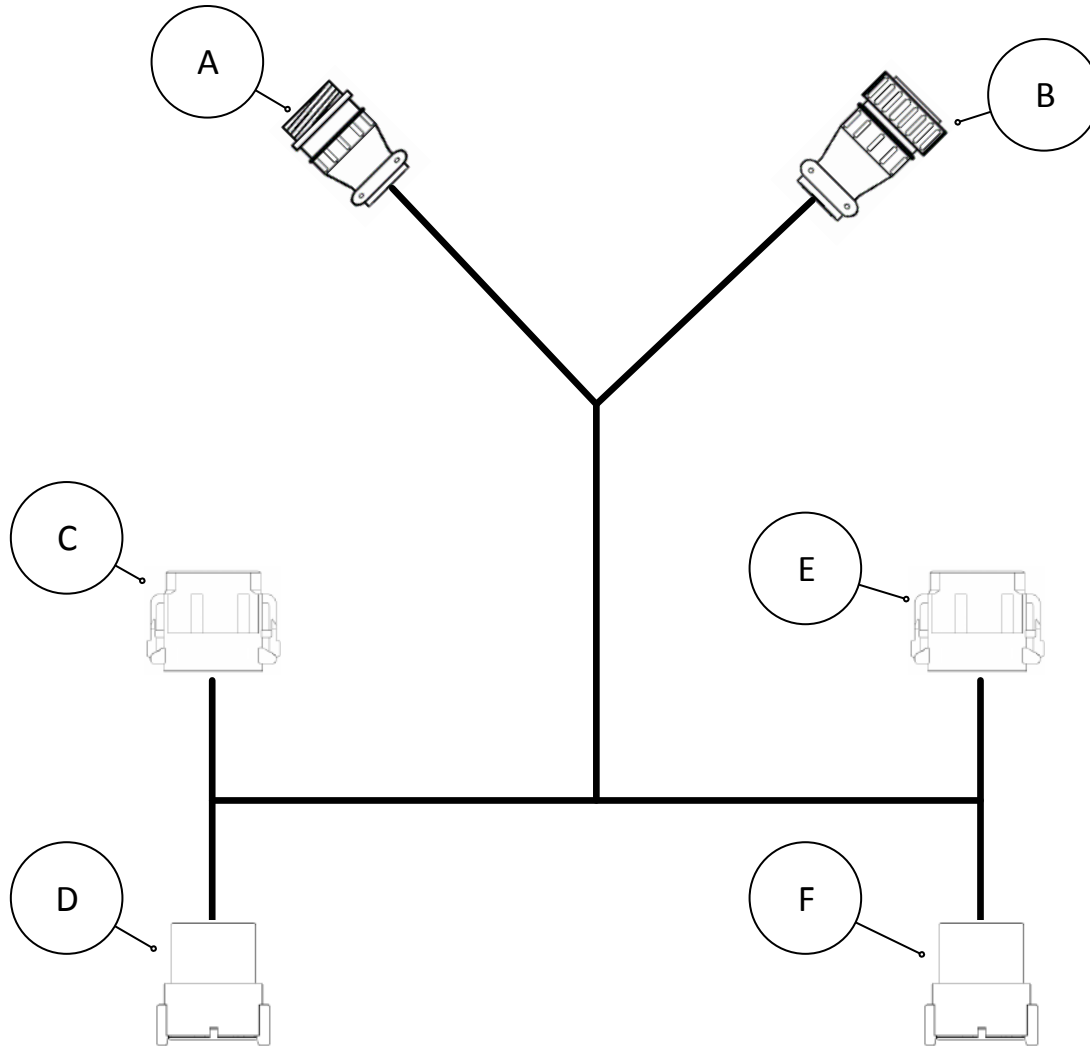
Go To 725XXX

Part #

725402

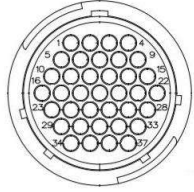
Part

GP right wing harness

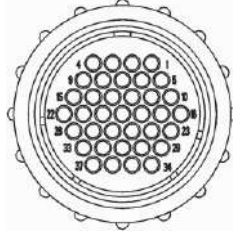


Part # 725402

Part GP right wing harness



VIEW A



VIEW B

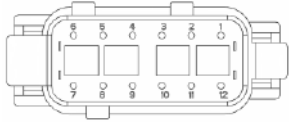
A - Smart Connector Input		
37 Pin AMP Receptacle		
206150-1		

B - Smart Connector OutPut		
37 Pin AMP Plug		
206151-2		

Pin	Function	To
1	Signal Out Row 1	D1
2	Signal Out Row 2	D2
3	Signal Out Row 3	D3
4	Signal Out Row 4	D4
5	Signal Out Row 5	D5
6	Signal Out Row 6	D6
7	Signal Out Row 7	D7
8	Signal Out Row 8	D8
9	Signal Out Row 9	D9
10	Signal Out Row 10	D10
11	Signal Out Row 11	D11
12	Signal Out Row 12	D12
13	Signal Out Row 13	F5
14	Signal Out Row 14	F6
15	Signal Out Row 15	F7
16	Signal Out Row 16	F8
17	Signal Out Row 17	F1
18	Signal Out Row 18	F2
19-26	Not Used	—
27	Left Power	E9
28	Left Ground	E10
29-37	Not Used	—

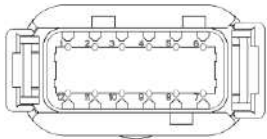
Pin	Function	To
1	Signal Out Row 1	C1
2	Signal Out Row 2	C2
3	Signal Out Row 3	C3
4	Signal Out Row 4	C4
5	Signal Out Row 5	C5
6	Signal Out Row 6	C6
7	Signal Out Row 7	C7
8	Signal Out Row 8	C8
9	Signal Out Row 9	C9
10	Signal Out Row 10	C10
11	Signal Out Row 11	C11
12	Signal Out Row 12	C12
13	Signal Out Row 13	E5
14	Signal Out Row 14	E6
15	Signal Out Row 15	E7
16	Signal Out Row 16	E8
17	Signal Out Row 17	E1
18	Signal Out Row 18	E2
19-26	Not Used	—
27	Power	E9
28	Ground	E10
29-37	Not Used	—

Go To 725XXX



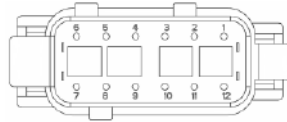
VIEW C

C - GP Planter Harness		
12 Pin Deutsch Grey Plug		
DTM06-12SA		
Pin	Function	To
1	Signal In Row 17	B17
2	Signal In Row 18	B18
3,4	Not Used	—
5	Signal In Row 13	B13
6	Signal In Row 14	B14
7	Signal In Row 15	B15
8	Signal In Row 16	B16
9	Power	B27
10	Ground	B28
11,12	Not Used	-



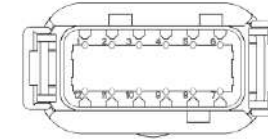
VIEW D

D - GP Planter Harness		
12 Pin Deutsch Grey Receptacle		
DTM04-12PA		
Pin	Function	To
1	Seed Sensor Row 17	A17
2	Seed Sensor Row 18	A18
3,4	Not Used	—
5	Seed Sensor Row 13	A13
6	Seed Sensor Row 14	A14
7	Seed Sensor Row 15	A15
8	Seed Sensor Row 16	A16
9	Power	A27
10	Ground	A28
11,12	Not Used	-



VIEW E

E - GP Planter Harness		
12 Pin Deutsch Black Plug		
DTM06-12SA		
Pin	Function	To
1	Seed Sensor Row 1	A1
2	Seed Sensor Row 2	A2
3	Seed Sensor Row 3	A3
4	Seed Sensor Row 4	A4
5	Seed Sensor Row 5	A5
6	Seed Sensor Row 6	A6
7	Seed Sensor Row 7	A7
8	Seed Sensor Row 8	A8
9	Seed Sensor Row 9	A9
10	Seed Sensor Row 10	A10
11	Seed Sensor Row 11	A11
12	Seed Sensor Row 12	A12



VIEW F

F - GP Planter Harness		
12 Pin Deutsch Black Receptacle		
DTM04-12PA		
Pin	Function	To
1	Signal In Row 1	B1
2	Signal In Row 2	B2
3	Signal In Row 3	B3
4	Signal In Row 4	B4
5	Signal In Row 5	B5
6	Signal In Row 6	B6
7	Signal In Row 7	B7
8	Signal In Row 8	B8
9	Signal In Row 9	B9
10	Signal In Row 10	B10
11	Signal In Row 11	B11
12	Signal In Row 12	B12

Part #

725402

Part

GP right wing harness

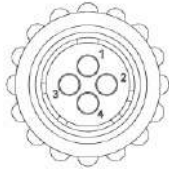
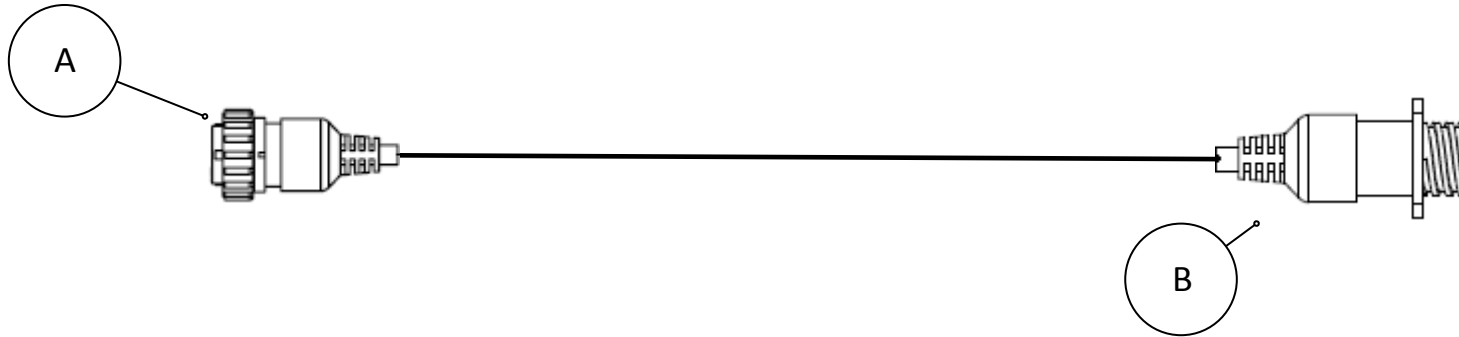
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Part #

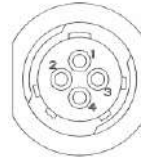
725468

Part

4 Pin Extension



VIEW A



VIEW B

A - Harness Extension

4 Pin AMP Plug

206060-1

Pin	Function	Color	To
1	Ground	-	-
2	RS485+	-	B2, C2
3	RS485-	-	B3, C2
4	12V Power	-	B4

B - Harness Extension

4 Pin AMP Receptacle

206153-1

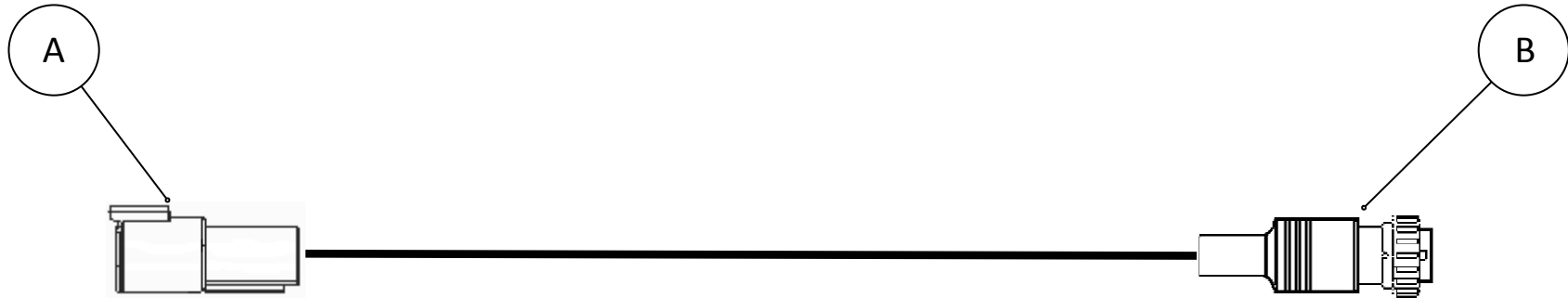
Pin	Function	Color	To
1	Ground	-	-
2	RS485+	-	B2, C2
3	RS485-	-	B3, C2
4	12V Power	-	B4

Part #

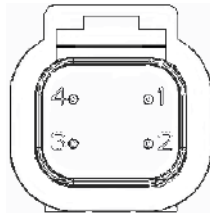
725440

Part

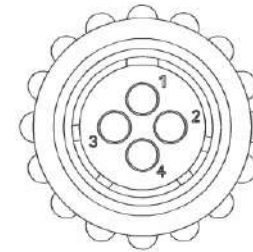
4 Pin Square to 4 Pin Round Adapter



View A



View B



A - Channel B from 725206			
4 Pin Deutsch Receptacle			
DT04-4P			
Pin	Function	Color	To
1	Ground	Black	A1, B3, D1
2	RS485+	White/Black	A10
3	RS485-	White/Black	A9
4	12V Ign	Red	A16, B1, D4

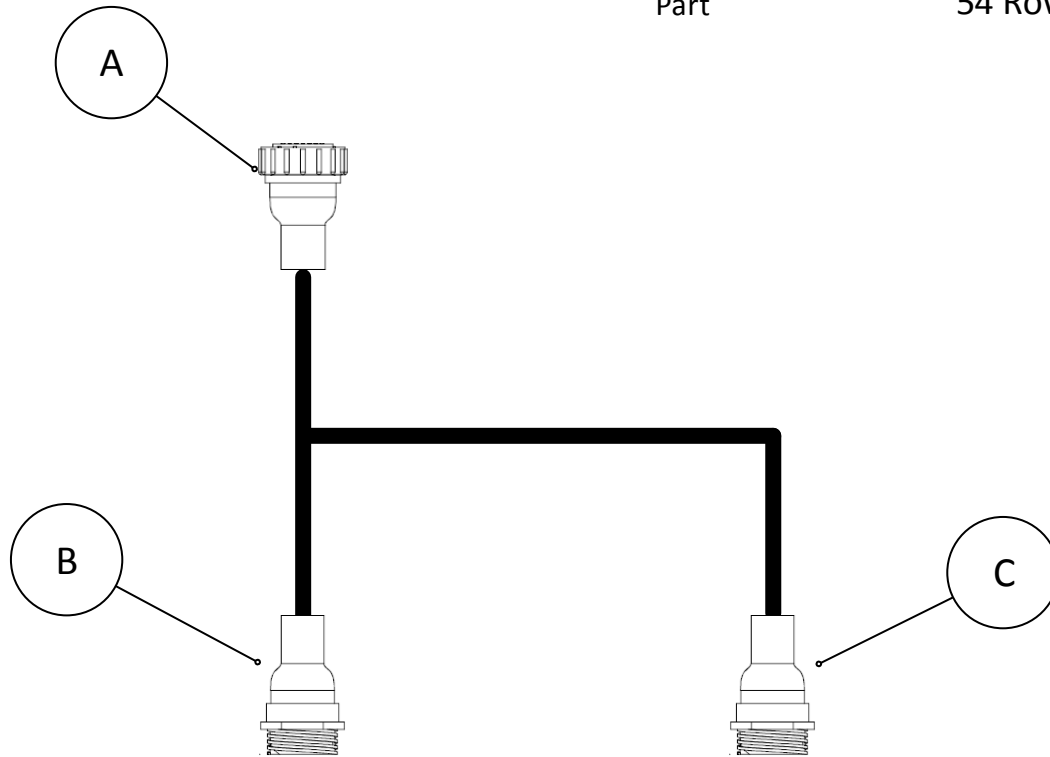
B - Channel B to AirForce			
4 Pin AMP Plug			
AMP4 I3730			
Pin	Function	Color	To
1	Ground	Black	A1, B3, E1
2	RS485+	Red/Black	A8
3	RS485-	Red/Black	A7
4	12V Ign	Red	A16, B1, E4

Part #

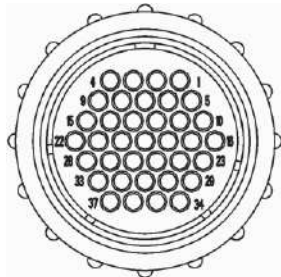
725454

Part

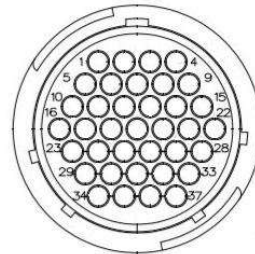
54 Row DB Receiver



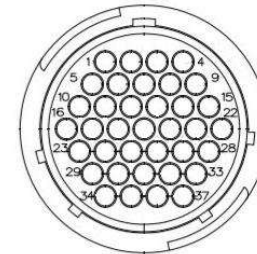
View A



View B



View C



A - Smart Connector Input

37 Pin AMP Receptacle

206150-1

Pin	Function	To
1	Signal In Row 23	B1
2	Signal In Row 24	B2
3	Signal In Row 25	B3
4	Signal In Row 26	B4
5	Signal In Row 27	B5
6	Signal In Row 28	B6
7	Signal In Row 29	B7
8	Signal In Row 30	B8
9	Signal In Row 31	B9
10	Signal In Row 32	B10
11	Signal In Row 33	C1
12	Signal In Row 34	C2
13	Signal In Row 35	C3
14	Signal In Row 36	C4
15	Signal In Row 37	C5
16	Signal In Row 38	C6
17	Signal In Row 39	C7
18	Signal In Row 40	C8
19	Signal In Row 41	C9
20	Signal In Row 42	C10
21	Signal In Row 43	C11
22	Signal In Row 44	C12
23	Signal In Row 45	C13
24	Signal In Row 46	C14
25	Signal In Row 47	C15
26	Signal In Row 48	C16
27	Left Power	B24, B25
28	Left Ground	B26, B27
29	Right Power	C24, C25
30	Right Ground	C26, C27
31	Signal In Row 49	C17
32	Signal In Row 50	C18
33	Signal In Row 51	C19
34	Signal In Row 52	C20
35	Signal In Row 53	C21
36	Signal In Row 54	C22
37	-- --	

Part #

725454

Part

54 Row DB Receiver

B - Planter Harness 1

37 Pin AMP Plug

206151-2

Pin	Function	To
1	Seed Sensor Row 23	A1
2	Seed Sensor Row 24	A2
3	Seed Sensor Row 25	A3
4	Seed Sensor Row 26	A4
5	Seed Sensor Row 27	A5
6	Seed Sensor Row 28	A6
7	Seed Sensor Row 29	A7
8	Seed Sensor Row 30	A8
9	Seed Sensor Row 31	A9
10	Seed Sensor Row 32	A10
11-23	Not Used	
24	Left Power	A27
25	Right Power	A28
26	Left Ground	A27
27	Right Ground	A28
28-37	Not Used	

C - Planter Harness 2

37 Pin AMP Plug

206151-2

Pin	Function	To
1	Seed Sensor Row 33	A11
2	Seed Sensor Row 34	A12
3	Seed Sensor Row 35	A13
4	Seed Sensor Row 36	A14
5	Seed Sensor Row 37	A15
6	Seed Sensor Row 38	A16
7	Seed Sensor Row 39	A17
8	Seed Sensor Row 40	A18
9	Seed Sensor Row 41	A19
10	Seed Sensor Row 42	A20
11	Seed Sensor Row 43	A21
12	Seed Sensor Row 44	A22
13	Seed Sensor Row 45	A23
14	Seed Sensor Row 46	A24
15	Seed Sensor Row 47	A25
16	Seed Sensor Row 48	A26
17	Seed Sensor Row 49	A31
18	Seed Sensor Row 50	A32
19	Seed Sensor Row 51	A33
20	Seed Sensor Row 52	A34
21	Seed Sensor Row 53	A35
22	Seed Sensor Row 54	A36
23	Not Used	
24	Left Power	A29
25	Right Power	A30
26	Right Power	A29
27	Right Ground	A30
28-37	Not Used	

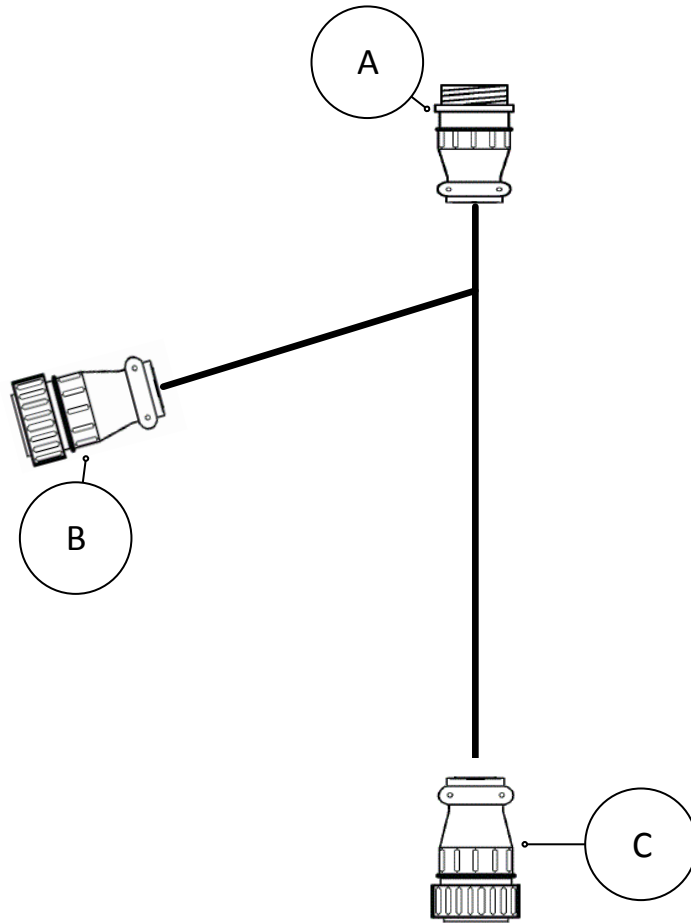
Go To 725XXX

Part #

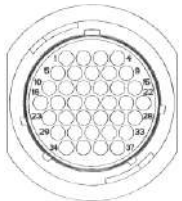
725455

Part

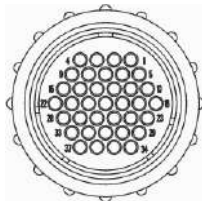
54 row DB sender harness



VIEW A



VIEW B&C



A - Smart Connector Output

37 Pin AMP Plug

206151-2

Pin	Function	To
1	Signal Out Row 23	B1
2	Signal Out Row 24	B2
3	Signal Out Row 25	B3
4	Signal Out Row 26	B4
5	Signal Out Row 27	B5
6	Signal Out Row 28	B6
7	Signal Out Row 29	B7
8	Signal Out Row 30	B8
9	Signal Out Row 31	B9
10	Signal Out Row 32	B10
11	Signal Out Row 33	C1
12	Signal Out Row 34	C2
13	Signal Out Row 35	C3
14	Signal Out Row 36	C4
15	Signal Out Row 37	C5
16	Signal Out Row 38	C6
17	Signal Out Row 39	C7
18	Signal Out Row 40	C8
19	Signal Out Row 41	C9
20	Signal Out Row 42	C10
21	Signal Out Row 43	C11
22	Signal Out Row 44	C12
23	Signal Out Row 45	C13
24	Signal Out Row 46	C14
25	Signal Out Row 47	C15
26	Signal Out Row 48	C16
27	Not Used	--
28	Left Ground	B26, B27
29	Not Used	--
30	Right Ground	C26, C27
31	Signal Out Row 49	C17
32	Signal Out Row 50	C18
33	Signal Out Row 51	C19
34	Signal Out Row 52	C20
35	Signal Out Row 53	C21
36	Signal Out Row 54	C22
37	-- --	

Part #

725455

Part

54 Row DB Sender Harness

C - Planter Harness 2

37 Pin AMP Receptacle

206150-1

Pin	Function	To
1	Seed Sensor Row 33	A11
2	Seed Sensor Row 34	A12
3	Seed Sensor Row 35	A13
4	Seed Sensor Row 36	A14
5	Seed Sensor Row 37	A15
6	Seed Sensor Row 38	A16
7	Seed Sensor Row 39	A17
8	Seed Sensor Row 40	A18
9	Seed Sensor Row 41	A19
10	Seed Sensor Row 42	A20
11	Seed Sensor Row 43	A21
12	Seed Sensor Row 44	A22
13	Seed Sensor Row 45	A23
14	Seed Sensor Row 46	A24
15	Seed Sensor Row 47	A25
16	Seed Sensor Row 48	A26
17	Seed Sensor Row 49	A31
18	Seed Sensor Row 50	A32
19	Seed Sensor Row 51	A33
20	Seed Sensor Row 52	A34
21	Seed Sensor Row 53	A35
22	Seed Sensor Row 54	A36
23	Not Used	
24	Not Used	A29
25	Not Used	A30
26	Left Ground	A29
27	Right Ground	A30
28-37	Not Used	

B - Planter Harness 1

37 Pin AMP Receptacle

206150-1

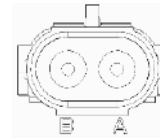
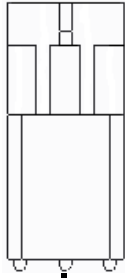
Pin	Function	To
1	Seed Sensor Row 23	A1
2	Seed Sensor Row 24	A2
3	Seed Sensor Row 25	A3
4	Seed Sensor Row 26	A4
5	Seed Sensor Row 27	A5
6	Seed Sensor Row 28	A6
7	Seed Sensor Row 29	A7
8	Seed Sensor Row 30	A8
9	Seed Sensor Row 31	A9
10	Seed Sensor Row 32	A10
11-23	Not Used	
24	Not Used	A27
25	Not Used	A28
26	Left Ground	A27
27	Right Ground	A28
28-37	Not Used	

Part #

725457

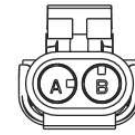
Part

2 Pin 12v Power Splitter



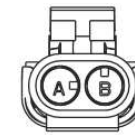
VIEW A

A- Power Input			
2 Pin Weatherpack Receptacle			
12015793			
Pin	Function	Color	To
A	Power	Red	BA,CA
B	Ground	Black	BB,CB



VIEW B

B- Power Output			
2 Pin Weatherpack Plug			
12015792			
Pin	Function	Color	From
A	Power	Red	AA
B	Ground	Black	AB



VIEW C

C- Power Output			
2 Pin Weatherpack Plug			
12015792			
Pin	Function	Color	From
A	Power	Red	AA
B	Ground	Black	AB

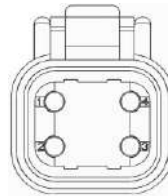
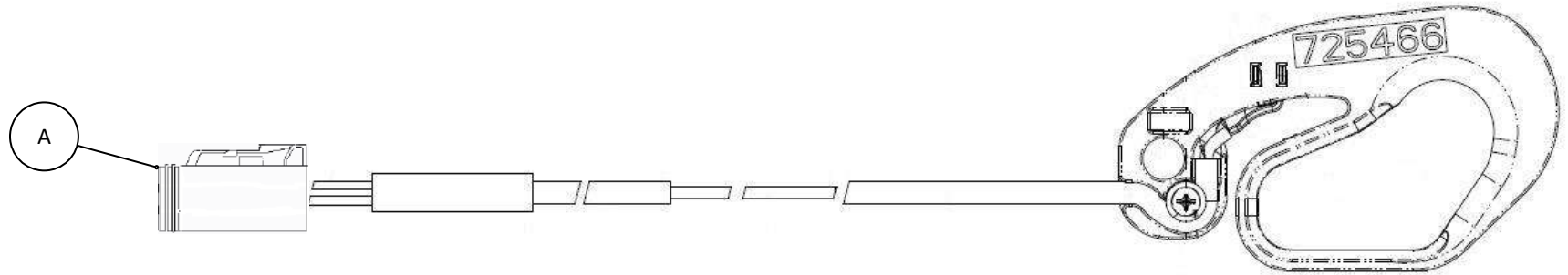


Part #

725466

Part

Kinze 3000



VIEW A

A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

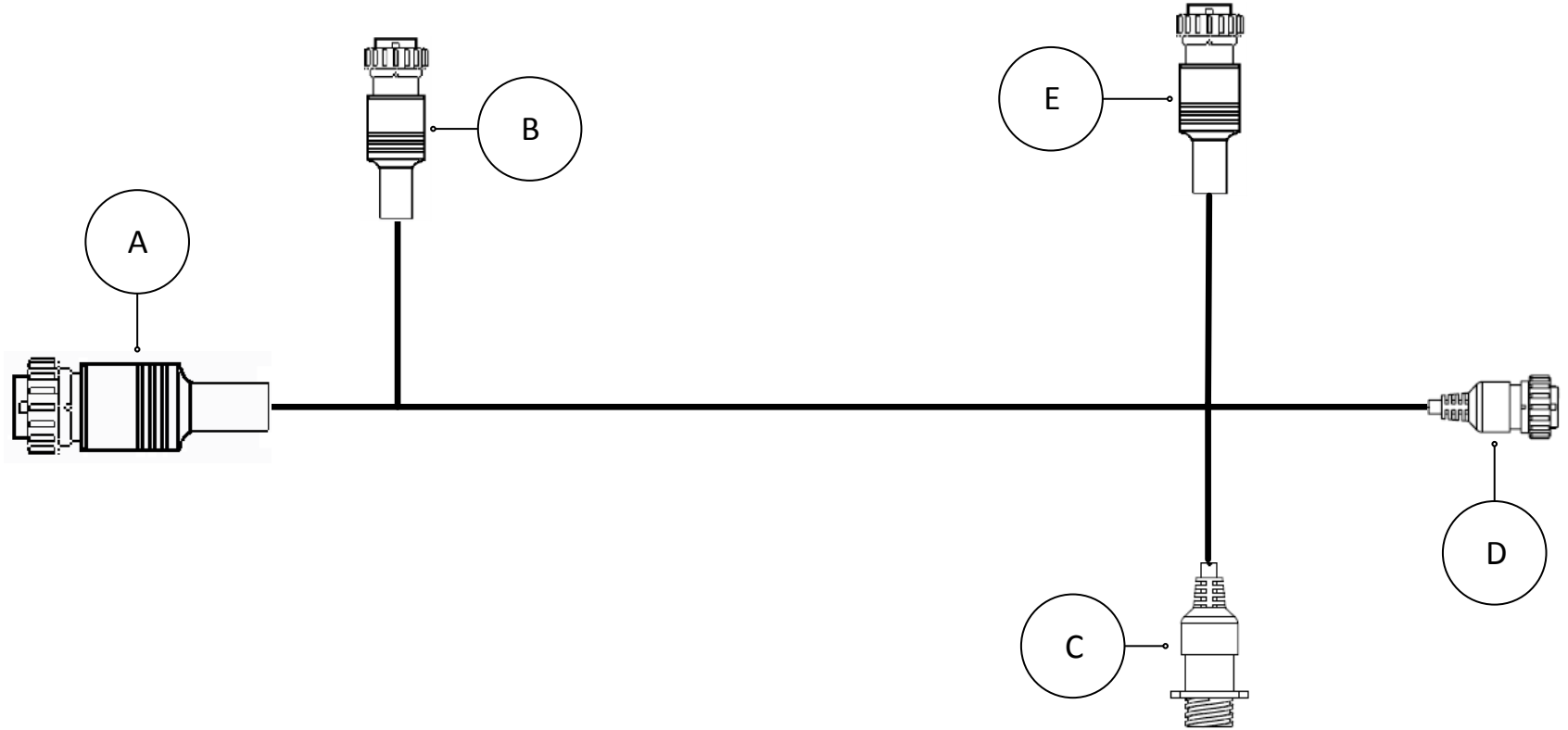
Go To 725XXX

Part #

725499

Part

Universal Tractor Harness

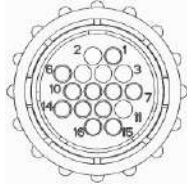


Part #

725499

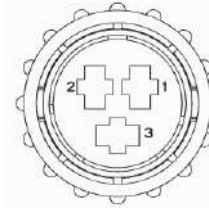
Part

Universal Tractor Harness



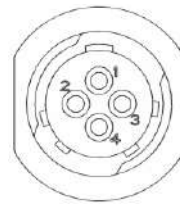
VIEW A

A - Display Unit			
16 Pin AMP Plug			
206037-1			
Pin	Function	Color	To
1	Main Ground	Black	B3, D1 &
2	-	-	-
3	485 Shield	Drain Wire	-
4	-	-	-
5	-	-	-
6	12V Battery	White	B2
7	485 (-) Channel A	Black (Red/Black) Pair 1	D3
8	485 (+) Channel A	Red (Red/Black) Pair 1	D2
9	485 (-) Channel B	Black (White/Black) Pair 2	E3
10	485 (+) Channel B	White (White/Black) Pair 2	E2
11	-	-	-
12	GPS Ground/Shield	Black (Red/Black) Pair 1	C1
13	RX From GPS	White (White/Black) Pair 2	C2
14	TX to GPS	Black (White/Black) Pair 2	C3
15	GPS 5V	Red (Red/Black) Pair 1	C4
16	12V Ignition	Red	B1, D4 &



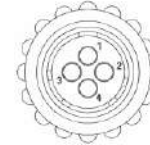
VIEW B

B - Power			
3 Pin AMP Plug			
206037-2			
Pin	Function	Color	From
1	12V Ignition	Red	A16
2	12V Battery	White	A6
3	Ground	Black	A16



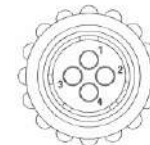
VIEW C

C - GPS			
4 Pin AMP Receptacle			
206153-1			
Pin	Function	Color	From
1	GPS Ground/ Shield	Black (Red/Black) Pair 1	A12
2	RX From GPS	White	A13
3	TX From GPS	Black (White/Black) Pair 2	A14
4	GPS 5V	Red (Red/Black) Pair 1	A15



VIEW D

D - Channel A			
4 Pin AMP Plug			
206060-1			
Pin	Function	Color	From
1	Main Ground	Black	A1
2	485 (+) Channel A	Red	A8
3	485 (-) Channel A	Black	A7
4	12 V Ignition	Red	A16



VIEW E

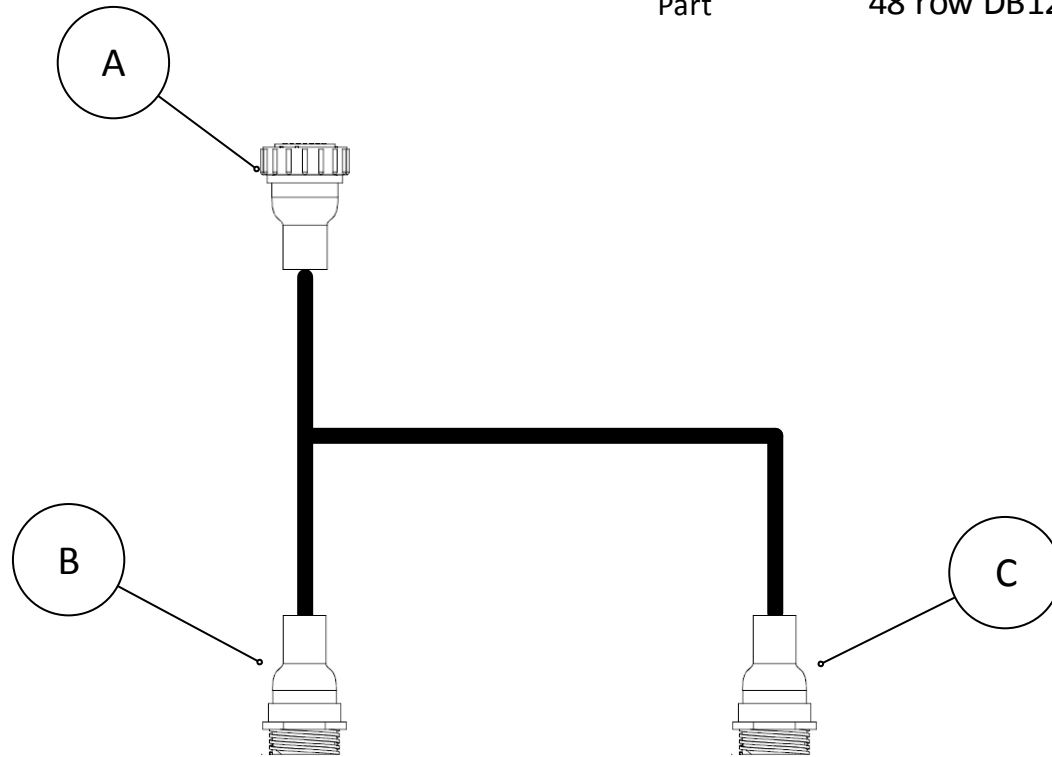
E - Channel B			
4 Pin AMP Plug			
206060-1			
Pin	Function	Color	From
1	Main Ground	Black	A1
2	485 (+) Channel A	Red	A10
3	485 (-) Channel A	Black	A9
4	12 V Ignition	Red	A16

Part #

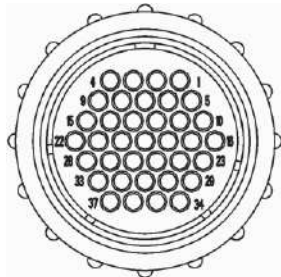
725555

Part

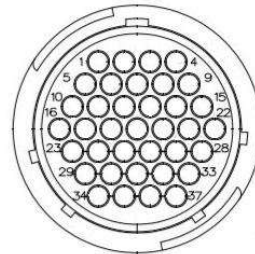
48 row DB120 Receiver Harness



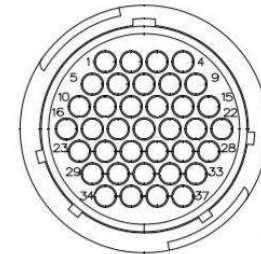
View A



View B



View C



A - Smart Connector Input		
37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Row 22 Signal In	B1
2	Row 23 Signal In	B2
3	Row 24 Signal In	B3
4	Row 25 Signal In	B4
5	Row 26 Signal In	B5
6	Row 27 Signal In	B6
7	Row 28 Signal In	C1
8	Row 29 Signal In	C2
9	Row 30 Signal In	C3
10	Row 31 Signal In	C4
11	Row 32 Signal In	C5
12	Row 33 Signal In	C6
13	Row 34 Signal In	C7
14	Row 35 Signal In	C8
15	Row 36 Signal In	C9
16	Row 37 Signal In	C10
17	Row 38 Signal In	C11
18	Row 39 Signal In	C12
19	Row 40 Signal In	C13
20	Row 41 Signal In	C14
21	Row 42 Signal In	C15
22	Row 43 Signal In	C16
23	Row 44 Signal In	C17
24	Row 45 Signal In	C18
25	Row 46 Signal In	C19
26	Row 47 Signal In	C20
27	Left Power	B24,B25
28	Left Ground	B26,B27
29	Right Power	C24,C25
30	Right Ground	C26,C27
31	Row 48 Signal In	C21
32-37	Not Used —	0

Part #

725555

Part

48 row DB120 Receiver Harness

B - Planter Harness 1		
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Row 22 Seed Sensor	A1
2	Row 23 Seed Sensor	A2
3	Row 24 Seed Sensor	A3
4	Row 25 Seed Sensor	A4
5	Row 26 Seed Sensor	A5
6	Row 27 Seed Sensor	A6
7-23	Not Used	—
24	Left Power	A27
25	Right Power	A27
26	Left Ground	A28
27	Right Ground	A28
28-37	Not Used	—

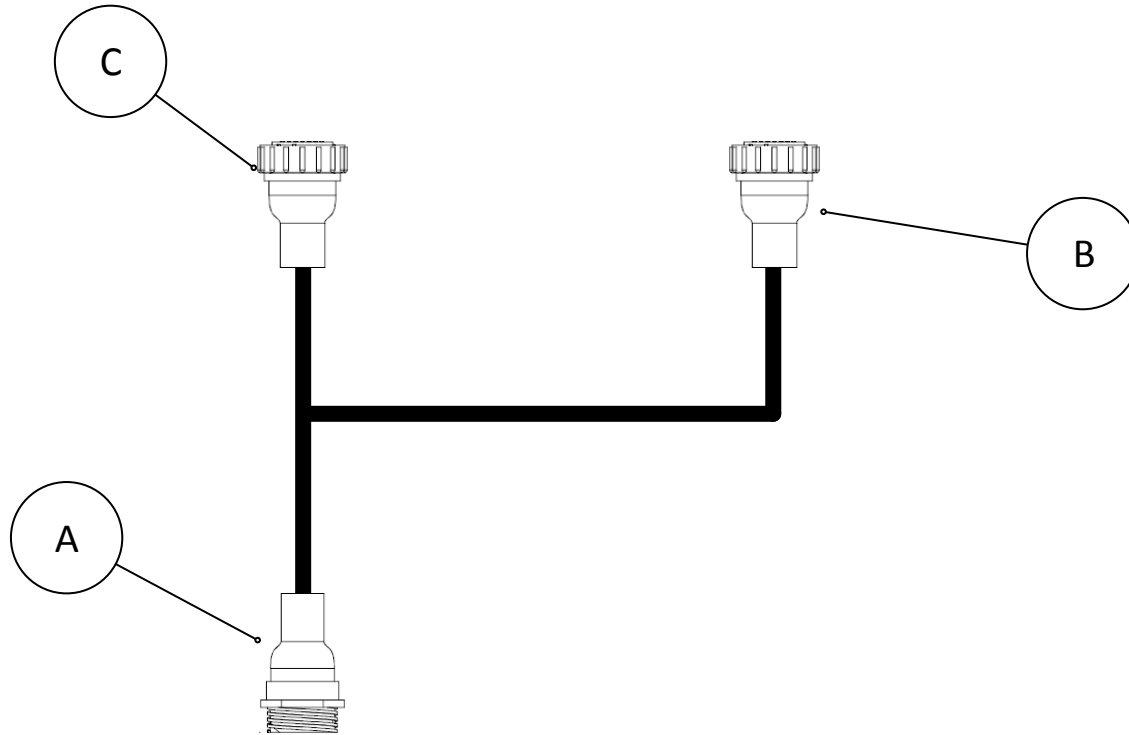
C - Planter Harness 2		
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Row 28 Seed Sensor	A7
2	Row 29 Seed Sensor	A8
3	Row 30 Seed Sensor	A9
4	Row 31 Seed Sensor	A10
5	Row 32 Seed Sensor	A11
6	Row 33 Seed Sensor	A12
7	Row 34 Seed Sensor	A13
8	Row 35 Seed Sensor	A14
9	Row 36 Seed Sensor	A15
10	Row 37 Seed Sensor	A16
11	Row 38 Seed Sensor	A17
12	Row 39 Seed Sensor	A18
13	Row 40 Seed Sensor	A19
14	Row 41 Seed Sensor	A20
15	Row 42 Seed Sensor	A21
16	Row 43 Seed Sensor	A22
17	Row 44 Seed Sensor	A23
18	Row 45 Seed Sensor	A24
19	Row 46 Seed Sensor	A25
20	Row 47 Seed Sensor	A26
21	Row 48 Seed Sensor	A27
22-23	Not Used	0
24	Left Power	
25	Right Power	0
26	Left Ground	0
27	Left Ground	0
28-37	Not Used	0

Part #

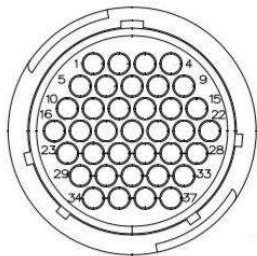
725556

Part

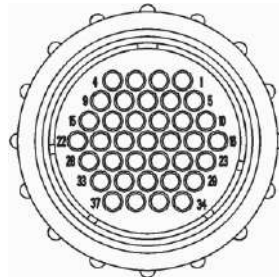
48 row DB120 Sender Harness



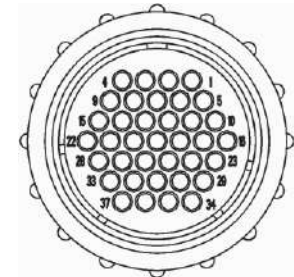
View A



View B



View C



Part #

725556

Part

48 row DB120 Sender Harness

A - Smart Connector Output		
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Signal Out Row 22	B1
2	Signal Out Row 23	B2
3	Signal Out Row 24	B3
4	Signal Out Row 25	B4
5	Signal Out Row 26	B5
6	Signal Out Row 27	B6
7	Signal Out Row 28	C1
8	Signal Out Row 29	C2
9	Signal Out Row 30	C3
10	Signal Out Row 31	C4
11	Signal Out Row 32	C5
12	Signal Out Row 33	C6
13	Signal Out Row 34	C7
14	Signal Out Row 35	C8
15	Signal Out Row 36	C9
16	Signal Out Row 37	C10
17	Signal Out Row 38	C11
18	Signal Out Row 39	C12
19	Signal Out Row 40	C13
20	Signal Out Row 41	C14
21	Signal Out Row 42	C15
22	Signal Out Row 43	C16
23	Signal Out Row 44	C17
24	Signal Out Row 45	C18
25	Signal Out Row 46	C19
26	Signal Out Row 47	C20
27	Left Power	B24,C25
28	Left Ground	B26, B27
29	Right Power	C24,C25
30	Right Ground	C26, C27
31	Signal Out Row 48	C21
32-37	Not Used	--

B - Planter Harness 1		
37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Seed Sensor Row 22	A1
2	Seed Sensor Row 23	A2
3	Seed Sensor Row 24	A3
4	Seed Sensor Row 25	A4
5	Seed Sensor Row 26	A5
6	Seed Sensor Row 27	A6
7-23	Not Used	--
24	Left Power	A27
25	Right Power	A27
26	Left Ground	A28
27	Right Ground	A28
28-37	Not Used	--

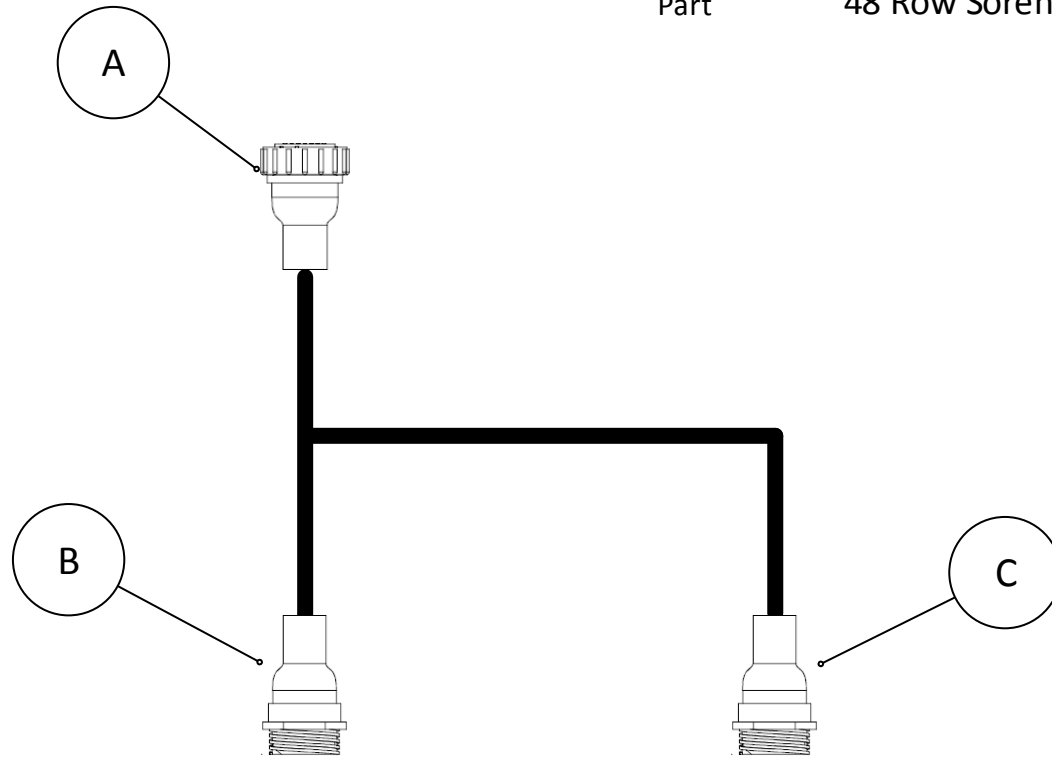
C - Planter Harness 2		
37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Row 28 Seed Sensor	A7
2	Row 29 Seed Sensor	A8
3	Row 30 Seed Sensor	A9
4	Row 31 Seed Sensor	A10
5	Row 32 Seed Sensor	A11
6	Row 33 Seed Sensor	A12
7	Row 34 Seed Sensor	A13
8	Row 35 Seed Sensor	A14
9	Row 36 Seed Sensor	A15
10	Row 37 Seed Sensor	A16
11	Row 38 Seed Sensor	A17
12	Row 39 Seed Sensor	A18
13	Row 40 Seed Sensor	A19
14	Row 41 Seed Sensor	A20
15	Row 42 Seed Sensor	A21
16	Row 43 Seed Sensor	A22
17	Row 44 Seed Sensor	A23
18	Row 45 Seed Sensor	A24
19	Row 46 Seed Sensor	A25
20	Row 47 Seed Sensor	A26
21	Row 48 Seed Sensor	A27
22-23	Not Used	--
24	Left Power	A29
25	Right Power	A29
26	Left Ground	A30
27	Right Ground	A30
28-37	Not Used	--

Part #

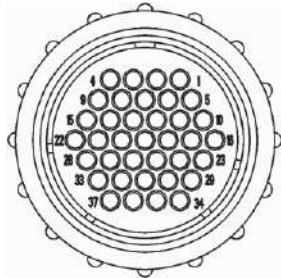
725557

Part

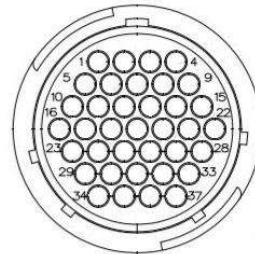
48 Row Sorenson Receiver Harness



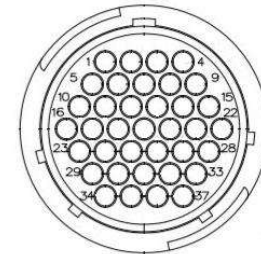
View A



View B



View C



A - Smart Connector Input

37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Row 19 Signal In	B1
2	Row 20 Signal In	B2
3	Row 21 Signal In	B3
4	Row 22 Signal In	B4
5	Row 23 Signal In	B5
6	Row 24 Signal In	B6
7	Row 25 Signal In	B7
8	Row 26 Signal In	B8
9	Row 27 Signal In	B9
10	Row 28 Signal In	B10
11	Row 29 Signal In	B11
12	Row 30 Signal In	B12
13	Row 31 Signal In	C1
14	Row 32 Signal In	C2
15	Row 33 Signal In	C3
16	Row 34 Signal In	C4
17	Row 35 Signal In	C5
18	Row 36 Signal In	C6
19	Row 37 Signal In	C7
20	Row 38 Signal In	C8
21	Row 39 Signal In	C9
22	Row 40 Signal In	C10
23	Row 41 Signal In	C11
24	Row 42 Signal In	C12
25	Row 43 Signal In	C13
26	Row 44 Signal In	C14
27	Left Power	B24,B25
28	Left Ground	B26,B27
29	Right Power	C24,C25
30	Right Ground	C26,C27
31	Row 45 Signal In	C15
32	Row 46 Signal In	C16
33	Row 47 Signal In	C17
34	Row 48 Signal In	C18
35-37	Not Used	--

Part #

725557

Part

48 Row Sorenson Receiver Harness

B - Planter Harness 1

37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Row 19 Seed Sensor	A1
2	Row 20 Seed Sensor	A2
3	Row 21 Seed Sensor	A3
4	Row 22 Seed Sensor	A4
5	Row 23 Seed Sensor	A5
6	Row 24 Seed Sensor	A6
7	Row 25 Seed Sensor	A7
8	Row 26 Seed Sensor	A8
9	Row 27 Seed Sensor	A9
10	Row 28 Seed Sensor	A10
11	Row 29 Seed Sensor	A11
12	Row 30 Seed Sensor	A12
13-23	Not Used	0
24	Left Power	A27
25	Right Power	A27
26	Left Ground	A28
27	Right Ground	A28
28-37	Not Used	0

C - Planter Harness 2

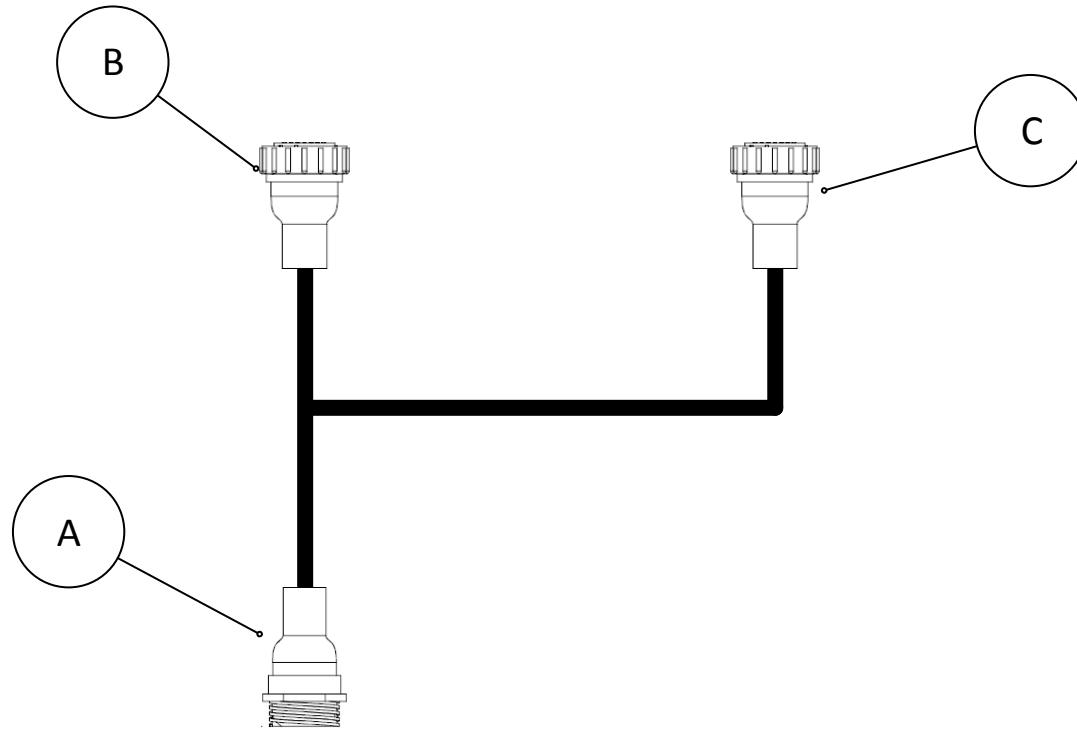
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Row 31 Seed Sensor	A13
2	Row 32 Seed Sensor	A14
3	Row 33 Seed Sensor	A15
4	Row 34 Seed Sensor	A16
5	Row 35 Seed Sensor	A17
6	Row 36 Seed Sensor	A18
7	Row 37 Seed Sensor	A19
8	Row 38 Seed Sensor	A20
9	Row 39 Seed Sensor	A21
10	Row 40 Seed Sensor	A22
11	Row 41 Seed Sensor	A23
12	Row 42 Seed Sensor	A24
13	Row 43 Seed Sensor	A25
14	Row 44 Seed Sensor	A26
15	Row 45 Seed Sensor	A31
16	Row 46 Seed Sensor	A32
17	Row 47 Seed Sensor	A33
18	Row 48 Seed Sensor	A34
19-23	Not Used	--
24	Left Power	A29
25	Right Power	A29
26	Left Ground	A30
27	Right Ground	A30
28-37	Not Used	--

Part #

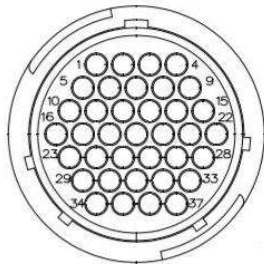
725558

Part

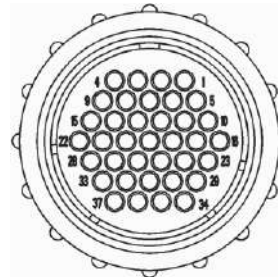
48 Row Sorenson Receiver Harness



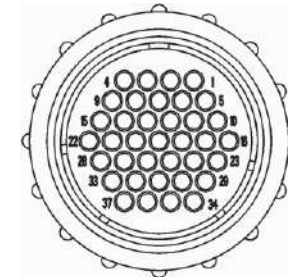
View A



View B



View C



A - Smart Connector Output		
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	Row 19 Signal Out	B1
2	Row 20 Signal Out	B2
3	Row 21 Signal Out	B3
4	Row 22 Signal Out	B4
5	Row 23 Signal Out	B5
6	Row 24 Signal Out	B6
7	Row 25 Signal Out	B7
8	Row 26 Signal Out	B8
9	Row 27 Signal Out	B9
10	Row 28 Signal Out	B10
11	Row 29 Signal Out	B11
12	Row 30 Signal Out	B12
13	Row 31 Signal Out	C1
14	Row 32 Signal Out	C2
15	Row 33 Signal Out	C3
16	Row 34 Signal Out	C4
17	Row 35 Signal Out	C5
18	Row 36 Signal Out	C6
19	Row 37 Signal Out	C7
20	Row 38 Signal Out	C8
21	Row 39 Signal Out	C9
22	Row 40 Signal Out	C10
23	Row 41 Signal Out	C11
24	Row 42 Signal Out	C12
25	Row 43 Signal Out	C13
26	Row 44 Signal Out	C14
27	Left Power	B24,B25
28	Left Ground	B26,B27
29	Right Power	C24,C27
30	Right Ground	C26,C27
31	Row 45 Signal Out	C15
32	Row 46 Signal Out	C16
33	Row 47 Signal Out	C17
34	Row 48 Signal Out	C18
35-37	Not Used	--

Part #

725558

Part

48 Row Sorenson Receiver Harness

B - Planter Harness 1		
37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Row 19 Seed Sensor	A1
2	Row 20 Seed Sensor	A2
3	Row 21 Seed Sensor	A3
4	Row 22 Seed Sensor	A4
5	Row 23 Seed Sensor	A5
6	Row 24 Seed Sensor	A6
7	Row 25 Seed Sensor	A7
8	Row 26 Seed Sensor	A8
9	Row 27 Seed Sensor	A9
10	Row 28 Seed Sensor	A10
11	Row 29 Seed Sensor	A11
12	Row 30 Seed Sensor	A12
13-23	Not Used	-
24	Left Power	A27
25	Right Power	A27
26	Left Ground	A28
27	Right Ground	A28
28-37	Not Used	-

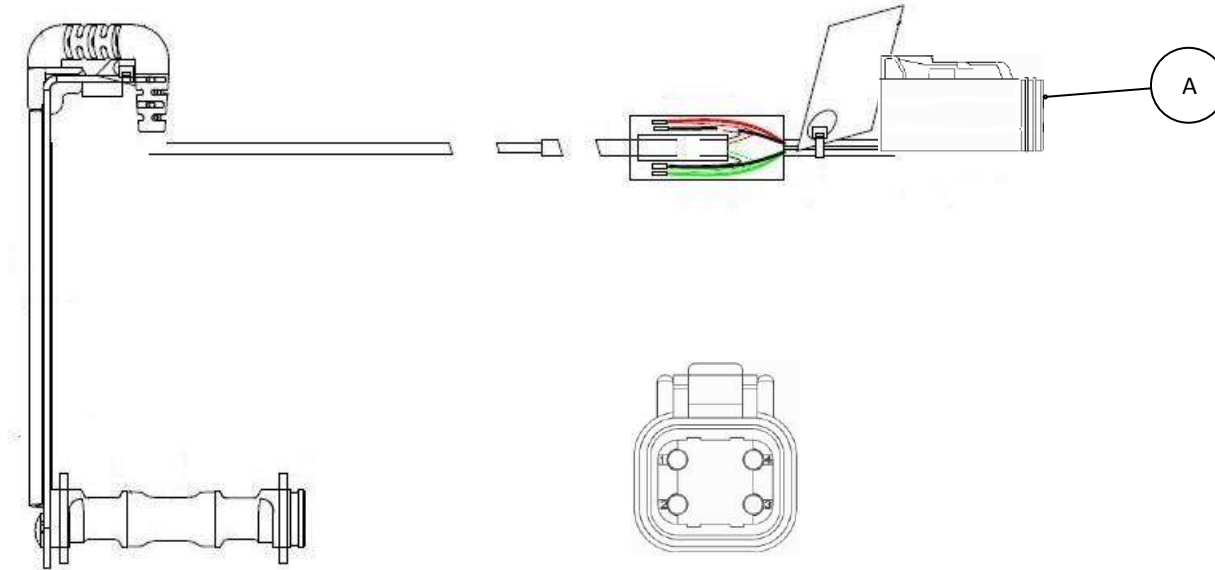
C - Planter Harness 2		
37 Pin AMP Receptacle		
206150-1		
Pin	Function	To
1	Row 31 Seed Sensor	A13
2	Row 32 Seed Sensor	A14
3	Row 33 Seed Sensor	A15
4	Row 34 Seed Sensor	A16
5	Row 35 Seed Sensor	A17
6	Row 36 Seed Sensor	A18
7	Row 37 Seed Sensor	A19
8	Row 38 Seed Sensor	A20
9	Row 39 Seed Sensor	A21
10	Row 40 Seed Sensor	A22
11	Row 41 Seed Sensor	A23
12	Row 42 Seed Sensor	A24
13	Row 43 Seed Sensor	A25
14	Row 44 Seed Sensor	A26
15	Row 45 Seed Sensor	A31
16	Row 46 Seed Sensor	A32
17	Row 47 Seed Sensor	A33
18	Row 48 Seed Sensor	A34
19-23	Not Used	-
24	Left Power	A29
25	Right Power	A29
26	Left Ground	A30
27	Right Ground	A30
28-37	Not Used	--

Part #

725580

Part

5/8 Pin 7200/17xx



VIEW A

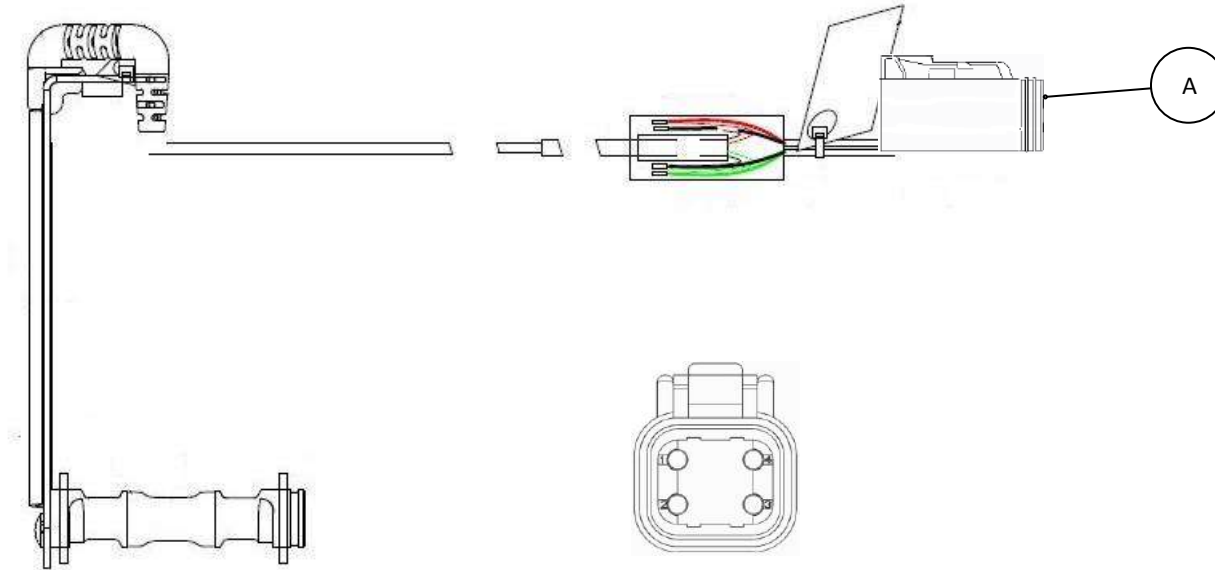
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

Part #

725581

Part

½ Pin JD 7000/ KZ 2000



VIEW A

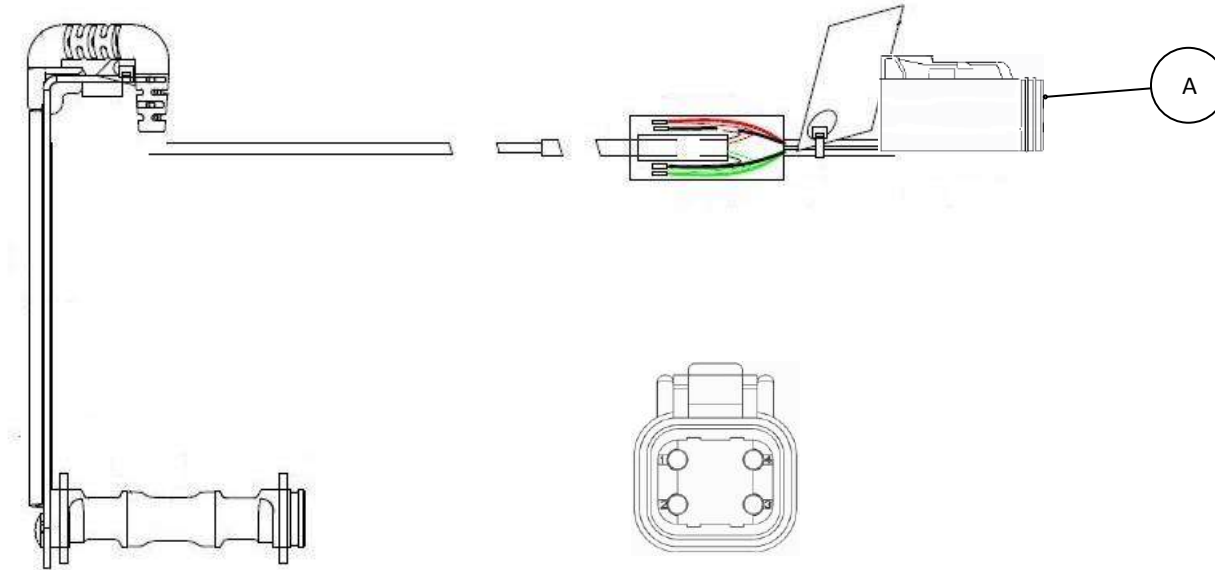
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

Part #

725582

Part

5/8 Great Plains



VIEW A

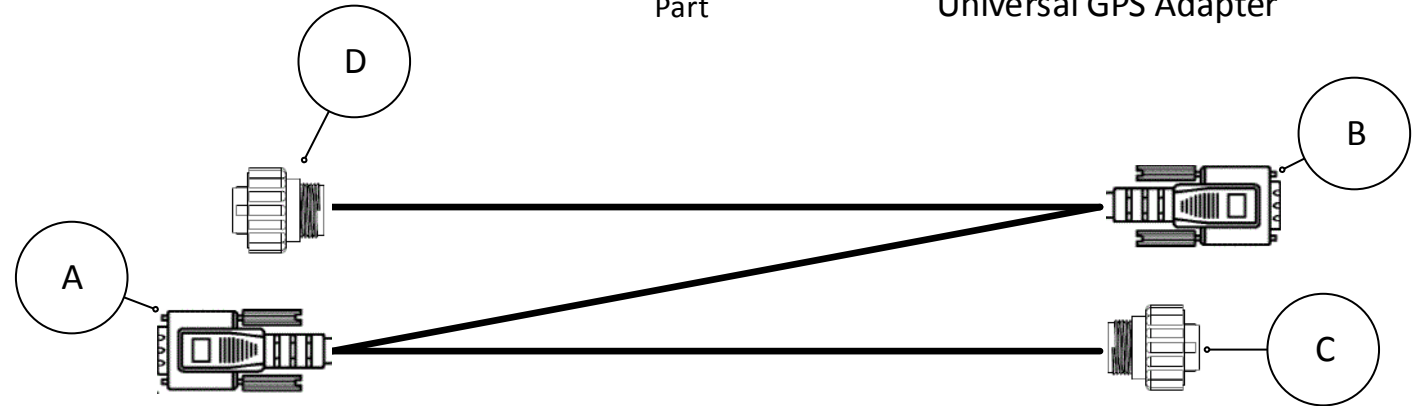
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

Part #

725599

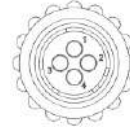
Part

Universal GPS Adapter



VIEW A & B

A - Serial			
9 Circuit D89 Female			
TE 205204-9			
Pin	Function	Color	To
1	Not Used	-	-
2	RX	-	B2,C3
3	TX	-	B3,C2
4	DTR	-	B4
5	Ground	-	B5,C1
6	DSR	-	B6



VIEW C & D

C - GPS Standard			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Ground	-	A5
2	GPS TX	-	A3
3	GPS RX	-	A2
4	Not Used	-	-

B - Serial			
9 Circuit D89 Male			
TE 205203-8			
Pin	Function	Color	To
1	Not Used	-	-
2	RX (Null Modem)	-	D2
3	TX (Null Modem)	-	D3
4	DTR	-	A4
5	Ground	-	D1
6	DSR	-	A6

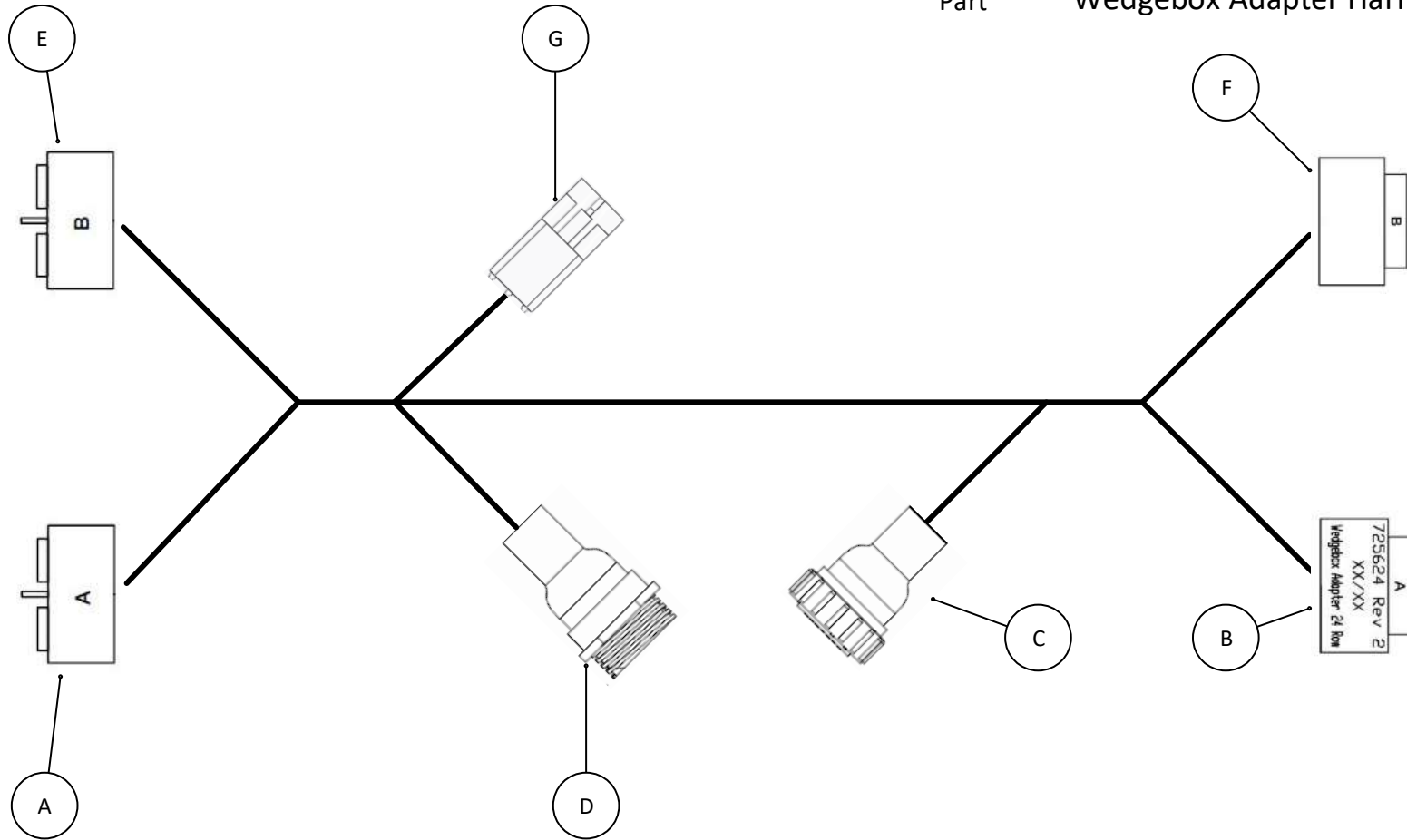
D - GPS Null Modem			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Ground	-	B5
2	GPS TX	-	B2
3	GPS RX	-	B3
4	Not Used	-	-

Part #

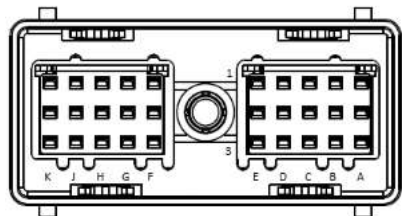
725624

Part

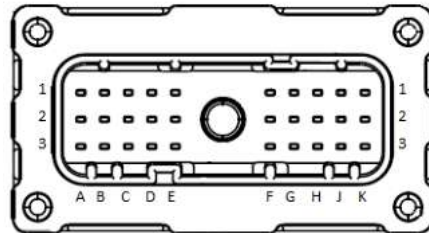
Wedgebox Adapter Harness 17-24 Rows



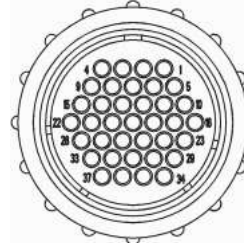
VIEW A,E



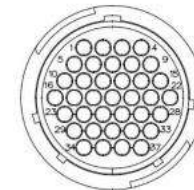
VIEW B,F



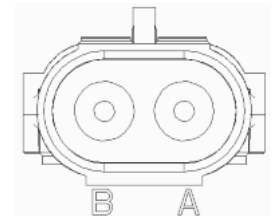
VIEW C



VIEW D



VIEW G



A - Cinch Connection to WedgeBox (A)			
30 Pin Cinch Plug			
581013030			
Pin	Function	Color	To
A1	MOD DECODE	NA	D1, A/A1, A/K1
A2	ANLG SNSR PWR +8V	NA	D/27
A3	ANLG SNSR GND	NA	D/28
B1	CAN PWR +12V/RPM1	NA	B/B1
B2	ECU PWR	NA	G/A
B3	ECU GND	NA	G/B
C1		NA	B/C1
C2	CAN LOW	NA	B/C2
C3	CAN HIGH	NA	B/C3
D1	VAC 1 SIG	NA	B/D1
D2	VAC 2 SIG	NA	B/D2
D3	FERT PRESS SIG	NA	B/D3
E1	ROW 16 OUT	NA	D/16
E2	RPM 2 SIG	NA	B/E2
E3	HOPPER LEVEL SNR	NA	B/E3
F1	ROW 13 OUT D	NA	D/13
F2	ROW 14 OUT	NA	D/14
F3	ROW 15 OUT	NA	D/15
G1	ROW 10 OUT	NA	D/10
G2	ROW 11 OUT	NA	D/11
G3	ROW 12 OUT	NA	D/12
H1	ROW 7 OUT	NA	D/7
H2	ROW 8 OUT	NA	D/8
H3	ROW 9 OUT	NA	D/9
J1	ROW 4 OUT	NA	D/4
J2	ROW 5 OUT	NA	D/5
J3	ROW 6 OUT	NA	D/6
K1	ROW 1 OUT	NA	D1, A/A1, A/K1
K2	ROW 2 OUT	NA	D/2
K3	ROW 2 OUT	NA	D/3

B - Cinch Connection to JD Harness (A)			
30 Pin Cinch Receptacle			
581016012			
Pin	Function	Color	To
A2	ANLG SNSR PWR +8V	NA	C/27
A3	ANLG SNSR GND	NA	C/28
B1	ECU PWR +12V	NA	A/B1
B2	PWR +12 V	NA	A/B2, G/A
B3	GND	NA	A/B3, G/B
C1		NA	A/C1
C2	CAN LOW	NA	A/C2
C3	CAN HIGH	NA	A/C3
D1	VAC 1 SIG	NA	A/D1
D2	VAC 2 SIG	NA	A/D2
D3	FERT PRESS SIG	NA	A/D3
E1	ROW 16 IN	NA	C/16
E2	RPM 2 SIG	NA	A/E2
E3	HOPPER LEVEL SNR	NA	A/E3
F1	ROW 13 IN	NA	C/13
F2	ROW 14 IN	NA	C/14
F3	ROW 15 IN	NA	C/15
G1	ROW 10 IN	NA	C/10
G2	ROW 11 IN	NA	C/11
G3	ROW 12 IN	NA	C/12
H1	ROW 7 IN	NA	C/7
H2	ROW 8 IN	NA	C/8
H3	ROW 9 IN	NA	C/9
J1	ROW 4 IN	NA	C/4
J2	ROW 5 IN	NA	C/5
J3	ROW 6 IN	NA	C/6
K1	ROW 1 IN	NA	C/1
K2	ROW 2 IN	NA	C/2
K3	ROW 3 IN	NA	C/3

C - 37 Pin to Smart Connector Input			
37 Pin AMP Receptacle			
206150-1			
Pin	Function	Color	To
1	ROW 1 IN	NA	B/K1
2	ROW 2 IN	NA	B/K2
3	ROW 3 IN	NA	B/K3
4	ROW 4 IN	NA	B/J1
5	ROW 5 IN	NA	B/J2
6	ROW 6 IN	NA	B/J3
7	ROW 7 IN	NA	B/H1
8	ROW 8 IN	NA	B/H2
9	ROW 9 IN	NA	B/H3
10	ROW 10 IN	NA	B/G1
11	ROW 11 IN	NA	B/G2
12	ROW 12 IN	NA	B/G3
13	ROW 13 IN	NA	B/F1
14	ROW 14 IN	NA	B/F2
15	ROW 15 IN	NA	B/F3
16	ROW 16 IN	NA	B/E1
17	ROW 17 IN	NA	F/S2
18	ROW 18 IN	NA	F/R2
19	ROW 19 IN	NA	F/S3
20	ROW 20 IN	NA	F/P3
21	ROW 21 IN	NA	F/R1
22	ROW 22 IN	NA	F/R3
23	ROW 23 IN	NA	F/P1
24	ROW 24 IN	NA	F/P2
27	ANLG SNSR PWR +8V	NA	B/A2
28	ANLG SNSR GND	NA	B/A3

