

YieldSense™

Service Manual

Precision Planting®

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Service Manual Overview

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

- **YieldSense Process Overview:** A visual description of the YieldSense system and its operation
- **Event Codes:** A listing of all YieldSense 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.

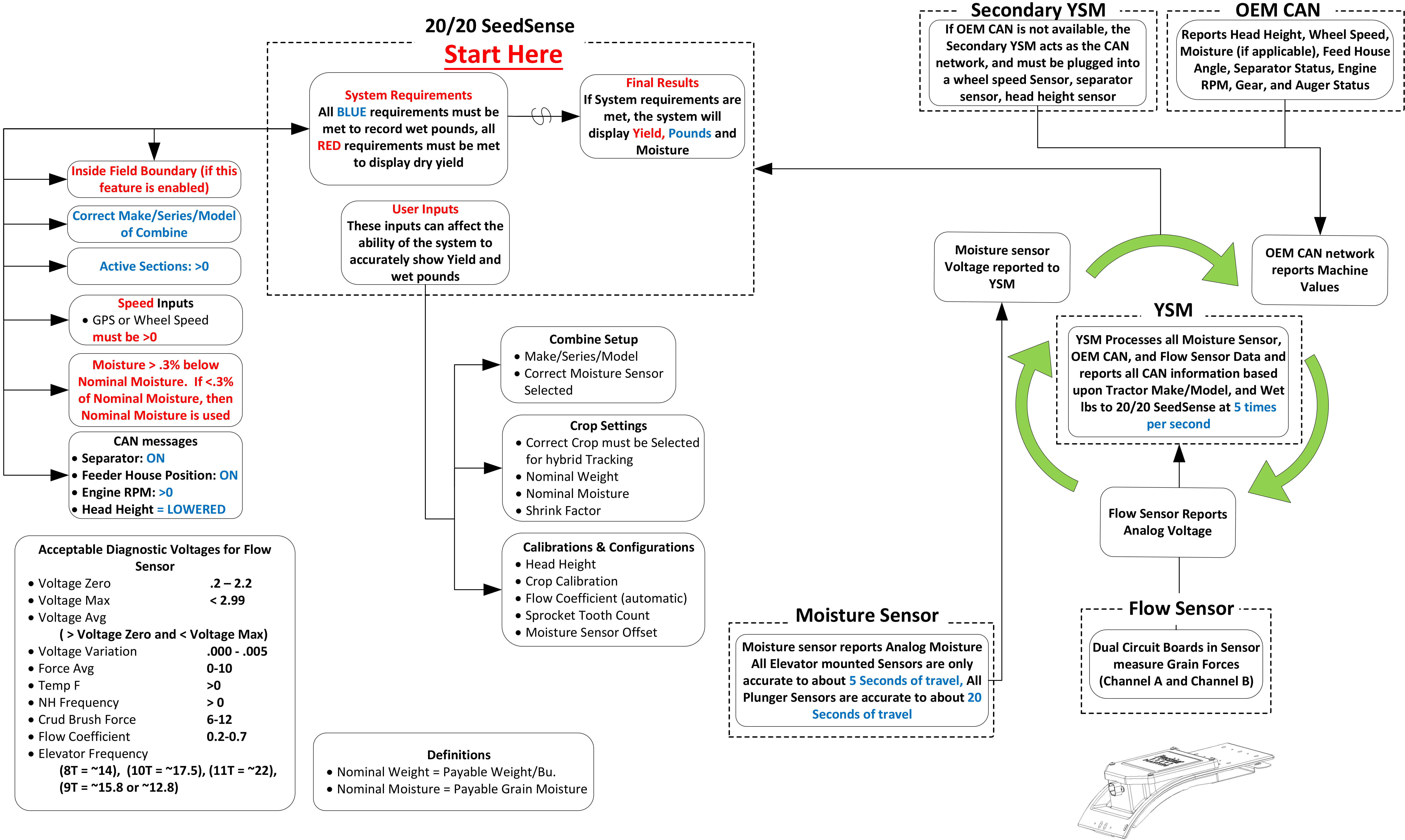
Use this Service Manual along with the YieldSense diagnostic tools to troubleshoot systems. For further assistance, contact Product Support.

Tables of Contents are linked to the pages that they reference. Press or click the [BLUE](#) 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>.

YieldSense System Process Overview

How to convert wet **LBS** to dry **BUSHELS**
$$\text{Weight LBS} / \text{Nominal Weight} * [(100 - (\text{Avg Moisture} - \text{Nominal Moisture}) * \text{Shrink Factor}) / 100] = \text{Dry Bushels}$$



YieldSense Event Codes

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Event Code	Component	Event Log Text	Definition
625	YSM	Natural Harmonic Frequency High	NHF > = center +10hz for 2 minutes
626	YSM	Natural Harmonic Frequency Low	NHF > = center -10hz for 2 minutes
627	YSM	Natural Harmonic Frequency Erratic	NHF out of bounds (See 625 and 626) more than 3 times in 30 minutes.
628	YSM	Voltage Zero A High	VZA > or = center+0.1125v for two minutes
629	YSM	Voltage Zero A Low	VZA < or = center-0.1125v for two minutes
630	YSM	Voltage Zero A Erratic	VZA out of bounds (See 628 and 629) more than 3 times in 30 minutes
631	YSM	Voltage Zero B High	VZB > or = center+0.1125v for two minutes
632	YSM	Voltage Zero B Low	VZB < or = center-0.1125v for two minutes
633	YSM	Voltage Zero B Erratic	VZB out of bounds (See 631 and 632) more than 3 times in 30 minutes
634	YSM	Voltage Zero A Noise High	>5mV for 10% of last thirty seconds or >20mV for 2 seconds
635	YSM	Voltage Zero B Noise High	>5mV for 10% of last thirty seconds or >20mV for 2 seconds
636	YSM	Temp A Out of Range	Temperature A is >160 degrees F or <-10 degrees F for at least two minutes
637	YSM	Temp B Out of Range	Temperature B is >160 degrees F or <-10 degrees F for at least two minutes
639	YSM	Force Average A Signal Low	FAA Signal is less than 50% of FAB Signal
639	YSM	Force Average B Signal Low	FAB Signal is less than 50% of FAA Signal
640	YSM	Voltage Zero A Saturated	VZA signal greater or less than the upper or lower bounds for saturation of the signal
641	YSM	Voltage Zero B Saturated	VZB signal greater or less than the upper or lower bounds for saturation of the signal
642	YSM	Brush—Missing	Crud Brush is Missing
643	YSM	Brush—Worn	
644	YSM	Paddles—Missing/Broken	
645	YSM	Sensor Installation—Close	
646	YSM	Sensor Installation—Far	
647	YSM	12v Supply Voltage Low	
648	YSM	12v Supply Voltage High	
649	YSM	Flow Sensor Unplugged	
650	YSM	Flow Sensor—Suspected Crud Build-up	

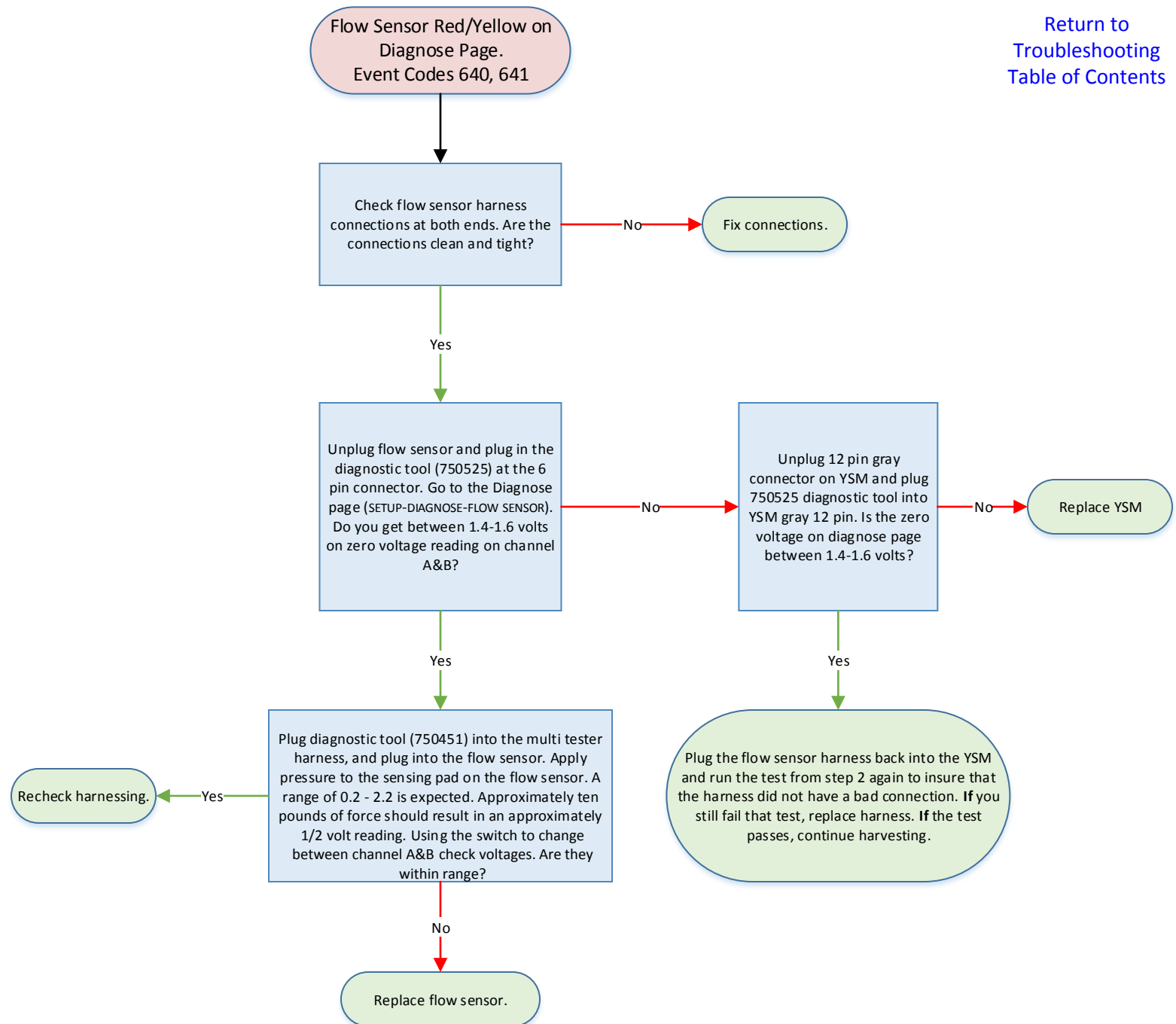
YieldSense Event Codes (Cont.)

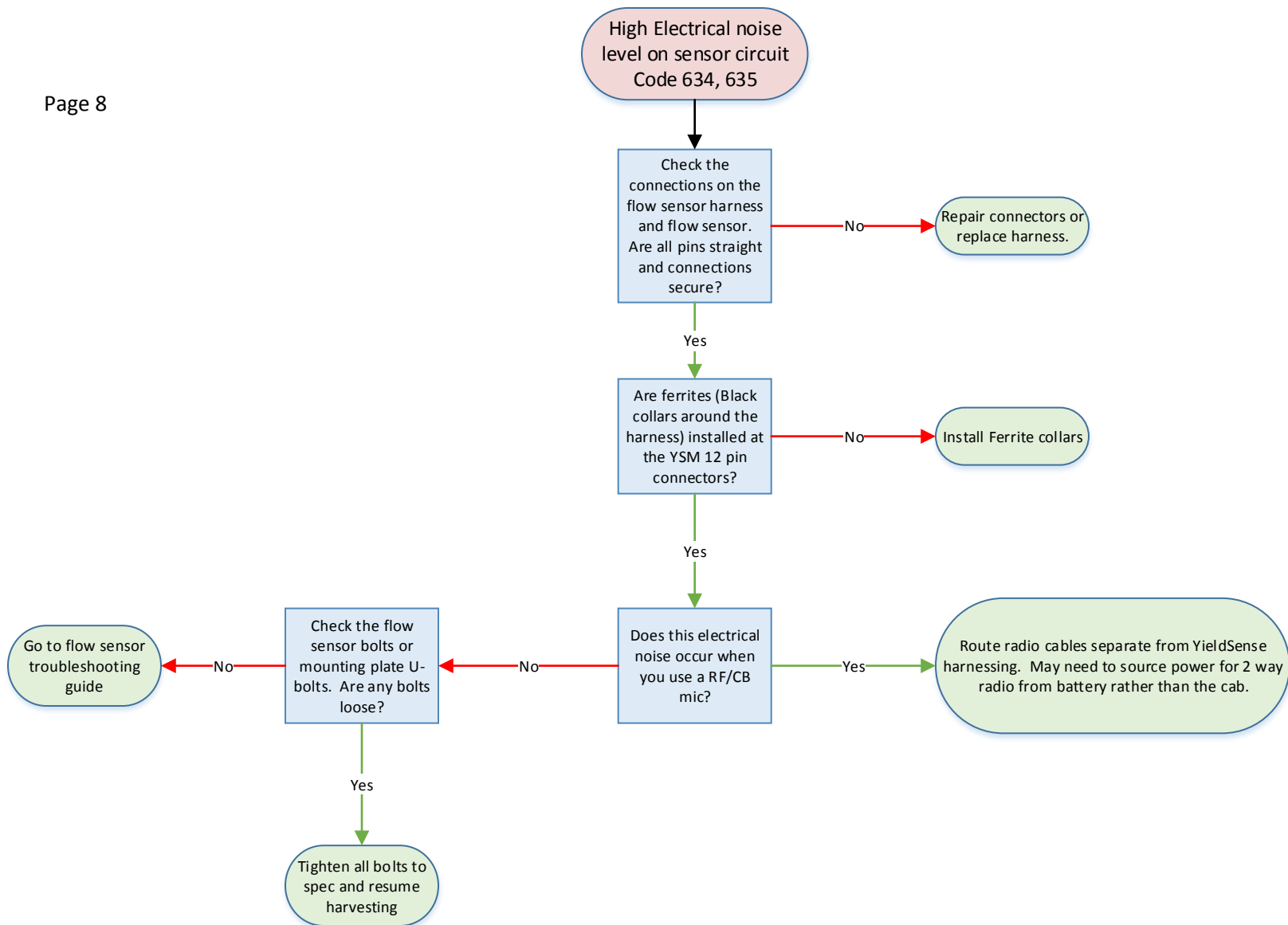
Event Code	Component	Event Log Text	Definition
651	YSM	5v Supply Voltage Low	
652	YSM	5v Supply Voltage High	
653	YSM	Grain Property Bucket Missing/Damaged	
654	YSM	Flow Sensor Signal Error	Capacitor or circuit board issue
675	YSM	A problem was detected communicating with the OEM CAN network	OEM CAN packets not received by the YSM for 600 ms (200 ms expected)
676	YSM	A problem was detected communicating with the YSM	YSM Status Message is not received for 3 seconds (1 second expected)
677	GPS	A problem was detected communicating with the GPS receiver	GPS message not received from receiver for 2 seconds (100—1000 ms expected)
678	CCM/DU	CCM Detected.	Please disconnect CCM and connect the cab harness directly to the 20/20
679	Display Unit		iPad or FVM USB disconnect event is received from kernel while acres or lbs are accumulating
680	YSM	A problem was detected communicating with the YSM	Cycle Power to the YSM
681	Display Unit	Flow detected without active rows	
682	Display Unit	Disk space 90% full	Available space on SD card is less than 10%
683	Display Unit	Disk space 95% full	Available space on SD card is less than 5%
684	Display Unit	YSM Communication Quality is low. Check Connectors	YSM Packet loss is greater than 5%
685	Display Unit		Calculated and Expected Tooth Count Do Not Match
686	Display Unit		Crop Constant Exceeded
687	Display Unit		Streaming Coverage Queue Backed Up
688	Display Unit		User Changed Tooth Count
689	Display Unit	Harvesting Height not set for one or more heads	
690	Display Unit	Grain Moisture Lag adjusted while harvesting	Occurs when the user tries to adjust the moisture lag while grain flow is greater than zero

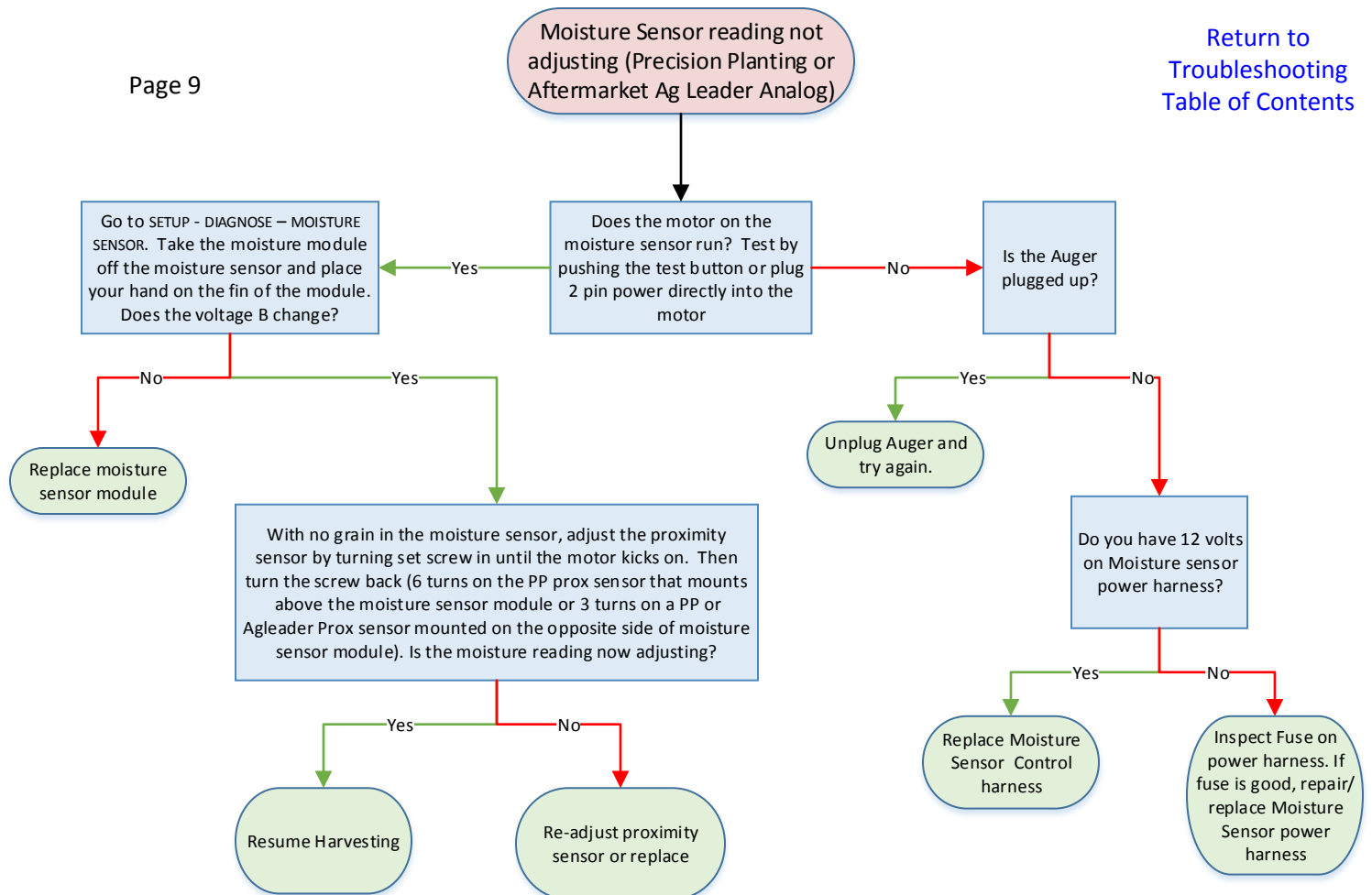
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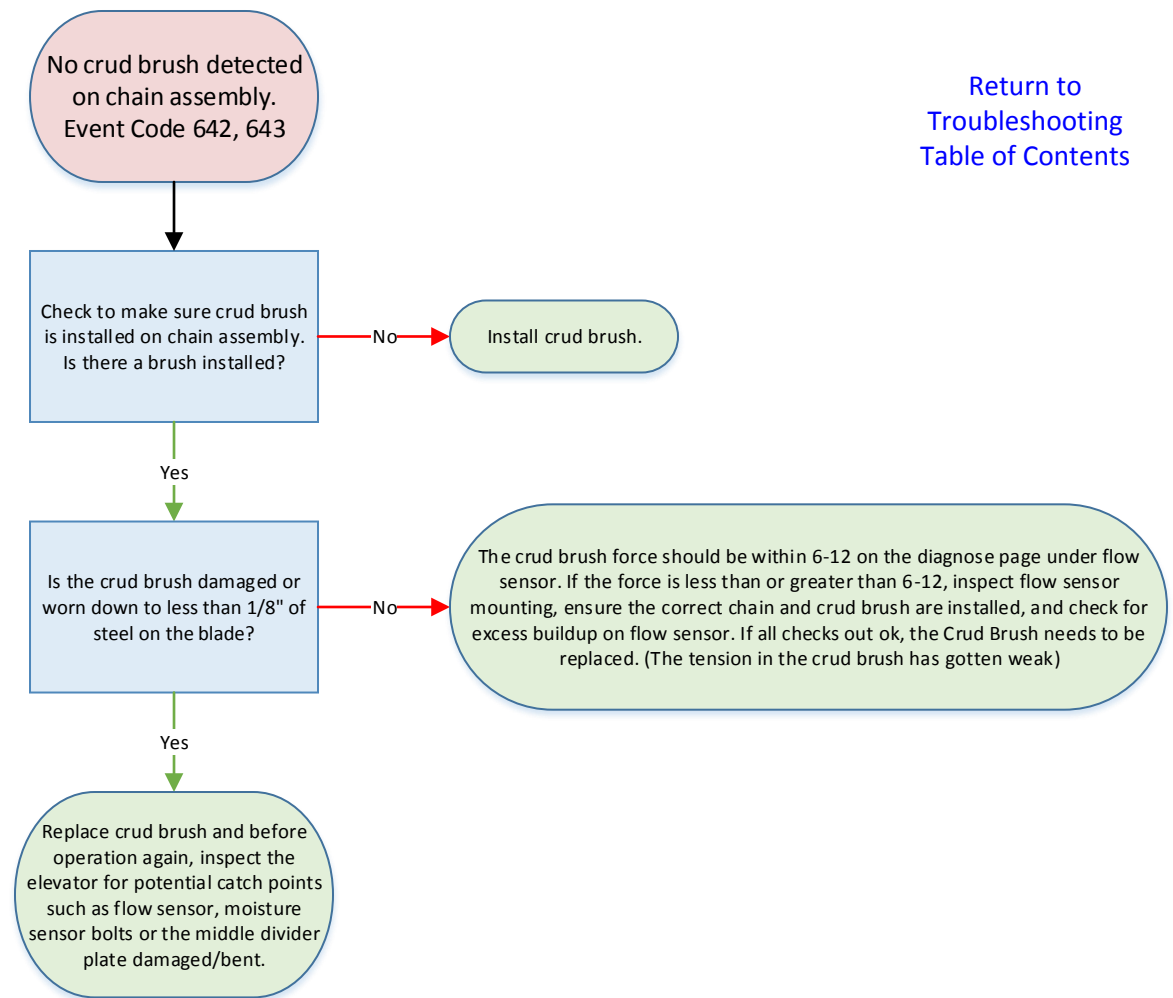
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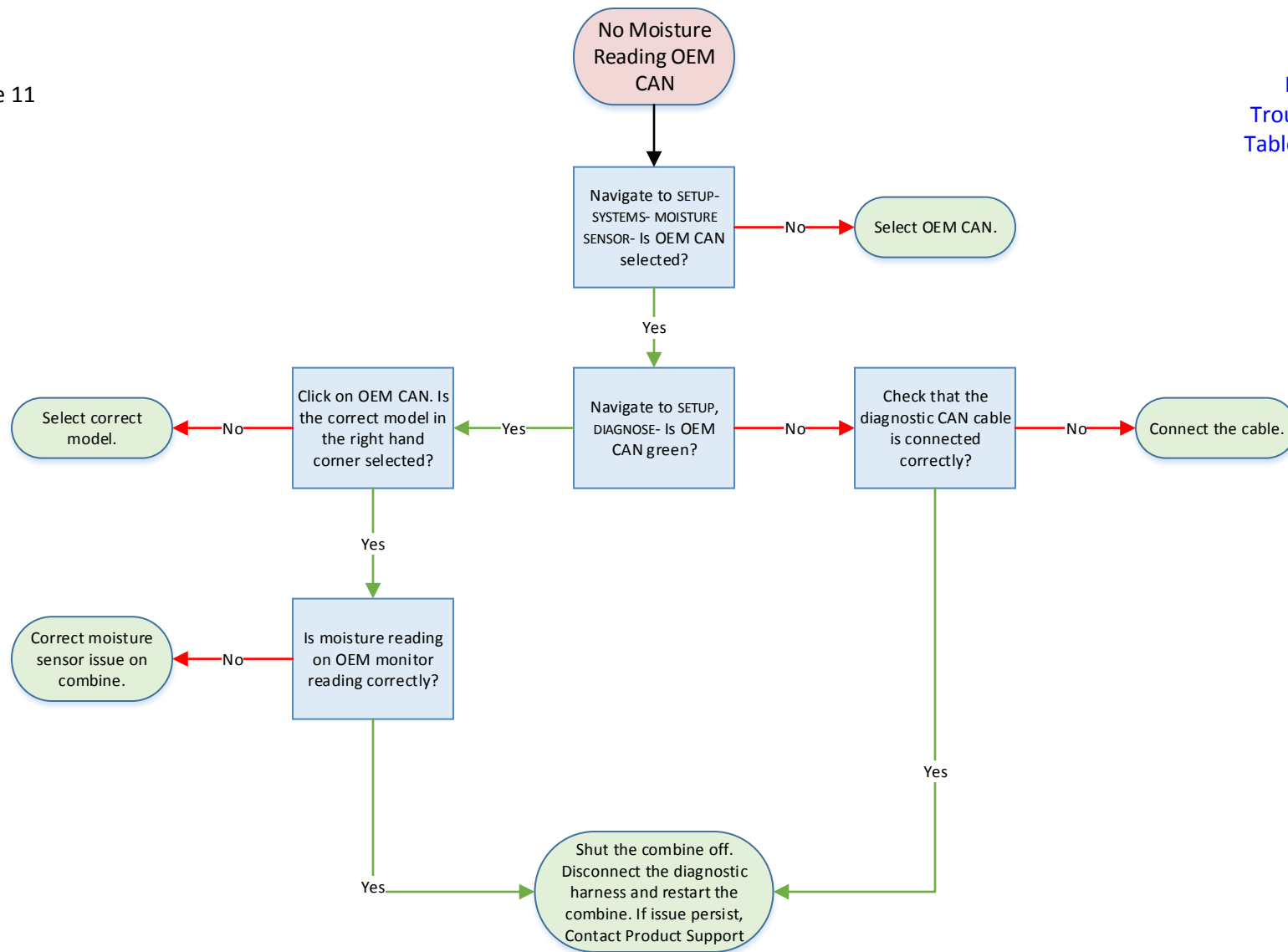
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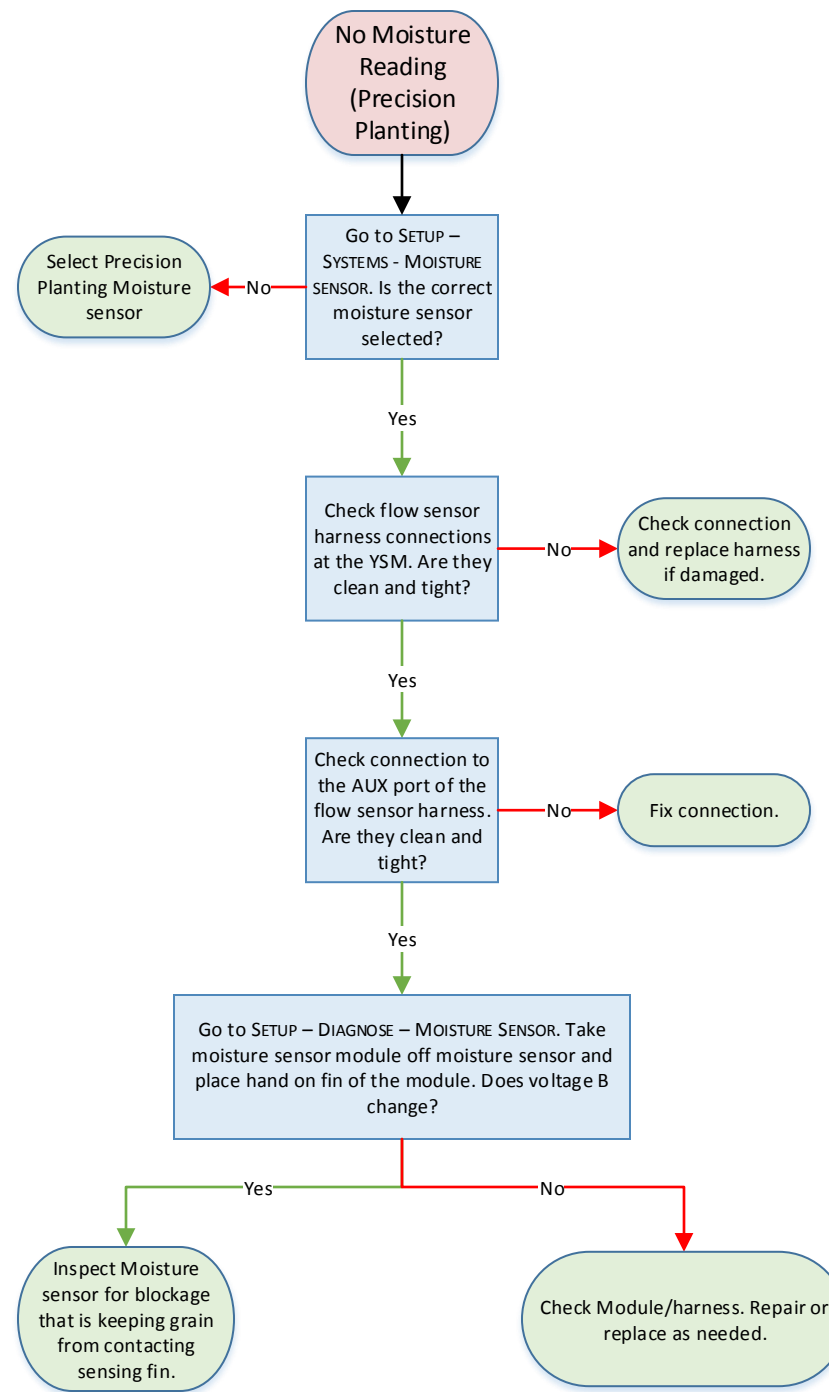