Part #

725624

Part

Wedgebox Adapter Harness 17-24 Rows

VIEW E

VIEW F

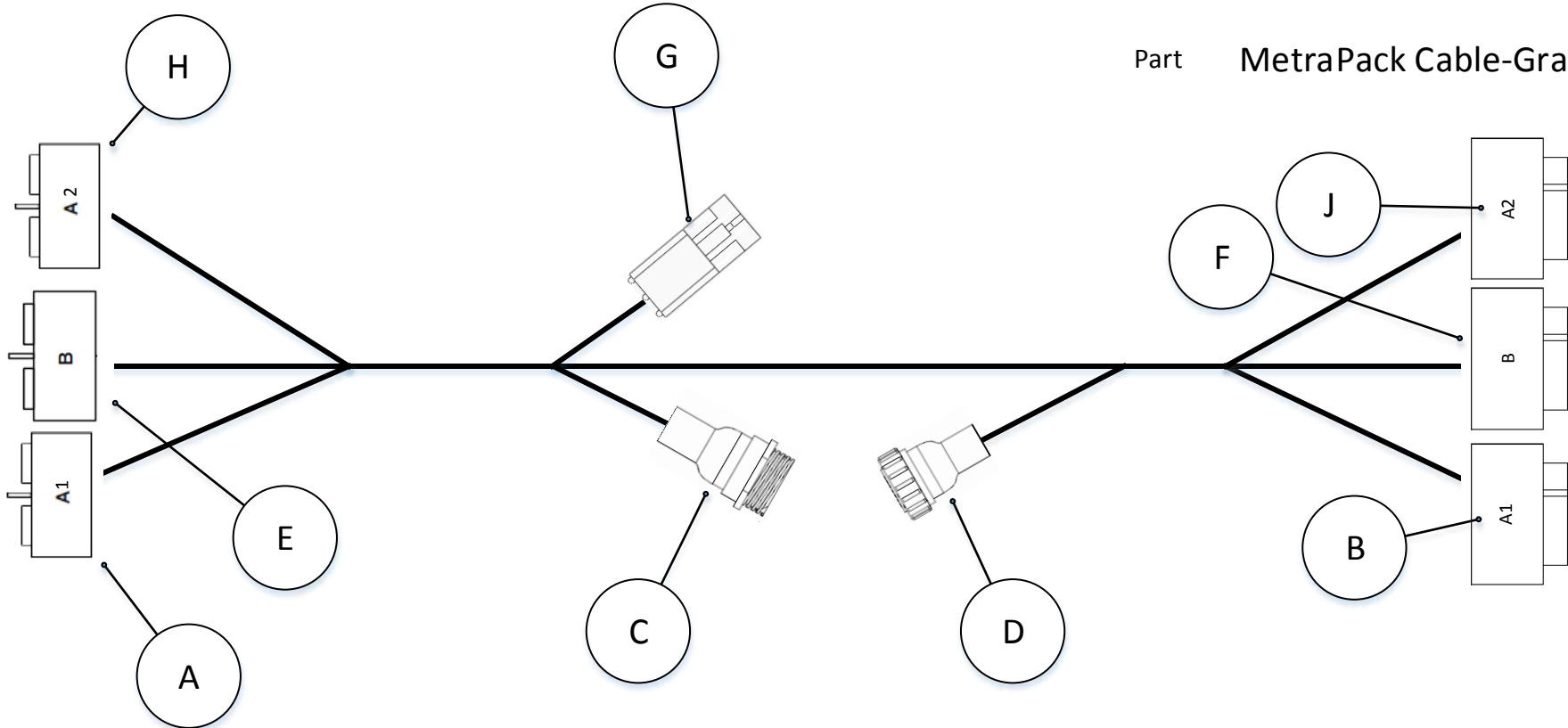
D - 37 Pin to Smart Connector Input			
37 Pin AMP Plug			
206151-2			
Pin	Function	Color	To
1	ROW 1 OUT	NA	A/A1, A/K1
2	ROW 2 OUT	NA	A/K2
3	ROW 3 OUT	NA	A/K3
4	ROW 4 OUT	NA	A/J1
5	ROW 5 OUT	NA	A/J2
6	ROW 6 OUT	NA	A/J3
7	ROW 7 OUT	NA	A/H1
8	ROW 8 OUT	NA	A/H2
9	ROW 9 OUT	NA	A/H3
10	ROW 10 OUT	NA	A/G1
11	ROW 11 OUT	NA	A/G2
12	ROW 12 OUT	NA	A/G3
13	ROW 13 OUT	NA	A/F1
14	ROW 14 OUT	NA	A/F2
15	ROW 15 OUT	NA	A/F3
16	ROW 16 OUT	NA	A/E1
17	ROW 17 OUT	NA	E/S2
18	ROW 18 OUT	NA	E/R2
19	ROW 19 OUT	NA	E/S3
20	ROW 20 OUT	NA	E/P3
21	ROW 21 OUT	NA	E/R1
22	ROW 22 OUT	NA	E/R3
23	ROW 23 OUT	NA	E/P1
24	ROW 24 OUT	NA	E/P2
G - 2 Pin 12V+ for Pre Universal Tractor Harness			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	12V+	NA	B/B2, A/M2
B	Ground	NA	B/B3, A/M3

E - Cinch Connection to WedgeBox (B)			
30 Pin Cinch Plug			
581013031			
Pin	Function	Color	To
L1	HEIGHT SIG F	NA	F/L1
L2	NOT USED F	NA	F/L2
L3	NOT USED F	NA	F/L3
M1	MOTION SIG F	NA	F/M1
M2	RT DSCNT F	NA	F/M2
M3	HEIGHT PWR F	NA	F/M3
N1		NA	F/N1
N2		NA	F/N2
N3	HEIGHT GND F	NA	F/N3
P1	ROW 23 OUT D	NA	D/23
P2	ROW 24 OUT D	NA	D/25
P3	ROW 20 OUT D	NA	D/20
R1	ROW 21 OUT D	NA	D/21
R2	ROW 18 OUT D	NA	D/18
R3	ROW 22 OUT D	NA	D/22
S1	DRIVE 1 PWR F	NA	F/S1
S2	ROW 17 OUT	NA	D/17
S3	ROW 19 OUT	NA	D/19
T1	DRIVE 2 PWR	NA	F/T1
T2		NA	F/T2
T3		NA	F/T3
W1		NA	F/W1
W2	GND	NA	F/W2
W3	NOT USED	NA	F/W3
X1		NA	F/X1
X2	GND	NA	F/X2
X3	NOT USED	NA	F/X3
Y1	PWR +12V	NA	F/Y1
Y2	PWR +12V	NA	F/Y2
Y3	PWR +12V	NA	F/Y3

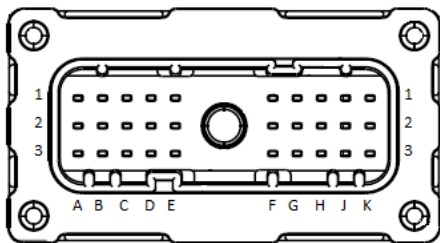
F - Cinch Connection to JD Harness (B)			
30 Pin Cinch Receptacle			
581016012			
Pin	Function	Color	To
L1	HEIGHT SIG	NA	E/L1
L2	NOT USED	NA	E/L2
L3	NOT USED	NA	E/L3
M1	MOTION SIG	NA	E/M1
M2	RT DSCNT	NA	E/M2
M3	HEIGHT PWR	NA	E/M3
N1		NA	E/N1
N2		NA	E/N2
N3	HEIGHT GND	NA	E/N3
P1	ROW 23 IN	NA	C/23
P2	ROW 24 IN	NA	C/25
P3	ROW 20 IN	NA	C/20
R1	ROW 21 IN	NA	C/21
R2	ROW 18 IN	NA	C/18
R3	ROW 22 IN	NA	C/22
S2	ROW 17 IN	NA	C/17
S3	ROW 19 IN	NA	C/19
T1	DRIVE 2 PWR	NA	E/T1
T2		NA	E/T2
T3		NA	E/T3
W1		NA	E/W1
W2	GND	NA	E/W2
W3	NOT USED E	NA	E/W3
X1		NA	E/X1
X2	GND	NA	E/X2
X3	NOT USED	NA	E/X3
Y1	PWR +12V	NA	E/Y1
Y2	PWR +12V	NA	E/Y2
Y3	NOT USED	NA	E/Y3

Part # 725626

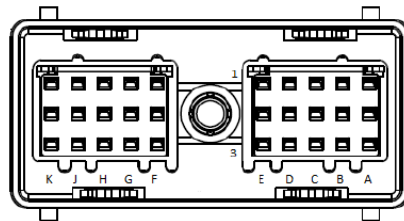
Part MetraPack Cable-Gray



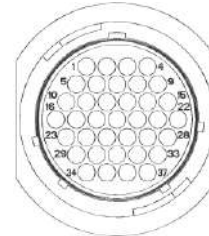
View A,E,H



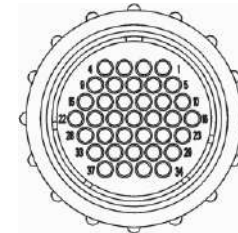
View B,F,J



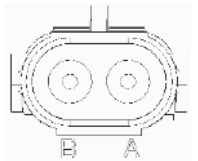
View C



View D



View G



Part MetraPack Cable-Gray

A - Cinch Connection to WedgeBox (A1)

30 Pin Cinch Plug

581013030

Pin	Function	Color	To
A1	MOD DECODE	NA	D1, A/K1
A2	ANLG SNSR PWR +8	NA	D27
A3	ANLG SNSR GN	NA	D28
B1	CAN PWR +12V/RPM1	NA	B/B1
B2	ECU PWR +12V	NA	B/B2
B3	ECU GND	NA	B/B3
C1		NA	B/C1
C2	CAN LOW	NA	B/C2
C3	CAN HIGH	NA	B/C3
D1	VAC 1 SIG	NA	B/D1
D2	VAC 2 SIG	NA	B/D2
D3	FERT PRESS SIG	NA	B/D3
E1	ROW 16 OUT	NA	D16
E2	RPM 2 SIG	NA	B/E2
E3	HOPPER LEVEL SNR	NA	B/E3
F1	ROW 13 OUT	NA	D13
F2	ROW 14 OUT	NA	D14
F3	ROW 15 OUT	NA	D15
G1	ROW 10 OUT	NA	D10
G2	ROW 11 OUT	NA	D11
G3	ROW 12 OUT	NA	D12
H1	ROW 7 OUT	NA	D7
H2	ROW 8 OUT	NA	D8
H3	ROW 9 OUT	NA	D9
J1	ROW 4 OUT	NA	D4
J2	ROW 5 OUT	NA	D5
J3	ROW 6 OUT	NA	D6
K1	ROW 1 OUT	NA	D1, A/A1
K2	ROW 2 OUT	NA	D2
K3	ROW 3 OUT	NA	D3

B - Cinch Connection to JD Harness (A1)

30 Pin Cinch Receptacle

581016012 A-K

Pin	Function	Color	To
A2	ANLG SNSR PWR +8V	NA	C27
A3	ANLG SNSR GND	NA	C28
B1	CAN PWR +12V/RPM1	NA	A/B1
B2	ECU PWR +12V	NA	GA, A/B2
B3	GND	NA	GB, A/B3
C1		NA	A/C1
C2	CAN LOW	NA	A/C2
C3	CAN HIGH	NA	A/C3
D1	VAC 1 SIG	NA	A/D1
D2	VAC 2 SIG	NA	A/D2
D3	FERT PRESS SIG	NA	A/D3
E1	ROW 16 IN	NA	C16
E2	RPM 2 SIG	NA	A/E2
E3	HOPPER LEVEL SNR	NA	A/E3
F1	ROW 13 IN	NA	C13
F2	ROW 14 IN	NA	C14
F3	ROW 15 IN	NA	C15
G1	ROW 10 IN	NA	C10
G2	ROW 11 IN	NA	C11
G3	ROW 12 IN	NA	C12
H1	ROW 7 IN	NA	C7
H2	ROW 8 IN	NA	C8
H3	ROW 9 IN	NA	C9
J1	ROW 4 IN	NA	C4
J2	ROW 5 IN	NA	C5
J3	ROW 6 IN	NA	C6
K1	ROW 1 IN	NA	C1
K2	ROW 2 IN	NA	C2
K3	ROW 3 IN	NA	C3

C - 37 Pin to Smart Connector Input

37 Pin AMP Receptacle

206150-1

Pin	Function	Color	To
1	ROW 1 IN	NA	B/K1
2	ROW 2 IN	NA	B/K2
3	ROW 3 IN	NA	B/K3
4	ROW 4 IN	NA	B/J1
5	ROW 5 IN	NA	B/J2
6	ROW 6 IN	NA	B/J3
7	ROW 7 IN	NA	B/H1
8	ROW 8 IN	NA	B/H2
9	ROW 9 IN	NA	B/H3
10	ROW 10 IN	NA	B/G1
11	ROW 11 IN	NA	B/G2
12	ROW 12 IN	NA	B/G3
13	ROW 13 IN	NA	B/F1
14	ROW 14 IN	NA	B/F2
15	ROW 15 IN	NA	B/F3
16	ROW 16 IN	NA	B/E1
17	ROW 17 IN	NA	F/S2
18	ROW 18 IN	NA	F/R2
19	ROW 19 IN	NA	F/S3
20	ROW 20 IN	NA	F/P3
21	ROW 21 IN	NA	F/R1
22	ROW 22 IN	NA	F/R3
23	ROW 23 IN	NA	F/P1
24	ROW 24 IN	NA	F/P2
25	ROW 25 IN	NA	J/K1
26	ROW 26 IN	NA	J/K2
27	ANLG SNSR PWR +8V	NA	B/A2
28	ANLG SNSR GND	NA	B/A3
29	ANLG PWR +8V	NA	J/A2
30	ANLG SNSR GND	NA	J/A3
31	ROW 27 IN	NA	J/K3
32	ROW 28 IN	NA	J/J1
33	ROW 29 IN	NA	J/J2
34	ROW 30 IN	NA	J/J3
35	ROW 31 IN	NA	J/H1
36	ROW 32 IN	NA	J/H2

D - 37 Pin to Smart Connector Input			
37 Pin AMP Plug			
206151-2			
Pin	Function	Color	To
1	MODE DECODE	NA	A/A1, A/K1
2	ROW 2 OUT	NA	A/K2
3	ROW 3 OUT	NA	A/K3
4	ROW 4 OUT	NA	A/J1
5	ROW 5 OUT	NA	A/J2
6	ROW 6 OUT	NA	A/J3
7	ROW 7 OUT	NA	A/H1
8	ROW 8 OUT	NA	A/H2
9	ROW 9 OUT	NA	A/H3
10	ROW 10 OUT	NA	A/G1
11	ROW 11 OUT	NA	A/G2
12	ROW 12 OUT	NA	A/G3
13	ROW 13 OUT	NA	A/F1
14	ROW 14 OUT	NA	A/F2
15	ROW 15 OUT	NA	A/F3
16	ROW 16 OUT	NA	A/E1
17	ROW 17 OUT	NA	E/S2
18	ROW 18 OUT	NA	E/R2
19	ROW 19 OUT	NA	E/S3
20	ROW 20 OUT	NA	E/P3
21	ROW 21 OUT	NA	E/R1
22	ROW 22 OUT	NA	E/R3
23	ROW 23 OUT	NA	E/P1
24	ROW 24 OUT	NA	E/P2
25	ROW 25 OUT	NA	H/K1
26	MODE DECODE	NA	H/K2
27-28	NOT USED	NA	NA
29	ANLG PWR +8V	NA	H/A2
30	ANLG SNSR GN	NA	H/A3
31	ROW 27 OUT	NA	H/K3
32	ROW 28 OUT	NA	H/J1
33	ROW 29 OUT	NA	H/J2
34	ROW 30 OUT	NA	H/J3
35	ROW 31 OUT	NA	H/H1
36	ROW 32 OUT	NA	H/H2
37	NOT USED	NA	NA

E - Cinch Connection to WedgeBox (B)			
30 Pin Cinch Plug			
581013031			
Pin	Function	Color	To
L1	HEIGHT SIG F	NA	F/L1
L2	NOT USED F	NA	F/L2
L3	NOT USED F	NA	F/L3
M1	MOTION SIG F	NA	F/M1
M2	RT DSCNT F	NA	F/M2
M3	HEIGHT PWR F	NA	F/M3
N1		NA	F/N1
N2		NA	F/N2
N3	HEIGHT GND F	NA	F/N3
P1	ROW 23 OUT	NA	D23
P2	ROW 24 OUT	NA	D24
P3	ROW 20 OUT	NA	D20
R1	ROW 21 OUT	NA	D21
R2	ROW 18 OUT	NA	D18
R3	ROW 22 OUT	NA	D22
S1	DRIVE 1 PWR F	NA	F/S1
S2	ROW 17 OUT	NA	D17
S3	ROW 19 OUT	NA	D19
T1	DRIVE 2 PWR	NA	F/T1
T2		NA	F/T2
T3		NA	F/T3
W1		NA	F/W1
W2	GND	NA	F/W2
W3	NOT USED	NA	F/W3
X1		NA	F/X1
X2	GND	NA	F/X2
X3	NOT USED	NA	F/X3
Y1	PWR +12V	NA	F/Y1
Y2	PWR +12V	NA	F/Y2
Y3	PWR +12V	NA	F/Y3

F - Cinch Connection to JD Harness (B)			
30 Pin Cinch Receptacle			
581016012 L-Y			
Pin	Function	Color	To
P1	ROW 23 IN	NA	C23
P2	ROW 24 IN	NA	C24
P3	ROW 20 IN	NA	C20
R1	ROW 21 IN	NA	C21
R2	ROW 18 IN	NA	C18
R3	ROW 22 IN	NA	C22
S1	DRIVE 1 PWR	NA	E/S1
S2	ROW 17 IN	NA	C17
S3	ROW 19 IN	NA	C19
L1	HEIGHT SIG	NA	E/L1
L2	NOT USED	NA	E/L2
L3	NOT USED	NA	E/L3
M1	MOTION SIG	NA	E/M1
M2	RT DSCNT	NA	E/M2
M3	HEIGHT PWR	NA	E/M3
N1		NA	E/N1
N2		NA	E/N2
N3	HEIGHT GND	NA	E/N3
T1	DRIVE 2 PWR	NA	E/T1
T2		NA	E/T2
T3		NA	E/T3
W1		NA	E/W1
W2	GND	NA	E/W2
W3	NOT USED	NA	E/W3
X1		NA	E/X1
X2	GND	NA	E/X2
X3	NOT USED	NA	E/X3
Y1	PWR +12V	NA	E/Y1
Y2	PWR +12V	NA	E/Y2
Y3	NOT USED	NA	E/Y3

G - 2 Pin 12V+ for Pre Universal Tractor Harness			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	12V+	NA	A/B2, B/B2
B	Ground	NA	B/B3, A/B3

H - Cinch Connection to WedgeBox (A2)			
30 Pin Cinch Plug			
581013030			
Pin	Function	Color	To
A1	MOD DECODE	NA	D26, (H)K2
A2	ANLG PWR +8V	NA	D29
A3	ANLG SNSR GND	NA	D30
B1	CAN PWR 12V/RPM3	NA	J/B1
B2	ECU PWR +12V	NA	J/B2
B3	ECU GND	NA	J/B3
C1		NA	J/C1
C2		NA	J/C2
C3	CAN HIGH	NA	J/C3
D1	VAC 3 SIG	NA	J/D1
D2	VAC 4 SIG	NA	J/D2
D3	FERT PRESS SIG	NA	J/D3
E1	ROW 40 OUT	NA	J/E1
E2	RPM 4 SIG	NA	J/E2
E3	HOPPER LEVEL SNR	NA	J/E3
F1	ROW 37 OUT	NA	J/F1
F2	ROW 38 OUT	NA	J/F2
F3	ROW 39 OUT	NA	J/F3
G1	ROW 34 OUT	NA	J/G1
G2	ROW 35 OUT	NA	J/G2
G3	ROW 36 OUT	NA	J/G3
H1	ROW 31 OUT	NA	D35
H2	ROW 32 OUT	NA	D36
H3	ROW 33 OUT	NA	J/H3
J1	ROW 28 OUT	NA	D32
J2	ROW 29 OUT	NA	D33
J3	ROW 30 OUT	NA	D34
K1	ROW 25 OUT	NA	D25
K2	ROW 26 OUT	NA	D26, (H)A1
K3	ROW 27 OUT	NA	D31

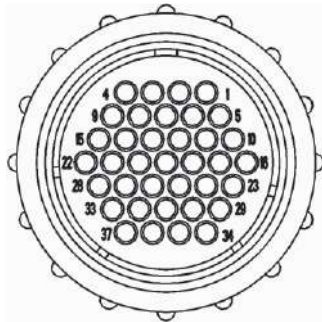
J - Cinch Connection to JD Harness (A2)			
30 Pin Cinch Receptacle			
581016012 A-K			
Pin	Function	Color	To
B1	CAN PWR 12V/RPM3	NA	H/B1
B2	ECU PWR +12V	NA	H/B2
B3	ECU GND	NA	H/B3
C1		NA	H/C1
C2	CAN LOW	NA	H/C2
C3	CAN HIGH	NA	H/C3
D1	VAC 3 SIG	NA	H/D1
D2	VAC 4 SIG	NA	H/D2
D3	FERT PRESS SIG	NA	H/D3
E1	ROW 40 OUT	NA	H/E1
E2	RPM 4 SIG	NA	H/E2
E3	HOPPER LEVEL SNR	NA	H/E3
F1	ROW 37 OUT	NA	H/F1
F2	ROW 38 OUT	NA	H/F2
F3	ROW 39 OUT	NA	H/F3
G1	ROW 34 OUT	NA	H/G1
G2	ROW 35 OUT	NA	H/G2
G3	ROW 36 OUT	NA	H/G3
H3	ROW 33 OUT	NA	H/H3
A2	ANLG PWR +8V	NA	C29
A3	ANLG SNSR GND	NA	C30
H1	ROW 31 IN	NA	C35
H2	ROW 32 IN	NA	C36
H3	ROW 33 IN	NA	H/H3
J1	ROW 28 IN	NA	C32
J2	ROW 29 IN	NA	C33
J3	ROW 30 IN	NA	C34
K1	ROW 25 IN	NA	C25
K2	ROW 26 IN	NA	C26
K3	ROW 27 IN	NA	C31

Part #

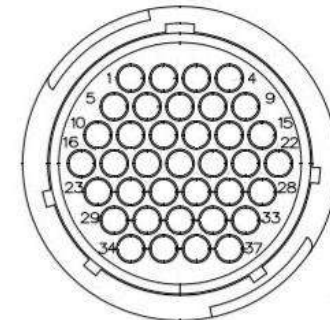
725667

Part

WaveVision Power Adapter



VIEW A



VIEW B

A- 37 Pin to Smart Connector			
37 Pin Amp Plug			
206150-1			
Pin	Function	Color	To
A1-26	Pass Thru		A1-26
A31-37	Pass Thru		A31-37
A27	Power		B27
A28	Ground		B28
A29	Power		B29
A30	Ground		B30

B- 37 Pin from Planter Harness			
37 Pin Amp Receptacle			
206151-2			
Pin	Function	Color	From
B1-26	Pass Thru		A1-26
B31-37	Pass Thru		A31-37
B27	Power		A27
B28	Ground		A28
B29	Power		A29
B30	Ground		A30

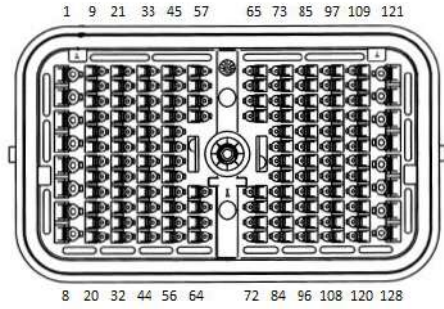
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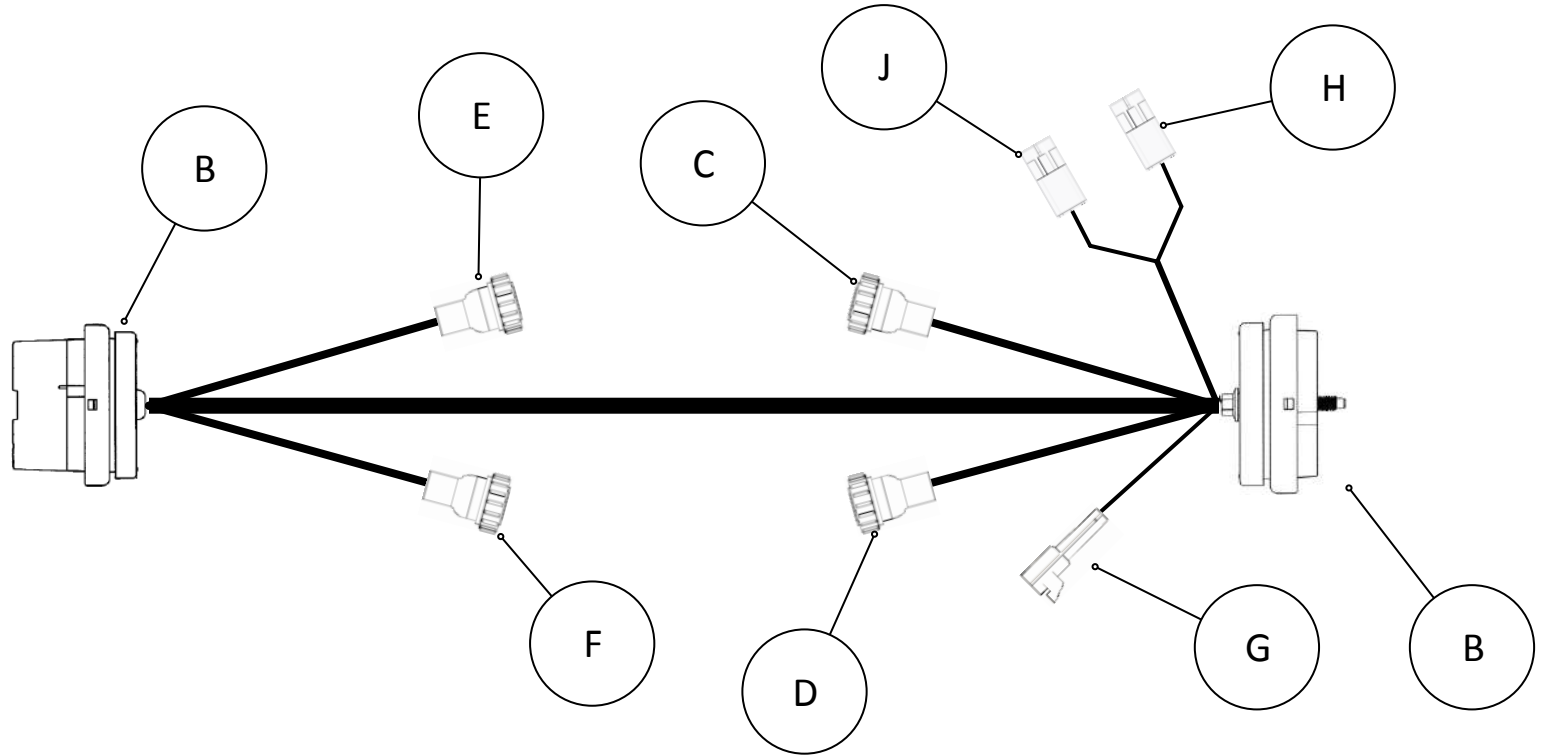
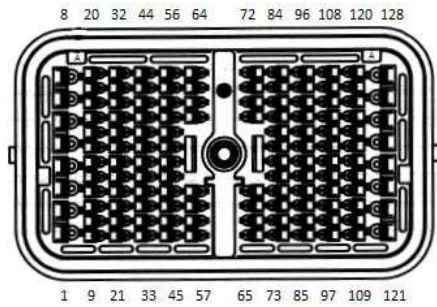
Part

DB Seed Adapter Harness 2012+

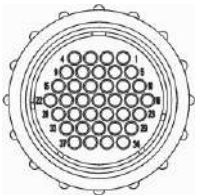
View A



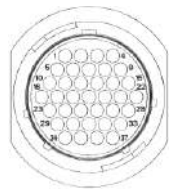
View B



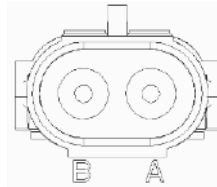
View C,D



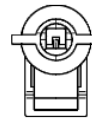
View E,F



View H,J



View G



A - DB BulkHead Seed Connection Part 1

128 Deutsch Plug

DRB12-128PAE-LO18

Pin	Function	To
1	12V PWR	B2, B3, HA, JA
2	12V PWR	B1, B3, HA, JA
3	12V PWR	B1, B2, HA, JA
4	12V PWR	B4
5	GND	B6, B7, G1, HB, JB
6	GND	B5, B7, G1, HB, JB
7	GND	B5, B6, G1, HB, JB
9	SEED ROW 1	C1
10	SEED ROW 2	C2
11	SEED ROW 3	C3
12	SEED ROW 4	C4
13	SEED ROW 5	C5
14	SEED ROW 6	C6
15	SEED ROW 7	C7
16	SEED ROW 8	C8
17	SEED ROW 9	C9
18	SEED ROW 10	C10
19	SEED ROW 11	C11
20	SEED ROW 12	C12
21	SEED ROW 13	C13
22	SEED ROW 14	C14
23	SEED ROW 15	C15
24	SEED ROW 16	C16
25	SEED ROW 17	C17
26	SEED ROW 18	C18
27	SEED ROW 19	C19
28	SEED ROW 20	C20
29	SEED ROW 21	C21
30	SEED ROW 22	C22
31	SEED ROW 23	C23
32	SEED ROW 24	C24
33	SEED ROW 25	C25
34	SEED ROW 26	C26
35	SEED ROW 27	C31
36	SEED ROW 28	C32
37	SEED ROW 29	C33
38	SEED ROW 30	C34

A - DB BulkHead Seed Connection Part 2

128 Deutsch Plug

DRB12-128PAE-LO18

Pin	Function	To
39	SEED ROW 31	C35
40	SEED ROW 32	C36
41	SEED ROW 33	D1
42	SEED ROW 34	D2
43	SEED ROW 35	D3
44	SEED ROW 36	D4
45	SEED ROW 37	D5
46	SEED ROW 38	D6
47	SEED ROW 39	D7
48	SEED ROW 40	D8
49	SEED ROW 52	D9
50	SEED ROW 53	D10
51	SEED ROW 54	D11
52	SEED ROW 55	D12
53	SEED ROW 56	D13
54	SEED ROW 57	D14
55	SEED ROW 58	D15
56	SEED ROW 59	D16
57	SEED ROW 60	D17
58	SEED ROW 61	D18
59	SEED ROW 62	D19
60	SEED ROW 63	D20
61	SEED ROW 64	D21
62	SEED ROW 65	D22
63	SEED ROW 66	D23
64	SEED ROW 67	D24
65	SEED ROW 68	D25
66	SEED ROW 69	D26
67	SEED ROW 70	D31
68	SEED ROW 71	D32
69	SEED ROW 72	D33
70	SEED ROW 73	D34
71	SEED ROW 74	D35
72	SEED ROW 75	D36
81	VAC 3	B81
82	I HEIGHT	B82
83	5 VDC PWR	B83

Part #

725701

Part DB Seed Adapter Harness 2012+

A - DB BulkHead Seed Connection Part 3

128 Deutsch Plug

DRB12-128PAE-LO18

Pin	Function	To
84	5 VDC GND	B84
85	SPEED 1	B85
86	RPM 3	B86
87	DRIVE 1	B87
88	DRIVE 2	B88
89	RPM 1	B89
90	DISCNCT RIGHT	B90
91	DISCNCT CENTER	B91
92	DRIVE 3	B92
93	VAC 1	B93
94	VAC 2	B94
95	DISCONNECT LEFT	B95
96	FERT2	B96
97	RPM 2	B97
98	FERT1	B98
99	VAC 4	B99
111	SNR GND	C28, C30, D28, D30
112	SNR GND	C28, C30, D28, D30
113	SNR GND	C28, C30, D28, D30
114	SNR PWR	C27, C29, D27, D29
115	SNR PWR	C27, C29, D27, D29
116	SNR PWR	C27, C29, D27, D29
117		B117
118		B118
119		B119
120		B120
121	PWR	B121
122	UNSW PWR	B122
123	GND	B123
125	SNR GND	C28, C30, D28, D30
126	SNR PWR	C27, C29, D27, D29

Part #

725701

Part

DB Seed Adapter Harness 2012+

B - DB BulkHead Seed Connection Part 1		
128 Deutsch Receptacle		
DRB16-128SAE-LO18		
Pin	Function	To
9	SEED ROW 1	E1
10	SEED ROW 2	E2
11	SEED ROW 3	E3
12	SEED ROW 4	E4
13	SEED ROW 5	E5
14	SEED ROW 6	E6
15	SEED ROW 7	E7
16	SEED ROW 8	E8
17	SEED ROW 9	E9
18	SEED ROW 10	E10
19	SEED ROW 11	E11
20	SEED ROW 12	E12
21	SEED ROW 13	E13
22	SEED ROW 14	E14
23	SEED ROW 15	E15
24	SEED ROW 16	E16
25	SEED ROW 17	E17
26	SEED ROW 18	E18
27	SEED ROW 19	E19
28	SEED ROW 20	E20
29	SEED ROW 21	E21
30	SEED ROW 22	E22
31	SEED ROW 23	E23
32	SEED ROW 24	E24
33	SEED ROW 25	E25
34	SEED ROW 26	E26
35	SEED ROW 27	E31
36	SEED ROW 28	E32
37	SEED ROW 29	E33
38	SEED ROW 30	E34
39	SEED ROW 31	E35
40	SEED ROW 32	E36
41	SEED ROW 33	F1
42	SEED ROW 34	F2

B - DB BulkHead Seed Connection Part 2		
128 Deutsch Receptacle		
DRB16-128SAE-LO18		
Pin	Function	To
43	SEED ROW 35	F3
44	SEED ROW 36	F4
45	SEED ROW 37	F5
46	SEED ROW 38	F6
47	SEED ROW 39	F7
48	SEED ROW 40	F8
49	SEED ROW 41	F9
50	SEED ROW 42	F10
51	SEED ROW 43	F11
52	SEED ROW 44	F12
53	SEED ROW 45	F13
54	SEED ROW 46	F14
55	SEED ROW 47	F15
56	SEED ROW 48	F16
57	SEED ROW 49	F17
58	SEED ROW 50	F18
59	SEED ROW 51	F19
60	SEED ROW 52	F20
61	SEED ROW 53	F21
62	SEED ROW 54	F22
63	SEED ROW 55	F23
64	SEED ROW 56	F24
65	SEED ROW 57	F25
66	SEED ROW 58	F26
67	SEED ROW 59	F31
68	SEED ROW 60	F32
69	SEED ROW 61	F33
70	SEED ROW 62	F34
71	SEED ROW 63	F35
72	SEED ROW 64	F36
81	VAC 3	A81
82	I HEIGHT	A82

B - DB BulkHead Seed Connection Part 3		
128 Deutsch Receptacle		
DRB16-128SAE-LO18		
Pin	Function	To
83	5 VDC PWR	A83
84	5 VDC GND	A84
85	SPEED 1	A85
86	RPM 3	A86
87	DRIVE 1	A87
88	DRIVE 2	A88
89	RPM 1	A89
90	DISCNCT R	A90
91	DISCNCT C	A91
92	DRIVE 3	A92
93	VAC 1	A93
94	VAC 2	A94
95	DISCNCT L	A95
96	FERT 2	A96
97	RPM 2	A97
98	FERT 1	A98
99	VAC 4	A99
111	SNR GND to SSTAR	B112, B113, B125
112	SNR GND to SSTAR	B111, B113, B125
113	SNR GND to SSTAR	B111, B112, B125
114	SNR PWR to SSTAR	B115, B116, B126
115	SNR PWR to SSTAR	B114, B116, B126
116	SNR PWR to SSTAR	B114, B115, B126
117		B117
118		B118
119		B119
120		B120
121	PWR	B121
122	UNSW PWR	B122
123	GND	B123
125	SNR GND to SSTAR	B111, B112, B113
126	SNR PWR to SSTAR	B114, B115, B116

C - 37 Pin to Smart Connector Input Rows 1-32

37 Pin AMP Receptacle

206150-1

Pin	Function	To
19	SEED ROW 19	A27
20	SEED ROW 20	A28
21	SEED ROW 21	A29
22	SEED ROW 22	A30
23	SEED ROW 23	A31
24	SEED ROW 24	A32
25	SEED ROW 25	A33
26	SEED ROW 26	A34
27	Power	A114, A115, A116, A126, D27, D29, C29
28	Ground	A111, A112, A113, A125, D28, D30, C30
29	Power	A114, A115, A116, A126, D27, D29, C27
30	Ground	A111, A112, A113, A125, D28, D30, C28
31	SEED ROW 27	A35
32	SEED ROW 28	A36
33	SEED ROW 29	A37
34	SEED ROW 30	A38
35	SEED ROW 31	A39
36	SEED ROW 32	A40

C - 37 Pin to Smart Connector Input Rows 1-32

37 Pin AMP Receptacle

206150-1

Pin	Function	To
1	SEED ROW 1	A9
2	SEED ROW 2	A10
3	SEED ROW 3	A11
4	SEED ROW 4	A12
5	SEED ROW 5	A13
6	SEED ROW 6	A14
7	SEED ROW 7	A15
8	SEED ROW 8	A16
9	SEED ROW 9	A17
10	SEED ROW 10	A18
11	SEED ROW 11	A19
12	SEED ROW 12	A20
13	SEED ROW 13	A21
14	SEED ROW 14	A22
15	SEED ROW 15	A23
16	SEED ROW 16	A24
17	SEED ROW 17	A25
18	SEED ROW 18	A26

D - 37 Pin to Smart Connector Input Rows 33-64

37 Pin AMP Receptacle

206150-1

Pin	Function	To
1	SEED ROW 33	A41
2	SEED ROW 34	A42
3	SEED ROW 35	A43
4	SEED ROW 36	A44
5	SEED ROW 37	A45
6	SEED ROW 38	A46
7	SEED ROW 39	A47
8	SEED ROW 40	A48
9	SEED ROW 41	A49
10	SEED ROW 42	A50
11	SEED ROW 43	A51
12	SEED ROW 44	A52
13	SEED ROW 45	A53
14	SEED ROW 46	A54
15	SEED ROW 47	A55
16	SEED ROW 48	A56
17	SEED ROW 49	A57
18	SEED ROW 50	A58

D - 37 Pin to Smart Connector Input Rows 33-64

37 Pin AMP Receptacle

206150-1

Pin	Function	To
19	SEED ROW 51	A59
20	SEED ROW 52	A60
21	SEED ROW 53	A61
22	SEED ROW 54	A62
23	SEED ROW 55	A63
24	SEED ROW 56	A64
25	SEED ROW 57	A65
26	SEED ROW 58	A66
27	Power	A114, A115, A116, A126, C27, C29, D29
28	Ground	A111, A112, A113, A125, C28, C30, D30
29	Power	A114, A115, A116, A126, C27, C29, D27
30	Ground	A111, A112, A113, A125, C28, C30, D28
31	SEED ROW 59	A67
32	SEED ROW 60	A68
33	SEED ROW 61	A69
34	SEED ROW 62	A70
35	SEED ROW 63	A71
36	SEED ROW 64	A72

E - 37 Pin to Smart Connector Input Rows 1-32

37 Pin AMP Plug

206151-2

Pin	Function	To
1	SEED ROW 1	B9
2	SEED ROW 2	B10
3	SEED ROW 3	B11
4	SEED ROW 4	B12
5	SEED ROW 5	B13
6	SEED ROW 6	B14
7	SEED ROW 7	B15
8	SEED ROW 8	B16
9	SEED ROW 9	B17
10	SEED ROW 10	B18
11	SEED ROW 11	B19
12	SEED ROW 12	B20
13	SEED ROW 13	B21
14	SEED ROW 14	B22
15	SEED ROW 15	B23
16	SEED ROW 16	B24
17	SEED ROW 17	B25
18	SEED ROW 18	B26

E - 37 Pin to Smart Connector Input Rows 1-32

37 Pin AMP Plug

206151-2

Pin	Function	To
19	SEED ROW 19	B27
20	SEED ROW 20	B28
21	SEED ROW 21	B29
22	SEED ROW 22	B30
23	SEED ROW 23	B31
24	SEED ROW 24	B32
25	SEED ROW 25	B33
26	SEED ROW 26	B34
27	Power	B114, B115, B116, B126, E29, F27, F29
28	Ground	B111, B112, B113, B125, E30, F28, F30
29	Power	B114, B115, B116, B126, E27, F27, F29
30	Ground	B111, B112, B113, B125, E28, F28, F30
31	SEED ROW 27	B35
32	SEED ROW 28	B36
33	SEED ROW 29	B37
34	SEED ROW 30	B38
35	SEED ROW 31	B39
36	SEED ROW 32	B40

Go To 725XXX

F - 37 Pin to Smart Connector Input Rows 33-64		
37 Pin AMP Plug		
206151-2		
Pin	Function	To
1	SEED ROW 33	B41
2	SEED ROW 34	B42
3	SEED ROW 35	B43
4	SEED ROW 36	B44
5	SEED ROW 37	B45
6	SEED ROW 38	B46
7	SEED ROW 39	B47
8	SEED ROW 40	B48
9	SEED ROW 41	B49
10	SEED ROW 42	B50
11	SEED ROW 43	B51
12	SEED ROW 44	B52
13	SEED ROW 45	B53
14	SEED ROW 46	B54
15	SEED ROW 47	B55
16	SEED ROW 48	B56
17	SEED ROW 49	B57

F - 37 Pin to Smart Connector Input			Part #
37 Pin AMP Plug			
206151-2			Part
Pin	Function		
18	SEED ROW 50		B58
19	SEED ROW 51		B59
20	SEED ROW 52		B60
21	SEED ROW 53		B61
22	SEED ROW 54		B62
23	SEED ROW 55		B63
24	SEED ROW 56		B64
25	SEED ROW 57		B65
26	SEED ROW 58		B66
27	Power	B114, B115, B116, B126, F29, E27, E29	
28	Ground	B111, B112, B113, B125, F30, E28, E30	
29	Power	B114, B115, B116, B126, F27, E27, E29	
30	Ground	B111, B112, B113, B125, F28, E28, E30	
31	SEED ROW 59		B67
32	SEED ROW 60		B68
33	SEED ROW 61		B69
34	SEED ROW 62		B70
35	SEED ROW 63		B71
36	SEED ROW 64		B72

725701

DB Seed Adapter Harness 2012+

H,J - 2 Pin 12V+ Auxiliary			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	12V+	Red	B1-3, A1-3
B	Ground	Black	B4-6, A4-6, G1

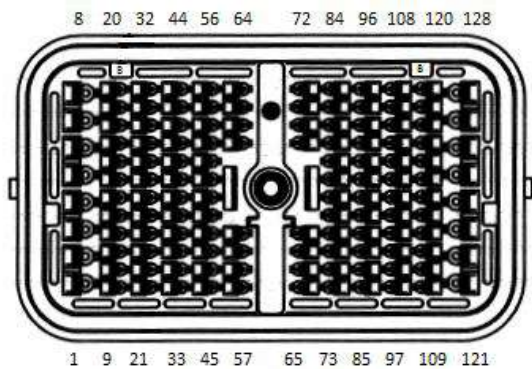
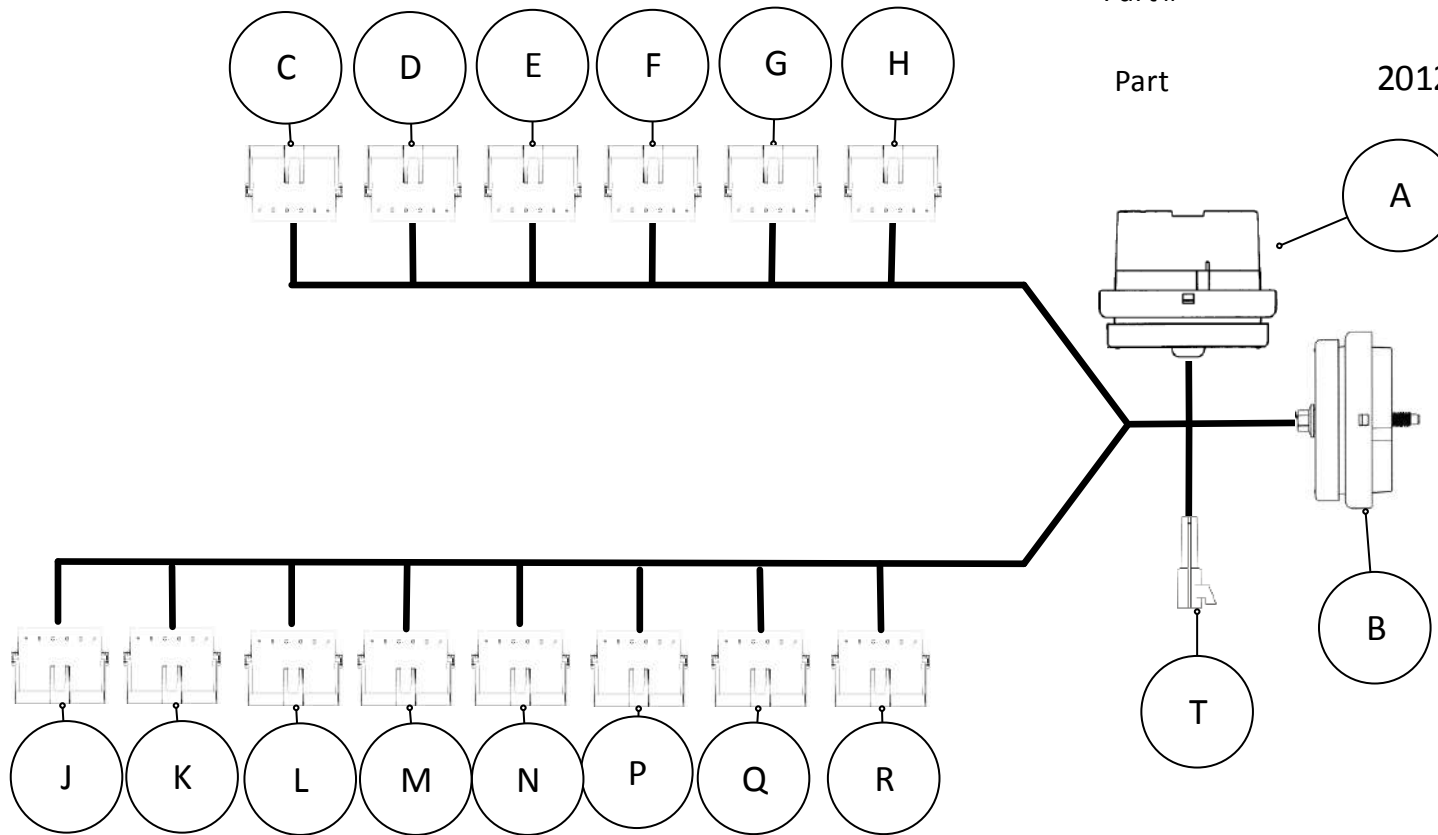
G - 1 Pin Clutch Ground			
1 Pin WeatherPack			
12065172			
Pin	Function	Color	To
1	Ground	Black	B4-6, A4-6, HB, JB

Part #

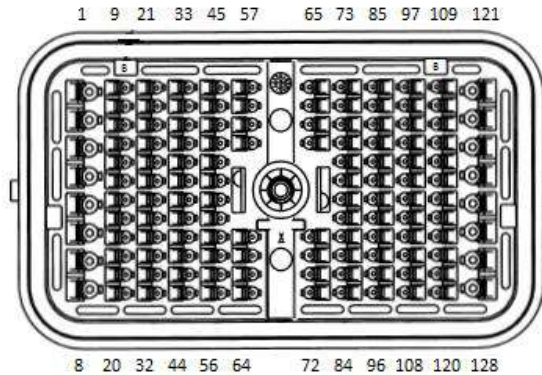
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Part

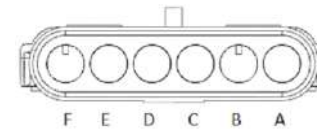
2012+ DB Clutch Harness



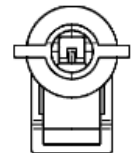
VIEW A



VIEW B



VIEW C-R



VIEW T

A - DB Bulk Clutch Connection - Part 1

128 Pin Deutsch Plug

DRB12-128PBE-L018

Pin	Function	Color	To
9	Clutch Row 1	Blue	CB
10	Clutch Row 2	Blue	CC
11	Clutch Row 3	Blue	CD
12	Clutch Row 4	Blue	CE
13	Clutch Row 5	Grey	DB
14	Clutch Row 6	Grey	DC
15	Clutch Row 7	Grey	DD
16	Clutch Row 8	Grey	DE
17	Clutch Row 9	Green	EB
18	Clutch Row 10	Green	EC
19	Clutch Row 11	Green	ED
20	Clutch Row 12	Green	EE
21	Clutch Row 13	Orange	FB
22	Clutch Row 14	Orange	FC
23	Clutch Row 15	Orange	FD
24	Clutch Row 16	Orange	FE
25	Clutch Row 17	Tan	GB
26	Clutch Row 18	Tan	GC
27	Clutch Row 19	Tan	GD
28	Clutch Row 20	Tan	GE
29	Clutch Row 21	Purple	HB
30	Clutch Row 22	Purple	HC
31	Clutch Row 23	Purple	HD
32	Clutch Row 24	Purple	HE
33	Clutch Row 25	Blue	JB
34	Clutch Row 26	Blue	JC
35	Clutch Row 27	Blue	JD
36	Clutch Row 28	Blue	JE
37	Clutch Row 29	Grey	KB
38	Clutch Row 30	Grey	KC
39	Clutch Row 31	Grey	KD
40	Clutch Row 32	Grey	KE
41	Clutch Row 33	Green	LB
42	Clutch Row 34	Green	LC
43	Clutch Row 35	Green	LD

A - DB Bulk Clutch Connection - Part 2

128 Pin Deutsch Plug

DRB12-128PBE-L018

Pin	Function	Color	To
44	Clutch Row 36	Green	LE
45	Clutch Row 37	Orange	MB
46	Clutch Row 38	Orange	MC
47	Clutch Row 39	Orange	MD
48	Clutch Row 40	Orange	ME
49	Clutch Row 41	Tan	NB
50	Clutch Row 42	Tan	NC
51	Clutch Row 43	Tan	ND
52	Clutch Row 44	Tan	NE
53	Clutch Row 45	Purple	PB
54	Clutch Row 46	Purple	PC
55	Clutch Row 47	Purple	PD
56	Clutch Row 48	Purple	PE
57	Clutch Row 49	Brown	QB
58	Clutch Row 50	Brown	QC
59	Clutch Row 51	Brown	QD
60	Clutch Row 52	Brown	QE
61	Clutch Row 53	Yellow	RB
62	Clutch Row 54	Yellow	RC
63	Clutch Row 55	Yellow	RD
64	Clutch Row 56	Yellow	RE
93			B93
94			B94
95			B95
96			B96
97			B97
98			B98
99			B99
100			B100
102	PSI GND		B102
103	PSI PWR		B103
104	GND		B104
105	ADDRESS INPUT 2		B105
106	ADDRESS INPUT 1		B106
107	PSI 1		B107

Part #

725702

Part

2012+ DB Clutch Harness

A - DB Bulk Clutch Connection - Part 3

128 Pin Deutsch Plug

DRB12-128PBE-L018

Pin	Function	Color	To
108	ACTIVE DN ENABLE		B108
109	VB2 INC		B109
110	PSI 2		B110
111	VB2 DEC		B111
112	VB1 INC		B112
113	VB1 DEC		B113
114	CCS LEVEL		B114
115	AGITATOR RELAY SNR		B115
116			B116
117	CAN		B117
118	CAN		B118
119	CAN		B119
120	CAN		B120
127	MOD GND		B127
128	MOD PWR		B128

Go To 725XXX
B - DB Bulk Clutch Connection

128 Pin Deutsch Plug			
DRB16-128SBE-L018			
Pin	Function	Color	To
93			A93
94			A94
95			A95
96			A96
97			A97
98			A98
99			A99
100			A100
102	PSI GND		A102
103	PSI PWR		A103
104	GND		A104
105	ADDRESS INPUT 2		A105
106	ADDRESS INPUT 1		A106
107	PSI 1		A107
108	ACTIVE DN ENABLE		A108
109	VB2 INC		A109
110	PSI 2		A110
111	VB2 DEC		A111
112	VB1 INC		A112
113	VB1 DEC		A113
114	CCS LEVEL		A114
115	AGITATOR RELAY SNR		A115
116			A116
117	CAN		A117
118	CAN		A118
119	CAN		A119
120	CAN		A120
127	MOD GND		A127
128	MOD PWR		A128

C - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 1	Blue	A9
C	CLUTCH ROW 2	Blue	A10
D	CLUTCH ROW 3	Blue	A11
E	CLUTCH ROW 4	Blue	A12
F	NA		

D - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 5	Grey	A13
C	CLUTCH ROW 6	Grey	A14
D	CLUTCH ROW 7	Grey	A15
E	CLUTCH ROW 8	Grey	A16
F	NA		

E - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 9	Green	A17
C	CLUTCH ROW 10	Green	A18
D	CLUTCH ROW 11	Green	A19
E	CLUTCH ROW 12	Green	A20
F	NA		

F - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 13	Orange	A21
C	CLUTCH ROW 14	Orange	A22
D	CLUTCH ROW 15	Orange	A23
E	CLUTCH ROW 16	Orange	A24
F	NA		

G - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 17	Tan	A25
C	CLUTCH ROW 18	Tan	A26
D	CLUTCH ROW 19	Tan	A27
E	CLUTCH ROW 20	Tan	A28
F	NA		

H - Row Clutch			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 21	Purple	A29
C	CLUTCH ROW 22	Purple	A30
D	CLUTCH ROW 23	Purple	A31
E	CLUTCH ROW 24	Purple	A32
F	NA		

J - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 25	Blue	A33
C	CLUTCH ROW 26	Blue	A34
D	CLUTCH ROW 27	Blue	A35
E	CLUTCH ROW 28	Blue	A36
F	NA		

K - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 29	Grey	A37
C	CLUTCH ROW 30	Grey	A38
D	CLUTCH ROW 31	Grey	A39
E	CLUTCH ROW 32	Grey	A40
F	NA		

L - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 33	Green	A41
C	CLUTCH ROW 34	Green	A42
D	CLUTCH ROW 35	Green	A43
E	CLUTCH ROW 36	Green	A44
F	NA		

M - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 37	Orange	A45
C	CLUTCH ROW 38	Orange	A46
D	CLUTCH ROW 39	Orange	A47
E	CLUTCH ROW 40	Orange	A48
F	NA		

N - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 41	Tan	A49
C	CLUTCH ROW 42	Tan	A50
D	CLUTCH ROW 43	Tan	A51
E	CLUTCH ROW 44	Tan	A52
F	NA		

P - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 45	Purple	A53
C	CLUTCH ROW 46	Purple	A54
D	CLUTCH ROW 47	Purple	A55
E	CLUTCH ROW 48	Purple	A56
F	NA		

Q - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 49	Brown	A57
C	CLUTCH ROW 50	Brown	A58
D	CLUTCH ROW 51	Brown	A59
E	CLUTCH ROW 52	Brown	A60
F	NA		

R - Row Clutch

6 Pin WeatherPack Receptacle

12010975

Pin	Function	Color	To
A	GROUND	Black	T1, (C-R)A
B	CLUTCH ROW 53	Yellow	A61
C	CLUTCH ROW 54	Yellow	A62
D	CLUTCH ROW 55	Yellow	A63
E	CLUTCH ROW 56	Yellow	A64
F	NA		

T - Clutch Ground

1 Pin WeatherPack Receptacle

12065171

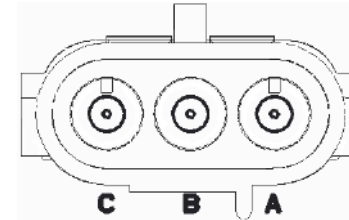
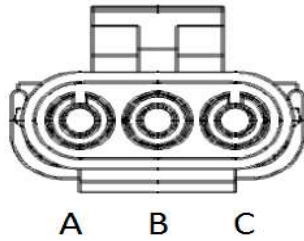
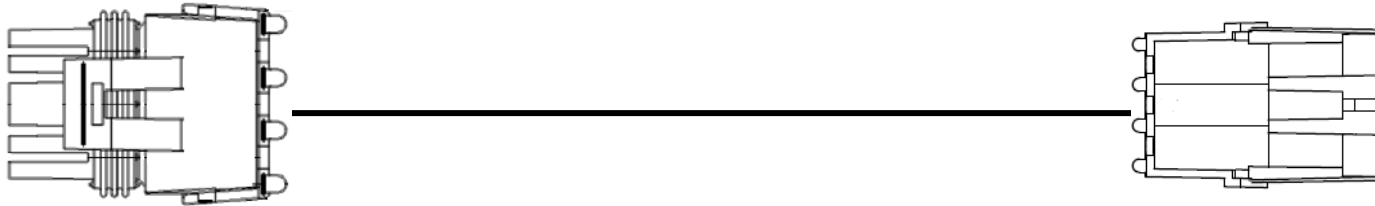
Pin	Function	Color	To
T1	CLUTCH GND	NA	(C-R)A

Part #

725707

Part

JD/DB Vacuum Sensor Adapter



A, C, B - 3 Circuit Receptacle	
Regulated voltage out	
12010717	
Pin	Function
A	Signal
B	Ground
C	Power (regulated to 8v)

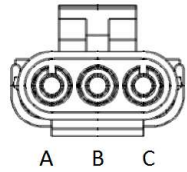
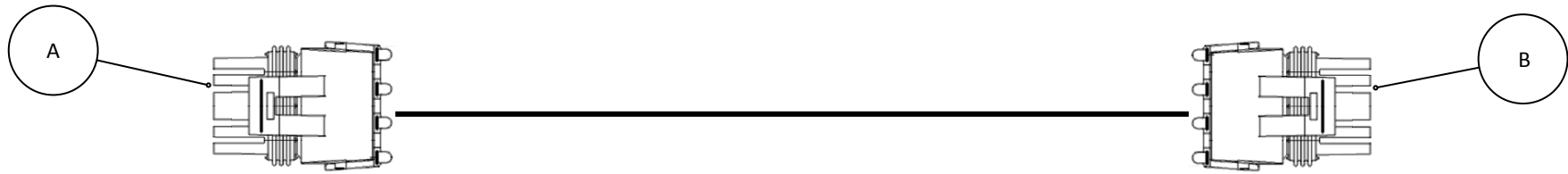
C, B, A - 3 Circuit Plug	
Unregulated voltage in	
12015793	
Pin	Function
C	Power
B	Ground
A	Signal

Part #

725717

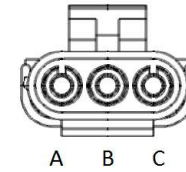
Part

Gender Changer



VIEW A

A - Planter Hanress			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	To
A	Power	Red	BA
B	Ground	Black	BB
C	Signal	Green	BC



VIEW B

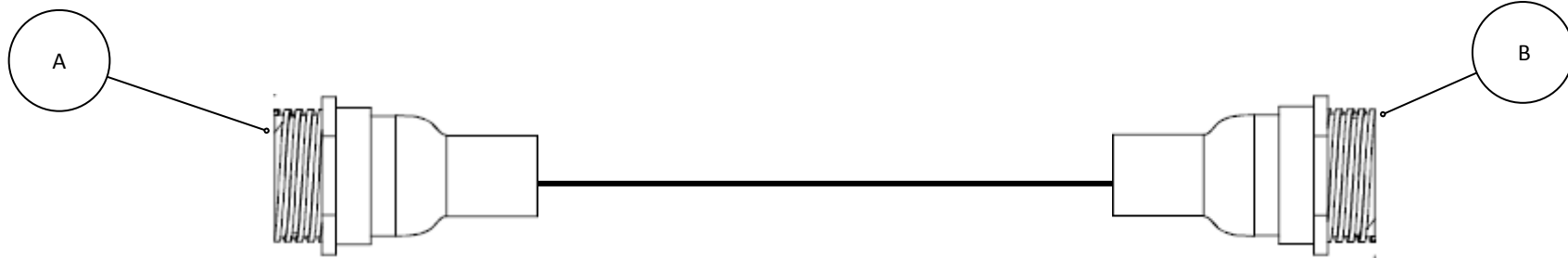
B -Seed Tube			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	To
A	Signal	Green	AA
B	Ground	Black	AB
C	Power	Red	AC

Part #

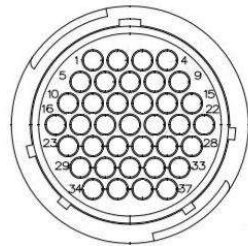
725718

Part

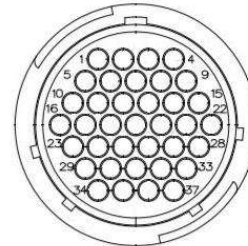
37 Pin Gender Changer



View A



View B



Part #

725718

Part

37 Pin Gender Changer

A			37 Pin AMP Receptacle 206150-1		
37 Pin AMP Receptacle 206150-1			Pin	Function	To
Pin	Function	To	19	Seed Sensor Row 19	B19
1	Seed Sensor Row 1	B1	20	Seed Sensor Row 20	B20
2	Seed Sensor Row 2	B2	21	Seed Sensor Row 21	B21
3	Seed Sensor Row 3	B3	22	Seed Sensor Row 22	B22
4	Seed Sensor Row 4	B4	23	Seed Sensor Row 23	B23
5	Seed Sensor Row 5	B5	24	Seed Sensor Row 24	B24
6	Seed Sensor Row 6	B6	25	Seed Sensor Row 25	B25
7	Seed Sensor Row 7	B7	26	Seed Sensor Row 26	B26
8	Seed Sensor Row 8	B8	27	(+) 8 Volt Rows 1-16	B27
9	Seed Sensor Row 9	B9	28	Ground Rows 1-16	B28
10	Seed Sensor Row 10	B10	29	(+) 8 Volt Rows 1-16	B29
11	Seed Sensor Row 11	B11	30	Ground Rows 17-32	B30
12	Seed Sensor Row 12	B12	31	Seed Sensor Row 27	B31
13	Seed Sensor Row 13	B13	32	Seed Sensor Row 28	B32
14	Seed Sensor Row 14	B14	33	Seed Sensor Row 29	B33
15	Seed Sensor Row 15	B15	34	Seed Sensor Row 30	B34
16	Seed Sensor Row 16	B16	35	Seed Sensor Row 31	B35
17	Seed Sensor Row 17	B17	36	Seed Sensor Row 32	B36
18	Seed Sensor Row 18	B18	37	--	--

B			37 Pin AMP Receptacle 206151-2		
Pin	Function	To	Pin	Function	To
1	Seed Sensor Row 1	A1	19	Seed Sensor Row 19	A19
2	Seed Sensor Row 2	A2	20	Seed Sensor Row 20	A20
3	Seed Sensor Row 3	A3	21	Seed Sensor Row 21	A21
4	Seed Sensor Row 4	A4	22	Seed Sensor Row 22	A22
5	Seed Sensor Row 5	A5	23	Seed Sensor Row 23	A23
6	Seed Sensor Row 6	A6	24	Seed Sensor Row 24	A24
7	Seed Sensor Row 7	A7	25	Seed Sensor Row 25	A25
8	Seed Sensor Row 8	A8	26	Seed Sensor Row 26	A26
9	Seed Sensor Row 9	A9	27	(+) 8 Volt Rows 1-16	A27
10	Seed Sensor Row 10	A10	28	Ground Rows 1-16	A28
11	Seed Sensor Row 11	A11	29	(+) 8 Volt Rows 1-16	A29
12	Seed Sensor Row 12	A12	30	Ground Rows 17-32	A30
13	Seed Sensor Row 13	A13	31	Seed Sensor Row 27	A31
14	Seed Sensor Row 14	A14	32	Seed Sensor Row 28	A32
15	Seed Sensor Row 15	A15	33	Seed Sensor Row 29	A33
16	Seed Sensor Row 16	A16	34	Seed Sensor Row 30	A34
17	Seed Sensor Row 17	A17	35	Seed Sensor Row 31	A35
18	Seed Sensor Row 18	A18	36	Seed Sensor Row 32	A36
			37	--	--

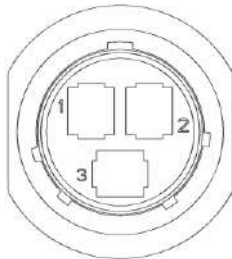
B			37 Pin AMP Receptacle 206151-2		
Pin	Function	To	Pin	Function	To
19	Seed Sensor Row 19	A19	19	Seed Sensor Row 19	A19
20	Seed Sensor Row 20	A20	20	Seed Sensor Row 20	A20
21	Seed Sensor Row 21	A21	21	Seed Sensor Row 21	A21
22	Seed Sensor Row 22	A22	22	Seed Sensor Row 22	A22
23	Seed Sensor Row 23	A23	23	Seed Sensor Row 23	A23
24	Seed Sensor Row 24	A24	24	Seed Sensor Row 24	A24
25	Seed Sensor Row 25	A25	25	Seed Sensor Row 25	A25
26	Seed Sensor Row 26	A26	26	Seed Sensor Row 26	A26
27	(+) 8 Volt Rows 1-16	A27	27	(+) 8 Volt Rows 1-16	A27
28	Ground Rows 1-16	A28	28	Ground Rows 1-16	A28
29	(+) 8 Volt Rows 1-16	A29	29	(+) 8 Volt Rows 1-16	A29
30	Ground Rows 17-32	A30	30	Ground Rows 17-32	A30
31	Seed Sensor Row 27	A31	31	Seed Sensor Row 27	A31
32	Seed Sensor Row 28	A32	32	Seed Sensor Row 28	A32
33	Seed Sensor Row 29	A33	33	Seed Sensor Row 29	A33
34	Seed Sensor Row 30	A34	34	Seed Sensor Row 30	A34
35	Seed Sensor Row 31	A35	35	Seed Sensor Row 31	A35
36	Seed Sensor Row 32	A36	36	Seed Sensor Row 32	A36
37	--	--	37	--	--

Part #

725719

Part

Euro Power Plug Adapter



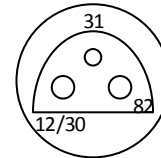
VIEW A

A- 3 Pin Power Output

AMP 3 Pin

206207-1

Pin	Function	Color	From
1	Switched Power	Orange	82
2	Battery Power	Red	15/30
3	Ground	Black	31



VIEW B

B- Cobo Power Input

COBO 3 Pin

25.036.200.01

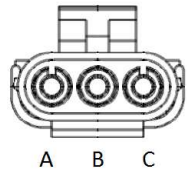
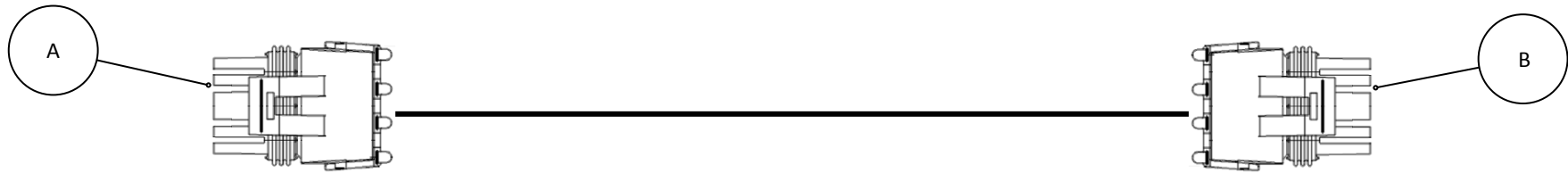
Pin	Function	Color	To
82	Switched Power	Orange	1
15/30	Battery Power	Red	2
31	Ground	Black	3

Part #

725720

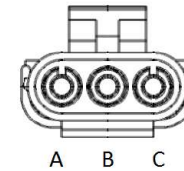
Part

Kinze Gender Changer



VIEW A

A - Planter Hanress			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	To
A	Power	Red	BC
B	Ground	Black	BB
C	Signal	Green	BA



VIEW B

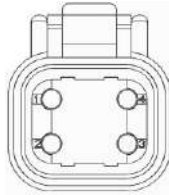
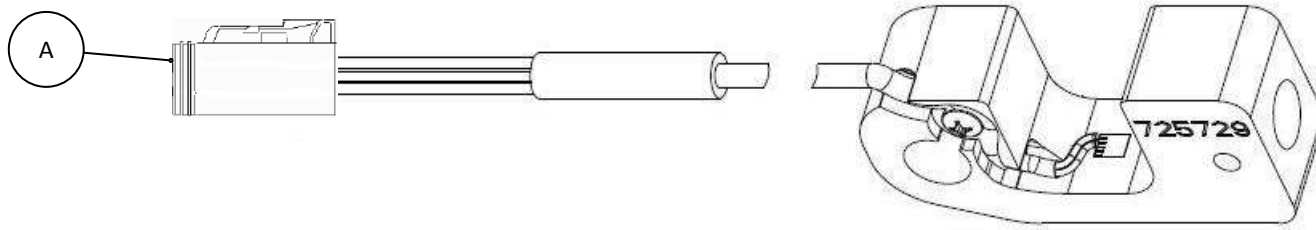
B -Kinze Seed Tube			
3 Pin Weatherpack			
12015793			
Pin	Function	Color	To
A	Signal	Green	AC
B	Ground	Black	AB
C	Power	Red	AA

Part #

725729

Part

White 8000



VIEW A

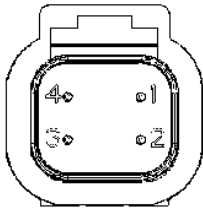
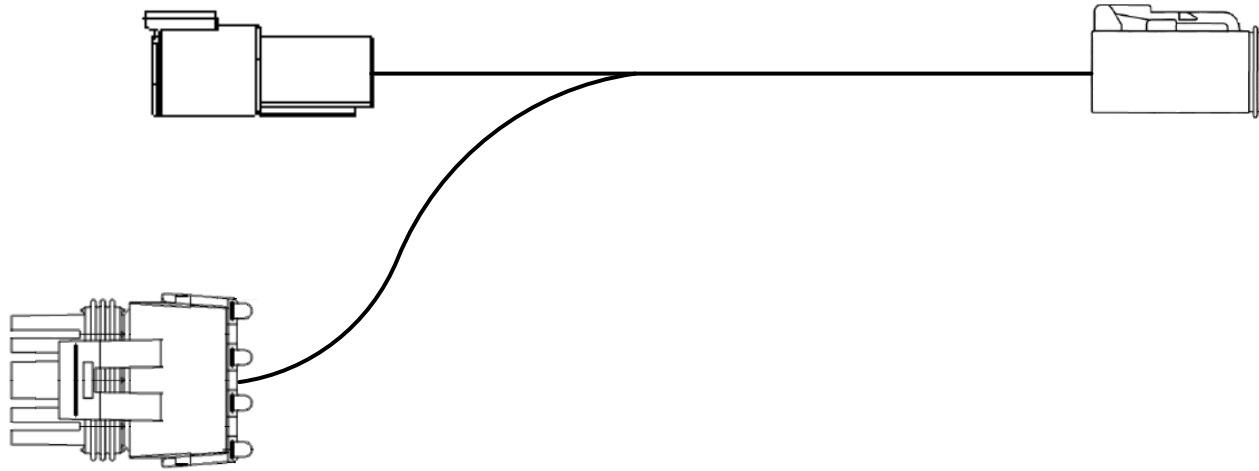
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

Part #

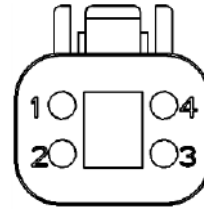
725746

Part

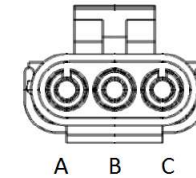
Exactmerge Splitter



VIEW A



VIEW B



VIEW C

A - OEM Sensor			
Deutsch DT04-4P			
Pin	Function	Color	To
1	Ground	Black	B1,C(B)
2	Seed Signal	Yellow	B2,C(A)
3	Power	Red	B3
4	Blockage Sensor	Blue	B4

B - Seed Sensor			
Deutsch DT06-4S			
Pin	Function	Color	To
1	Ground	Black	A1,C(B)
2	Seed Signal	Yellow	A2,C(A)
3	Power	Red	A3
4	Blockage Sensor	Blue	A4

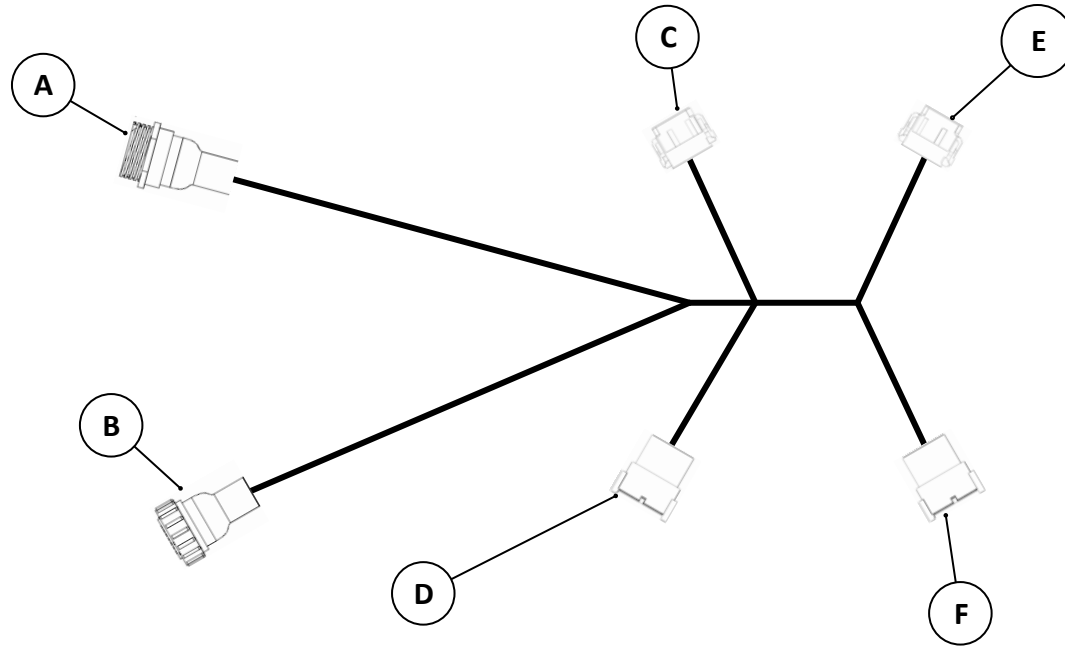
C - 20/20 Sensor Harness			
Weatherpack 12015793			
Pin	Function	Color	To
1	Seed Signal	Green	A2,B2
2	Ground	Black	A1,B1
3	Power	-	-

Part #

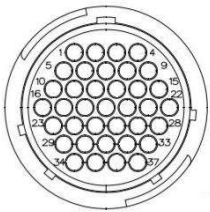
725838

Part

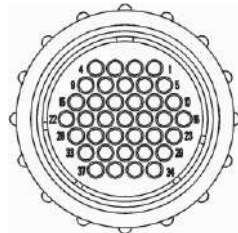
CIH Seed Sensor Module Adapter Harness



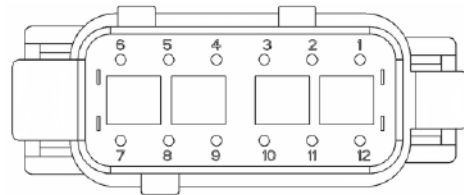
VIEW A



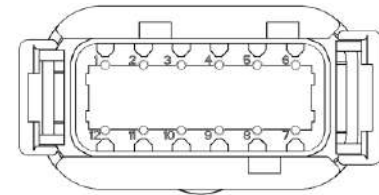
VIEW B



VIEW C



VIEW D



Go To 725XXX

A - From Smart Connector			
37 Pin AMP Receptacle			
TE 206151-2			

Pin	Function	Color	To
1	SEED OUT 1	Orange	C1
2	SEED OUT 2	Orange	C2
3	SEED OUT 3	Orange	C3
4	SEED OUT 4	Orange	C4
5	SEED OUT 5	Orange	C5
6	SEED OUT 6	Orange	C6
7	SEED OUT 7	Orange	C7
8	SEED OUT 8	Orange	C8
9	SEED OUT 9	Orange	C9
10	SEED OUT 10	Orange	C10
11	SEED OUT 11	Orange	C11
12	SEED OUT 12	Orange	C12
13	SEED OUT 13	Orange	E1
14	SEED OUT 14	Orange	E2
15	SEED OUT 15	Orange	E3
16	SEED OUT 16	Orange	E4
17	SEED OUT 17	Orange	E5
18	SEED OUT 18	Orange	E6
19	--	--	--
20	--	--	--
21	--	--	--
22	--	--	--
23	--	--	--
24	--	--	--
25	--	--	--
26	--	--	--
27	SENSOR PWR	Red	E9
28	SENSOR GND	Black	E10
29	SENSOR PWR	Red	E9
30	SENSOR GND	Black	E10

B - To Smart Connector			
37 Pin AMP Plug			
TE 206151-2			

Pin	Function	Color	To
1	SEED OUT 1	Orange	B1
2	SEED OUT 2	Orange	B2
3	SEED OUT 3	Orange	B3
4	SEED OUT 4	Orange	B4
5	SEED OUT 5	Orange	B5
6	SEED OUT 6	Orange	B6
7	SEED OUT 7	Orange	B7
8	SEED OUT 8	Orange	B8
9	SEED OUT 9	Orange	B9
10	SEED OUT 10	Orange	B10
11	SEED OUT 11	Orange	B11
12	SEED OUT 12	Orange	B12
13	SEED OUT 13	Orange	F1
14	SEED OUT 14	Orange	F2
15	SEED OUT 15	Orange	F3
16	SEED OUT 16	Orange	F4
17	SEED OUT 17	Orange	F5
18	SEED OUT 18	Orange	F6
19	--	--	--
20	--	--	--
21	--	--	--
22	--	--	--
23	--	--	--
24	--	--	--
25	--	--	--
26	--	--	--
27	SENSOR PWR	Red	F9
28	SENSOR GND	Black	F10
29	SENSOR PWR	Red	F9
30	SENSOR GND	Black	F10

Part #

725838

Part CIH Seed Sensor Module Adapter Harness

C - To Seed Module			D - From Planter Harness		
12 Pin Deutsch Plug			12 Pin Deutsch Receptacle		
DTM04-12SA			DTM04-12PA		

Pin	Function	To	Pin	Function	To
1	SEED 1	A1	1	SEED 1	B1
2	SEED 2	A2	2	SEED 2	B2
3	SEED 3	A3	3	SEED 3	B3
4	SEED 4	A4	4	SEED 4	B4
5	SEED 5	A5	5	SEED 5	B5
6	SEED 6	A6	6	SEED 6	B6
7	SEED 7	A7	7	SEED 7	B7
8	SEED 8	A8	8	SEED 8	B8
9	SEED 9	A9	9	SEED 9	B9
10	SEED 10	A10	10	SEED 10	B10
11	SEED 11	A11	11	SEED 11	B11
12	SEED 12	A12	12	SEED 12	B12

F - From Planter Harness			E - To Seed Module		
12 Pin Deutsch Receptacle			12 Pin Deutsch Plug		
DTM04-12PB			DTM04-12SB		

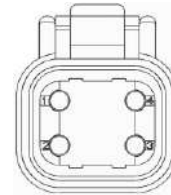
Pin	Function	To	Pin	Function	To
1	SEED 13	B1	1	SEED 13	B1
2	SEED 14	B2	2	SEED 14	B2
3	SEED 15	B3	3	SEED 15	B3
4	SEED 16	B4	4	SEED 16	B4
5	SEED 17	B5	5	SEED 17	B5
6	SEED 18	B6	6	SEED 18	B6
7	CAN2 H	E7	7	CAN2 H	E7
8	CAN2 L	E8	8	CAN2 L	E8
9	SENSOR PWR	B27,B29	9	SENSOR PWR	A27,A29
10	SENSOR GND	B28,B30	10	SENSOR GND	A28,A30
11	ECU PWR	E11	11	ECU PWR	F11
12	ECU GND	E12	12	ECU GND	F12