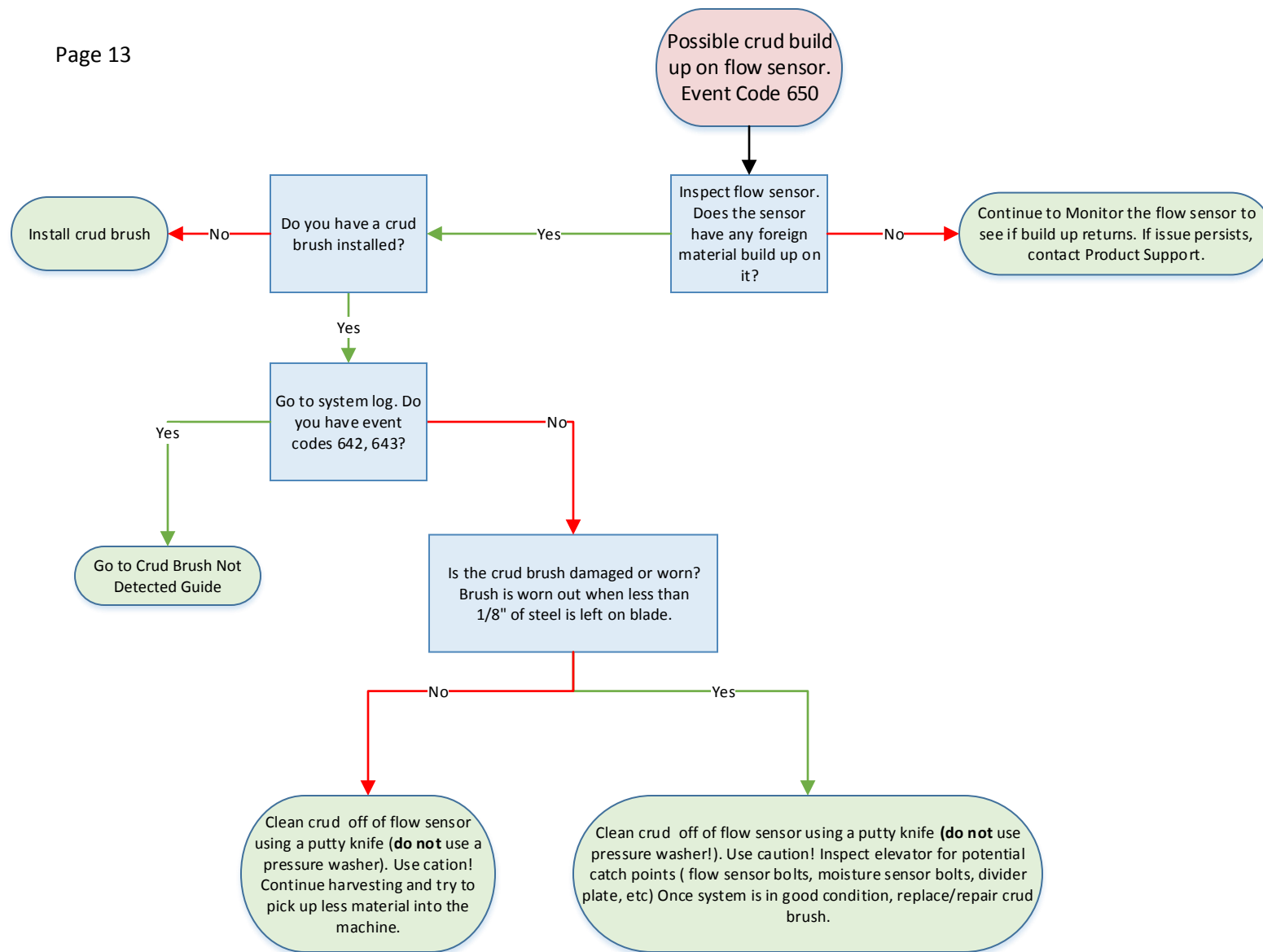


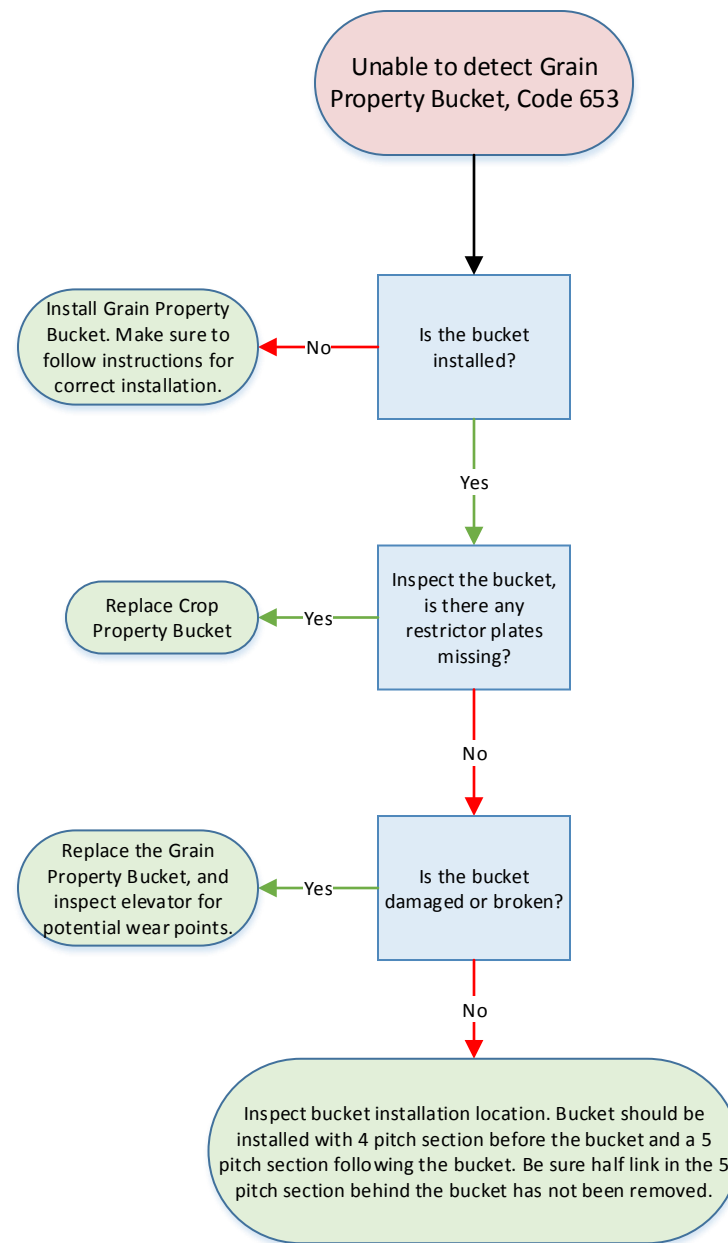


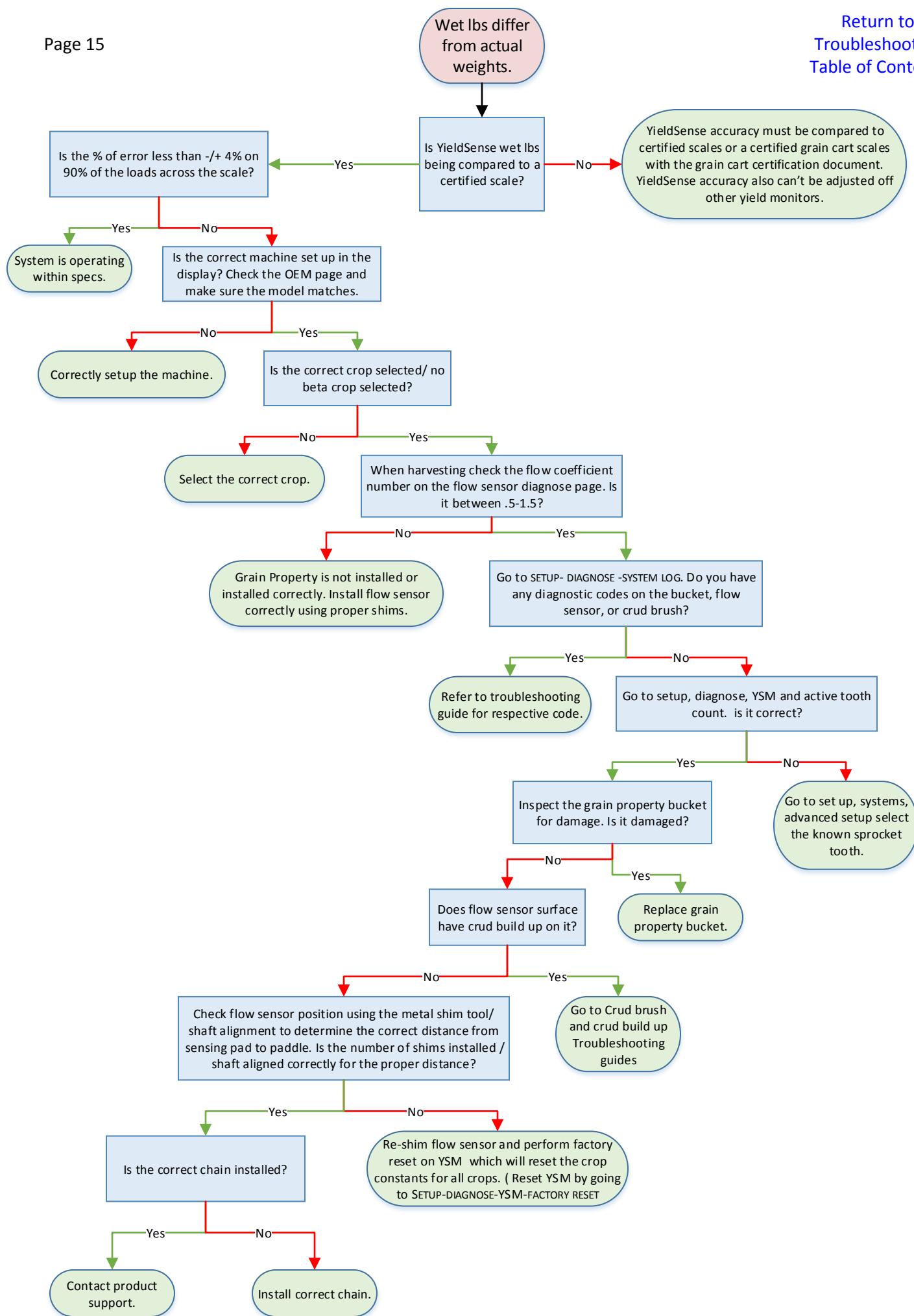


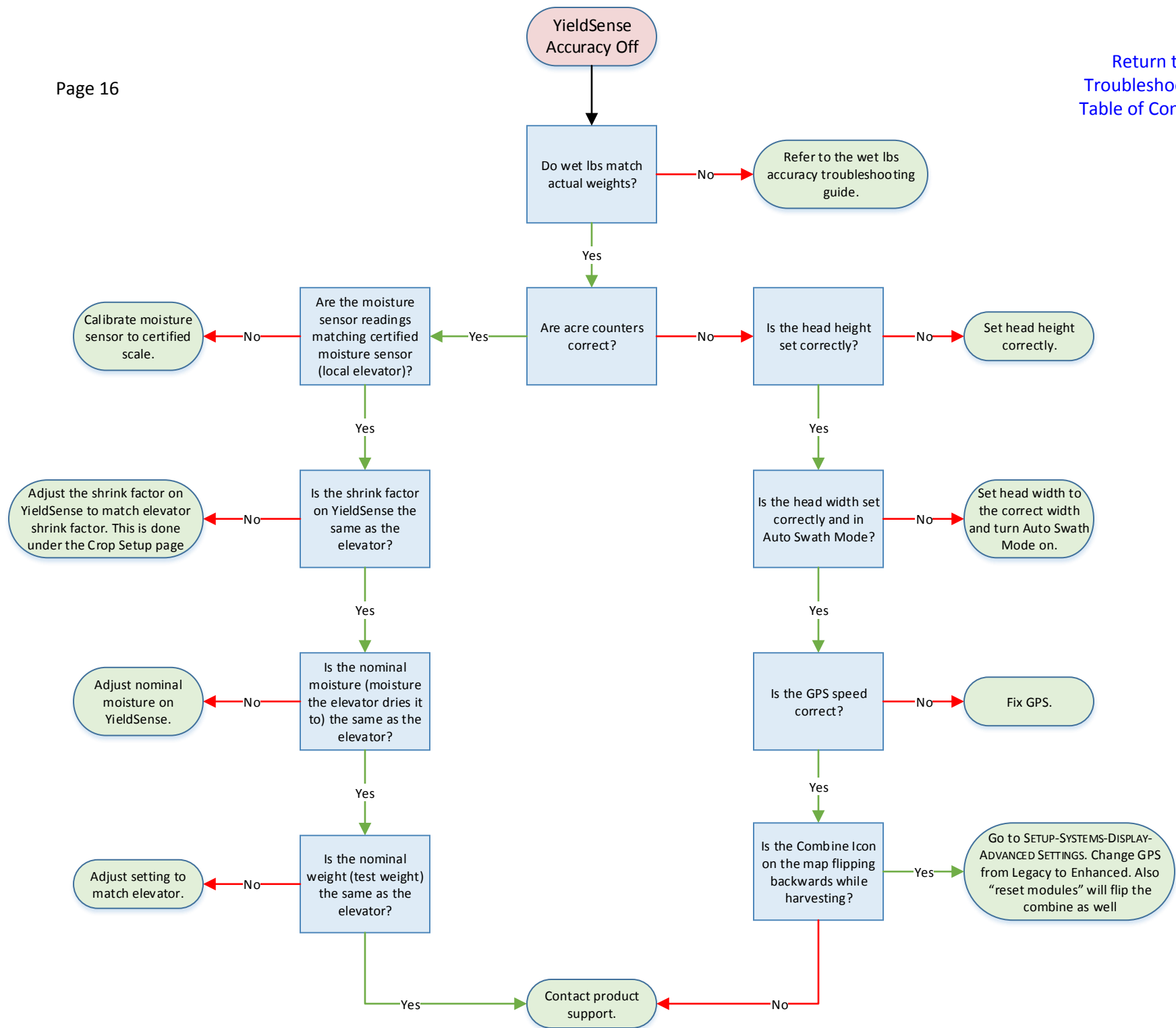


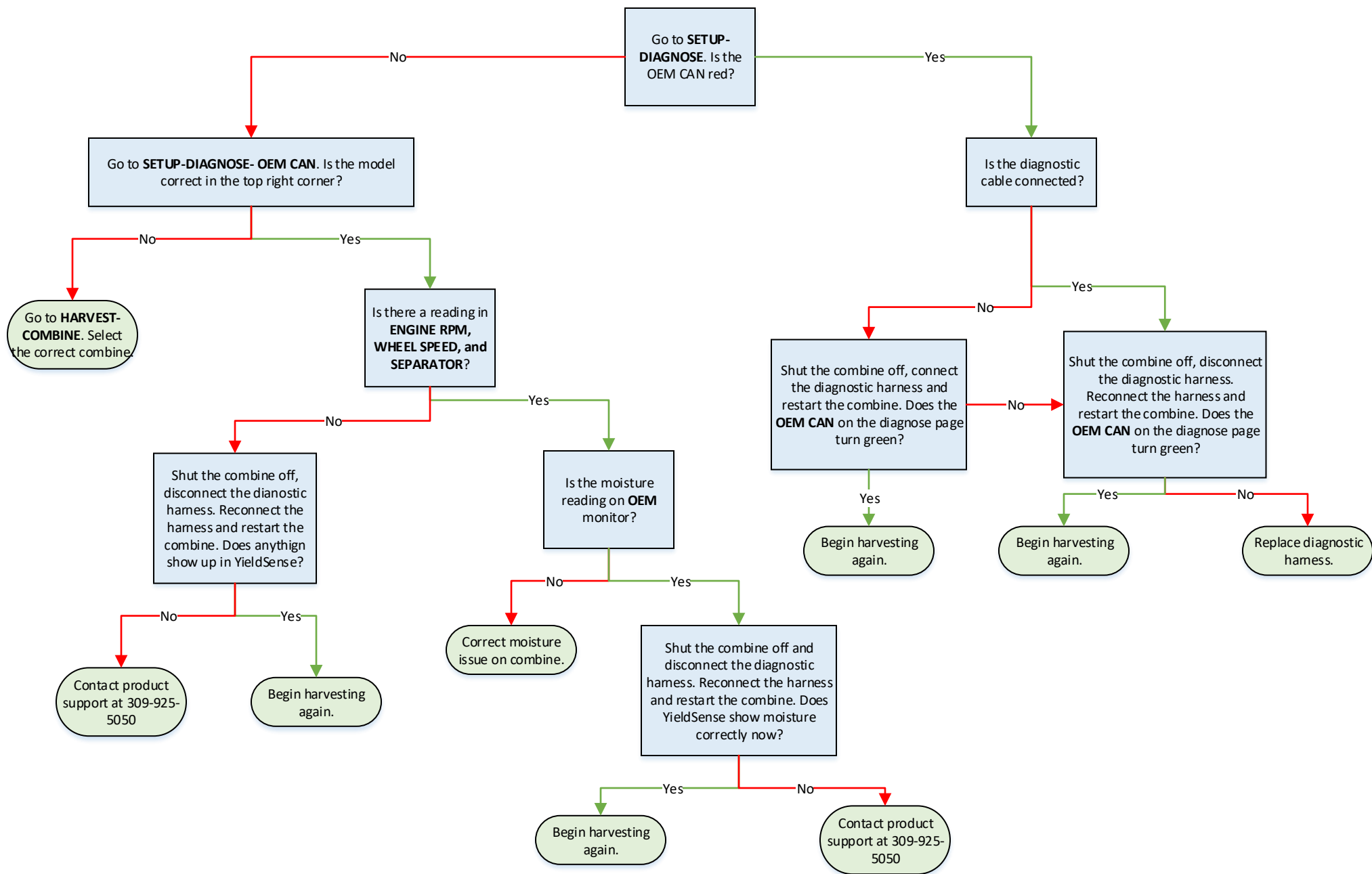


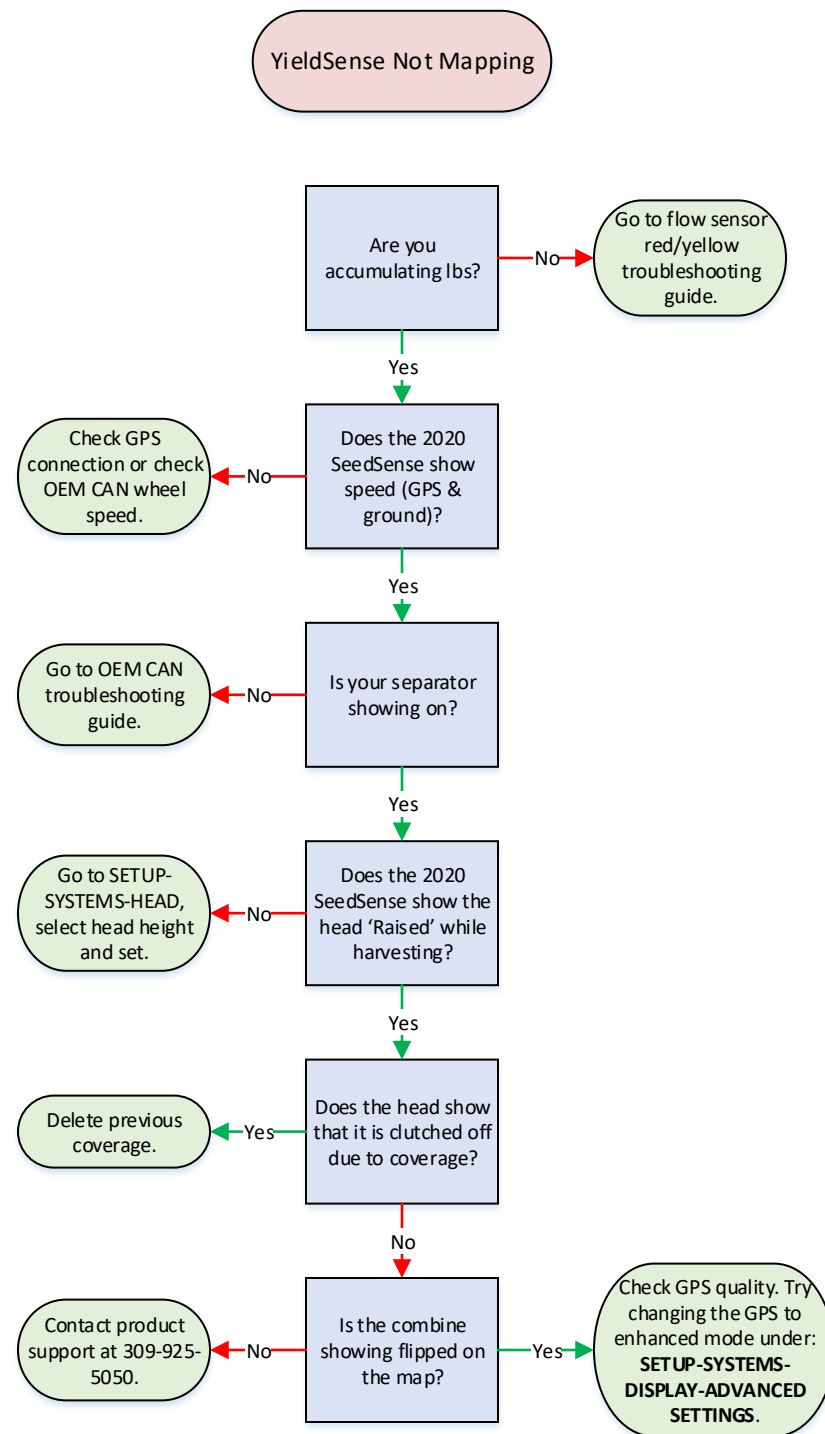


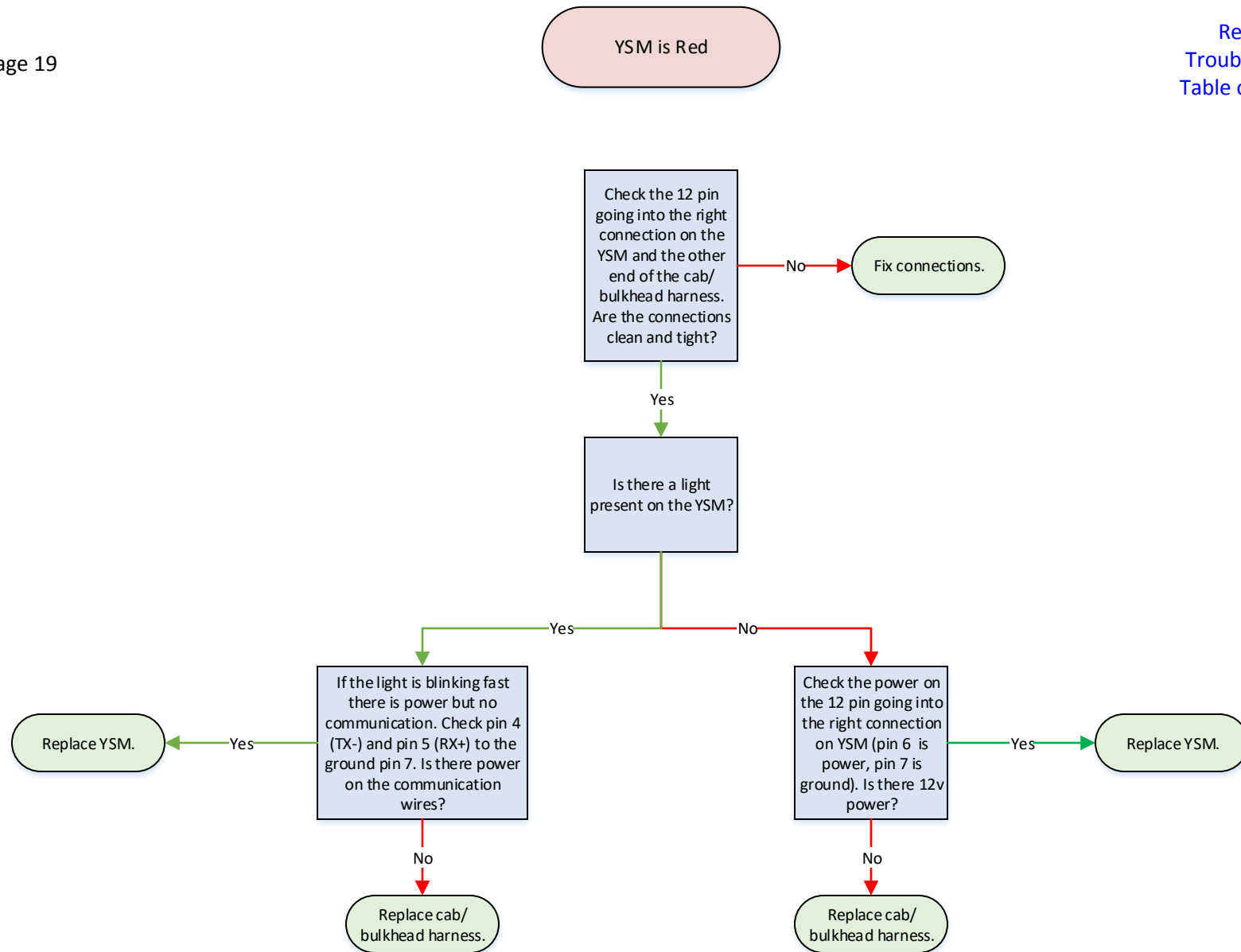












Pinouts and Wiring Diagrams

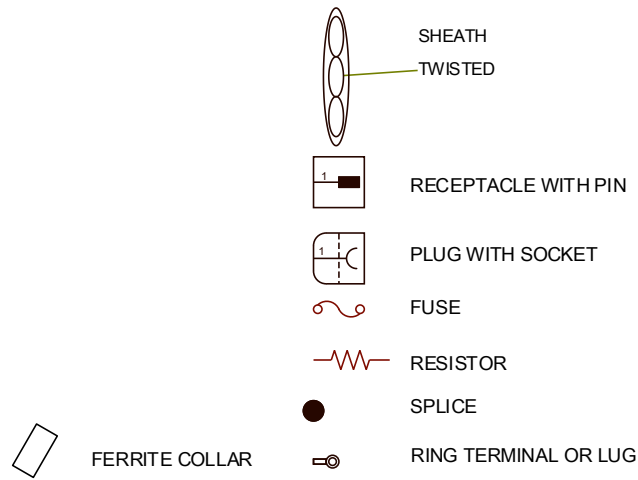
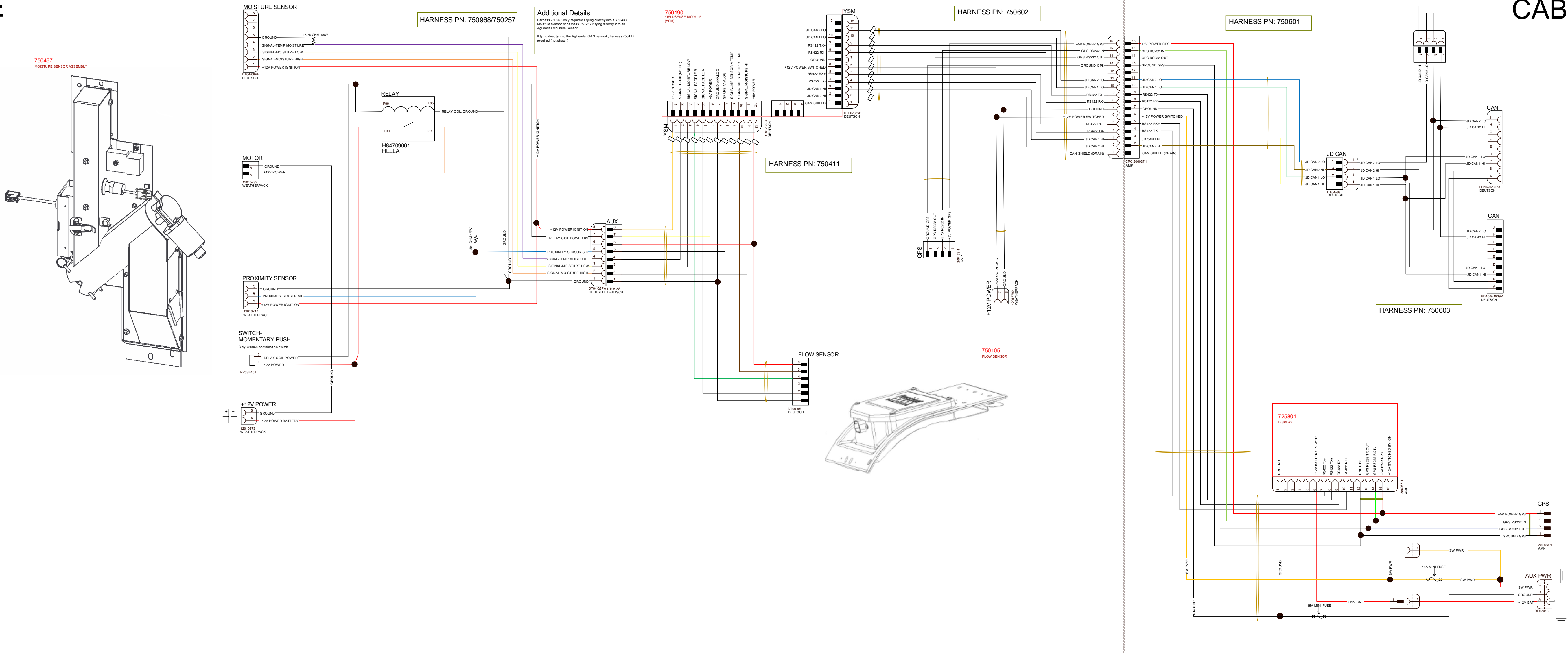
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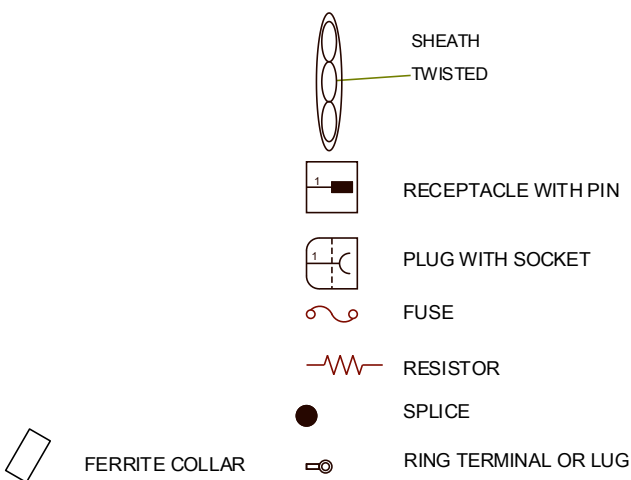
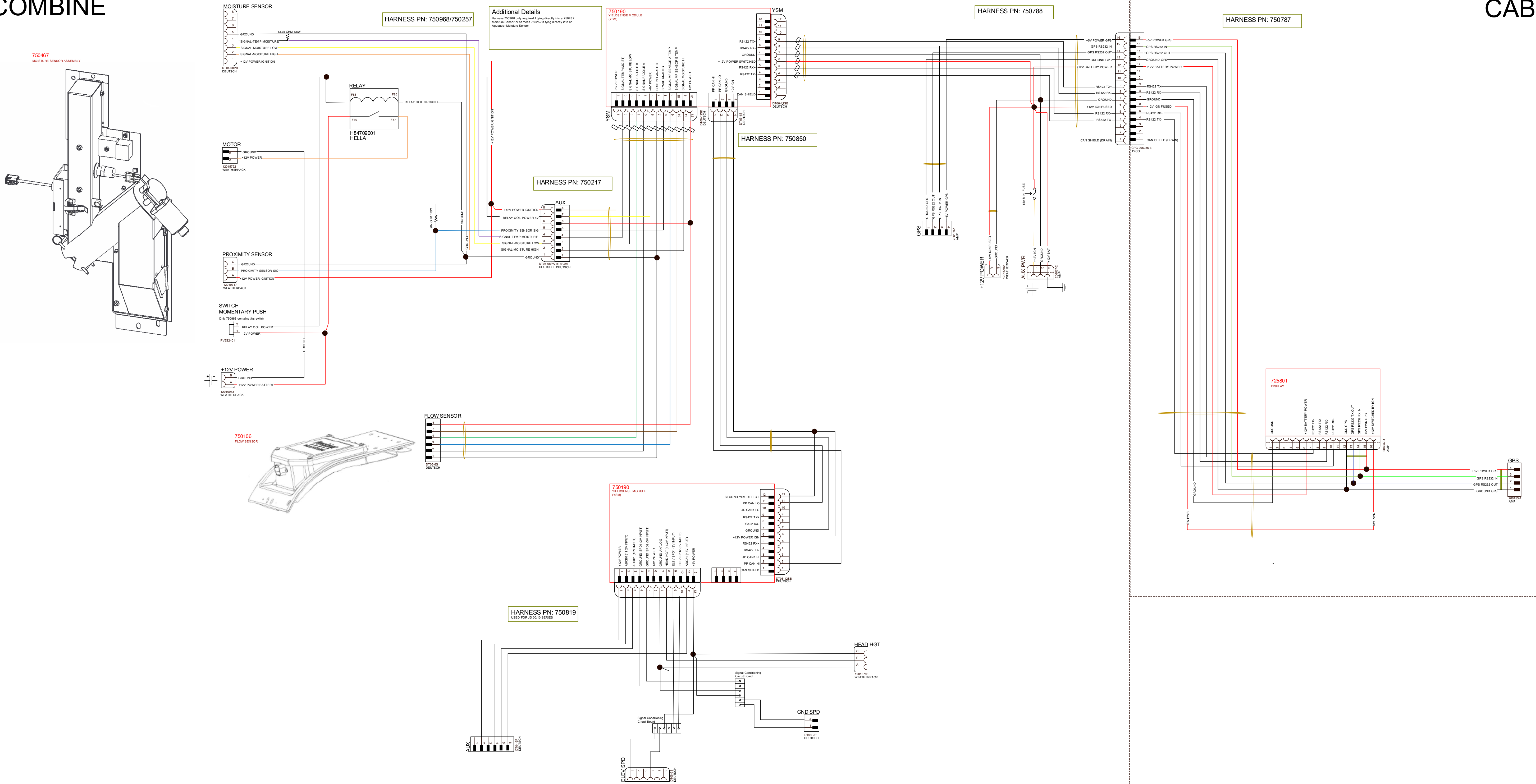
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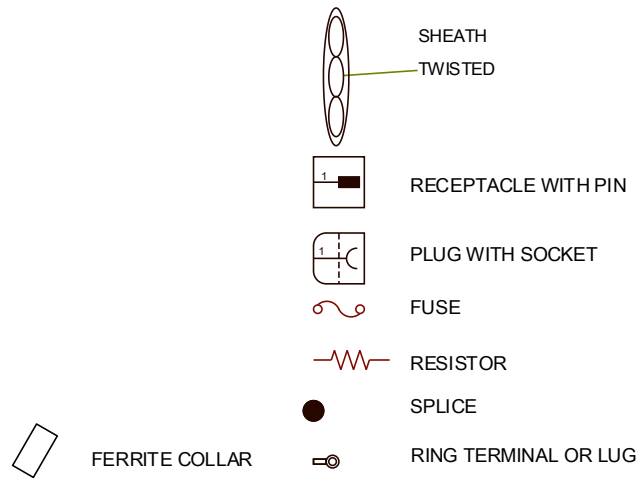
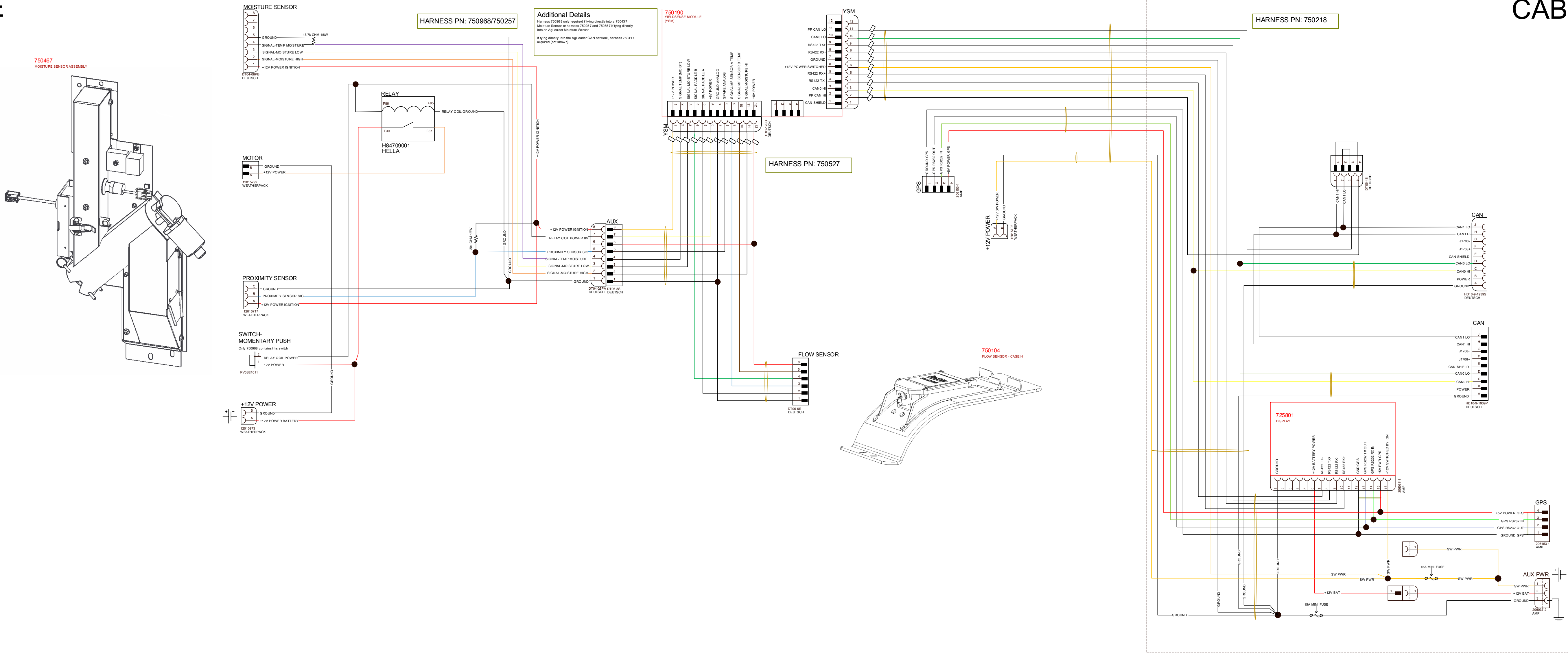
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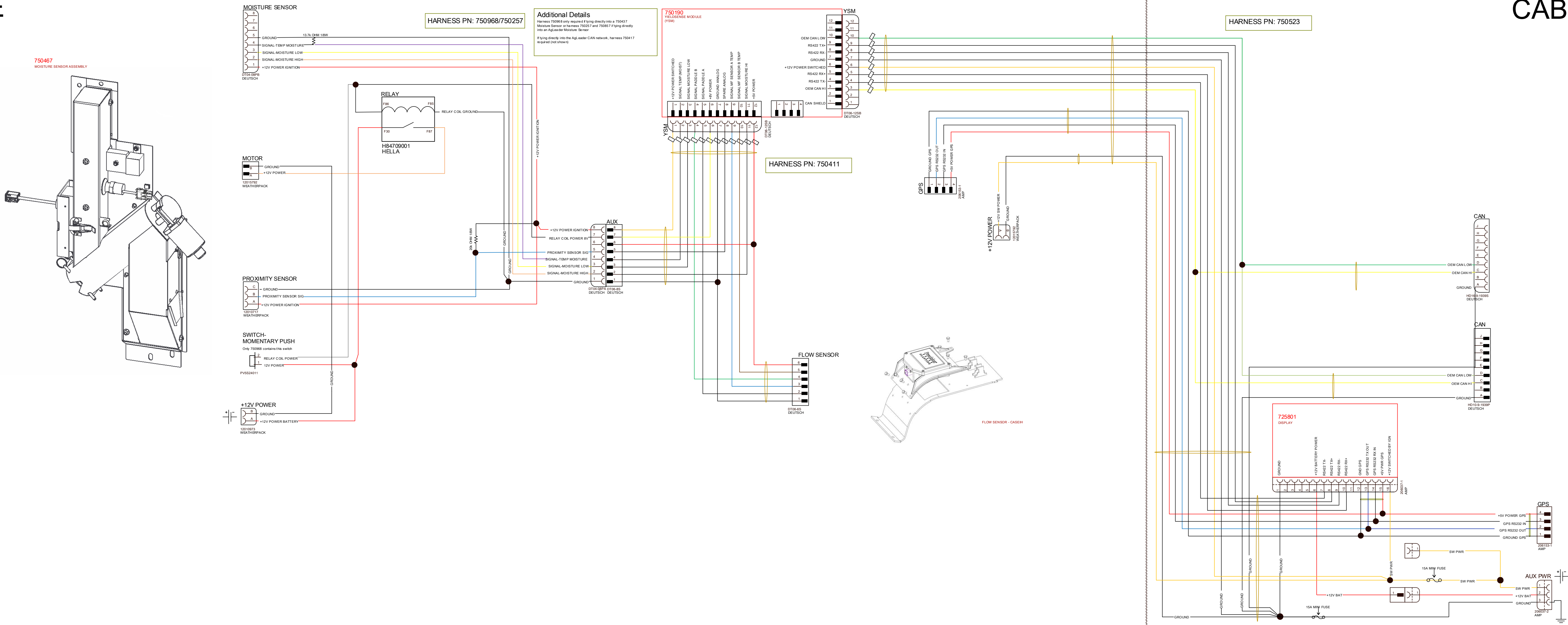
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A	PRODUCTION			
REV	DESCRIPTION	ECO#	BY	DATE
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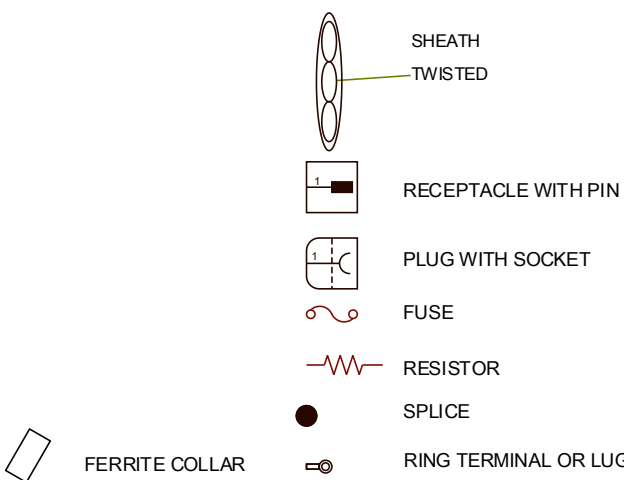
COMBINE