Part #

725866

Part

5/8 Pin 17x5 ME5



VIEW A

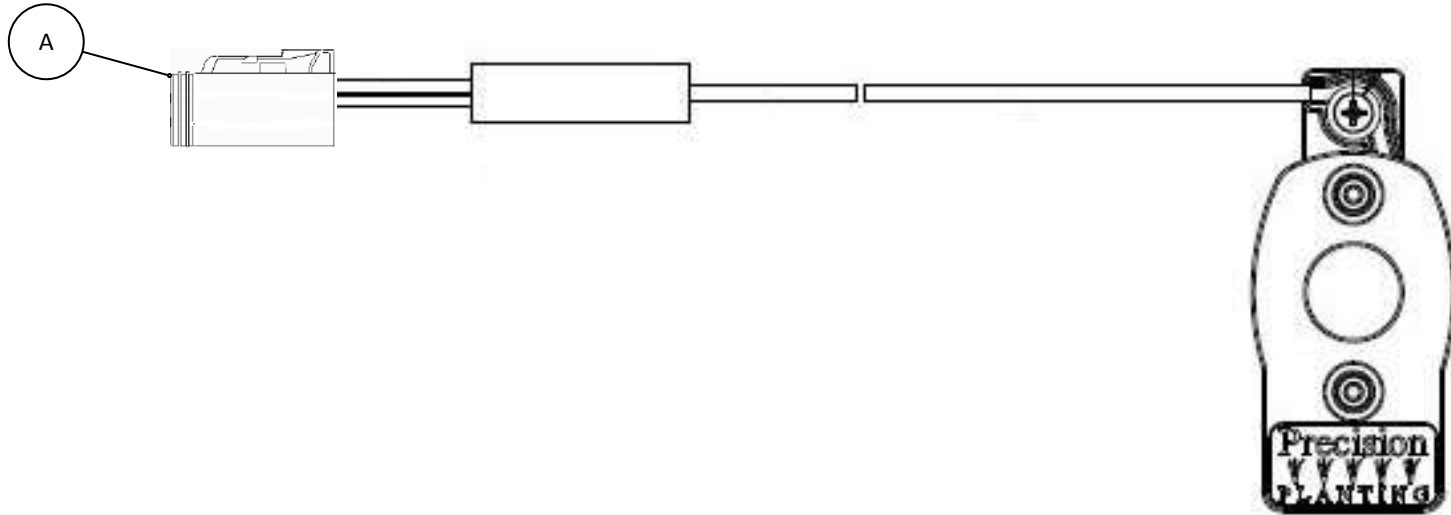
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

Part #

725875

Part

CNH Pin



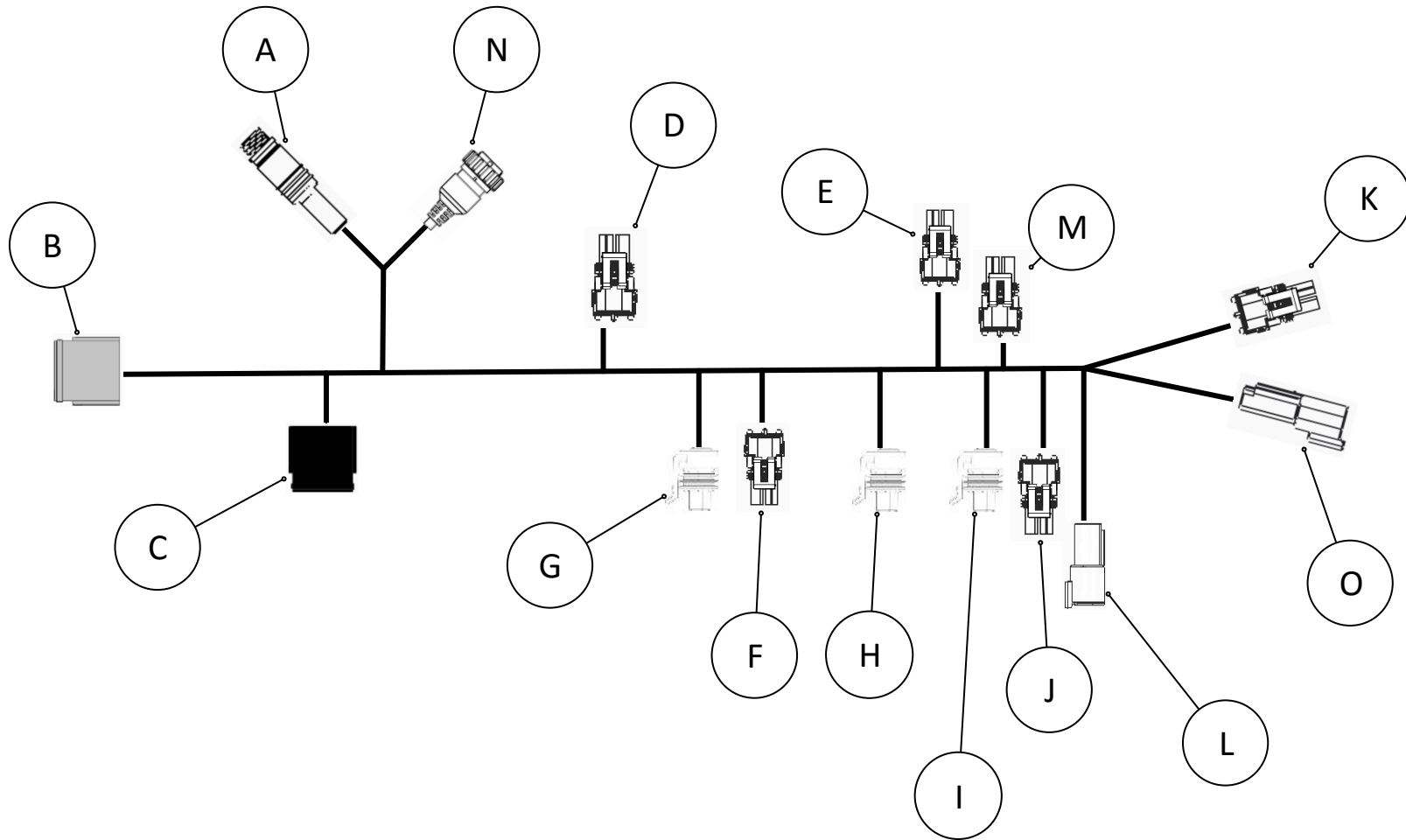
A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

726XXX

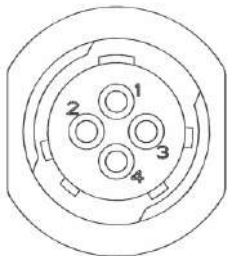
Contents

◆ 726086 AirForce Harness 12V Compressor	256
◆ 726087 Power Cable	259
◆ 726288 Tractor Cable & Adapter	260
◆ 726367 AirForce Hydraulic Compressor Harness	261
◆ 726608 Lift Switch	264

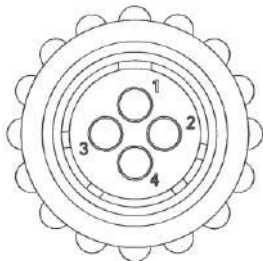
Part # 726086
Part AirForce Harness 12v Compressor



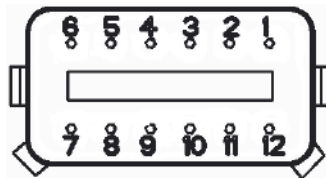
VIEW A



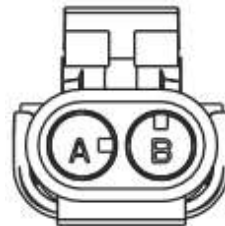
VIEW N



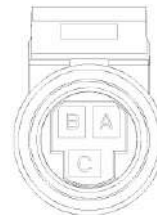
VIEW B-C



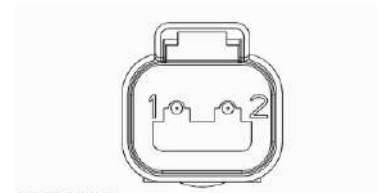
VIEW D-F,J,K,M



VIEW G-I



VIEW O



Go To 726XXX

A - From Display

4 Pin AMP Receptacle

206153-1

Pin	Function	Color	To
1	Ground	Black	C4, JB, N1
2	RS 485 (+)	Brown	C7, N2
3	Rs 485 (-)	Pink	C6, N3
4	12 Volt Power	Red	B8, DB, EB, FB, JA, KA, MB, N4

C - Black Plug AFM

12 Pin Deutsch

DT06-12S-12

Pin	Function	Color	To
1	Compressor Volt Detectio	Blue	O1
2	Not Used		
3	Compressor Temp (+)	Orange	L1
4	Ground	Black	A1, JB, N1
5	Down Vent (DV)	White	FA
6	RS 485 (-)	Pink	A3, N3
7	RS 485 (+)	Brown	A2, N2
8	Down Increase (DI)	White	MA
9	Lift Vent (LV)	White	DA
10	Lift Increase (LI)	White	EA
11	Compressor (-)	Black	KB
12	Compressor Volt Detect	Gray	O2

E - Lift Increase Solenoid

2 Pin Weather Pack Female

12015792

Pin	Function	Color	To
A	Lift Increase (LI)	White	C10
B	Lift Increase (LI) Power	Red	A4, B8, DB, FB, JA, KA,

B - Grey Plug AFM

12 Pin Deutsch

DT06-12S-12

Pin	Function	Color	To
1	Compressor Temp (-)	Green	L2
2	Not used		
3	Compressor Temp (+)	Orange	L1
4	Down PSI Signal	White	HC
5	Lift Pressure Signal	Blue	GC
6	Analog (+) 5 Volt	Red	GB, HB, IB
7	Not used		
8	12 Volt Power	Red	A4, DB, EB, FB, JA, KA, MB, N4
9	Sensor Ground	Green	GA, HA, IA
10	Tank PSI Signal	Purple	IC
11	Not used		
12	Not used		

D - Lift Vent Solenoid

2 Pin Weather Pack Female

12015792

Pin	Function	Color	To
A	Lift Vent (LV)	White	C9
B	Lift Vent (LV) Power	Red	A4, B8, EB, FB, JA, KA, MB, N4

G - Lift Pressure Sensor

Packard Plug

12078090

Pin	Function	Color	To
A	Sensor Ground	Green	B9, HA, IA
B	Analog (+) 5 Volt	Red	B6, HB, IB
C	Lift PSI Signal	Blue	B5

Part #

726086

Part AirForce Harness 12v Compressor

F - Down Vent Solenoid

2 Pin Weather Pack Female

12015792

Pin	Function	Color	To
A	Down Vent (DV)	White	C5
B	Down Vent (DV) Power	Red	A4, B8, DB, EB, JA, KA, MB, N4

H - Down Pressure Sensor

Packard Plug

12078090

Pin	Function	Color	To
A	Sensor Ground	Green	B9, HA, IA
B	Analog (+) 5 Volt	Red	B6, GB, IB
C	Down PSI Signal	White	B4

Go To 726XXX

Part #

726086

Part AirForce Harness 12v Compressor

I - Tank Pressure Sensor			
Packard Plug			
12078090			

Pin	Function	Color	To
A	Sensor Ground	Green	B9, GA, IA
B	Analog (+) 5 Volt	Red	B6, GB, HB
C	Tank PSI Signal	Purple	B10

K - Compressor Relay			
2 Pin Weather Pack Female			
12015792			

Pin	Function	Color	To
A	Compressor Relay +12	Red	A4, B8, DB, EB, FB, JA, MB, N4
B	Compressor (-)	Black	C11

M - Down Increase Solenoid			
2 Pin Weather Pack Female			
12015792			

Pin	Function	Color	To
A	Down Increase (DI)	White	C8
B	Down Increase (DI) Power	Red	MB

O - Compressor Detection			
2 Pin Deutsch Gray Plug			
DT04-2P			

Pin	Function	Color	To
1	Compressor Detect	Blue	C1
2	Compressor Detect	Gray	C12

J - Diagnostic Connector 12v			
2 Pin Weather Pack Female			
12015792			

Pin	Function	Color	To
A	12 Volt Power	Red	A4, B8, DB, EB, FB, KA, MB, N4
B	Ground	Black	A1, C4, N1

L - Compressor Temperature Sensor			
2 Pin Deutsch Gray Receptacle			

Pin	Function	Color	To
1	Compressor Temp (+)	Orange	B3
2	compressor Temp (-)	Green	B1

N - Auxiliary Power Connector			
4 Pin AMP Plug			
206060-1			

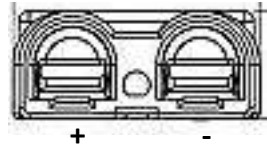
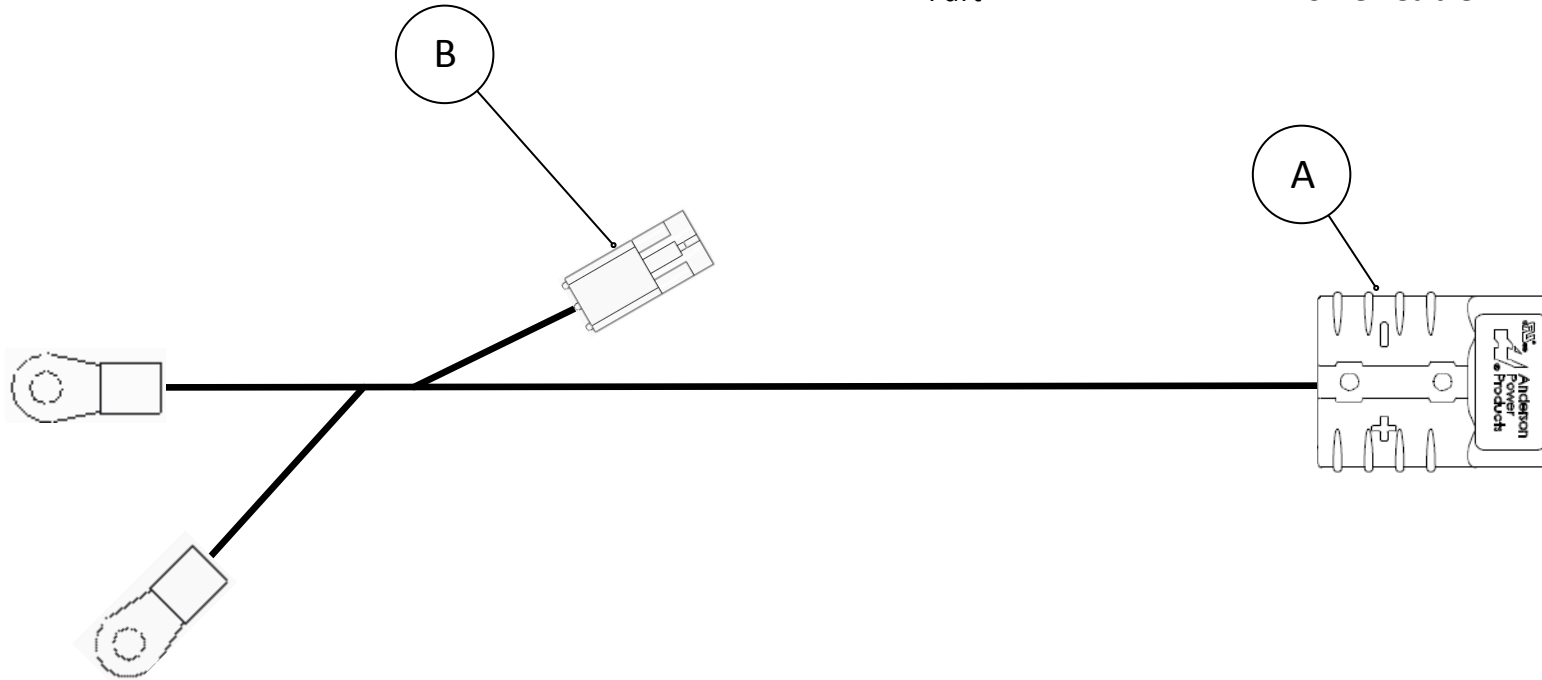
Pin	Function	Color	To
1	Ground	Black	A1, C4, JB
2	RS 485 (+)	Brown	A2, C7
3	RS 485 (-)	Pink	A3, C6
4	12 Volt Power	Red	A4, B8, DB, EB, FB, JA, KA, MB

Part #

726087

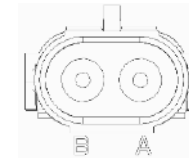
Part

Power Cable



VIEW A

B - 2 Pin Power			
2 Pin Deutsch Receptacle			
1060-20-0144			
Pin	Function	Color	To
1	Power	Red	A
2	Ground	Black	B



VIEW B

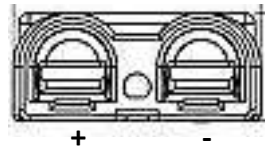
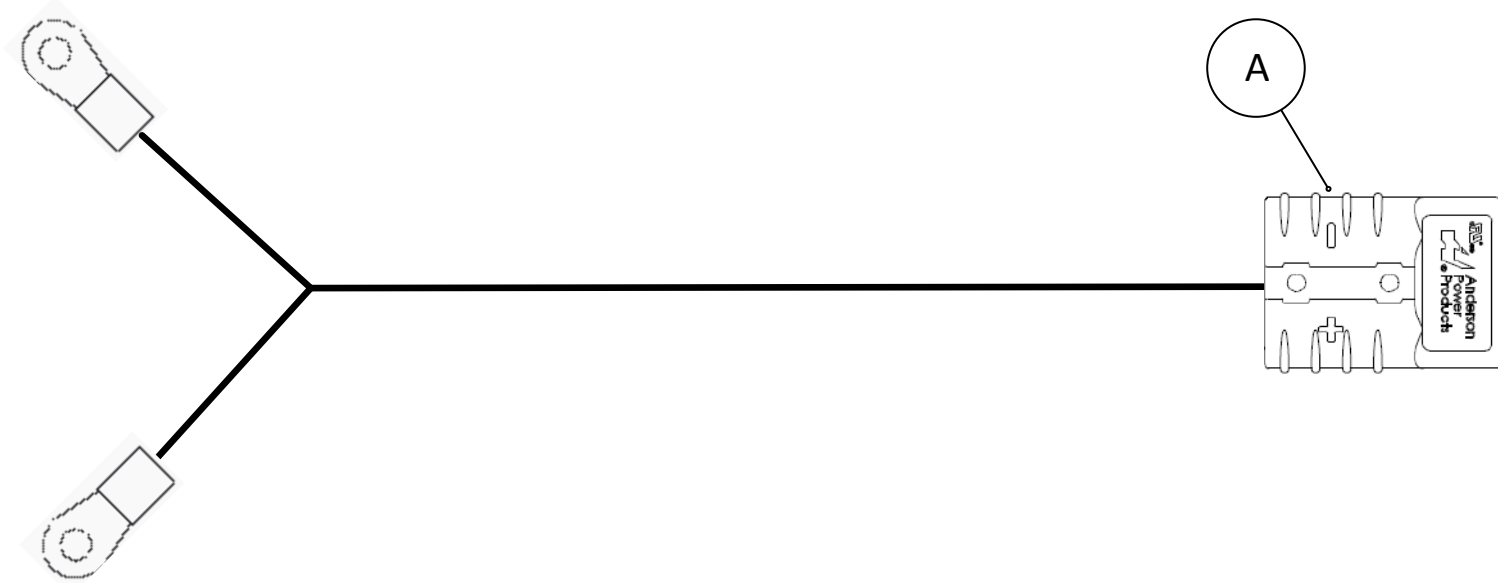
C - Electric Power Output			
2 Pin 50A Gray Anderson			
SB50			
Pin	Function	Color	To
+	Power	Red	A
-	Ground	Black	B

Part #

726288

Part

Tractor Cable & Adapter



VIEW A

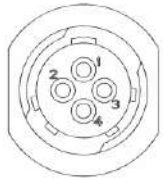
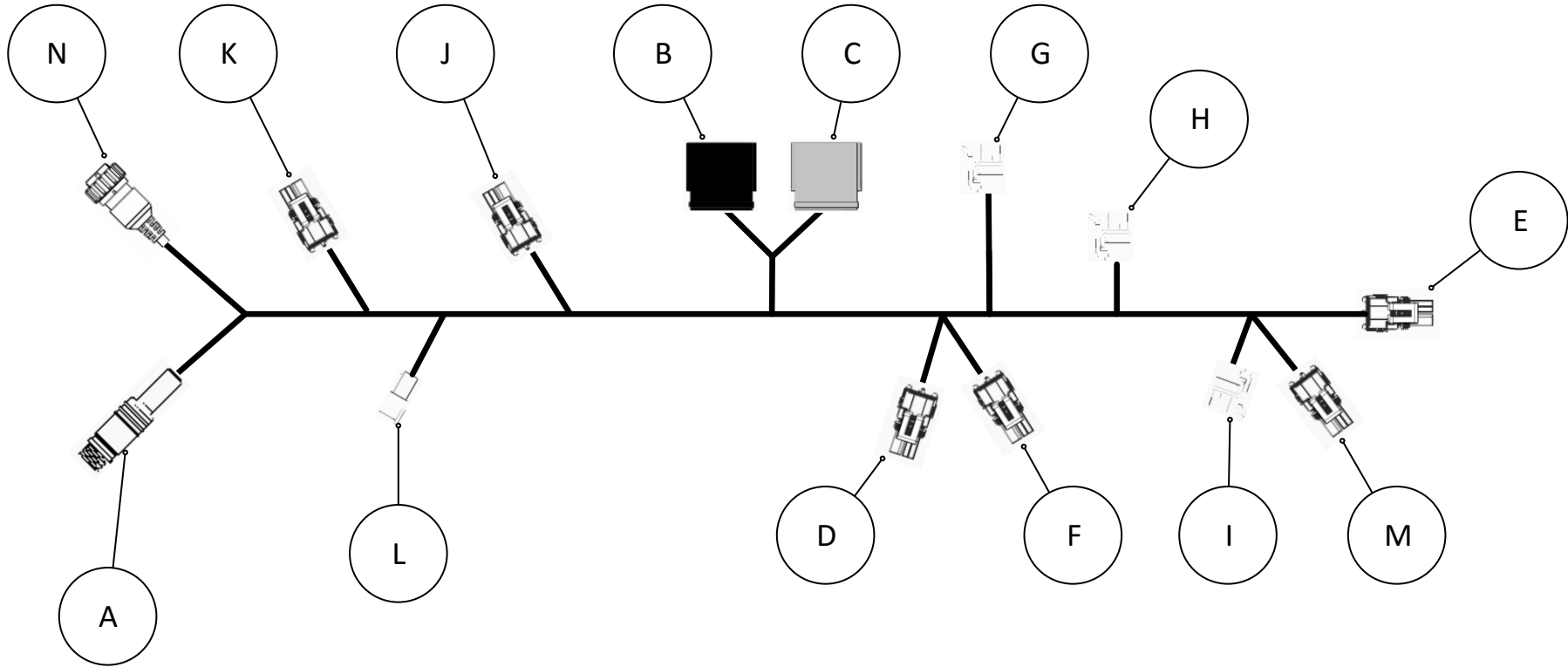
A - Electric Power Output			
2 Pin 50A Gray Anderson			
SB50			
Pin	Function	Color	To
+	Power	Red	A
-	Ground	Black	B

Part #

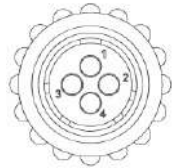
726367

Part

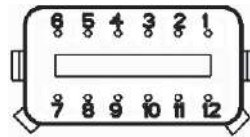
AirForce Hydraulic Compressor Harness



VIEW A



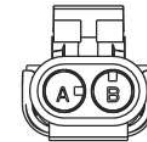
VIEW N



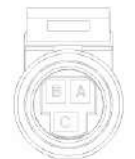
VIEW B,C



VIEW L



VIEW D-F, J-M



VIEW G-I

A - RS485 From Display

4 Pin AMP Receptacle

206153

Pin	Function	Color	To
1	Ground	Black	C4, JB, N1
2	RS 485+	Brown	C7, N2
3	RS 485-	Pink	C6, N3
4	12V +	Red	B8, DB, EB, FB, JA, KA, MB, N4

B - Grey AFM

12 Pin Deutsch Grey

DT06-12S Grey

Pin	Function	Color	To
1	Comp Temp (-)	Green	L2
2	NA	NA	
3	Comp Temp (+)	Orange	L1
4	Down PSI Signal	White	HC
5	Lift PSI Signal	Blue	GC
6	Analog 5V	Red	GB, HB, IB
7	NA	NA	
8	12V+	Red	A4, DB, EB, FB, JA, KA, MB, N4
9	Sensor Ground	Green	GA, HA, IA
10	Tank PSI Signal	Purple	IC
11	NA	NA	
12	NA	NA	

C - Black AFM

12 Pin Deutsch Black

DT06-12S Black

Pin	Function	Color	To
1	NA	NA	
2	NA	NA	
3	NA	NA	
4	Ground	Black	A1, JB, N1
5	Down Vent	White	FA
6	RS485-	Pink	A3, N3
7	RS485+	Brown	A2, N2
8	Down Increase	White	MA
9	Lift Vent	White	DA
10	Lift Increase	White	EA
11	Compressor (-)	Black	KB
12	NA	NA	

D - Lift Vent

2 Pin WeatherPack Plug

12015792

Pin	Function	Color	To
A	Lift Vent (GD)	White	C9
B	12V+	Red	A4, B8, EB, FB, JA, KA, MB, N4

E - Lift Increase

2 Pin WeatherPack Plug

12015792

Pin	Function	Color	To
A	Lift Increase (GD)	White	C10
B	12V+	Red	A4, B8, DB, EB, JA, KA, MB, N4

F - Down Vent

2 Pin WeatherPack Plug

12015792

Pin	Function	Color	To
A	Down Vent (GD)	White	C5
B	12V+	Red	A4, B8, DB, EB, JA, KA, MB, N4

Part #

726367

Part AirForce Hydraulic Compressor Harness

G - Lift Pressure

3 Pin Packard Plug

12078090

Pin	Function	Color	To
1	Sensor Ground	Green	B9, HA, IA
2	Analog 5V	Red	B6, HB, IB
3	Lift PSI Signal	Blue	B5

H - Down Pressure

3 Pin Packard Plug

12078090

Pin	Function	Color	To
1	Sensor Ground	Green	B9, GA, IA
2	Analog 5V	Red	B6, GB, IB
3	Down PSI Signal	White	B4

Go To 726XXX

I - Tank Pressure			
3 Pin Packard Plug			
12078090			
Pin	Function	Color	To
1	Sensor Ground	Green	B9, GA, HA
2	Analog 5V	Red	B6, GB, HB
3	Tank PSI Signal	Purple	B10

J - Diagnostic 12V			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
1	12V+	Red	A4, B8, DB, EB, FB, KA, MB, N4
2	Ground	Black	A1, C4, N1

K - Compressor Relay			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Comp Relay 12V	Red	A4, B8, DB, EB, FB, JA, MB, N4
B	Comp (-)	Black	C11

L - Compressor Temp			
2 Pin Deutsch Receptacle			
DT06-2P			
Pin	Function	Color	To
1	Comp Temp (+)	Orange	B3
2	Comp Temp (-)	Green	B1

M - Down Increase			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Ground	White	C8
B	12V+	Red	A4, B8, DB, EB, FB, JA, KA, N4

N - RS485 to Smart Connector			
4 Pin AMP Receptacle			
206060			
Pin	Function	Color	To
1	Ground	Black	A1, C4, JB
2	RS 485+	Brown	A2, C7
3	RS 485-	Pink	A3, C6
4	12V +	Red	A4, B8, DB, EB, FB, JA, KA, MB

Part #

726367

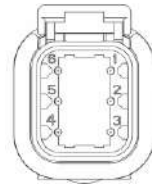
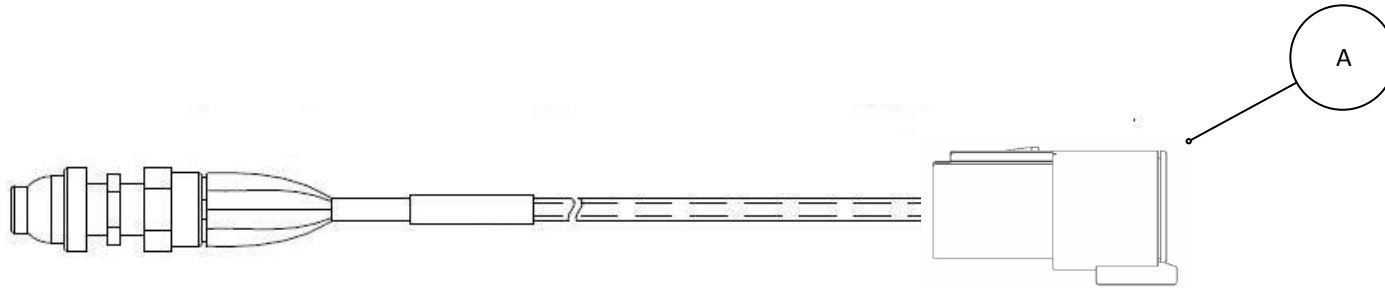
Part AirForce Hydraulic Compressor Harness

Part #

726608

Part

Lift Switch



VIEW A

A- Lift Switch to AUX			
6 Pin Deutsch			
DTM04-6P			
Pin	Function	Color	From
1	Resistor, 10K		
2	Resistor, 1.4K		
3	Signal	White	3
4	Unused		
5	Unused		
6	Signal	Black	6

727XXX

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Part #

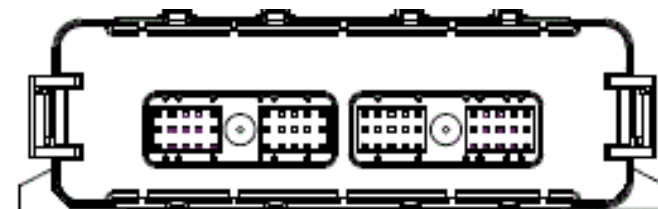
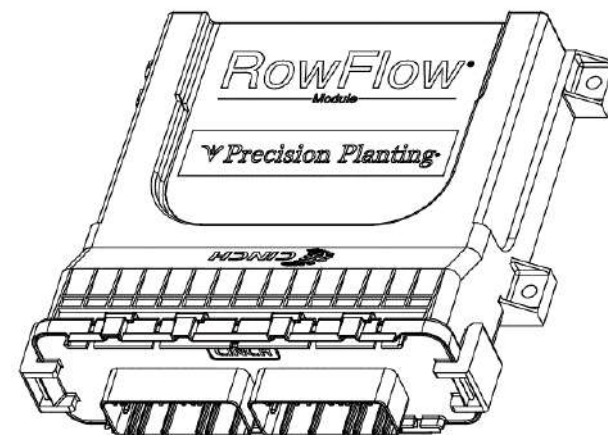
727001

Part

Row Flow Module

A - Row Flow Module		
Cinch Plug		
581-01-030-028		
Pin	Function	To
(A) L1	Power +5V	LED (+), Q4
(A) L2	LED	LED (-)
(A) L3	Power +12V	M7,M9,N7,N9,OA
(A) M1	Not Used	-
(A) M2	Not Used	-
(A) M3	Analog Ground	C4,D4,E4,R2
(A) N1	RX from GPS	Q2
(A) N2	TX to Rawson	(L) L3
(A) N3	RX from Rawson	(L) L2
(A) P1	TX to GPS	Q3
(A) P2	CAN A HI	M6,N6
(A) P3	CAN A LO	M2,N2
(A) R1	CAN B HI	M8,N8
(A) R2	CAN B LO	M4,N4
(A) R3	CAN Shield	M5,N5
(A) S1	Height Signal	R1
(A) S2	Not Used	-
(A) S3	Not Used	-
(A) T1	Not Used	-
(A) T2	Battery Ground	C7,D7,E7,FA,GA,HA,IA,JA,KA,PB
(A) T3	Not Used	-
(A) W1	Speed Signal 2	D3
(A) W2	Speed Signal 1	C3
(A) W3	Speed Signal 3	E3
(A) X1	Pressure Signal 3	E5
(A) X2	Pressure Signal 1	C5
(A) X3	Harness ID	T
(A) Y1	Pressure Signal 2	D5
(A) Y2	Temp Signal	C6
(A) Y3	Ground	L5,M1,M3,N1,N3,OB,Q1,S

B - Row Flow Module		
Cinch Plug		
581-01-030-029		
Pin	Function	To
(B) A1	Battery +12V	PA
(B) A2	Swath 16	IE
(B) A3	VRD 3	E2
(B) B1	Swath 06	GC
(B) B2	Swath 22	KC
(B) B3	Swath 13	IB
(B) C1	VRD 1	C2
(B) C2	Swath 15	ID
(B) C3	Swath 21	KB
(B) D1	Swath 08	GE
(B) D2	Swath 05	GB
(B) D3	Swath 20	JE
(B) E1	Swath 24	KE
(B) E2	Swath 14	IC
(B) E3	Swath 07	GD
(B) F1	Swath 04	FE
(B) F2	Swath 12	HE
(B) F3	Projected +12V	C1,D1,E1,R3
(B) G1	Swath 19	JD
(B) G2	Swath 11	HD
(B) G3	Swath 03	FD
(B) H1	VRD 2	D2
(B) H2	Swath 18	JC
(B) H3	Swath 10	HC
(B) J1	Swath 02	FC
(B) J2	Swath 23	KD
(B) J3	Swath 01	FB
(B) K1	Battery +12V	PA
(B) K2	Swath 17	JB
(B) K3	Swath 09	HB

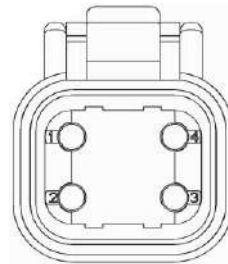
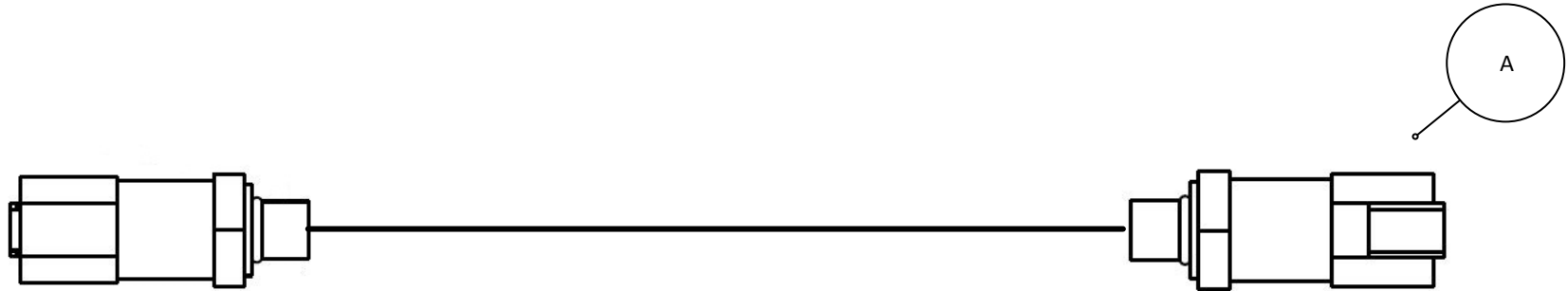


Part #

727007

Part

Pressure and Temperature Sensor



VIEW A

A - Sensor Output			
4 Pin Deutsch			
DTM06-4S			
Pin	Function	Color	To
1	Ground		
2	Power		
3	Temp Signal		
4	Pressure Signal		

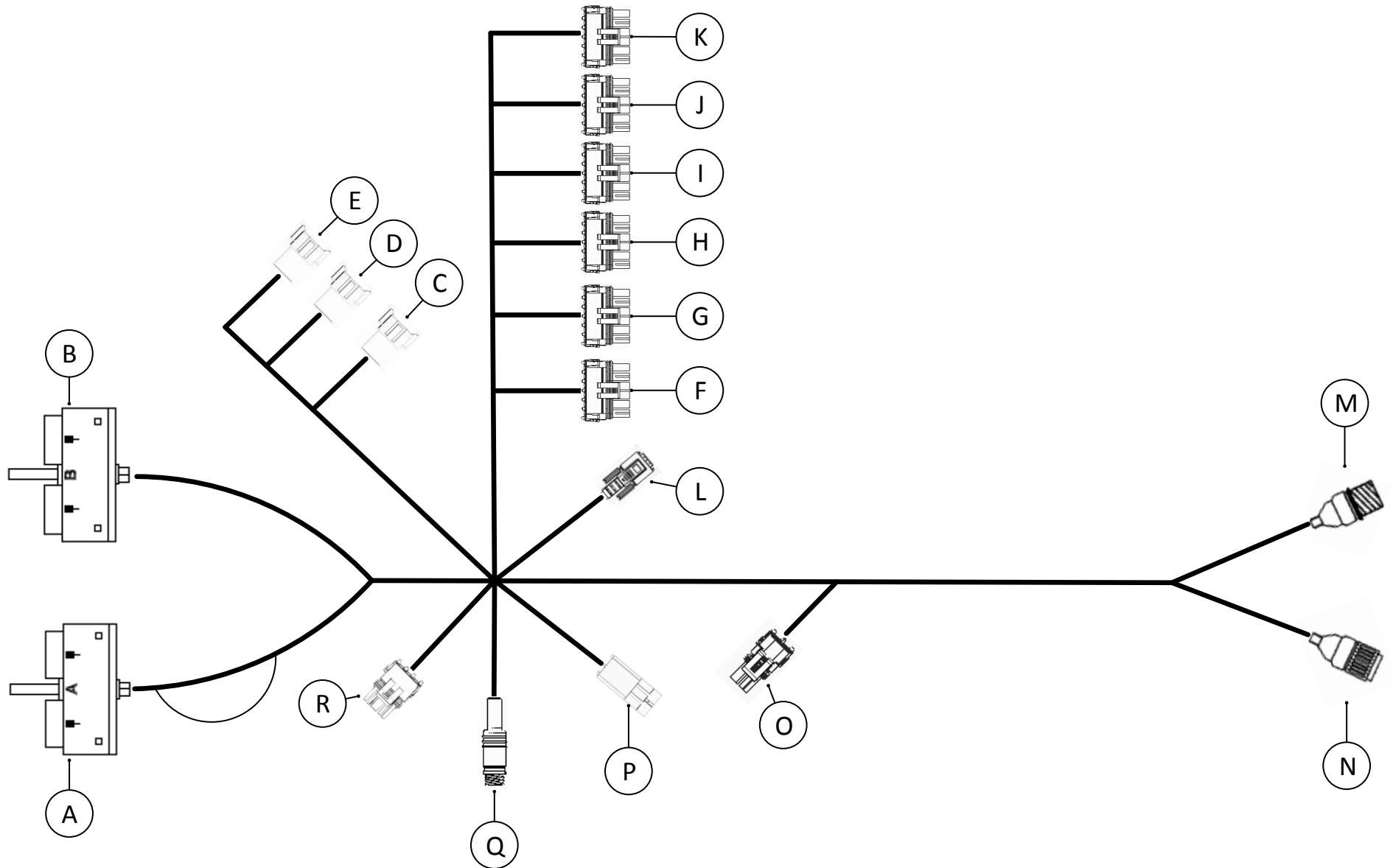
Go To 727XXX

Part #

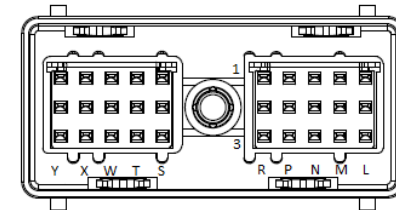
727011

Part

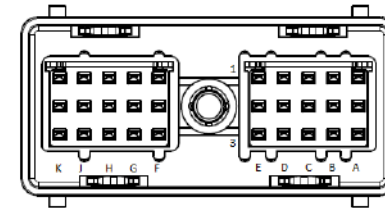
Row Flow Base Harness



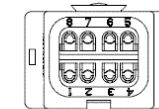
Row Flow Base Harness



VIEW A



VIEW B

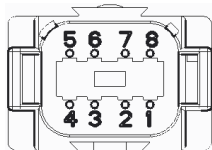


VIEW C-E

A - Row Flow Module		
Cinch Plug		
581-01-030-028		
Pin	Function	To
(A) L1	Power +5V	LED (+), Q4
(A) L2	LED	LED (-)
(A) L3	Power +12V	M7,M9,N7,N9OA
(A) M1	Not Used	-
(A) M2	Not Used	-
(A) M3	Analog Ground	C4,D4,E4,R2
(A) N1	RX from GPS	Q2
(A) N2	TX to Rawson	(L) L2
(A) N3	RX from Rawson	(L) L3
(A) P1	TX to GPS	Q3
(A) P2	CAN A HI	M6,N6
(A) P3	CAN A LO	M2,N2
(A) R1	CAN B HI	M8,N8
(A) R2	CAN B LO	M4,N4
(A) R3	CAN Shield	M5,N5
(A) S1	Height Signal	R1
(A) S2	Not Used	-
(A) S3	Not Used	-
(A) T1	Not Used	-
(A) T2	Battery Ground	C7,D7,E7,FA,GA,H A,IA,JA,KA,PB
(A) T3	Not Used	-
(A) W1	Speed Signal 2	D3
(A) W2	Speed Signal 1	C3
(A) W3	Speed Signal 3	E3
(A) X1	Pressure Signal 3	E5
(A) X2	Pressure Signal 1	C5
(A) X3	Harness ID	To
(A) Y1	Pressure Signal 2	D5
(A) Y2	Temp Signal	C6
(A) Y3	Ground	L5,M1,M3,N1,N3, OB,Q1,S

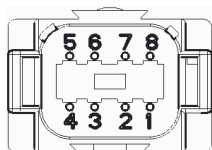
B - Row Flow Module		
Cinch Plug		
581-01-030-029		
Pin	Function	To
(B) A1	Battery +12V	PA
(B) A2	Swath 16	IE
(B) A3	VRD 3	E2
B1	Swath 06	GC
B2	Swath 22	KC
B3	Swath 13	IB
(B) C1	VRD 1	C2
(B) C2	Swath 15	ID
(B) D3	Swath 21	KB
(B) D1	Swath 08	GE
(B) D2	Swath 05	GB
(B) D3	Swath 20	JE
(B) E1	Swath 24	KE
(B) E2	Swath 14	IC
(B) E3	Swath 07	GD
(B) F1	Swath 04	FE
(B) F2	Swath 12	HE
(B) F3	Projected +12V	C1,D1,E1,R3
(B) G1	Swath 19	JD
(B) G2	Swath 11	HD
(B) G3	Swath 03	FD
(B) H1	VRD 2	D2
(B) H2	Swath 18	JC
(B) H3	Swath 10	HC
(B) J1	Swath 02	FC
(B) J2	Swath 23	KD
(B) J3	Swath 01	FB
(B) K1	Battery +12V	PA
(B) K2	Swath 17	JB
(B) K3	Swath 09	HB

C - Hydraulic Drives		
Deutsch 8 Pin Receptacle		
DT04-8P		
Pin	Function	To
C1	Sensor Power +12V	(B)F3,D1,E1
C2	Valve Power +12V	(B)C1
C3	Speed Sensor Signal	(A)W2
C4*	Sensor Ground	(A)M3,D4,E4,R2
C5	Pressure Signal	(A)X2
C6	Temp Signal	(A)Y2
C7	Valve Ground	(A)T2,D7,E7,FA,GA, HA,IA,JA,KA,PB
C8	Not Used	-



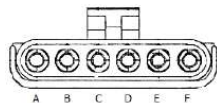
VIEW D

D - Hydraulic Drives		
Deutsch 8 Pin Receptacle		
DT04-8P		
Pin	Function	To
D1	Sensor Power +12V	(B) F3,C1,E1
D2	Valve Power +12V	(B) H1
D3	Speed Sensor Signal	(A) W1
D4*	Sensor Ground	(A)M3,C4,E4,R2
D5	Pressure Signal	(A) Y1
D6	Temp Signal	-
D7	Valve Ground	(A)T2,C7,E7,FA,GA,HA,IA,JA,KA,PB
D8	Not Used	-



VIEW E

E - Hydraulic Drives		
Deutsch 8 Pin Receptacle		
DT04-8P		
Pin	Function	To
E1	Sensor Power +12V	(B) F3,C1,D1
E2	Valve Power +12V	(B) A3
E3	Speed Sensor Signal	(A) W3
E4*	Sensor Ground	(A)M3,C4,D4,R2
E5	Pressure Signal	(A) X1
E6	Temp Signal	-
E7	Valve Ground	(A)T2,C7,D7,E7,FA,HA,IA,JA,KA,PB
E8	Not Used	-



VIEW F-K

F - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
FA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
FB	Output 1	(B)J3
FC	Output 2	(B)J1
FD	Output 3	(B)G3
FE	Output 4	(B)F1
FF	Not Used	-

G - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
GA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
GB	Output 1	(B)D2
GC	Output 2	(B)B1
GD	Output 3	(B)E3
GE	Output 4	(B)D1
GF	Not Used	-

H - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
HA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
HB	Output 1	(B)K3
HC	Output 2	(B)H3
HD	Output 3	(B)G2
HE	Output 4	(B)F2
HF	Not Used	-

Part #

727011

Part

Row Flow Base Harness

I - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
IA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
IB	Output 1	(B)B3
IC	Output 2	(B)E2
ID	Output 3	(B)C2
IE	Output 4	(B)A2
IF	Not Used	-

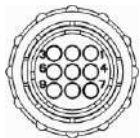
J - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
JA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
JB	Output 1	(B)K2
JC	Output 2	(B)H2
JD	Output 3	(B)G1
JE	Output 4	(B)D3
JF	Not Used	-

K - Row Unit Clutches		
6 Pin WeatherPack Plug		
12015799		
Pin	Function	To
KA	Ground	(A)T2,C7,E7,GA,HA,IA,JA,KA,PB
KB	Output 1	(B)C3
KC	Output 2	(B)B2
KD	Output 3	(B)J2
KE	Output 4	(B)E1
KF	Not Used	-



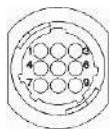
VIEW L

L - Serial Output		
9 Pin Female		
DSUB Serial		
Pin	Function	To
1	Not Used	-
2	TX	(A)N3
3	RX	(A)N2
4	DTR	-
5	Ground	(M)1,(M)3,(N)1,(N) ((O)B,(Q)1
6	DSR	L(4)
7	RTS	-
8	CTS	L(7)



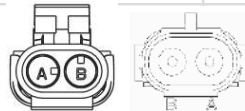
VIEW M

M - CAN		
9 Pin Amp Receptacle		
788159-2		
Pin	Function	To
1	Ground	(A)Y3,L5,M3,N1,N3 ,OB,Q1,S
2	CAN A LO	(A)P3,N2
3	Ground	(A)Y3,L5,M1,N1,N3 ,OB,Q1,S
4	CAN B LO	(A)R2,N4
5	CAN Shield	(A)R3,N5
6	CAN A HI	(A)P2,N6
7	Power +12V	(A)L3,M9,N7,N9,O A
8	CAN B HI	(A)R1,N8
9	Power +12V	(A)L3,M7,N7,N9,O A



VIEW N

N - CAN		
9 Pin Amp Receptacle		
788159-2		
Pin	Function	To
1	Ground	(A)Y3,L5,M1,M3,N 3,OB,Q1,S
2	CAN A LO	(A)P3,N2
3	Ground	(A)Y3,L5,M1,M3,N 3,OB,Q1,S
4	CAN B LO	(A)R2,M4
5	CAN Shield	(A)R3,N5
6	CAN A HI	(A)P2,M6
7	Power +12V	(A)L3,M7,M9,N9,O A
8	CAN B HI	(A)R1,N8
9	Power +12V	(A)L3,M7,M9,N7,O A



VIEW O & P

O - Auxiliary Power		
2 Pin WeatherPack Plug		
12015792		
Pin	Function	To
OA	Power +12V	(A)L3,M7,M9,N7,N 9
OB	Ground	(A)Y3,L5,M1,M3,N 3,OB,Q1,S

P - Auxiliary Power		
2 Pin WeatherPack Receptacle		
12015793		
Pin	Function	To
OA	Power +12V	(B)K1, (B)A1
OB	Ground	(A)T2,C7,D7,E7,FA, GA,HA,IA,JA,KA

Part #

727011

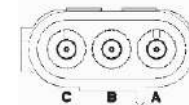
Part

Row Flow Base Harness



VIEW Q

Q - Secondary GPS Input		
4 Pin Amp Receptacle		
796096-2		
Pin	Function	To
1	Ground	(A)Y3,L5,M1,M3,N 3,OB,Q1,S
2	RX from GPS	(A)N1
3	TX to GPS	(A)P1
4	Power +5V	(A)L1,LED(+)



VIEW R

R - Height Sensor		
3 Pin WeatherPack Plug		
12015793		
Pin	Function	To
1	Signal	(A)S1
2	Ground	(A)M3,C4,D4,E4
3	Power +12V	(B)F3,C1,D1,E1

S - Disconnect		
Panduit Female Disconnect		
DNF18-250FIB		
Pin	Function	To
1	Signal	(A)Y3,L5,M1,M 3,N1,N3,OB,Q1

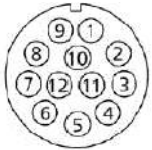
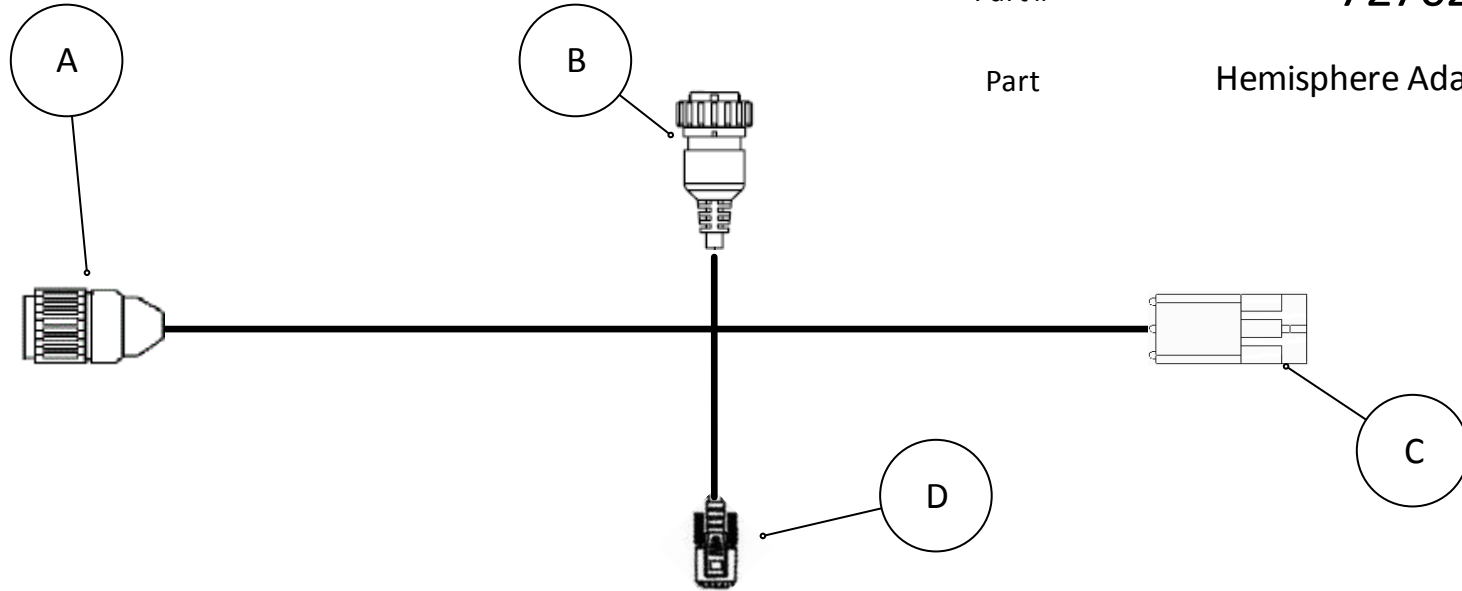
T - Disconnect		
Panduit Female Disconnect		
DNF18-250FIM		
Pin	Function	To
1	Signal	(A)X3

Part #

727027

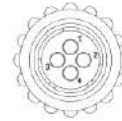
Part

Hemisphere Adapter Harness



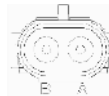
VIEW A

A - Receiver			
12 Pin Deutsch Plug			
IMC26-2212X			
Pin	Function	Color	To
1	Not Used	-	-
2	TX B	-	D2
3	RX B	-	D3
4	Not Used	-	-
5	Signal Ground	-	B1, D5
6	TX A	-	B2
7	Not Used	-	-
8	RX A	-	B3
9	Not Used	-	CA
10	Power +12 V	-	CA
11	Speed Out	-	-
12	Power Ground	-	B1, D5



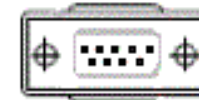
VIEW B

B - GPS Port			
4 Pin AMP Plug			
206060-1			
Pin	Function	Color	To
1	Signal Ground	-	A5, D5
2	TX A	-	A6
3	RX A	-	A8
4	Not Used	-	-



VIEW C

C - Row Clutch			
2 Pin WeatherPack Receptacle			
12010973			
Pin	Function	Color	To
A	Power +12 V	-	A10
B	Power Ground	-	A11



VIEW D

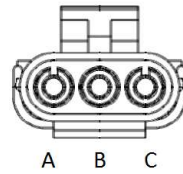
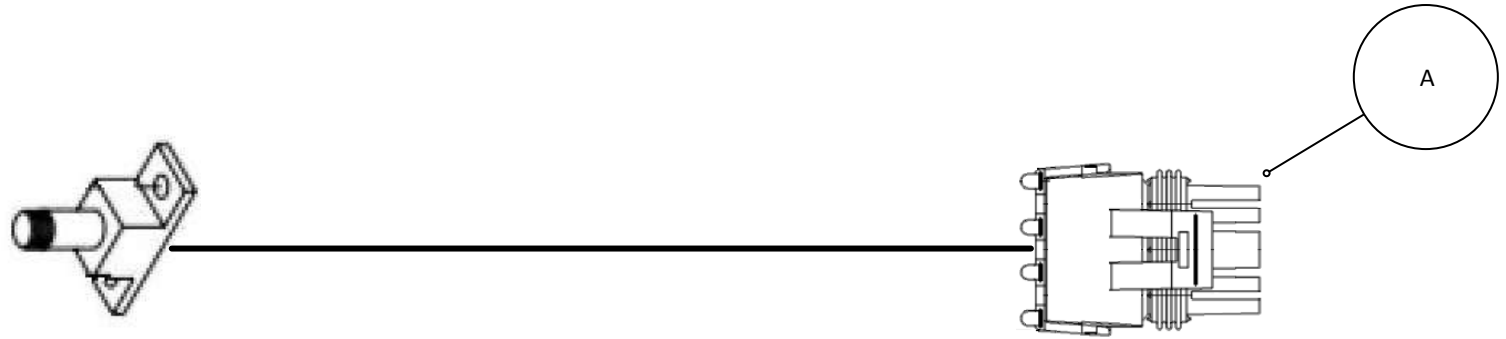
D - Serial			
9 Pin Serial Female			
D89			
Pin	Function	Color	To
1	Not Used	-	-
2	TX B	-	A2
3	RX B	-	A3
4	Not Used	-	-
5	Signal Ground	-	A5, B1
6-9	Not Used	-	-

Part #

727048

Part

Speed Sensor, Hydraulic Motor



VIEW A

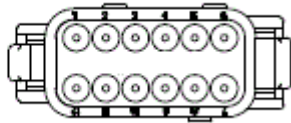
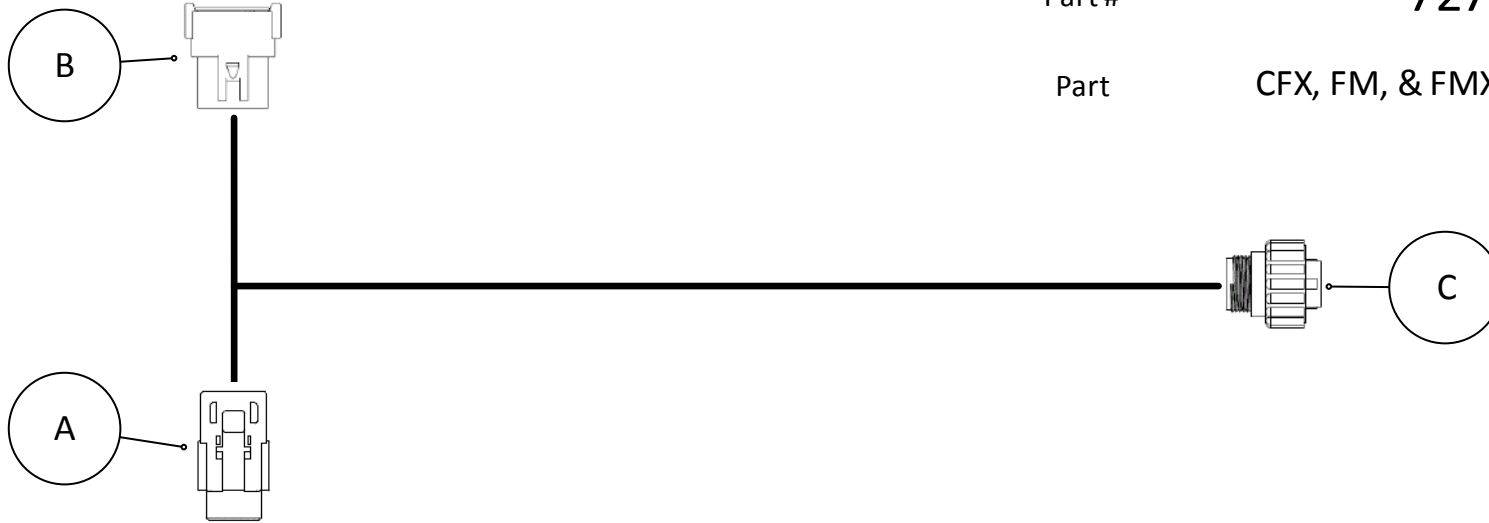
A - Speed Sensor Output			
3 Pin Weather Pack			
12015793			
Pin	Function	Color	To
A	Power		
B	Ground		
C	Signal		

Part #

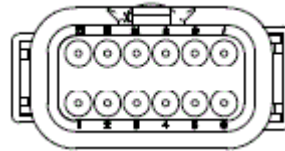
727060

Part

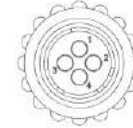
CFX, FM, & FMX Adapter Harness



VIEW A



VIEW B

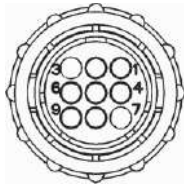
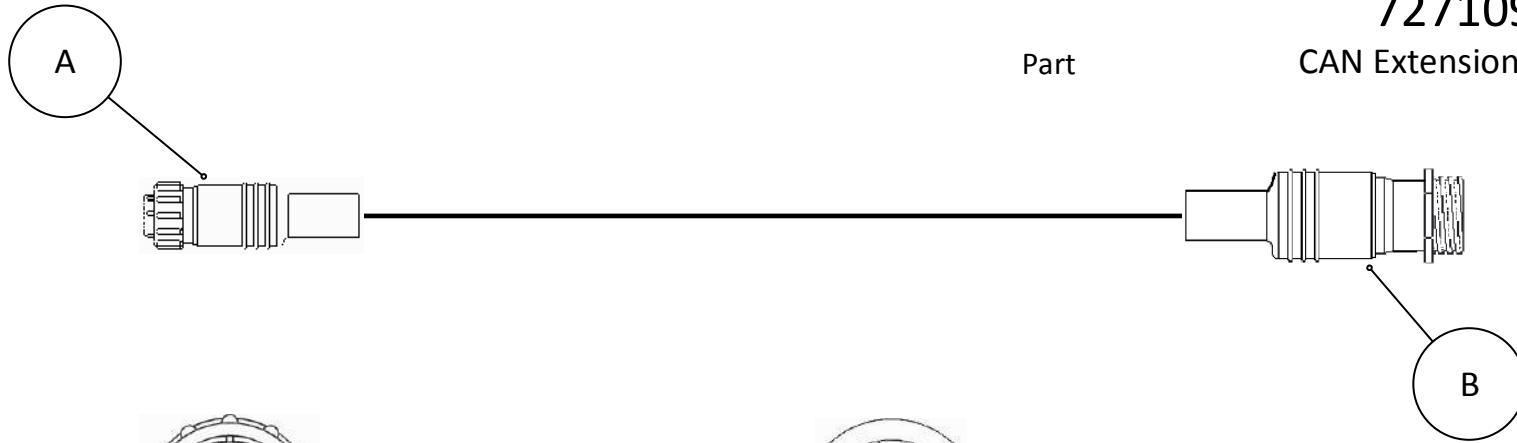


VIEW C

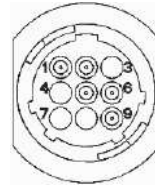
A - GPS Display				B - GPS Display			
12 Pin Deutsch Plug				12 Pin Deutsch Receptacle			
DTM06-12S				DTM04-12P			
Pin	Function	Color	To	Pin	Function	Color	To
1	CAN A High I/O	-	B1	1	CAN A High I/O	-	A1
2	Dig Out	-	B2	2	Dig Out	-	A2
3	GPS TX	-	B3, C3	3	GPS TX	-	A3, C3
4	GPS RX	-	B4, C2	4	GPS RX	-	A4, C2
5	GPS GND	-	C1, B5	5	GPS GND	-	A5, C1
6	Not Used	-	-	6	Not Used	-	-
7	Video In	-	B7	7	Video In	-	A7
8	Video Ground	-	B8	8	Video Ground	-	A8
9	Power Ground	-	B9	9	Power Ground	-	A9
10	Power +12V	-	B10	10	Power +12V	-	A10
11	Dig Ground	-	B11	11	Dig Ground	-	A11
12	CAN Low I/O	-	B12	12	CAN Low I/O	-	A12

C - GPS Display			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Ground	-	A5, B5
2	GPS RX	-	A4, B4
3	GPS TX	-	A3, B3
4	Not Used	-	-

Part # 727107 , 727108 , 727104 ,
 727109
 Part CAN Extension Harness



VIEW A



VIEW B

A - CAN			
9 Pin AMP Plug			
206708-1			
Pin	Function	Color	To
1	Signal Ground	Black	B1
2	CAN A LO	Brown	B2
3	Not Used	-	-
4	Not Used	-	-
5	CAN Shield	Wire	B5
6	CAN A HI	Pink	B6
7	Not Used	-	-
8	Not Used	-	-
9	Power +12V	Red	B9

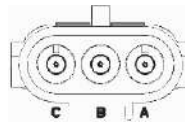
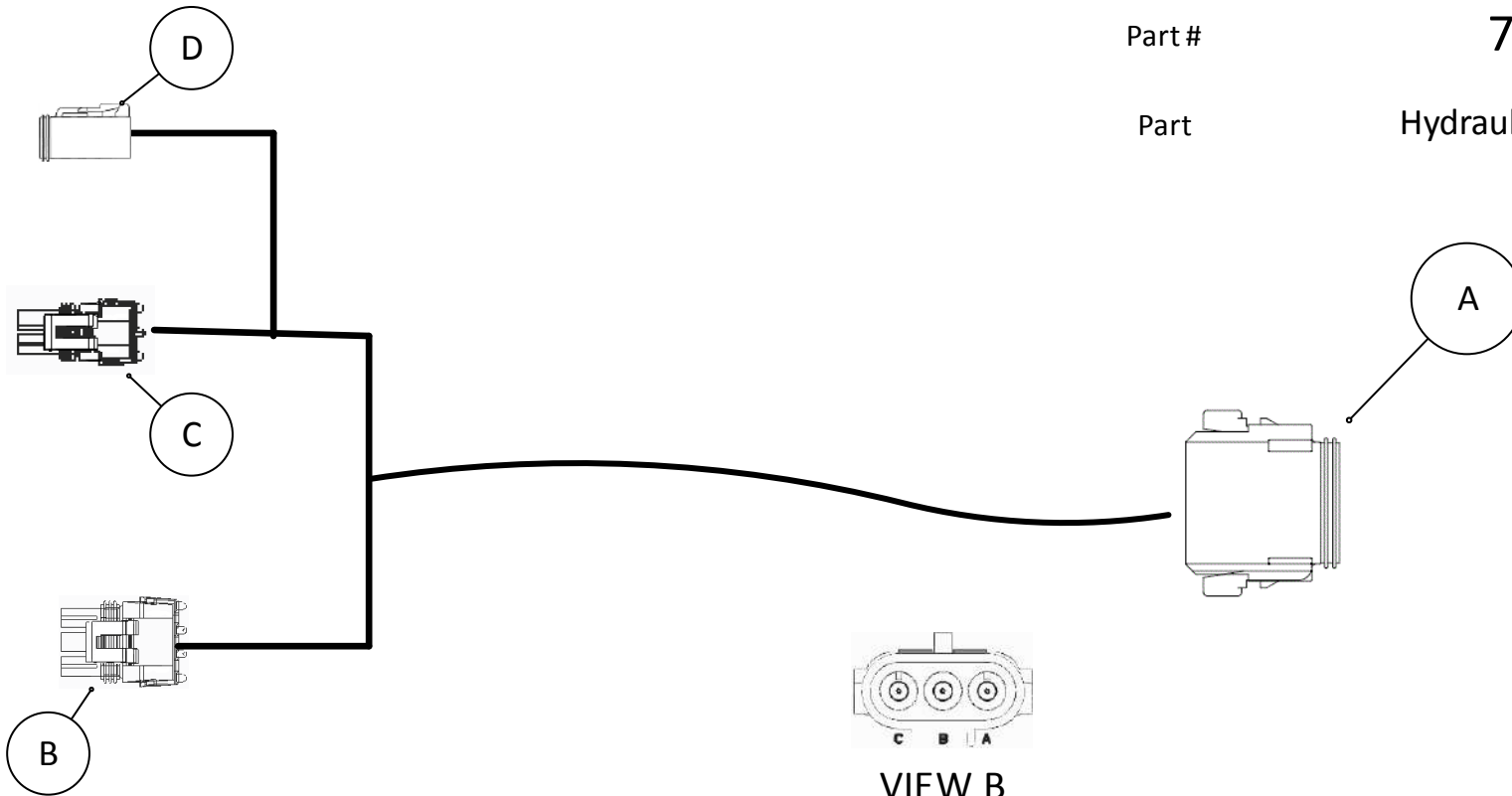
B - CAN			
9 Pin AMP Receptacle			
206705-2			
Pin	Function	Color	To
1	Signal Ground	Black	A1
2	CAN A LO	Brown	A2
3	Not Used	-	-
4	Not Used	-	-
5	CAN Shield	Wire	A5
6	CAN A HI	Pink	A6
7	Not Used	-	-
8	Not Used	-	-
9	Power +12V	Red	A9

Part #

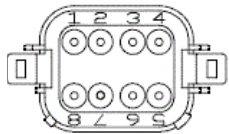
727111

Part

Hydraulic Motor Harness



VIEW B

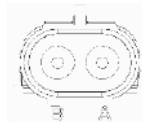


VIEW A

A - RFM Base Harness			
8 Pin Deutsch Plug			
DT06-8S			

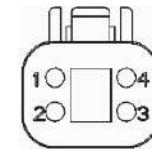
Pin	Function	Color	To
1	Sensor Pwr +12V	-	BA, D2
2	Valve Pwr +12V	-	CA
3	Speed Sensor Signal	-	BC
4	Sensor Ground	-	BB, D1
5	Pressure Signal	-	D4
6	Temp Signal	-	D3
7	Valve Ground	-	CB
8	Not Used	-	-

B - Speed Sensor			
3 Pin WeatherPack Plug			
12010717			
Pin	Function	Color	To
A	Speed Sensor Power	-	A1
B	Speed Sensor Ground	-	A4
C	Speed Sensor Signal	-	A3



VIEW C

C - Valve Solenoid			
2 Pin Weatherpack Plug			
12010972			
Pin	Function	Color	To
A	Valve Power, +12V	-	A2
B	Valve Ground	-	A7



VIEW D

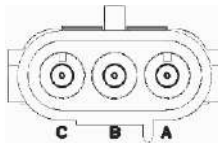
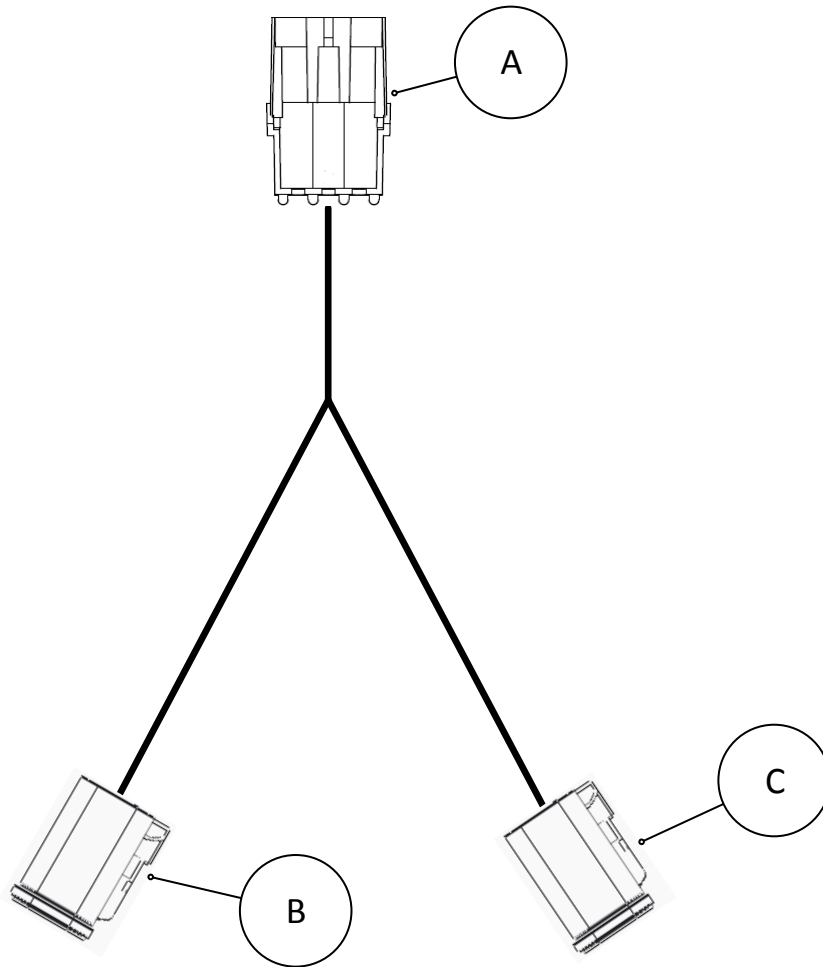
D - Pressure Sensor			
4 Pin Deutsch Plug			
DT06-4S			
Pin	Function	Color	To
1	Pressure Sensor Ground	-	A4
2	Pressure Sensor Power	-	A1
3	Temp Signal	-	A6
4	Pressure Signal	-	A5

Part #

727112

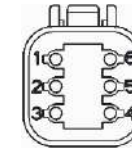
Part

Lift Switch Harness



VIEW A

A - Row Flow Base Harness			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Signal	-	B3, C3
B	Ground	-	B6, C6
C	Power	-	B1, C1



VIEW B-C

B - Height Sensor			
6 Pin Deutsch Plug			
DTM06-6S			
Pin	Function	Color	To
1	Power	-	AC
2	Not Used	-	-
3	Signal	-	AB
4-5	Not Used	-	-
6	Ground	-	AA

B - Height Sensor			
6 Pin Deutsch Plug			
DTM06-6S			
Pin	Function	Color	To
1	Power	-	AC
2	Not Used	-	-
3	Signal	-	AB
4-5	Not Used	-	-
6	Ground	-	AA

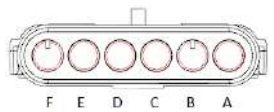
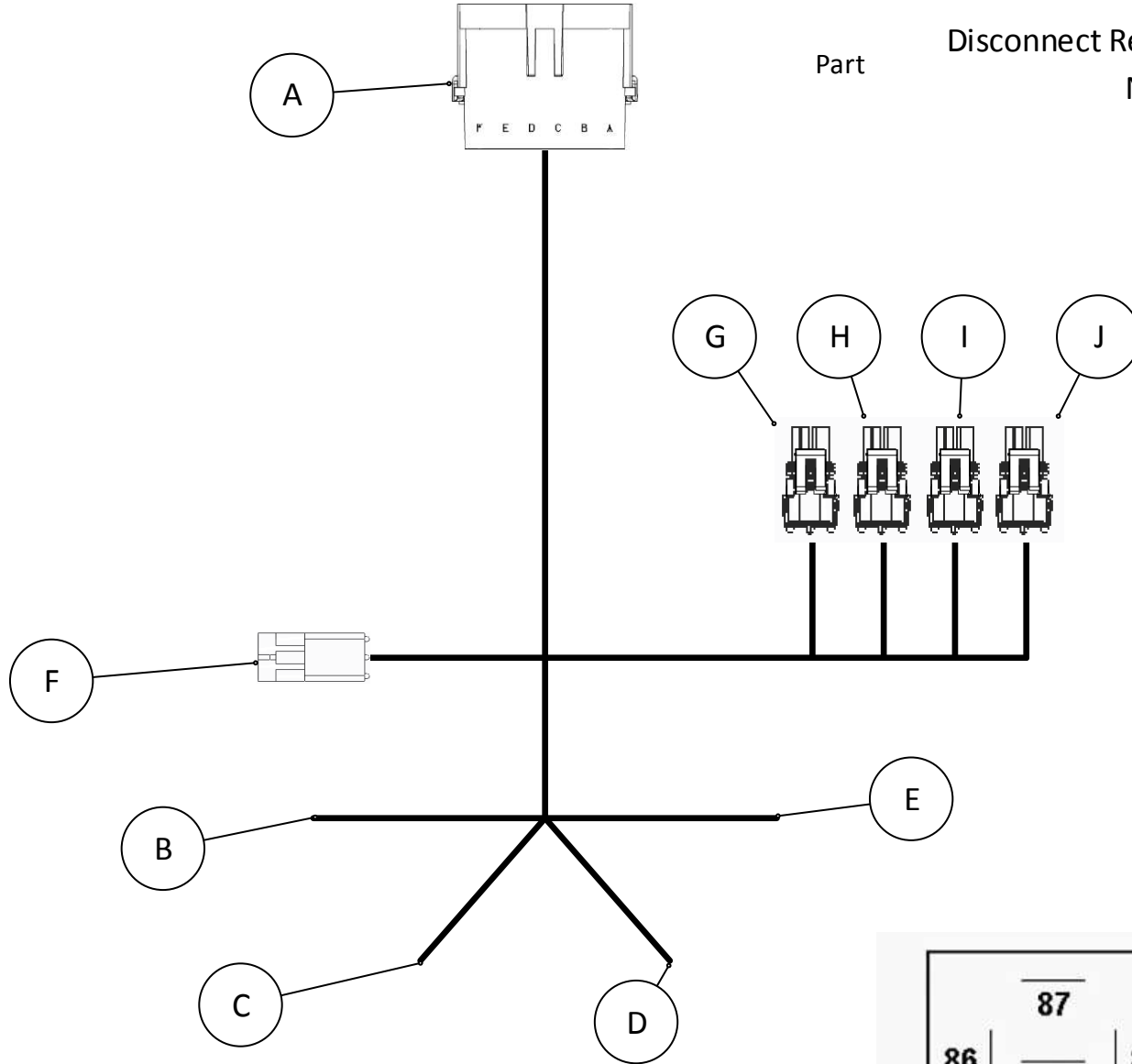
Go To 727XXX

Part #

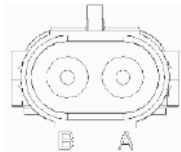
727115

Part

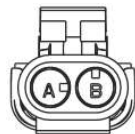
Disconnect Relay Module, 4 disconnects,
Normally Open



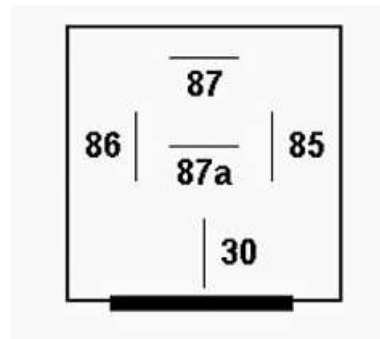
VIEW A



VIEW F



VIEW G-J



VIEW B-E

Go To 727XXX

A - RowFlow Base Harness			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
A1	Ground	-	(B-E)86
A2	Input 1	-	B85
A3	Input 2	-	C85
A4	Input 3	-	D85
A5	Input 4	-	E85
A6	Not Used	-	-

B - Relay 1			
Hella Relay			
H84709001			
Pin	Function	Color	To
30	Output # 1	-	GA
85	Input # 1	-	A2
86	Ground	-	A1
87	Power, 12v	-	FA

C - Relay 2			
Hella Relay			
H84709001			
Pin	Function	Color	To
30	Output # 2	-	HA
85	Input # 2	-	A3
86	Ground	-	A1
87	Power, 12v	-	FA

D - Relay 3			
Hella Relay			
H84709001			
Pin	Function	Color	To
30	Output # 3	-	IA
85	Input # 3	-	A4
86	Ground	-	A1
87	Power, 12v	-	FA

E - Relay 4			
Hella Relay			
H84709001			
Pin	Function	Color	To
30	Output # 3	-	JA
85	Input # 3	-	A5
86	Ground	-	A1
87	Power, 12v	-	FA

F - Power Input			
2 Pin WeatherPack Receptacle			
12010973			
Pin	Function	Color	To
A	Power	-	(B-E)87
B	Ground	-	(G-J)B

Part #

Part

727115

Disconnect Relay Module, 4 disconnects,
Normally Open

G - Row Clutch			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Output # 1	-	B30
B	Ground	-	FB, (G-J)B

H - Row Clutch			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Output # 2	-	C30
B	Ground	-	FB, (G-J)B

I - Row Clutch			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Output # 3	-	D30
B	Ground	-	FB, (G-J)B

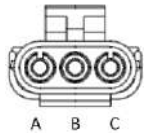
J - Row Clutch			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
A	Output # 4	-	E30
B	Ground	-	FB, (G-J)B

Part #

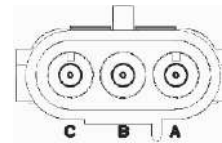
727116

Part

Height Sensor Extension Harness



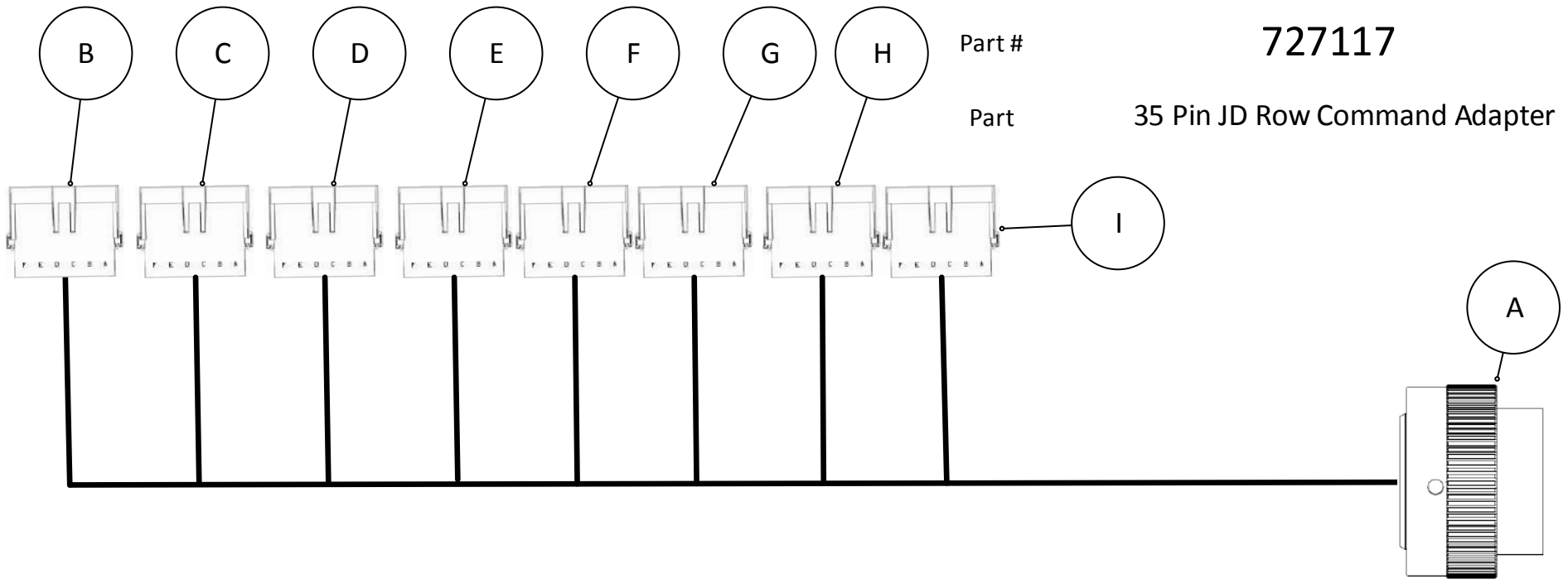
VIEW A



VIEW B

A - Height Sensor				B - Row Flow Base Harness			
3 Pin WeatherPack Plug				3 Pin WeatherPack Receptacle			
12015793				12010717			
Pin	Function	Color	To	Pin	Function	Color	To
AA	Height Signal	-	BA	A	Height Signal	-	AA
AB	Sensor Ground	-	BB	B	Sensor Ground	-	AB
AA	Sensor Power	-	BC	C	Sensor Power	-	AC