CAB



Additional Details
Harness 750502 only requires 4 pins directly into a 750411
Moisture Sensor or Harness 750502 and 750501 7 pins directly
into AgSense Module or HMI
If wiring directly into the AgSense CAN network, harness 750517
required (not shown)

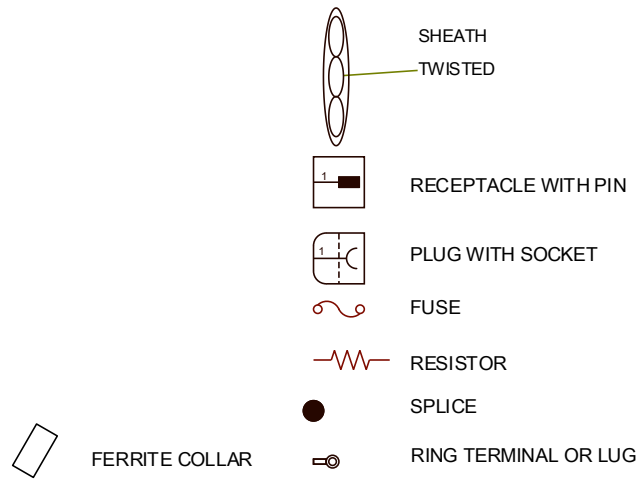
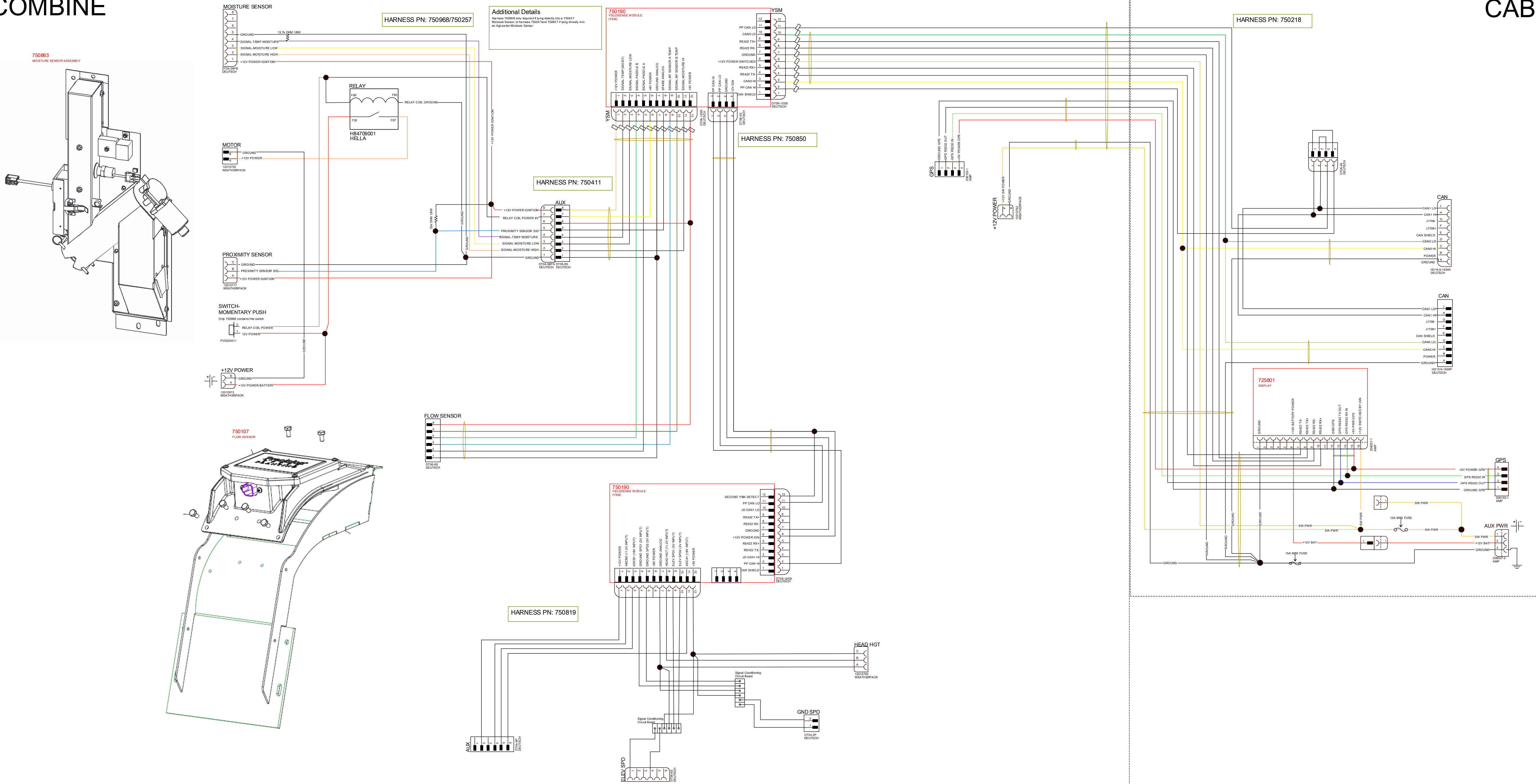
Additional Details
Ground for Relay Controller requires additional Power adapter
P/N: 750571



A	PRODUCTION			
REV	DESCRIPTION	ECO#	BY	DATE
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COMBINE

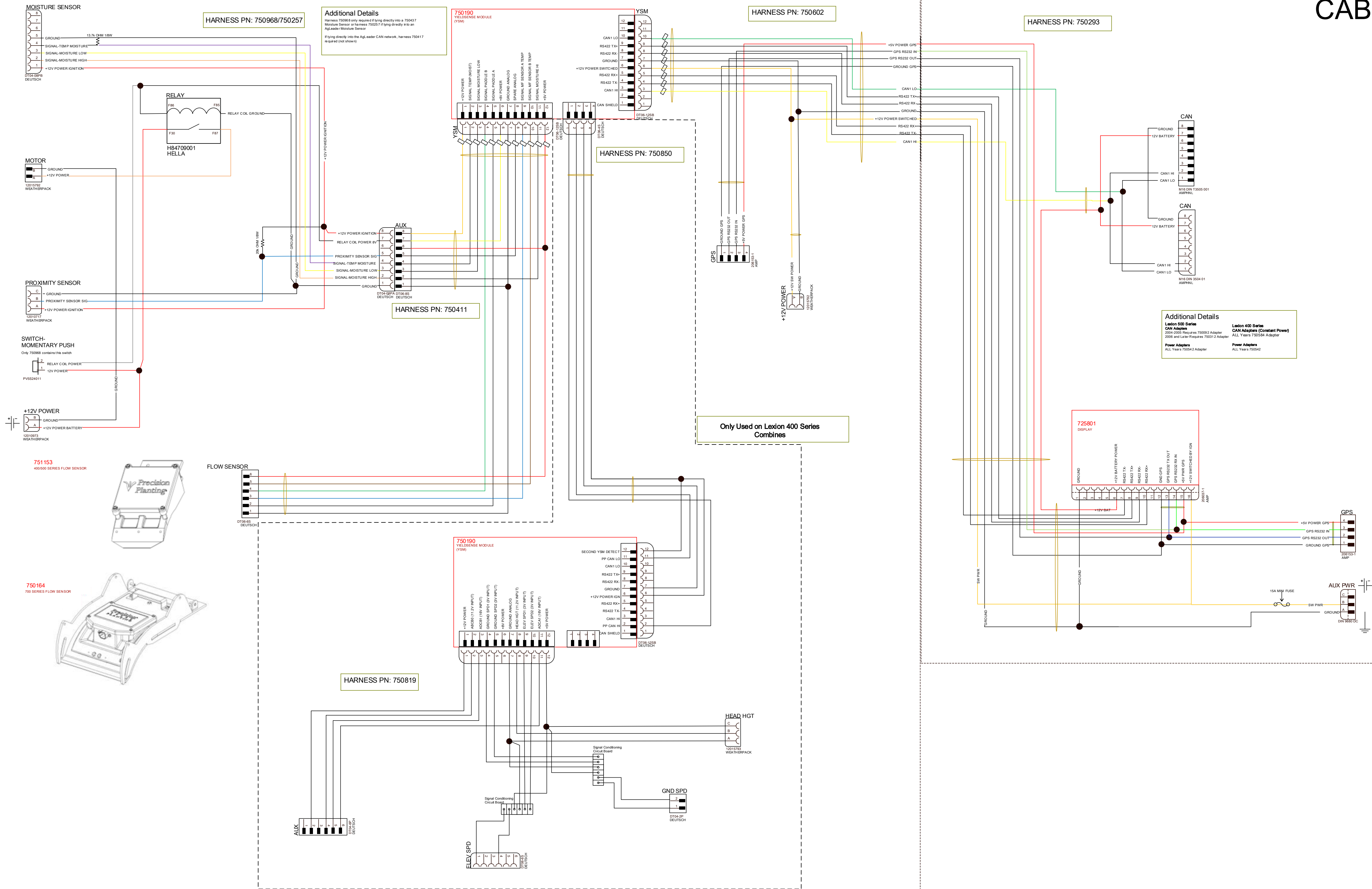
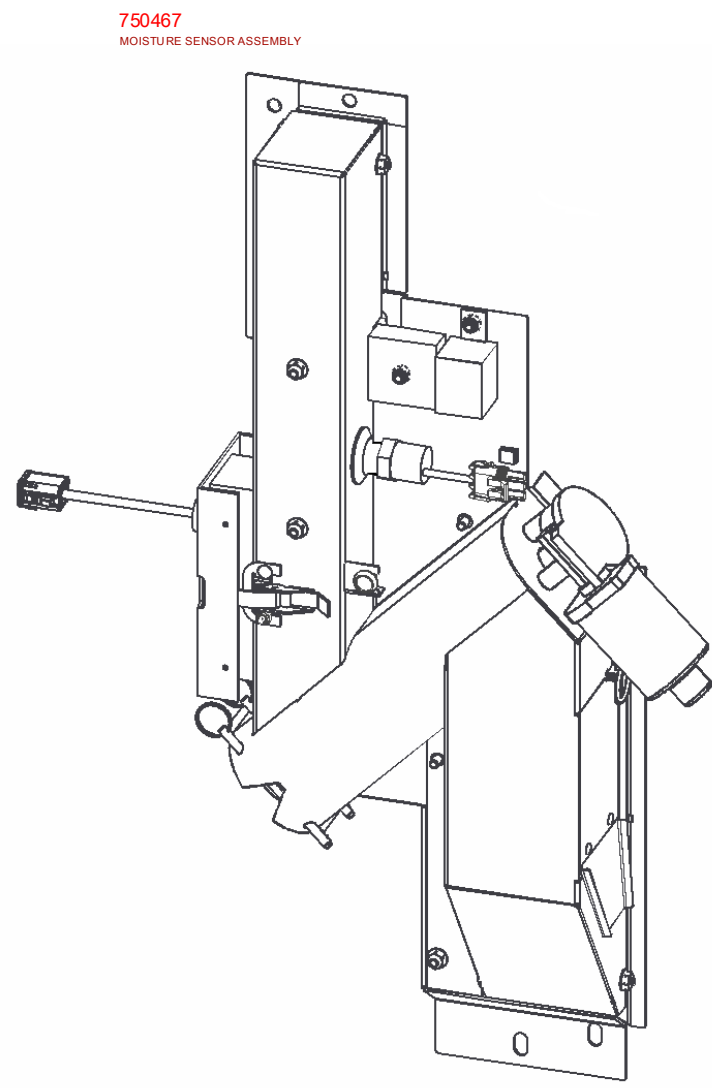
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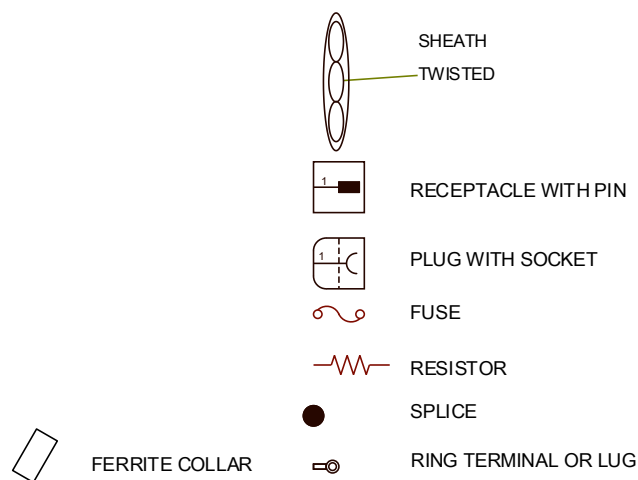
CAB



Additional Details
Harness 750819 only. If you directly wire a 750817 Moisture Sensor or to meet 750817 wiring directly into an Ag Leader Moisture Sensor.
If wiring directly into the Ag Leader CAN network, harness 750411 required (not shown).

Additional Details
Lexion 400 Series CAN Adapter
2008 and Lexion 7500 Series 2 Adapter
Power Adapter
ALL Years 75004-2 Adapter
Lexion 400 Series CAN Adapter (Constant Power)
ALL Years 75004-2 Adapter
Power Adapter
ALL Years 75004-2 Adapter

Only Used on Lexion 400 Series Combines

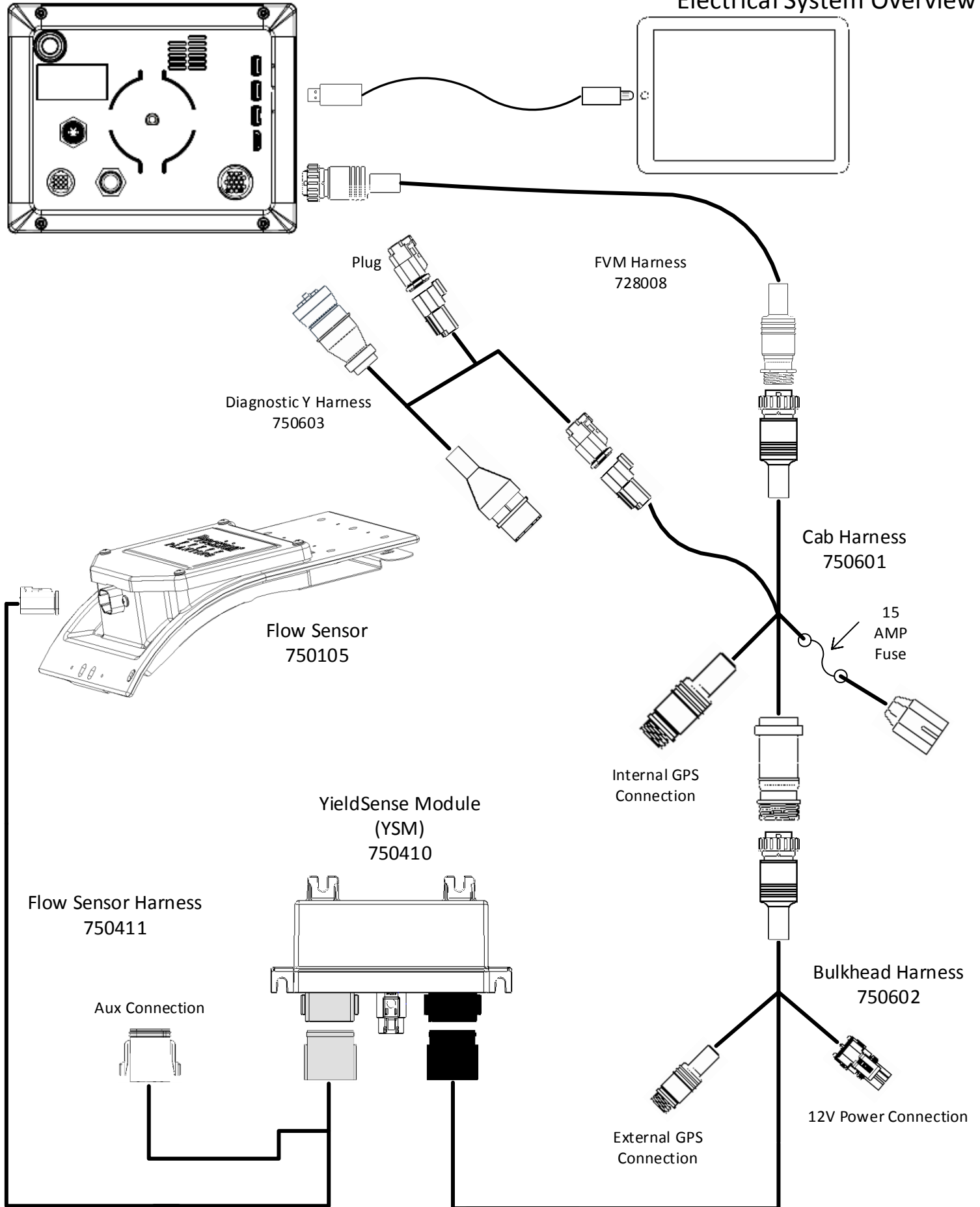


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725801

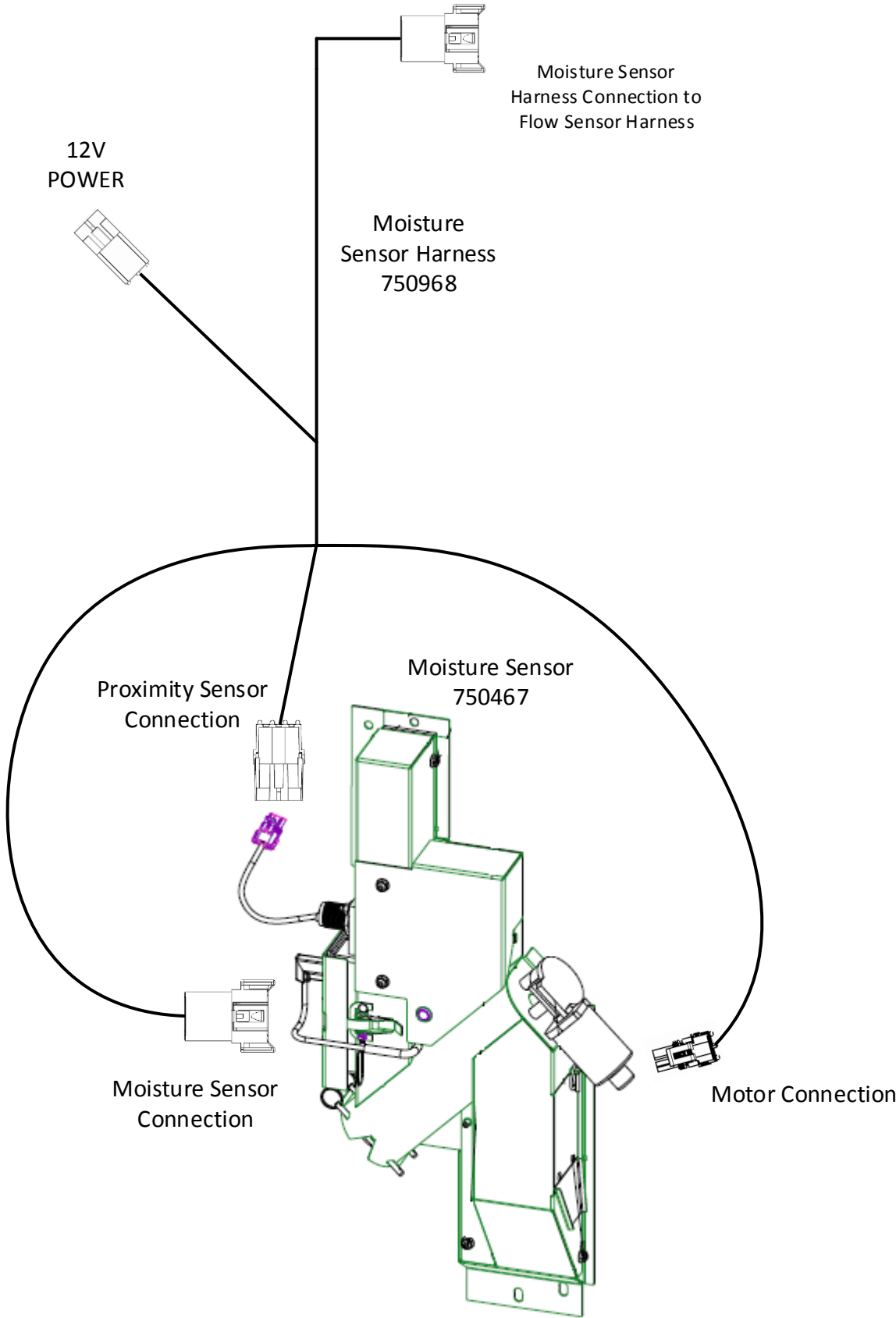
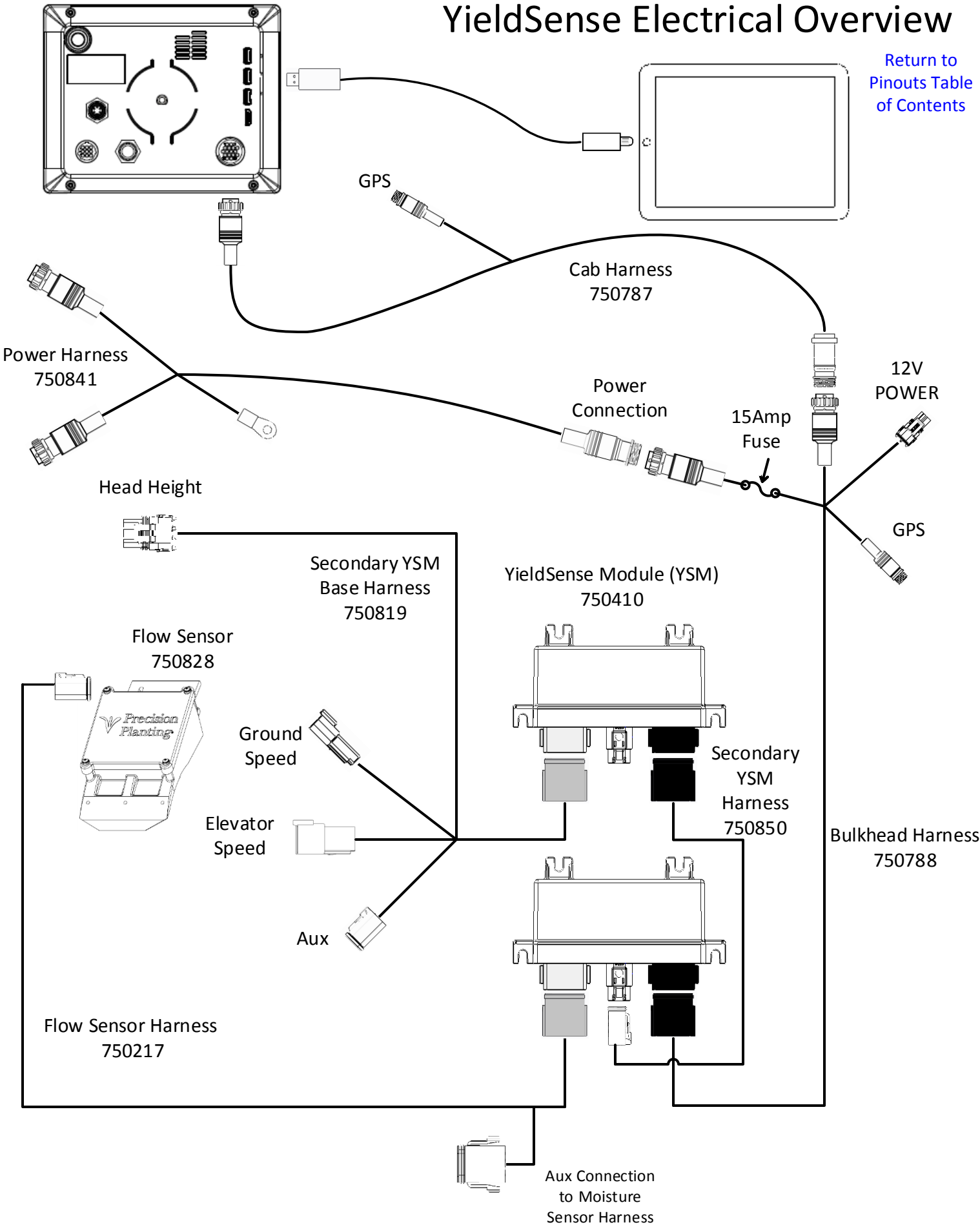
Gen 2 20/20 Display Unit