Go To 727XXX



Part #

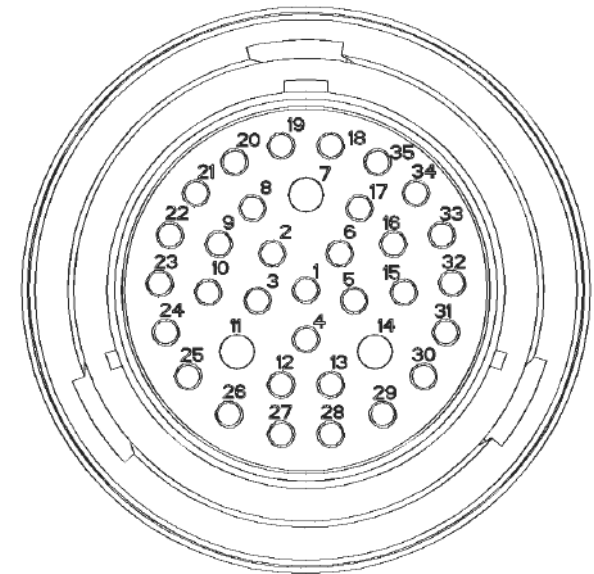
727117

Part

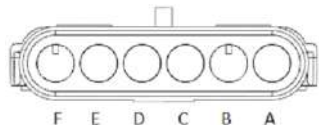
35 Pin JD Row Command Adapter

A - JD Row Command			
Deutsch 35 Pin Plug			
HDP-26-24-35SN			
Pin	Function	Color	From
1	Row 1 Clutch Power	Blue	BB
2	Row 2 Clutch Power	Blue	BC
3	Row 3 Clutch Power	Blue	BD
4	Row 4 Clutch Power	Blue	BE
5	Row 5 Clutch Power	Grey	CB
6	Row 6 Clutch Power	Grey	CC
7	Ground	Black	(B-I) A
8	Row 7 Clutch Power	Grey	CD
9	Row 8 Clutch Power	Grey	CE
10	Row 9 Clutch Power	Green	DB
11	Ground	Black	(B-I) A
12	Row 10 Clutch Power	Green	DC
13	Row 11 Clutch Power	Green	DD
14	Ground	Black	(B-I) A
15	Row 12 Clutch Power	Green	DE

16	Row 13 Clutch Power	Orange	EB
17	Row 14 Clutch Power	Orange	EC
18	Row 15 Clutch Power	Orange	ED
19	Row 16 Clutch Power	Orange	EE
20	Row 17 Clutch Power	Tan	FB
21	Row 18 Clutch Power	Tan	FC
22	Row 19 Clutch Power	Tan	FD
23	Row 20 Clutch Power	Tan	FE
24	Row 21 Clutch Power	Purple	GB
25	Row 22 Clutch Power	Purple	GC
26	Row 23 Clutch Power	Purple	GD
27	Row 24 Clutch Power	Purple	GE
28	Row 25 Clutch Power	Brown	HB
29	Row 26 Clutch Power	Brown	HC
30	Row 27 Clutch Power	Brown	HD
31	Row 28 Clutch Power	Brown	HE
32	Row 29 Clutch Power	Yellow	IB
33	Row 30 Clutch Power	Yellow	IC
34	Row 31 Clutch Power	Yellow	ID
35	Row 32 Clutch Power	Yellow	IE



VIEW A



VIEW B-I

Part #

727117

Part

35 Pin JD Row Command Adapter

B - Row Clutch				E - Row Clutch				H - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
BA	Ground	Black	A7, A14, (C-I) A	EA	Ground	Black	A7,A14,BA,CA,D A,EA,GA,HA,IA	HA	Ground	Black	A7,A14,(B-G)A,IA
BB	Row 1 Clutch Power	Blue	A1	EB	Row 13 Clutch Power	Orange	A16	HB	Row 25 Clutch Power	Brown	A28
BC	Row 2 Clutch Power	Blue	A2	EC	Row 14 Clutch Power	Orange	A17	HC	Row 26 Clutch Power	Brown	A29
BD	Row 3 Clutch Power	Blue	A3	ED	Row 15 Clutch Power	Orange	A18	HD	Row 27 Clutch Power	Brown	A30
BE	Row 4 Clutch Power	Blue	A4	EE	Row 16 Clutch Power	Orange	A19	HE	Row 28 Clutch Power	Brown	A31
BF	Not Used - Plug	-	-	EF	Not Used - Plug	-	-	HF	Not Used - Plug	-	-

C - Row Clutch				F - Row Clutch				I - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
CA	Ground	Black	A7,A14,BA	FA	Ground	Black	A7,A14,BA,CA,D A,EA,GA,HA,IA	IA	Ground	Black	A7,A14,(B-H)A
CB	Row 5 Clutch Power	Grey	A5	FB	Row 17 Clutch Power	Tan	A20	IB	Row 25 Clutch Power	Yellow	A32
CC	Row 6 Clutch Power	Grey	A6	FC	Row 18 Clutch Power	Tan	A21	IC	Row 26 Clutch Power	Yellow	A33
CD	Row 7 Clutch Power	Grey	A8	FD	Row 19 Clutch Power	Tan	A22	ID	Row 27 Clutch Power	Yellow	A34
CE	Row 8 Clutch Power	Grey	A9	FE	Row 20 Clutch Power	Tan	A23	IE	Row 28 Clutch Power	Yellow	A35
CF	Not Used - Plug	-	-	FF	Not Used - Plug	-	-	IF	Not Used - Plug	-	-

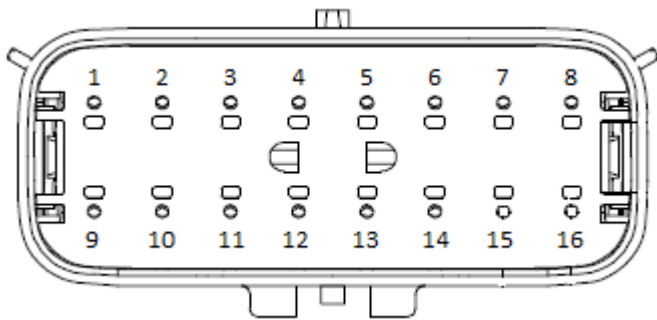
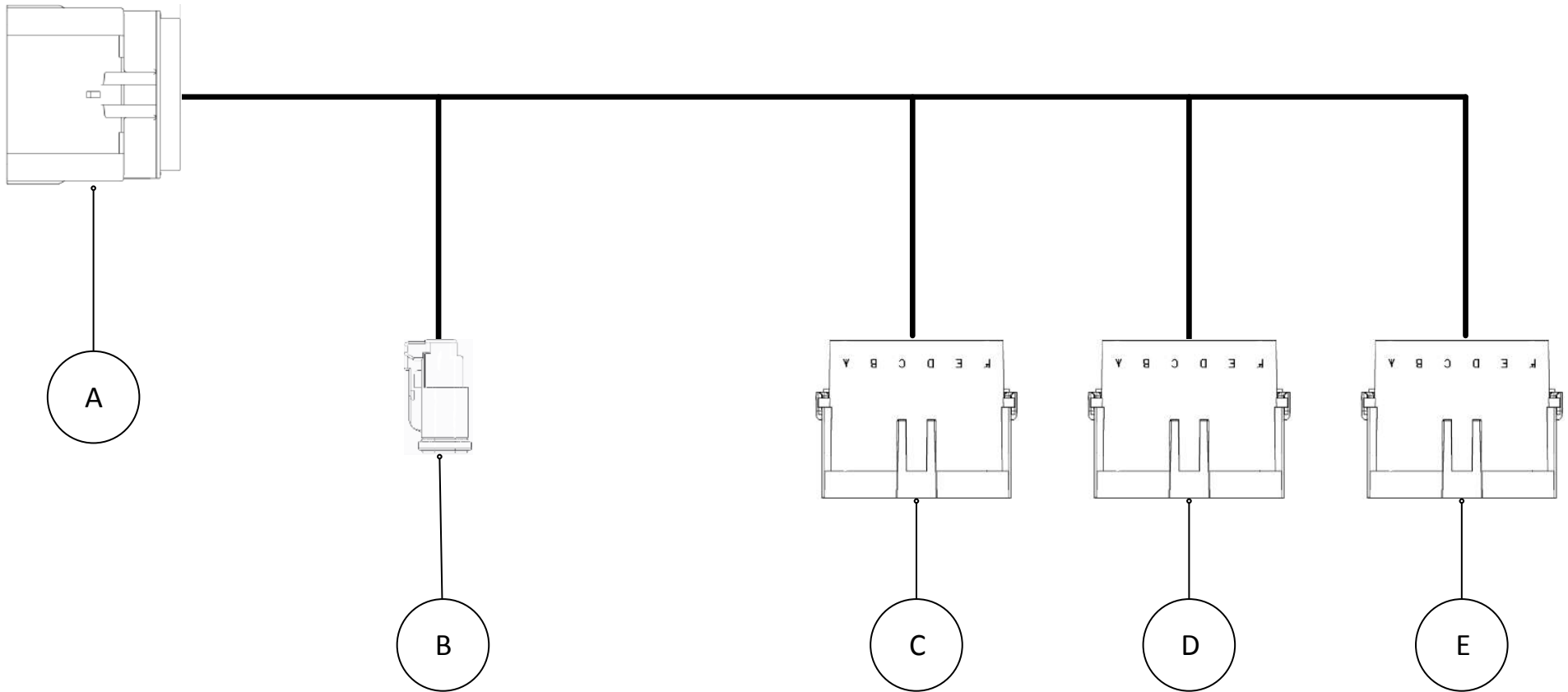
D - Row Clutch				G - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To
DA	Ground	Black	A7,A14,BA,CA, (E-I)A	GA	Ground	Black	A7,A14,(B- F)A,HA,IA
DB	Row 9 Clutch Power	Green	A10	GB	Row 21 Clutch Power	Purple	A24
DC	Row 10 Clutch Power	Green	A12	GC	Row 22 Clutch Power	Purple	A25
DD	Row 11 Clutch Power	Green	A13	GD	Row 23 Clutch Power	Purple	A26
DE	Row 12 Clutch Power	Green	A15	GE	Row 24 Clutch Power	Purple	A27
DF	Not Used - Plug	-	-	GF	Not Used - Plug	-	-

Part #

727118

Part

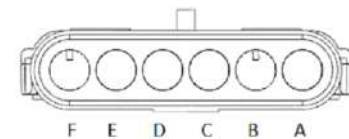
AgLeader SeedCommand Adapter Harness



VIEW A



VIEW B



VIEW C-E

A- RFM			
Molex 16 Pin Plug			
19419-0020			
Pin	Function	Color	To
1	Row 1 Clutch Power	Blue	CB
2	Row 2 Clutch Power	Blue	CC
3	Row 3 Clutch Power	Blue	CD
4	Row 4 Clutch Power	Blue	CE
5	Row 5 Clutch Power	Grey	DB
6	Row 6 Clutch Power	Grey	DC
7	Row 7 Clutch Power	Grey	DD
8	Row 8 Clutch Power	Grey	DE
9	Row 9 Clutch Power	Green	EB
10	Row 10 Clutch Power	Green	EC
11	Row 11 Clutch Power	Green	ED
12	Row 12 Clutch Power	Black	EE

B - 2 Pin Deutsch			
2 Pin Deutsch Plug			
DTP06-2S			
Pin	Function	Color	From
1	Ground	-	(C-F)
2	Not Used - Plug	-	-

C - Rows (1-4)			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	From
CA	Ground	Black	B1
CB	Row 1 Clutch Power	Blue	A1
CC	Row 2 Clutch Power	Blue	A2
CD	Row 3 Clutch Power	Blue	A3
CE	Row 4 Clutch Power	Blue	A4
CF	Not Used	-	-

D - Rows (5-8)			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	From
CA	Ground	Black	B1
CB	Row 5 Clutch Power	Grey	A5
CC	Row 6 Clutch Power	Grey	A6
CD	Row 7 Clutch Power	Grey	A7
CE	Row 8 Clutch Power	Grey	A8
CF	Not Used	-	-

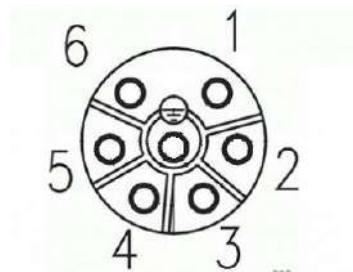
E - Rows (9-12)			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	From
CA	Ground	Black	B1
CB	Row 9 Clutch Power	Green	A9
CC	Row 10 Clutch Power	Green	A10
CD	Row 11 Clutch Power	Green	A11
CE	Row 12 Clutch Power	Green	A12
CF	Not Used	-	-

Part #

727122

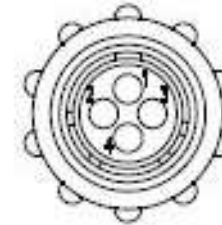
Part

John Deere 30, R and RT radar adapter



VIEW A

A - Radar Input			
Amphenol Ecomat 6+PE			
C01610H00610012			
Pin	Function	Color	To
1	Radar Signal		B2
7	Ground		B1



VIEW B

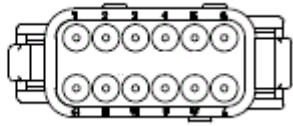
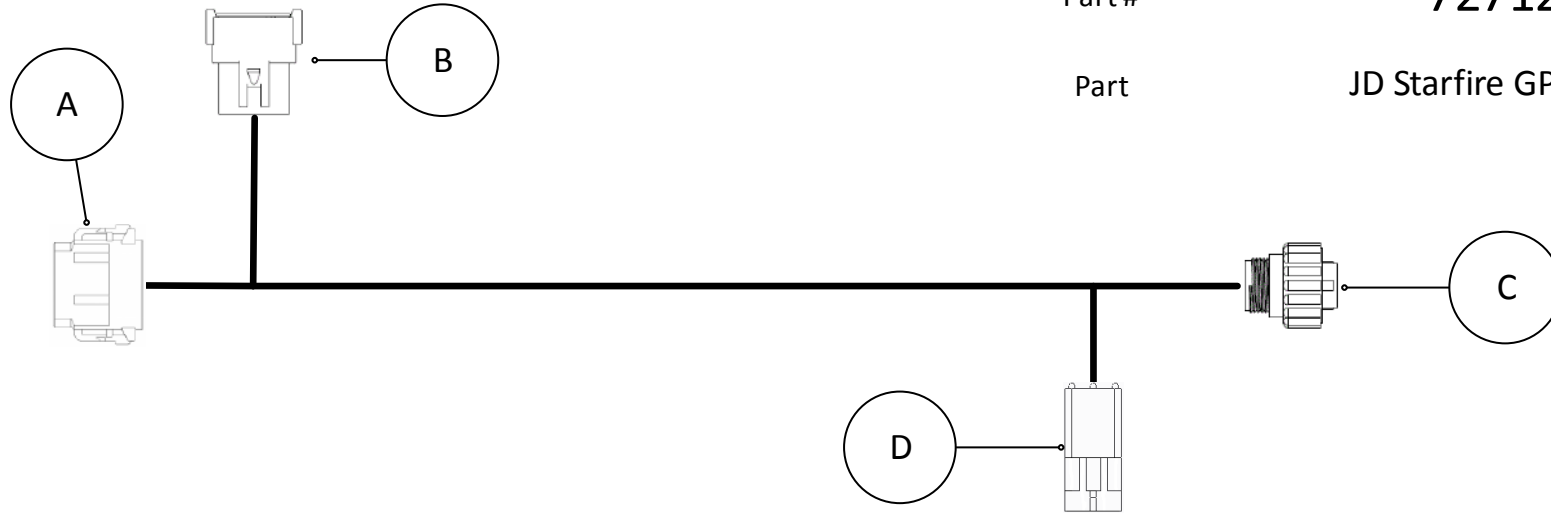
B - Radar Output			
4 Pin Amp			
206429-1			
Pin	Function	Color	From
1	Ground		A7
2	Radar Signal		A1
3	Power Jumper		B4

Part #

727124

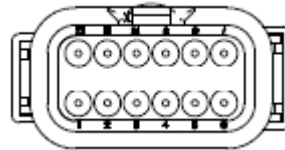
Part

JD Starfire GPS Adapter



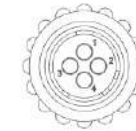
VIEW A

A - Starfire			
12 Pin Deutsch Plug			
DTM06-12S			
Pin	Function	Color	To
1	Radar	-	B1
2	Not Used	-	B2
3	GPS TX	-	B3, C2
4	CAN HI	-	B4
5	Not Used	-	B5
6	Power Switch	-	B6, DA (Diode)
7	Ground	-	B7,C1,DB
8	Not Used	-	B8
9	CAN LO	-	B9
10	GPS RX	-	B10,C3
11	Not Used	-	B11
12	Power Un-switched	-	B12 (Diode)



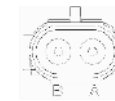
VIEW B

B - Greenstar			
12 Pin Deutsch Receptacle			
DTM04-12P			
Pin	Function	Color	To
1	Radar	-	A1
2	Not Used	-	A2
3	GPS TX	-	A3, C2
4	CAN HI	-	A4
5	Not Used	-	A5
6	Power Switch	-	A6, DA
7	Ground	-	A7,C1,DB
8	Not Used	-	A8
9	CAN LO	-	A9
10	GPS RX	-	A10,C3
11	Not Used	-	A11
12	Power Un-switched	-	A12



VIEW C

C - GPS Port			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Ground	-	A7,B7
2	GPS TX	-	A3,B3
3	GPS RX	-	A10,B10
4	Not Used	-	-



VIEW D

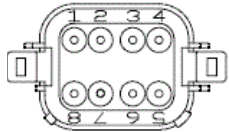
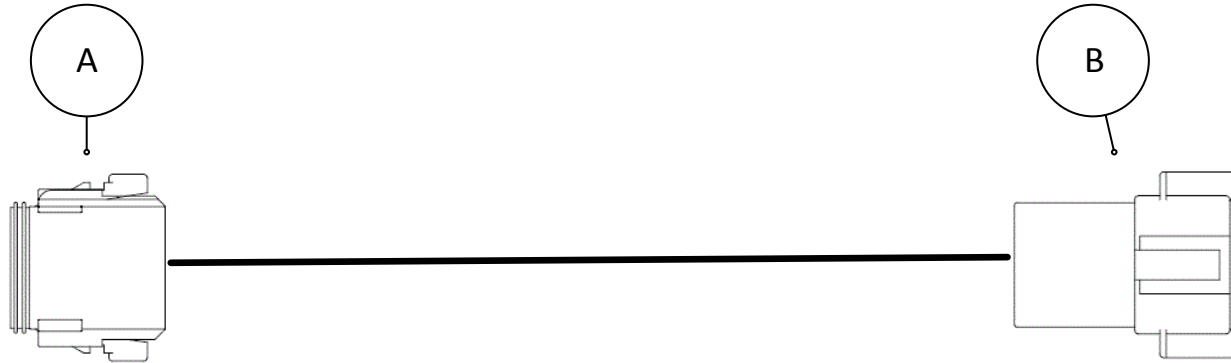
D - 12V Power			
2 Pin WeatherPack Receptacle			
12010973			
Pin	Function	Color	To
A	Power	-	A6, B6
B	Ground	-	A7, B7

Part #

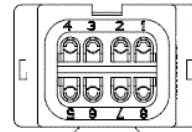
727125

Part

Hydraulic Motor Harness Extension



VIEW A



VIEW B

A - RFM Base Harness			
8 Pin Deutsch Plug			
DT06-8S			

Pin	Function	Color	To
1	Sensor Pwr +12V	-	B1
2	Valve Pwr +12V	-	B2
3	Speed Sensor Signal	-	B3
4	Sensor Ground	-	B4
5	Pressure Signal	-	B5
6	Temp Signal	-	B6
7	Valve Ground	-	B7
8	Not Used	-	-

B - RFM Base Harness			
8 Pin Deutsch Plug			
DT04-8P			

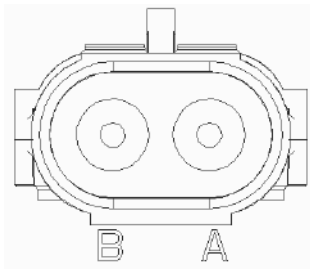
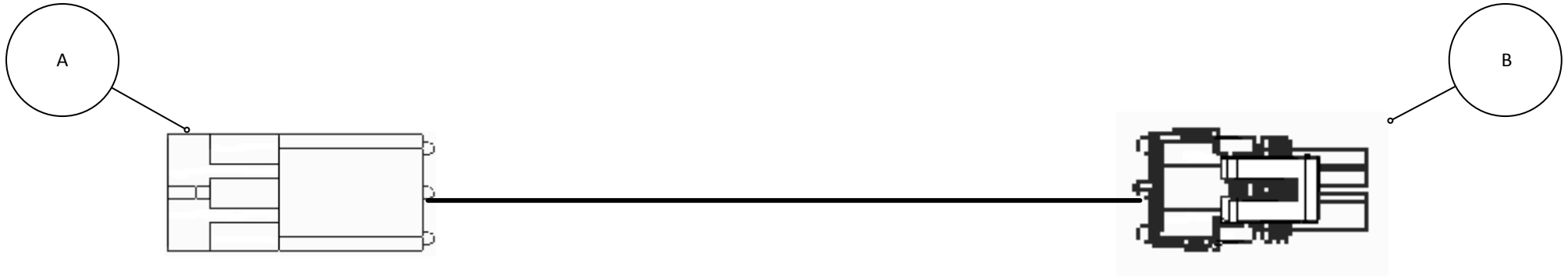
Pin	Function	Color	To
1	Sensor Pwr +12V	-	A1
2	Valve Pwr +12V	-	A2
3	Speed Sensor Signal	-	A3
4	Sensor Ground	-	A4
5	Pressure Signal	-	A5
6	Temp Signal	-	A6
7	Valve Ground	-	A7
8	Not Used	-	-

Part #

727126

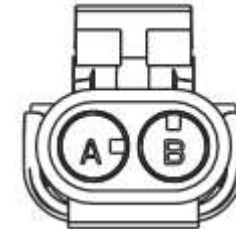
Part

Aux Power 2 Pin Weatherpack Extension



VIEW A

A- Power Input			
2 Pin Weatherpack Receptacle			
12010973			
Pin	Function	Color	To
AA	Power		BA
AB	Ground		BB



VIEW B

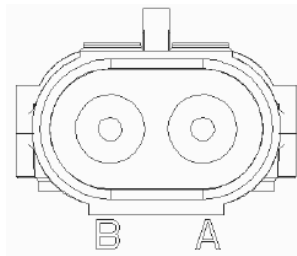
B- Power Output			
2 Pin Weatherpack Plug			
12015792			
Pin	Function	Color	From
BA	Power		AA
BB	Ground		AB

Part #

727128

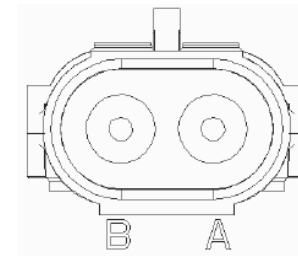
Part

Weatherpack Valve Connector Adapter



VIEW A

A - Sensor Input			
2 Pin Weatherpack Receptacle			
12010973			
Pin	Function	Color	To
A	Power		BA
B	Ground		BB



VIEW B

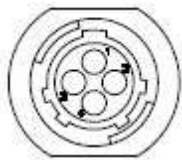
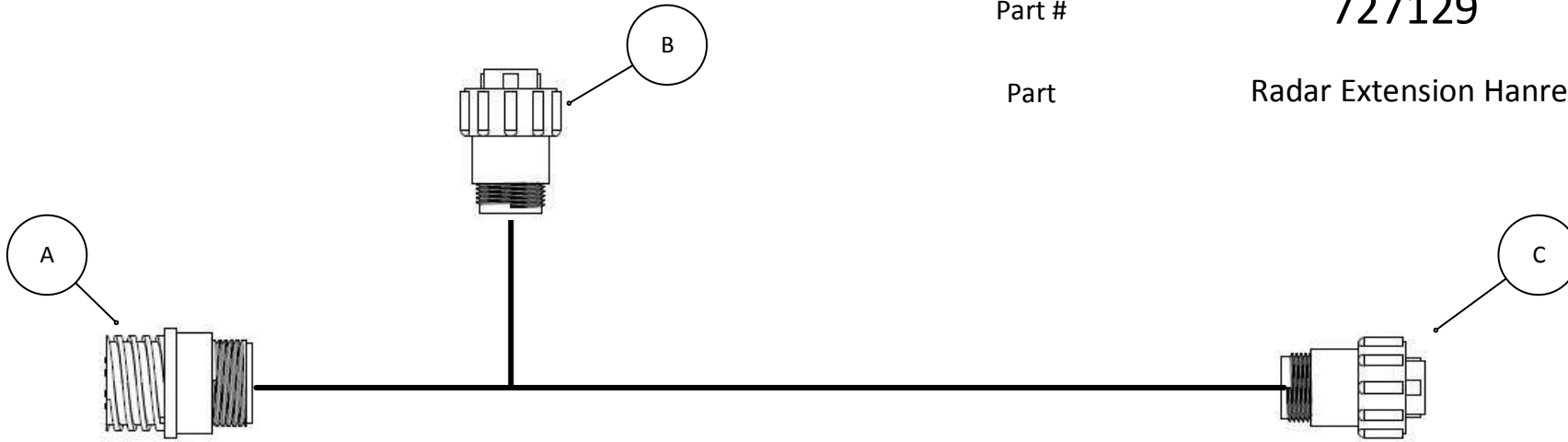
A - Sensor Output			
2 Pin Weatherpack Receptacle			
12010973			
Pin	Function	Color	From
A	Power		AA
B	Ground		AB

Part #

727129

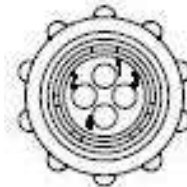
Part

Radar Extension Hanress



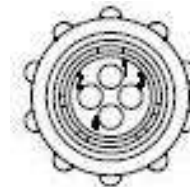
VIEW A

A- 4 Pin Amp Radar Input				
4 Pin Amp Receptacle				
206430-2				
Pin	Function	Color	To	
A1	Ground		B1,C1	
A2	Signal		B2,C2	
A3	Power		C3	



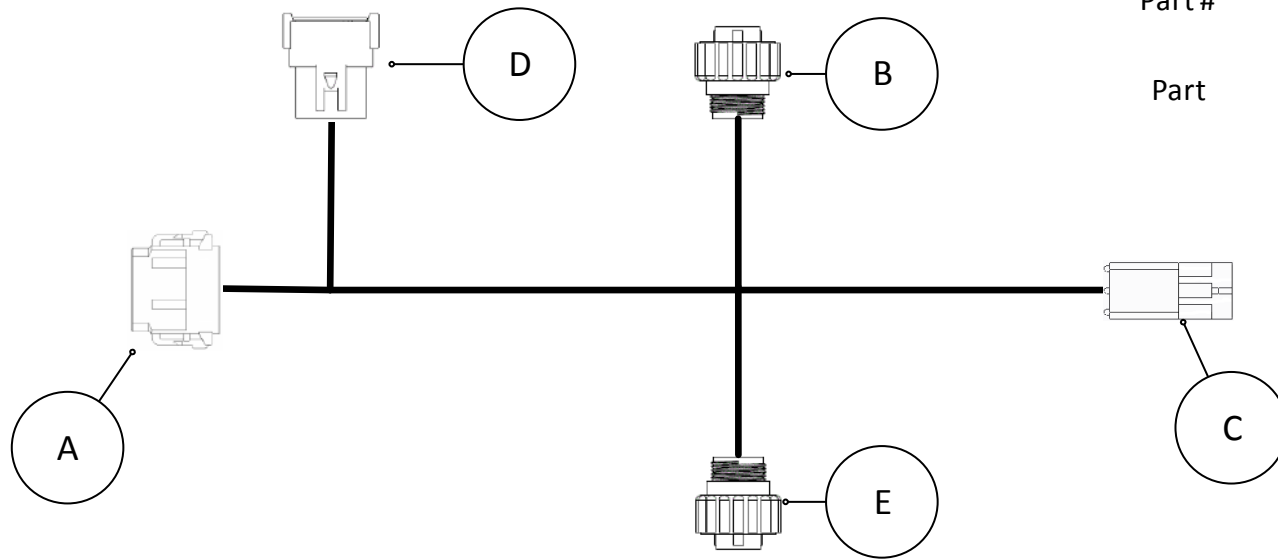
VIEW B

B- 4 Pin Radar Output				
4 Pin AMP				
206429-1				
Pin	Function	Color	From	
B1	Ground		A1	
B2	Signal		A2	



VIEW C

C- 4 Pin Radar Output				
4 Pin AMP				
206429-1				
Pin	Function	Color	From	
C1	Ground		A1	
C2	Signal		A2	
C3	Power		A3	
C4	Power		C3	

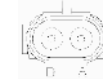


Part #

727131

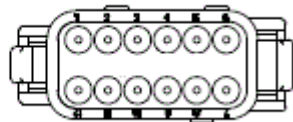
Part

Trimble GPS Adapter



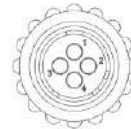
VIEW C

C - GPS Display			
2 Pin WeatherPack Receptacle			
12010973			
Pin	Function	Color	To
1	Power +12V	-	A10
2	Power Ground	-	A11



VIEW A

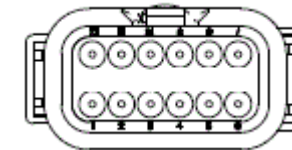
A - GPS Display			
12 Pin Deutsch Plug			
DTM06-12S			
Pin	Function	Color	To
1	CAN A High I/O	-	D1
2	Port 1 TX Out	-	B2, D2
3	Port 1 RX In	-	B3, D3
4	PPS Out	-	D4
5	Signal Ground	-	B1,D5,E1
6	Port 3 TX Out	-	D6,E2
7	Radar	-	D7
8	Port 3 RX In	-	D8,E3
9	Event In	-	D9
10	Power +12V	-	CA, D10
11	Power Ground	-	CB, D11
12	CAN A High I/O	-	D12



VIEW B & E

B - GPS Display			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Signal Ground	-	A5,D5,E1
2	TX Out Port 1	-	A2, D2
3	RX In Port 1	-	A3, D3
4	Not Used	-	-

E - GPS Display			
4 Pin Amp Plug			
206060-1			
Pin	Function	Color	To
1	Signal Ground	-	A5,D5,B1
2	TX Out Port 3	-	A6, D6
3	RX In Port 3	-	A8, D8
4	Not Used	-	-



VIEW D

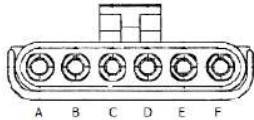
D - GPS Display			
12 Pin Deutsch Receptacle			
DTM04-12P			
Pin	Function	Color	To
1	CAN A High I/O	-	A1
2	Port 1 TX Out	-	B2,A2
3	Port 1 RX In	-	B3,A3
4	PPS Out	-	A4
5	Signal Ground	-	B1,A5,E1
6	Port 3 TX Out	-	A6,E2
7	Radar	-	A7
8	Port 3 RX In	-	A8,E3
9	Event In	-	A9
10	Not Used	-	-
11	Not Used	-	-
12	Can A Low I/O	-	A12

Part #

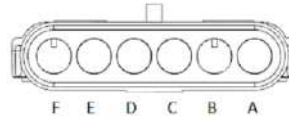
727133

Part

15' 6 Pin Clutch Extension



VIEW A



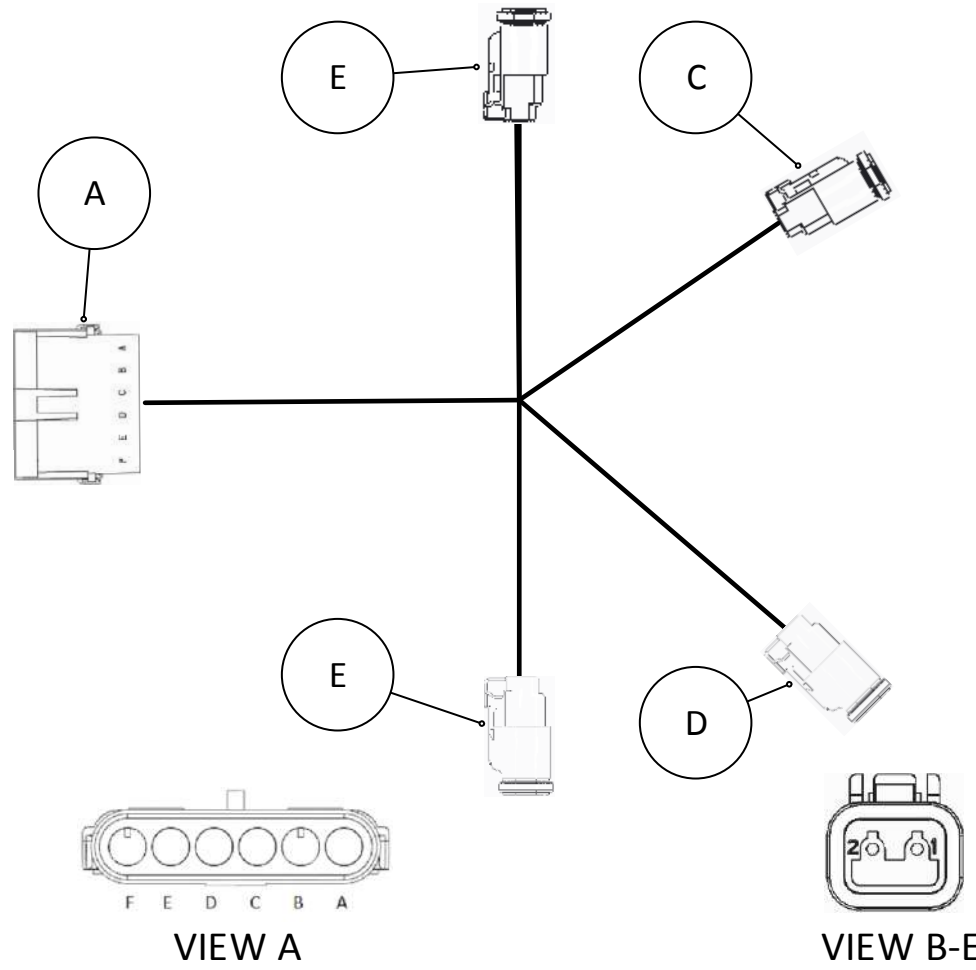
VIEW B

A - Row Clutch			
6 Pin Weatherpack Plug			
12015799			

Pin	Function	Color	To
AA	Ground	-	BA
AB	Row 1 Clutch Power	-	BB
AC	Row 2 Clutch Power	-	BC
AD	Row 3 Clutch Power	-	BD
AE	Row 4 Clutch Power	-	BE
AF	Not Used	-	-

B - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
BA	Ground	-	AA
BB	Row 1 Clutch Power	-	AB
BC	Row 2 Clutch Power	-	AC
BD	Row 3 Clutch Power	-	AD
BE	Row 4 Clutch Power	-	AE
BF	Not Used	-	-



Part #

727134

Part

4 Row JD Electric Clutch Harness

VIEW A

VIEW B-E

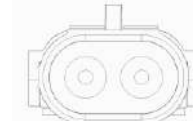
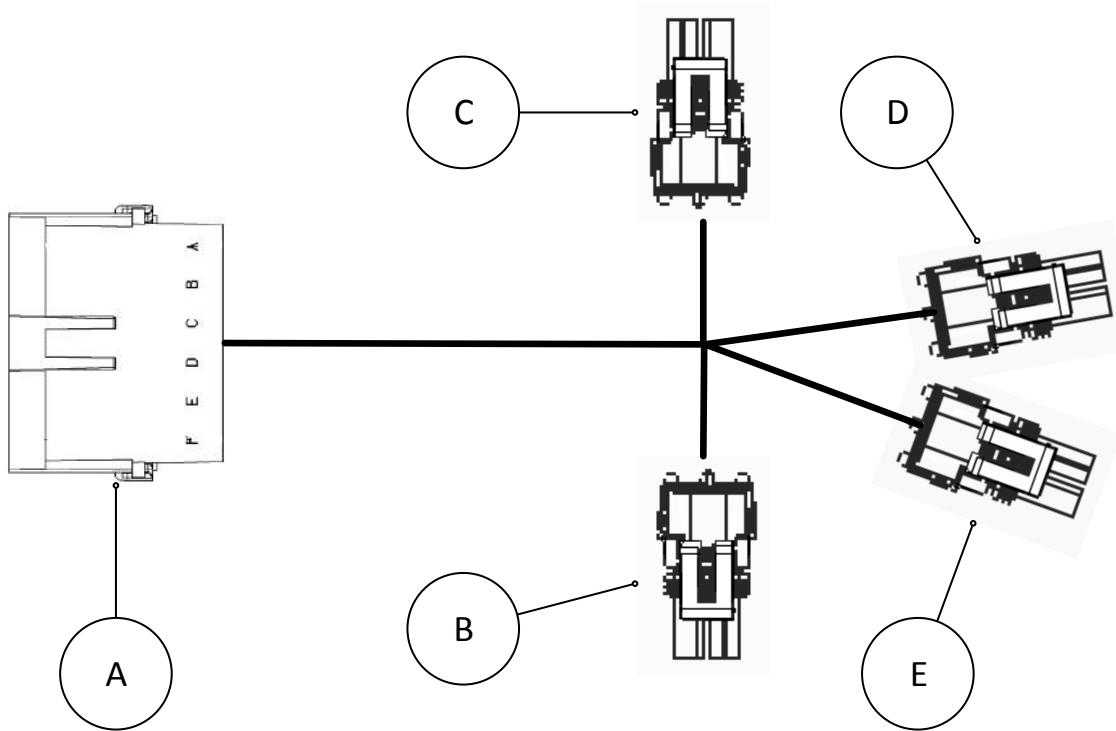
A - Clutch Harness				B - Row 1 Clutch Power				D - Row 3 Clutch Power			
Weatherpack 6 Pin Receptacle				Deutsch 2 Pin Plug				Deutsch 2 Pin Plug			
12010975				DT06-2S				DT06-2S			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
AA	Ground	-	(B-E) 2	1	Row 1 Clutch Power	-	AB	1	Row 3 Clutch Power	-	AD
AB	Row 1 Clutch Power	-	B1	2	Ground	-	AA,(C-E)2	2	Ground	-	AA,B2,C2,E2
AC	Row 2 Clutch Power	-	C1	C - Row 2 Clutch Power				E - Row 4 Clutch Power			
AD	Row 3 Clutch Power	-	D1	Deutsch 2 Pin Plug				Deutsch 4 Pin Plug			
AE	Row 4 Clutch Power	-	E1	DT06-2S				DT06-2S			
AF	Not Used	-	-	Pin	Function	Color	To	Pin	Function	Color	To
				1	Row 2 Clutch Power	-	AC	1	Row 4 Clutch Power	-	AE
				2	Ground	-	AA,B2,D2,E2	2	Ground	-	AA,(B-D)2

Part #

727135

Part

4 Row Electric Clutch Harness Ag Leader



VIEW C-E

B - Clutch 1			
2 Pin Weatherpack Plug			
12015792			

Pin	Function	Color	To
BA	Row 1 Clutch Power	-	AB
BB	Ground	-	AA, (C-E) B

C - Clutch 2			
2 Pin Weatherpack Plug			
12015792			

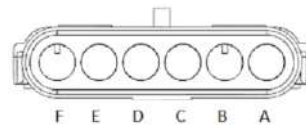
Pin	Function	Color	To
CA	Row 2 Clutch Power	-	AC
CB	Ground	-	AA, BB, DB, EB

D - Clutch 3			
2 Pin Weatherpack Plug			
12015792			

Pin	Function	Color	To
DA	Row 3 Clutch Power	-	AC
DB	Ground	-	AA, BB, DB, EB

E - Clutch 4			
2 Pin Weatherpack Plug			
12015792			

Pin	Function	Color	To
EA	Row 4 Clutch Power	-	AC
EB	Ground	-	AA, (B-D) B



VIEW A

A - Row Flow Base Harness			
6 Pin Weatherpack Receptacle			
12010975			

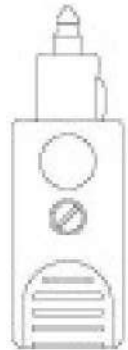
Pin	Function	Color	From
AA	Ground	-	(B-E) B
AB	Row 1 Clutch Power	-	BA
AC	Row 2 Clutch Power	-	CA
AD	Row 3 Clutch Power	-	DA
AE	Row 4 Clutch Power	-	EA
AF	Not Used	-	-

Part #

727139

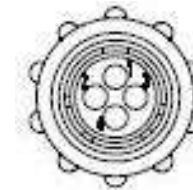
Part

CNH Radar Adapter



VIEW A

A- Britax Universal Radar Input			
Britax Universal 2 Pole			
P113			
Pin	Function	Color	To
A-Outside	Ground		B1
A-Center	Signal		B2



VIEW B

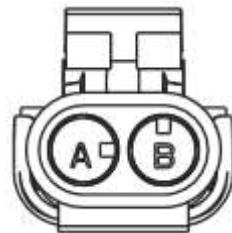
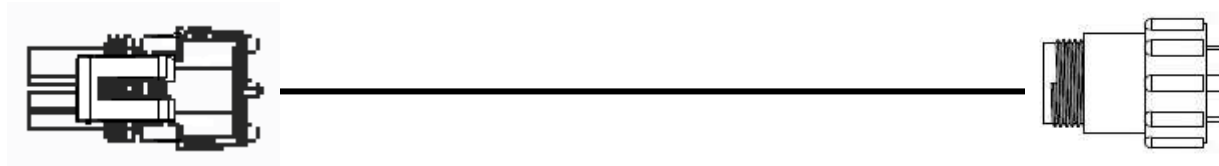
B- 4 Pin Radar Output			
4 Pin AMP			
206429-1			
Pin	Function	Color	From
B1	Ground		A-Outside
B2	Signal		A-Center
B3	Power Jumper		B4

Part #

727141

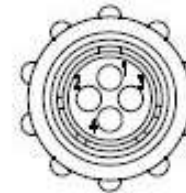
Part

John Deere 10 & 20 Series Tractor



VIEW A

A - Radar Input			
Metripack 150 2 Pin Female			
12052641			
Pin	Function	Color	To
A	Radar Signal		B2
B	Ground		B1



VIEW B

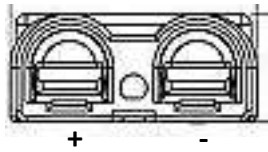
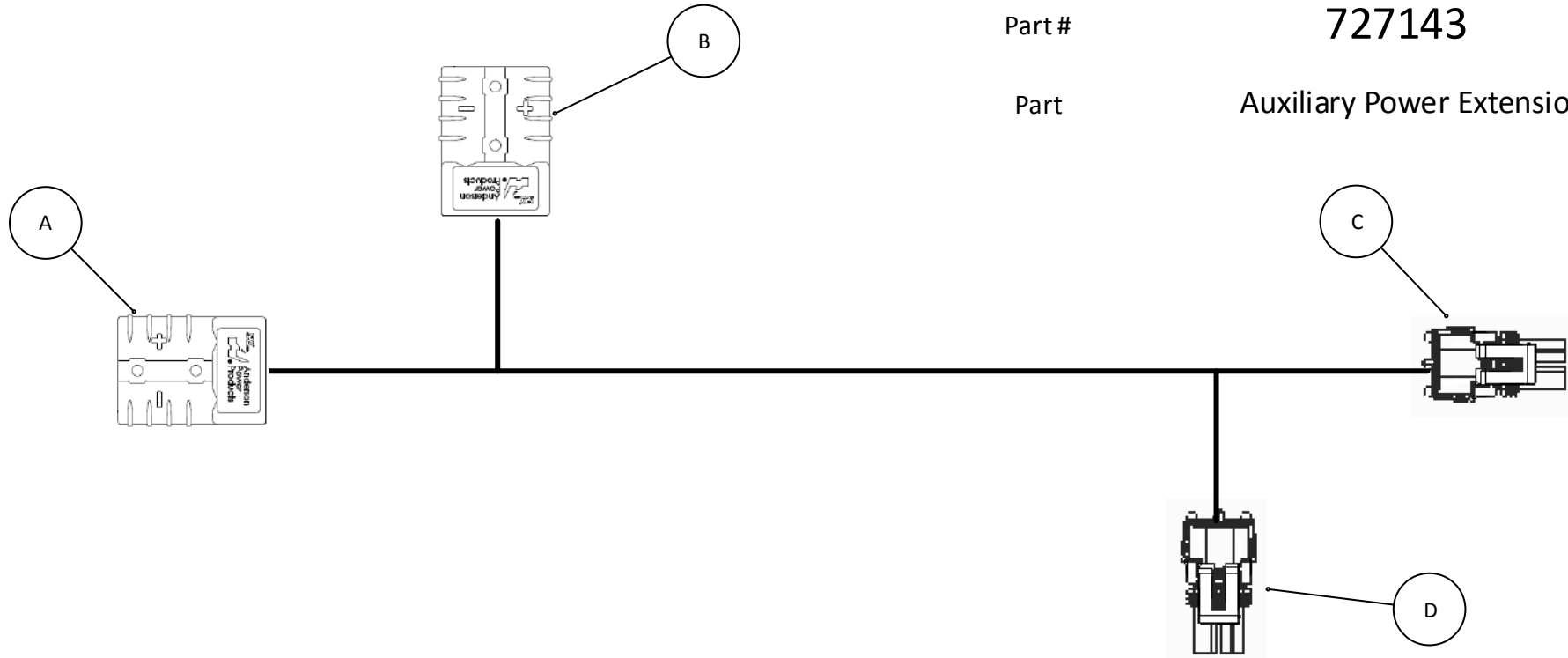
B - Radar Output			
4 Pin Amp			
206429-1			
Pin	Function	Color	From
1	Ground		AB
2	Radar Signal		AA
3	Power Jumper		B4

Part #

727143

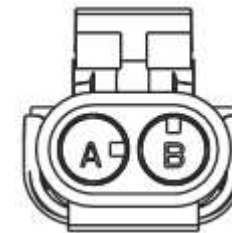
Part

Auxiliary Power Extension



VIEW A & B

A&B- Power Input			
Anderson Connection			
992			
Pin	Function	Color	To
A+	Power		B+, CA, DA
A-	Ground		B-, CB, DB
B+	Power		A+, CA, DA
B-	Ground		A-, CB, DB



VIEW C & D

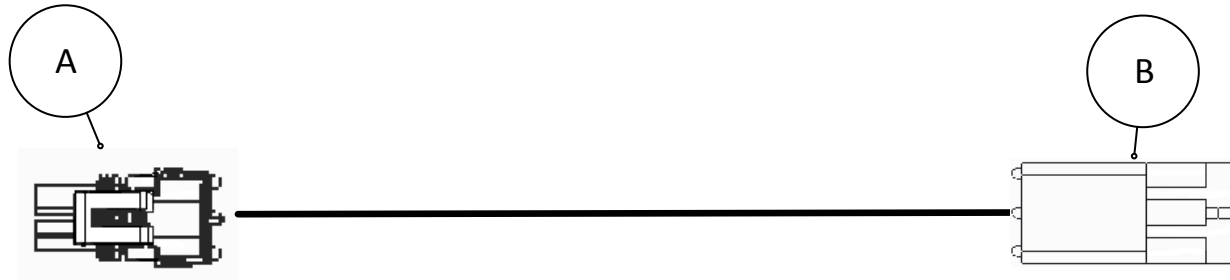
C&D- Power Output			
Weatherpack 2 Pin			
12015792			
Pin	Function	Color	From
CA	Power		A+, B+
CB	Ground		A-, B-
DA	Power		A+, B+
DB	Ground		A-, B-

Part #

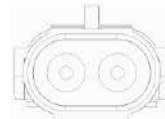
727114

Part

15' Clutch Extension Ag Leader



VIEW A



VIEW B

A - Clutch			
2 Pin Weatherpack Receptacle			
12015793			
Pin	Function	Color	To
AA	Clutch Power	-	BA
AB	Ground	-	BB

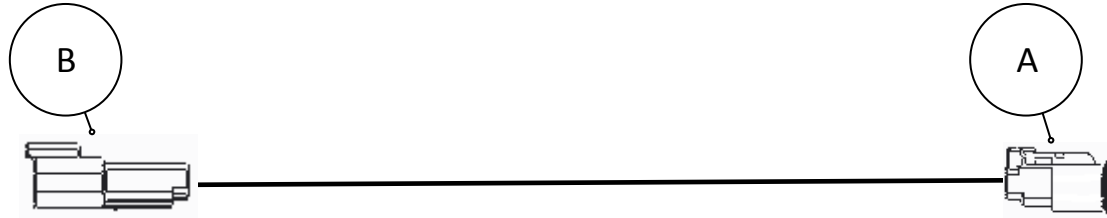
B - Harness			
2 Pin Weatherpack Plug			
12015792			
Pin	Function	Color	To
BA	Clutch Power	-	AA
BB	Ground	-	AB

Part #

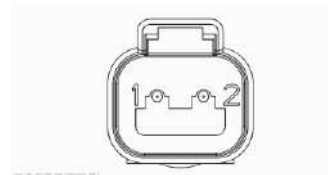
727145

Part

15' JD Row Command Clutch Extension



VIEW A



VIEW B

A - Clutch			
Deutsch 2 Pin Plug			
DT06-2S			
Pin	Function	Color	To
1	Clutch Power	-	B1
2	Ground	-	B2

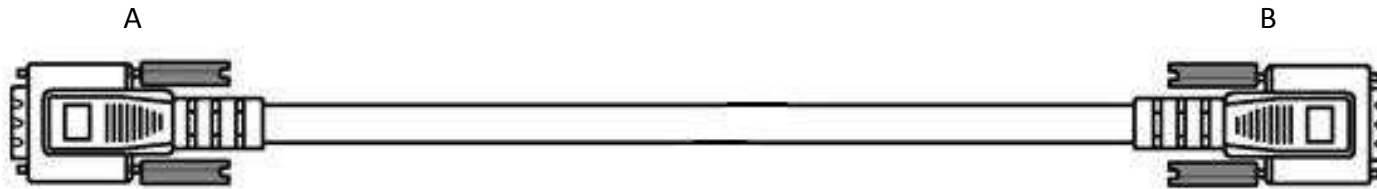
B - Clutch			
Deutsch 2 Pin Receptacle			
DT04-2P			
Pin	Function	Color	To
1	Clutch Power	-	A1
2	Ground	-	A2

Part #

727149

Part

Serial Extension Harness



VIEW A

A- Signal Input			
9 Pin Serial			
Male DB9			
Pin	Function	Color	To
1	Not Used		B1
2	TX B		B2
3	RX B		B3
4	Not Used		B4
5	Signal Ground		B5
6	Not Used		B6
7	Not Used		B7
8	Not Used		B8
9	Not Used		B9



VIEW B

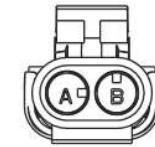
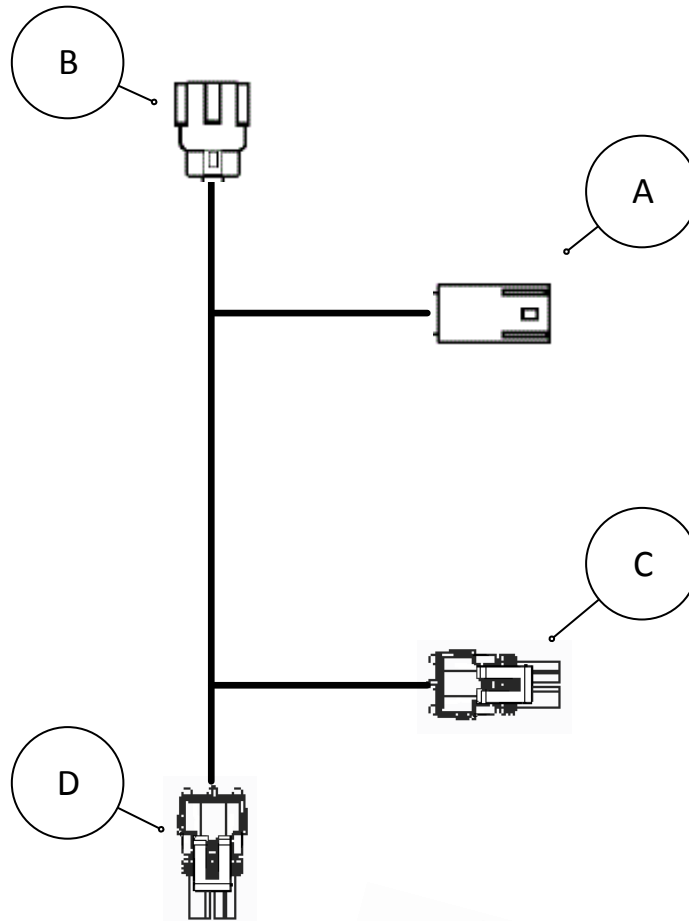
B- Signal Output			
9 Pin Serial			
Female DB9			
Pin	Function	Color	From
1	Not Used		A1
2	TX B		A2
3	RX B		A3
4	Not Used		A4
5	Signal Ground		A5
6	Not Used		A6
7	Not Used		A7
8	Not Used		A8
9	Not Used		A9

Part #

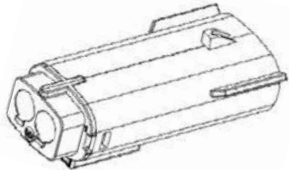
727153

Part

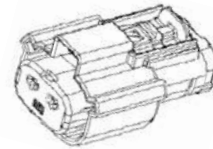
MX Power Splitter



VIEW C-D



VIEW A



VIEW B

C - Aux Power			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
1	Power +12 V	-	B2, A2, DA
2	Ground	-	B1, A1, DB

A - JD MX Power				B - JD MX Power			
2 Pin Molex Plug				2 Pin Molex Receptacle			
19433-013				19432-013			
Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	B1, CB, DB	1	Ground	-	A1, CB, DB
2	Power +12 V	-	B2, CA, DA	2	Power +12 V	-	A2, CA, DA

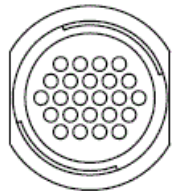
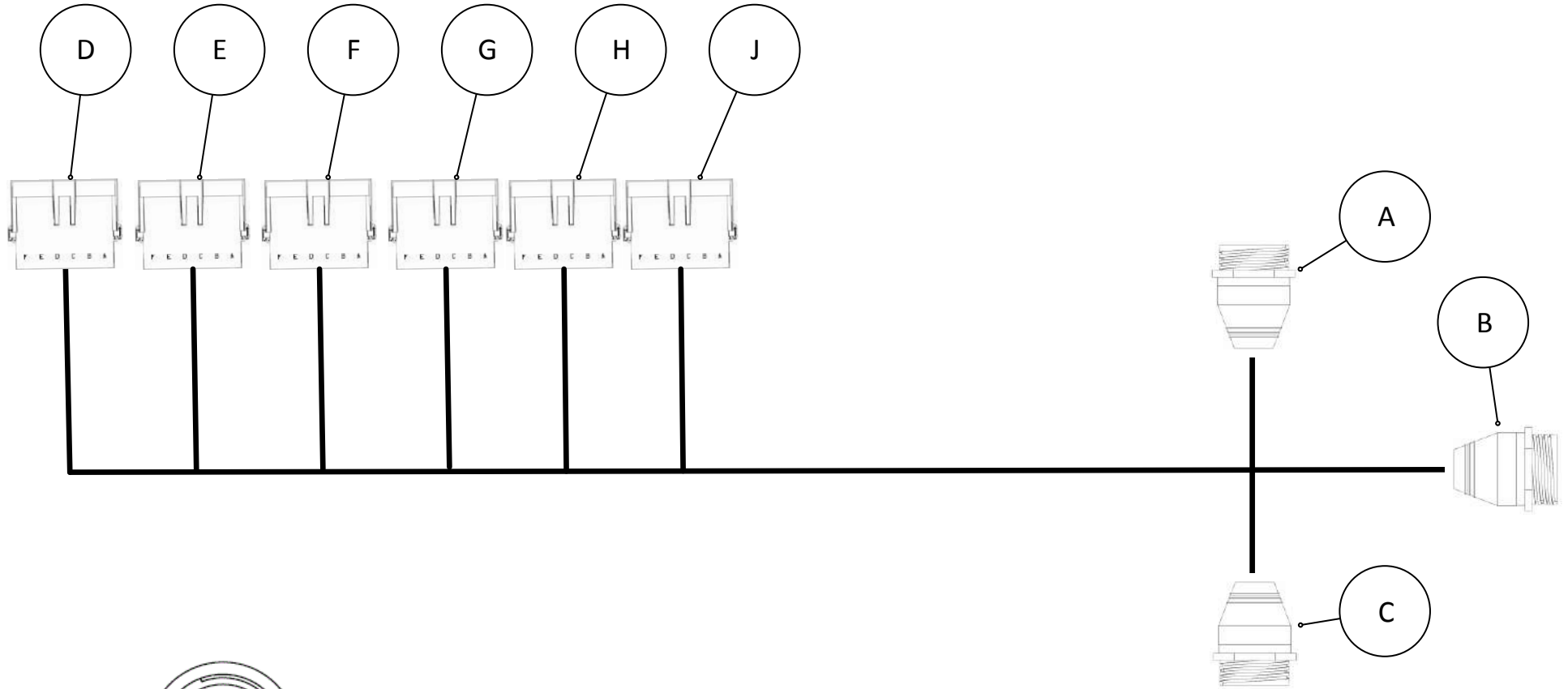
D - Aux Power			
2 Pin WeatherPack Plug			
12015792			
Pin	Function	Color	To
1	Power +12 V	-	B2, CA, A2
2	Ground	-	B1, CB, A1

Part #

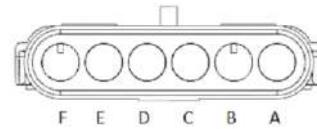
727154

Part

DB44 24 Row 22" Clutch Merger Harness



VIEW A-C



VIEW D-J

A - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			

Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9-22	Not Used	-	-
23	Ground One	-	(D-J)1
24	Ground Two	-	(D-J)1

B - JD Center Frame			
24 Pin AMP Receptacle			
206838-2			

Pin	Function	Color	From
1	Output 9	-	F2
2	Output 10	-	F3
3	Output 11	-	F4
4	Output 12	-	F5
5	Output 13	-	G2
6	Output 14	-	G3
7	Output 15	-	G4
8	Output 16	-	G5
9-22	Not Used	-	-
23	Ground One	-	(D-J)1
24	Ground Two	-	(D-J)1

C - JD Right Frame			
24 Pin AMP Receptacle			
206838-2			

Pin	Function	Color	From
1	Output 17	-	H2
2	Output 18	-	H3
3	Output 19	-	H4
4	Output 20	-	H5
5	Output 21	-	J2
6	Output 22	-	J3
7	Output 23	-	J4
8	Output 24	-	J5
9-22	Not Used	-	-
23	Ground One	-	(D-J)1
24	Ground Two	-	(D-J)1

D - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 1	-	A1
3	Output 2	-	A2
4	Output 3	-	A3
5	Output 4	-	A4
6	Not Used	-	-

E - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 5	-	A5
3	Output 6	-	A6
4	Output 7	-	A7
5	Output 8	-	A8
6	Not Used	-	-

F - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 9	-	B1
3	Output 10	-	B2
4	Output 11	-	B3
5	Output 12	-	B4
6	Not Used	-	-

G - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 13	-	B5
3	Output 14	-	B6
4	Output 15	-	B7
5	Output 16	-	B8
6	Not Used	-	-

H - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 17	-	C1
3	Output 18	-	C2
4	Output 19	-	C3
5	Output 20	-	C4
6	Not Used	-	-

J - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			

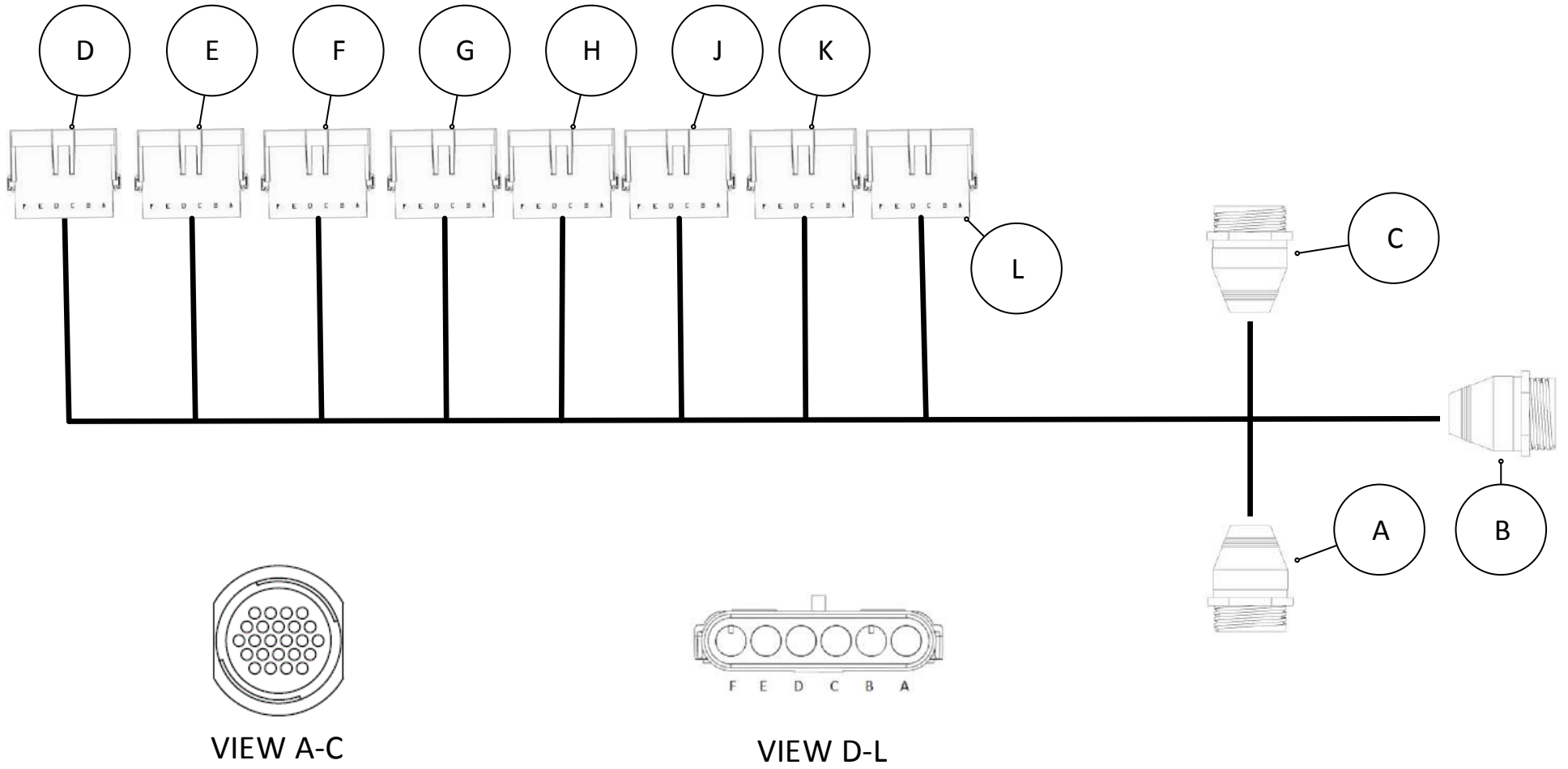
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 21	-	C5
3	Output 22	-	C6
4	Output 23	-	C7
5	Output 24	-	C8
6	Not Used	-	-

Part #

727155

Part

DB58 32 Row 22" Clutch Merger Harness



Part #

727155

Part

DB58 32 Row 22" Clutch Merger Harness

A - JD Left Frame				B - JD Center Frame				A - JD Left Frame			
24 Pin AMP Receptacle				24 Pin AMP Receptacle				24 Pin AMP Receptacle			
206838-2				206838-2				206838-2			
Pin	Function	Color	From	Pin	Function	Color	From	Pin	Function	Color	From
1	Output 1	-	D2	1	Output 12	-	F5	1	Output 22	-	J3
2	Output 2	-	D3	2	Output 13	-	G2	2	Output 23	-	J4
3	Output 3	-	D4	3	Output 14	-	G3	3	Output 24	-	J5
4	Output 4	-	D5	4	Output 15	-	G4	4	Output 25	-	K2
5	Output 5	-	E2	5	Output 16	-	G5	5	Output 26	-	K3
6	Output 6	-	E3	6	Output 17	-	H2	6	Output 27	-	K4
7	Output 7	-	E4	7	Output 18	-	H3	7	Output 28	-	K5
8	Output 8	-	E5	8	Output 19	-	H4	8	Output 29	-	L2
9	Output 9	-	F2	9	Output 20	-	H5	9	Output 30	-	L3
10	Output 10	-	F3	10	Output 21	-	J2	10	Output 31	-	L4
11	Output 11	-	F4	11-21	Not Used	-	-	11	Output 32	-	L5
12-22	Not Used	-	-	23	Ground One	-	(D-L)1	12-22	Not Used	-	-
23	Ground One	-	(D-L)1	24	Ground Two	-	(D-L)1	23	Ground One	-	(D-L)1
24	Ground Two	-	(D-L)1					24	Ground Two	-	(D-L)1

Part #

727155

Part DB58 32 Row 22" Clutch Merger Harness

D - Row Clutch				E - Row Clutch				F - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5	2	Output 9	-	A9
3	Output 2	-	A2	3	Output 6	-	A6	3	Output 10	-	A10
4	Output 3	-	A3	4	Output 7	-	A7	4	Output 11	-	A11
5	Output 4	-	A4	5	Output 8	-	A8	5	Output 12	-	B1
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

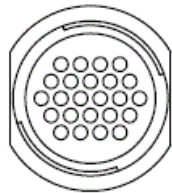
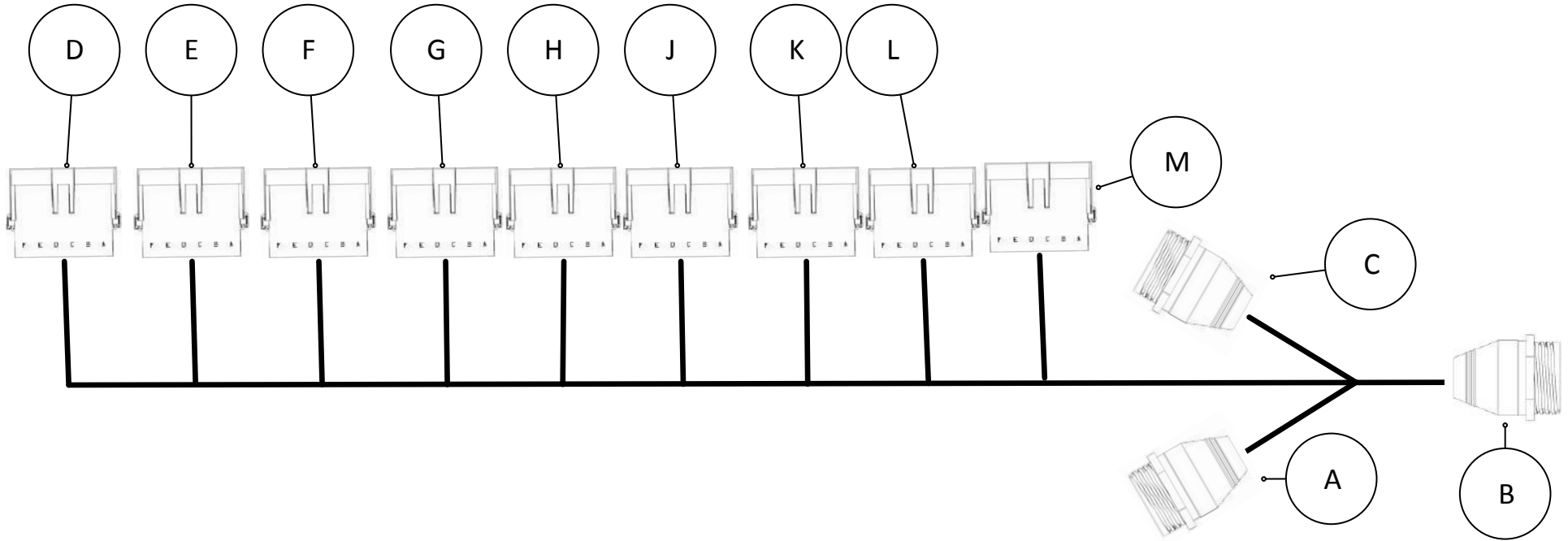
G - Row Clutch				H - Row Clutch				J - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	B2	2	Output 17	-	B6	2	Output 21	-	B10
3	Output 14	-	B3	3	Output 18	-	B7	3	Output 22	-	C1
4	Output 15	-	B4	4	Output 19	-	B8	4	Output 23	-	C2
5	Output 16	-	B5	5	Output 20	-	B9	5	Output 24	-	C3
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

K - Row Clutch				L - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	C4	2	Output 29	-	C8
3	Output 26	-	C5	3	Output 30	-	C9
4	Output 27	-	C6	4	Output 31	-	C10
5	Output 28	-	C7	5	Output 32	-	C11
6	Not Used	-	-	6	Not Used	-	-

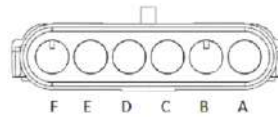
Part #

727156

Part DB60/66 36 Row 20",22" Clutch Merger Harness



VIEW A-C



VIEW D-M

A - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12-22	Output 12	-	F5
23	Output 13	-	G2
24	Not Used	-	-
15	Ground One	-	(D-M)1
16	Ground Two	-	(D-M)1

B - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 14	-	G3
2	Output 15	-	G4
3	Output 16	-	G5
4	Output 17	-	H2
5	Output 18	-	H3
6	Output 19	-	H4
7	Output 20	-	H5
8	Output 21	-	J2
9	Output 22	-	J3
10	Output 23	-	J4
11-22	Not Used	-	-
23	Ground One	-	(D-M)1
24	Ground Two	-	(D-M)1

C - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 24	-	J5
2	Output 25	-	K2
3	Output 26	-	K3
4	Output 27	-	K4
5	Output 28	-	K5
6	Output 29	-	L2
7	Output 30	-	L3
8	Output 31	-	L4
9	Output 32	-	L5
10	Output 33	-	M2
11	Output 34	-	M3
12	Output 35	-	M4
13	Output 36	-	M5
14-22	Not Used	-	-
23	Ground One	-	(D-M)1
24	Ground Two	-	(D-M)1

D - Row Clutch				E - Row Clutch				F - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5	2	Output 9	-	A9
3	Output 2	-	A2	3	Output 6	-	A6	3	Output 10	-	A10
4	Output 3	-	A3	4	Output 7	-	A7	4	Output 11	-	A11
5	Output 4	-	A4	5	Output 8	-	A8	5	Output 12	-	B1
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

G - Row Clutch				H - Row Clutch				J - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	A13	2	Output 17	-	B4	2	Output 21	-	B8
3	Output 14	-	B1	3	Output 18	-	B5	3	Output 22	-	B9
4	Output 15	-	B2	4	Output 19	-	B6	4	Output 23	-	B10
5	Output 16	-	B3	5	Output 20	-	B7	5	Output 24	-	C1
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

K - Row Clutch				L - Row Clutch				M - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	C2	2	Output 29	-	C6	2	Output 33	-	C10
3	Output 26	-	C3	3	Output 30	-	C7	3	Output 34	-	C11
4	Output 27	-	C4	4	Output 31	-	C8	4	Output 35	-	C12
5	Output 28	-	C5	5	Output 32	-	C9	5	Output 36	-	C13
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

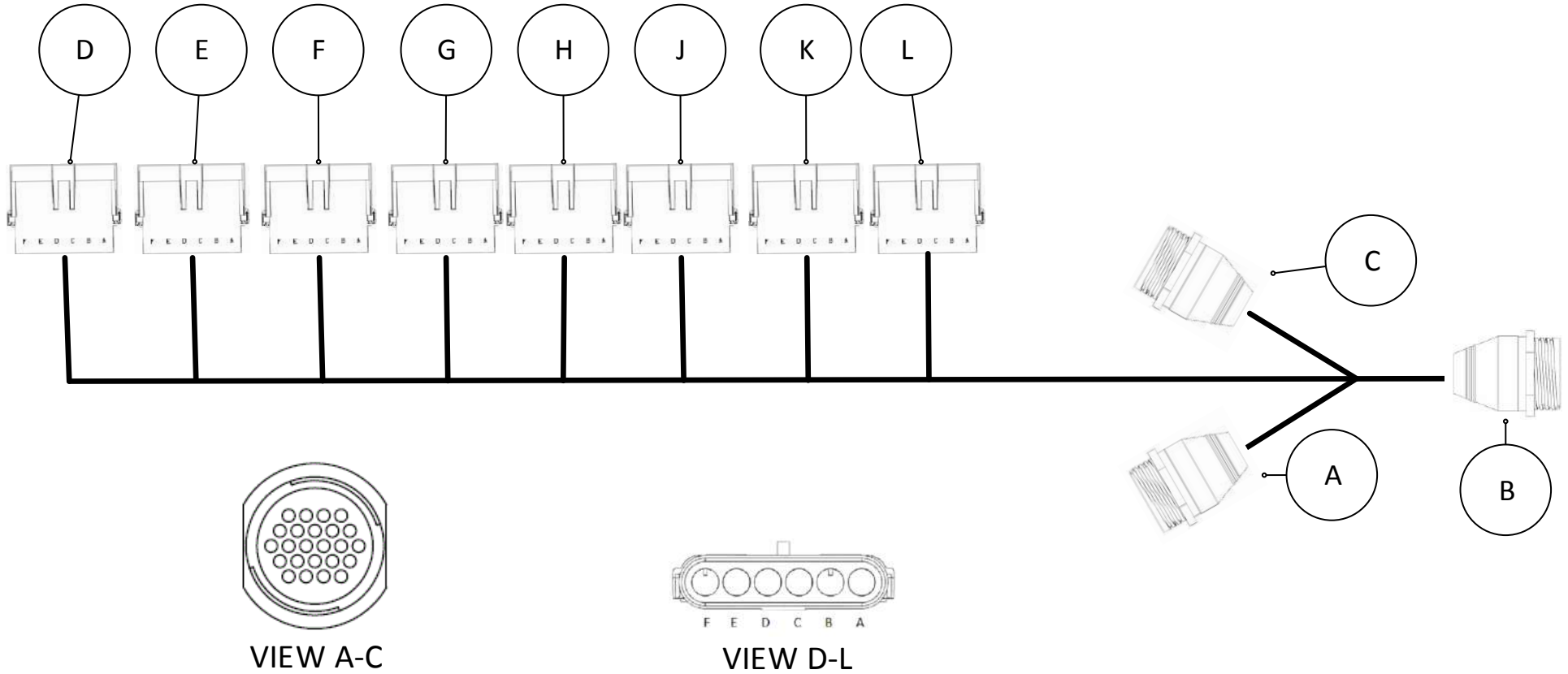
Go To 727XXX

Part #

727157

Part

DB80/88 32 Row 30", 48 Row 22" Clutch Merger
Harness



Part #

727157

Part

**DB80/88 32 Row 30",48 Row 22" Clutch Merger
Harness**

A - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12	Output 12	-	F5
13	Output 13	-	G2
14-22	Not Used	-	-
23	Ground One	-	(D-k)1
24	Ground Two	-	(D-k)1

B - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 14	-	G3
2	Output 15	-	G4
3	Output 16	-	G5
4	Output 17	-	H2
5	Output 18	-	H3
6	Output 19	-	H4
7-22	Not Used	-	-
23	Ground One	-	(D-k)1
24	Ground Two	-	(D-k)1

C - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 20	-	H5
2	Output 21	-	J2
3	Output 22	-	J3
4	Output 23	-	J4
5	Output 24	-	J5
6	Output 25	-	K2
7	Output 26	-	K3
8	Output 27	-	K4
9	Output 28	-	K5
10	Output 29	-	L2
11	Output 30	-	L3
12	Output 31	-	L4
13	Output 32	-	L5
14-22	Not Used	-	-
23	Ground One	-	(D-K)1
24	Ground Two	-	(D-K)1

Part #

727157

Part DB80/88 32 Row 30",48 Row 22" Clutch Merger
Harness

D - Row Clutch				E - Row Clutch				F - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5	2	Output 9	-	A9
3	Output 2	-	A2	3	Output 6	-	A6	3	Output 10	-	A10
4	Output 3	-	A3	4	Output 7	-	A7	4	Output 11	-	A11
5	Output 4	-	A4	5	Output 8	-	A8	5	Output 12	-	B1
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

G - Row Clutch				H - Row Clutch				J - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	A13	2	Output 17	-	B4	2	Output 21	-	C2
3	Output 14	-	B1	3	Output 18	-	B5	3	Output 22	-	C3
4	Output 15	-	B2	4	Output 19	-	B6	4	Output 23	-	C4
5	Output 16	-	B3	5	Output 20	-	C1	5	Output 24	-	C5
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

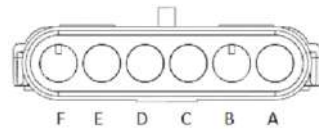
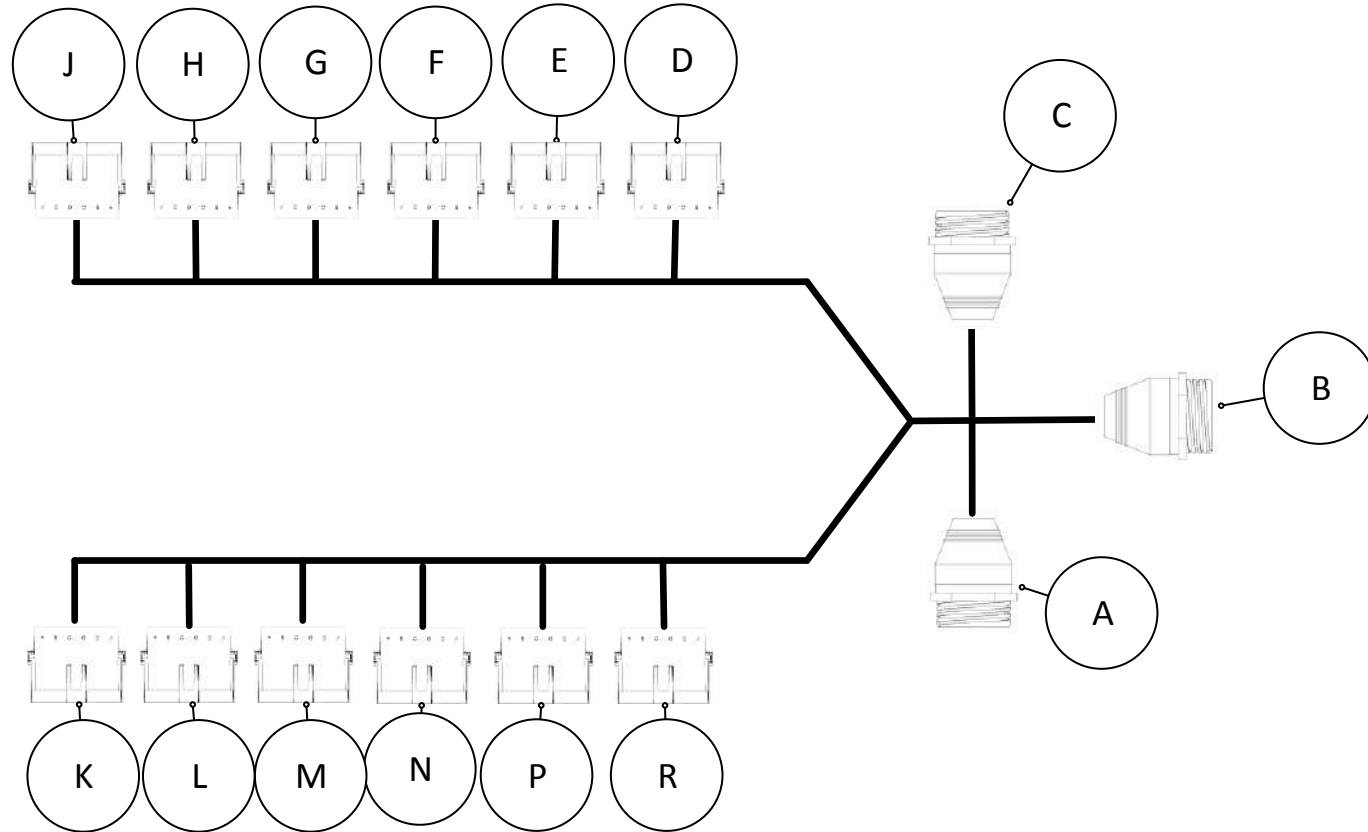
K - Row Clutch				L - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	C6	2	Output 29	-	C10
3	Output 26	-	C7	3	Output 30	-	C11
4	Output 27	-	C8	4	Output 31	-	C12
5	Output 28	-	C9	5	Output 32	-	C13
6	Not Used	-	-	6	Not Used	-	-

Part #

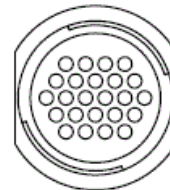
727158

Part

DB80 48 Row 20" Clutch Merger Harness



VIEW A-C



VIEW D-R

Go To 727XXXA - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12	Output 12	-	F5
13	Output 13	-	G2
14	Output 14	-	G3
15	Output 15	-	G4
16	Output 16	-	G5
17	Output 17	-	H2
18	Output 18	-	H3
19	Output 19	-	H4
20-22	Not Used	-	-
23	Ground 1	-	(D-R)1
24	Ground 2	-	(D-R)1

Part #

727158

Part

DB80 48 Row 20" Clutch Merger Harness

B - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 20	-	H5
2	Output 21	-	J2
3	Output 22	-	J3
4	Output 23	-	J4
5	Output 24	-	J5
6	Output 25	-	K2
7	Output 26	-	K3
8	Output 27	-	K4
9	Output 28	-	K5
10	Output 29	-	L2
11-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

C - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 30	-	L3
2	Output 31	-	L4
3	Output 32	-	L5
4	Output 33	-	M2
5	Output 34	-	M3
6	Output 35	-	M4
7	Output 36	-	M5
8	Output 37	-	N2
9	Output 38	-	N3
10	Output 39	-	N4
11	Output 40	-	N5
12	Output 41	-	P2
13	Output 42	-	P3
14	Output 43	-	P4
15	Output 44	-	P5
16	Output 45	-	R2
17	Output 46	-	R3
18	Output 47	-	R4
19	Output 48	-	R5
20-22	Not Used	-	-
23	Ground 1	-	(D-K)1
24	Ground 2	-	(D-K)1

D - Row Clutch				E - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5
3	Output 2	-	A2	3	Output 6	-	A6
4	Output 3	-	A3	4	Output 7	-	A7
5	Output 4	-	A4	5	Output 8	-	A8
6	Not Used	-	-	6	Not Used	-	-

Go To 727XXX

F - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 9	-	A9
3	Output 10	-	A10
4	Output 11	-	A11
5	Output 12	-	B12
6	Not Used	-	-

Part #

727158

Part

DB80 48 Row 20" Clutch Merger Harness

G - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 13	-	A13
3	Output 14	-	A14
4	Output 15	-	A15
5	Output 16	-	A16
6	Not Used	-	-

H - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 17	-	A17
3	Output 18	-	A18
4	Output 19	-	A19
5	Output 20	-	B1
6	Not Used	-	-

J - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 21	-	B2
3	Output 22	-	B3
4	Output 23	-	B4
5	Output 24	-	B5
6	Not Used	-	-

K - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 25	-	B6
3	Output 26	-	B7
4	Output 27	-	B8
5	Output 28	-	B9
6	Not Used	-	-

L - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 29	-	B10
3	Output 30	-	C1
4	Output 31	-	C2
5	Output 32	-	C3
6	Not Used	-	-

M - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 33	-	C12
3	Output 34	-	C13
4	Output 35	-	C14
5	Output 36	-	C15
6	Not Used	-	-

N - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 37	-	C8
3	Output 38	-	C9
4	Output 39	-	C10
5	Output 40	-	C11
6	Not Used	-	-

P - Row Clutch

6 Pin Weatherpack Receptacle

12010975

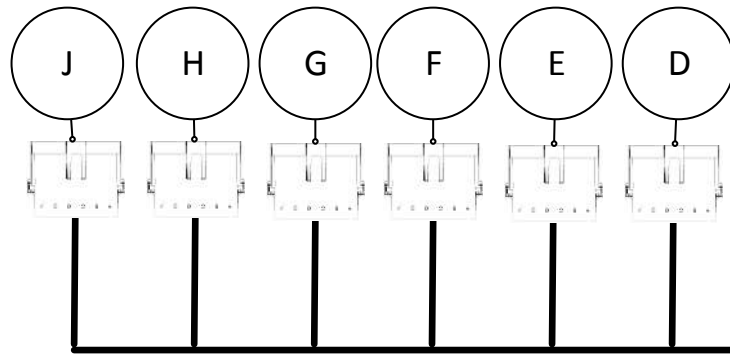
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 41	-	C12
3	Output 42	-	C13
4	Output 43	-	C14
5	Output 44	-	C15
6	Not Used	-	-

R - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 45	-	C11
3	Output 46	-	C17
4	Output 47	-	C18
5	Output 48	-	C19
6	Not Used	-	-

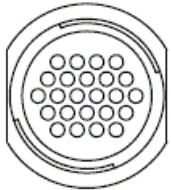


Part #

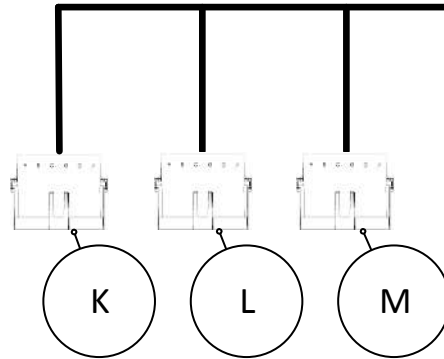
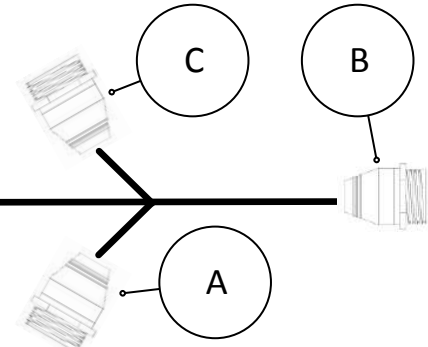
727159

Part

DB90 36 Row 30" Clutch Merger Harness



VIEW A-C



A - JD Left Frame

24 Pin AMP Receptacle
206838-2

Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12	Output 12	-	F5
13	Output 13	-	G2
14	Output 14	-	G3
15	Output 15	-	G4
16-22	Not Used	-	-
23	Ground One	-	(D-M)1
24	Ground Two	-	(D-M)1

B - JD Middle Frame

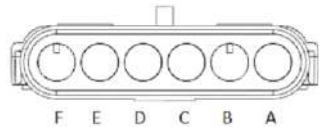
24 Pin AMP Receptacle
206838-2

Pin	Function	Color	From
1	Output 16	-	G5
2	Output 17	-	H2
3	Output 18	-	H3
4	Output 19	-	H4
5	Output 20	-	H5
6	Output 21	-	J2
7-22	Not Used	-	-
23	Ground One	-	(D-M)1
24	Ground Two	-	(D-M)1

C - JD Right Frame

24 Pin AMP Receptacle
206838-2

Pin	Function	Color	From
1	Output 22	-	J3
2	Output 23	-	J4
3	Output 24	-	J5
4	Output 25	-	K2
5	Output 26	-	K3
6	Output 27	-	K4
7	Output 28	-	K5
8	Output 29	-	L2
9	Output 30	-	L3
10	Output 31	-	L4
11	Output 32	-	L5
12	Output 33	-	M2
13	Output 34	-	M3
14	Output 35	-	M4
15	Output 36	-	M5
16-22	Not Used	-	-
23	Ground One	-	(D-K)1
24	Grond Two	-	(D-K)1
19	Row 16 Clutch Power	-	(D-K)4
20	Row 17 Clutch Power	-	(D-K)5



VIEW D-M

Part #

727159

Part

DB90 36 Row 30" Clutch Merger Harness

D - Row Clutch				E - Row Clutch				F - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5	2	Output 9	-	A9
3	Output 2	-	A2	3	Output 6	-	A6	3	Output 10	-	A10
4	Output 3	-	A3	4	Output 7	-	A7	4	Output 11	-	A11
5	Output 4	-	A4	5	Output 8	-	A8	5	Output 12	-	B12
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

G - Row Clutch				H - Row Clutch				J - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	A13	2	Output 17	-	B2	2	Output 21	-	B6
3	Output 14	-	A14	3	Output 18	-	B3	3	Output 22	-	C1
4	Output 15	-	A15	4	Output 19	-	B4	4	Output 23	-	C2
5	Output 16	-	B1	5	Output 20	-	B5	5	Output 24	-	C3
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

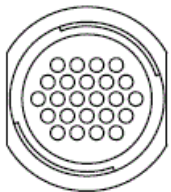
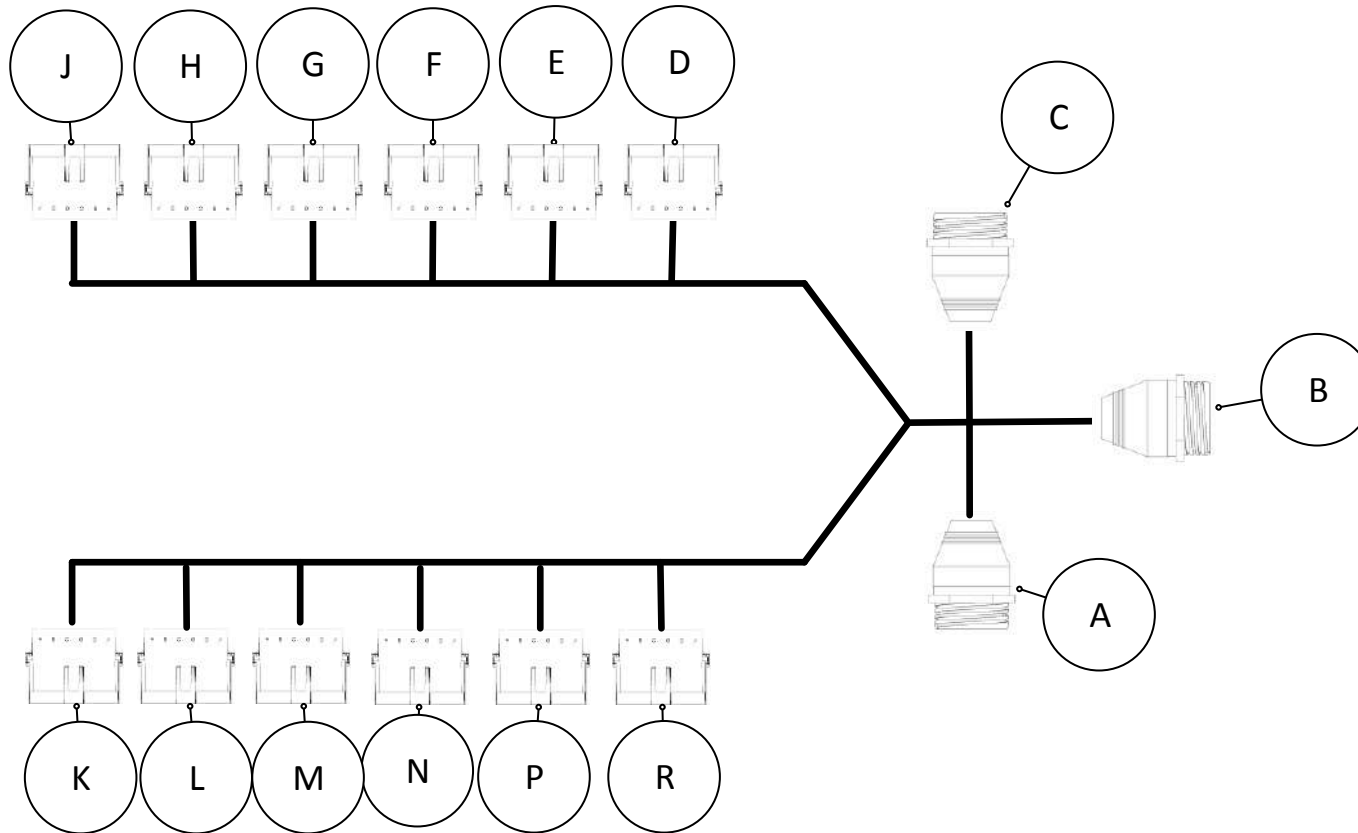
K - Row Clutch				L - Row Clutch				M - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	C4	2	Output 29	-	C8	2	Output 33	-	C12
3	Output 26	-	C5	3	Output 30	-	C9	3	Output 34	-	C13
4	Output 27	-	C6	4	Output 31	-	C10	4	Output 35	-	C14
5	Output 28	-	C7	5	Output 32	-	C11	5	Output 36	-	C15
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

Part #

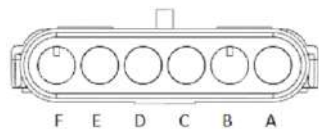
727160

Part

DB120 48 Row 30" Clutch Merger Harness



VIEW A-C



VIEW D-R

Go To 727XXX

A - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12	Output 12	-	F5
13	Output 13	-	G2
14	Output 14	-	G3
15	Output 15	-	G4
16	Output 16	-	G5
17	Output 17	-	H2
18	Output 18	-	H3
19	Output 19	-	H4
20	Output 20	-	H5
21	Output 21	-	J2
22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

Part #

727160

Part

DB120 48 Row 30" Clutch Merger Harness

B - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 22	-	J3
2	Output 23	-	J4
3	Output 24	-	J5
4	Output 25	-	K2
5	Output 26	-	K3
6	Output 27	-	K4
7-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

C - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 28	-	K5
2	Output 29	-	L2
3	Output 30	-	L3
4	Output 31	-	L4
5	Output 32	-	L5
6	Output 33	-	M2
7	Output 34	-	M3
8	Output 35	-	M4
9	Output 36	-	M5
10	Output 37	-	N2
11	Output 38	-	N3
12	Output 39	-	N4
13	Output 40	-	N5
14	Output 41	-	P2
15	Output 42	-	P3
16	Output 43	-	P4
17	Output 44	-	P5
18	Output 45	-	R2
19	Output 46	-	R3
20	Output 47	-	R4
21	Output 48	-	R5
22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

D - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 1	-	A1
3	Output 2	-	A2
4	Output 3	-	A3
5	Output 4	-	A4
6	Not Used	-	-

E - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 5	-	A5
3	Output 6	-	A6
4	Output 7	-	A7
5	Output 8	-	A8
6	Not Used	-	-

Go To 727XXX

F - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 9	-	A9
3	Output 10	-	A10
4	Output 11	-	A11
5	Output 12	-	A12
6	Not Used	-	-

Part #

727160

Part

DB120 48 Row 30" Clutch Merger Harness

G - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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H - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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J - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	A13	2	Output 17	-	A17	2	Output 21	-	A21
3	Output 14	-	A14	3	Output 18	-	A18	3	Output 22	-	B1
4	Output 15	-	A15	4	Output 19	-	A19	4	Output 23	-	B2
5	Output 16	-	A16	5	Output 20	-	A20	5	Output 24	-	B3
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

K - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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L - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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M - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	B4	2	Output 29	-	C2	2	Output 33	-	C6
3	Output 26	-	B5	3	Output 30	-	C3	3	Output 34	-	C7
4	Output 27	-	B6	4	Output 31	-	C4	4	Output 35	-	C8
5	Output 28	-	C1	5	Output 32	-	C5	5	Output 36	-	C9
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

N - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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P - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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R - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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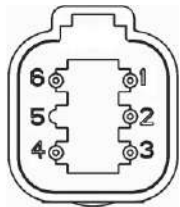
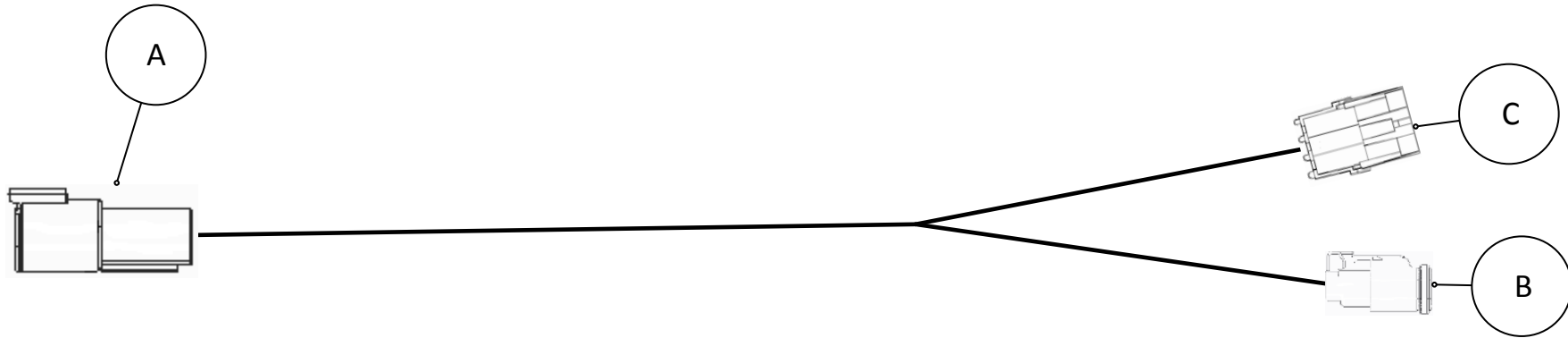
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 37	-	C10	2	Output 41	-	C14	2	Output 45	-	C18
3	Output 38	-	C11	3	Output 42	-	C15	3	Output 46	-	C19
4	Output 39	-	C12	4	Output 43	-	C16	4	Output 47	-	C20
5	Output 40	-	C13	5	Output 44	-	C17	5	Output 48	-	C21
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

Part #

727163

Part

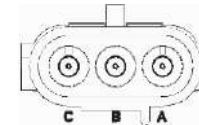
JD Row Command



VIEW A



VIEW B



VIEW C

A - JD Planter Harness			
6 Pin Deutsch Receptacle			
DT04-6P			
Pin	Function	Color	To
1	Sensor Power	Red	CC
2	Sensor Signal	Black	CA
3	Sensor Ground	Black	CB
4	Clutch Ground	Black	B2
5	Clutch Power	Black	B1

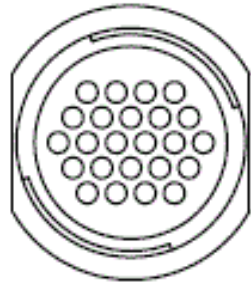
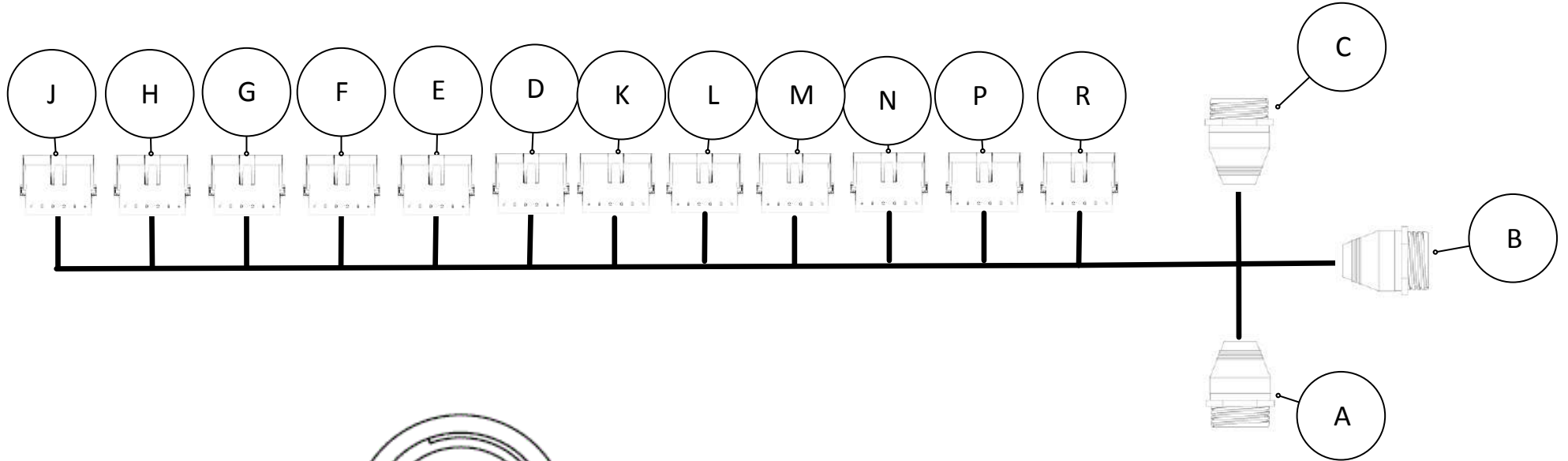
B - Clutch			
Deutsch 2 Pin Plug			
DT06-2S			
Pin	Function	Color	To
A	Clutch Power	Black	A5
B	Clutch Ground	Black	A4

C - Seed Tube			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Sensor Signal	Black	A2
B	Sensor Ground	Black	A3
C	Sensor Power	Black	A1

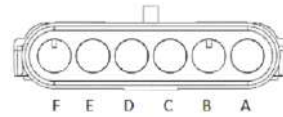
Part #

727166

Part DB60 47/48 Row 15" Clutch Merger Harness



VIEW A-C



VIEW D-R

Go To 727XXX

Part #

727166

Part DB60 47/48 Row 15" Clutch Merger Harness

A - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D3
3	Output 3	-	D4
4	Output 4	-	D5
5	Output 5	-	E2
6	Output 6	-	E3
7	Output 7	-	E4
8	Output 8	-	E5
9	Output 9	-	F2
10	Output 10	-	F3
11	Output 11	-	F4
12	Output 12	-	F5
13	Output 13	-	G2
14	Output 14	-	G3
15	Output 15	-	G4
16	Output 16	-	G5
17	Output 17	-	H2
18	A18	-	H*
19-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

B - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 18	-	H3
2	Output 19	-	H4
3	Output 20	-	H5
4	Output 21	-	J2
5	Output 22	-	J3
6	Output 23	-	J4
7	Output 24	-	J5
8	Output 25	-	K2
9	Output 26	-	K3
10	Output 27	-	K4
11	Output 28	-	K5
12	Output 29	-	L2
13	Output 30	-	L3
14-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

C - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			
Pin	Function	Color	From
1	Output 31	-	L4
2	Output 32	-	L5
3	Output 33	-	M2
4	Output 34	-	M3
5	Output 35	-	M4
6	Output 36	-	M5
7	Output 37	-	N2
8	Output 38	-	N3
9	Output 39	-	N4
10	Output 40	-	N5
11	Output 41	-	P2
12	Output 42	-	P3
13	Output 43	-	P4
14	Output 44	-	P5
15	Output 45	-	R2
16	Output 46	-	R3
17	Output 47	-	R4
18	Output 48	-	R5
19-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

D - Row Clutch				E - Row Clutch			
6 Pin Weatherpack Receptacle				6 Pin Weatherpack Receptacle			
12010975				12010975			
Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 1	-	A1	2	Output 5	-	A5
3	Output 2	-	A2	3	Output 6	-	A6
4	Output 3	-	A3	4	Output 7	-	A7
5	Output 4	-	A4	5	Output 8	-	A8
6	Not Used	-	-	6	Not Used	-	-

Go To 727XXX

F - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 9	-	A9
3	Output 10	-	A10
4	Output 11	-	A11
5	Output 12	-	A12
6	Not Used	-	-

Part #

727166

Part DB60 47/48 Row 15" Clutch Merger Harness

G - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
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H - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

J - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 13	-	A13	2	Output 17	-	A17	2	Output 21	-	B4
3	Output 14	-	A14	3	Output 18	-	B1	3	Output 22	-	B5
4	Output 15	-	A15	4	Output 19	-	B2	4	Output 23	-	B6
5	Output 16	-	A16	5	Output 20	-	B3	5	Output 24	-	B7
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

K - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

L - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

M - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 25	-	B8	2	Output 29	-	B12	2	Output 33	-	C3
3	Output 26	-	B9	3	Output 30	-	B13	3	Output 34	-	C4
4	Output 27	-	B10	4	Output 31	-	C1	4	Output 35	-	C5
5	Output 28	-	B11	5	Output 32	-	C2	5	Output 36	-	C6
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

N - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

P - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

R - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
--	--	--	--

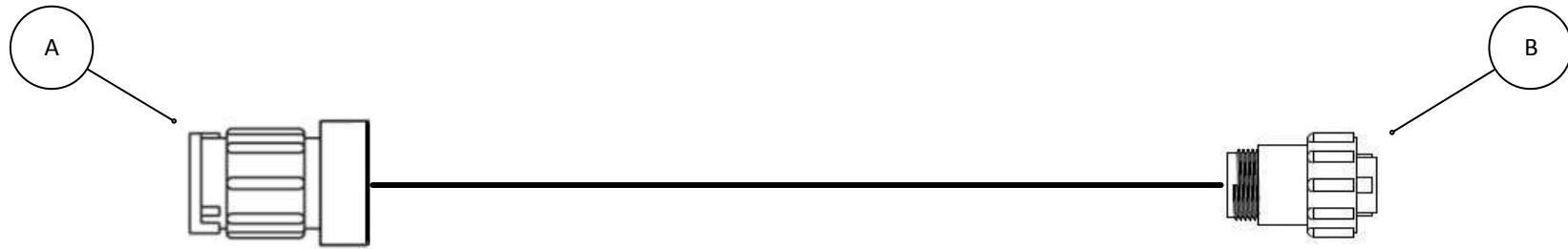
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Output 37	-	C7	2	Output 41	-	C11	2	Output 45	-	C15
3	Output 38	-	C8	3	Output 42	-	C12	3	Output 46	-	C16
4	Output 39	-	C9	4	Output 43	-	C13	4	Output 47	-	C17
5	Output 40	-	C10	5	Output 44	-	C14	5	Output 48	-	C18
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

Part #

727167

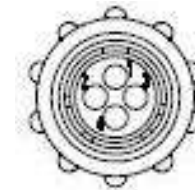
Part

Raven Radar Adapter



VIEW A

A- Conxall-Switchcraft Radar Input			
Conxall-Switchcraft 3 Pin Plug			
5182-3SG			
Pin	Function	Color	To
A1	Ground		B1
A2	Signal		B2
A3	Power		B3



VIEW B

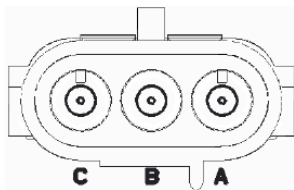
B- 4 Pin Radar Output			
4 Pin AMP			
206429-1			
Pin	Function	Color	From
B1	Ground		A1
B2	Signal		A2
B3	Power		A3
B4	Power Jumper		B3

Part #

727168

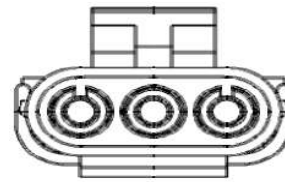
Part

JD Rotary Height Sensor 'Y' Harness



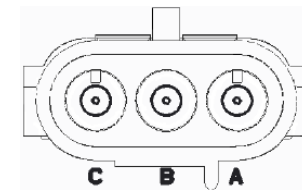
VIEW A

A - RFM Base Harness			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Height Signal	NA	BB,CB
B	Sensor Ground	NA	BA,CA
C	Not Used		



VIEW B

B - Rotary Height Sensor			
3 Pin WeatherPack Plug W/Pins			
12015793			
Pin	Function	Color	To
A	Sensor Ground	NA	AB,CA
B	Height Signal	NA	AA,CB
C	Sensor Power	NA	CC



VIEW C

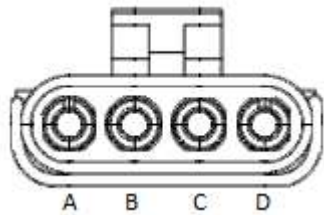
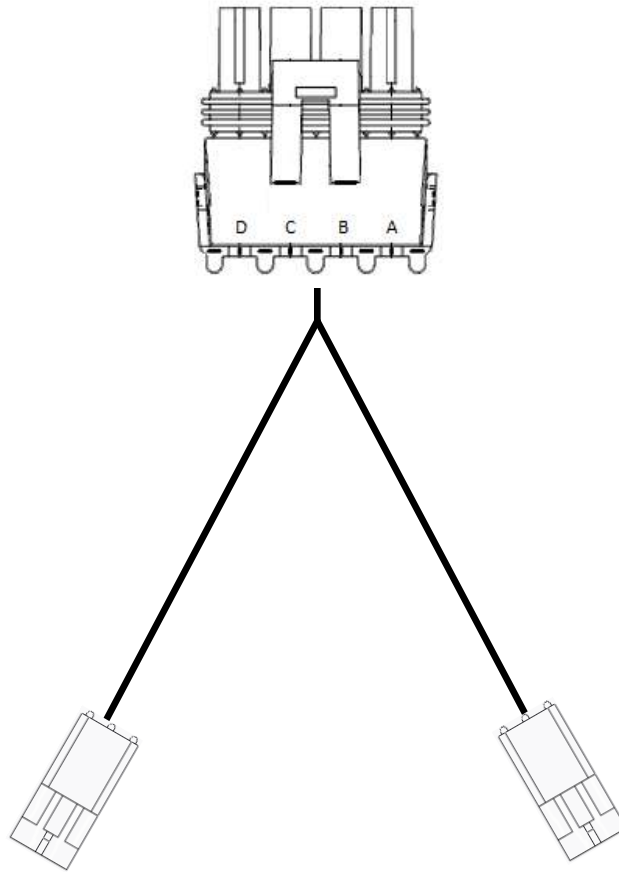
C - Rotary Height Sensor			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	From
A	Sensor Ground	NA	AB,BA
B	Height Signal	NA	AA,BB
C	Sensor Power	NA	BC

Part #

727169

Part

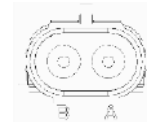
½ Width Splitter Tru-Count



VIEW A

A - Row Clutch			
4 Pin Weatherpack Plug			
12015797			

Pin	Function	Color	To
A	Right Power	-	CA
B	Right Ground	-	CB
C	Left Power	-	BA
D	Left Ground	-	BB



VIEW B

B - Row Clutch			
2 Pin Weatherpack Plug			
12010973			

Pin	Function	Color	To
A	Power	-	AA
B	Ground	-	BB

C - Row Clutch			
2 Pin Weatherpack Plug			
12010973			

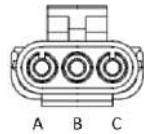
Pin	Function	Color	To
A	Power	-	AC
B	Ground	-	BD

Part #

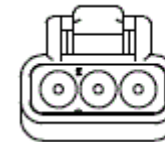
727170

Part

CNH Speed Sensor Adapter Harness



VIEW A



VIEW B

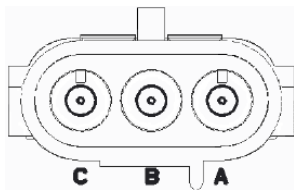
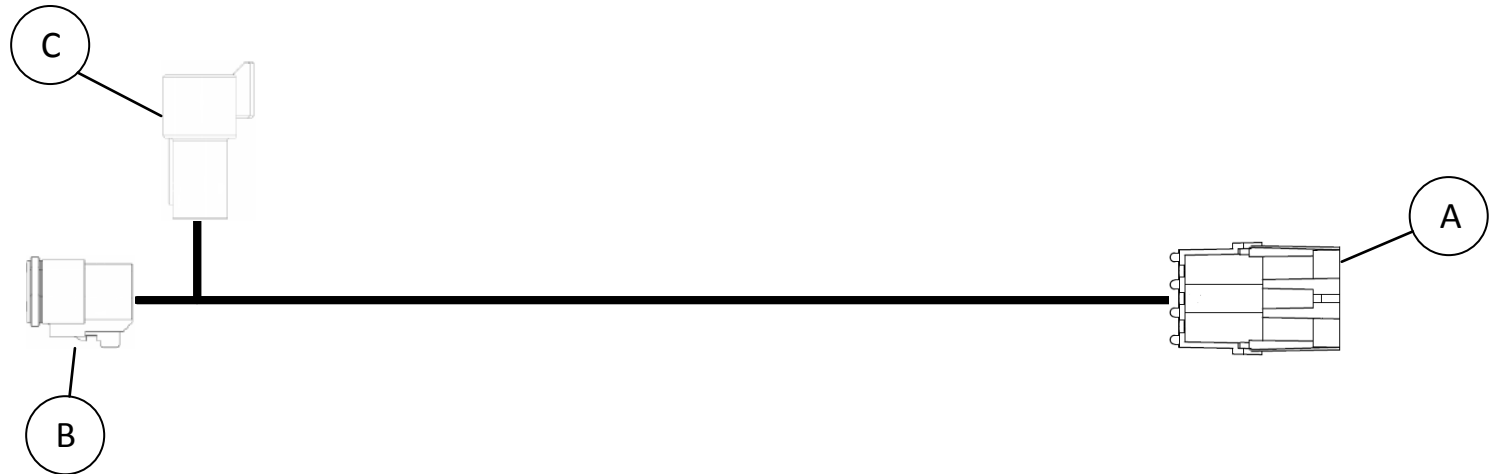
A - Motor Harness				B - CNH Speed Sensor			
3 Pin WeatherPack Plug				3 Pin Deutsch Plug			
12015793				DTM06-3S			
Pin	Function	Color	To	Pin	Function	Color	To
A	Sensor Power	-	B1	1	Sensor Power	-	AA
B	Sensor Ground	-	B3	2	Speed Sensor Signal	-	AC
C	Speed Sensor Signal	-	B2	3	Sensor Ground	-	AB

Part #

727171

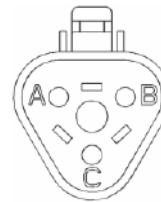
Part

CIH Rotary Height Sensor 'Y' Harness



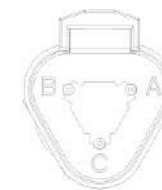
VIEW A

A - RFM Base Harness			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Height Signal	NA	BB,CB
B	Sensor Ground	NA	BC,CC
C	NA	NA	NA



VIEW B

B - Rotary Height Sensor			
3 Pin Deutsch Plug			
DT06-3S			
Pin	Function	Color	To
A	Sensor Power	NA	CA
B	Height Signal	NA	AA,CB
C	Sensor Ground	NA	AB, CC



VIEW C

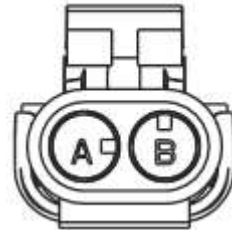
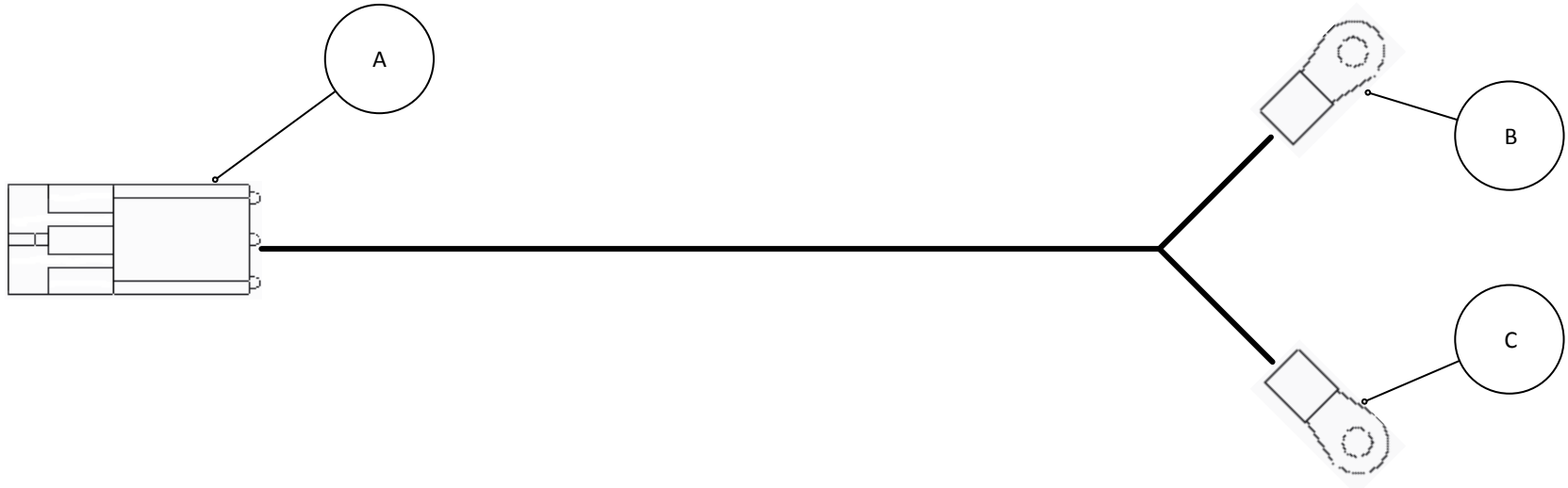
C - Rotary Height Sensor			
3 Pin Deutsch Receptacle			
DT04-3P			
Pin	Function	Color	To
A	Sensor Power	NA	BA
B	Height Signal	NA	AA,BB
C	Sensor Ground	NA	AB,BC

Part #

727172

Part

Disconnect Extension to Ring Terminals



VIEW A

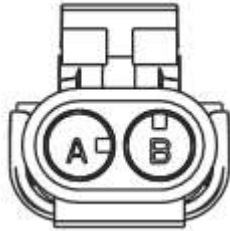
A- Power Input			
Weatherpack 2 Pin Plug			
12010973			
Pin	Function	Color	To
AA	Power +12V		B
AB	Ground		C

Part #

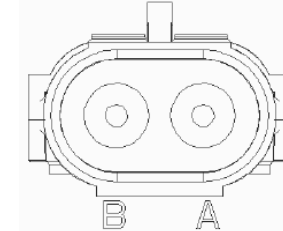
727173

Part

Disconnect clutch extension 2 pin to 2 pin



VIEW A



VIEW B

A- Power Input			
Weatherpack 2 Pin Plug			
12015792			
Pin	Function	Color	To
AA	Power +12V		BA
AB	Ground		BB

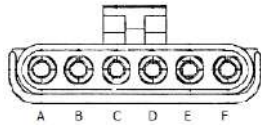
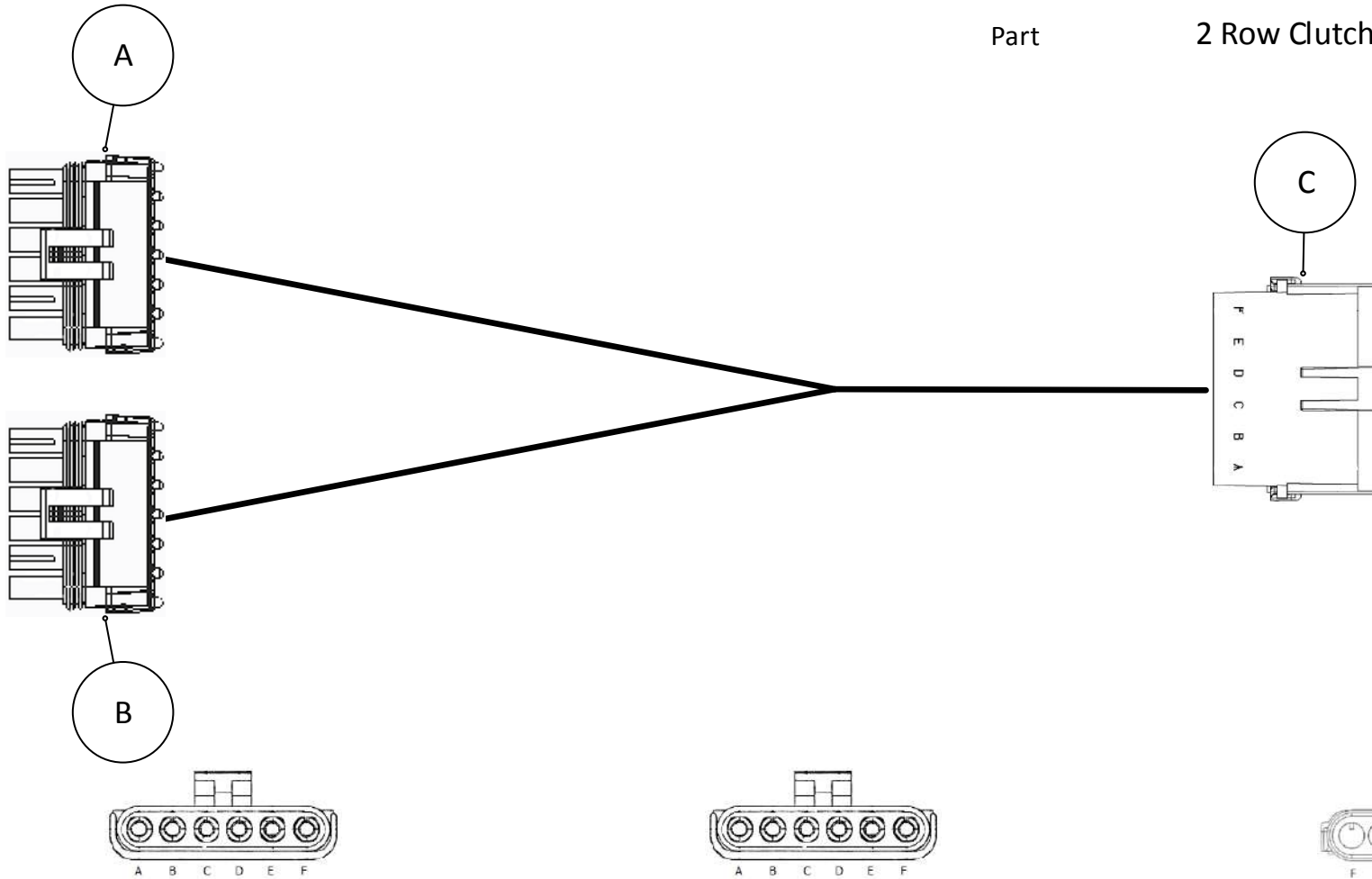
B- Power Output			
Weatherpack 2 Pin Receptacle			
12010973			
Pin	Function	Color	From
BA	Power +12V		AA
BB	Ground		AB

Part #

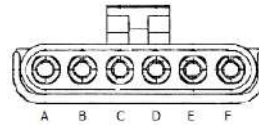
727176

Part

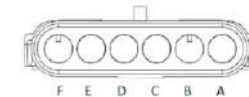
2 Row Clutch Merger Harness



VIEW A



VIEW B



VIEW C

A - Row Clutch			
6 Pin Weatherpack Plug			
12015799			

Pin	Function	Color	To
AA	Ground	-	AA,BA,CA
AB	Row 1 Clutch Power	-	AB,BA,CD
AC	Row 2 Clutch Power	-	AB,AC,CB
AD	Row 3 Clutch Power	-	AD,AE,CC
AE	Row 4 Clutch Power	-	BB,BC,CC
AF	Not Used	-	-

B - Row Clutch			
6 Pin Weatherpack Plug			
12015799			

Pin	Function	Color	To
BA	Ground	-	AA,BA,CA
BB	Row 1 Clutch Power	-	AB,BA,CD
BC	Row 2 Clutch Power	-	AB,AC,CB
BD	Row 3 Clutch Power	-	AD,AE,CC
BE	Row 4 Clutch Power	-	BB,BC,CC
BF	Not Used	-	-

C - Row Clutch			
6 Pin Weatherpack Plug			
12010975			

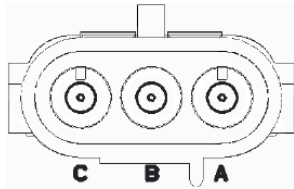
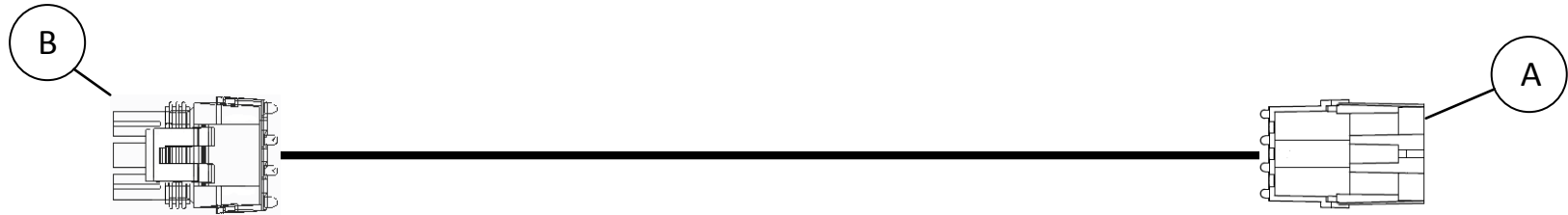
Pin	Function	Color	To
CA	Ground	-	AA,BA,CA
CB	Row 1 Clutch Power	-	AB,AC,CB
CC	Row 2 Clutch Power	-	AD,AE,CC
CD	Row 3 Clutch Power	-	AD,AE,CC
CE	Row 4 Clutch Power	-	BB,BC,CC
CF	Not Used	-	-

Part #

727178

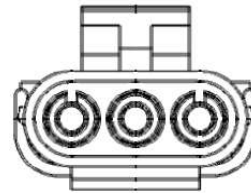
Part

JD Rotary Height Sensor Harness



VIEW A

A - RFM Base Harness			
3 Pin WeatherPack Receptacle			
12010717			
Pin	Function	Color	To
A	Height Signal	NA	BB
B	Sensor Ground	NA	BA
C	Sensor Power	NA	BC



VIEW B

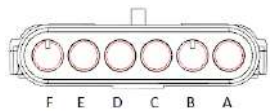
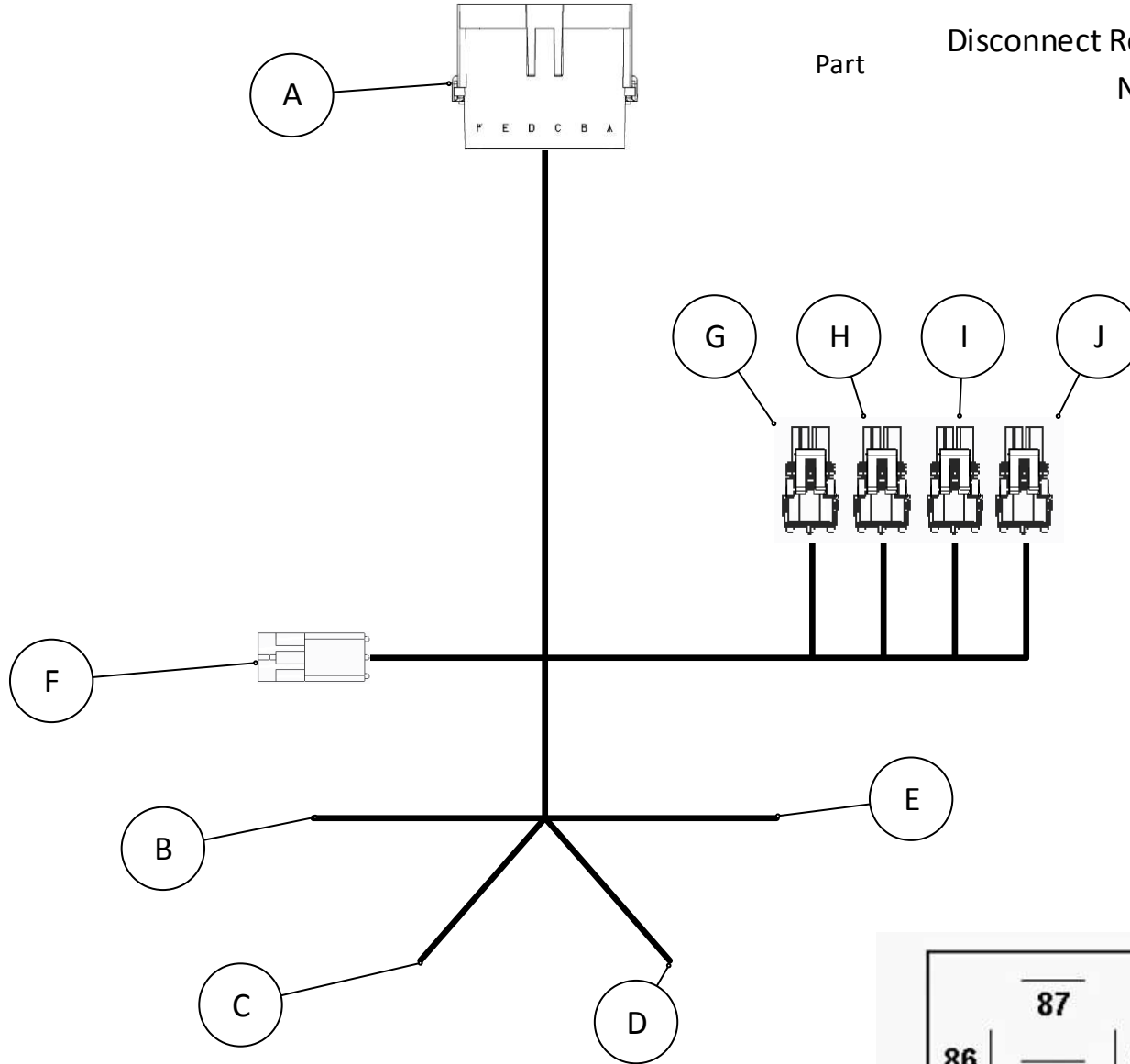
B - Rotary Height Sensor			
3 Pin WeatherPack Plug W/Pins			
12015793			
Pin	Function	Color	To
A	Sensor Ground	NA	AB
B	Height Signal	NA	AA
C	Sensor Power	NA	AC

Part #

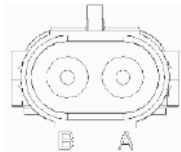
727184

Part

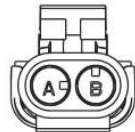
**Disconnect Relay Module, 4 disconnects,
Normally Closed**



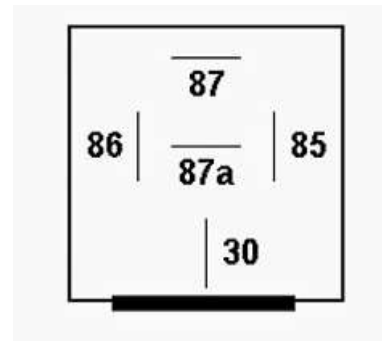
VIEW A



VIEW F



VIEW G-J



VIEW B-E

A - RowFlow Base Harness
6 Pin Weatherpack Receptacle
12010975

Pin	Function	Color	To
A1	Ground	-	(B-E)86
A2	Input 1	-	B85
A3	Input 2	-	C85
A4	Input 3	-	D85
A5	Input 4	-	E85
A6	Not Used	-	-

B - Relay 1
Hella Relay
H84709001

Pin	Function	Color	To
30	Output # 1	-	GA
85	Input # 1	-	A2
86	Ground	-	A1
87a	Power, 12v	-	FA

C - Relay 2
Hella Relay
H84709001

Pin	Function	Color	To
30	Output # 2	-	HA
85	Input # 2	-	A3
86	Ground	-	A1
87a	Power, 12v	-	FA

D - Relay 3
Hella Relay
H84709001

Pin	Function	Color	To
30	Output # 3	-	IA
85	Input # 3	-	A4
86	Ground	-	A1
87a	Power, 12v	-	FA

E - Relay 4
Hella Relay
H84709001

Pin	Function	Color	To
30	Output # 3	-	JA
85	Input # 3	-	A5
86	Ground	-	A1
87a	Power, 12v	-	FA

F - Power Input
2 Pin WeatherPack Receptacle
12010973

Pin	Function	Color	To
A	Power	-	(B-E)87a
B	Ground	-	(G-J)B

Part #

727184

Part

Disconnect Relay GP, 4-12 Solenoids

G - Row Clutch
2 Pin WeatherPack Plug
12015792

Pin	Function	Color	To
A	Output # 1	-	B30
B	Ground	-	FB, (G-J)B

H - Row Clutch
2 Pin WeatherPack Plug
12015792

Pin	Function	Color	To
A	Output # 2	-	C30
B	Ground	-	FB, (G-J)B

I - Row Clutch
2 Pin WeatherPack Plug
12015792

Pin	Function	Color	To
A	Output # 3	-	D30
B	Ground	-	FB, (G-J)B

J - Row Clutch
2 Pin WeatherPack Plug
12015792

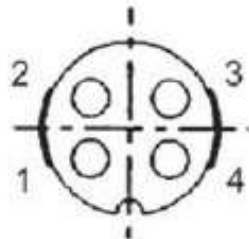
Pin	Function	Color	To
A	Output # 4	-	E30
B	Ground	-	FB, (G-J)B

Part #

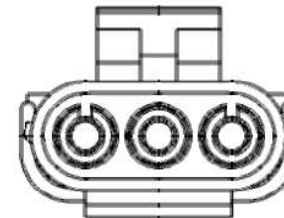
727187

Part

Varis Speed Sensor Adapter Harness



VIEW A

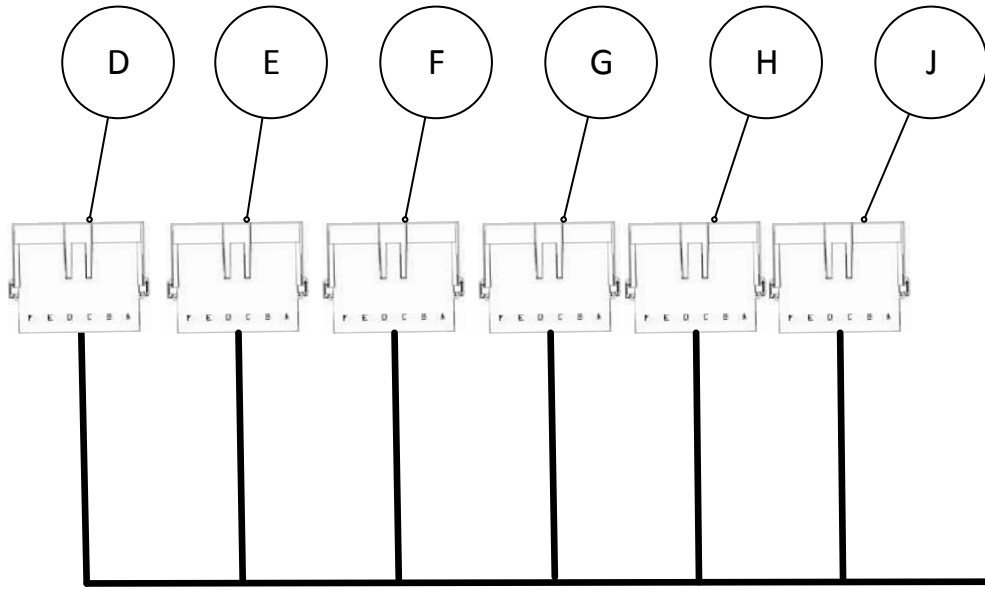


A B C
VIEW B

A - Sensor Input			
Switchcraft 4 Pin Female Plug			
EN3L4F			
Pin	Function	Color	To
1	Power		BA
2	Ground		BB
3	Signal		BC

A - Sensor Output			
3 Pin Weatherpack Plug			
12015793			
Pin	Function	Color	From
A	Power		A1
B	Ground		A2
C	Signal		A3

Go To 727XXX

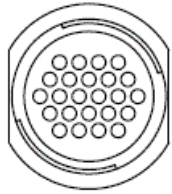
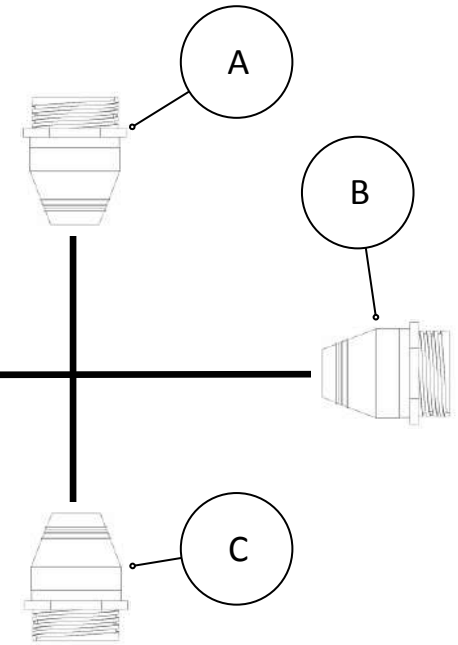


Part #

727188

Part

DB60 24 Row 30" Clutch Merger Harness



VIEW A-C

A - JD Left Frame			
24 Pin AMP Receptacle			
206838-2			

Pin	Function	Color	From
2	Output 1	-	DB
3	Output 2	-	DC
4	Output 3	-	DD
5	Output 4	-	DE
6	Output 5	-	EB
7	Output 6	-	EC
8	Output 7	-	ED
9	Output 8	-	EE
10	Output 9	-	FB
11-22	Not Used	-	-
23	Ground One	-	(D-J)1
24	Ground Two	-	(D-J)2

B - JD Center Frame			
24 Pin AMP Receptacle			
206838-2			

Pin	Function	Color	From
1	Output 10	-	FC
2	Output 11	-	FD
3	Output 12	-	FE
4	Output 13	-	GB
5	Output 14	-	GC
6	Output 15	-	GD
22-Jul	Not Used	-	-
23	Ground One	-	(D-J)1
24	Ground Two	-	(D-J)1

C - JD Right Frame			
24 Pin AMP Receptacle			
206838-2			

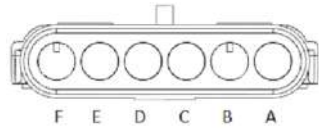
Pin	Function	Color	From
1	Output 16	-	GE
2	Output 17	-	HB
3	Output 18	-	HC
4	Output 19	-	HD
5	Output 20	-	HE
6	Output 21	-	JB
7	Output 22	-	JC
8	Output 23	-	JD
9	Output 24	-	JE
9-22	Ground One	-	-
23	Ground Two	-	(D-J)1
24	Row 10 Clutch Power	Green	(D-J)1

Part #

727188

Part

DB60 24 Row 30" Clutch Merger Harness



VIEW D

VIEW E

VIEW F

D - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 1	-	A2
3	Output 2	-	A3
4	Output 3	-	A4
5	Output 4	-	A5
6	Not Used	-	-

E - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Function	Color	To	
Ground	-	A-C(23,24)	
Output 5	-	A6	
Output 6	-	A7	
Output 7	-	A8	
Output 8	-	A9	
Not Used	-	-	

F - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 9	-	A10
3	Output 10	-	B1
4	Output 11	-	B2
5	Output 12	-	B3
6	Not Used	-	-

VIEW G

VIEW H

VIEW J

G - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 13	-	B4
3	Output 14	-	B5
4	Output 15	-	B6
5	Output 16	-	C1
6	Not Used	-	-

H - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 17	-	C2
3	Output 18	-	C3
4	Output 19	-	C4
5	Output 20	-	C5
6	Not Used	-	-

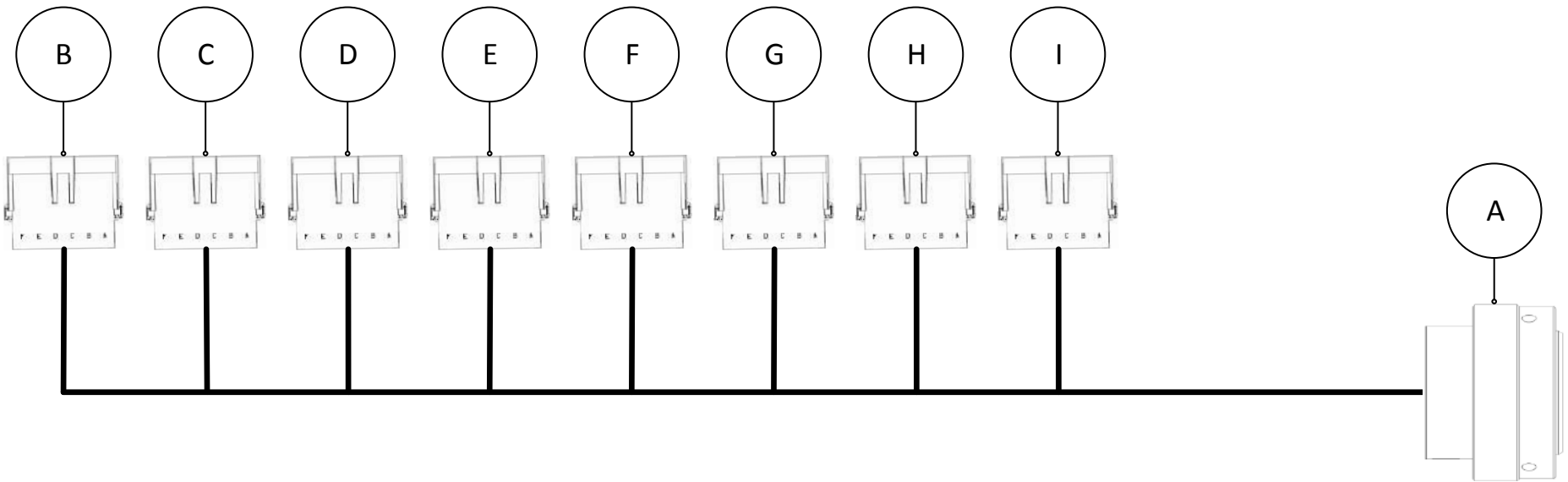
J - Row Clutch			
6 Pin Weatherpack Receptacle			
12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Output 21	-	C6
3	Output 22	-	C7
4	Output 23	-	C8
5	Output 24	-	C9
6	Not Used	-	-

Part #

727193

Part

JD Row Command 2011+





VIEW A

A - JD Clutch Bulkhead

Deutsch 47 Pin Plug

HDP26-24-47SE

Pin	Function	Color	To
1	Ground	Black	A4, A5, (B-I)A
2	Row 1 Clutch	Blue	BB
3	Row 2 Clutch	Blue	BC
4	Ground	Black	A1, A5, (B-I)A
5	Ground	Black	A1, A4, (B-I)A
6	Not Used		
7	Row 3 Clutch	Blue	BD
8	Row 4 Clutch	Blue	BE
9	Row 5 Clutch	Grey	CB
10	Row 6 Clutch	Grey	CC
11	Row 7 Clutch	Grey	CD
12	Row 8 Clutch	Grey	CE
13	Row 9 Clutch	Green	DB
14	Row 10 Clutch	Green	DC
15	Row 11 Clutch	Green	DD
16	Row 12 Clutch	Green	DE
17	Row 13 Clutch	Orange	EB
18	Row 14 Clutch	Orange	EC
19	Row 15 Clutch	Orange	ED
20	Row 16 Clutch	Orange	EE
21	Row 17 Clutch	Tan	FB
22	Row 18 Clutch	Tan	FC
23	Row 19 Clutch	Tan	FD
24	Row 20 Clutch	Tan	FE
25	Row 21 Clutch	Purple	GB
26	Row 22 Clutch	Purple	GC
27	Row 23 Clutch	Purple	GD
28	Row 24 Clutch	Purple	GE
29	Row 25 Clutch	Brown	HB
30	Row 26 Clutch	Brown	HC

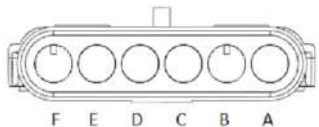
Part #

727193

Part

JD Row Command 2011+

31	Row 27 Clutch	Brown	HD
32	Row 28 Clutch	Brown	HE
33	Row 29 Clutch	Yellow	IB
34	Row 30 Clutch	Yellow	IC
35	Not Used		
36	Row 31 Clutch	Yellow	ID
37	Row 32 Clutch	Yellow	IE
38	Power Jumper	Black	A42
39	Ground Jumper	Black	A43
40	CAN HI Jumper	Black	A44
41	CAN LO Jumper	Black	A45
42	Power Jumper	Black	A38
43	Ground Jumper	Black	A39
44	CAN HI Jumper	Black	A40
45	CAN LO Jumper	Black	A41
46	Not Used		
47	Not Used		



VIEW B-I

Part #

727193

Part

JD Row Command 2011+

B - Clutch Rows 1-4			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 1 Clutch	Blue	A2
C	Row 2 Clutch	Blue	A3
D	Row 3 Clutch	Blue	A7
E	Row 4 Clutch	Blue	A8
F	Not Used		

C - Clutch Rows 5-8			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 5 Clutch	Grey	A9
C	Row 6 Clutch	Grey	A10
D	Row 7 Clutch	Grey	A11
E	Row 8 Clutch	Grey	A12
F	Not Used		

D - Clutch Rows 9-12			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 9 Clutch	Green	A13
C	Row 10 Clutch	Green	A14
D	Row 11 Clutch	Green	A15
E	Row 12 Clutch	Green	A16
F	Not Used		

E - Clutch Rows 13-16			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 13 Clutch	Orange	A17
C	Row 14 Clutch	Orange	A18
D	Row 15 Clutch	Orange	A19
E	Row 16 Clutch	Orange	A20
F	Not Used		

F - Clutch Rows 17-20			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 17 Clutch	Tan	A21
C	Row 18 Clutch	Tan	A22
D	Row 19 Clutch	Tan	A23
E	Row 20 Clutch	Tan	A24
F	Not Used		

G - Clutch Rows 21-24			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 21 Clutch	Purple	A25
C	Row 22 Clutch	Purple	A26
D	Row 23 Clutch	Purple	A27
E	Row 24 Clutch	Purple	A28
F	Not Used		

H - Clutch Rows 25-28			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 25 Clutch	Brown	A29
C	Row 26 Clutch	Brown	A30
D	Row 27 Clutch	Brown	A31
E	Row 28 Clutch	Brown	A32
F	Not Used		

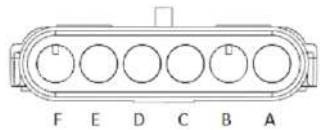
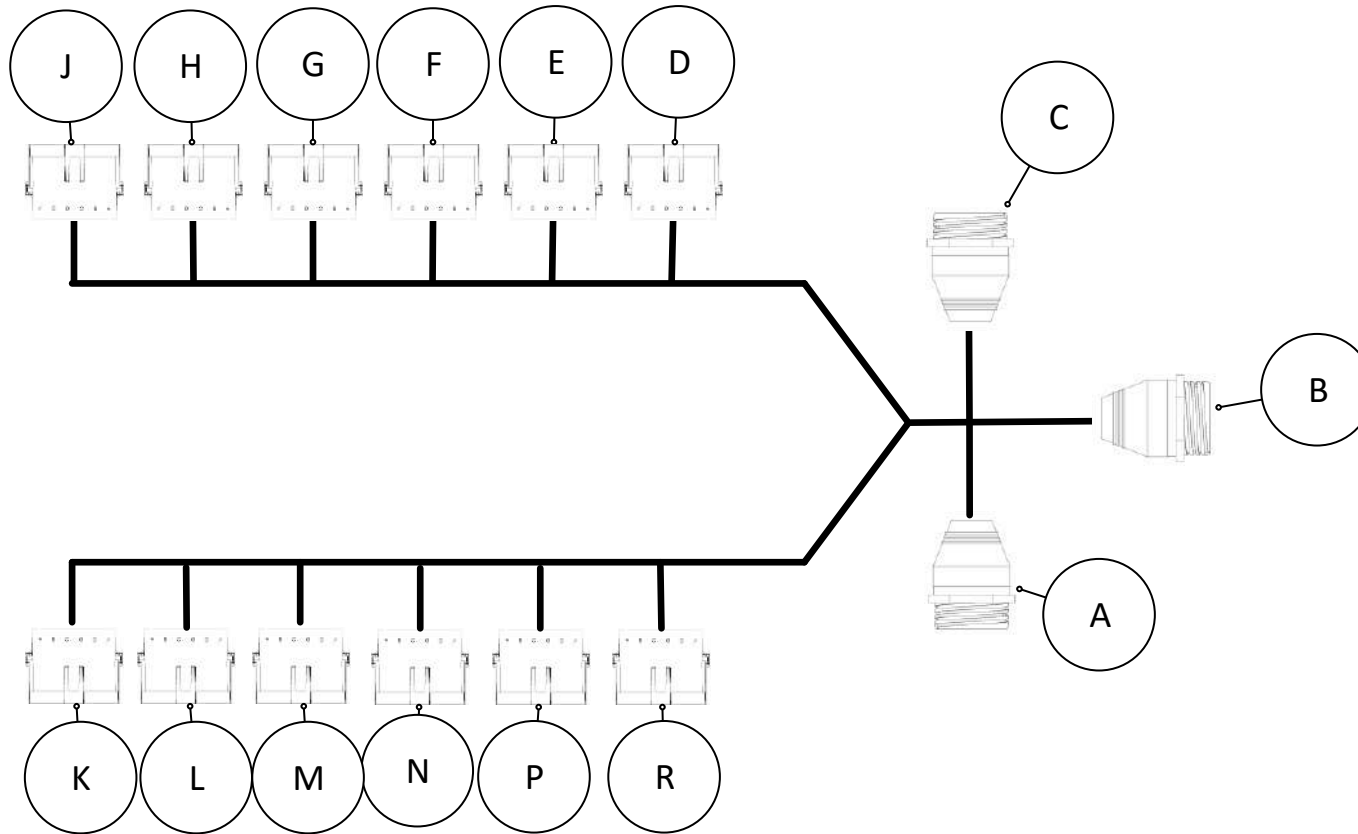
I - Clutch Rows 29-32			
6 Pin WeatherPack Receptacle			
12010975			
Pin	Function	Color	To
A	Ground	Black	A1, A4, A5, (B-I)A
B	Row 29 Clutch	Yellow	A33
C	Row 30 Clutch	Yellow	A34
D	Row 31 Clutch	Yellow	A36
E	Row 32 Clutch	Yellow	A37
F	Not Used		

Part #

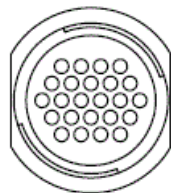
727201

Part

DB90 54 Row 20" Clutch Merger Harness



VIEW A-C



VIEW D-R

Go To 727XXXA - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 1	-	D2
2	Output 2	-	D2
3	Output 3	-	D3
4	Output 4	-	D3
5	Output 5	-	D4
6	Output 6	-	D4
7	Output 7	-	D5
8	Output 8	-	E2
9	Output 9	-	E3
10	Output 10	-	E4
11	Output 11	-	E5
12	Output 12	-	F2
13	Output 13	-	F3
14	Output 14	-	F4
15	Output 15	-	F5
16	Output 16	-	G2
17	Output 17	-	G3
18	Output 18	-	G4
19	Output 19	-	G5
20	Output 20	-	H2
21	Output 21	-	H3
22	Output 22	-	H4
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

Part #

727201

Part

DB90 54 Row 20" Clutch Merger Harness

B - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 23	-	H5
2	Output 24	-	J2
3	Output 25	-	J3
4	Output 26	-	J4
5	Output 27	-	J5
6	Output 28	-	K2
7	Output 29	-	K3
8	Output 30	-	K4
9	Output 31	-	K5
10	Output 32	-	L2
11-22	Not Used	-	-
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

C - JD Left Frame

24 Pin AMP Receptacle

206838-2

Pin	Function	Color	From
1	Output 33	-	L3
2	Output 34	-	L4
3	Output 35	-	L5
4	Output 36	-	M2
5	Output 37	-	M3
6	Output 38	-	M4
7	Output 39	-	M5
8	Output 40	-	N2
9	Output 41	-	N3
10	Output 42	-	N4
11	Output 43	-	N5
12	Output 44	-	P2
13	Output 45	-	P3
14	Output 46	-	P4
15	Output 47	-	P5
16	Output 48	-	R2
17	Output 49	-	R3
18	Output 50	-	R3
19	Output 51	-	R4
20	Output 52	-	R4
21	Output 53	-	R5
22	Output 54	-	R5
23	Ground One	-	(D-R)1
24	Ground Two	-	(D-R)1

D - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Rows 1-2	-	A1, A2
3	Rows 3-4	-	A3,A4
4	Rows 5-6	-	A5,A6
5	Row 7	-	A5
6	Not Used	-	-

E - Row Clutch

6 Pin Weatherpack Receptacle

12010975

Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Row 8	-	A8
3	Row 9	-	A9
4	Row 10	-	A10
5	Row 11	-	A11
6	Not Used	-	-

Go To 727XXX

F - Row Clutch

6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To
1	Ground	-	A-C(23,24)
2	Row 12	-	A12
3	Row 13	-	A13
4	Row 14	-	A14
5	Row 15	-	A15
6	Not Used	-	-

Part #

727201

Part

DB90 54 Row 20" Clutch Merger Harness

G - Row Clutch				H - Row Clutch				J - Row Clutch			
6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To

1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Row 16	-	A16	2	Row 20	-	A20	2	Row 24	-	B2
3	Row 17	-	A17	3	Row 21	-	A21	3	Row 25	-	B3
4	Row 18	-	A18	4	Row 22	-	A22	4	Row 26	-	B4
5	Row 19	-	A19	5	Row 23	-	B1	5	Row 27	-	B5
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

K - Row Clutch				L - Row Clutch				M - Row Clutch			
6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To

1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Row 28	-	B6	2	Row 32	-	B10	2	Row 36	-	C4
3	Row 29	-	B7	3	Row 33	-	C1	3	Row 37	-	C5
4	Row 30	-	B8	4	Row 34	-	C2	4	Row 38	-	C6
5	Row 31	-	B9	5	Row 35	-	C3	5	Row 39	-	C7
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

N - Row Clutch				P - Row Clutch				R - Row Clutch			
6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975				6 Pin Weatherpack Receptacle 12010975			
Pin	Function	Color	To	Pin	Function	Color	To	Pin	Function	Color	To

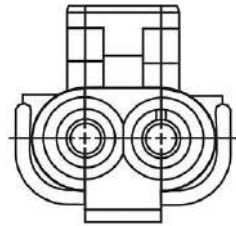
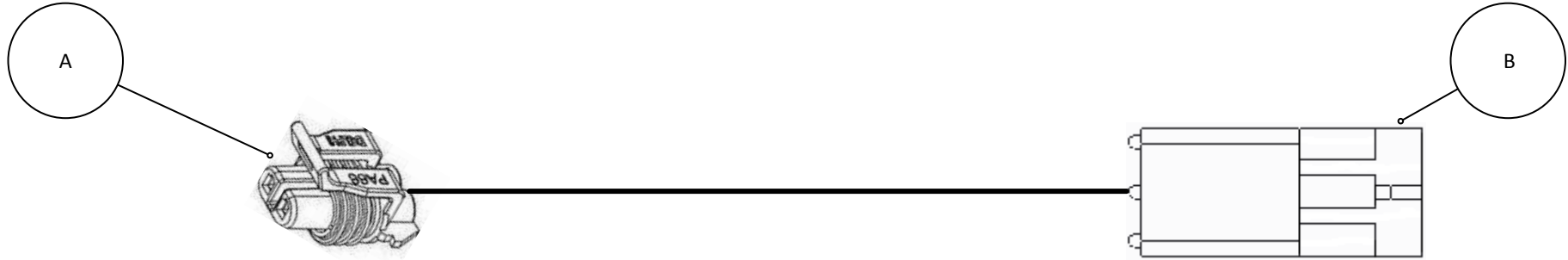
1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)	1	Ground	-	A-C(23,24)
2	Row 40	-	C8	2	Row 44	-	C12	2	Output 48	-	C16
3	Row 41	-	C9	3	Row 45	-	C13	3	Output 49-50	-	C17, C18
4	Row 42	-	C10	4	Row 46	-	C14	4	Output 51-52	-	C19, C20
5	Row 43	-	C11	5	Row 47	-	C15	5	Output 53-54	-	C21, C22
6	Not Used	-	-	6	Not Used	-	-	6	Not Used	-	-

Part #

727204

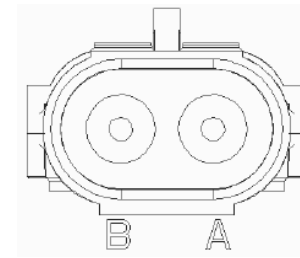
Part

Metripack Valve Adapter Harness



VIEW A

A - Sensor Input			
Metripack 150 2 Pin Plug			
12052641			
Pin	Function	Color	To
A	Power		BA
B	Ground		BB



VIEW B

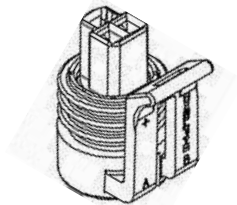
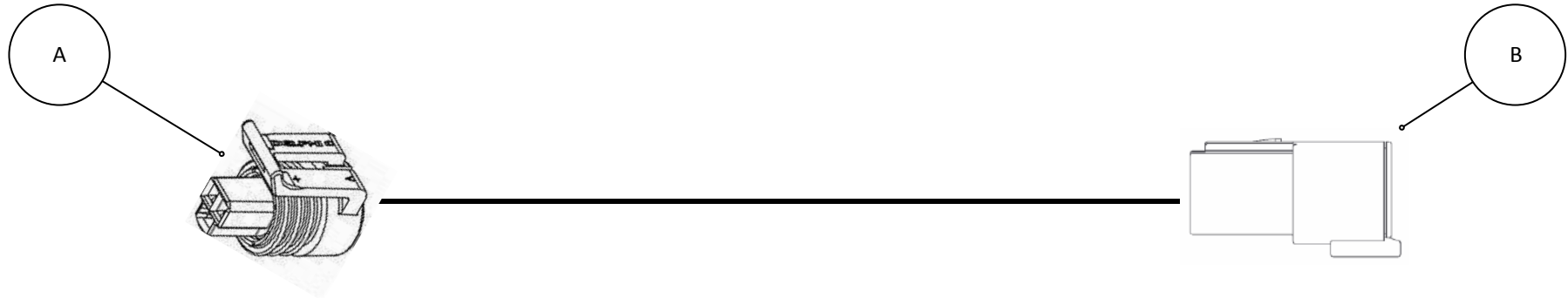
A - Sensor Output			
2 Pin Weatherpack Receptacle			
12010973			
Pin	Function	Color	From
A	Power		AA
B	Ground		AB