JD 50/60/70/S YieldSense Electrical System Overview



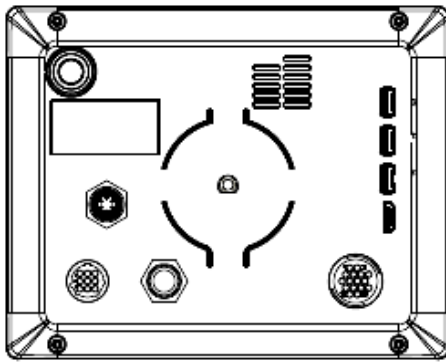
John Deere 9x00/9x10 YieldSense Electrical Overview

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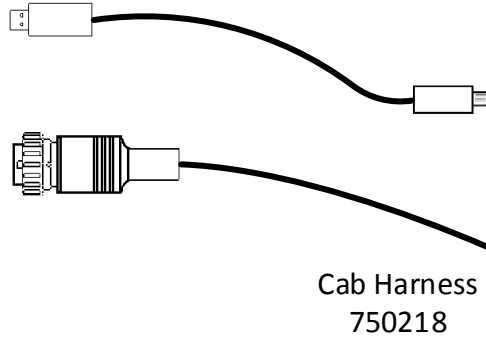


Case IH Flagship YieldSense Electrical System Overview

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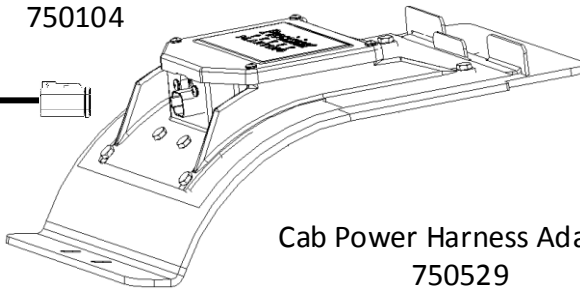


Gen 2 20/20 Display Unit
725801



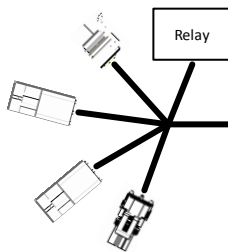
Cab Harness
750218

Flow Sensor
750104



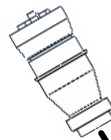
Cab Power Harness Adapter
750529

**Only required on pre 2013
machines*



Relay

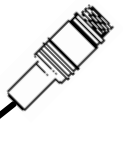
CASE CAN In



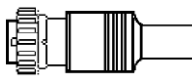
CASE CAN Out



Internal GPS
Connection



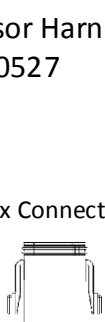
3 Pin Power
Connection



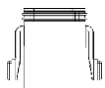
15 AMP
Fuse



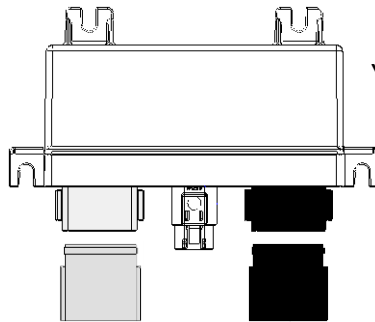
Flow Sensor Harness
750527



Aux Connection



YieldSense Module (YSM)
750410



12V Power Connection

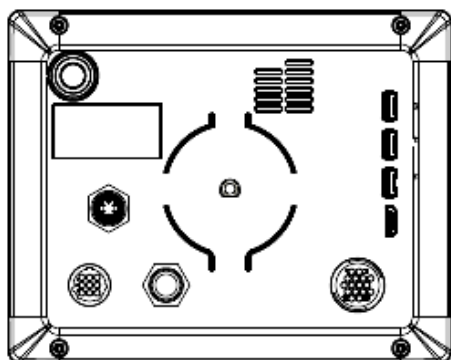


External GPS
Connection

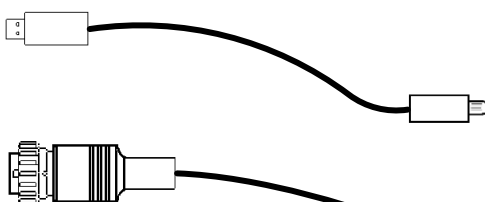


Case IH Midrange YieldSense Electrical System Overview

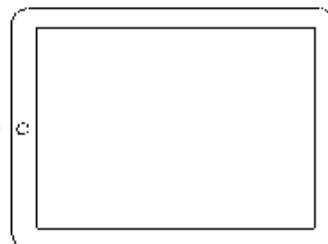
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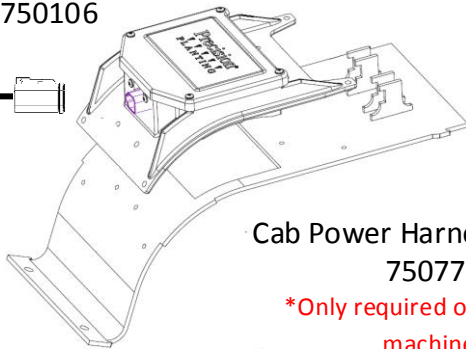
Gen 2 20/20 Display Unit
725801



Cab Harness
750523 (2016 and newer)
750218 (2015 and older)

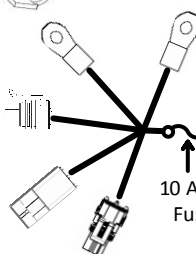


Flow Sensor
750106



Cab Power Harness Adapter
750771

**Only required on pre 2013
machines*

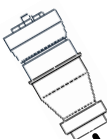


10 Amp
Fuse

3 Pin Power
Connection

15 Amp
Fuse

CASE CAN In



CASE CAN Out



Internal GPS
Connection

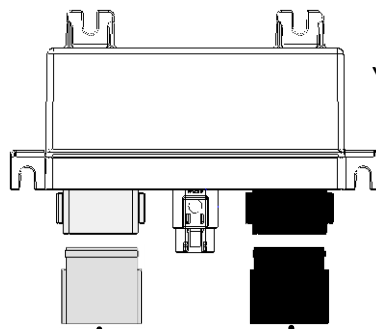


Flow Sensor Harness
750411

Aux Connection



YieldSense Module (YSM)
750410



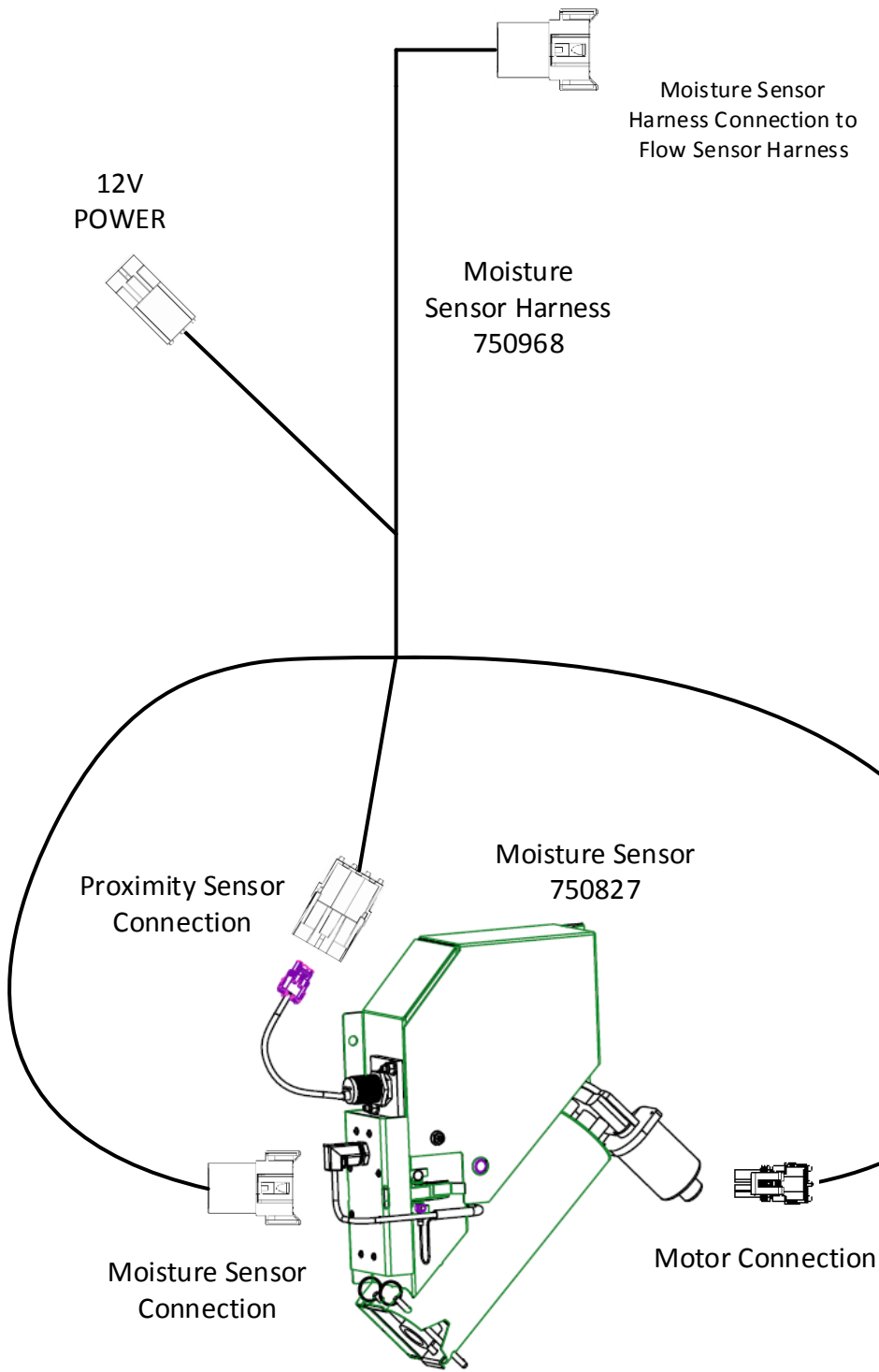
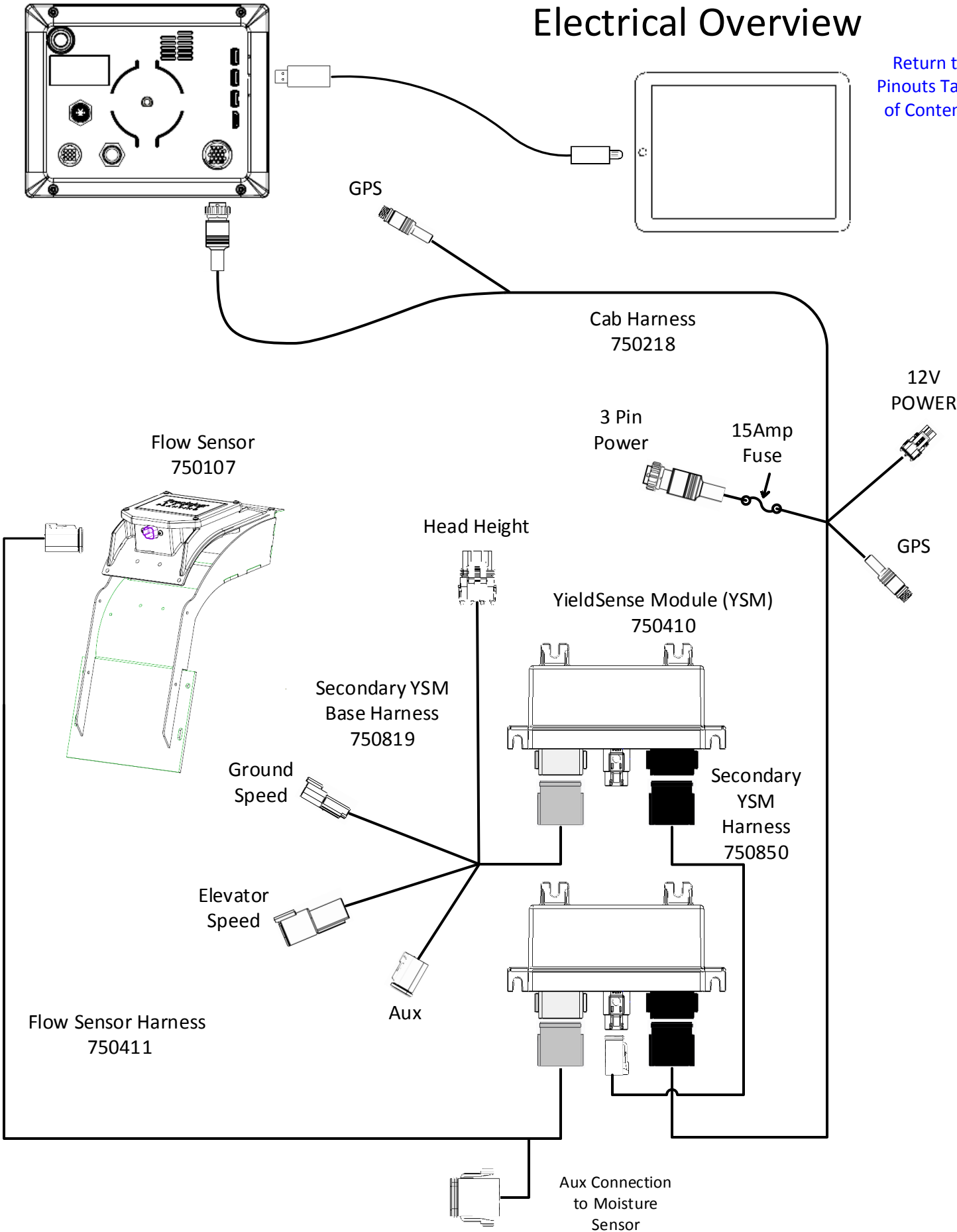
12V Power Connection

External GPS
Connection

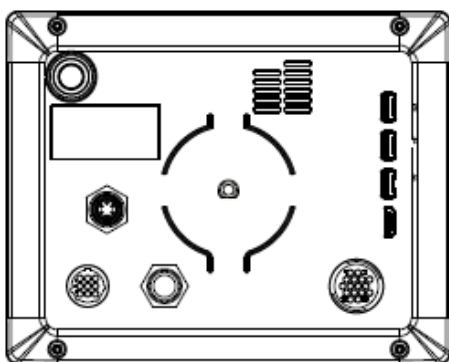


Case 2x77/2x88 YieldSense Electrical Overview

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400 Series Lexion YieldSense Electrical System Overview



725801
Gen 2 20/20 Display Unit

Cab Harness
750293

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Cab Power Harness Adapter
750584
(constant power)

Cab Power Harness Adapter
750542
(switched power)

OEM
CAN In

OEM
CAN Out

Internal GPS
Connection

3 Pin Power
Connection

15 AMP
Fuse

Primary YieldSense
Module (YSM)
750135

Secondary YieldSense
Module (YSM)
750135

Aux Connection
to Moisture
Sensor

12V Power Connection

External GPS
Connection

Head Height

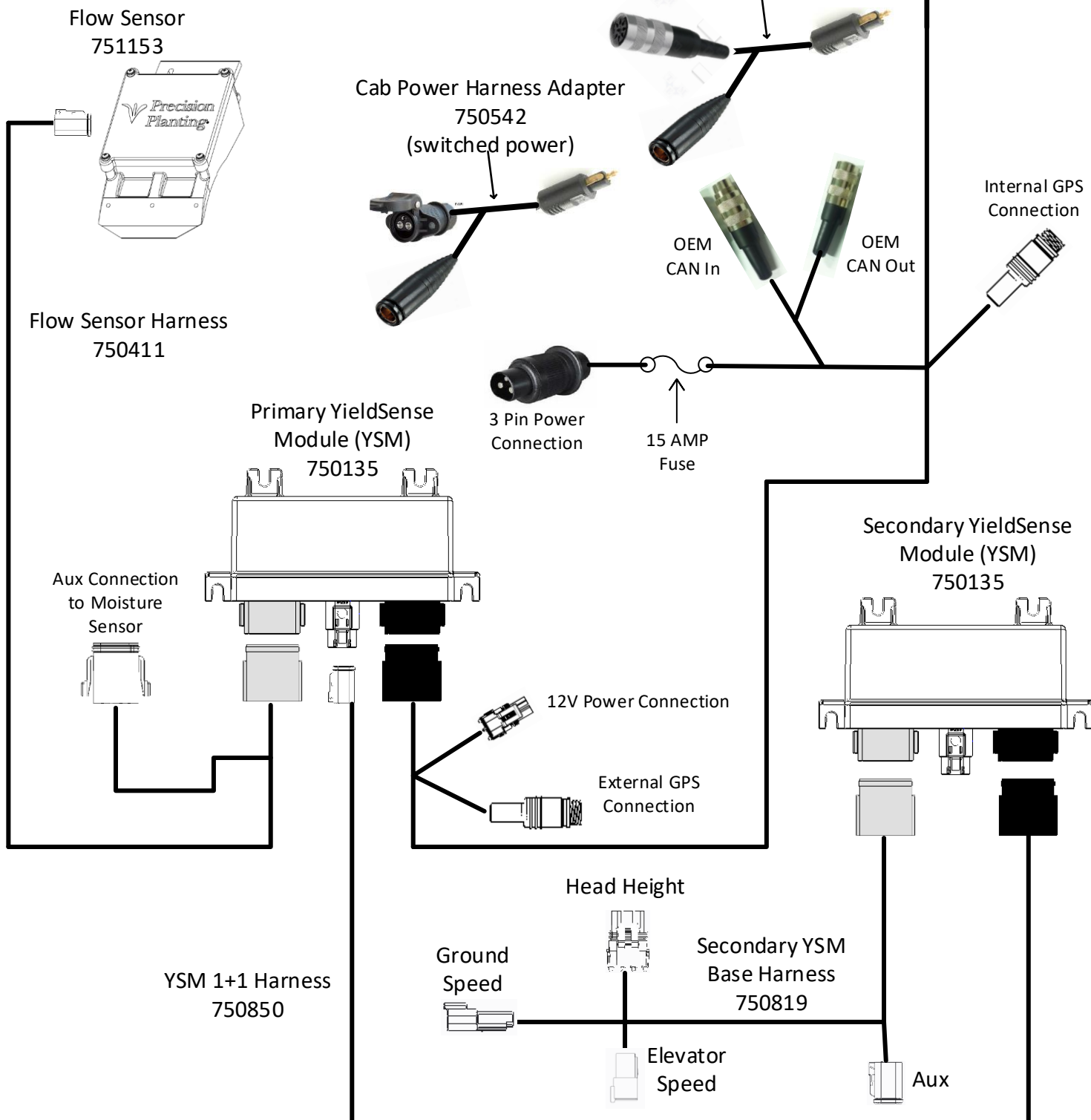
Ground
Speed

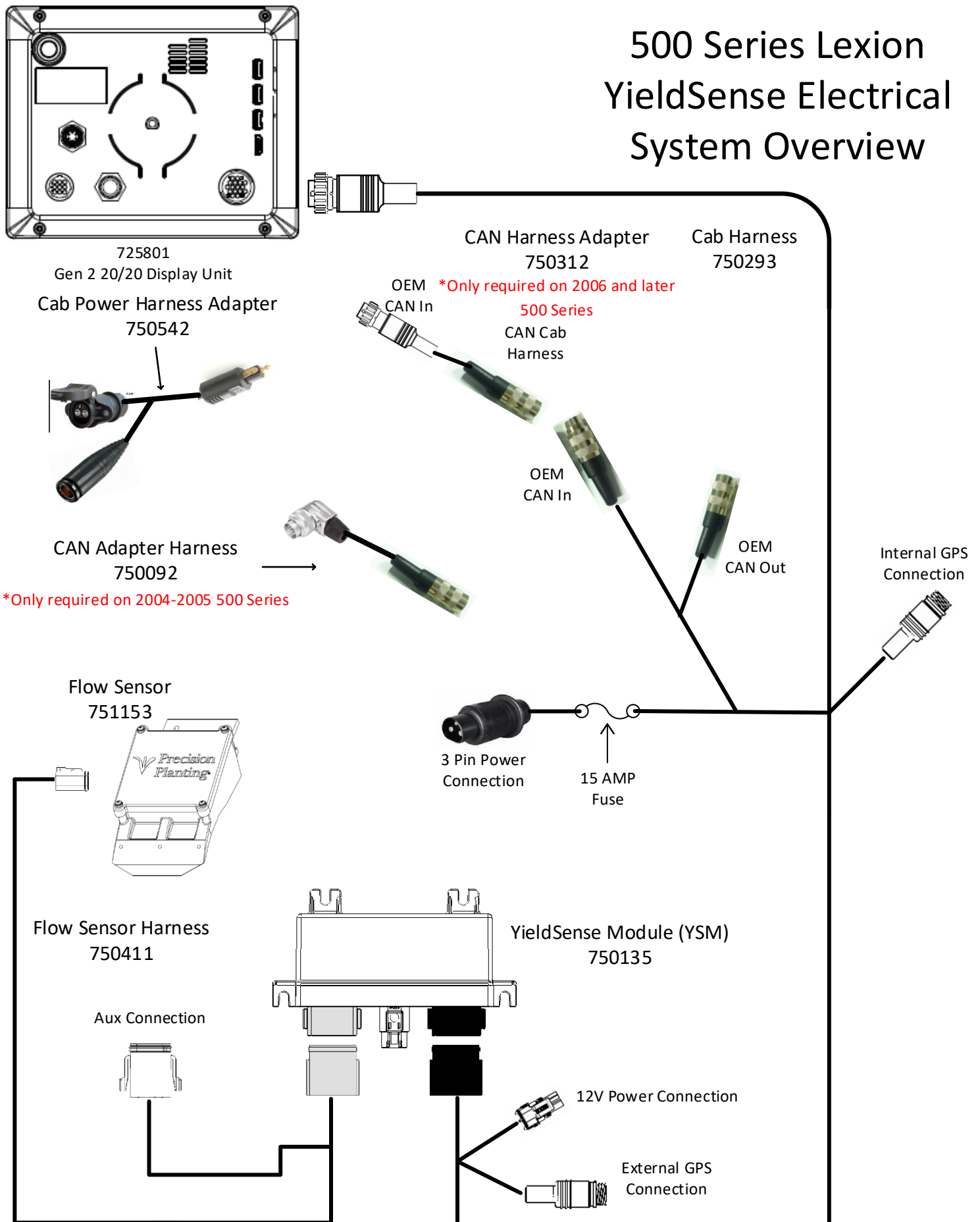
Secondary YSM
Base Harness
750819

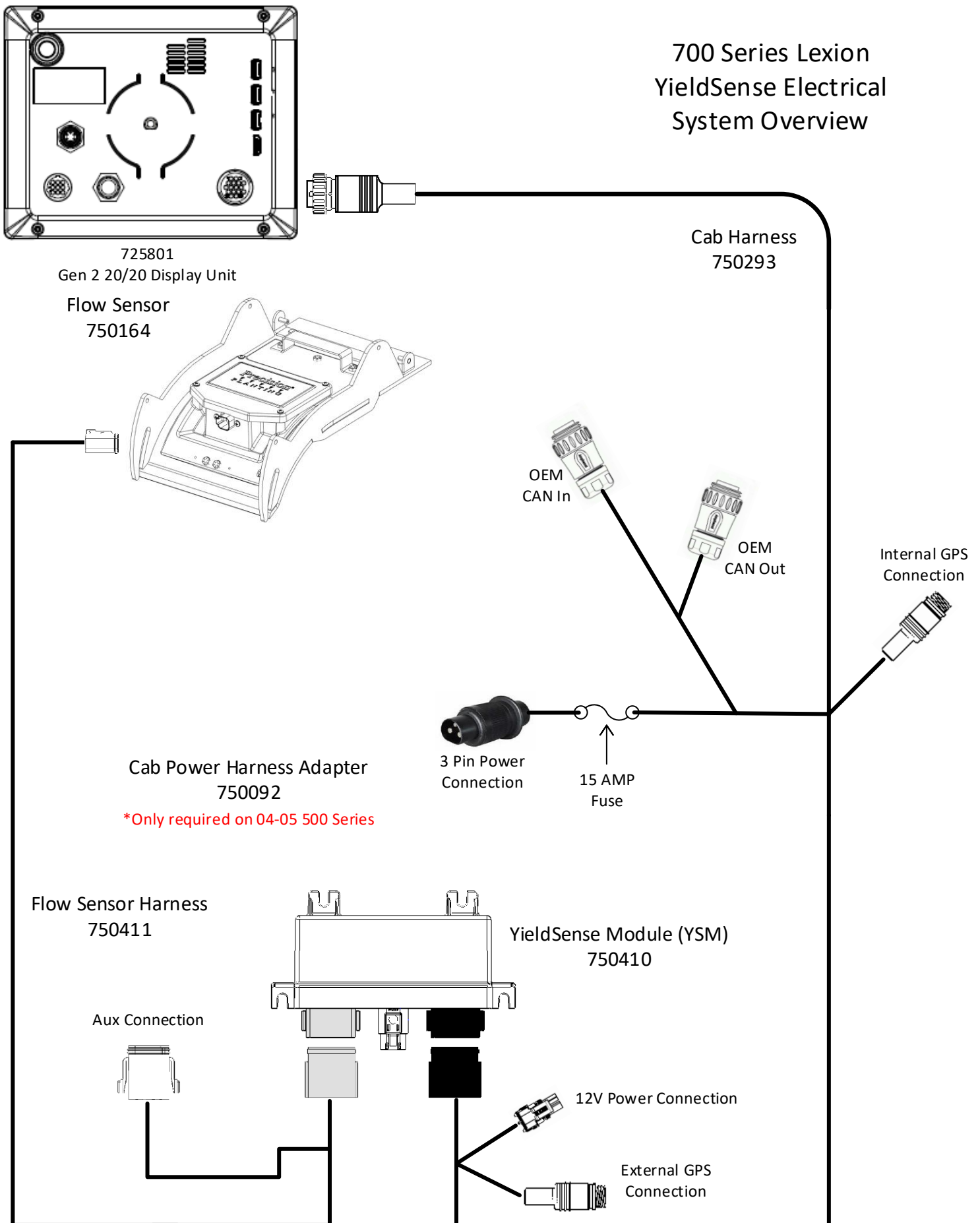
Elevator
Speed

Aux

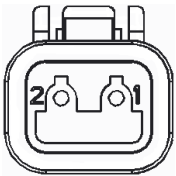
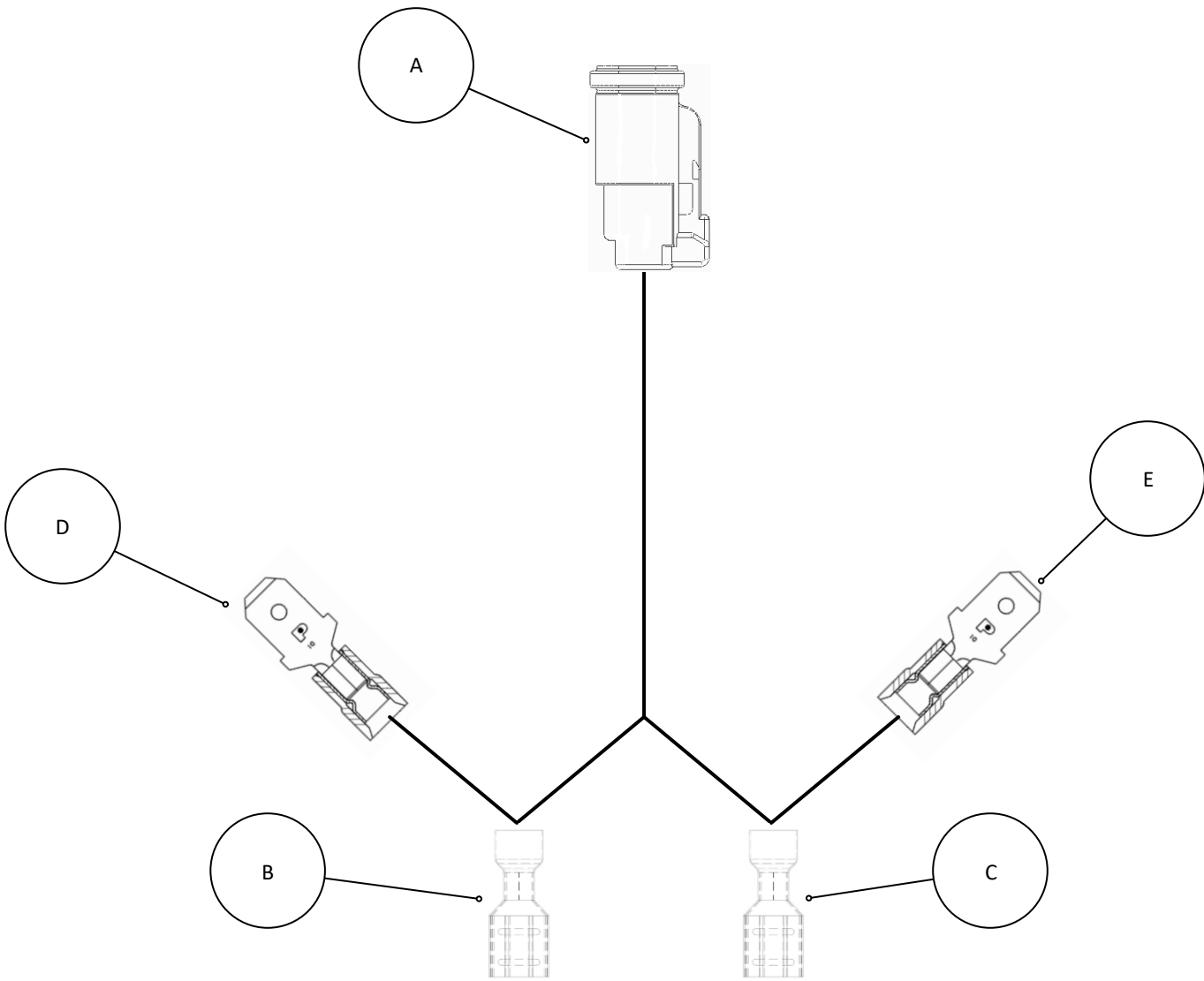
YSM 1+1 Harness
750850



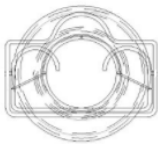




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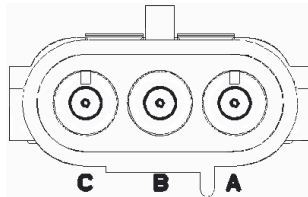
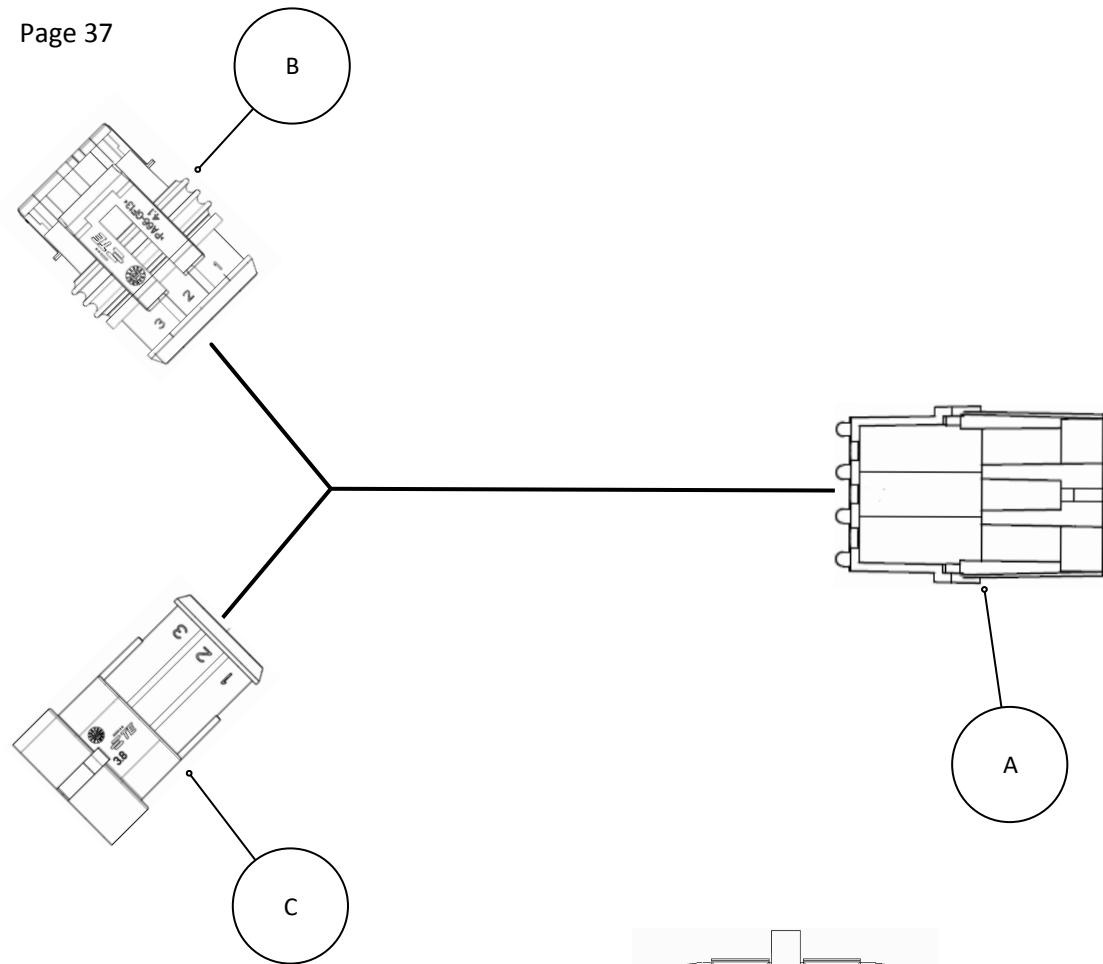
A- YSM Base Harness			
2 Pin Deutsch			
DT06-2S			
Pin	Function	Color	To
1	Signal Speed A	Black	B
2	Signal Speed B	White	C



B & C- Wheel Speed			
Female Spade Connector			
DNF14-250FIB			
Pin	Function	Color	To
B	Signal Speed A	Black	D
C	Signal Speed B	White	E



D & E Wheel Speed			
Male Spade Connector			
DNF18-250M			
Pin	Function	Color	From
D	Signal Speed A	Black	B
E	Signal Speed B	White	C



A- YSM Base Harness			
3 Pin Weatherpack			
12010717			
Pin	Function	Color	To
A			
B	Signal	White	B3,C3
C			

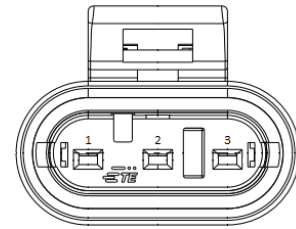
Part #

750035

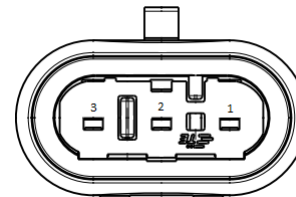
Part

Head position sensor

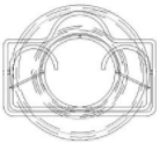
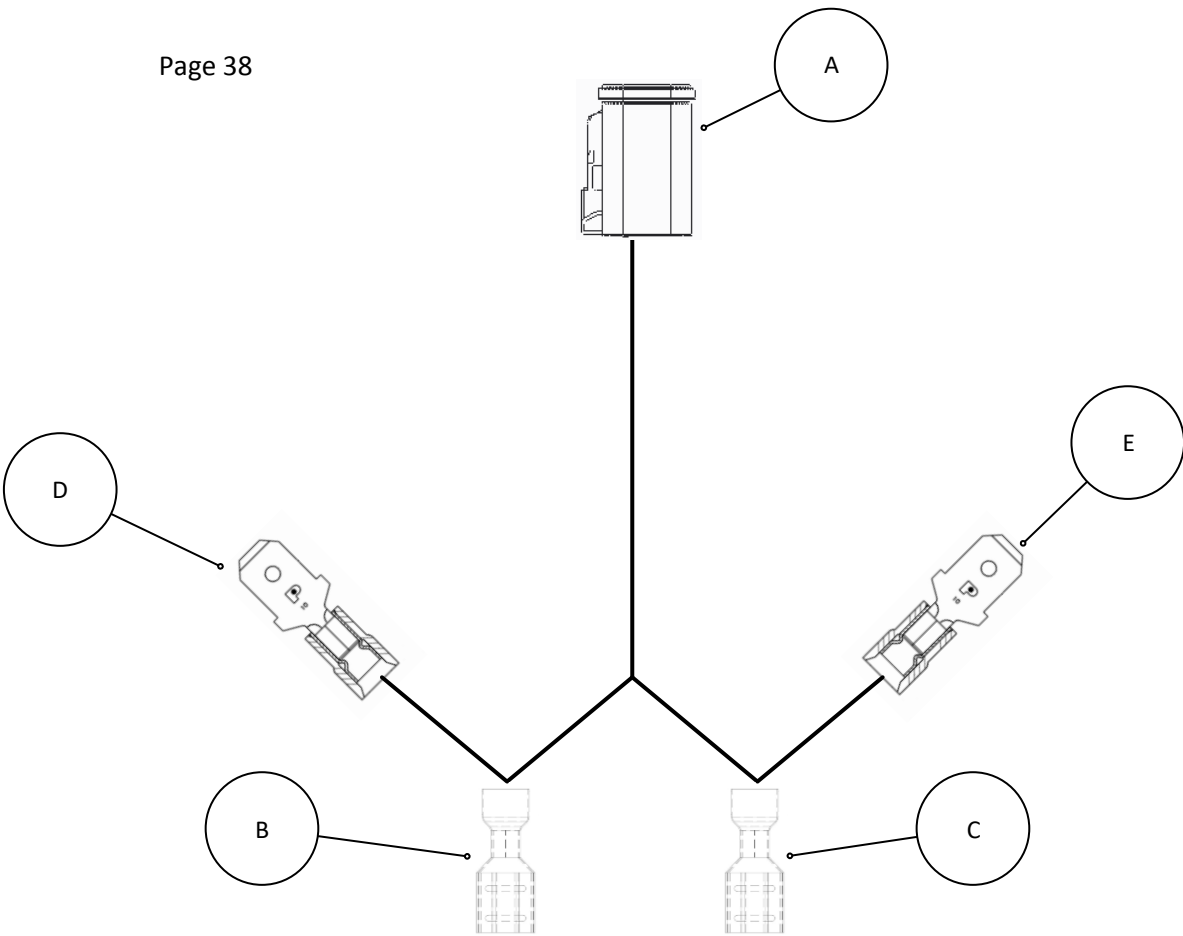
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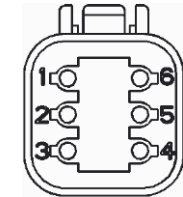
B- Head Height Sensor			
3 Pin Superseal 1.5 Plug			
282087-1			
Pin	Function	Color	To
1	Ground	Black	C1
2	5v Power	Red	C2
3	Signal	White	AB,C3



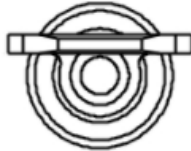
C- Head Height Sensor			
3 Pin Superseal 1.5 Receptacle			
282105-1			
Pin	Function	Color	From
1	Ground	Black	B1
2	5v Power	Red	B2
3	Signal	White	AB,B3



B & C- Wheel Speed			
Female Spade Connector			
DNF14-250FIB			
Pin	Function	Color	To
B	Signal Speed A	Black	D
C	Signal Speed B	White	E



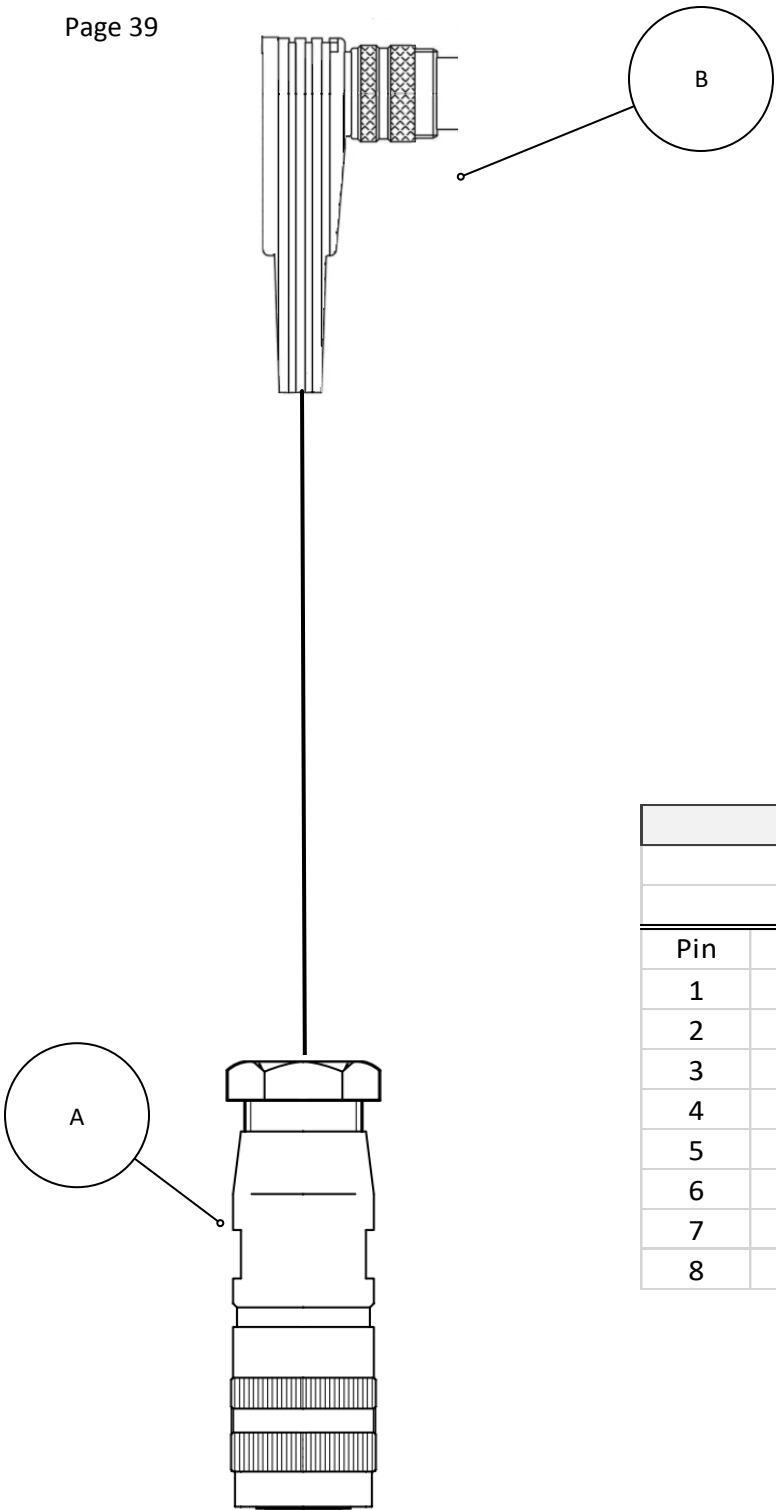
A- YSM Base Harness			
6 Pin Deutsch			
DT06-6S			
Pin	Function	Color	To
1	Signal-Speed A	Black	B
2	unused		
3	unused		
4	Signal-Speed B	White	C
5	unused		
6	unused		



D & E Wheel Speed			
Male Spade Connector			
DNF18-250M			
Pin	Function	Color	From
D	Signal Speed A	Black	B
E	Signal Speed B	White	C