Part #

727302

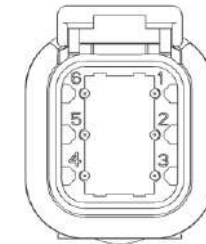
Part

Pressure Sensor Harness



VIEW A

A- Sensor Input			
Packard 3 Pin Metripack			
12065287			
Pin	Function	Color	To
AA	Ground	Black	B6
AB	Sensor Power	Red	B1
AC	Sensor Signal	White	B3



VIEW B

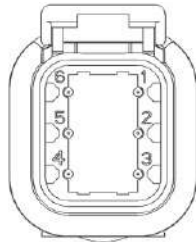
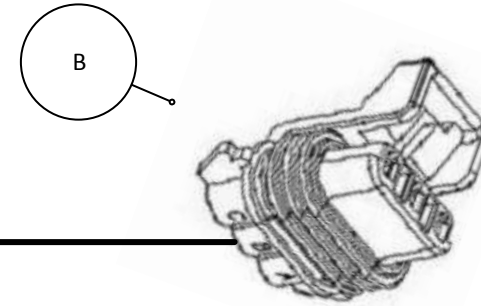
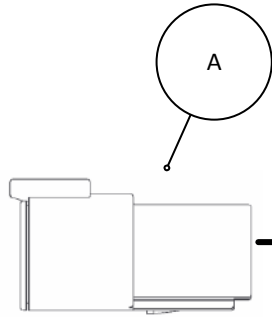
B- Sensor Output			
Deutsch 6 Pin Receptacle			
DTM04-6P			
Pin	Function	Color	From
B1	Sensor Power	Red	AB
B2	Resistor		B6
B3	Sensor Signal	White	AC
B4	Unused		
B5	Unused		
B6	Ground	Black	AA

Part #

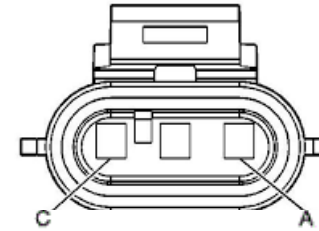
727303

Part

Flow Sensor Harness



VIEW A



VIEW B

B- Sensor Output			
Deutsch 6 Pin Receptacle			
DTM04-6P			
Pin	Function	Color	To
A1	Sensor Power	Red	*M2
A2	Resistor		
A3	Sensor Signal	White	BA
A4	Unused		
A5	Unused		
A6	Ground	Black	BC

B- Sensor Input			
3 Pin Metripack			
12110293			
Pin	Function	Color	From
BA	Sensor Signal	White	A3
BB	Signal Power	Red	*M5
BC	Ground	Black	A6

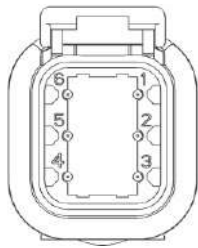
*M is an amplifier circuit board and continuity will not go through the circuit board

Part #

727304

Part

Harness Extension



VIEW A

A- Sensor Input			
Deutsch 6 Pin Receptacle			
DTM04-6P			
Pin	Function	Color	To
A1	Sensor Power	RED	B1
A2	ID		B2
A3	Sensor Signal	White	B3
A4	8VDC		B4
A5	AUX TX/RX		B5
A6	Ground	Black	B6



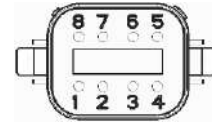
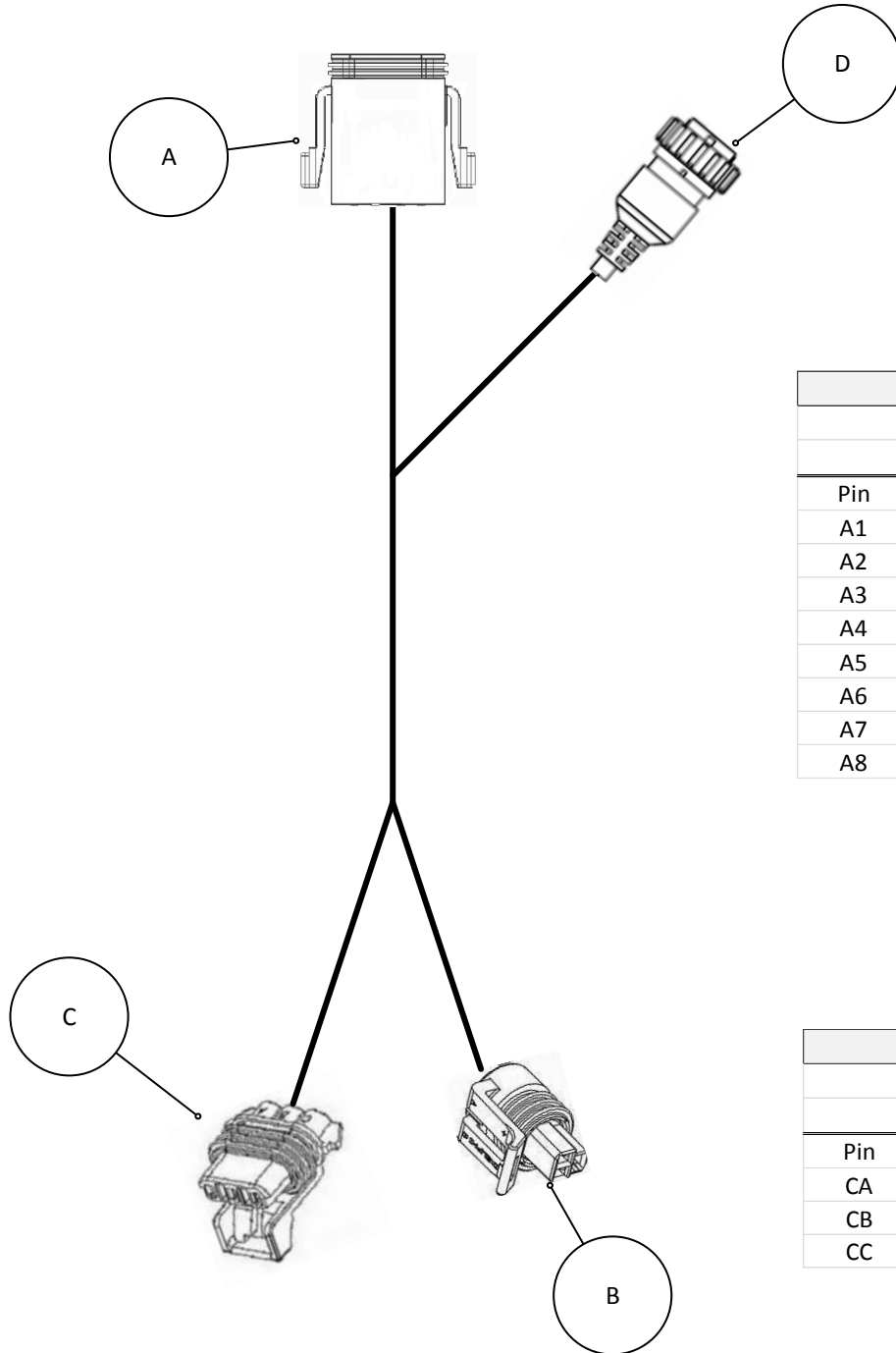
VIEW B

B- Sensor Output			
Deutsch 6 Pin Plug			
DTM06-6S			
Pin	Function	Color	From
B1	Sensor Power	Red	A1
B2	ID		A2
B3	Sensor Signal	White	A3
B4	8VDC		A4
B5	AUX TX/RX		A5
B6	Ground	Black	A6

Part #

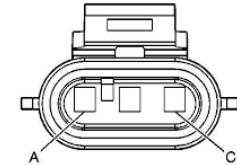
727307

Part Sidedress Flow and Pressure Sensor Harness



VIEW A

A- To RowFlow Base Harness			
Deutsch 8 Pin Plug			
DT06-8S			
Pin	Function	Color	To
A1	Power		BB
A2	Unused		
A3	Flow Sensor Signal		BA
A4	Ground		BC, CA
A5	Pressure Sensor Signal		CC
A6	Unused		
A7	Unused		
A8	Unused		



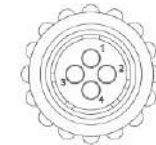
VIEW B

B- Flow Sensor Input			
3 Pin Metripack			
12110293			
Pin	Function	Color	From
BA	Flow Sensor Signal		A3
BB	Power		A1
BC	Ground		A4, CA



VIEW C

C- Pressure Sensor Input			
3 Pin Metripack			
12065287			
Pin	Function	Color	To
CA	Ground		A4, BC
CB	Power		D4
CC	Signal		A5



VIEW D

A- Aux Power Input			
AMP 4 Pin Plug			
206060-1			
Pin	Function	Color	To
D4	Pressure Sensor Power		CB

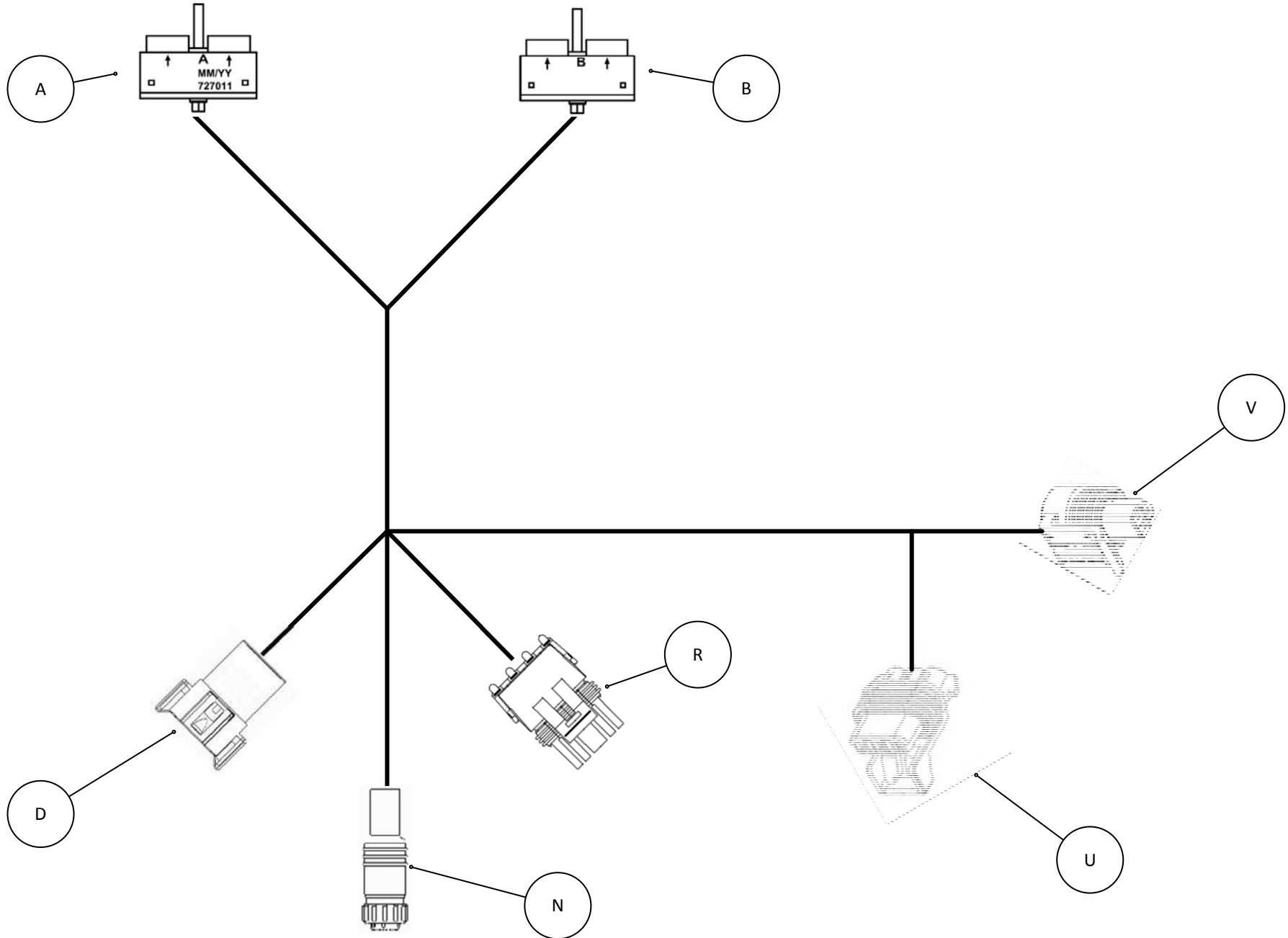
Go To 727XXX

Part #

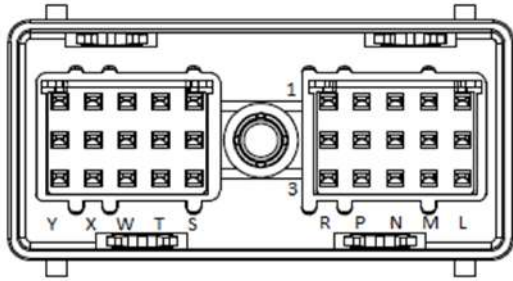
727310

Part

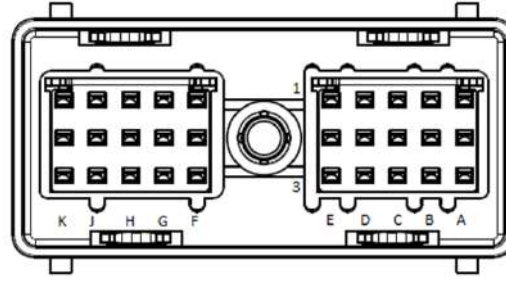
Sidedress Base Harness



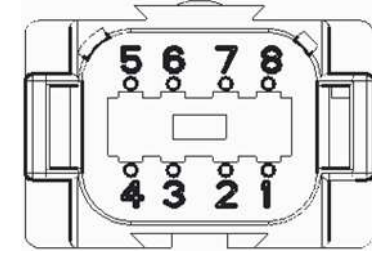
Go To 727XXX



VIEW A



VIEW B

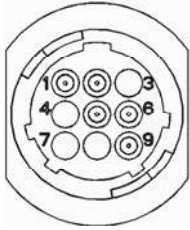


VIEW D

A - Cinch Connection RFM			
Cinch Plug			
581-01-030-028			
Pin	Function	Color	To
(A) L1	Power +5V	NA	VB, LED
(A) L2	LED	NA	LED-
(A) L3	Power +12V	NA	(B)A1, (B)K1, (N)9
(A) M1	Not Used	NA	
(A) M2	Not Used	NA	
(A) M3	Sensor Ground	NA	(D)4, (R)B, (U)C, (V)A
(A) N1-(A)P1	Not Used	NA	
(A) P2	CAN A HI	NA	(N)6
(A) P3	CAN A LO	NA	(N)2
(A) R1	Not Used	NA	
(A) R2	Not Used	NA	
(A) R3	CAN Shield	NA	(N)5
(A) S1	Height Signal	NA	(R)A
(A) S2-(A)T1	Not Used	NA	
(A) T2	Battery (Ground)	NA	(A)X3, (A)Y3, (D)7, (N)1,
(A) T3	Not Used	NA	
(A) W1	Speed Signal 2	NA	(D)3
(A) W2	Speed Signal 1	NA	(U)A
(A) W3	Not Used	NA	
(A) X1	Not Used	NA	
(A) X2	Pressure Signal 1	NA	(V)C
(A) X3	Harness ID	NA	(A)T2, (A)Y3, (D)7, (N)1
(A) Y1	Pressure Signal 2	NA	(D)5
(A) Y2	Temperature Signal	NA	(D)6
(A) Y3	Ground	NA	(A)T2, (A)X3, (D)7, (N)1

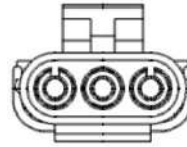
B - Cinch Connection RFM			
Cinch Plug			
581-01-030-029			
Pin	Function	Color	To
(B) A1	Battery +12V	NA	(B)K1, (A)L3, (N)9
(B) A2-(B)F2	Not Used	NA	
(B) F3	Sensor Power +10V	NA	(D)1,(R)C, (U)B
(B)G1-(B)G3	Not Used	NA	
(B) H1	VRD	NA	(D)2
(B) H2-(B)J3	Not Used	NA	
(B) K1	Battery +12V	NA	(B)A1, (A)L3, (N)9
(B) K2	Not Used	NA	
(B) K3	Not Used	NA	

D - Motor Drive			
8 Pin Deutsch Receptacle			
DT04-8P			
Pin	Function	Color	To
1	10VDC Sensor Power	NA	(B)F3, (R)C, (U)B
2	Valve Power	NA	(B)H1
3	Speed Sensor Signal	NA	(A)W1
4	Sensor Ground	NA	(A)M3, (R)B, (U)C, (V)A
5	Pressure Sensor Signal	NA	(A)Y1
6	Temperature Signal	NA	(A)Y2
7	Valve Ground	NA	(A)T2, (A)X3, (A)Y3, (N)1
8	Not Used	NA	



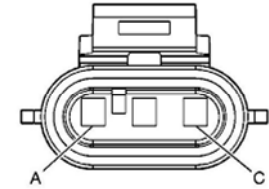
VIEW N

N- CAN IN from Display			
AMP 9 Pin Plug			
778157-2			
Pin	Function	Color	To
1	Ground	NA	(A)T2, (A)X3, (A)Y3, (D)7
2	CAN A LO	NA	(A)P3
3	Not Used	NA	
4	Not Used	NA	
5	CAN Shield	NA	(A)R3
6	CAN A HI	NA	(A)P2
7	Not Used	NA	
8	Not Used	NA	
9	Power +12V	NA	(B)A1, (B)K1, (A)L3



VIEW R

R - Lift Switch			
WeatherPack 3 Pin Plug			
12015793			
Pin	Function	Color	To
A	Signal	NA	(A)S1
B	Ground	NA	(A)M3, (D)4, (U)C, (V)A
C	Sensor Power +10V	NA	(B)F3, (D)1, (U)B



VIEW U

U - Flow Sensor			
MetriPack 150 3 Pin			
12110293			
Pin	Function	Color	To
A	Flow Signal	NA	(A)W2
B	5VDC Sensor Power	NA	(B)F3, (D)1,(R)C
C	Ground	NA	(A)M3, (D)4, (R)B, (V)A



VIEW V

V - Pressure Sensor			
Packard MetriPack 3 Pin Plug			
12065287			
Pin	Function	Color	To
A	Ground	NA	(A)M3, (D)4, (R)B, (U)C
B	5VDC Sensor Power	NA	(A)L1, LED
C	Sensor Signal	NA	(A) X2

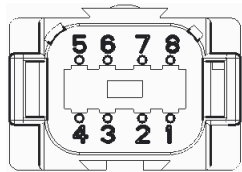
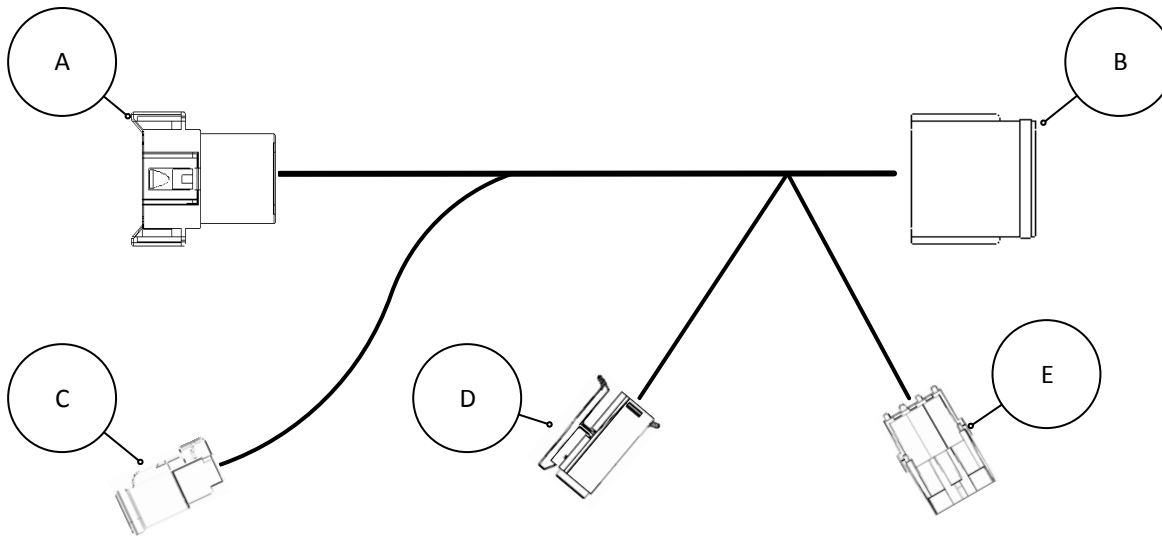
729XXX

Contents

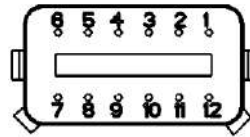
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Part #
Part

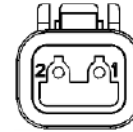
729021 SRM Row Harness



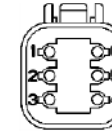
VIEW A



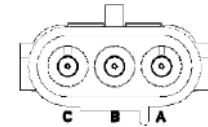
VIEW B



VIEW C



VIEW D



VIEW E

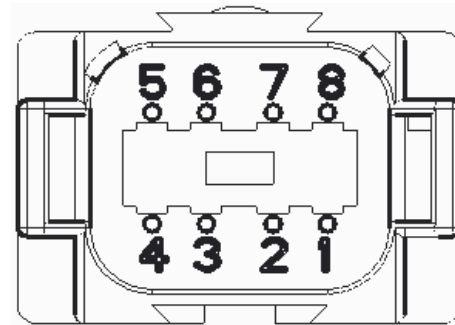
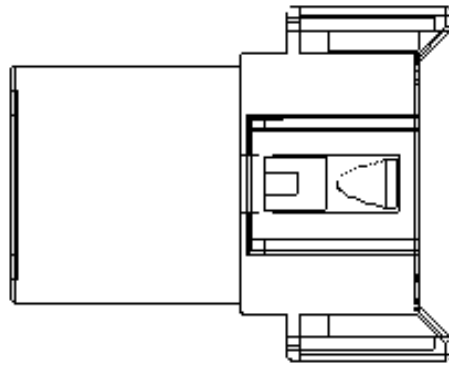
A - SRM Backbone Connector			
Deutsch 8 Pin Receptacle			
Pin	Function	Color	To
1	Power (12V)	Red	B1,D3
2	Wake Up In		B10
3	Wake Up	Orange	B3
4	Tractor CAN HI	Yellow	B7
5	Tractor CAN LO	Green	B8
6	CAN Shield	Gray	B5,D6
7	-	-	-
8	Ground	Black	B12,C2,D4

B - SRM Connector			
Deutsch 12 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	A1,D3
2	DF Valve	White	C1
3	Wake Up	Orange	A3
4	Row CAN	Green	D2
5	CAN Shield	Gray	A6,D6
6	Row CAN HI	Yellow	D1
7	Tractor CAN HI	Yellow	A4
8	Tractor CAN LO	Green	A5
9	Seed Input	White	E1
10	Wake Up In	Orange	A2
11	Sensor Power (10V)	Red	E3
12	Ground	Black	A8,C2,D4,

C - DeltaForce Cylinder Connector			
Deutsch 2 Pin Plug			
Pin	Function	Color	To
1	DF Valve	White	B2
2	Ground	Black	A8,B12,C2, D4

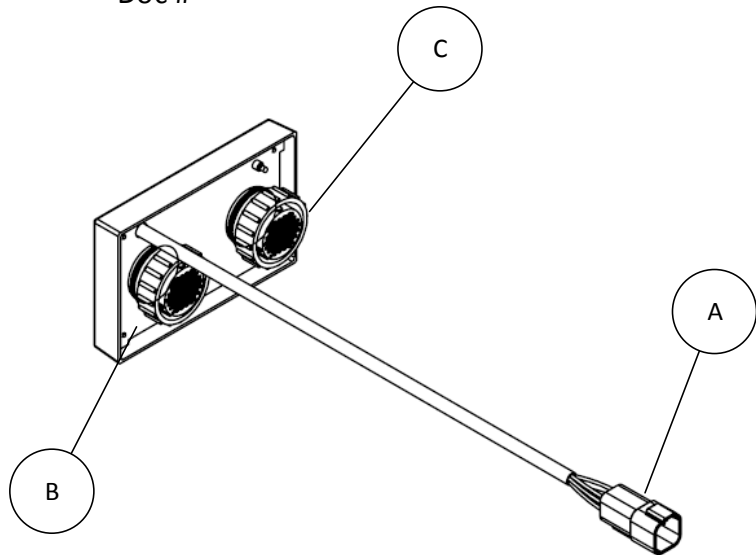
D - vDrive Motor Connector			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B6
2	Row CAN	Green	B4
3	Power (12V)	Red	A1,B1
4	Ground	Black	A8,B12,C2,
5	-	-	-
6	CAN Shield	Gray	A6,B5

E - Seed Sensor Connector			
Weatherpack 3 Pin Receptacle			
Pin	Function	Color	To
1	Seed Input	White	B9
2	Ground	Black	A8,B12,C2, D4
3	Sensor Power (10V)	Red	B11



A - Backbone Row Plug			
Deutsch 8 Pin Receptacle			
Pin	Function	Color	To
1	-	-	-
2	-	-	-
3	Wake Up In	-	A3
4	Wake Up Out	-	A2
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-

Doc #

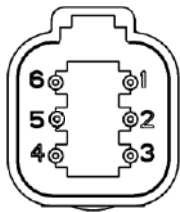
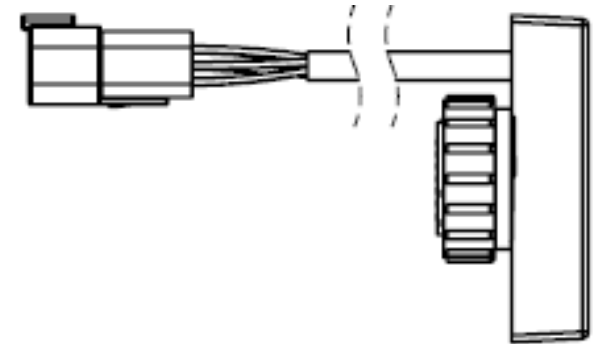


Part #

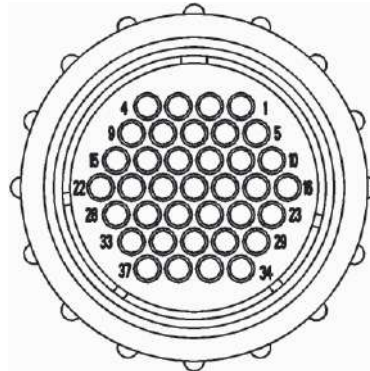
729072

Part

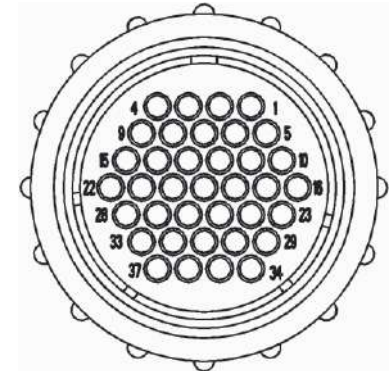
SRM Seed Repeater Module



VIEW A



VIEW B

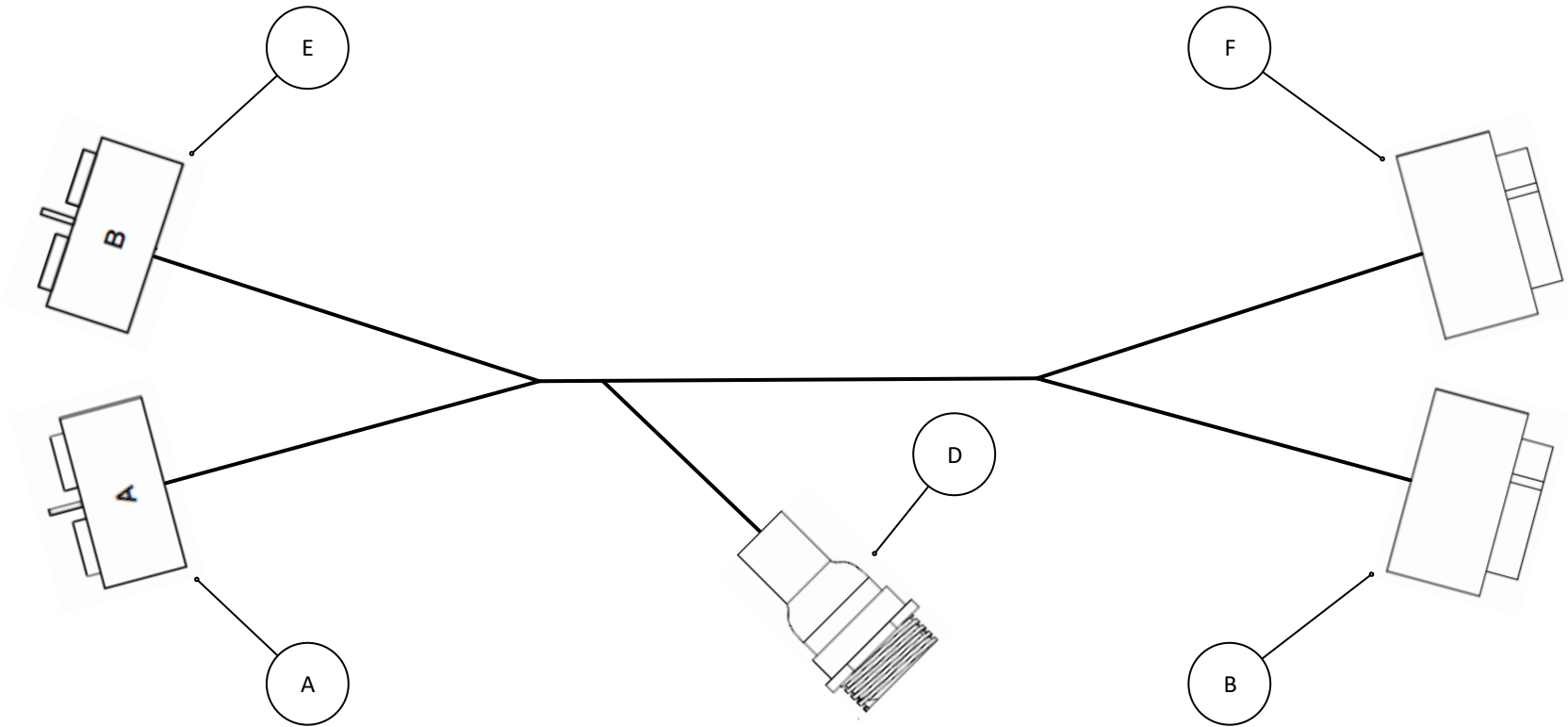


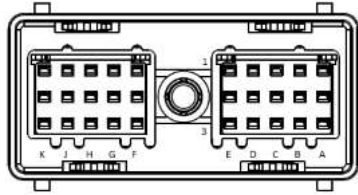
VIEW C

A - Can Repeater Connector			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	Row CAN HI	Yellow	-
2	Row CAN LO	Green	-
3	Power (12V)	Red	B27,B29,C27,C29
4	Ground	Black	B28,B30,C28,C30
5	-	-	-
6	CAN Shield	-	-

B - Planter Harness Connector			
Amp 37 Pin Plug			
Pin	Function	Pin	Function
1-26	Rows 1-26	30	Ground
27	Power (12V)	31-36	Rows 27-32
28	Ground	37	-
29	Power (12V)		

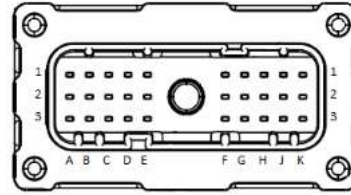
C - Planter Harness Connector			
Amp 37 Pin Plug			
Pin	Function	Pin	Function
1-22	Rows 33-54	29	Power (12V)
23-26	-	30	Ground
27	Power (12V)	31-37	-
28	Ground		





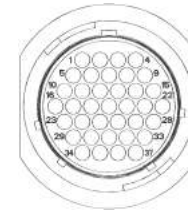
View A

A - Wedgebox - A			
Cinch 5810130030			
Pin	Function	Color	To
A1	Mod Decode		A(K1),D1
A2	Sensor Pwr 8V		D27,B(A2)
A3	Sensor Ground		D28,B(A3)
B1	CAN Pwr 12V		B(B1)
B2	ECU Pwr 12V		B(B2)
B3	ECU Ground		B(B3)
C1			B(C1)
C2	CAN Low		B(C2)
C3	CAN High		B(C3)
D1	VAC 1 Sig.		B(D1)
D2	VAC 2 Sig.		B(D2)
D3	Fert. Press Sig.		B(D3)
E1	Row 16 Out		D16
E2	RPM 2 Sig		B(E2)
E3	Hopper level Sensor		B(E3)
F1	Row 13 Out		D13
F2	Row 14 Out		D14
F3	Row 15 Out		D15
G1	Row 10 Out		D10
G2	Row 11 Out		D11
G3	Row 12 Out		D12
H1	Row 7 Out		D7
H2	Row 8 Out		D8
H3	Row 9 Out		D9
J1	Row 4 Out		D4
J2	Row 5 Out		D5
J3	Row 6 Out		D6
K1	Row 1 Out		A(A1),D1
K2	Row 2 Out		D2
K3	Row 3 Out		D3



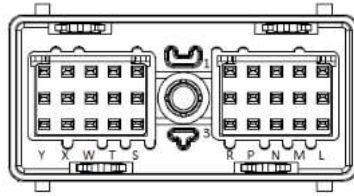
View B

B - Seed Sensors			
Cinch 5810160012			
Pin	Function	Color	To
A1			
A2	Sensor Pwr 8V		A(A2),D27
A3	Sensor Ground		A(A3),D28
B1	CAN Pwr 12V		A(B1)
B2	ECU Pwr 12V		A(B2)
B3	ECU Ground		A(B3)
C1			A(C1)
C2	CAN Low		A(C2)
C3	CAN High		A(C3)
D1	VAC 1 Sig.		A(D1)
D2	VAC 2 Sig.		A(D2)
D3	Fert. Press Sig.		A(D3)
E1			
E2	RPM 2 Sig		A(E2)
E3	Hopper level Sensor		A(E3)
F1			
F2			
F3			
G1			
G2			
G3			
H1			
H2			
H3			
J1			
J2			
J3			
K1			
K2			
K3			



View D

D - Repeater Module			
AMP 206151-2			
Pin	Function	Color	To
1	Row 1 Out		A(K1),A(A1)
2	Row 2 Out		A(K2)
3	Row 3 Out		A(K3)
4	Row 4 Out		A(K1)
5	Row 5 Out		A(J2)
6	Row 6 Out		A(J1)
7	Row 7 Out		A(H1)
8	Row 8 Out		A(H2)
9	Row 9 Out		A(H3)
10	Row 10 Out		A(G1)
11	Row 11 Out		A(G2)
12	Row 12 Out		A(G3)
13	Row 13 Out		A(F1)
14	Row 14 Out		F2
15	Row 15 Out		F3
16	Row 16 Out		E1
17	Row 17 Out		E(S2)
18	Row 18 Out		E(R2)
19	Row 19 Out		E(S3)
20	Row 20 Out		E(P3)
21	Row 21 Out		E(R1)
22	Row 22 Out		E(R3)
23	Row 23 Out		E(P1)
24	Row 24 Out		E(P2)
25			
26			
27	Sensor Power 8V		A(A2),B(A2)
28	Sensor Ground		A(A3),B(A3)



View E

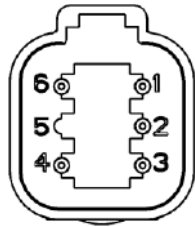
E - Wedgebox			
Cinch 5810130031			
Pin	Function	Color	To
L1	Height Signal		F(L1)
L2	Not Used		F(L2)
L3	Not Used		F(L3)
M1	Motion Sig		F(M1)
M2	RT DSCNT		F(M2)
M3	Height Power		F(M3)
N1			F(N1)
N2			F(N2)
N3	Height Ground		F(N3)
P1	Row 23 Out		D23
P2	Row 24 Out		D24
P3	Row 20 Out		D20
R1	Row 21 Out		D21
R2	Row 18 Out		D18
R3	Row 22 Out		D22
S1	Drive 1 Power		F(S1)
S2	Row 17 Out		D17
S3	Row 19 Out		D19
T1	Drive 2 Power		F(T1)
T2			F(T2)
T3			F(T3)
W1			F(W1)
W2	Ground		F(W2)
W3	Not Used		F(W3)
X1			F(X1)
X2	Ground		F(X2)
X3	Not Used		F(X3)
Y1	Power 12V		F(Y1)
Y2	Power 12V		F(Y2)
Y3	Not Used		F(Y3)

F - Seed Sensors			
Cinch 5810160012			
Pin	Function	Color	To
L1	Height Signal		E(L1)
L2	Not Used		E(L2)
L3	Not Used		E(L3)
M1	Motion Sig		E(M1)
M2	RT DSCNT		E(M2)
M3	Height Power		E(M3)
N1			E(N1)
N2			E(N2)
N3	Height Ground		E(N3)
P1			
P2			
P3			
R1			
R2			
R3			
S1	Drive 1 Power		E(S1)
S2			
S3			
T1	Drive 2 Power		E(T1)
T2			E(T2)
T3			E(T3)
W1			E(W1)
W2	Ground		E(W2)
W3	Not Used		E(W3)
X1			E(X1)
X2	Ground		E(X2)
X3	Not Used		E(X3)
Y1	Power 12V		E(Y1)
Y2	Power 12V		E(Y2)
Y3	Not Used		E(Y3)

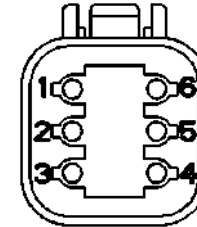
Go To 729XXX

SRM SEED Repeater Extension	
Part Number	Length (Ft.)
729076	10
729077	20

Part # **729076 & 729077**
 Part **SRM Seed Repeater Ext**



VIEW A



VIEW B

A - PDM CAN Repeater Connector			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B1
2	Row CAN LO	Green	B2
3	Power (12V)	Red	B3
4	Ground	Black	B4
5	-	-	-
6	CAN Shield	-	B6

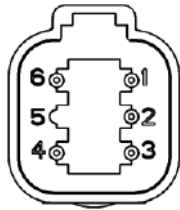
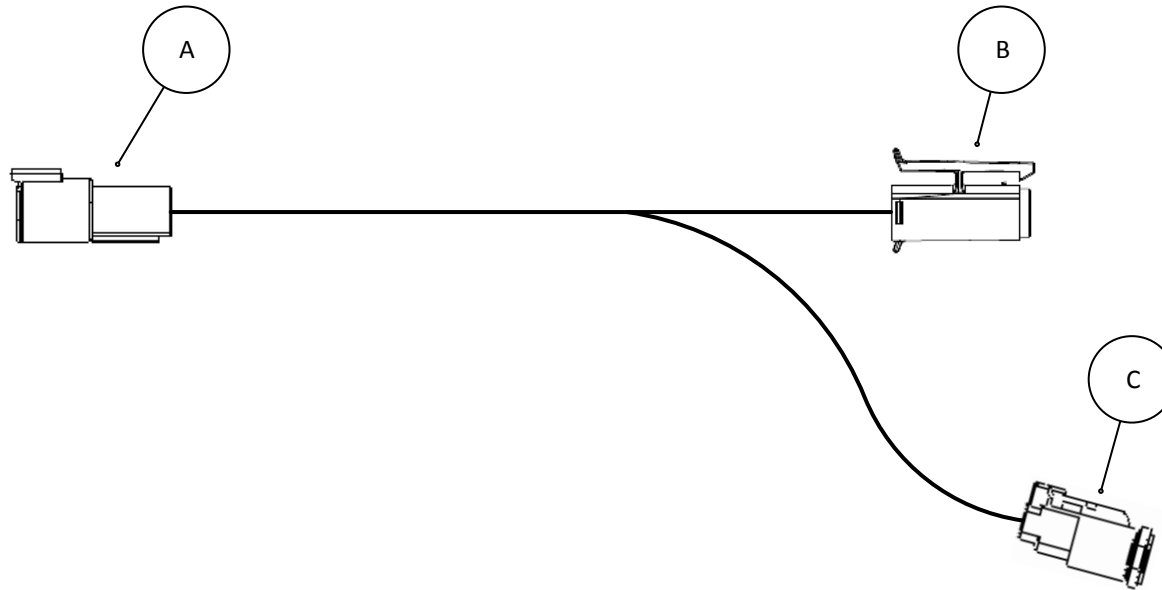
B - SRM Seed Repeater Module Connector			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1
2	Row CAN LO	Green	A2
3	Power (12V)	Red	A3
4	Ground	Black	A4
5	-	-	-
6	CAN Shield	-	A6

Part #

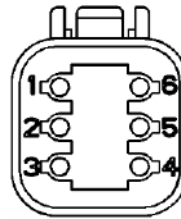
729097

Part

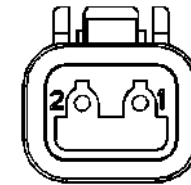
**vDrive Swath Output
Harness**



VIEW A



VIEW B



VIEW C

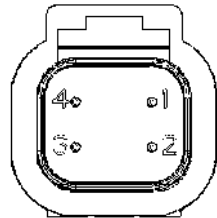
A - Row CAN Connector			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	Row CAN HI	-	B1
2	ROW CAN LO	-	B2
3	Power (12V)	Red	B3
4	Ground	Black	B4,C2
5	-	-	-
6	CAN Shield	-	B6

B - vDrive Motor Connector			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	-	A1
2	Row CAN LO	-	A2
3	Power (12V)	Red	A3
4	Ground	Black	A4,C2
5	Swath Out	-	C1
6	CAN Shield	-	A6

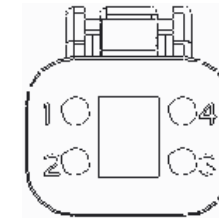
C - Swath Output Connector			
Deutsch 2 Pin Plug			
Pin	Function	Color	To
1	Swath Out	-	B5
2	Ground	Black	A4,B4

Part # 729140-729146
 Part SRM CAN Ext Harness

SRM CAN Extension Harness	
Part Number	Length (Ft.)
729140	5
729141	10
729142	15
729143	20
729144	30
729145	45
729146	60



VIEW A



VIEW B

A - CAN In Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	CAN HI	Yellow	B1
2	CAN LO	Green	B2
3	CAN Shield	-	B3
4	Wake Up	Blue	B4

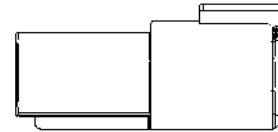
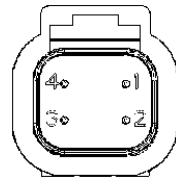
B - CAN Out Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	CAN HI	Yellow	A1
2	CAN LO	Green	A2
3	CAN Shield	-	A3
4	Wake Up	Blue	A4

Part #

729147

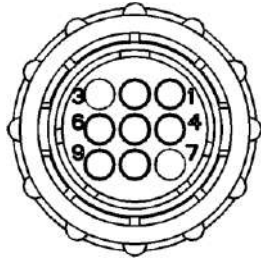
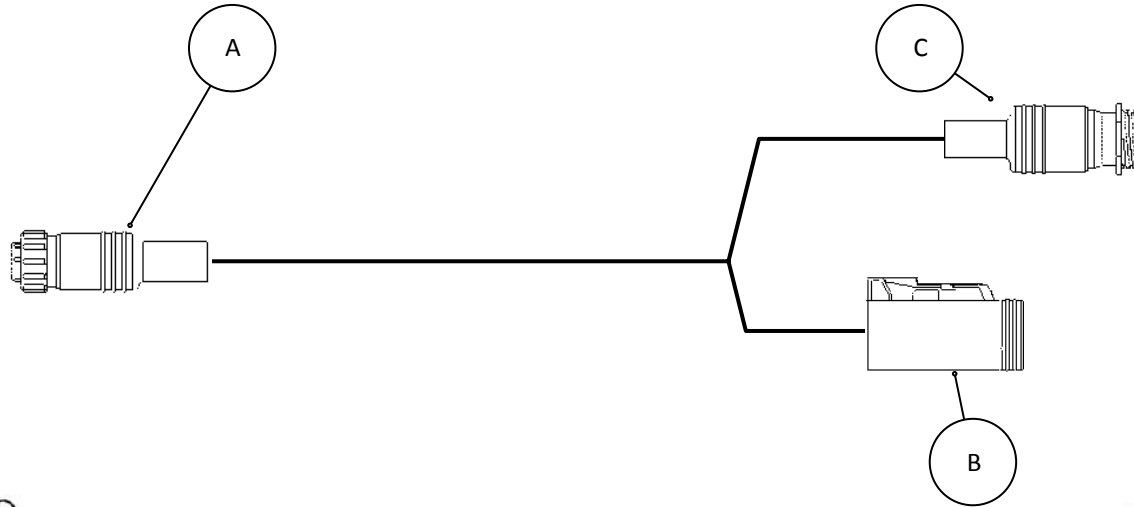
Part

CAN Terminator

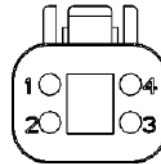


A - CAN Terminator			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	Row CAN HI	-	A2
2	Row CAN LO	-	A1
3	-	-	-
4	-	-	-

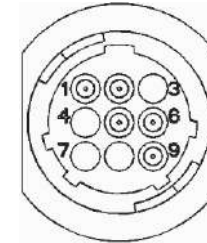
Part # **729149**
 Part **SRM CAN Tractor Harness**



VIEW A



VIEW B



VIEW C

A - 20/20 CAN Connector			
AMP 9 Pin Plug			
Pin	Function	Color	To
1	Ground	Black	C1
2	RF Can LO	Green	C2
3	-	-	-
4	SRM CAN LO	Green	B2
5	CAN Shield	Grey	B3,C5
6	RF CAN HI	Yellow	C6
7	-	-	-
8	SRM CAN HI	Yellow	B1
9	Power (12V)	Red	B4, C9

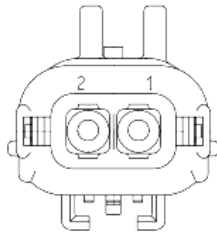
B - SRM CAN Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	SRM CAN HI	Yellow	A8
2	SRM CAN LO	Green	A4
3	CAN Shield	-	A5,C5
4	Key Switch	Red	A9,C9

C - Rowflow CAN Connector			
AMP 9 Pin Receptacle			
Pin	Function	Color	To
1	Ground	Black	A1
2	RF CAN Low	Green	A2
3	-	-	-
4	-	-	-
5	CAN Shield	-	A5,B3
6	RF CAN HI	Yellow	A6
7	-	-	-
8	-	-	-
9	Power (12V)	Red	A9,B4

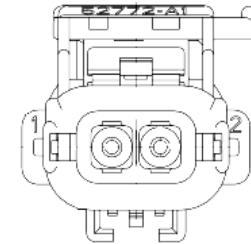
Go To 729XXX

Apex Power Extension Harness	
Part Number	Length (Ft.)
729150	5
729151	15
729152	25
729153	35
729154	50
729155	60

Part # **729150-729155**
 Part **APEX Power Ext Harness**



VIEW A



VIEW B

A - 12V Input Power Connector			
Apex 2 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	B1
2	Ground	Black	B2

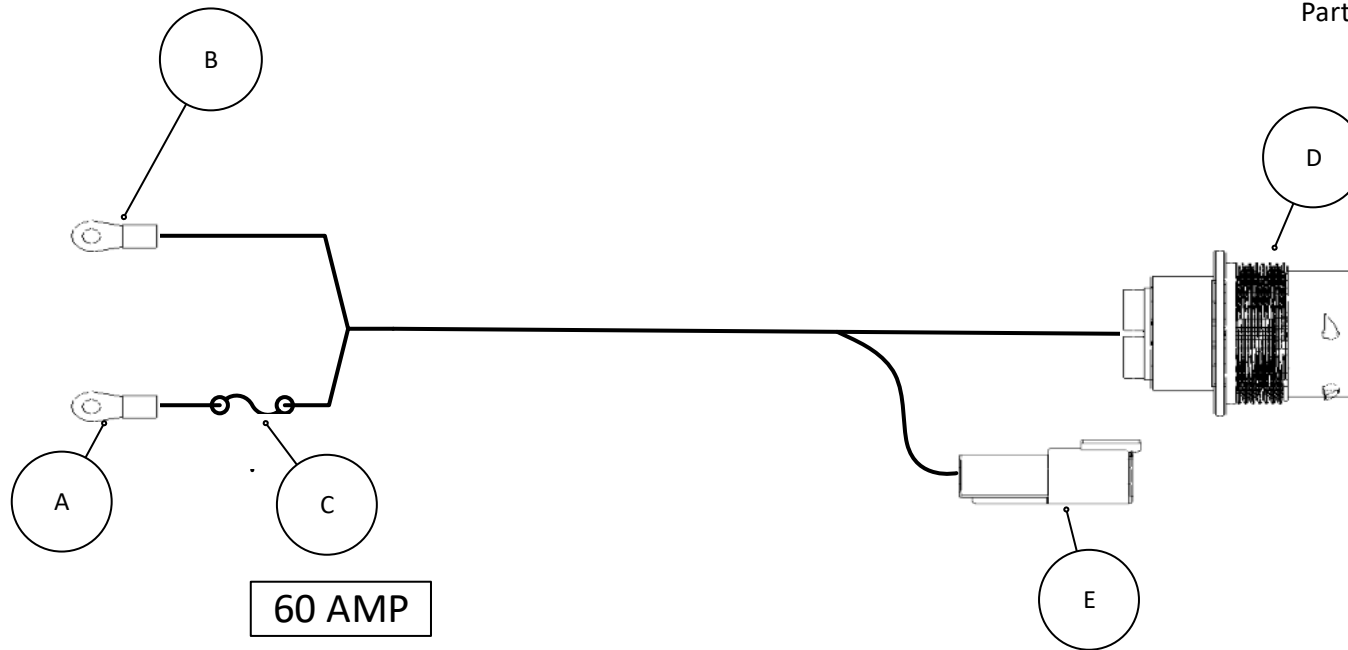
B - 12V Output Power Connector			
Apex 2 Pin Receptacle			
Pin	Function	Color	To
1	Power (12V)	Red	A1
2	Ground	Black	A2

Part #

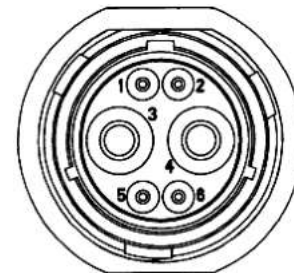
729157

Part

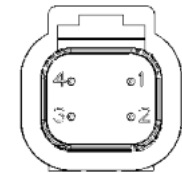
Tractor Power Harness



60 AMP



VIEW D



VIEW E

A - Ring Terminal			
Positive Battery Terminal			
Pin	Function	Color	To
A	Power (12V)	Red	C

B - Ring Terminal			
Negative Battery Terminal			
Pin	Function	Color	To
B	Ground	Black	D4

C - Waytek #46024 (60 Amp Fuse)			
Pin	Function	Color	To
C	Power (12V)	Red	D3

D - Tractor Power/CAN Connection			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	CAN HI	Yellow	E1
2	CAN LO	Green	E2
3	Power (12V)	Red	C
4	Ground	Black	B
5	CAN Shield	-	E3
6	Key Switch	Orange	D6

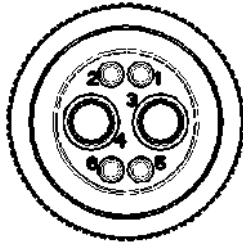
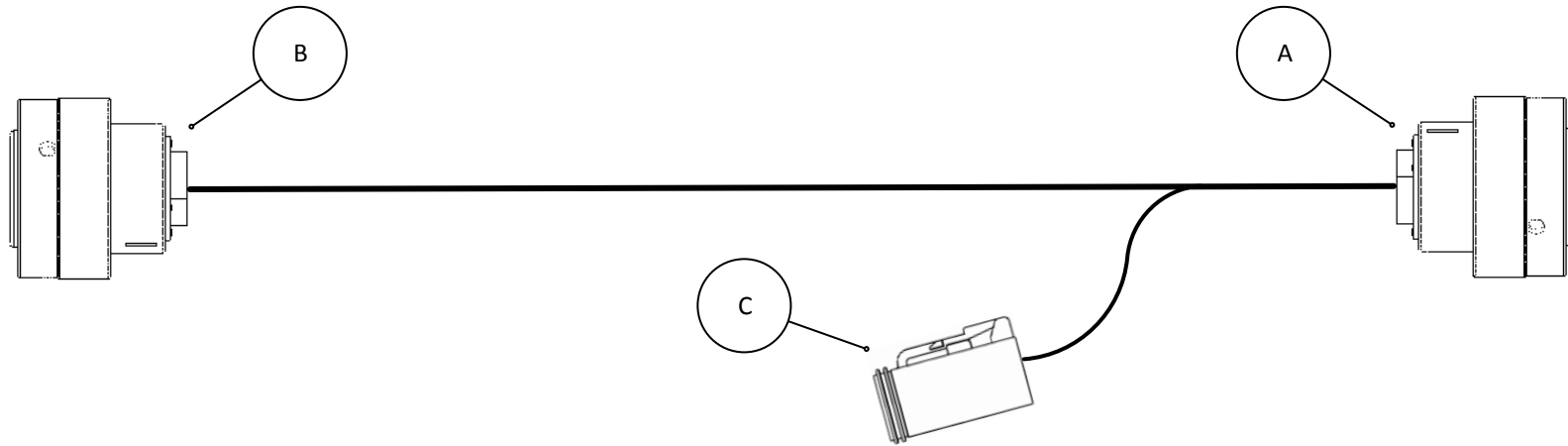
E - CAN Connection			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	CAN HI	Yellow	D1
2	CAN LO	Green	D2
3	CAN Shield	-	D5
4	Key Switch	Orange	D6

Go To 729XXX

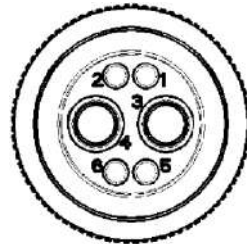
Tractor Power Extension Harness

Part Number	Length (FT)
729170	5
729171	15
729172	25
729173	35
729174	45

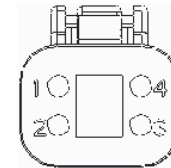
Part # **729170-129174**
 Part **Tractor Power Extension
 Harness**



VIEW A



VIEW B



VIEW C

A - Tractor Power Harness Connector			
Deutsch 6 Pin Round Plug			
Pin	Function	Color	To
1	CAN HI	Yellow	C1
2	CAN LO	Green	C2
3	Power (12V)	Red	B3
4	Ground	Black	B4
5	CAN Shield	-	C3
6	Key Switch	Orange	C4

B - PDM Connector			
Deutsch 6 Pin Round Plug			
Pin	Function	Color	To
1	-	-	-
2	-	-	-
3	Power (12V)	Red	B3
4	Ground	Black	B4
5	-	-	-
6	-	-	-

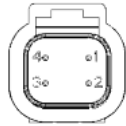
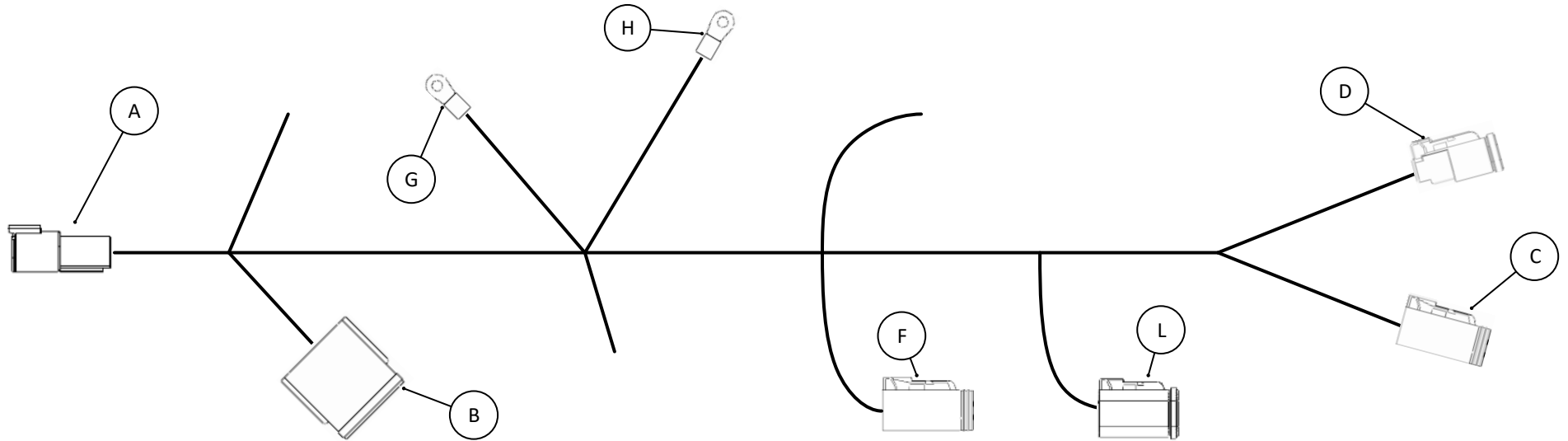
C - CAN Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	CAN HI	Yellow	A1
2	CAN LO	Green	A2
3	CAN Shield	-	A5
4	Wake Up	Orange	A6

Part #

729182

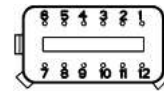
Part

PDM CAN Harness



VIEW A

A - Tractor Power Ext. CAN Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	SRM CAN HI	Yellow	B7,F1
2	SRM CAN LO	Green	F2
3	CAN Shield	Gray	F3
4	Key Switch	Orange	B1,G,L3



VIEW B

B - SRM Connector			
Deutsch 12 Pin Plug			
Pin	Function	Color	To
1	Key Switch	Orange	A1,G,L3
2	DF Valve	Red	D1
3	Wake Up Out	Yellow	F4
4	Row CAN LO	Green	L2
5	CAN Shield	--	A3,F3,L6
6	Row CAN HI	Yellow	L1
7	SRM CAN HI	Yellow	A1,F1
8	SRM CAN LO	Green	A2,F2
9	-	-	-
10	Wake Up In	Black	D2,H,B12, L4
11	Sensor Power (+10)	Red	C2
12	Ground	Black	B10,D2,H, L4



VIEW C

C - Pressure Sensor			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	Analog Ground	Black	EB,J6,K2,K 4
2	Sensor Power (+10)	Red	B11
3	-	-	-
4	Pressure Signal	Clear	J3

Part #

729182

Part

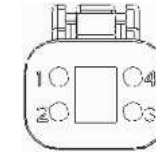
PDM CAN Harness



VIEW D

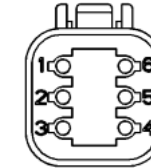
D - Lift Valve			
Deutsch 2 Pin Plug			
Pin	Function	Color	To
1	DF Valve	Red	B2
2	Ground	Black	B10,B12, H,L4

E - Height Sensor			
Weather Pack 3 Pin			
Pin	Function	Color	To
A	Height Signal	Clear	J5
B	Analog Ground	Black	C1,EB,J6, K2,K4
C	Aux. Power (+5)	Red	J1,K1



VIEW F

F - Can Out			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	SRM CAN HI	Yellow	A1,B7
2	SRM CAN LO	Green	A2
3	CAN Shield	--	A3,B5,L6
4	Wake Up Out	Yellow	B3



VIEW L

J - Auxilliary Connection			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	Aux Power (+5)	Red	K1,EC
2	Aux 1 ID	--	
3	Aux Input 1-Pres	Clear	C4
4	Aux Input 3-Gyro	Clear	K3
5	Aux Input 2-Height	Clear	EA
6	Analog Ground	Black	C1,EB,K2, K4

K - Gyro Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	Aux Power (+5)	Red	J1,EC
2	Analog Ground	Black	C1,EB,J6, K4
3	Gyro Signal	Clear	J4
4	Gyro Shield	--	C1,EB,J6, K2

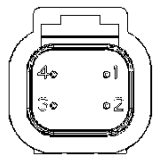
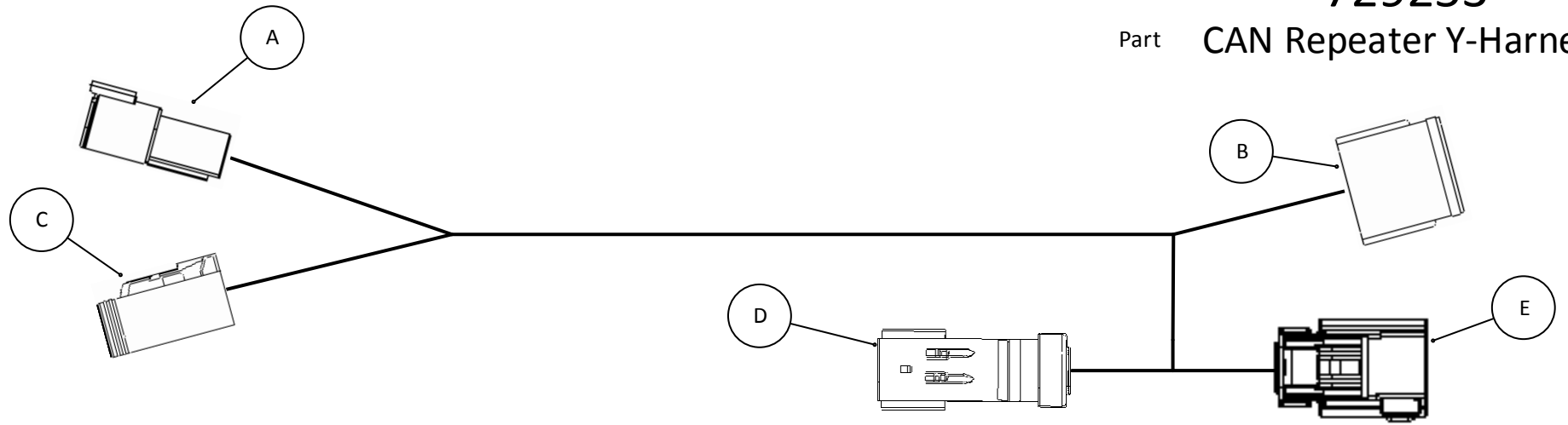
L - Seed Repeater			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B6
2	Row CAN LO	Green	B4
3	Key Switch	Orange	A4,B1,G
4	Ground	Black	B10,B12, D2,H
5	-	-	-
6	CAN Shield	--	A3,B5,F3

Part #

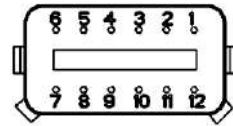
729253

Part

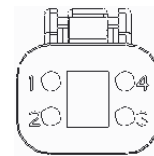
CAN Repeater Y-Harness



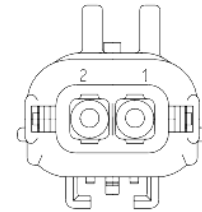
VIEW A



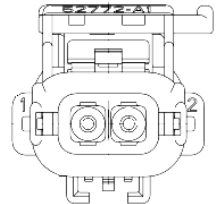
VIEW B



VIEW C



VIEW D



VIEW E

A - CAN In Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	SRM CAN HI (In)	Yellow	B7
2	SRM CAN LO (In)	Green	B8
3	CAN Shield (In)	-	B5
4	Wake Up	Blue	C4

B - SRM Connector			
Deutsch 12 Pin Plug			
Pin	Function	Color	To
1	Power (12v)	Red	E1,D1
2	-	-	-
3	-	-	-
4	SRM CAN LO (Out)	Green	C2
5	CAN Shield	Gray	C3
6	SRM CAN HI (Out)	Yellow	C1
7	SRM CAN HI (In)	Yellow	A1
8	SRM CAN LO (In)	Green	A2
9	-	-	-
10	-	-	-
11	-	-	-
12	Ground	Black	D2,E2

C - CAN Out Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	SRM CAN HI (Out)	Yellow	B6
2	SRM CAN LO (Out)	Green	B4
3	CAN Shield (Out)	Gray	B5
4	Wake Up	Blue	A4

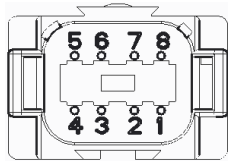
D - 12V Input Power Connector			
Apex 2 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	B1,E1
2	Ground	Black	B12,E2

E - 12V Output Power Connector			
Apex 2 Pin Receptacle			
Pin	Function	Color	To
1	Power (12V)	Red	B1,D1
2	Ground	Black	B12,D2

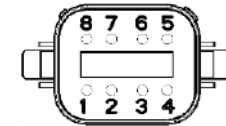
Go To 729XXX

SRM Backbone Row Extension	
Part Number	Length(Ft.)
729255	2' SRM Row Ext.
729040	5' SRM Row Ext.
729041	12' SRM Row Ext.

Part # 729255, 729040 & 729041
 Part SRM Backbone Row Extension



VIEW A



VIEW B

A - SRM Backbone Connector			
Deutsch 8 Pin Receptacle			
Pin	Function	Color	To
1	Power (12V)	Red	B1
2	Wake Up In	Yellow	B2
3	Wake Up Out	Orange	B3
4	Tractor CAN HI	Yellow	B4
5	Tractor CAN LO	Green	B5
6	CAN Shield	Gray	B6
7	-	-	-
8	Ground	Black	B8

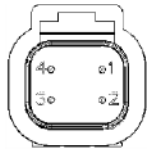
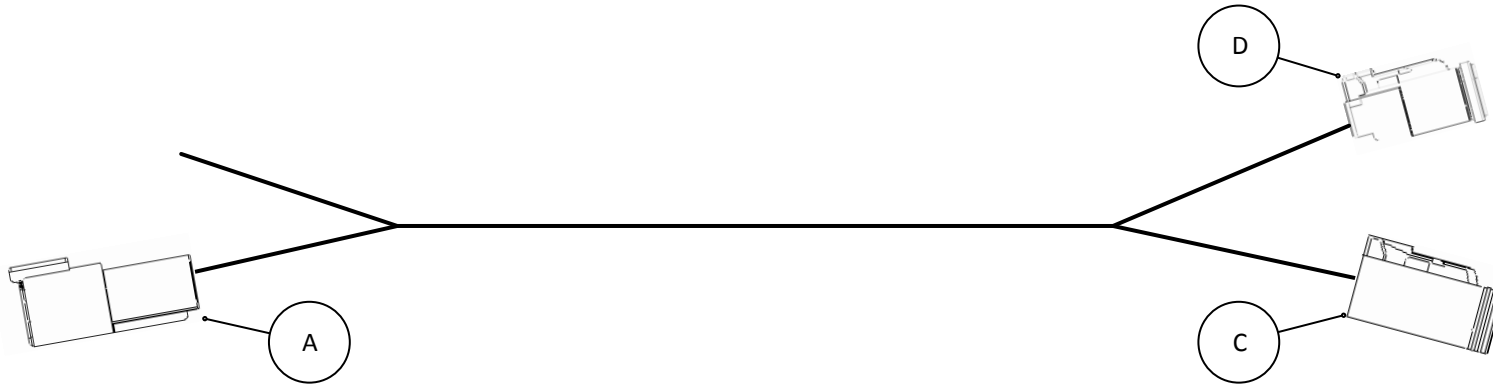
B - SRM Row Harness Connector			
Deutsch 8 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	A1
2	Wake Up In	Yellow	A2
3	Wake Up Out	Orange	A3
4	Tractor CAN HI	Yellow	A4
5	Tractor CAN LO	Green	A5
6	CAN Shield	Gray	A6
7	-	-	-
8	Ground	Black	A8

Part #

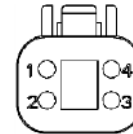
729256

Part

10' Lift Manifold Harness Ext.