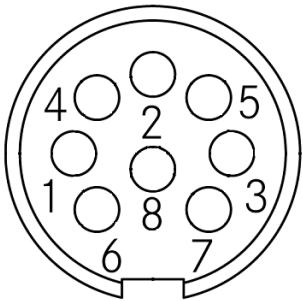
Part # 750036
Part Lexion Elevator Speed

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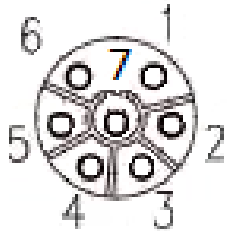


Part # **750092**
Part Lexion 500 7 Pin Can Adapter

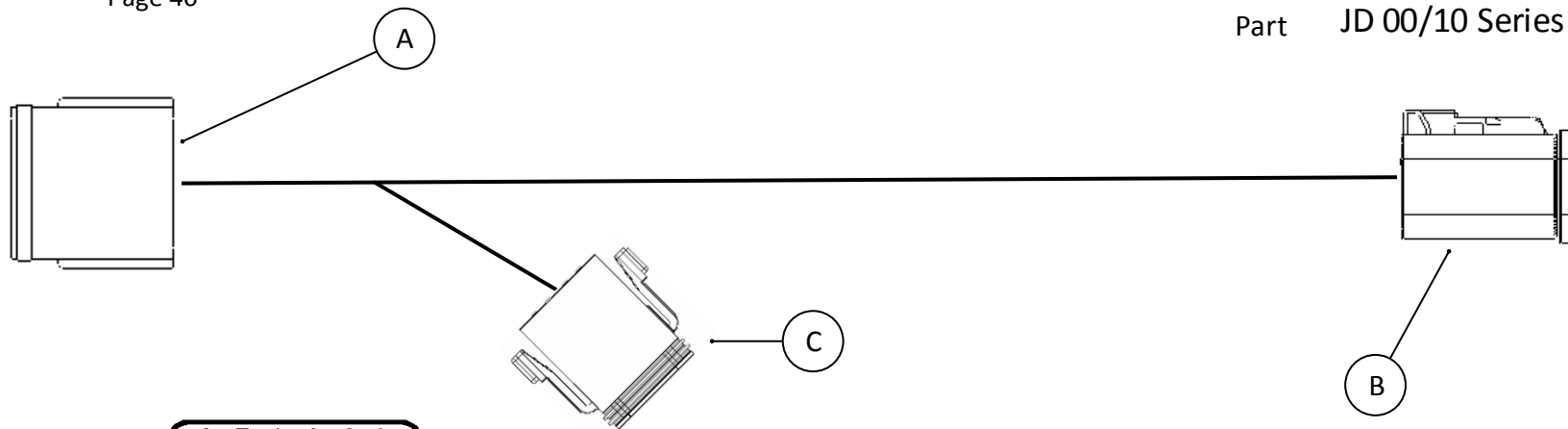
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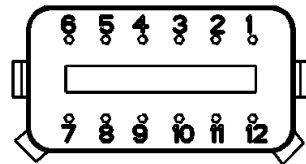
A- Diagnostic Port			
8 Pin M16 Receptacle			
T3505 001			
Pin	Function	Color	From
1	CAN LO	Green	B4
2	CAN HI	Yellow	B5
3	*		
4	*		
5	*		
6	*		
7	12v Battery	White	B6
8	*		



B- Diagnostic Port			
7 Pin M16 Plug			
T3475 005			
Pin	Function	Color	From
1	*		
2	*		
3	*		
4	CAN LO	Green	A1
5	CAN HI	Yellow	A2
6	12v Battery	White	A7
7	*		

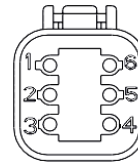


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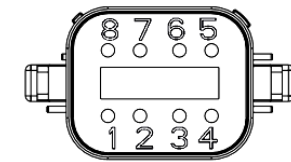
VIEW A

A - YSM Connector			
Deutsch 12 Pin Plug			
DT06-12SA			
Pin	Function	Color	To
1	Power (12V)	Orange	C8
2	Signal - Temperature (Moisture)	-	C4
3	Signal - Moisture LO	-	C3
4	Signal - Sensor B	Green	B4
5	Signal - Sensor A	White	B2
6	Power (8V)	Yellow	C7
7	Ground	Black	B1, C1
8	Spare Analog (0-8V)	-	C5
9	Signal - Sensor A Temperature	Blue	B3
10	Signal - Sensor B Temperature	Brown	B5
11	Signal - Moisture HI	-	C2
12	Power (5V)	Red	B6, C6



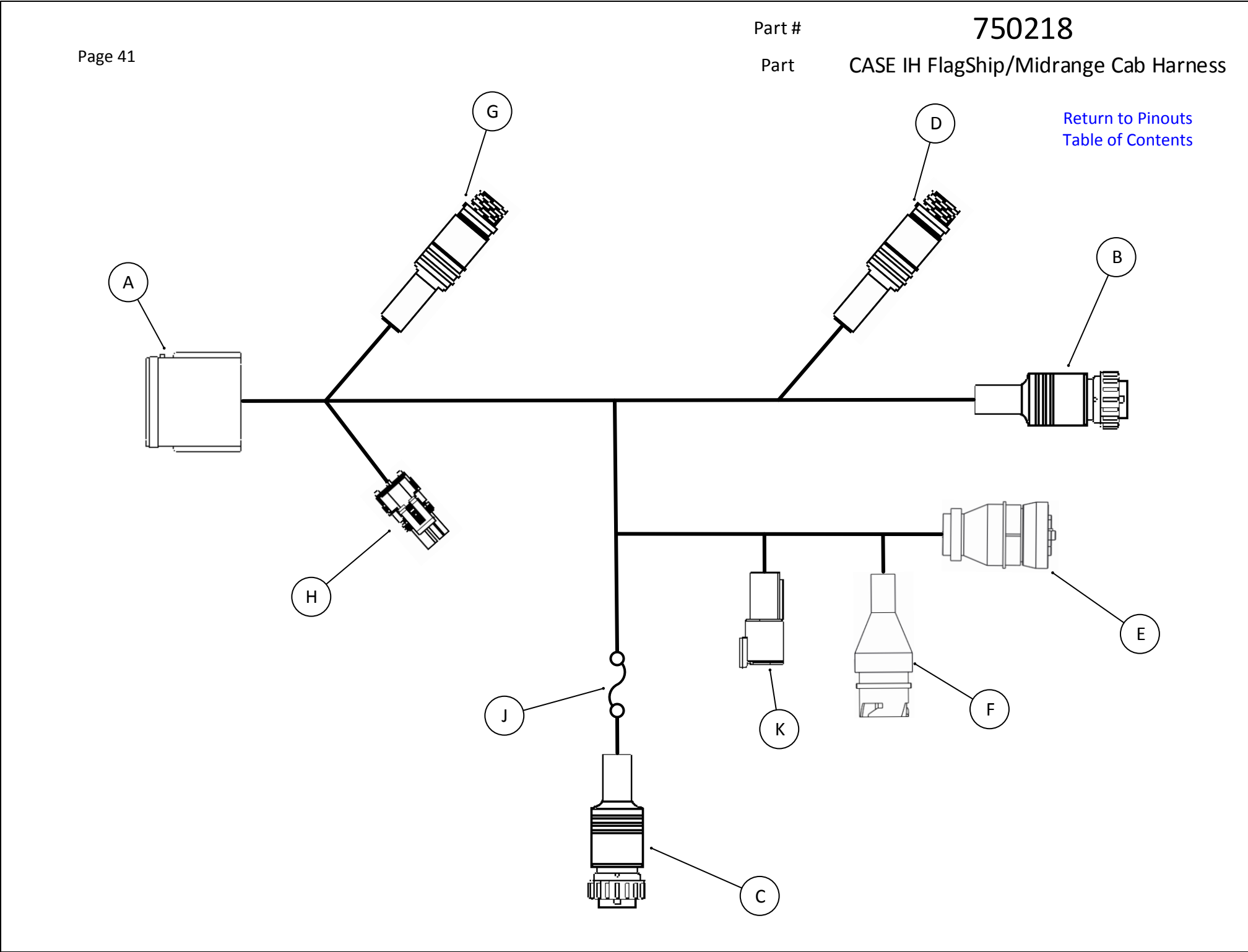
VIEW B

B - FlowSensor Connector			
Deutsch 6 Pin Plug			
DT06-6S			
Pin	Function	Color	To
1	Ground	Black	A7, C1
2	Signal - Sensor A	White	A5
3	Signal - Sensor A Temperature	Blue	A9
4	Signal - Sensor B	Green	A4
5	Signal - Sensor B Temperature	Brown	A10
6	Power (5V)	Red	A12, C6

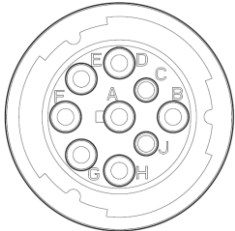


VIEW C

C - Moisture Sensor Connector			
Deutsch 8 Pin Plug			
DT06-8S			
Pin	Function	Color	To
1	Ground	Black	A7, B1
2	Signal - Moisture HI	-	A11
3	Signal - Moisture LO	-	A3
4	Signal - Temperature (Moisture)	-	A2
5	Spare Analog (0-8V)	-	A8
6	Power (5V)	Red	A12, B6
7	Power (8V)	Yellow	A6
8	Power (12V)	Orange	A1

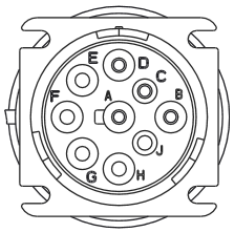


VIEW A	VIEW B	VIEW C	VIEW D & G																																																																																																																																																																																																																																												
<table><tr><th colspan="4">A - YSM Connector</th></tr><tr><th colspan="4">Deutsch 12 Pin Plug</th></tr><tr><th colspan="4">DT06-12SB</th></tr><tr><th>Pin</th><th>Function</th><th>Color</th><th>To</th></tr><tr><td>1</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2</td><td>Precision Planting CAN HI</td><td>-</td><td>K4</td></tr><tr><td>3</td><td>CAN0 HI</td><td>Yellow</td><td>EC, FC</td></tr><tr><td>4</td><td>RS-422 TX-</td><td>-</td><td>B7</td></tr><tr><td>5</td><td>RS-422 RX+</td><td>-</td><td>B10</td></tr><tr><td>6</td><td>Switched Power (12V Fused)</td><td>Red</td><td>B16, J2, HA</td></tr><tr><td>7</td><td>Ground</td><td>Black</td><td>B1, C3, HB</td></tr><tr><td>8</td><td>RS-422 RX-</td><td>-</td><td>B9</td></tr><tr><td>9</td><td>RS-422 TX+</td><td>-</td><td>B8</td></tr><tr><td>10</td><td>CAN0 LO</td><td>Green</td><td>ED, FD</td></tr><tr><td>11</td><td>Precision Planting CAN LO</td><td>-</td><td>K3</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td></tr></table>	A - YSM Connector				Deutsch 12 Pin Plug				DT06-12SB				Pin	Function	Color	To	1	-	-	-	2	Precision Planting CAN HI	-	K4	3	CAN0 HI	Yellow	EC, FC	4	RS-422 TX-	-	B7	5	RS-422 RX+	-	B10	6	Switched Power (12V Fused)	Red	B16, J2, HA	7	Ground	Black	B1, C3, HB	8	RS-422 RX-	-	B9	9	RS-422 TX+	-	B8	10	CAN0 LO	Green	ED, FD	11	Precision Planting CAN LO	-	K3	12	-	-	-	<table><tr><th colspan="4">B - Display Connector</th></tr><tr><th colspan="4">AMP 16 Pin Plug</th></tr><tr><th colspan="4">206037-1</th></tr><tr><th>Pin</th><th>Function</th><th>Color</th><th>To</th></tr><tr><td>1</td><td>Ground</td><td>Black</td><td>A7, C3, HB</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>Battery Power</td><td>White</td><td>C2</td></tr><tr><td>7</td><td>RS-122 TX-</td><td>-</td><td>A4</td></tr><tr><td>8</td><td>RS-122 TX+</td><td>-</td><td>A9</td></tr><tr><td>9</td><td>RS-122 RX-</td><td>-</td><td>A8</td></tr><tr><td>10</td><td>RS-122 RX+</td><td>-</td><td>A5</td></tr><tr><td>11</td><td>-</td><td>-</td><td>-</td></tr><tr><td>12</td><td>GPS Ground</td><td>Black</td><td>D1, G1</td></tr><tr><td>13</td><td>Receive from GPS</td><td>White</td><td>D2, G2</td></tr><tr><td>14</td><td>Transmit to GPS</td><td>Green</td><td>D3, G3</td></tr><tr><td>15</td><td>Power (5V GPS)</td><td>Red</td><td>D4, G4</td></tr><tr><td>16</td><td>Switched Power (12V Fused)</td><td>Red</td><td>A6, J2, HA</td></tr></table>	B - Display Connector				AMP 16 Pin Plug				206037-1				Pin	Function	Color	To	1	Ground	Black	A7, C3, HB	2	-	-	-	3	-	-	-	4	-	-	-	5	-	-	-	6	Battery Power	White	C2	7	RS-122 TX-	-	A4	8	RS-122 TX+	-	A9	9	RS-122 RX-	-	A8	10	RS-122 RX+	-	A5	11	-	-	-	12	GPS Ground	Black	D1, G1	13	Receive from GPS	White	D2, G2	14	Transmit to GPS	Green	D3, G3	15	Power (5V GPS)	Red	D4, G4	16	Switched Power (12V Fused)	Red	A6, J2, HA	<table><tr><th colspan="4">C - Power Connector</th></tr><tr><th colspan="4">Amp 3 Pin Plug</th></tr><tr><th colspan="4">206037-2</th></tr><tr><th>Pin</th><th>Function</th><th>Color</th><th>To</th></tr><tr><td>1</td><td>Switched Power (12V Unfused)</td><td>Orange</td><td>J1</td></tr><tr><td>2</td><td>Battery Power (12V)</td><td>Red</td><td>B6</td></tr><tr><td>3</td><td>Ground</td><td>Black</td><td>A7, B1, HB</td></tr></table>	C - Power Connector				Amp 3 Pin Plug				206037-2				Pin	Function	Color	To	1	Switched Power (12V Unfused)	Orange	J1	2	Battery Power (12V)	Red	B6	3	Ground	Black	A7, B1, HB	<table><tr><th colspan="4">D - GPS Connector</th></tr><tr><th colspan="4">Amp 4 Pin Receptacle</th></tr><tr><th colspan="4">206153-1</th></tr><tr><th>Pin</th><th>Function</th><th>Color</th><th>To</th></tr><tr><td>1</td><td>Ground</td><td>Black</td><td>B12, G1</td></tr><tr><td>2</td><td>Transmit</td><td>White</td><td>B13, G2</td></tr><tr><td>3</td><td>Receive</td><td>Green</td><td>B14, G3</td></tr><tr><td>4</td><td>Power (5V)</td><td>Red</td><td>B15, G4</td></tr></table> <table><tr><th colspan="4">G - GPS Connector</th></tr><tr><th colspan="4">Amp 4 Pin Receptacle</th></tr><tr><th colspan="4">206153-1</th></tr><tr><th>Pin</th><th>Function</th><th>Color</th><th>To</th></tr><tr><td>1</td><td>Ground</td><td>Black</td><td>B12, D1</td></tr><tr><td>2</td><td>Transmit</td><td>White</td><td>B13, D2</td></tr><tr><td>3</td><td>Receive</td><td>Green</td><td>B14, D3</td></tr><tr><td>4</td><td>Power (5V)</td><td>Red</td><td>B15, D4</td></tr></table>	D - GPS Connector				Amp 4 Pin Receptacle				206153-1				Pin	Function	Color	To	1	Ground	Black	B12, G1	2	Transmit	White	B13, G2	3	Receive	Green	B14, G3	4	Power (5V)	Red	B15, G4	G - GPS Connector				Amp 4 Pin Receptacle				206153-1				Pin	Function	Color	To	1	Ground	Black	B12, D1	2	Transmit	White	B13, D2	3	Receive	Green	B14, D3	4	Power (5V)	Red	B15, D4
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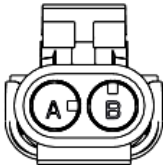
VIEW E

E - OEM CAN In Connector			
Deutsch 9 Pin Plug			
HD16-9-1939S			
Pin	Function	Color	To
A	-	-	-
B	-	-	-
C	CAN0 HI	Yellow	A3, FC
D	CAN0 LO	Green	A10, FD
E	-	-	-
F	-	-	-
G	-	-	-
H	CAN1 HI	Yellow	FH, K1
J	CAN1 LO	Green	FJ, K2



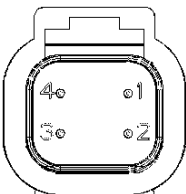
VIEW F

F - OEM CAN Out Connector			
Deutsch 9 Pin Plug			
HD16-9-1939S			
Pin	Function	Color	To
A	-	-	-
B	-	-	-
C	CAN0 HI	Yellow	A3, EC
D	CAN0 LO	Green	A10, ED
E	-	-	-
F	-	-	-
G	-	-	-
H	CAN1 HI	Yellow	EH, K1
J	CAN1 LO	Green	EJ, K2



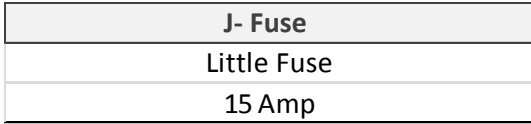
VIEW H

H - Power Connector			
Weatherpack 2 Pin Plug			
12015792			
Pin	Function	Color	To
A	Switched Power (12V Fused)	Red	A6, B16, J2
B	Ground	Black	A7, B1, C3



VIEW K

K - OEM CAN1 Break			
Deutsch 4 Pin Receptacle			
DT04-4P			
Pin	Function	Color	To
1	CAN1 HI	Yellow	EH, FH
2	CAN1 LO	Green	EJ, FJ
3	-	-	-
4	-	-	-

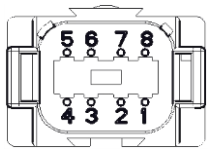
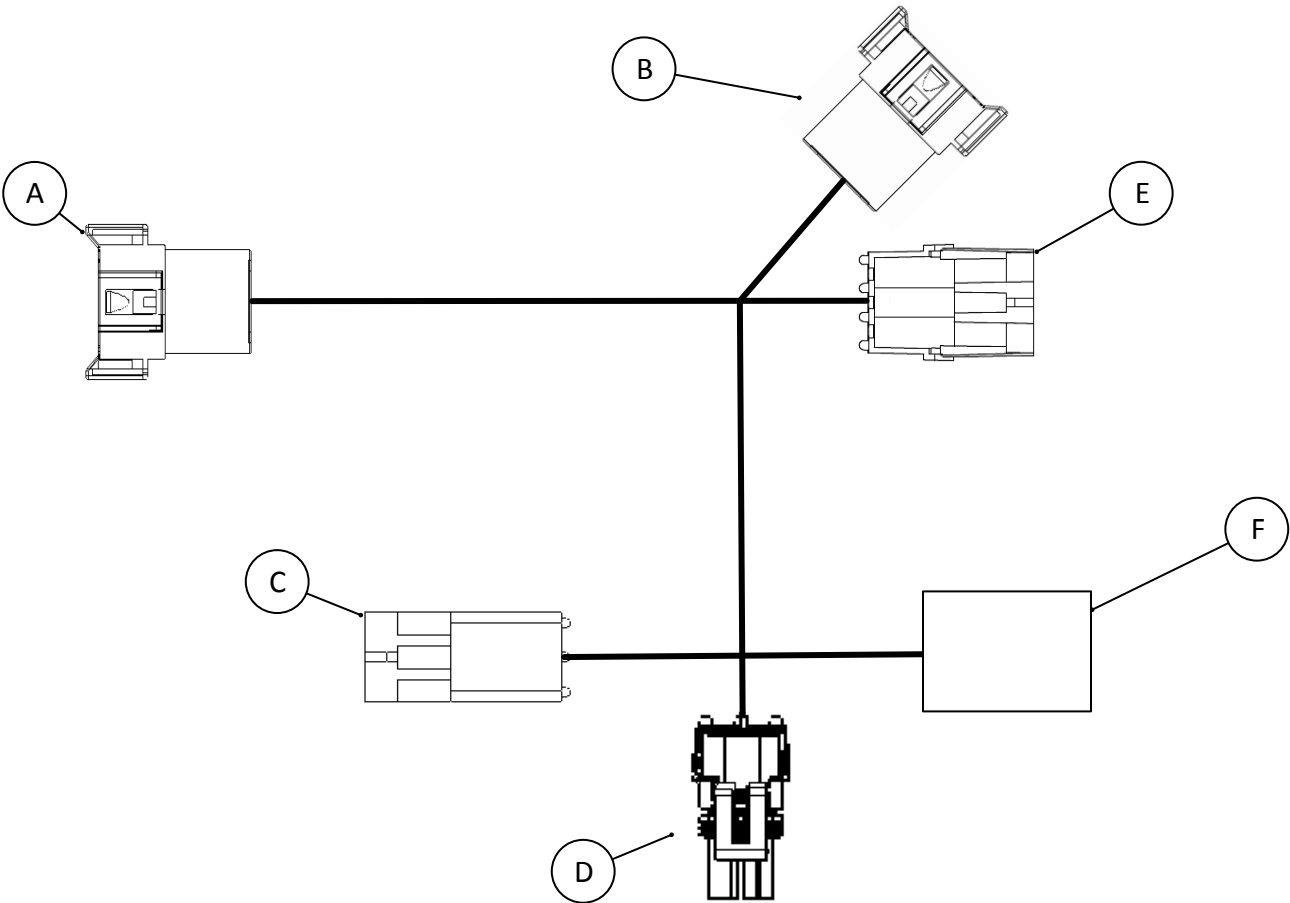


VIEW J

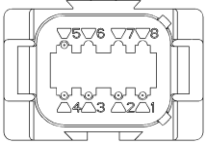
J - Fuse			
Little Fuse			
15 Amp			
Pin	Function	Color	To
1	Switched Power (12V Unfused)	Orange	C1
2	Switched Power (12V Fused)	Red	A6, B16, HA

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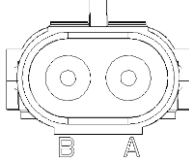
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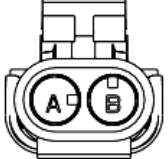
VIEW A



VIEW B



VIEW C



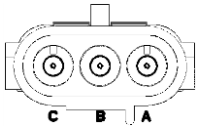
VIEW D

A - Aux Moisture Sensor Connector			
Deutsch 8 Pin Receptacle			
DT04-08PA			
Pin	Function	Color	To
1	Ground	Black	B5, EC
2	Signal - Moisture HI	Orange	B2
3	Signal - Moisture LO	Yellow	B3
4	Signal - Temp (Moisture)	Violet	B4
5	Signal - Proximity Sensor	Light Blue	EB
6	-	-	-
7	Relay Power (8V)	Black	F86
8	Switched Power (12V)	White	B1, EA

B - Moisture Sensor Connector			
Deutsch 8 Pin Plug			
DT04-08PB			
Pin	Function	Color	To
1	Switched Power (12V)	White	A8, EA
2	Signal - Moisture HI	Orange	B2
3	Signal - Moisture LO	Yellow	B3
4	Signal - Temp (Moisture)	Violet	B4
5	Ground	Black	A1, EC
6	-	-	-
7	-	-	-
8	-	-	-

C - Battery Power Connector			
Weatherpack 2 Pin Receptacle			
12010973			
Pin	Function	Color	To
A	Battery Power (12V)	Red	F30
B	Ground	Black	DB

D - Auger Motor Connector			
Weatherpack 2 Pin Plug			
12015792			
Pin	Function	Color	To
A	Motor Power (12V)	Red	F87
B	Ground	Black	CB