VIEW A



VIEW C



VIEW D

A - Pressure Sensor Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	Analog Ground	Black	C1
2	Sensor Power (+10)	Red	C2
3	-	-	-
4	Presssure Signal	Clear	C4

B - PDM DF Valve Connector			
Deutsch 2 Pin Receptacle			
Pin	Function	Color	To
1	DF Valve	Red	D1
2	Ground	Black	D2

C - Lift Manifold Sensor Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	Analog Ground	Black	A1
2	Sensor Power (+10)	Red	A2
3	-	-	-
4	Pressure Signal	Clear	A4

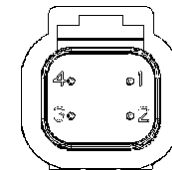
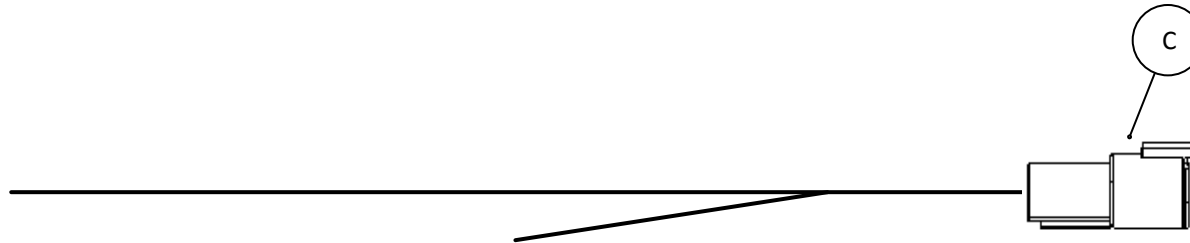
D - Lift Manifold Valve Connector			
Deutsch 2 Pin Plug			
Pin	Function	Color	To
1	DF Valve	Red	B1
2	Ground	Black	B2

Part #

729266

Part

Speedtube Y-Harness



VIEW C

A - vDrive Connector			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	Green	-
2	Row CAN LO	White	-
3	Power (12V)	Red	-
4	Ground	Black	-
5	-	-	-
6	CAN Shield	--	-

B - Speedtube Connector			
Deutsch 6 Pin Plug			
Pin	Function	Color	To
1	Row CAN HI	Green	-
2	Row CAN LO	White	-
3	Power (12V)	Red	-
4	Ground	Black	-
5	-	-	-
6	CAN Shield	--	-

C - Row Harness Connector			
Deutsch 6 Pin Receptacle			
Pin	Function	Color	To
1	Row CAN HI	Green	A1,B1
2	Row CAN LO	White	A2,B2
3	Power (12V)	Red	A3,B3
4	Ground	Black	A4,B4
5	-	-	-
6	CAN Shield	--	-

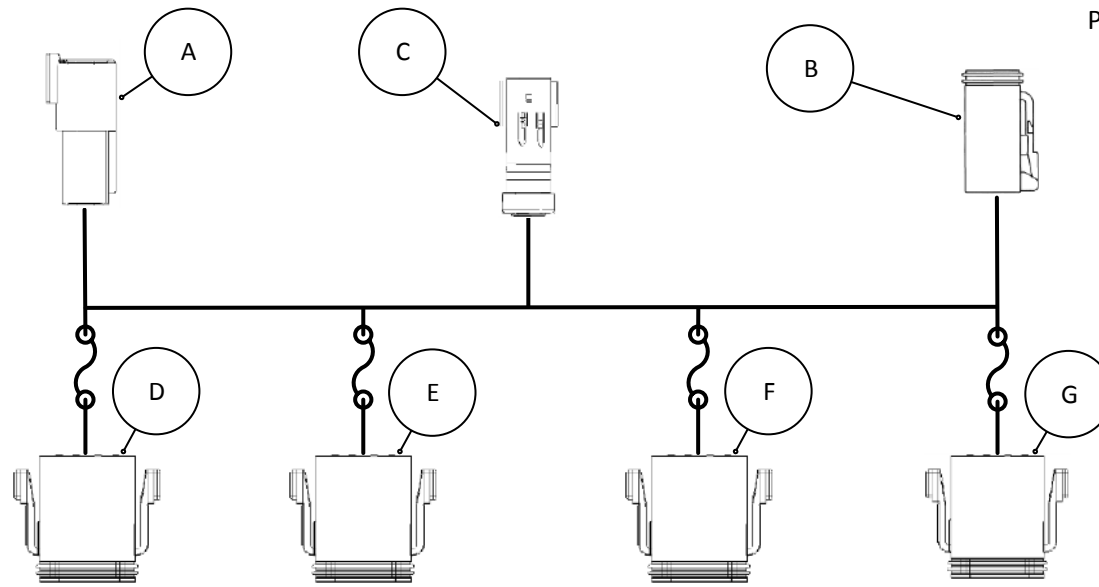
Rows 2-6

Part #

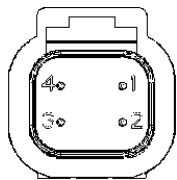
729424

Part

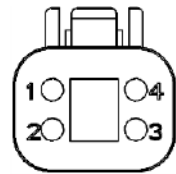
SRM Backbone Harness



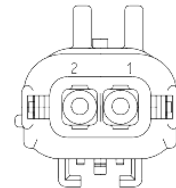
20 AMP Fuse on Red Power Wire



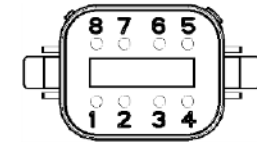
VIEW A



VIEW B



VIEW C



VIEW D-G

A - CAN In Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	CAN HI	Yellow	B1,D4, EF, F4, G4
2	CAN LO	Green	B2, D5, E5, F5, G5
3	CAN Shield	Gray	B3, D6, E6, F6, G6
4	Wake Up	Orange	D2

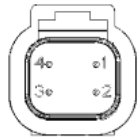
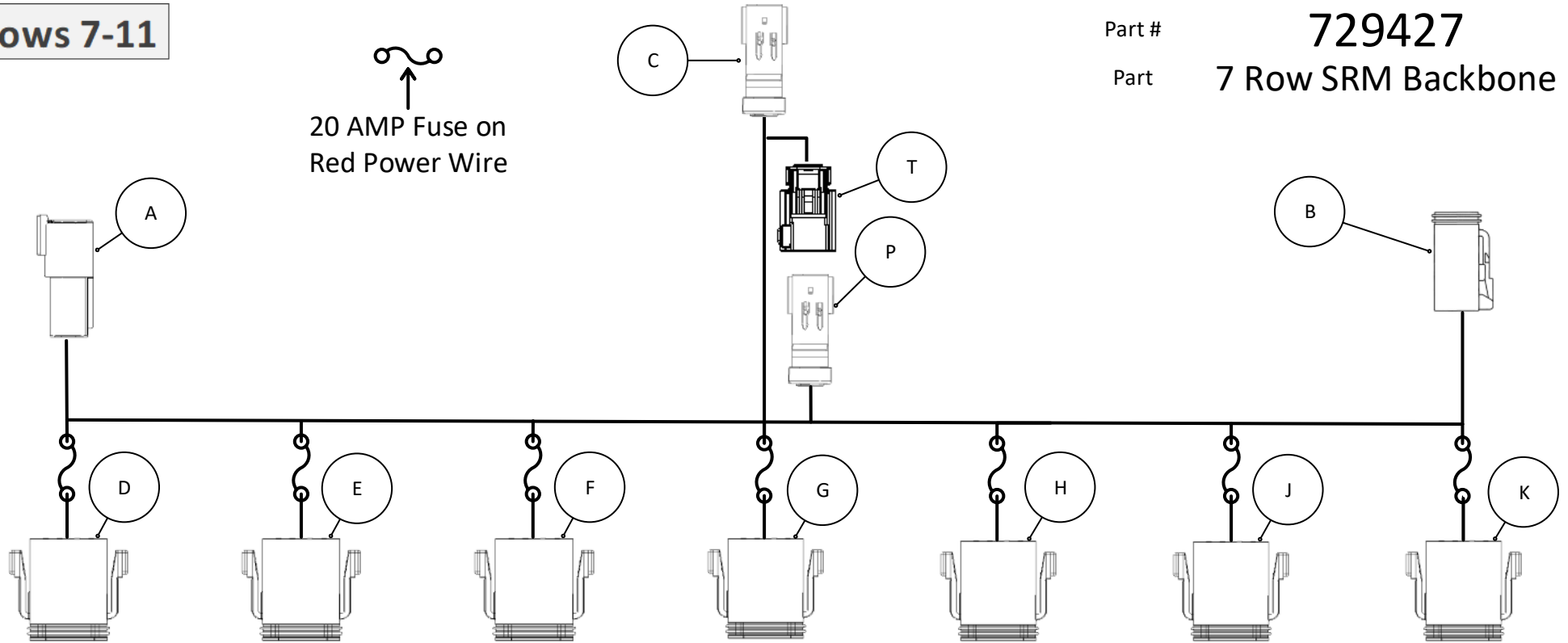
B - CAN Out Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	CAN HI	Yellow	A1, D4, E4, F4, G4
2	CAN LO	Green	A2, D5, E5, F5, G5
3	CAN Shield	Gray	B3, D6, E6, F6, G6

C - 12V Input Power Plug			
APEX 2 Pin Connector			
Pin	Function	Color	To
1	Power (12V)	Red	D1, E1 F1, G1
2	Ground	Black	D8, E8, F8, G8

D thru G - Row Harness Plug			
Deutsch 8 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	C1,D1,E1,F1,G1
2	Wake Up In	Orange	A4, D3,E3,F3,G3
3	Wake Up Out	Orange	D2,E2,F2,G2,B4
4	CAN HI	Yellow	A1, D4, E4, F4, G4, B1
5	CAN LO	Green	A2, D5, E5, F5, G5,B2
6	CAN Shield	Gray	A3, D6, E6, F6, G6,B3
7	-	-	-
8	Ground	Black	C2,D8,E8,F8,G8

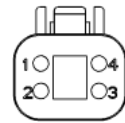
Rows 7-11

Part # **729427**
 Part **7 Row SRM Backbone**



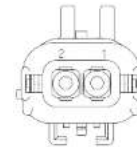
VIEW A

A - CAN In Connector			
Deutsch 4 Pin Receptacle			
Pin	Function	Color	To
1	CAN HI	Yellow	D4,E4,F4,G4,H4,J4,K4,B1
2	CAN LO	Green	D5,E5,F5,G5,H5,J5,K5,B2
3	CAN Shield	Gray	D6,E6,F6,G6,H6,J6,K6,B3
4	Wake Up	Orange	D2,E2,F2,G2,H2,J2,K2,B4



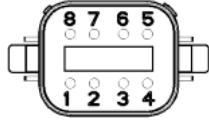
VIEW B

B - CAN Out Connector			
Deutsch 4 Pin Plug			
Pin	Function	Color	To
1	CAN HI	Yellow	A1,D4,E4,F4,G4,H4,J4,K4
2	CAN LO	Green	A2,D5,E5,F5,G5,H5,J5,K5
3	CAN Shield	Gray	A3,D6,E6,F6,G6,H6,J6,K6
4	Wake Up	Orange	A4,D2,E2,F2,G2,H2,J2,K2



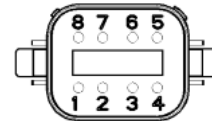
VIEW C

C - 12V Input Power Connector (Left)			
APEX 2 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	T1,P1,D1,E1,F1,G1
2	Ground	Black	T2,P2,D8,E8,F8,G8,H8,J8



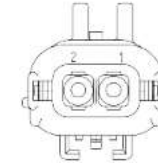
VIEW D-G

D thru G - Row Harness Connector			
Deutsch 8 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	C1,D1,E1, F1,G1
2	Wake Up In	Orange	A4
3	Wake Up Out	Orange	
4	CAN HI	Yellow	A1,D4,E4, F4,G4,H4, J4,K4,B1
5	CAN LO	Green	A2,D5,E5, F5,G5,H5, J5,K5,B2
6	CAN Shield	Gray	A3,D6,E6, F6,G6,H6, J6,K6,B3
7	-	-	-
8	Ground	Black	C2,T2,P2, D8,E8,F8, G8,H8,J8, K8



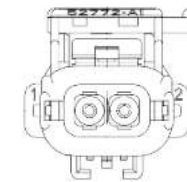
VIEW H-K

H thru K - Row Harness Connector			
Deutsch 8 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	P1,H1,J1, K1
2	Wake Up In	Orange	
3	Wake Up Out	Orange	
4	CAN HI	Yellow	A1,D4,E4, F4,G4,H4, J4,K4,B1
5	CAN LO	Green	A2,D5,E5, F5,G5,H5, J5,K5,B2
6	CAN Shield	Gray	A3,D6,E6, F6,G6,H6, J6,K6,B3
7	-	-	-
8	Ground	Black	C2,T2,P2, D8,E8,F8, G8,H8,J8, K8



VIEW L

P - 12V Input Power Connector (Right)			
APEX 2 Pin Plug			
Pin	Function	Color	To
1	Power (12V)	Red	H1,J1,K1
2	Ground	Black	C2,T2,D8, E8,F8,G8, H8,J8,K8



VIEW T

T - 12V Output Power Connector			
Apex 2 Pin Receptacle			
Pin	Function	Color	To
1	Power (12V)	Red	C1,P1
2	Ground	Black	C2,P2

Part Number	SRM Backbone Harness	Row Spacing	Rows Powered By C	Rows Powered By P
729422	2 Rows 30"	30"	All	N/A
729423	3 Rows 30"	30"	All	N/A
729424	4 Rows 30"	30"	All	N/A
729425	5 Rows 30"	30"	All	N/A
729426	6 Rows 30"	30"	All	N/A
729427	7 Rows 30"	30"	D-G	H-K
729428	8 Rows 30"	30"	D-G	H-L
729429	9 Rows 30"	30"	D-H	J-M
729430	10 Rows 30"	30"	D-H	J-N
729431	11 Rows 30"	30"	D-J	K-O
729442	2 Rows 38"	38"	All	N/A
729443	3 Rows 38"	38"	All	N/A
729444	4 Rows 38"	38"	All	N/A
729445	5 Rows 38"	38"	All	N/A
729446	6 Rows 38"	38"	All	N/A
729447	7 Rows 38"	38"	D-G	H-K
729448	8 Rows 38"	38"	D-G	H-L
729449	9 Rows 38"	38"	D-H	J-M
729450	10 Rows 38"	38"	D-H	J-N
729451	11 Rows 38"	38"	D-J	K-O
729462	2 Rows 22"	22"	All	N/A
729463	3 Rows 22"	22"	All	N/A
729464	4 Rows 22"	22"	All	N/A
729465	5 Rows 22"	22"	All	N/A
729466	6 Rows 22"	22"	All	N/A
729467	7 Rows 22"	22"	D-G	H-K
729468	8 Rows 22"	22"	D-G	H-L
729469	9 Rows 22"	22"	D-H	J-M
729470	10 Rows 22"	22"	D-H	J-N
729471	11 Rows 22"	22"	D-J	K-O

Go To 729XXX

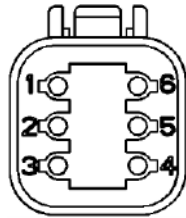
Part Number	Part Name	Length
729481	CAN Jumper	10"
729482	CAN Jumper	20"
729483	CAN Jumper	30"

Part #

729481-729483

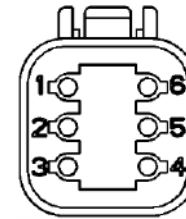
Part

CAN Jumper Harness



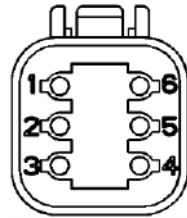
VIEW A

A - Common			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B1
2	ROW CAN LO	Green	B2
3	Power (12V)	Red	A5, B3
4	Ground	Black	B4
5	1/4 Watt Resistor	-	A3
6	CAN Shield	-	B6



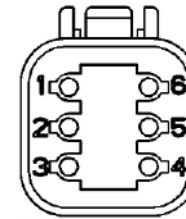
VIEW B

B - Common			
725886			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1
2	Row CAN LO	Green	A2
3	Power (12V)	Red	A3, B5
4	Ground	Black	A4
5	1/4 Watt Resistor	-	B3
6	CAN Shield	-	A6



VIEW A

A - Common			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B1
2	ROW CAN LO	Green	B2
3	Power (12V)	Red	A5, B3
4	Ground	Black	B4
5	1/4 Watt Resistor	-	A3
6	CAN Shield	-	B6



VIEW B

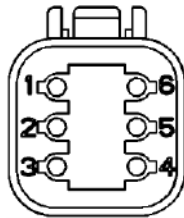
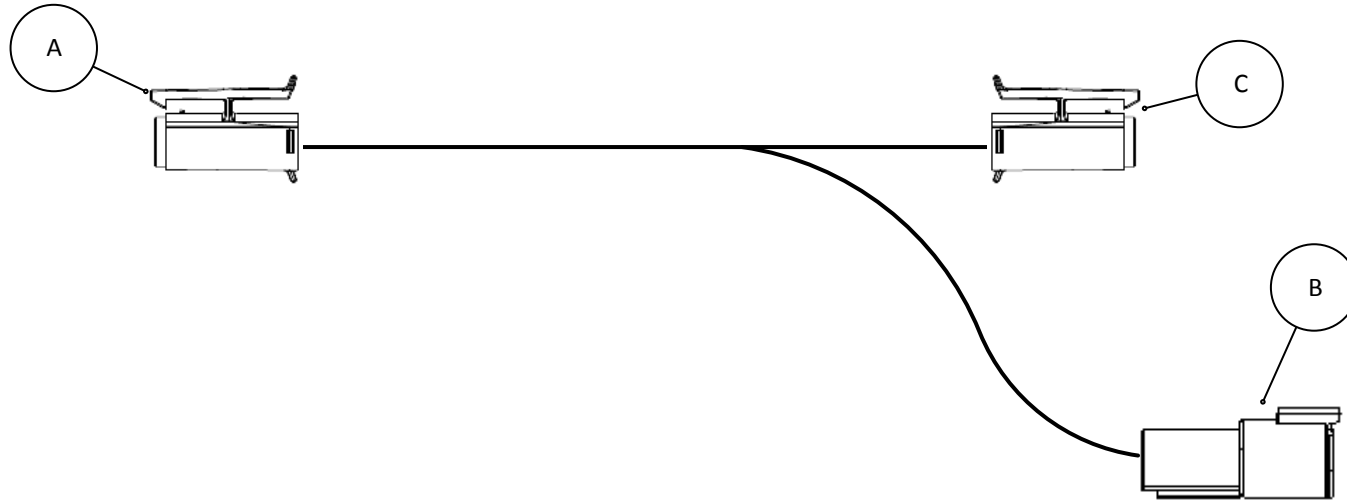
B - Common			
725886			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1
2	Row CAN LO	Green	A2
3	Power (12V)	Red	A3, B5
4	Ground	Black	A4
5	1/4 Watt Resistor	-	B3
6	CAN Shield	-	A6

Part #

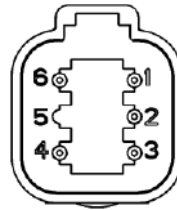
729508

Part

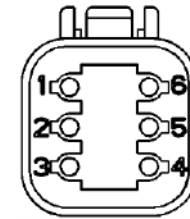
6-Pin CAN Y Harness



VIEW A



VIEW B



VIEW C

A - Out			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B1,C1
2	ROW CAN LO	Green	B2,C2
3	Power (12V)	Red	B3,C3
4	Ground	Black	B4,C2
5	-	-	-
6	CAN Shield	-	B6,C6

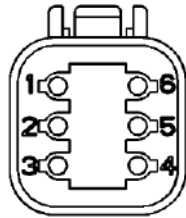
B - In			
Deutsch DT04-6P			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1, C1
2	Row CAN LO	Green	A2, C2
3	Power (12V)	Red	A3, C3
4	Ground	Black	A4, C4
5	-	-	-
6	CAN Shield	-	A6, C6

C - Module			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1, B1
2	Row CAN LO	Green	A2, B2
3	Power (12V)	Red	A3, B3
4	Ground	Black	A4, B4
5	-	-	-
6	CAN Shield	-	A6, B6

Go To 729XXX

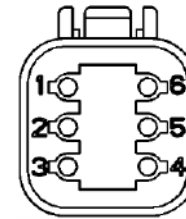
Part Number	Part Name	CAN ID
729542	CAN Identifier - Product 2	2
729543	CAN Identifier - Product 3	3
729544	CAN Identifier - Product 4	4
729545	CAN Identifier - Product 5	5
729546	CAN Identifier - Product 6	6

Part # **729542 - 729546**
 Part **CAN ID Harness**



VIEW A

A - Common			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	B1
2	ROW CAN LO	Green	B2
3	Power (12V)	Red	A5, B3
4	Ground	Black	B4
5	1/4 Watt Resistor	-	A3
6	CAN Shield	-	B6



VIEW B

B - Common			
725885			
Pin	Function	Color	To
1	Row CAN HI	Yellow	A1
2	Row CAN LO	Green	A2
3	Power (12V)	Red	A3, B5
4	Ground	Black	A4
5	1/4 Watt Resistor	-	B3
6	CAN Shield	-	A6

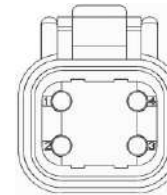
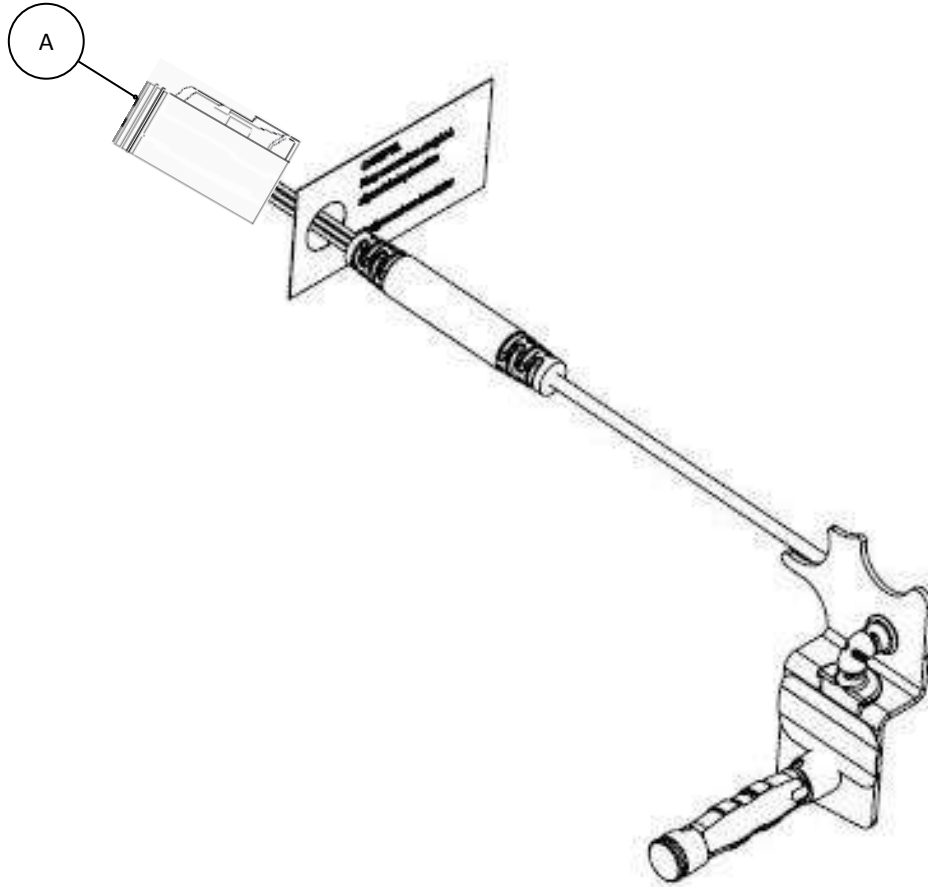
Go To 729XXX

Part #

729887

Part

White 9000



VIEW A

A - Load Pin			
4 Pin Deutsch Plug			
DTM06-4S			
Pin	Function	Color	To
1	Load (+) 5 Volt	Red	NA
2	(-) Signal	Green	NA
3	(+) Signal	White	NA
4	Ground	Black	NA

731XXX

Contents

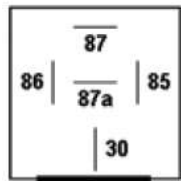
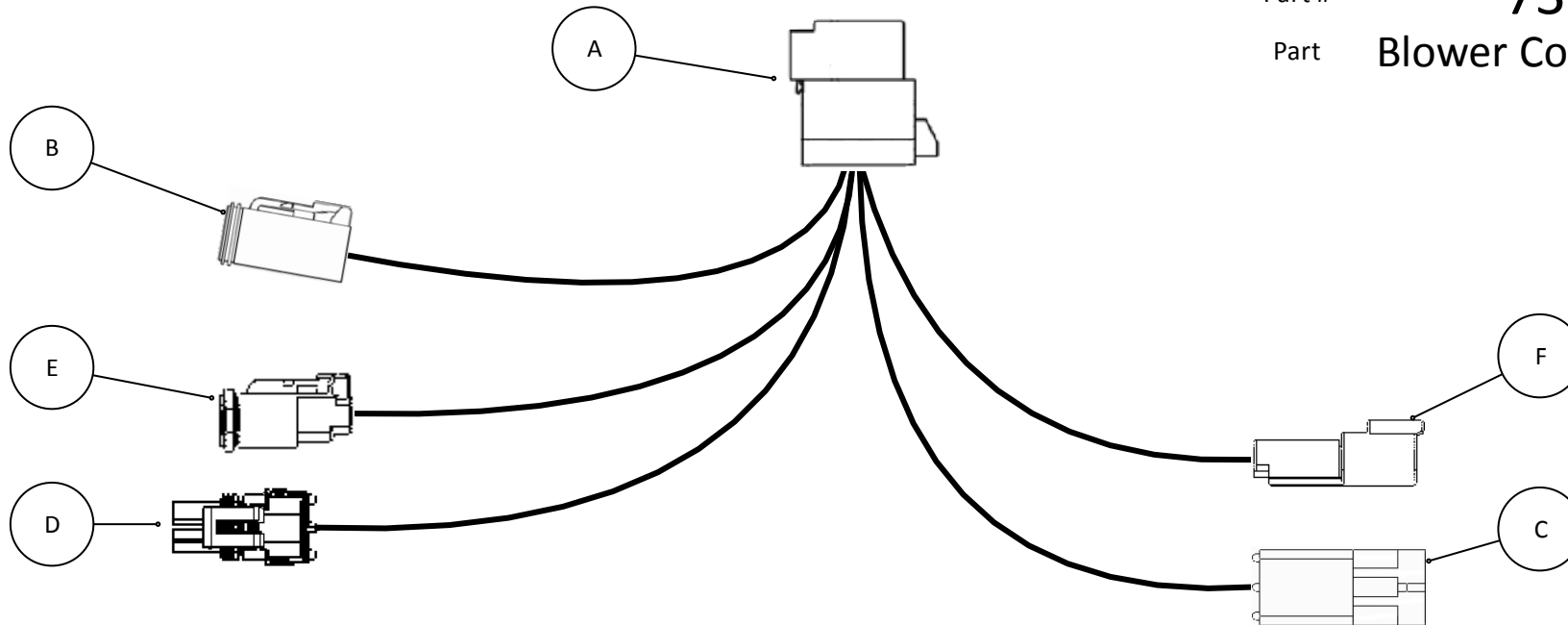
◆ 731205 Blower Control Harness	385
◆ 731384 6-Pin Y Harness	386

Part #

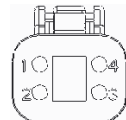
731205

Part

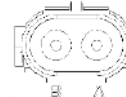
Blower Control Harness



View A



View B



View C



View D



View E



View F

A - Hella Relay			
H84709001			
Pin	Function	Color	To
85	Power (12V)	Red	B1
86	Ground	Black	B4
30	Output	Red	D(B), E(2)
87	Source Power (12V)		
87A	Source Power (12V)	Red	C(B), F(2)

B - Blower Control Module			
Deutsch DT06-4S			
Pin	Function	Color	To
1	Power (12V)	Red	A85
2			
3			
4	Ground	Black	A86

C - Tractor Power			
Weatherpack 2 Pin Receptacle			
Pin	Function	Color	To
A	Ground	Black	D(A)
B	Power (12V)	Red	A(87A)

D - Blower Solenoid			
Weatherpack 2 Pin Plug			
Pin	Function	Color	To
A	Ground	Black	C(A), F(1), E(1)
B	Power (12V)	Red	A30

E - Blower Solenoid			
Deutsch DT04-2S			
Pin	Function	Color	To
1	Ground	Black	D(A)
2	Power (12V)	Red	A30

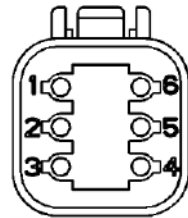
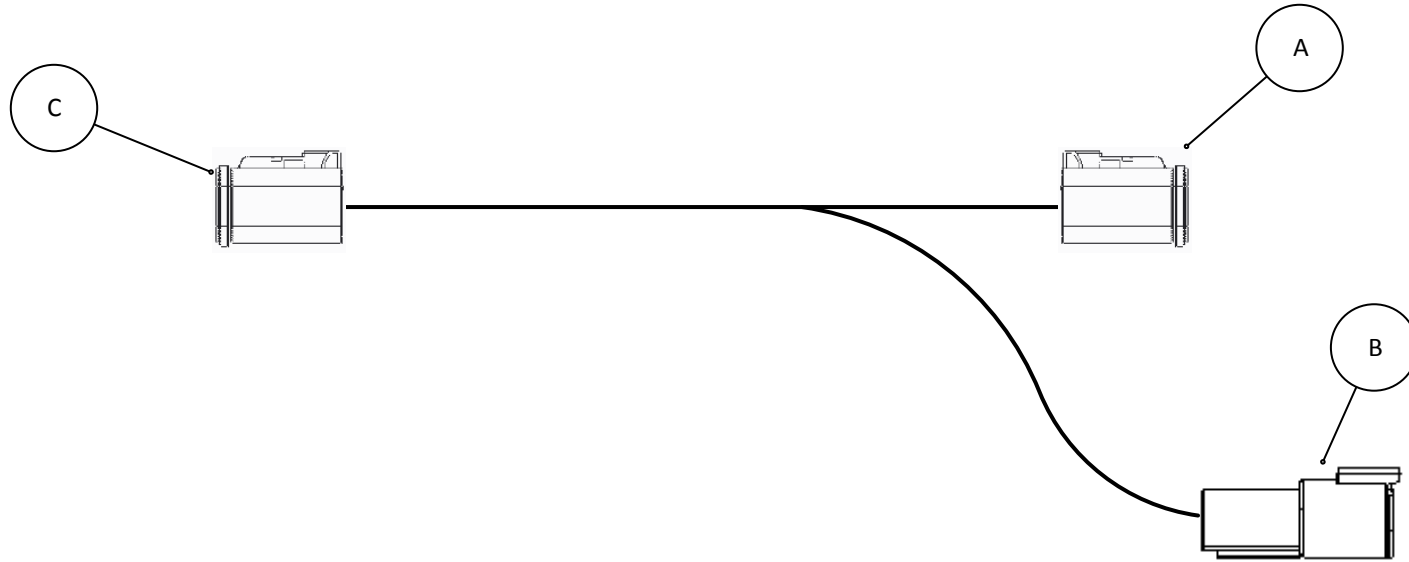
F - Tractor Power			
Deutsch DT04-2P			
Pin	Function	Color	To
1	Ground	Black	D(A)
2	Power (12V)	Red	A(87A)

Part #

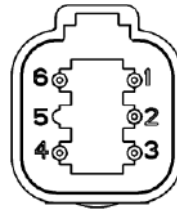
731384

Part

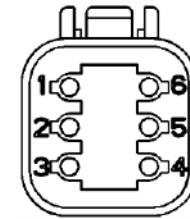
6-Pin Y Harness



VIEW A



VIEW B



VIEW C

A - Blower Control			
Deutsch DT06-6S			
Pin	Function	Color	To
1	Row CAN HI	Green	B1,C1
2	ROW CAN LO	Yellow	B2,C2
3	Power (12V)	Red	B3,C3
4	Ground	Black	B4,C2
5	-	-	-
6	CAN Shield	-	B6,C6

B - Source			
Deutsch DT04-6P			
Pin	Function	Color	To
1	Row CAN HI	Green	A1
2	Row CAN LO	Yellow	A2
3	Power (12V)	Red	A3,B5
4	Ground	Black	A4
5	6.19 KOHM Resistor	-	B3
6	CAN Shield	-	A6

C - Extension			
Deutsch DT06-6S			
Pin	Function	Color	To
1	Row CAN HI	Green	A1
2	Row CAN LO	Yellow	A2
3	Power (12V)	Red	A3
4	Ground	Black	A4
5	-	-	-
6	CAN Shield	-	A6

Schematics

Contents

Planting Schematics 388

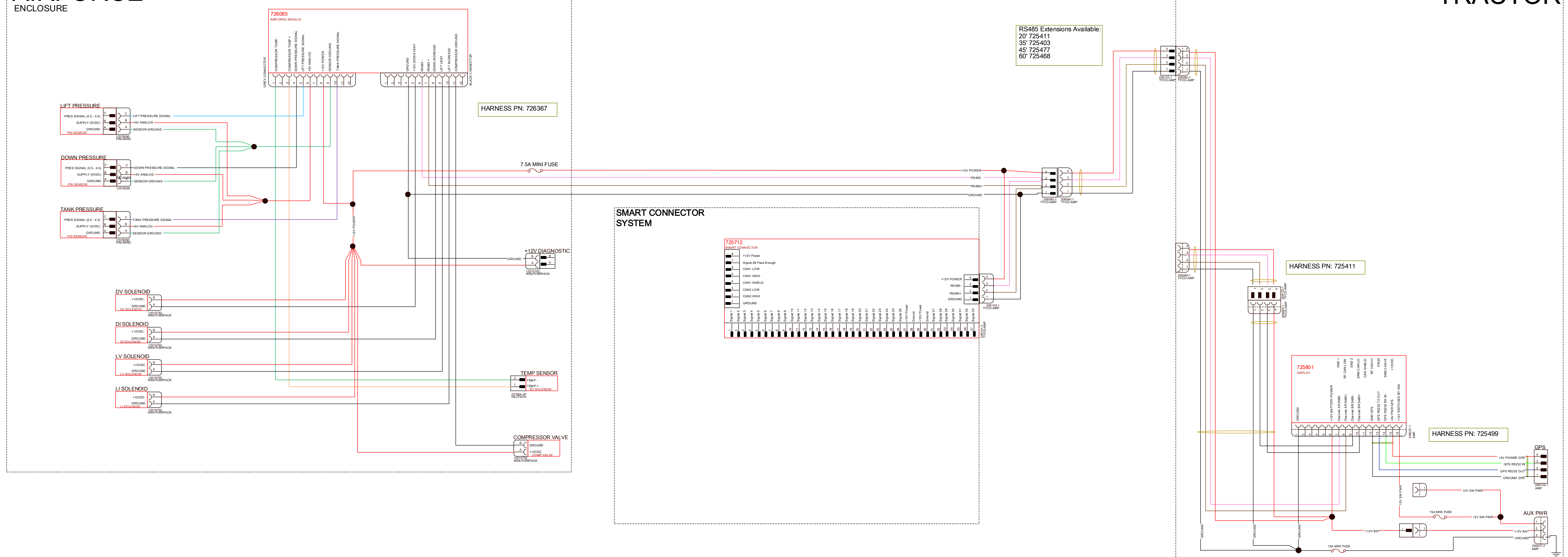
Planting Schematics

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- ◆ AirForce System Schematic 389
- ◆ SRM System Schematic 390
- ◆ DeltaForce System Hydraulic Schematic 391
- ◆ Smart Connect System Schematic..... 392
- ◆ RowFlow System Schematic..... 393

AIRFORCE ENCLOSURE

TRACTOR

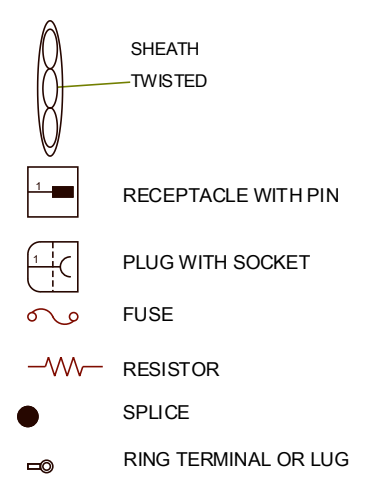
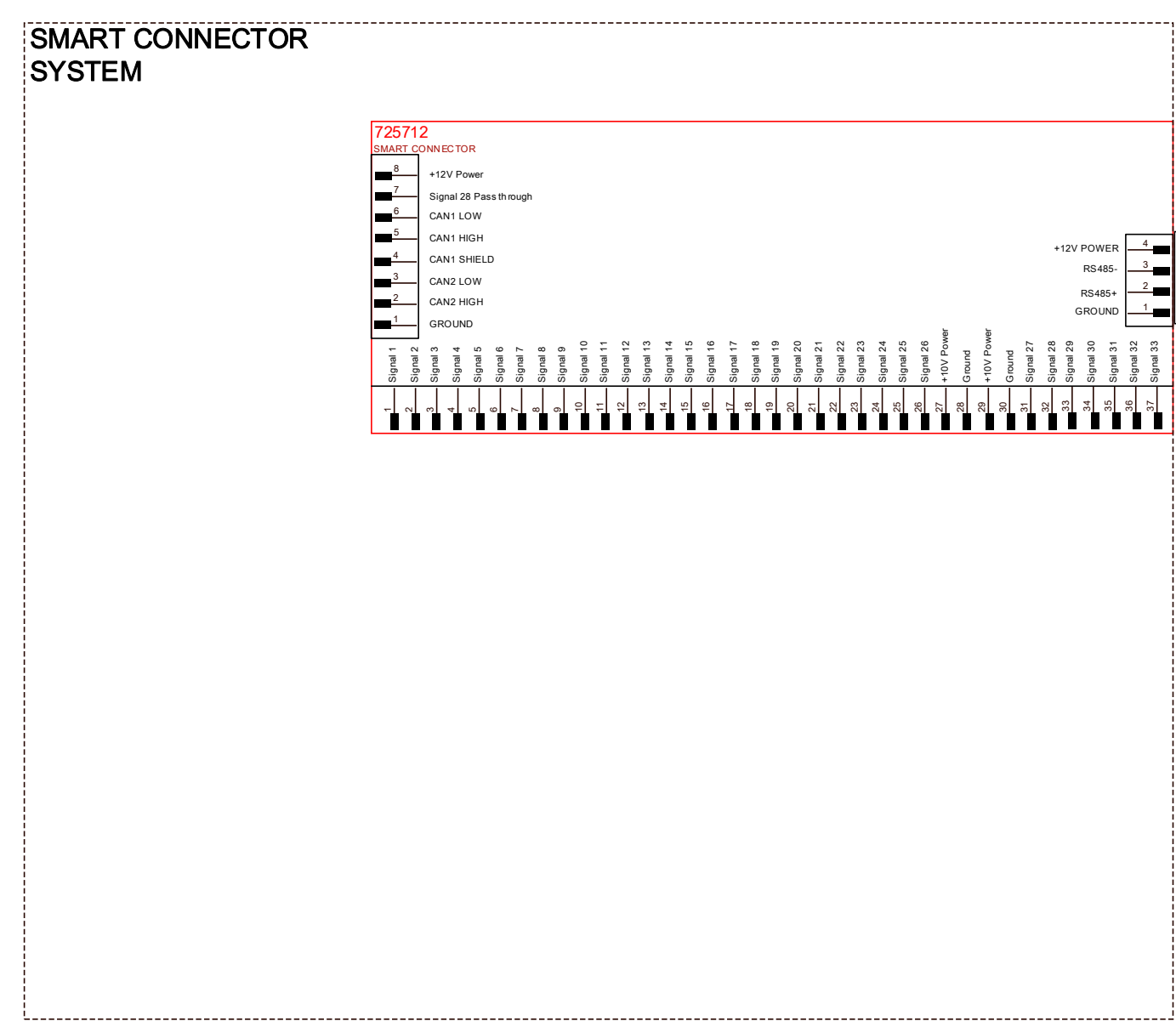


RS485 Extensions Available:
 20' 725411
 35' 725403
 45' 725477
 60' 725468

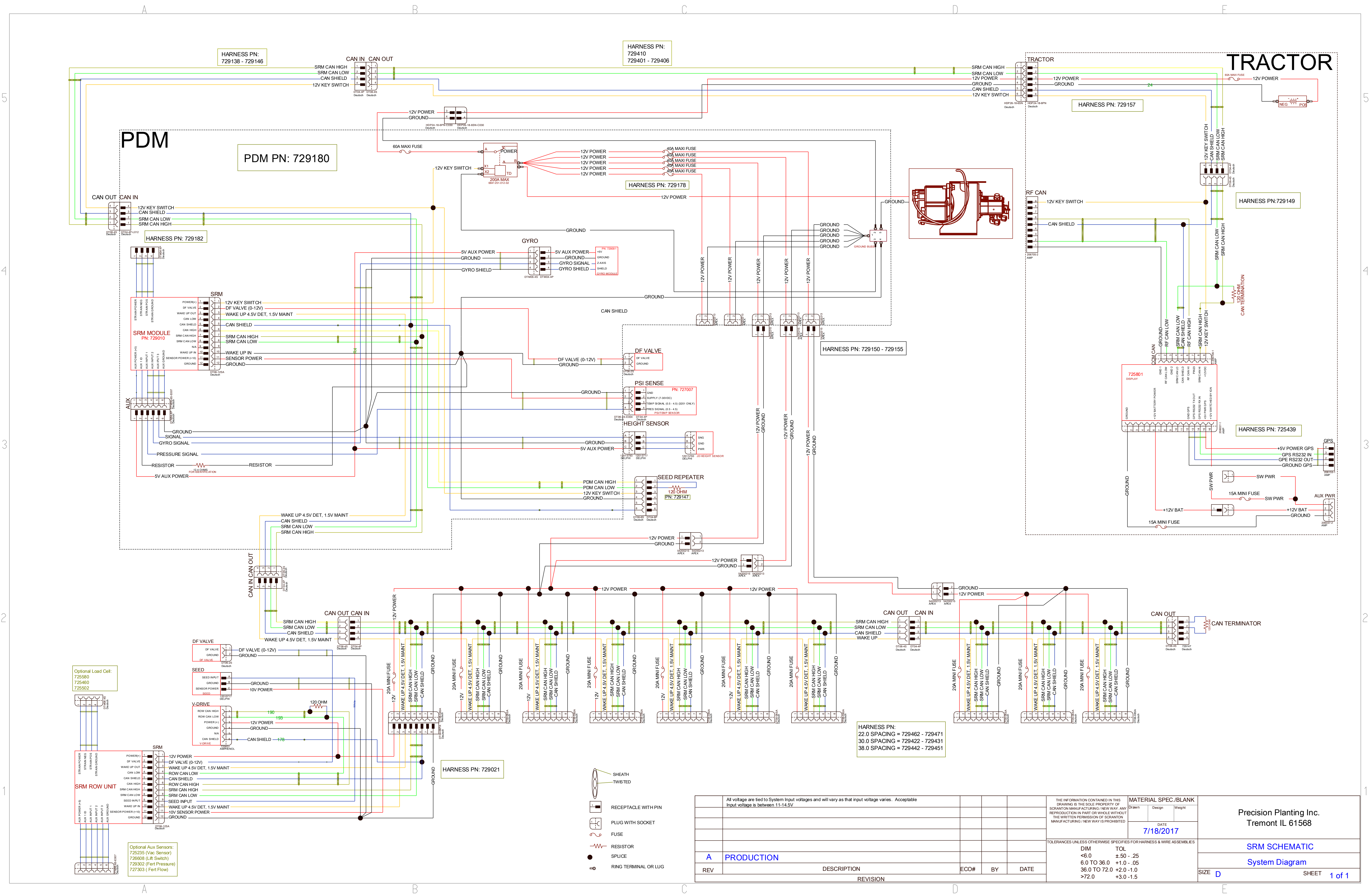
HARNESS PN: 726367

HARNESS PN: 725411

HARNESS PN: 725499



All voltage are tied to System Input voltages and will vary as that input voltage varies. Acceptable Input voltage is between 11-14.5V				ECO#		MATERIAL SPEC./BLANK Drawn Design Weight		Precision Planting Inc. Tremont IL 61568	
						DATE 7/18/2017		HYDRAULIC AIRFORCE SCHEMATIC	
						TOLERANCES UNLESS OTHERWISE SPECIFIED FOR HARNESS & WIRE ASSEMBLIES		955553 AirForce Electrical Schematic	
						DIM TOL <6.0 ±.50 -.25 6.0 TO 36.0 +1.0 -.05 36.0 TO 72.0 +2.0 -1.0 >72.0 +3.0 -1.5		System Diagram	
A PRODUCTION				DESCRIPTION		BY		DATE	
REV				REVISION				SIZE D SHEET 1 of 1	



All voltage are tied to System Input voltages and will vary as that input voltage varies. Acceptable input voltage is between: 11-14.5V

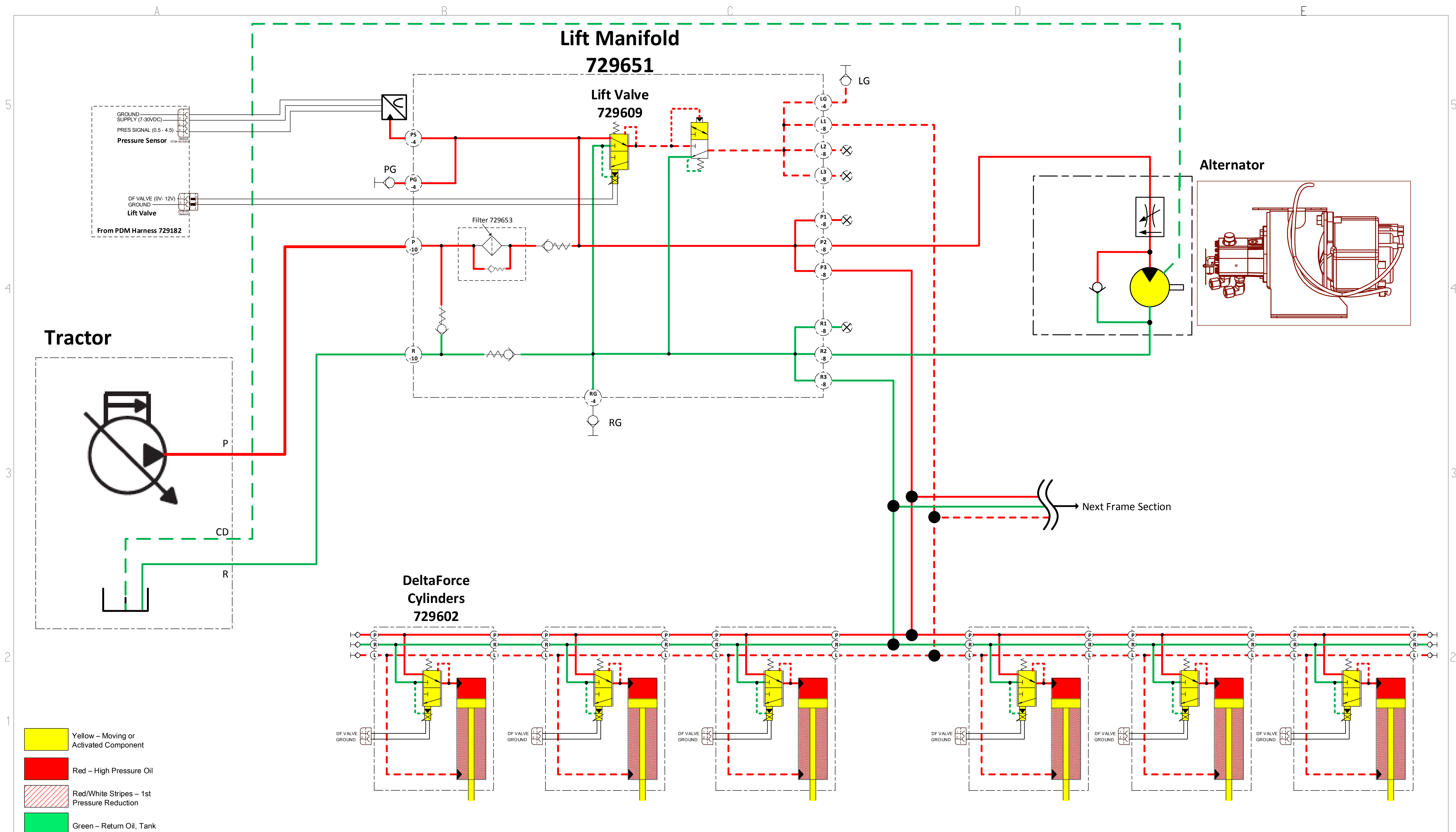
REV	DESCRIPTION	ECCO#	BY	DATE
A	PRODUCTION			

MATERIAL SPEC./BLANK	
Design	Weight
DATE	
7/18/2017	
TOLERANCES UNLESS OTHERWISE SPECIFIED FOR HARNESS & WIRE ASSEMBLIES	
DIM	TOL
<6.0	±.50 - .25
6.0 TO 36.0	+1.0 - .05
36.0 TO 72.0	+2.0 - 1.0
>72.0	+3.0 - 1.5

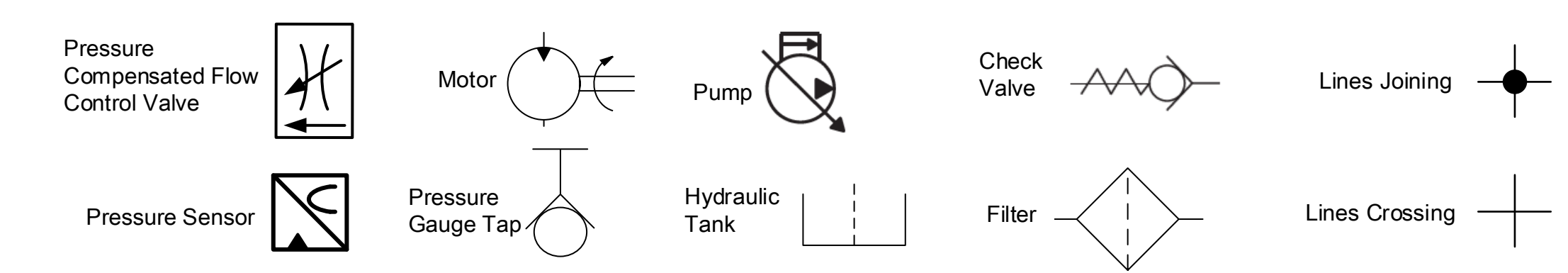
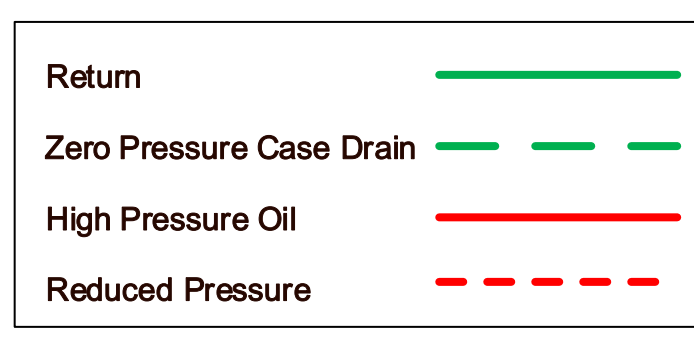
Precision Planting Inc.
Tremont IL 61568

SRM SCHEMATIC
System Diagram

SIZE D SHEET 1 of 1



- Yellow – Moving or Activated Component
- Red – High Pressure Oil
- Red/White Stripes – 1st Pressure Reduction
- Green – Return Oil, Tank



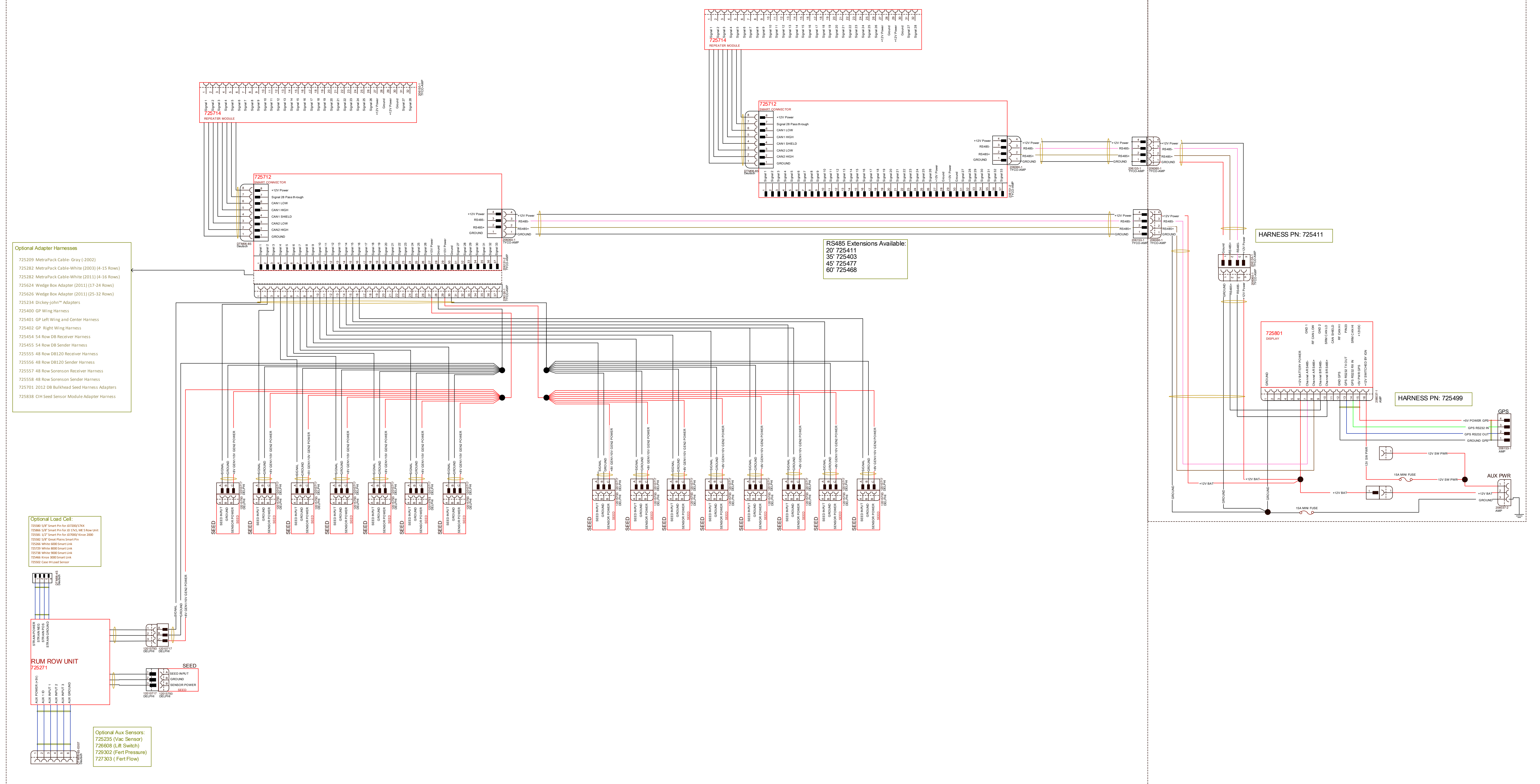
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A	PRODUCTION			
REVISION 1				

MATERIAL SPEC/BLANK	
Drawn	Design
DATE 3/5/2018	
TOLERANCES UNLESS OTHERWISE SPECIFIED FOR HARNESS & WIRE ASSEMBLIES	
DIM	TOL
<6.0	±.50 - .25
6.0 TO 36.0	+1.0 - .05
36.0 TO 72.0	+2.0 - 1.0
>72.0	+3.0 - 1.5

Precision Planting Inc. Tremont IL 61568 SRM DeltaForce Hydraulic Schematic with Optional Alternator	
955719	
Hydraulic System Diagram	
SIZE D	SHEET 1 of 1

PLANTER

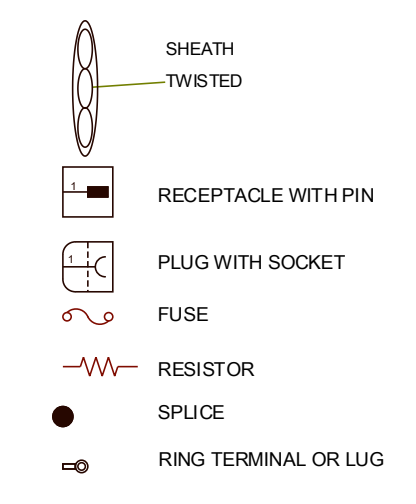
TRACTOR



- Optional Adapter Harnesses**
- 725209 MetraPack Cable-Gray (2002)
 - 725282 MetraPack Cable-White (2003) (4-15 Rows)
 - 725282 MetraPack Cable-White (2011) (4-16 Rows)
 - 725624 Wedge Box Adapter (2011) (17-24 Rows)
 - 725626 Wedge Box Adapter (2011) (25-32 Rows)
 - 725238 DickeyJohn™ Adapters
 - 725403 GP Wing Harness
 - 725403 GP Left Wing and Center Harness
 - 725402 GP Right Wing Harness
 - 725454 54 Row DB Receiver Harness
 - 725455 54 Row DB Sender Harness
 - 725555 48 Row DB120 Receiver Harness
 - 725556 48 Row DB120 Sender Harness
 - 725557 48 Row Sorenson Receiver Harness
 - 725558 48 Row Sorenson Sender Harness
 - 725703 2012 DB Bulkhead Seed Harness Adapters
 - 725838 CIM Seed Sensor Module Adapter Harness

- Optional Load Cell**
- 725808 V/F Smart Pin for 2000-2104
 - 725809 V/F Smart Pin for 2105, M8 5 Row Units
 - 725810 V/F Smart Pin for 2000-2100 Row 2000
 - 725811 V/F Smart Pin for 2000-2100 Row 2000
 - 725812 V/F Smart Pin for 2000-2100 Row 2000
 - 725813 V/F Smart Pin for 2000-2100 Row 2000
 - 725814 V/F Smart Pin for 2000-2100 Row 2000
 - 725815 V/F Smart Pin for 2000-2100 Row 2000
 - 725816 V/F Smart Pin for 2000-2100 Row 2000
 - 725817 V/F Smart Pin for 2000-2100 Row 2000
 - 725818 V/F Smart Pin for 2000-2100 Row 2000
 - 725819 V/F Smart Pin for 2000-2100 Row 2000
 - 725820 V/F Smart Pin for 2000-2100 Row 2000
 - 725821 V/F Smart Pin for 2000-2100 Row 2000
 - 725822 V/F Smart Pin for 2000-2100 Row 2000
 - 725823 V/F Smart Pin for 2000-2100 Row 2000
 - 725824 V/F Smart Pin for 2000-2100 Row 2000
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 - 725826 V/F Smart Pin for 2000-2100 Row 2000
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 - 725828 V/F Smart Pin for 2000-2100 Row 2000
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 - 725838 V/F Smart Pin for 2000-2100 Row 2000
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 - 725860 V/F Smart Pin for 2000-2100 Row 2000
 - 725861 V/F Smart Pin for 2000-2100 Row 2000
 - 725862 V/F Smart Pin for 2000-2100 Row 2000
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 - 725874 V/F Smart Pin for 2000-2100 Row 2000
 - 725875 V/F Smart Pin for 2000-2100 Row 2000
 - 725876 V/F Smart Pin for 2000-2100 Row 2000
 - 725877 V/F Smart Pin for 2000-2100 Row 2000
 - 725878 V/F Smart Pin for 2000-2100 Row 2000
 - 725879 V/F Smart Pin for 2000-2100 Row 2000
 - 725880 V/F Smart Pin for 2000-2100 Row 2000
 - 725881 V/F Smart Pin for 2000-2100 Row 2000
 - 725882 V/F Smart Pin for 2000-2100 Row 2000
 - 725883 V/F Smart Pin for 2000-2100 Row 2000
 - 725884 V/F Smart Pin for 2000-2100 Row 2000
 - 725885 V/F Smart Pin for 2000-2100 Row 2000
 - 725886 V/F Smart Pin for 2000-2100 Row 2000
 - 725887 V/F Smart Pin for 2000-2100 Row 2000
 - 725888 V/F Smart Pin for 2000-2100 Row 2000
 - 725889 V/F Smart Pin for 2000-2100 Row 2000
 - 725890 V/F Smart Pin for 2000-2100 Row 2000
 - 725891 V/F Smart Pin for 2000-2100 Row 2000
 - 725892 V/F Smart Pin for 2000-2100 Row 2000
 - 725893 V/F Smart Pin for 2000-2100 Row 2000
 - 725894 V/F Smart Pin for 2000-2100 Row 2000
 - 725895 V/F Smart Pin for 2000-2100 Row 2000
 - 725896 V/F Smart Pin for 2000-2100 Row 2000
 - 725897 V/F Smart Pin for 2000-2100 Row 2000
 - 725898 V/F Smart Pin for 2000-2100 Row 2000
 - 725899 V/F Smart Pin for 2000-2100 Row 2000
 - 725900 V/F Smart Pin for 2000-2100 Row 2000

- Optional Aux Sensors:**
- 725235 (Viac Sensors)
 - 726608 (Lift Switch)
 - 729302 (Fert Pressure)
 - 727303 (Fert Flow)



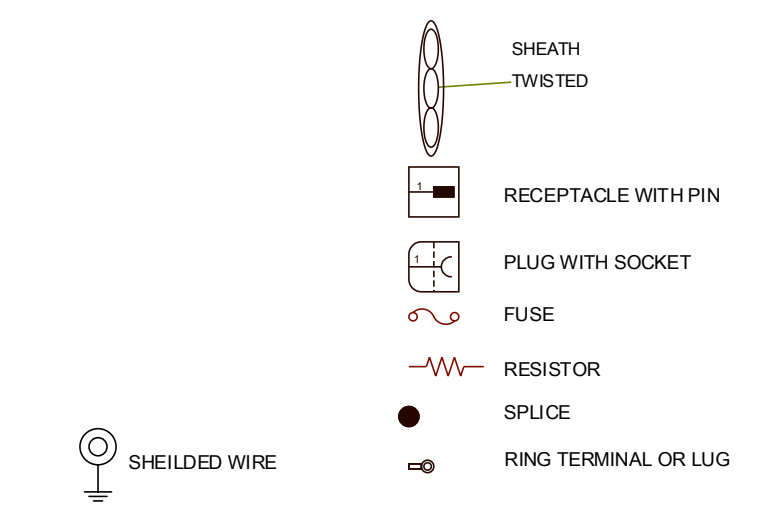
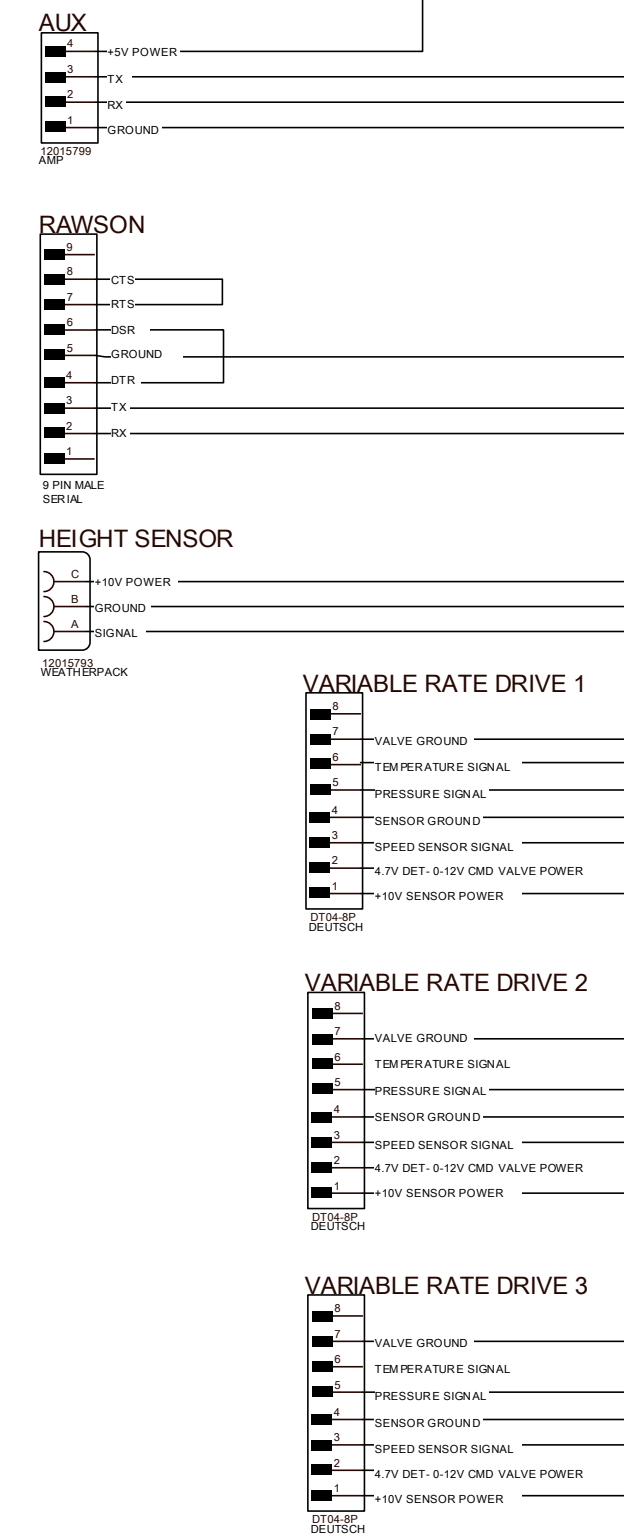
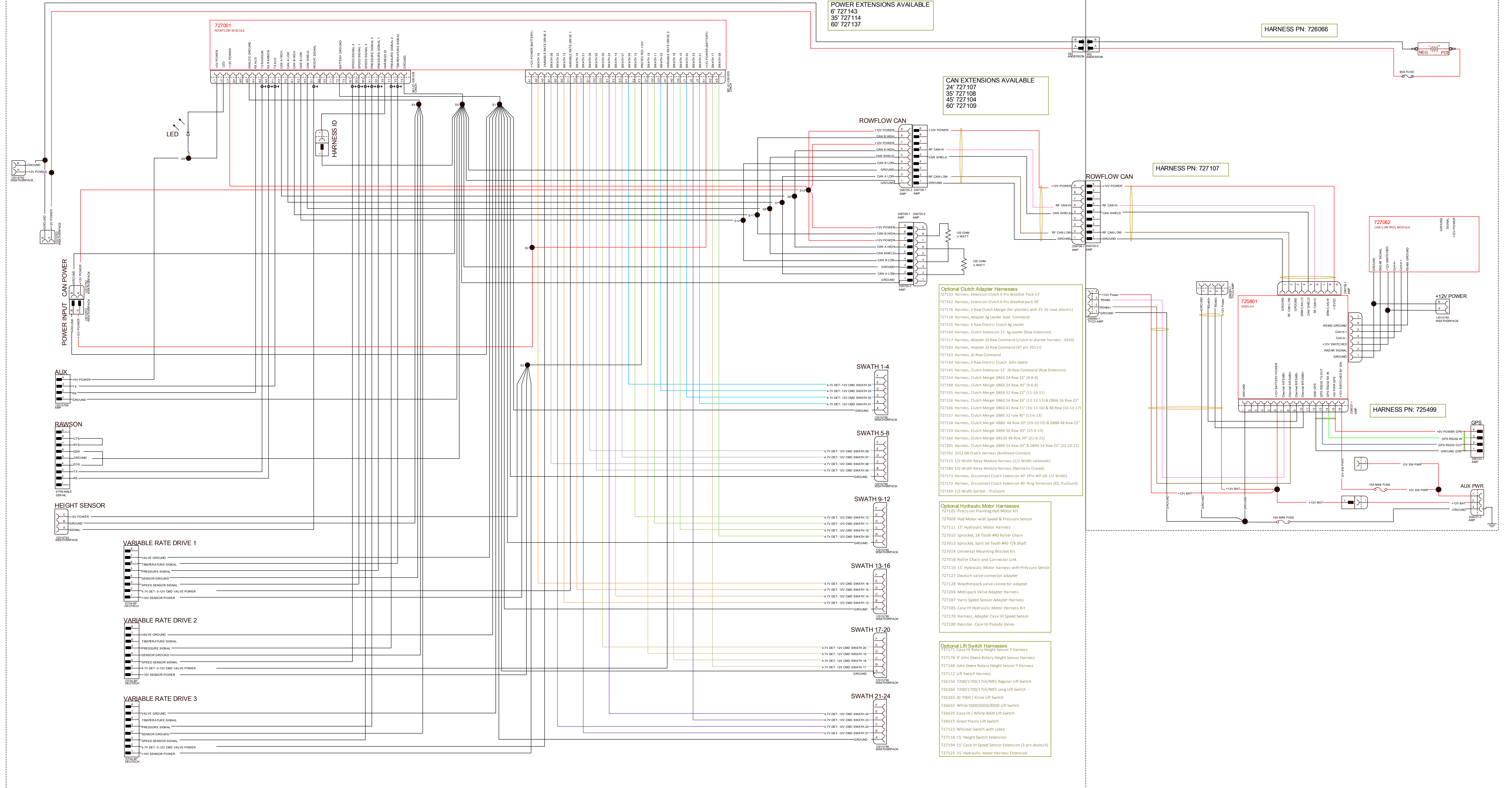
All voltage are tied to System Input voltages and will vary as that input voltage varies. Acceptable input voltage is between 11-14.5V			
A PRODUCTION			
REV	DESCRIPTION	BY	DATE
REVISION			

MATERIAL SPEC./BLANK	
Drawn	Design
DATE	
7/18/2017	
TOLERANCES UNLESS OTHERWISE SPECIFIED FOR HARNESS & WIRE ASSEMBLIES	
DIM	TOL
<6.0	±.50 - .25
6.0 TO 36.0	+1.0 - .05
36.0 TO 72.0	+2.0 - 1.0
>72.0	+3.0 - 1.5

Precision Planting Inc. Tremont IL 61568	
SMART CONNECTOR SCHEMATIC	
955552	SeedSense Electrical Schematic
System Diagram	
SIZE D	SHEET 1 of 1

PLANTER

TRACTOR



All voltage are tied to System input voltages and will vary as that input voltage varies. Acceptable input voltage is between 11-14.5V

REV	DESCRIPTION	REVISION	BY	DATE
A	PRODUCTION			

MATERIAL SPEC./BLANK		
Drawn	Design	Weight
DATE 7/18/2017		
TOLERANCES UNLESS OTHERWISE SPECIFIED FOR HARNESS & WIRE ASSEMBLIES		
DIM	TOL	
<.6	±.50 - .25	
6.0 TO 36.0	+1.0 - .05	
36.0 TO 72.0	+2.0 - 1.0	
>72.0	+3.0 - 1.5	

Precision Planting Inc. Tremont IL 61568	
ROWFLOW SYSTEM SCHEMATIC	
955554	RowFlow Electrical Schematic
System Diagram	
SIZE D	SHEET 1 of 1

System Event Codes

Event Codes

Go To Event Codes

Code	Event Log Pop-Up	Cause:	To Resolve:
5			
6	There is a daisy chain short in the wiring harness DAISYWHERE__. The detected configuration may not be correct.	There is a daisy chain short in the wiring harness DAISYWHERE__. The detected configuration may not be correct.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
7	There is a daisy chain break in the wiring harness DAISYWHERE__. The detected configuration may not be correct.	There is a daisy chain break in the wiring harness DAISYWHERE__. The detected configuration may not be correct.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
8	An unknown SRM has been detected. Please check harness for damage.	An unknown SRM has been detected. Please check harness for damage.	
9	The system has lost communication with all SRM modules.	The system was unable to communicate with any SRM modules.	Check for a planter wiring harness problem or a break from the CAB.
100	A problem was detected with the internal memory. The system will continue to operate but will have less internal space available for field map and snapshot data, and mapping functionality will not be available. Refer to the Device Status screen for more details.	A problem was detected with the internal memory. The system will continue to operate but will have less internal space available for field map and snapshot data, and mapping functionality will not be available.	Replace the display.
112	The Display unit cannot detect it's internal DUG module	The Display unit cannot detect it's internal DUG module	Power cycle the Display unit.
113	Internal storage could not be updated. Operating the 20/20 with this problem may reduce performance. Backup field data to an external device, delete the data from the 20/20 and power cycle the 20/20.	Internal storage could not be updated. If you operate the 20/20 with this problem performance may be degraded.	Backup field data to an external device, delete the data from the 20/20 and power cycle the 20/20.
114	Internal storage size mismatch problem detected. Operating the 20/20 with this problem may corrupt field data. Please contact 20/20 Product Support for instructions on correcting this problem.	An internal storage size mismatch problem has been detected. If you operate the 20/20 with this problem, you risk corrupting field data.	Please contact 20/20 Product Support for instructions on correcting this problem
200	The GPS data is unreliable due to a lack of satellites.	The GPS data is unreliable due to a lack of satellites.	Check the GPS system to verify signal quality.
201	The GPS communication quality is low.	The GPS communication quality is less than 80%.	Verify proper NMEA output settings and plug in location. Verify the GPS system signal quality.
202	The GPS communication bus usage is high. Warning: This condition could cause inaccurate seeding control!	The GPS communication bus usage is greater than 90%. Warning: This condition could cause inaccurate seeding control!	Increase the baud rate on the GPS unit or decrease the number of messages being sent from the GPS device.
203	The Radar speed is missing while the GPS shows movement.	The Radar speed is missing while the GPS shows movement.	Confirm that the radar cable is securely connected to the CCM. Remove any radar splitters that might be connecting to other accessories. Remove any debris that might be obstructing the radar module on the tractor.
204	The user has completed a GPS Health Check.	User may or may not have updated the offset values.	This Event is used to remind users to run this check periodically
300	The system was unable to update the firmware on the Smart Connectors. After unplugging the planter harness and checking it for damage, perform a Reset Modules operation from the Diagnostics Tab.	The system was unable to update the firmware on the Smart Connectors.	After unplugging the planter harness and checking it for damage, perform a Reset Modules operation from the Diagnostics Tab.
301	The system was unable to update the firmware on the Row Unit Modules. After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	The system was unable to update the firmware on the Row Unit Modules.	Move the Row Unit Module to another row connection and perform a Reset Modules to restart the update. If the problem persists, replace the Row Unit Module.
302	A memory failure has been detected on one of the Smart Connectors. To ensure data integrity, data is not available for the affected rows. Refer to the Diagnostics Tab for more details.	A memory failure has been detected on one of the Smart Connectors. To ensure data integrity, data is not available for the affected rows.	Replace the Smart Connector.
303	A Smart Connector low voltage condition has been detected. Refer to the Diagnostics Tab for more details.	A Smart Connector low voltage condition has been detected.	Check source power to the Smart Connector, 4 pin harness, power to display, and battery connections.
304	The Smart Connector has been shut down due to an internal over-voltage condition. To verify the condition, perform a Reset Modules operation from the Diagnostics Tab. If the problem persists, replace the Smart Connector.	The Smart Connector has been shut down due to an internal over-voltage condition.	To verify the condition, perform a Reset Modules operation from the Diagnostics Tab. If the problem persists, replace the Smart Connector.

Go To Event Codes

305	The Smart Connector is unable to supply 8V power to the seed tube sensors. This condition is likely due to damage to the planter harness, seed tubes, or RUMs. After checking these components, perform a Reset Modules operation from the Diagnostics Tab.	The Smart Connector is unable to supply 8V power to the seed tube sensors. This condition is likely due to damage to the planter harness, seed tubes, or RUMs.	After checking these components, perform a Reset Modules operation from the Diagnostics Tab.
306	The Smart Connector has been shut down due to an apparent short circuit in the planter harnessing. This condition is likely due to damage to the planter harness, seed tubes, or RUMs. After checking these components, perform a Reset Modules operation from the Diagnostics Tab.	The Smart Connector has been shut down due to an apparent short circuit in the planter harnessing. This condition is likely due to damage to the planter harness, seed tubes, or RUMs. After checking these components, perform a Reset Modules operation from the Diagnostics Tab.	After checking these components, perform a Reset Modules operation from the Diagnostics Tab.
307	The Smart Connector has lost communication with the Row Unit Modules. This condition is likely due to damage to the planter harness, seed tubes, or RUMs. After checking these components, perform a Reset Modules operation from the Diagnostics Tab.	The Smart Connector has lost communication with the Row Unit Modules. This condition is likely due to damage to the planter harness, seed tubes, or RUMs.	After checking these components, perform a Reset Modules operation from the Diagnostics Tab.
310	The system was unable to update the firmware on the Wave Vision sensor. After checking the planter harness, RUMs, and Wave Vision Sensors for damage, perform a Reset Modules operation from the Diagnostics Tab.	The system was unable to update the firmware on the Wave Vision sensor.	After checking the planter harness, RUMs, and Wave Vision sensors for damage, perform a Reset Modules operation from the Diagnostics Tab.
311	A Smart Connector (SC__) has lost internal communications and needs to be replaced.	The Smart Connector has lost internal communications and needs to be replaced.	
312	The spacing on hex shaft _ is very poor. Singulation and Spacing planter performance will be degraded. Check for missing or damaged teeth on any gears between the motor and meter. Check for damage on the hex shaft bearings, drive alignment, chains, and motor stability values.	Spacing on drive system _ has > 150% variation.	Check for missing or damaged teeth on any gears between the motor and meter including hex shaft bearings, drive alignment, chains, and motor stability values.
313	The Smart Connector has been shut down due to a negative current reading in the planter harness. After checking the harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	The Smart Connector has been shut down due to a negative current reading in the planter harness.	After checking the harness, perform a Reset Modules operation from the Diagnostics Tab.
314	The Smart Connector has been shut down due to an unexpected loss of power. After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	The Smart Connector has been shut down due to an unexpected loss of power.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
405	A lift switch is not present. AirForce operation will be degraded.	A lift switch is not detected. AirForce will internally estimate lift.	Ensure lift switch is connected. Check for pinched or cut wire.
407	A Row Unit Module has experienced multiple unexpected resets. Refer to the Device Status screen for more details.	A Row Unit Module has experienced multiple unexpected resets.	
409	RUM failure on Row __. Replace the RUM.	The communication line on this row is stuck high.	Replace the RUM.
411	Row __ load sensor is reading a negative load. This load cell is disabled until Load Cell Calibration is completed.	Load sensor reading is less than -10 lbs while planting. This load cell is disabled until Load Cell Calibration is completed.	Lift planter and re-zero all sensors (Setup / Systems / RUMs / Zero All).
412	Row __ load sensor reading is greater than 950 lbs. This load cell is disabled until the load cell is re-zeroed. If the problem persists, replace the load cell.	Load sensor reading is greater than 950 lbs while planting. This load cell is disabled until the load cell is re-zeroed.	Verify load sensor calibration factor (Setup / Systems / RUMs). If the problem persists, replace the load cell.
413	Excessive load variation on row __. The Load Pin is now disabled. Verify consistent depth settings. Check for row unit damage/wear and extremely rough planting conditions. If the problem persists, replace this Load Pin at your earliest convenience.	Load variation is greater than 300 lbs while planting. This load cell is now disabled.	Verify consistent depth settings.\nCheck for row unit damage/wear and extremely rough planting conditions\nIf the problem persists, replace this Load Pin at your earliest convenience.
414	Low load variation on row __ while planting. It appears the load cell is unresponsive.	Load variation is less than 4 lbs while planting.	Check for a pinched load sensor wire or failed load sensor. Check to ensure that the gauge wheels are not contacting the max depth stops.
415	Row __ load sensor reading is more than 100 lbs different from other rows. Check settings on the row (Depth, Row Cleaner Height, Down Force, etc.).	Load difference compared to all other rows is greater than 100 lbs while planting.	Verify load sensor calibration factor. Check settings on the row (Depth, Row Cleaner Height, Down Force, etc). Lift planter and re-zero all sensors (Setup / Systems / RUMs / Zero All).

Go To Event Codes

416	Row __ load cell is out of range. This load cell is disabled until the load cell is re-zeroed. If the problem persists, replace the load cell.	Load sensor reading is more than 1500 lbs. This load cell is disabled until the load cell is re-zeroed.	Verify load sensor calibration factor. Re-zero the load cells. If the problem persists, replace this load cell.
417	Row __ load cell is intermittently detected. This load cell is disabled. If the problem persists, replace the load cell.	The load cell is intermittently detected. This load cell is now disabled.	Replace this load cell at your earliest convenience.
418	The load cell on row __ has been disabled by the configuration.	The load cell on row __ has been disabled by the configuration.	Re-enable the load cell via the Down Force Calibration screen.
500	The system was unable to update the firmware on the AirForce Module. After checking the RS485 harness for damage, perform a Reset Modules operation from the Diagnostics Tab. If the problem persists, replace the AirForce Module.	The system was unable to update the firmware on the AirForce Module.	After checking the 4-Pin CAN harness for damage, perform a Reset Modules operation from the Diagnostics Tab. If the problem persists, replace the AirForce Module.
501	The system was unable to detect an AirForce Module. Do you want the system to assume that AirForce is not installed?	The system was unable to detect an AirForce Module.	Check the connections and confirm the AirForce Module is connected correctly.
502	The AirForce Module has experienced multiple unexpected resets. Refer to the Device Status screen for more details.	The AirForce Module has experienced multiple unexpected resets.	If the problem persists, check for a damaged AirForce controller harness or 4-Pin CAN harness.
503	The AirForce Module system voltage is too low. The AFM will disable when voltage drops below 8.5 Volts. Check for low battery voltage or high resistance in wiring.	The AirForce Module system voltage is too low. The AFM will disable when voltage drops below 8.1 Volts.	Check for low battery voltage.\nCheck for damage in wiring.
504	The AirForce Module system voltage is too high. Check source voltage for a possible alternator issue.	The AirForce Module system voltage is too high.	Check source voltage for a possible alternator issue.
505	The AirForce Module sensor supply voltage is too low. Pressure sensor readings will be inaccurate. Check the supply voltage to the AFM.	The AirForce Module sensor supply voltage is too low. Pressure sensor readings will be inaccurate.	Check for low battery voltage.\nCheck for damage in wiring.
506	The AirForce Module sensor supply voltage is too high. Pressure sensor readings will be inaccurate. Check the supply voltage to the AFM.	The AirForce Module sensor supply voltage is too high. Pressure sensor readings will be inaccurate.	Check source voltage for a possible alternator issue.
507	The AirForce compressor voltage is too low. The compressor will be available when voltage is above 12 Volts. Check for high resistance in the wiring.	The AirForce compressor voltage is too low. The compressor will be available when voltage is above 12 Volts.	Verify correct compressor setup.\nCheck for low battery voltage.\nCheck for damage in the compressor wiring.
508	The AirForce compressor voltage is too high.	The AirForce compressor voltage is too high.	Check source voltage for possible alternator issue.
509	The AirForce compressor coil is not present or the coil wire is shorted to ground.	If the compressor is not running when commanded, the coil wire is open. If the compressor is running all the time, the coil wire is shorted to ground - replace the wire harness.	Check for disconnected connector.\nCheck for loose terminal.\nCheck for short in the wire harness
510	The AirForce compressor voltage is too low when running. Check for high resistance in the compressor connections or wiring. Clean connections and verify source voltage	The AirForce compressor voltage is too low when running.	Check for damage in the compressor connections or wiring.\nClean connections and verify source voltage.
511	The AirForce compressor power is intermittent. Check for a loose connector or terminal.	The AirForce compressor power is intermittent.	Check for a loose power connector.\nCheck for a loose battery terminal.
512	The AirForce compressor is continuously running. Check if the compressor is connected to the diagnostic connector or if there is a shorted wire.	The AirForce compressor is continuously running.	Check if the compressor is connected to the diagnostic connector.\nCheck for shorted wire in the AirForce harness.
513	The AirForce compressor temperature sensor is shorted. The system is unable to measure the compressor temperature. Check the resistance between the wires, repair the wiring, or replace the sensor.	The AirForce compressor temperature sensor is shorted. The system is unable to measure the compressor temperature.	Check the resistance between the wires.\nRepair the wiring.\nReplace the sensor.
514	The AirForce compressor temperature sensor is open. The system is unable to measure the compressor temperature. Check for a cut wire or replace the sensor.	The AirForce compressor temperature sensor is open. The system is unable to measure the compressor temperature.	Check for a cut wire or replace the sensor.
515	The AirForce compressor temperature sensor is intermittent. Check for a loose connection or cut in the wiring.	The AirForce compressor temperature sensor is intermittent.	Check for a loose connection or cut in the wiring.
516	The AirForce compressor temperature is too high.	The AirForce compressor temperature is too high.	If the compressor is continuously running, check for an air leak.
517	The AirForce compressor is getting hot.	The AirForce compressor is getting hot.	If the compressor is continuously running, check for an air leak.

Go To Event Codes

518	The AirForce tank pressure sensor voltage is shorted low. Check for a disconnected sensor, short between sense wire and ground, a cut power wire, or a cut sense wire.	The AirForce tank pressure sensor voltage is shorted low.	Check for disconnected sensor.\nCheck for a short between sense wire and ground.\nCheck for a cut power wire.\nCheck for a cut sense wire.
519	The AirForce tank pressure sensor voltage is too high. Check for a short between sense wire and power or a cut ground wire.	The AirForce tank pressure sensor voltage is too high.	Check for a short between sense wire and power.\nCheck for a cut ground wire.
520	The AirForce tank pressure has exceeded its pressure limit.	The AirForce tank pressure has exceeded its pressure limit.	Confirm enclosure gauge pressure equals the pressure on the 20/20.\nConfirm increase solenoids are closing properly.\nIf pressure did not exceed 300 psi the sensor is not damaged.\nIf pressure sensor exceeded 300 psi replace the sensor.
521	The AirForce tank pressure has fallen below its pressure range.	The AirForce tank pressure has fallen below its pressure range.	Confirm enclosure gauge pressure equals the pressure on the 20/20.\nConfirm increase solenoids are closing properly.\nCheck for high resistance on the sense wire.\nReplace sensor if no wiring concerns.
522	The AirForce tank pressure is intermittent. Check for a loose pressure sensor connection, wire harness damage, or a loose terminal.	The AirForce tank pressure is intermittent.	Check for a loose pressure sensor connection.\nCheck for wire harness damage or a loose terminal.
523	The AirForce down pressure sensor voltage is shorted low. Check for a disconnected sensor, short between sense wire and ground, a cut power wire, or a cut sense wire.	The AirForce down pressure sensor voltage is shorted low.	Check for disconnected sensor.\nCheck for a short between sense wire and ground.\nCheck for a cut power wire.\nCheck for a cut sense wire.
524	The AirForce down pressure sensor voltage is too high. Check for a short between sense wire and power or a cut ground wire.	The AirForce down pressure sensor voltage is too high.	Check for a short between sense wire and power.\nCheck for a cut ground wire.
525	The AirForce down pressure has exceeded its pressure limit.	The AirForce down pressure has exceeded its pressure limit.	Confirm that the enclosure gauge pressure equals the pressure on the 20/20.\nConfirm that the increase solenoid is closing properly.\nIf pressure did not exceed 300 psi, the sensor is not damaged.\nIf pressure sensor exceeded 300 psi, replace the sensor.
526	The AirForce down pressure has fallen below its pressure range.	The AirForce down pressure has fallen below its pressure range.	Confirm that the enclosure gauge pressure equals the pressure on the 20/20.\nConfirm that the vent solenoid is closing properly.\nCheck for high resistance on the sense wire.\nReplace the sensor if no wiring concerns.
527	The AirForce down pressure is intermittent. Check for a loose pressure sensor connection, wire harness damage, or a loose terminal.	The AirForce down pressure is intermittent.	Check for a loose pressure sensor connection.\nCheck for wire harness damage or a loose terminal.
528	The AirForce lift pressure sensor voltage is shorted low. Check for a disconnected sensor, short between sense wire and ground, a cut power wire, or a cut sense wire.	The AirForce lift pressure sensor voltage is shorted low.	Check for disconnected sensor.\nCheck for a short between sense wire and ground.\nCheck for a cut power wire.\nCheck for a cut sense wire.
529	The AirForce lift pressure sensor voltage is too high. Check for a short between sense wire and power or a cut ground wire.	The AirForce lift pressure sensor voltage is too high.	Check for a short between sense wire and power.\nCheck for a cut ground wire.
530	The AirForce lift pressure has exceeded its pressure limit.	The AirForce lift pressure has exceeded its pressure limit.	Confirm that the enclosure gauge pressure equals the pressure on the 20/20.\nConfirm that the increase solenoid is closing properly.\nIf pressure did not exceed 300 psi, the sensor is not damaged.\nIf pressure sensor exceeded 300 psi, replace the sensor.
531	The AirForce lift pressure has fallen below its pressure range.	The AirForce lift pressure has fallen below its pressure range.	Confirm that the enclosure gauge pressure equals the pressure on the 20/20.\nConfirm that the vent solenoid is closing properly.\nCheck for high resistance on the sense wire.\nReplace the sensor if no wiring concerns.
532	The AirForce lift pressure is intermittent. Check for a loose pressure sensor connection, wire harness damage, or a loose terminal.	The AirForce lift pressure is intermittent.	Check for a loose pressure sensor connection.\nCheck for wire harness damage or a loose terminal.

Go To Event Codes

533	The AirForce down increase solenoid is not present. The system is unable to build down pressure. Check for a loose or disconnected solenoid pin or connector.	The AirForce down increase solenoid is not present. The system is unable to build down pressure.	Check for a loose or disconnected solenoid pin or connector.
534	The AirForce down increase solenoid power is intermittent. Check for a loose connector or terminal.	The AirForce down increase solenoid power is intermittent.	Check for loose connector.\nCheck for loose terminal.
535	The AirForce down pressure is increasing slowly or is unresponsive. Check for a leak in the circuit or blockage in the manifold.	The AirForce down pressure has increased less than 3 psi with 4 consecutive requests.	Confirm the solenoid is energized and provides no pressure change.\nCheck for a leak in the circuit.\nCheck for blockage in the manifold.
536	The system detected a down increase solenoid even though the AirForce System Type is LIFT ONLY. The system will be disabled until the problem is corrected.	The system detected a down increase solenoid even though the AirForce System Type is LIFT ONLY. The system will be disabled until the problem is corrected.	Confirm the solenoid wire is connected correctly.
537	The AirForce down vent solenoid is not present. The system is unable to control down pressure. Check for a loose or disconnected solenoid pin or connector.	The AirForce down vent solenoid is not present. The system is unable to control down pressure.	Check for a loose or disconnected solenoid pin or connector.
538	The AirForce down vent solenoid power is intermittent. Check for a loose connector or terminal.	The AirForce down vent solenoid power is intermittent.	Check for loose connector.\nCheck for loose terminal.
539	The AirForce down pressure is decreasing slowly or is unresponsive. Check for a leak in the circuit or blockage in the manifold.	The AirForce down pressure has decreased less than 3 psi with 4 consecutive requests.	Confirm the solenoid is energized and provides no pressure change.\nCheck for blockage in the manifold.
540	The system detected a down vent solenoid even though the AirForce System Type is LIFT ONLY. The system will be disabled until the problem is corrected.	The system detected a down vent solenoid even though the AirForce System Type is LIFT ONLY. The system will be disabled until the problem is corrected.	Confirm the solenoid wire is connected correctly.
541	The AirForce lift increase solenoid is not present. The system is unable to build lift pressure. Check for a loose or disconnected solenoid pin or connector.	The AirForce lift increase solenoid is not present. The system is unable to build lift pressure.	Check for a loose or disconnected solenoid pin or connector.
542	The AirForce lift increase solenoid power is intermittent. Check for a loose connector or terminal.	The AirForce lift increase solenoid power is intermittent.	Check for loose connector.\nCheck for loose terminal.
543	The AirForce lift pressure is increasing slowly or is unresponsive. Check for a leak in the circuit or blockage in the manifold.	The AirForce lift pressure has increased less than 3 psi with 4 consecutive requests.	Confirm the solenoid is energized and provides no pressure change.\nCheck for a leak in the circuit.\nCheck for blockage in the manifold.
544	The system detected a lift increase solenoid even though the AirForce System Type is DOWN ONLY. The system will be disabled until the problem is corrected.	The system detected a lift increase solenoid even though the AirForce System Type is DOWN ONLY. The system will be disabled until the problem is corrected.	Confirm the solenoid wire is connected correctly.
545	The AirForce lift vent solenoid is not present. The system is unable to control lift pressure. Check for a loose or disconnected solenoid pin or connector.	The AirForce lift vent solenoid is not present. The system is unable to control lift pressure.	Check for a loose or disconnected solenoid pin or connector.
546	The AirForce lift vent solenoid power is intermittent. Check for a loose connector or terminal.	The AirForce lift vent solenoid power is intermittent.	Check for loose connector.\nCheck for loose terminal.
547	The AirForce lift pressure is decreasing slowly or is unresponsive. Check for a leak in the circuit or blockage in the manifold.	The AirForce lift pressure has decreased less than 3 psi with 4 consecutive requests.	Confirm the solenoid is energized and provides no pressure change.\nCheck for blockage in the manifold.
548	The system detected a lift vent solenoid even though the AirForce System Type is DOWN ONLY. The system will be disabled until the problem is corrected.	The system detected a lift vent solenoid even though the AirForce System Type is DOWN ONLY. The system will be disabled until the problem is corrected.	Confirm the solenoid wire is connected correctly.
549	A major leak was detected in the AirForce tank circuit. Check for a disconnected air line or fitting.	A major leak was detected in the AirForce tank circuit.	Check for a disconnected air line or fitting.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.
550	A slow leak was detected in the AirForce tank circuit. Check for leaks in the air line connections or fittings. Check for loose or worn fittings.	A slow leak was detected in the AirForce tank circuit.	Check for leaks in the air line connections or fittings.\nCheck for loose or worn fittings.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.

Go To Event Codes

551	The AirForce system detected a pressure increase in the tank circuit when an increase was not commanded.	The AirForce system detected a pressure increase in the tank circuit when an increase was not commanded.	Check for harness short or debris stuck in hydraulic manifold.
552	The AirForce tank pressure is unresponsive when the compressor is running. Check the tank for leaks.	The AirForce tank pressure is unresponsive when the compressor is running.	Confirm the compressor is energized and provides no pressure change.\nCheck the tank for leaks.
553	Drain the water separator and the water from the tank.	Drain the water separator and the water from the tank after every 4 hours of compressor run time.	
554	The AirForce tank circuit pressure is excessively high. Confirm that the compressor is not connected to the jumper wire and check for a short on the compressor relay wire.	The AirForce tank circuit pressure is excessively high.	Confirm that the compressor is not connected to the jumper wire.\nCheck for a short on the compressor relay wire.
555	A major leak was detected in the AirForce down circuit. Check for a disconnected air line or fitting.	A major leak was detected in the AirForce down circuit.	Check for a disconnected air line or fitting.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.
556	A slow leak was detected in the AirForce down circuit. Check for leaks in the air line connections or fittings. Check for loose or worn fittings.	A slow leak was detected in the AirForce down circuit.	Check for leaks in the air line connections or fittings.\nCheck for loose or worn fittings.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.
557	The AirForce system detected a pressure increase in the down circuit when an increase was not commanded.	The AirForce system detected a pressure increase in the down circuit when an increase was not commanded.	Run the Plumbing and Wiring Health Check routine to confirm plumbing is not crossed.
558	The AirForce down circuit pressure is excessively high. Confirm that the increase solenoid is not connected to the jumper wire and is not shorted.	The AirForce down circuit pressure is excessively high.	Confirm that the increase solenoid is not connected to the jumper wire.\nCheck for short on the increase solenoid wire.
559	A major leak was detected in the AirForce lift circuit. Check for a disconnected air line or fitting.	A major leak was detected in the AirForce lift circuit.	Check for a disconnected air line or fitting.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.
560	A slow leak was detected in the AirForce lift circuit. Check for leaks in the air line connections or fittings. Check for loose or worn fittings.	A slow leak was detected in the AirForce lift circuit.	Check for leaks in the air line connections or fittings.\nCheck for loose or worn fittings.\nRun the Leak Detection Health Check routine to confirm leak has been corrected.
561	The AirForce system detected a pressure increase in the lift circuit when an increase was not commanded.	The AirForce system detected a pressure increase in the lift circuit when an increase was not commanded.	Run the Plumbing and Wiring Health Check routine to confirm plumbing is not crossed.
562	The AirForce lift circuit pressure is excessively high. Confirm that the increase solenoid is not connected to the jumper wire and is not shorted.	The AirForce lift circuit pressure is excessively high.	Confirm that the increase solenoid is not connected to the jumper wire.\nCheck for short on the increase solenoid wire.
563	The AirForce tank pressure is building more slowly than expected. Check the tank for leaks.	The AirForce tank pressure is building more slowly than expected.	Check the tank for leaks.\nRebuild the compressor head to improve the pressure build rate of the compressor.
564	The AirForce manifold check valve is leaking excessively.	The AirForce manifold check valve is leaking excessively.	
565	The desired applied down force from the AirForce system is exceeding the weight of the planter bar. Increase the weight of the planter bar or limit the max applied down force setting on the AirForce Setup screen.	The desired applied down force from the AirForce system is exceeding the weight of the planter bar.	Increase the weight of the planter bar.\nLimit the max applied down force setting on the AirForce Setup screen.
566	The AirForce lift air bag pressure is consistently high through 90% of the last 2 passes. Consider decreasing the down spring force.	The AirForce lift air bag pressure is consistently high through 90% of the last 2 passes.	Consider decreasing the down spring force.
567	The AirForce lift air bag pressure is consistently low through 90% of the last 2 passes. Consider increasing the down spring force.	The AirForce lift air bag pressure is consistently low through 90% of the last 2 passes.	Consider increasing the down spring force.
568	The AirForce compressor is disabled because the duty cycle is greater than the maximum limit.	The AirForce compressor duty cycle is greater than the maximum duty cycle set in the AirForce configuration.	Confirm that the maximum duty cycle is set correctly.\nRun the system in manual mode until the compressor duty cycle has decreased.
569	The AirForce compressor temperature sensor is unresponsive.	The change in AirForce compressor temperature over the past 4 tank fills is less than 5 degrees.	Check for a loose compressor temperature sensor.
584	The planter AirForce system settings indicate that neither down nor lift airbags are present. From the main screen, select Setup / Aux / AirForce to set up the air bag type.	The planter AirForce system settings indicate that neither down nor lift airbags are present.	From the main screen, select Setup / Aux / AirForce to set up the air bag type.

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588	AirForce has been disabled! Manual AirForce mode is available but automatic AirForce modes are disabled due to not having enough active load cells. Consider adding more load cells.	Automatic AirForce modes are disabled due to not having enough active load cells.	Consider re-enabling load cells after their problems have been resolved or add more load cells.
589	The RUM lift switch shows lifted while planting. AirForce will not make changes until the planter is lowered. See the System Log for more details.	The RUM lift switch has shown lifted while planting for the past 30 seconds.	Check the mounting of the lift switch. The button should become completely depressed when lifted. If no solution is found, unplug the lift switch. AirForce will still continue to operate with decreased performance.
700	The system was unable to update the firmware on the RowFlow Module. After checking the RowFlow base and CAN harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	RFM__:The system was unable to update the firmware on the RowFlow Module.	After checking the RowFlow base and CAN harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
701	RFM__:The system was unable to detect the RowFlow Module. Do you want the system to assume that RowFlow is not installed?	RFM__:The system was unable to detect the RowFlow Module.	Check the connections and confirm the RowFlow Module is connected correctly.
702	RFM__:Unexpected RowFlow Module reset. Check the RFM voltage on the RFM Diagnostics screen.	RFM__:The RowFlow Module has experienced multiple unexpected resets.	Check for a short in the RowFlow CAN harness
703	RFM__:The RowFlow Module voltage is less than 9.5 volts.	RFM__:The RowFlow Module voltage is less than 9.5 volts. Control will be disabled until the voltage is greater than 11 volts.	Confirm that the round 9 pin connector to the RowFlow Module is secure.\nCheck the tractor voltage.\nCheck for RowFlow CAN harness damage.
704	The RowFlow Module voltage is greater than 17.5 volts. Check Source voltage. If the problem persists, replace the RFM Base Harness.	RFM__:The RowFlow Module voltage is greater than 17.5 volts. Control will be disabled until the voltage is less than 15 volts.	Check source voltage. If the problem persists, replace the RFM Base Harness.
705	No Acceleration was detected when planting started. This will delay motor control, and may leave an unplanted area. Consider using the 'Low Speed Start' button, accelerating more quickly, or adding a secondary speed source.	The Planter started moving but no acceleration was detected. Motors were started based upon a single speed source after 4 seconds.	Ensure RFM Orientation is set correctly in RowFlow setup.\nAdd the Low Speed Start button to the dashboard and use it each time you start from a stopped position.\nAdd a secondary speed source.
706		The Planter started moving, but no accelerations were detected. Motors were started based upon both Radar and GPS speed. Ensure RFM Orientation is set correctly in the RowFlow setup. If the issue persists, replace the RFM.	Ensure RFM Orientation is set correctly in RowFlow setup.\nAdd the Low Speed Start button to the dashboard and use it each time you start from a stopped position.\nIf the problem persists, replace the RFM.
707	A RowFlow motor has been detected but is not setup. To setup variable rate motor see Setup/System/RowFlow/Motor Configuration	A RowFlow motor has been detected but is not setup. To setup variable rate motor see Setup/System/RowFlow/Motor Configuration	Confirm that the motors have been setup.\nOn the Diagnose Page press Reset Modules
710	RFM__:The RowFlow auxiliary supply voltage is less than 9.5 volts.	RFM__:The RowFlow auxiliary supply voltage is less than 9.5 volts. Control will be disabled until the auxiliary supply voltage is greater than 13 volts. Auxiliary power supplies power to the variable rate motors and the clutches if installed.	Confirm that the auxiliary power connector to the RowFlow Module is secure.\nCheck for damage in the wiring.\nCheck battery and power harness connections.
711	RFM__:The RowFlow auxiliary supply voltage is greater than 17.5 volts.	RFM__:The RowFlow auxiliary supply voltage is greater than 17.5 volts. Control will be disabled until the auxiliary supply voltage is less than 15 volts. Auxiliary power supplies power to the variable rate motors and the clutches if installed.	Check alternator for problems.\nCheck auxiliary power harness for damage.
712	RFM__:CAN Ground or Auxiliary Ground have high resistance or are disconnected	RFM__:Voltage measured between Auxiliary Ground and CAN Ground is greater than 2 volts.	Check for a damaged Auxiliary or CAN ground wire to the RFM.\nConfirm that the Auxiliary wire harness is not damaged and is securely connected.\nCheck for a loose or disconnected wire on pin T2 or Y3 on the RFM connector
713	RFM__:The RowFlow Module current draw is too high.	RFM__:The RowFlow Module current draw is greater than 20 amps.	One RFM has a max clutch output of 36 physical clutches. Check for damage on the output wiring from the RFM.\nCheck for pinched or shorted output wiring from the RFM.
714	RFM__:The RowFlow Module current draw on auxiliary supply A is too high.	RFM__:The RowFlow Module current draw on auxiliary supply A is greater than 1.2 amps per clutch section, greater than 1.8 amps per motor, or greater than 20 amps for RFM.	For the sections powered by auxiliary supply A:\nCheck for damage in the wiring.\nCheck for a pinched or shorted power wire.\nNote: Press volt A in the RF diagnose page to determine what is powered by Supply A

716	RFM__:The RowFlow Module current draw on auxiliary supply B is too high.	RFM__:The RowFlow Module current draw on auxiliary supply B is greater than 1.2 amps per clutch section, greater than 1.8 amps per motor, or greater than 20 amps for RFM.	For the sections powered by auxiliary supply B:\nCheck for damage in the wiring.\nCheck for a pinched or shorted power wire.\nNote: Press volt B in the RF diagnose page to determine what is powered by Supply B
732	RFM__:Low tank pressure, expect slow clutch response	RFM__:Tank pressure is less than 40 psi. This may affect clutch timing.	Enable AirForce to enable the air compressor
736	RFM__:Height Sensor is not present but is recommended for Variable Rate planting	RFM__:Height Sensor or lift switch is not detected	Ensure the sensor is securely attached\nCheck for a pinched or loose wire
737	False lift condition detected. Intermittent hydraulic motor stops may have occurred. See System Log for more details.	The lifted state has been detected for periods less than 2 seconds	Check lift switch harness for pinched or damage wires.\nCheck lift switch for incorrect installation and adjustment.
738	RFM__:A Height Sensor is not needed if variable rate is not being used	RFM__:Height sensor is configured but hydraulic motors are not configured	Configure the Hydraulic motors if Variable Rate will be used.\nSet all Height sensor calibration values to 0 to indicate height sensor is not present.
742	RFM__:Radar and GPS Unstable	RFM__:Both GPS and Radar speeds are unstable.	
743	RFM__:The primary speed source is unstable. The system is now using the secondary speed source.	RFM__:Since the primary speed source has been unstable for more than 10 seconds, the RowFlow system will use secondary speed source.	
744	The RFM orientation does not match the selected configuration. Performance will be degraded. Go to orientation setup page?	The accelerometer data indicates that the RFM orientation does not match the selected configuration.	Check the RFM orientation selection in Setup - Systems - RowFlow Setup - RFM Direction. If the problem persists, replace RFM.
745	RFM__:All of the accelerometers are out of range and are no longer being used.	RFM__:Acceleration from all of the accelerometers has been greater than 40 ft/s or less than -40 ft/s for more than 20 seconds.	Replace the RowFlow Module.
746	The RowFlow hydraulic pressure sensor voltage is too low.	The RowFlow hydraulic pressure sensor voltage is less than 0.2 volts.	Please ensure that you have a pressure sensor installed. If so, please:\nCheck for a disconnected sensor.\nCheck for a short from the sense wire to ground.\nCheck for a cut sense wire.\nReplace the sensor.
747	The RowFlow hydraulic pressure sensor voltage is too low.	The RowFlow hydraulic pressure sensor voltage is less than 0.2 volts.	Please ensure that you have a pressure sensor installed. If so, please:\nCheck for a disconnected sensor.\nCheck for a short from the sense wire to ground.\nCheck for a cut sense wire.\nReplace the sensor.
748	The RowFlow hydraulic pressure sensor voltage is too low.	The RowFlow hydraulic pressure sensor voltage is less than 0.2 volts.	Please ensure that you have a pressure sensor installed. If so, please:\nCheck for a disconnected sensor.\nCheck for a short from the sense wire to ground.\nCheck for a cut sense wire.\nReplace the sensor.
749	The RowFlow hydraulic pressure sensor voltage is too high.	The RowFlow hydraulic pressure sensor voltage is greater than 4.8 volts.	Check for a short between the sense wire and power.\nReplace the sensor.
750	The RowFlow hydraulic pressure sensor voltage is too high.	The RowFlow hydraulic pressure sensor voltage is greater than 4.8 volts.	Check for a short between the sense wire and power.\nReplace the sensor.
751	The RowFlow hydraulic pressure sensor voltage is too high.	The RowFlow hydraulic pressure sensor voltage is greater than 4.8 volts.	Check for a short between the sense wire and power.\nReplace the sensor.
752	The RowFlow hydraulic pressure is unexpected. Check for a short in the wiring to the pressure sensor or height sensor	The RowFlow hydraulic pressure sensor output is greater than 0.5 V but a hydraulic motor is not detected.	Check for a short in the wiring to the pressure sensor or height sensor.\nConfirm operation of other pressure sensors
753	The RowFlow hydraulic pressure is unexpected. Check for a short in the wiring to the pressure sensor or height sensor	The RowFlow hydraulic pressure sensor output is greater than 0.5 V but a hydraulic motor is not detected.	Check for a short in the wiring to the pressure sensor or height sensor.\nConfirm operation of other pressure sensors
754	The RowFlow hydraulic pressure is unexpected. Check for a short in the wiring to the pressure sensor or height sensor	The RowFlow hydraulic pressure sensor output is greater than 0.5 V but a hydraulic motor is not detected.	Check for a short in the wiring to the pressure sensor or height sensor.\nConfirm operation of other pressure sensors
755	One or more of the configured variable rate drives is not present.	One or more of the configured variable rate drives is not present.	Check for a loose or disconnected motor harness.
756	One or more of the configured variable rate drives is not present.	One or more of the configured variable rate drives is not present.	Check for a loose or disconnected motor harness.
757	One or more of the configured variable rate drives is not present.	One or more of the configured variable rate drives is not present.	Check for a loose or disconnected motor harness.
758	Motor __ rotation was detected without being commanded. RowFlow has been disabled.	Rotation was detected the motor without being commanded.	Check to see if motor is actually spinning with PWM = 0. If the motor is spinning:\n- Flush out the valve - debris may be holding it open.\n- Check for a damaged motor harness.\nIf the motor was not spinning:\n- Check for damaged sensor wiring (pressure, speed, or height sensor).\n- Replace the motor speed encoder.

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759	Motor __ rotation was detected without being commanded. RowFlow has been disabled.	Rotation was detected the motor without being commanded.	Check to see if motor is actually spinning with PWM = 0. If the motor is spinning:\n- Flush out the valve - debris may be holding it open.\n- Check for a damaged motor harness.\nIf the motor was not spinning:\n- Check for damaged sensor wiring (pressure, speed, or height sensor).\n- Replace the motor speed encoder.
760	Motor __ rotation was detected without being commanded. RowFlow has been disabled.	Rotation was detected the motor without being commanded.	Check to see if motor is actually spinning with PWM = 0. If the motor is spinning:\n- Flush out the valve - debris may be holding it open.\n- Check for a damaged motor harness.\nIf the motor was not spinning:\n- Check for damaged sensor wiring (pressure, speed, or height sensor).\n- Replace the motor speed encoder.
764	Motor __ is unresponsive. Confirm that the hydraulics are turned on.	The actual RPM for the motor was less than 5 RPM when the command RPM was greater than the minimum for 10 seconds.	Confirm that the hydraulics are turned on.\nEnsure that the drive line is not locked.\nCheck for a cut or pinched wire.\nEnsure that Hydraulic flow direction is correct.\nCheck speed sensor.
765	Motor __ is unresponsive. Confirm that the hydraulics are turned on.	The actual RPM for the motor was less than 5 RPM when the command RPM was greater than the minimum for 10 seconds.	Confirm that the hydraulics are turned on.\nEnsure that the drive line is not locked.\nCheck for a cut or pinched wire.\nEnsure that Hydraulic flow direction is correct.\nCheck speed sensor.
766	Motor __ is unresponsive. Confirm that the hydraulics are turned on.	The actual RPM for the motor was less than 5 RPM when the command RPM was greater than the minimum for 10 seconds.	Confirm that the hydraulics are turned on.\nEnsure that the drive line is not locked.\nCheck for a cut or pinched wire.\nEnsure that Hydraulic flow direction is correct.\nCheck speed sensor.
767	VR Motor __ Poor Stability	The motor is operating outside of the normal control limits.	Check Drive Line for possible issues including chains, bearings, clutches and meters.\nCheck hydraulic flow.
768	VR Motor __ Poor Stability	The motor is operating outside of the normal control limits.	Check Drive Line for possible issues including chains, bearings, clutches and meters.\nCheck hydraulic flow.
769	VR Motor __ Poor Stability	The motor is operating outside of the normal control limits.	Check Drive Line for possible issues including chains, bearings, clutches and meters.\nCheck hydraulic flow.
775	RFM__:Poor communication with the RowFlow Module was detected.	RFM__:The CAN communication between the Display Unit and the RowFlow Module has greater than 15% errors.	Unplug the CAN connector from the RFM for 30 seconds and then reconnect.\nCheck for a short in the communication wires
776	Some of the configured clutches are not detected.	The following clutch sections are configured as a swath sections but no clutch coils were detected:	Confirm that the swath configuration is correct.\nConfirm all clutches are connected.\nCheck for shorts or cuts in the wiring.
777	Unexpected clutches were detected on some sections.	The following clutch sections are not configured as a swath sections but clutch coils were detected:	Confirm that the swath configuration is correct.
778	The clutch on row __ is responding slowly. Check for a pinched airline or replace the clutch.	The time to start or stop the clutch is two times larger than the average of all of the other clutches	Check for a restricted air line.\nCheck for a damaged wire\nReplace the clutch.
779	Unexpected Seeds on Row __. This appears to be a clutch failure. Please check the System Log by pressing Setup Diagnose.	Seeds are detected on the row when the clutch is being commanded on (not planting).	Check for a pinched air line.\nCheck for a disconnected or cut wire.\nCheck for a failed clutch.
780	The system is unable to determine the primary RowFlow Module. Replace the RFM.	The RowFlow Module that is currently attached is not identified as the Primary RFM. If multiple RFMs are attached, neither is identified as the Primary RFM.	Disconnect the identification connector for the Secondary RFM (spade connector on Connection A going into the RFM).\nConnect the identification connector for the Primary RFM.\nReplace the RFM if only one RFM is attached.
781	Mapping Disabled due to Unstable GPS		Check GPS source quality.
782	No seeds were detected.	No seeds were detected during the load procedure.	Confirm that the vacuum is on.\nConfirm that the meters are filled with seed.
783	No seed - unable to calibrate.	The system was not able to calibrate because the time between seeds is greater than 800 ms.	Fill the hoppers with seed and rerun the test.\nFor vacuum planters, confirm that the vacuum is turned on.
784	Radar is not calibrated. Go to Setup - Systems - RowFlow Setup - Motor Configuration - Radar State to calibrate the Radar.	Radar pulses are identified and variable rate motors are configured but the Radar has not been calibrated.	Calibrate your Radar from the Motor Configuration button on the RowFlow Setup page.
785	GPS and Radar speeds differ by more than 0.5 mph.	GPS and Radar speeds differ by more than 0.5 mph.	Recalibrate Radar.

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786	The lift switch shows 'Lifted' while planting. If you do not have a lift switch, clear the lift switch calibration on the RowFlow motor configuration screen.	The lift switch indicates planter was lifted for more than 30 seconds while planting.	Check the lift switch calibrations. Check the power going to the lift sensor. If you do not have a lift switch, clear the lift switch calibration.
787	The height switch reading is outside of the calibrated range. Go to Setup - Systems - RowFlow Setup - Motor Configuration - Lift Switch to recalibrate.	The height switch reading is more than 5% outside of the calibrated range.	Go to Setup - Systems - RowFlow Setup - Motor Configuration - Lift Switch to recalibrate.
789	The RowFlow Liquid motor speed is being limited due to the max pump rpm setting.	Motor speed has been limited for the last 10 seconds.	Consider increasing the displacement of your pump, slowing down, or reducing your target rate.
790	The flow sensor is not reporting flow when the pump motor is spinning.		Check the connections to the flow sensor, and check the hose between the pump and the rows.
791	The measured flow is less than half of the desired rate.		Check to ensure that the desired rate is set, and ensure that the liquid system is operating correctly.
800	The system was unable to update the firmware on the Cab Control Module. After checking the tractor harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	The system was unable to update the firmware on the Cab Control Module.	After checking the tractor harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
801	The system was unable to detect an Cab Control Module. Do you want the system to assume that CCM is not installed?	The system was unable to detect an Cab Control Module.	Check the connections and confirm the Cab Control Module is connected correctly.
802	The Cab Control Module has experienced multiple unexpected resets. Refer to the Device Status screen for more details.	The Cab Control Module has experienced multiple unexpected resets.	
803	The Cab Control Module voltage is less than 9.5 volts.	The Cab Control Module will be disabled until the voltage is greater than 11 volts.	Check the tractor voltage. Check for high resistance in the tractor harness.
804	The Cab Control Module voltage is greater than 17.5 volts.	The Cab Control Module will be disabled until the voltage is less than 15 volts.	
805	The Cab Control Module is not able to supply 12V power for Radar and GPS.	The Cab Control Module is not able to supply 12V power for Radar and GPS.	Replace the CCM module.
806	The Cab Control Module 12V power output for Radar and GPS is shorted to ground.	The Cab Control Module 12V power output for Radar and GPS is shorted to ground.	Replace the CCM module.
807	The Radar speed is unstable. Confirm that it is calibrated correctly and mounted solidly.	The Radar speed is either changing rapidly or is outside the expected range compared to the GPS speed.	Confirm that the Radar is connected to the CCM module. Confirm that the Radar is mounted solidly.
808	The radar system has become unstable 5 times in 20 seconds. It has been disabled to prevent the planter from controlling to an incorrect speed. To restore do a Reset Modules.	The radar system has become unstable 5 times in 20 seconds. It has been disabled to prevent the planter from controlling to an incorrect speed. To restore do a Reset Modules.	Confirm that the radar cable is securely connected to the CCM. Remove any radar splitters that might be connecting to other accessories. Remove any debris that might be obstructing the radar module on the tractor.
900	The system was unable to update the firmware on SRMONROW ___. Check for a wiring harness problem or a failed SRM module.	The system was unable to update the firmware on SRMONROW ___.	Check for a wiring harness problem or a failed SRM module.
901	The system has lost communication with the SRMONROW ___.	The system was unable to communicate with the SRMONROW ___.	Check for a wiring harness problem or a failed SRM.
902	The SRMONROW __ has experienced an unexpected reset. Refer to the diagnostic page.	The SRMONROW __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
903	The Load Pin on ROWORSRM __ is missing intermittently. Check connections or replace Load Pin.	Missing Load Pin: ROWORSRM __ is showing an open input on the Load Pin strain input.	Confirm connection to Load Pin. Check row unit harnessing for damage.
904	The Load Pin on ROWORSRM __ is reading negative. Re-zero Load Pin. If problem persists, replace.	Load Pin on ROWORSRM __ is exhibiting a negative Load Pin value.	Re-zero Load Pin. If problem persists, replace Load Pin.
905	DeltaForce Solenoid on ROWORSRM __ is not detected.	DeltaForce Solenoid on ROWORSRM __ is not detected.	Confirm connection to Solenoid. Check row unit harnessing for damage.
906	Loss of Lift Switch on ROWORSRM __	The Lift Switch on ROWORSRM __ has been disconnected.	Confirm connection to Lift Switch. Check row unit harnessing for damage.
907	Intermittent Lift Switch detected on ROWORSRM __	The Lift Switch connected on ROWORSRM __ is exhibiting erratic behavior.	Confirm connection to Lift Switch. Check row unit harnessing for damage.

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908	DeltaForce Load Cell reading on ROWORSRM __ is too heavy	DeltaForce Load Cell reading on ROWORSRM __ is too heavy.	Confirm DeltaForce target settings.
909	DeltaForce Load Cell reading on ROWORSRM __ is too light	DeltaForce Load Cell reading on ROWORSRM __ is too light.	Confirm DeltaForce target settings.
910	DeltaForce on ROWORSRM __ is responding too heavy	DeltaForce on ROWORSRM __ is responding too heavy.	Send FieldView map to deltaforce@precisionplanting.com
911	DeltaForce on ROWORSRM __ is responding too light	DeltaForce on ROWORSRM __ is responding too light.	Send FieldView map to deltaforce@precisionplanting.com
912	The Load Pin on on ROWORSRM __ is reading excessively heavy. Re-zero Load Pin. If problem persists, replace.	Load Pin on on ROWORSRM __ is exhibiting an excessive positive Load Pin value.	Re-zero Load Pin. If problem persists, replace.
913	Excessive load variation on ROWORSRM __. This Load Cell is now disabled. Please re-zero Load Cell or check for damage.	Large Load Cell variation detected on ROWORSRM __ while planting.	Replace this Load Cell at your earliest convenience.
914	The Load Pin on ROWORSRM __ is not responding. Ensure that the Load Pin is properly installed. If problem persists, replace	Low Load Pin variation on ROWORSRM __. Load variation is less than 4 lbs while planting.	Check for a pinched load sensor wire or failed load sensor. Check to ensure that the gauge wheels are not contacting the max depth stops.
915	The planter lift switch has shown lifted for a short amount of time. Row Unit control is disabled when planter is lifted. Confirm lift switch performance.	The planter lift switch has shown lifted for a short amount of time. Row Unit control is disabled when planter is lifted. Confirm lift switch performance.	Consider adding additional lift switches or recalibrating.
916	The Load Pin on ROWORSRM __ is calibrated out of range. Re-zero Load Pin. If the problem persists, replace.	The Load Cell on ROWORSRM __ reference value is out of range.	Please raise the planter and re-zero the Load Pin or replace the load pin.
917	ROWORSRM __ Load Cell reading is more than 100 lbs different from other rows. Check settings on the row (Depth, Row Cleaner Height, Down Force, etc.).	Load difference compared to all other rows is greater than 100 lbs while planting.	Verify Load Cell calibration factor. Check settings on the row (Depth, Row Cleaner Height, Down Force, etc). Lift planter and re-zero all sensors (Setup / Systems / RUMs / Zero All).
918	ROWORSRM __ Load Cell reading is out of range. This Load Cell is disabled until the Load Cell is re-zeroed. If the problem persists, replace the Load Cell.	Load Cell reading is more than 950 lbs. This Load Cell is disabled until the Load Cell is re-zeroed.	Verify Load Cell calibration factor. Re-zero the Load Cells. If the problem persists, replace this Load Cell.
919	ROWORSRM __ Load Cell is intermittently detected. This Load Cell is disabled. If the problem persists, replace the Load Cell.	The Load Cell is intermittently detected. This Load Cell is now disabled.	Replace this Load Cell at your earliest convenience.
920	ROWORSRM __ Load Cell reference value is too low. This Load Cell is disabled until the Load Cell is re-zeroed. If the problem persists, replace the Load Cell.	ROWORSRM __ Load Cell reference value is too low	Re-zero the Load Cell, or replace the Load Cell.
921	DeltaForce Supply Pressure is low. Confirm proper connection to tractor hydraulics.	DeltaForce Supply Pressure is low.	Confirm proper connection to tractor hydraulics.
922	DeltaForce Supply Pressure missing	DeltaForce Supply Pressure is not detected.	Confirm harness connection to pressure sensor.
924	SRMONROW __ supply voltage has dropped below 9.5V, please check battery/alternator voltage and power harness.	SRMONROW __ supply voltage has dropped below 9.5V	Please check battery/alternator voltage and power harness.
925	SRMONROW __ supply voltage has dropped to between 9.5V and 10.5V	SRMONROW __ supply voltage has dropped to between 9.5V and 10.5V	Please check battery/alternator voltage and power harness.
926	SRMONROW __ booted up or reset but no seed sensor was detected	SRMONROW __ booted up or reset but no seed sensor was detected	The SRM must be reset with a seed sensor connected to it.
927	During operation the AUX ID on SRMONROW __ has changed to another valid ID	During operation the AUX ID on SRMONROW __ has changed to another valid ID	The SRM must be reset without the AUX ID changing.
928	The configured vDrive seeding system on ROWORSRM __ was not detected	The configured vDrive seeding system on ROWORSRM __ was not detected	The hardware must be reset and successfully detected.
929	The gyro turning rate does not match the turning rate provided by the GPS	The gyro turning rate does not match the turning rate provided by the GPS	Please confirm correct PDM orientation, and successful gyro calibration.
930	Load sensor on ROWORSRM __ is reporting a signal failure. Please replace the load sensor.	Load sensor on ROWORSRM __ is reporting a signal failure.	Visually inspect the harness and harness routing for any damage. Replace the load sensor.
931	Load sensor on ROWORSRM __ is reporting a signal failure. Please replace the load sensor.	Load sensor on ROWORSRM __ is reporting a signal failure.	Visually inspect the harness and harness routing for any damage. Replace the load sensor.
932	Load sensor on ROWORSRM __ has a poor zero value. Please raise the planter and re-zero all rows.	Load sensor on ROWORSRM __ has a poor zero value and is reporting a non-zero load reading while the planter is lifted.	Raise the planter and rezero all rows. If problem repeats itself, check row unit for mechanical binding in the gauge wheel system..
933	Load sensor on ROWORSRM __ is reporting an erratic signal. The 20/20 will monitor this row for proper behavior.	Load sensor on ROWORSRM __ is reporting an erratic signal.	This row will continue to be monitored for erratic signals.

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934	Load sensor on ROWORSRM __ is reporting a signal failure. Please replace the load sensor.	Load sensor on ROWORSRM __ is reporting a signal failure.	Visually inspect the harness and harness routing for any damage. Replace the load sensor.
935	Load sensor on ROWORSRM __ is reporting an excessive positive load value. Please check row unit for damage.	Load sensor on ROWORSRM __ is reporting an excessive positive load value.	Re-zero the load pin and confirm that the planter make has been correctly selected. If this problem persists, inspect the row unit for mechanical damage.
936	First FlowSense on ROWORSRM __ has exceeded its maximum speed. The turbine may be damaged.	First FlowSense on ROWORSRM __ has exceeded its maximum speed. The turbine may be damaged.	Check that correct orifice is installed prior to the FlowSense module or reduce rate to limit max flow.
937	Second FlowSense on ROWORSRM __ has exceeded its maximum speed. The turbine may be damaged.	Second FlowSense on ROWORSRM __ has exceeded its maximum speed. The turbine may be damaged.	Check that correct orifice is installed prior to the FlowSense module or reduce rate to limit max flow.
971	DeltaForce is disabled while planting. To enable go to DeltaForce Control Page	DeltaForce is disabled while planting. To enable go to DeltaForce Control Page	
972	Automatic DeltaForce modes are disabled due to not having enough active Load Cells. You must have one active load Cell.	Automatic DeltaForce modes are disabled due to not having enough active Load Cells.	Consider re-enabling Load Cells after their problems have been resolved or add more Load Cells.
973	The PDM SRM is not detected. Confirm connections to SRM in PDM enclosure.	The PDM SRM is not detected.	Confirm connections to SRM in PDM enclosure.
980	Configuration not supported: seed sensor connected to Row __ SRM in a system with Smart Connector(s).	Configuration not supported: seed sensor connected to Row __ SRM in a system with Smart Connector(s).	Disconnect seed sensors from SRMs and connect them to Smart Connector(s).
1000	The system was unable to update the firmware on VDRIVEONROW __. Check for a wiring harness problem or a failed vDrive module.	The system was unable to update the firmware on VDRIVEONROW __.	Check for a wiring harness problem or a failed vDrive module.
1002	The VDRIVEONROW __ has experienced an unexpected reset. Refer to the diagnostic page.	The VDRIVEONROW __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
1003	Erratic Gyro reading on ROWORSRM __	Erratic Gyro reading on ROWORSRM __. Turn rate compensation is disabled.	Check Gyro for damage
1004	Unstable Gyro on ROWORSRM __	Unstable Gyro on ROWORSRM __. Turn rate compensation is disabled.	Check Gyro for damage
1005	No Gyro detected on ROWORSRM __	No Gyro detected on ROWORSRM __. Turn rate compensation is disabled.	Check Gyro wiring harness
1006	The VDRIVEONROW __ is reporting poor motor stability.	The VDRIVEONROW __ is reporting poor motor stability.	Inspect the vSet meter for obstructions and confirm that it turns freely.
1007	The planter started moving but no acceleration was detected. Motors were started based upon a speed being detected for several seconds. Ensure PDM Orientation is set correctly in vDrive setup.	The planter started moving but no acceleration was detected. Motors were started based upon a speed being detected for several seconds.	Ensure PDM Orientation is set correctly in vDrive setup.
1010	The VSELECTORMSET __ Flow Reducer is not detected.	The VSELECTORMSET __ Flow Reducer is not detected.	Please verify that both the vDrive motor and Flow Reducer module are plugged in.
1011	The VSELECTORMSET __ Flow Reducer is not able to achieve target.	The VSELECTORMSET __ Flow Reducer is not able to achieve target.	Please check the Flow Reducer for damage or obstruction.
1012	The VSELECTORMSET __ Blower Control is not detected.	The VSELECTORMSET __ Blower Control is not detected.	Please verify that both the Blower Control module is plugged in and has power.
1013	The VSELECTORMSET __ Blower Control is not able to achieve target.	The VSELECTORMSET __ Blower Control is not able to achieve target.	Please check that the Blower Control is properly connected to the planter bulk fill blower valve.
1014	The vDrive Insecticide motor was not detected on ROWORSRM __.	The vDrive Insecticide motor was not detected on ROWORSRM __.	Please check that the vDrive Insecticide motor is plugged in and has power.
1015	The vDrive motor on ROWORSRM __ is operating at minimum speed.	The vDrive motor on ROWORSRM __ is operating at minimum speed.	Operating at minimum speed may increase the applied population beyond the intended target.
1016	The vDrive Insecticide motor on ROWORSRM __ is operating at minimum speed.	The vDrive Insecticide motor on ROWORSRM __ is operating at minimum speed.	Operating at minimum speed may increase the insecticide application beyond the intended target.
1017	The Insecticide System is set as vDrive Insecticide but no vDrive Insecticide Drives are present.		
1018	vDrive Insecticide hardware is present but is set as something else.		
1032	The system has lost communication with the VDRIVEONROW __.	The system was unable to communicate with the VDRIVEONROW __.	Check for a wiring harness problem or a failed vDrive.

Go To Event Codes

1033	VDRIVEONROW __ supply voltage has dropped to between 9.5V and 10.5V	VDRIVEONROW __ supply voltage has dropped to between 9.5V and 10.5V	Please check battery/alternator voltage and power harness.
1034	VDRIVEONROW __ supply voltage has dropped below 9.5V, please check battery/alternator voltage and power harness.	VDRIVEONROW __ supply voltage has dropped below 9.5V	Please check battery/alternator voltage and power harness.
1035	VDRIVEONROW __:The current draw is too high.	VDRIVEONROW __:The current draw is above levels defined by current/duty cycle map.	Check for high resistance on the wiring to the vDrive. Check for pinched or shorted wiring to the vDrive.
1036	VDRIVEONROW __ Motor Fault: attempting to clear vDrive jam.	VDRIVEONROW __ Motor Fault: attempting to clear vDrive jam.	If the jam does not clear itself check for an object lodged in the seed meter.
1037	VDRIVEONROW __ Motor Fault: unable to clear jam.	VDRIVEONROW __ Motor Fault: attempts to clear a jam failed.	Check for an object lodged in the seed meter.
1038	The encoder on the VDRIVEONROW __ has stopped responding.	The encoder on the VDRIVEONROW __ has stopped responding.	Inspect the vSet meter to ensure that it turns feely and is not obstructed.
1039	The VDRIVEONROW __ motor has no current draw while duty cycle is non-zero.	The VDRIVEONROW __ motor has no current draw while duty cycle is non-zero.	Check for a damaged vDrive module.
1040	The VDRIVEONROW __ motor PWM is reporting an over-temperature.	The VDRIVEONROW __ motor PWM is reporting an over-temperature.	Check for a damaged vDrive module.
1041	The VDRIVEONROW __ closed loop requires large amounts of adjustment to open loop.	The VDRIVEONROW __ closed loop requires large amounts of adjustment to open loop.	Check for a damaged vDrive module.
1042	The VDRIVEONROW __ clutch output has experienced an overcurrent condition and is disabled.	The VDRIVEONROW __ clutch output has experienced an overcurrent condition and is disabled.	Check for a short circuit connection on the vDrive clutch output.
1200	The system was unable to update the firmware on SPEEDTUBEONROW __. Check for a wiring harness problem or a failed SpeedTube module.	The system was unable to update the firmware on SPEEDTUBEONROW __.	Check for a wiring harness problem or a failed SpeedTube module.
1201	The system has lost communication with the SPEEDTUBEONROW __.	The system was unable to communicate with the SPEEDTUBEONROW __.	Check for a wiring harness problem or a failed SpeedTube.
1202	The SPEEDTUBEONROW __ has experienced an unexpected reset. Refer to the diagnostic page.	The SPEEDTUBEONROW __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
1216	SpeedTubes have been turned off while traveling at roading speeds.	SpeedTubes have been turned off while traveling at roading speeds. To restart SpeedTubes, toggle the master plant switch or lower the planter.	To restart SpeedTubes, toggle the master plant switch or lower the planter.
1217	The SPEEDTUBEONROW __ has an obstruction on the seed sensor.	The SPEEDTUBEONROW __ has an obstruction on the seed sensor.	Inspect SpeedTube to look for a wedged seed or other obstruction near the seed sensor inside the belt housing.
1218	The SPEEDTUBEONROW __ has an obstruction on the seed sensor, affecting seed reporting.	The SPEEDTUBEONROW __ has an obstruction on the seed sensor, affecting seed reporting.	Inspect SpeedTube to look for a wedged seed or other obstruction near the seed sensor inside the belt housing.
1233	SPEEDTUBEONROW __ supply voltage has dropped to between 9.5V and 10.5V	SPEEDTUBEONROW __ supply voltage has dropped to between 9.5V and 10.5V	Please check battery/alternator voltage and power harness.
1234	SPEEDTUBEONROW __ supply voltage has dropped below 9.5V please check battery/alternator voltage and power harness.	SPEEDTUBEONROW __ supply voltage has dropped below 9.5V	Please check battery/alternator voltage and power harness.
1235	SPEEDTUBEONROW __:The current draw is too high.	SPEEDTUBEONROW __:The current draw is above levels defined by current/duty cycle map.	Check for high resistance on the wiring to the SpeedTube. Check for pinched or shorted wiring to the SpeedTube.
1236	SPEEDTUBEONROW __ Motor Fault: attempting to clear SpeedTube jam.	SPEEDTUBEONROW __ Motor Fault: attempting to clear SpeedTube jam.	If the jam does not clear itself check for an object lodged in the SpeedTube belt.
1237	SPEEDTUBEONROW __ Motor Fault: unable to clear jam.	SPEEDTUBEONROW __ Motor Fault: attempts to clear a jam failed.	Check for an obstruction in the belt preventing it from moving freely. If the belt moves freely, the SpeedTube module may need replaced.
1238	No belt speed was detected on the SPEEDTUBEONROW __ while current draw is within normal range.	No belt speed was detected on the SPEEDTUBEONROW __ while current draw is within normal range.	Verify that the belt is not mechanically jammed. Check for a damaged SpeedTube optical sensor.
1239	The SPEEDTUBEONROW __ motor has no current when commanded. The SpeedTube module or motor may be damaged causing an open electrical circuit.	The SPEEDTUBEONROW __ motor has no current when commanded. The SpeedTube module or motor may be damaged causing an open electrical circuit.	Check for a damaged or disconnected SpeedTube motor.
1240	The SPEEDTUBEONROW __ motor PWM is reporting an over-temperature.	The SPEEDTUBEONROW __ motor PWM is reporting an over-temperature.	Check for a damaged SpeedTube module.
1241	The SPEEDTUBEONROW __ is requiring large adjustments to achieve desired belt speed.	The SPEEDTUBEONROW __ is requiring large adjustments to achieve desired belt speed.	Check for a foriegn object or damage inside the SpeedTube.

Go To Event Codes

1242	The SPEEDTUBEONROW __ detected something that was not large enough to be a seed.	The SPEEDTUBEONROW __ detected something that was not large enough to be a seed.	No action required.
1243	The SPEEDTUBEONROW __ detected two seeds in one space between belt flights.	The SPEEDTUBEONROW __ detected two seeds in one space between belt flights.	No action required.
1244	The SPEEDTUBEONROW __ detected a seed pinned between a belt flight and the flight housing.	The SPEEDTUBEONROW __ detected a seed pinned between a belt flight and the flight housing.	No action required.
1245	The SPEEDTUBEONROW __ detected an object on the belt return side.	The SPEEDTUBEONROW __ detected an object on the belt return side.	No action required.
1246	The SPEEDTUBEONROW __ is missing data because the CPU is not processing data fast enough.	The SPEEDTUBEONROW __ is missing data because the CPU is not processing data fast enough.	Check for a damaged SpeedTube module.
1247	The SPEEDTUBEONROW __ detected a mismatch in timing between the seed delivery side and belt return side which indicates a buildup on the belt drive pulley.	The SPEEDTUBEONROW __ detected a buildup on the belt drive pulley.	Check for a buildup of mud on the drive gear in the SpeedTube.
1248	The SPEEDTUBEONROW __ detected an obstruction near the seed sensor.	The SPEEDTUBEONROW __ detected an obstruction near the seed sensor.	Check for an obstruction blocking the seed sensor.
1249	The SPEEDTUBEONROW __ may have difficulty detecting seeds due to a weak sensor signal from the seed delivery side sensor.	Weak signal on seed delivery side sensor of SPEEDTUBEONROW __.	If seeding performance is poor, check for an obstruction or damage to the SpeedTube optical sensor.
1250	The SPEEDTUBEONROW __ may have difficulty detecting seeds due to a weak sensor signal from the belt return side sensor.	Weak signal on belt return side sensor of SPEEDTUBEONROW __.	If seeding performance is poor, check for an obstruction or damage to the SpeedTube optical sensor.
1251	Missing belt flight in SPEEDTUBEONROW __.	Missing belt flight in SPEEDTUBEONROW __.	Check for a missing belt flight and replace the belt if it is damaged.
1252	SPEEDTUBEONROW __ is commanding full speed, and may not be keeping up with ground speed.	SPEEDTUBEONROW __ is commanding full speed.	Check for an obstruction or blockage in the SpeedTube.
1253	SPEEDTUBEONROW __ shutdown due to high current draw.	SPEEDTUBEONROW __ shutdown due to high current draw.	Verify that belt and mechanism spin freely. To reset, turn off master plant and all swath switches.
1300	The system was unable to update the firmware on VAPPLYON __. Check for a wiring harness problem or a failed Liquid module.	The system was unable to update the firmware on VAPPLYON __.	Check for a wiring harness problem or a failed Liquid module.
1301	The system has lost communication with the VAPPLYON __.	The system was unable to communicate with the VAPPLYON __.	Ensure that the module is plugged in and check the wiring harness for damage.
1302	The VAPPLYON __ has experienced an unexpected reset. Refer to the diagnostic page.	The VAPPLYON __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
1305	VAPPLYON __ Row Failure		
1333	VAPPLYON __ supply voltage has dropped to between 9.5V and 10.5V	VAPPLYON __ supply voltage has dropped to between 9.5V and 10.5V	Please check battery/alternator voltage and power harness.
1334	VAPPLYON __ supply voltage has dropped below 9.5V, please check battery/alternator voltage and power harness.	VAPPLYON __ supply voltage has dropped below 9.5V	Please check battery/alternator voltage and power harness.
1335	VAPPLYON __ shutdown due to excessive current draw.	VAPPLYON __ shutdown due to excessive current draw.	
1336	VAPPLYON __ ball stuck.	VAPPLYON __ ball valve not able to move when commanded.	
1339	VAPPLYON __ no current detected on ball valve motor circuit.	VAPPLYON __ no current detected on ball valve motor circuit.	Consult your dealer for a replacement module.
1340	VAPPLYON __ total flow turbine jammed	VAPPLYON __ total flow turbine not reporting any flow, so the ball position will be restricted to lower rates.	Consult your dealer to replace the total flow turbine.
1341	VAPPLYON __ low flow turbine jammed	VAPPLYON __ Low flow turbine inside module is jammed.	Consult your dealer and replace the low flow turbine at a convenient time.
1342	VAPPLYON __ low flow turbine overspeed 1	VAPPLYON __ low flow turbine is being run at a speed marginally over specification.	
1343	VAPPLYON __ low flow turbine overspeed 2	VAPPLYON __ low flow turbine is being run at a speed over specification.	
1344	VAPPLYON __ Low flow turbine inside module is jammed. Loss of accuracy at current rate.	VAPPLYON __ low flow turbine inside the module is jammed. Accuracy at low flow rates is compromised.	Consult your dealer to replace this internal component.
1346	VAPPLYON __ leaking	The VAPPLYON __ is leaking.	Consult your dealer to replace this internal component.

Go To Event Codes

1348	The VAPPLYPROD __ pump maximum pressure is being exceeded.	The vApply pressure sensor has detected a pressure reading exceeding the maximum pressure sensor setting. Pump output will be reduced.	Verify max pressure setting in product setup or recalibrate pump.
1400	The system was unable to update the firmware on MSETON __. Check for a wiring harness problem or a failed mSet module.	The system was unable to update the firmware on MSETON __.	Check for a wiring harness problem or a failed mSet module.
1401	The system has lost communication with the MSETON __.	The system was unable to communicate with the MSETON __.	Check for a wiring harness problem.
1402	The MSETON __ has experienced an unexpected reset. Refer to the diagnostic page.	The MSETON __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
1408	The dispenser gate on MSETON __ is jammed.	The dispenser gate on MSETON __ is jammed.	Please remove the obstruction.
1409	The level sensor on MSETON __ is not detected.	The level sensor on MSETON __ is not detected.	Please check the harnessing.
1410	The level sensor on MSETON __ failed to calibrate.	The level sensor on MSETON __ failed to calibrate.	Please check the meter for obstructions, and clean any excessive buildup off the sensor pad.
1500	The system was unable to update the firmware on the MeterMax Ultra Controller. After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.	The system was unable to update the firmware on the MeterMax Ultra Controller.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab.
1600	The system was unable to update the firmware on SMARTFIRMERON __. Check for a wiring harness problem or a failed SmartFirmer module.	The system was unable to update the firmware on SMARTFIRMERON __.	Check for a wiring harness problem or a failed SmartFirmer module.
1601	The system has lost communication with the SMARTFIRMERON __.	The system was unable to communicate with the SMARTFIRMERON __.	Check for a wiring harness problem.
1602	The SMARTFIRMERON __ has experienced an unexpected reset. Refer to the diagnostic page.	The SMARTFIRMERON __ has experienced an unexpected reset.	After checking the planter harness for damage, perform a Reset Modules operation from the Diagnostics Tab
1608	Signal error detected on SMARTFIRMERON __.	Signal error detected on SMARTFIRMERON __.	Inspect for damage on lens and electronics housing.
1609	Lens blockage detected on SMARTFIRMERON __.	Lens blockage detected on SMARTFIRMERON __.	Clean and inspect.
1610	Signal error detected on SMARTFIRMERON __.	Signal error detected on SMARTFIRMERON __.	Inspect row unit for potential ride issues and SmartFirmer for damage.

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Planting Process Overview

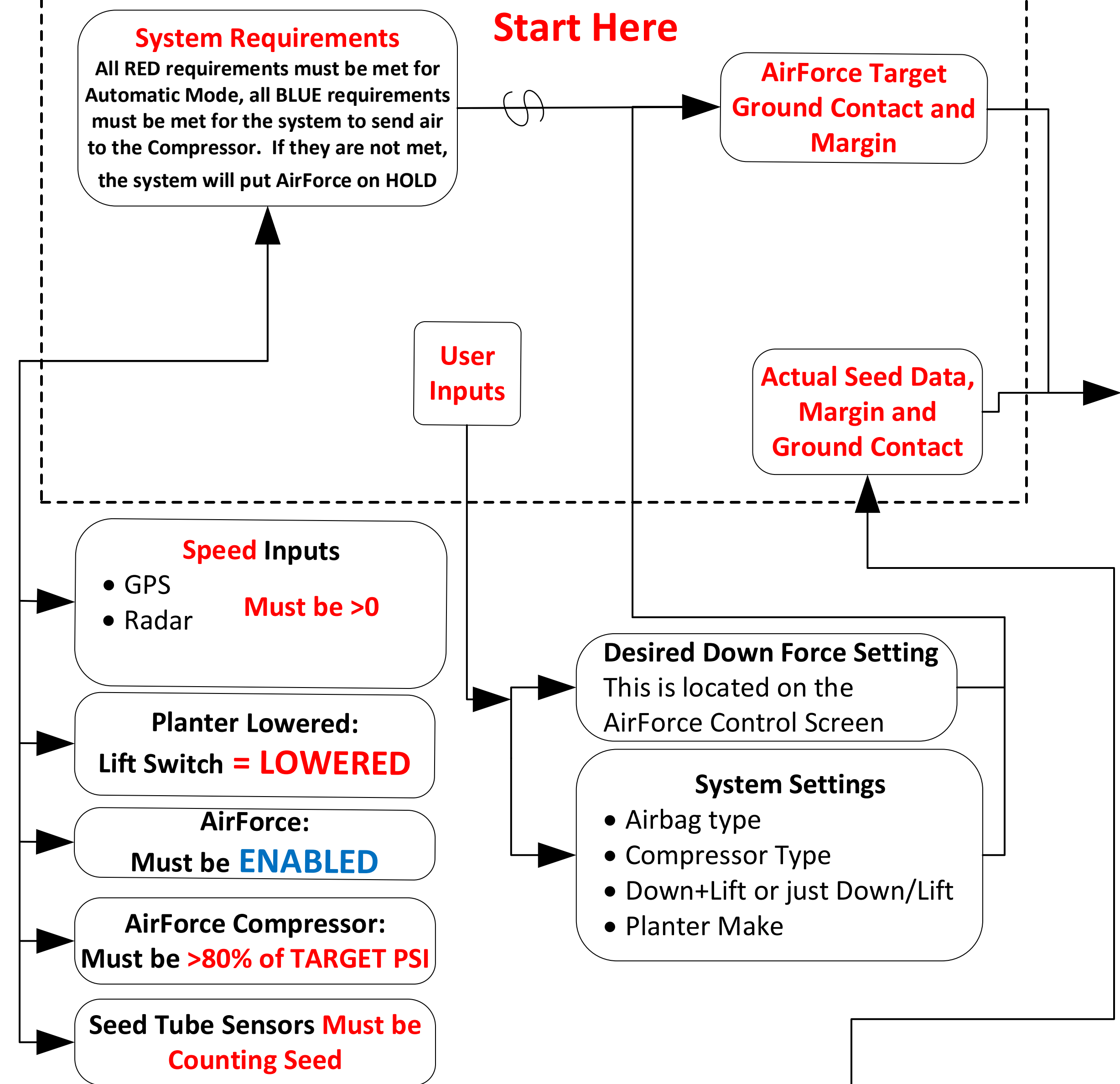
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Down Force Control: AirForce

20/20 SeedSense

Start Here



Load Cell
Provides Actual Force (lbs) against gauge wheel

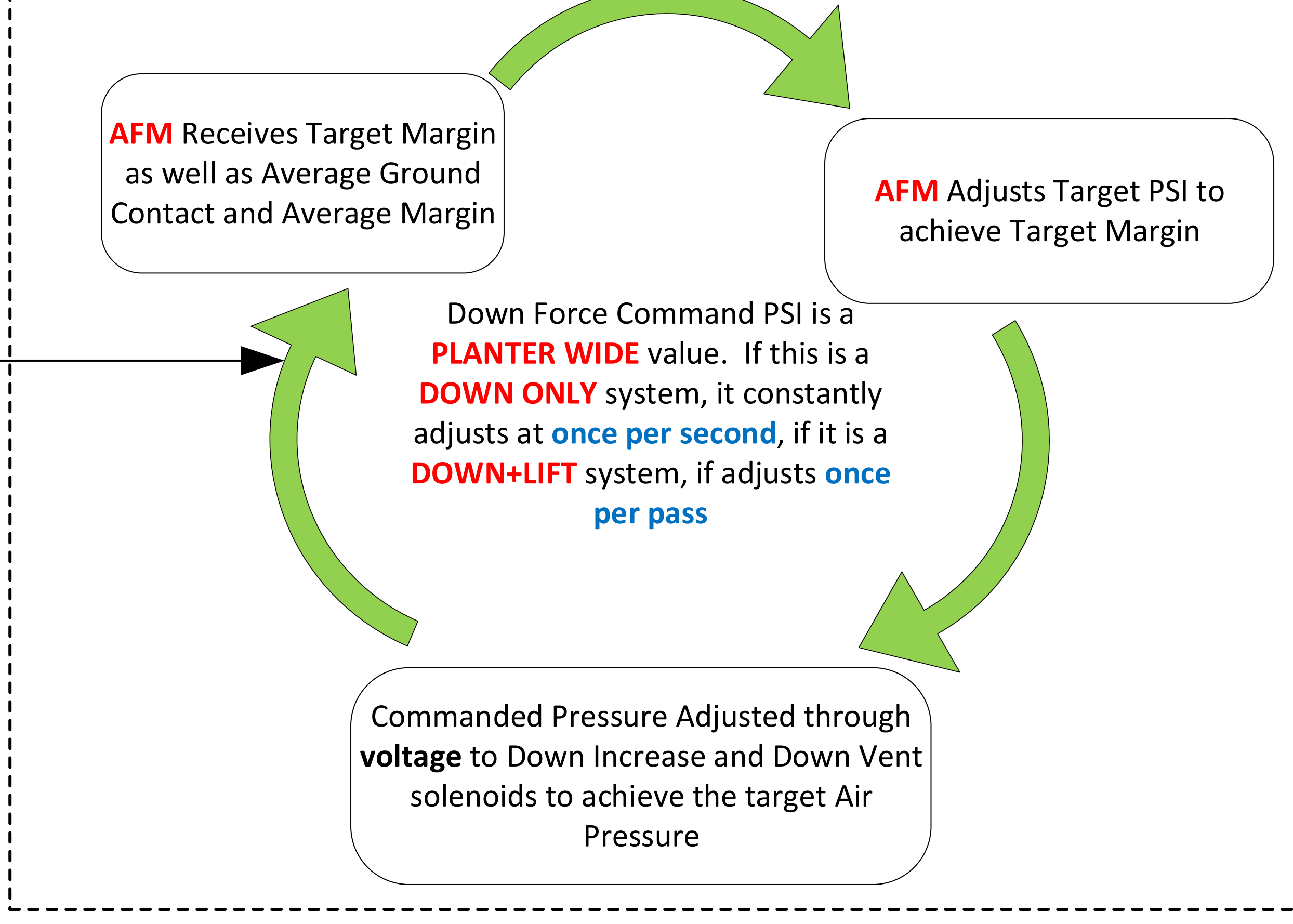
Row Unit Module
Seed Data and AUX data is also relayed through this module at 5hz

Seed Tube Sensor
Provides Seed Data Pulses

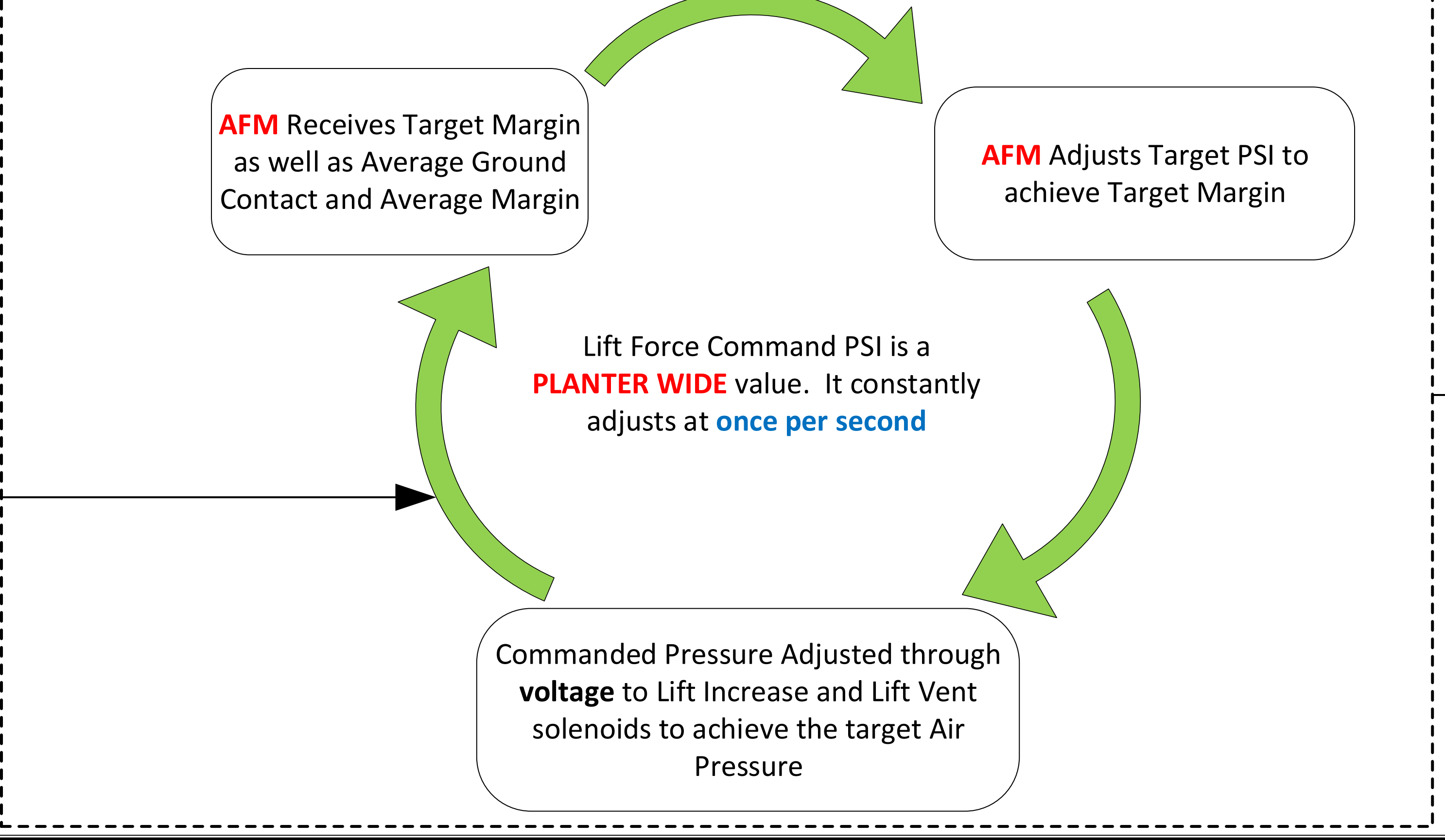
Seed Tube Sensor
Provides Seed Data Pulses

Smart Connector(s)
Calculates Individual Row DF MIN, DF AVG, Ground Contact and DF Margin

Down Air System/Bags



Lift Air System/Bags



The physical outcome is **Net Applied Force (Planter Wide)**
Calculated as the addition of Down Force Command Force plus Lift Command Force (a negative value)

Down Force Control: DeltaForce

20/20 SeedSense

Start Here

System Requirements
These must be met before the system will send a Target DownForce to the system

DeltaForce Target DownForce

User Inputs

Speed Inputs

- GPS
- Radar **Must be >0**

Master Plant Switch: ON

Planter Lowered: Lift Switch = LOWERED

DeltaForce: Must be ENABLED*

Desired Down Force Setting
This is located on the DeltaForce Control Screen

System Settings

- PDM Location
- PDM Orientation
- Gyro Zeroing

Physical aspects that can affect the systems ability to apply the NET APPLIED FORCE

- Low Supply Voltage (<11.5V)
- Low Supply Pressure (<2250 PSI)
- Excessive Return Pressure (>100 PSI)
- Frame Lifting (Planter weight less than Total NET APPLIED FORCE)
- Excessive Field conditions (exceeding -450 to +650 force range)
- Good Ride
- CAN errors
- Weight Pin Errors 3+ Pins Active

*Note: This is required upon initial startup and following software updates. The system will remain ENABLED through power cycles and resets.

*Note: DeltaForce must have Seed data to Map Applied DownForce and DownForce on FieldView

SRM

Load Cell
Provides Actual Force (lbs) against gauge wheel

DownForce Value from Load Cell at **200hz**

Calculates Down Force Minimum at **5hz** and Communicates **INDIVIDUAL ROW DOWN PSI** values to PDM

Down Force Command PSI is an **INDIVIDUAL ROW** value constantly adjusting at **200hz**

Commanded Pressure Adjusted through **voltage** to cylinder solenoid to achieve the target DownForce Minimum
The aggressiveness is determined by **Load Cell** values (DF Min **TOO LOW**)

PDM SRM PLANTER WIDE

The physical outcome is Net Applied Force (per row)
Calculated as the addition of **Down Force Command Force** plus **Lift Command Force** (a negative value)

PDM

PDM Calculates MAX and MIN DOWN PSI values

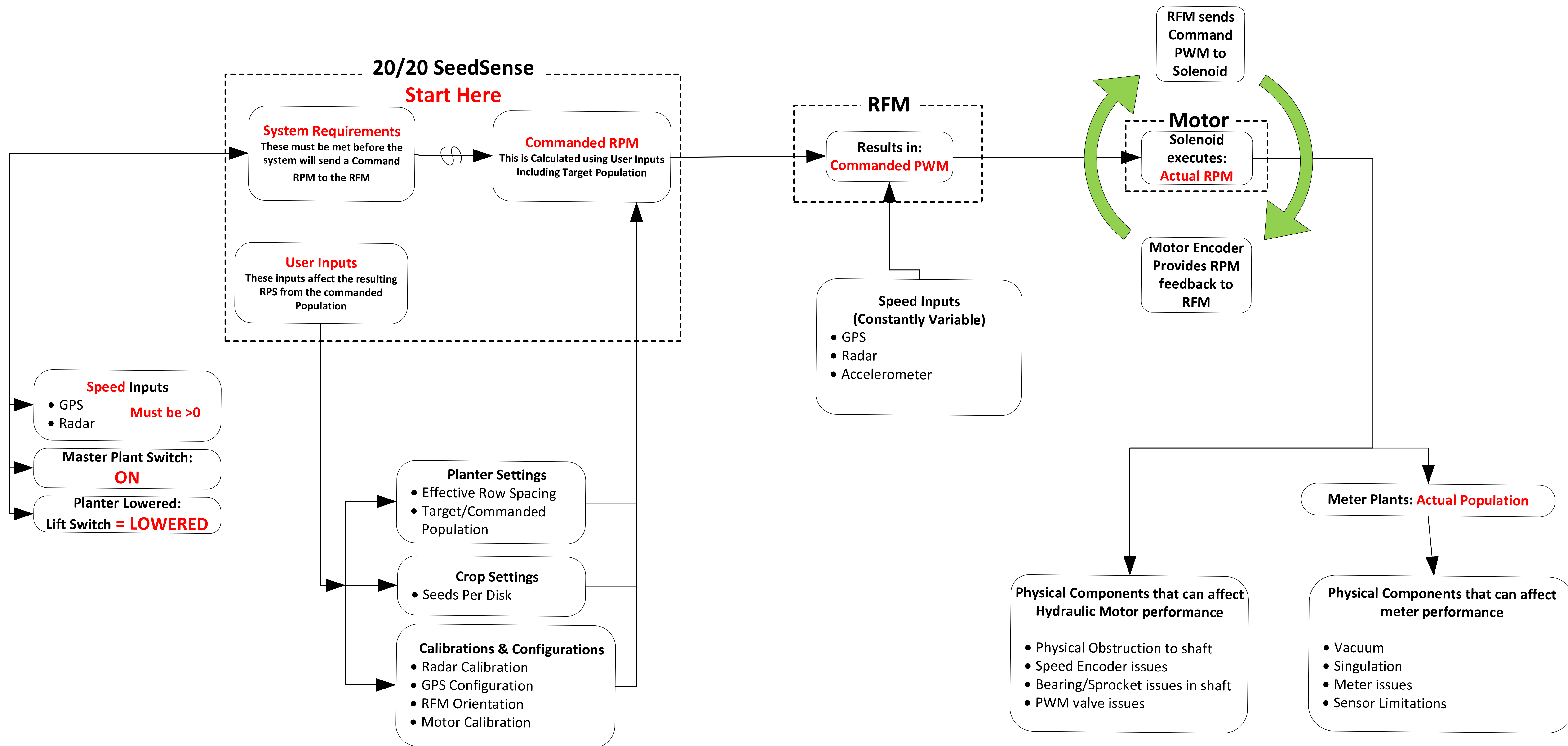
PDM Evaluates range of MAX and MIN DOWN PSI values to determine aggressiveness of Lift Response

Down Force Command PSI is a **PLANTER WIDE** value constantly adjusting at **200hz**

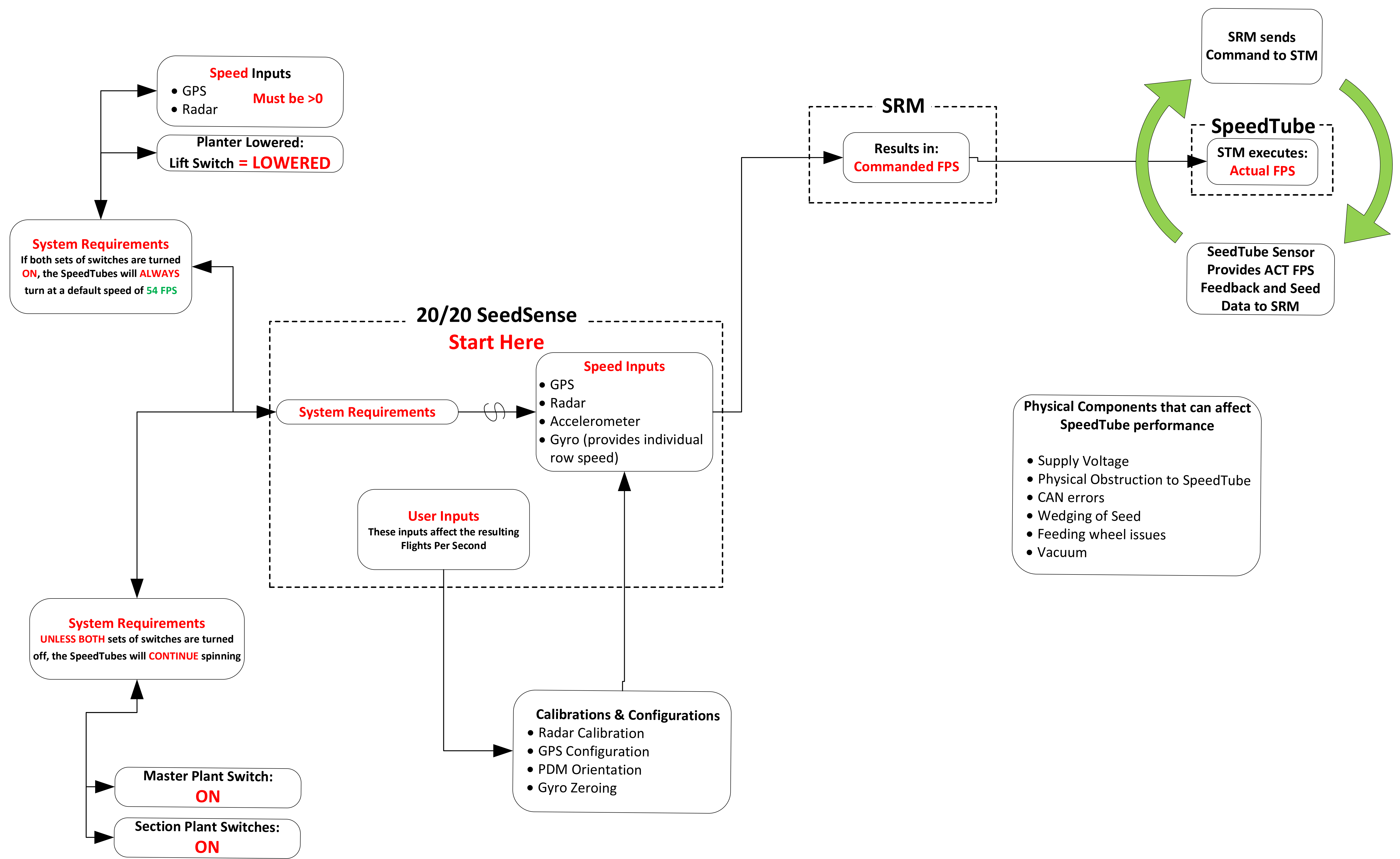
Communicates **PLANTER WIDE LIFT FORCE** command values to Individual row SRMs

Commanded Rate Adjusted through **voltage** to Lift Manifold Solenoid
This command is **delayed** to accommodate for SRMs to anticipate Lift Manifold action

Rate Control: RowFlow

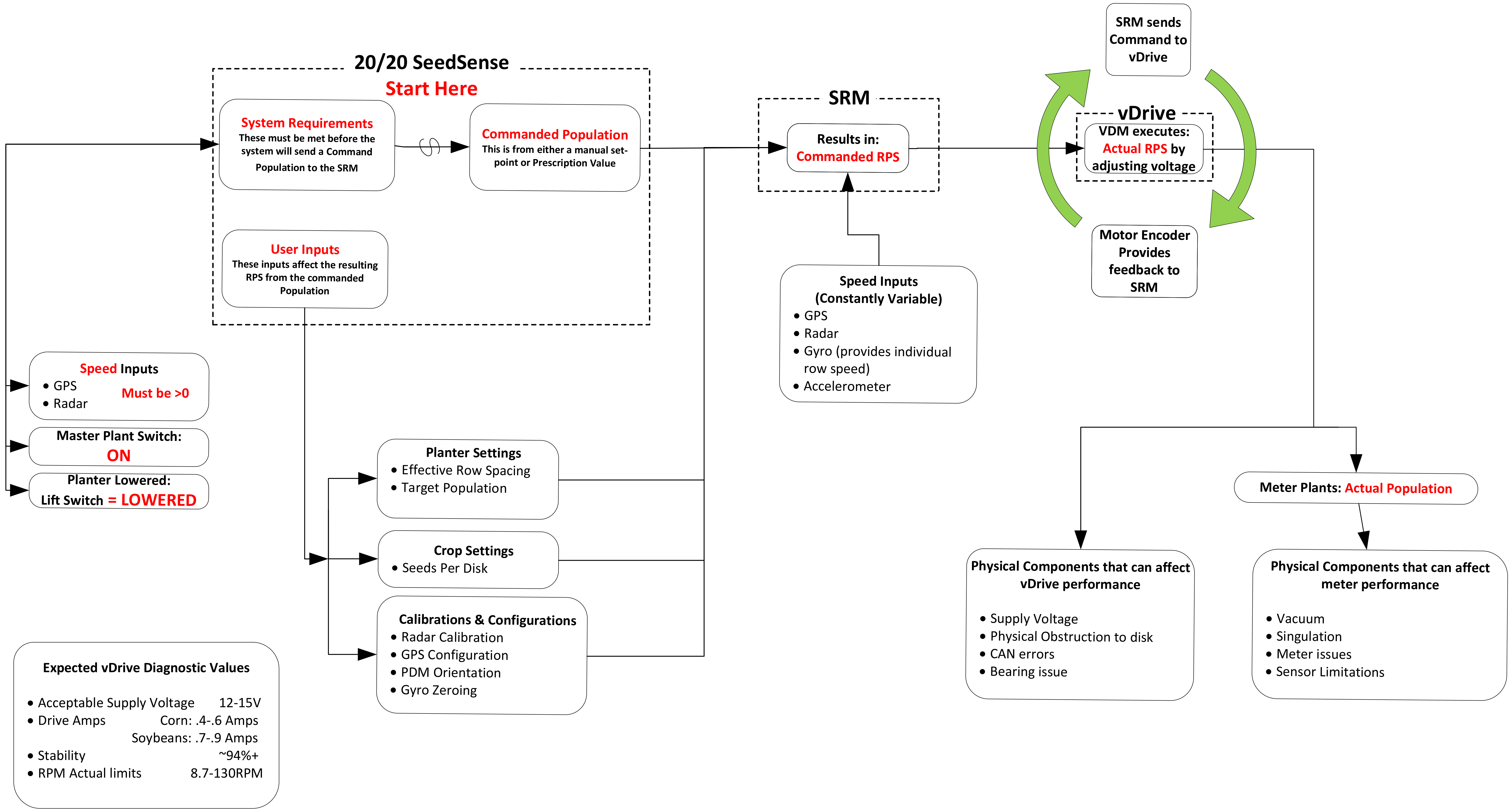


Rate Control: SpeedTube

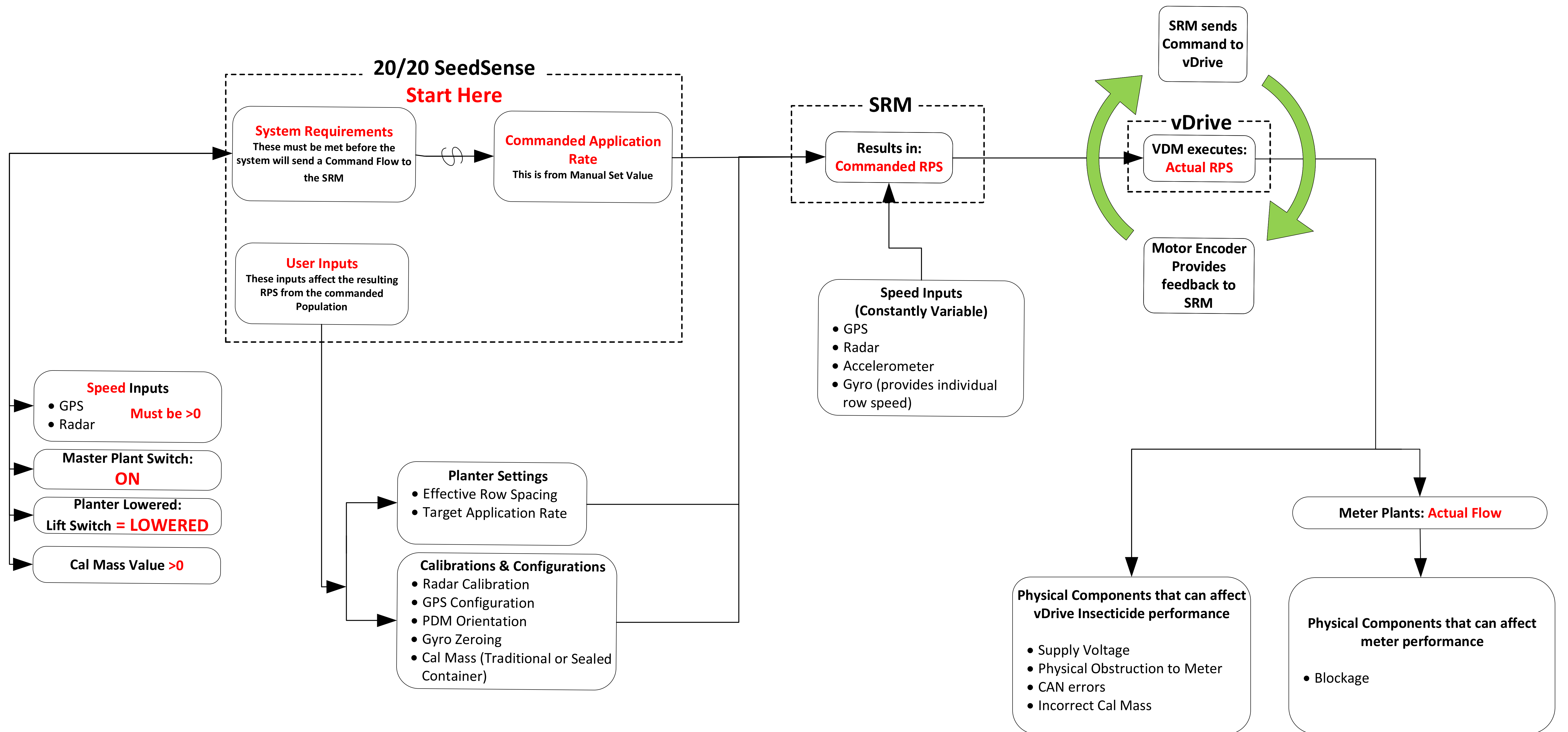


Rate Control: vDrive & vSet Select

Note: vSet Select Control is identical with the exception of having two vDrives per row, with the opportunity for the Prescription or User to designate which vDrive (hybrid) is planting at any given time



Rate Control: vDrive Insecticide



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Rate Control: vApply HD