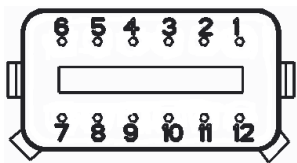
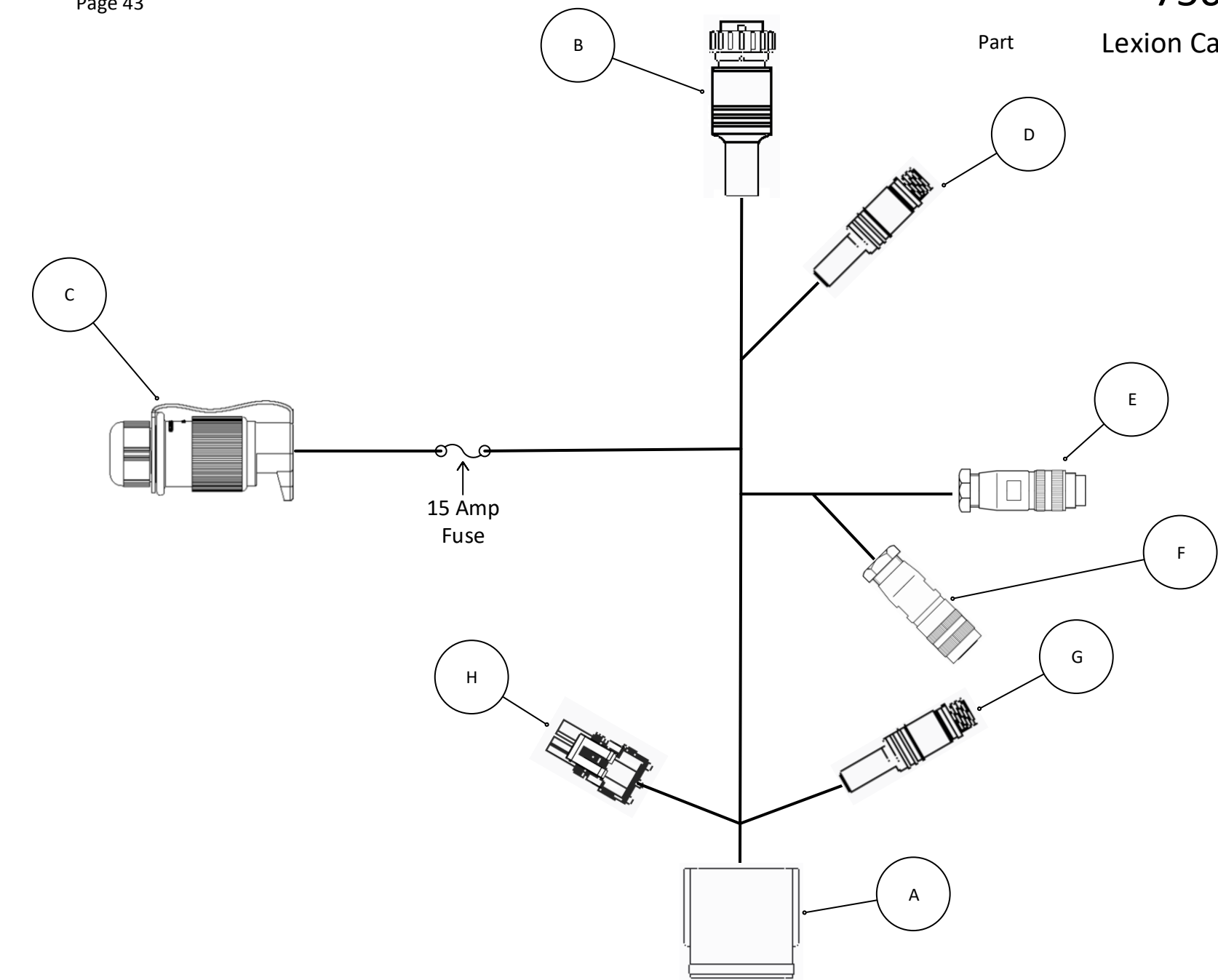


VIEW E

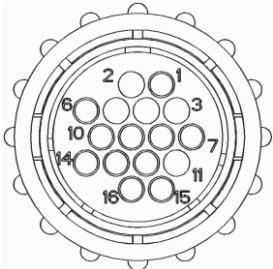
E - Proximity Sensor Connector			
Weatherpack 3 Pin Receptacle			
12010717			
Pin	Function	Color	To
A	Switched Power (12V)	White	A8, B1
B	Signal - Proximity Sensor	Light Blue	A5
C	Ground	Black	A1, B5

F - Relay			
Hella			
H84709001			
Pin	Function	Color	To
30	Battery Power (12V)	Red	CA
85	Relay Ground	Blue	A1, B5, EC
86	Relay Power	Black	A7
87	Motor Power	Red	DA

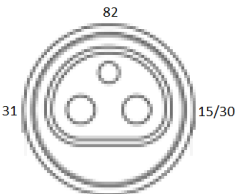
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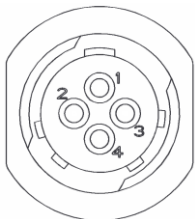
A- YSM			
12 Pin Deutsch			
DT06-12SB			
Pin	Function	Color	To
1	Can Shield		unused
2	PP CAN HI		unused
3	LEX CAN HI	Yellow	E2,F2
4	RS422TX-		B7
5	RS422RX+		B10
6	12v Ignition	Red	B16,J2,HA
7	Ground	Black	B1,C31,HB
8	RS422RX-		B9
9	RS422TX+		B8
10	LEX CAN LO	Green	E1,F1
11	PP CAN LO		unused
12	Analog In		unused



B- Display Unit			
16 Pin AMP			
206037-1			
Pin	Function	Color	To
1	Ground	Black	A7,C31,HB
2	*	*	*
3	*	*	*
4	*	*	*
5	*	*	*
6	12v Battery	White	E7,F7
7	RS422 TX-	*	A4
8	RS422 TX+	*	A9
9	RS422RX-	*	A8
10	RS422RX+	*	A5
11	*	*	*
12	GPS Grond	Black	D1,G1
13	RX from GPS	White	D3,G3
14	TX to GPS	Green	D2,G2
15	5v GPS	Red	D4,G4
16	12v Ignition	Red	A6,J2,HA



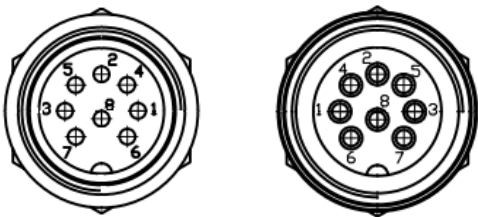
C- Power In			
3 Pin DIN			
9680			
Pin	Function	Color	To
82	12v Ignition	Orange	J1
15/30			
31	Ground	Black	A7,B1.HB



D & G GPS			
4 Pin Amp			
206153-1			
Pin	Function	Color	To
1	Ground	Black	B12
2	TX to DU	White	B14
3	RX to DU	Green	B13
4	5v Power	Red	B15

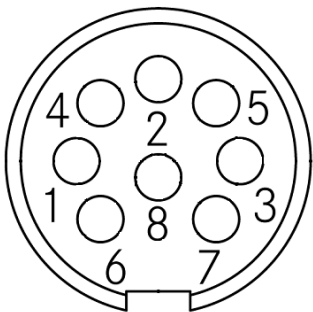


H- 12v Power			
2 Pin WeatherPack			
12015792			
Pin	Function	Color	To
A	12v Ignition-Fused	Red	A6,J2,B16
B	Ground	Black	A7,C31,B1

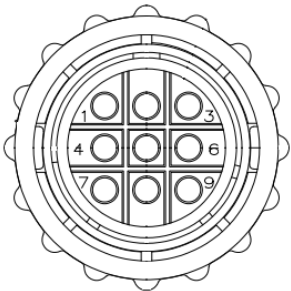


E & F Diagnostic Port			
8 Pin M16			
M16 DIN 8 Plug & M16 DIN 8 Recept			
Pin	Function	Color	From
1	CAN LO	Green	A10
2	CAN HI	Yellow	A3
3			
4			
5			
6			
7	12v Battery		B6
8			

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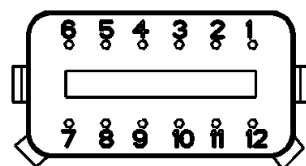
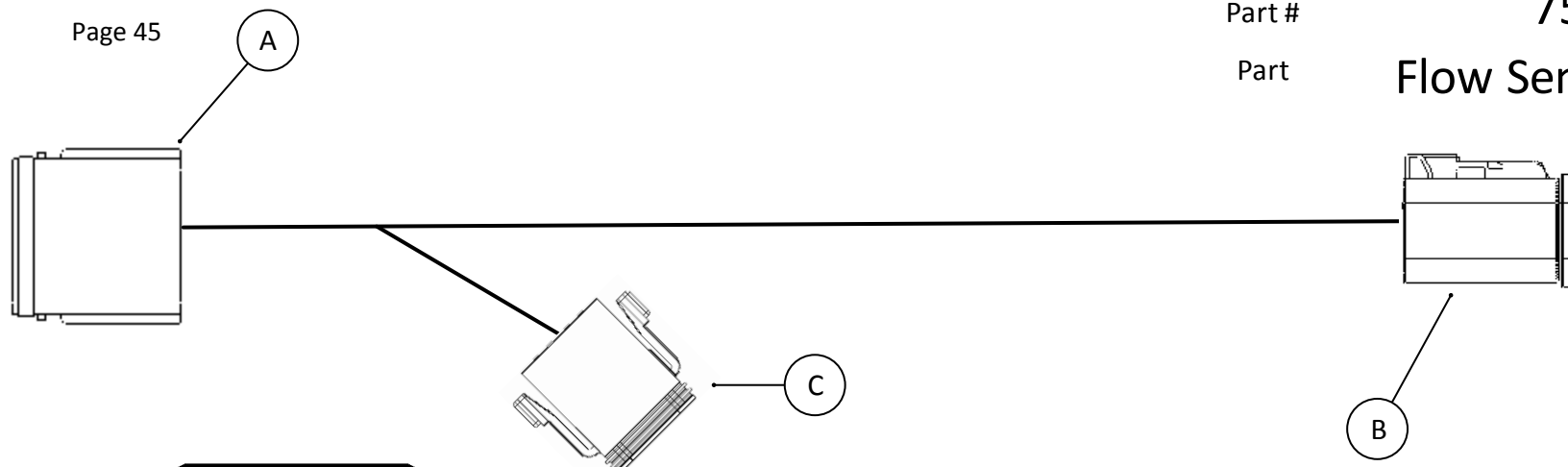
A- Diagnostic Port			
8 Pin M16 Receptacle			
T3505 001			
Pin	Function	Color	To
1	CAN LO	Green	B2
2	CAN HI	Yellow	B3
3	*		
4	*		
5	*		
6	*		
7	12v Battery	White	B7
8	*		



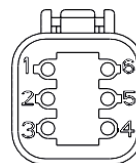
B- Diagnostic Port			
9 Pin Amp			
211768-9			
Pin	Function	Color	From
1	Ground		
2	CAN LO	Green	A1
3	CAN HI	Yellow	A2
4			
5	CAN1 LO		
6	CAN1 HI		
7	12v Battery	White	A7
8			
9			

Flow Sensor Harness

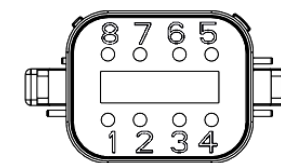
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VIEW A



VIEW B



VIEW C

A - YSM Connector

Deutsch 12 Pin Plug

DT06-12SA

Pin	Function	Color	To
1	Power (12V)	Orange	C8
2	Signal - Temperature (Moisture)	-	C4
3	Signal - Moisture LO	-	C3
4	Signal - Sensor B	Green	B4
5	Signal - Sensor A	White	B2
6	Power (8V)	Yellow	C7
7	Ground	Black	B1, C1
8	Spare Analog (0-8V)	-	C5
9	Signal - Sensor A Temperature	Blue	B3
10	Signal - Sensor B Temperature	Brown	B5
11	Signal - Moisture HI	-	C2
12	Power (5V)	Red	B6, C6

B - FlowSensor Connector

Deutsch 6 Pin Plug

DT06-6S

Pin	Function	Color	To
1	Ground	Black	A7, C1
2	Signal - Sensor A	White	A5
3	Signal - Sensor A Temperature	Blue	A9
4	Signal - Sensor B	Green	A4
5	Signal - Sensor B Temperature	Brown	A10
6	Power (5V)	Red	A12, C6

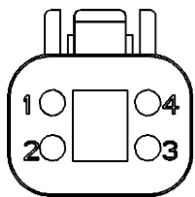
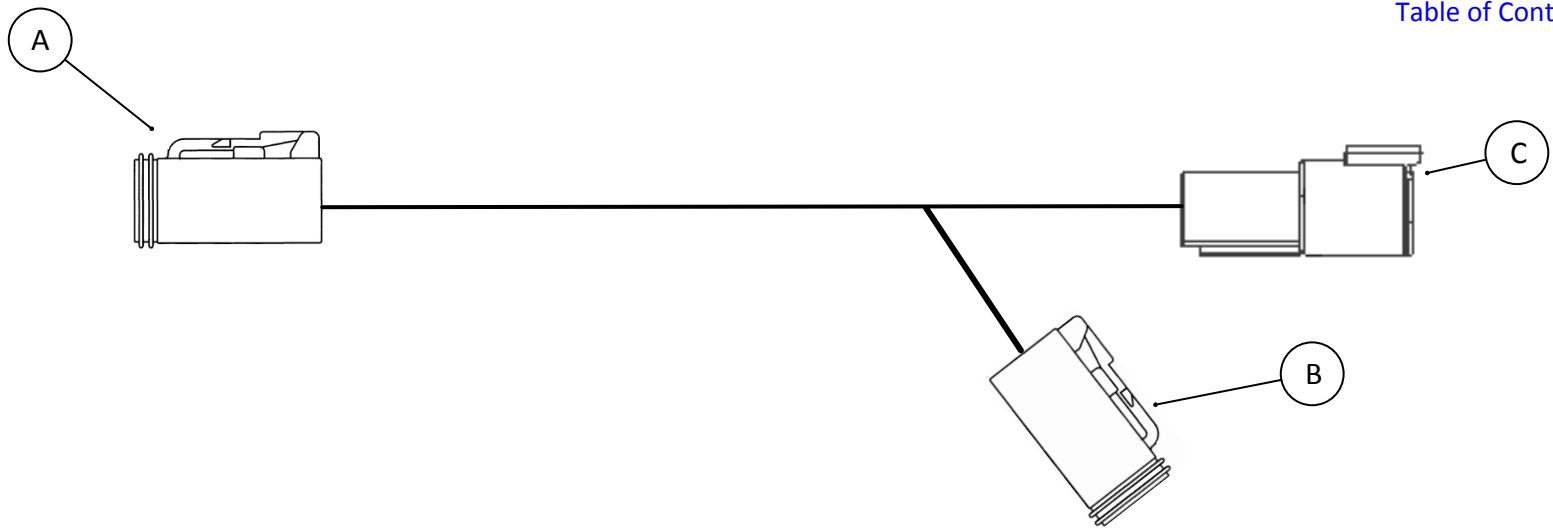
C - Moisture Sensor Connector

Deutsch 8 Pin Plug

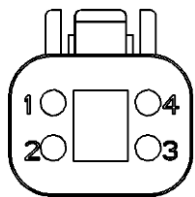
DT06-8S

Pin	Function	Color	To
1	Ground	Black	A7, B1
2	Signal - Moisture HI	-	A11
3	Signal - Moisture LO	-	A3
4	Signal - Temperature (Moisture)	-	A2
5	Spare Analog (0-8V)	-	A8
6	Power (5V)	Red	A12, B6
7	Power (8V)	Yellow	A6
8	Power (12V)	Orange	A1

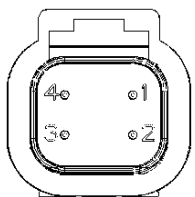
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VIEW A



VIEW B



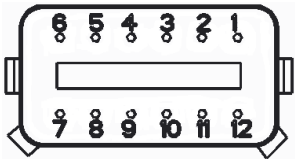
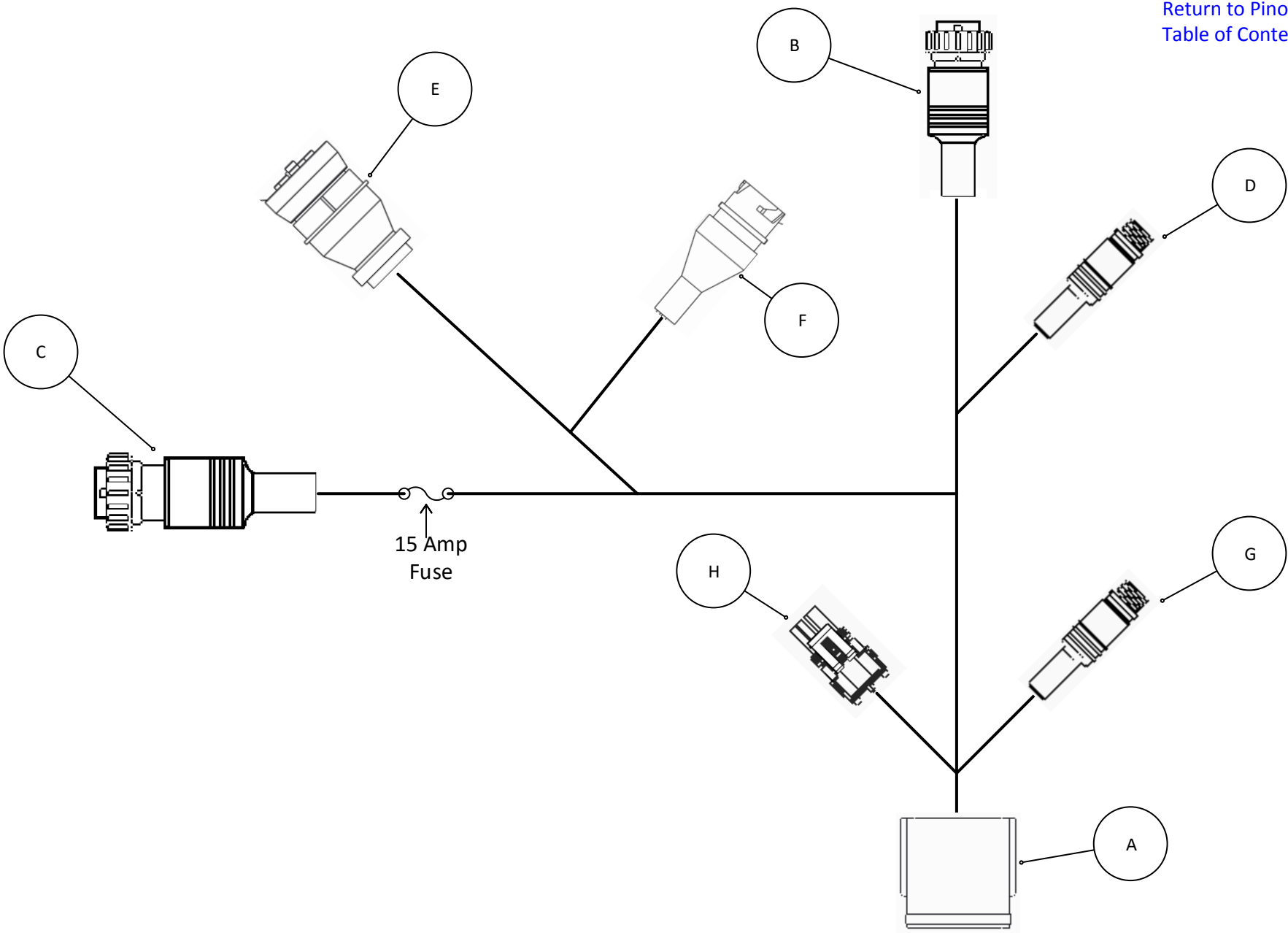
VIEW C

A - YSM Connector			
Deutsch 4 Pin Plug			
DT06-4S			
Pin	Function	Color	To
1	Precision Planting CAN HI	Black	B4, C4
2	Precision Planting CAN LO	White	B2, C2
3	-	-	-
4	-	-	-

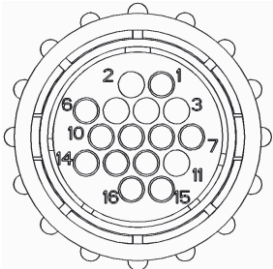
B - AgLeader Moisture Sensor Connector			
Deutsch 4 Pin Plug			
DT06-4S			
Pin	Function	Color	To
1	Power (12V)	Red	C1
2	AgLeader CAN LO	White	A2, C2
3	Ground	Black	C3
4	AgLeader CAN HI	Brown	A1, C1

C - AgLeader CAN Connector			
Deutsch 4 Pin Receptacle			
DT04-4P			
Pin	Function	Color	To
1	Power (12V)	Red	B1
2	AgLeader CAN LO	White	A2, B2
3	Ground	Black	B3
4	AgLeader CAN HI	Brown	A1, B1

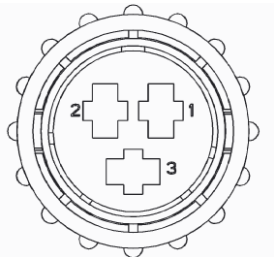
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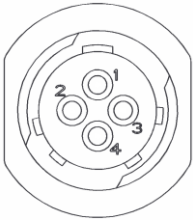
A- YSM			
12 Pin Deutsch			
DT06-12SB			
Pin	Function	Color	To
1	Can Shield		unused
2	PP CAN HI		unused
3	CIH CAN HI	Yellow	HA,EC,FC
4	RS422TX-		B7
5	RS422RX+		B10
6	12v Ignition	Red	B16,C2,HA
7	Ground	Green	C3,HB
8	RS422RX-		B9
9	RS422TX+		B8
10	CIH CAN LO	Green	ED,FD
11	PP CAN LO		unused
12	Analog In		unused



B- Display Unit			
16 Pin AMP			
206037-1			
Pin	Function	Color	To
1	Ground	Black	A7,HB
2	*	*	*
3	*	*	*
4	*	*	*
5	*	*	*
6	12v Battery	White	C2
7	RS422 TX-	*	A4
8	RS422 TX+	*	A9
9	RS422RX-	*	A8
10	RS422RX+	*	A5
11	*	*	*
12	GPS Grond	Black	D1,G1
13	RX from GPS	White	D3,G3
14	TX to GPS	Green	D2,G2
15	5v GPS	Red	D4,G4
16	12v Ignition	Red	A6,C2,HA



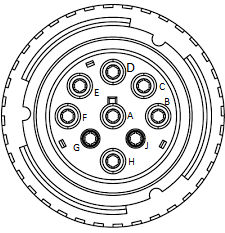
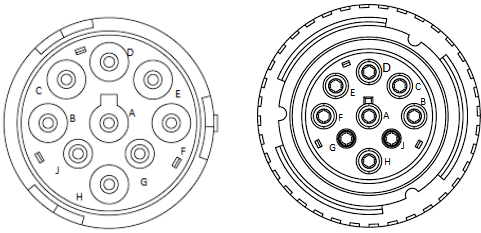
C- Power In			
3 Pin Amp			
206037-2			
Pin	Function	Color	To
1	12v Ignition	Orange	J1
2	12v Battery	Red	B6
3	Ground	Black	A7,B1,HB



D & G GPS			
4 Pin Amp			
206153-1			
Pin	Function	Color	To
1	Ground	Black	B12
2	TX to DU	White	B14
3	RX to DU	Green	B13
4	5v Power	Red	B15

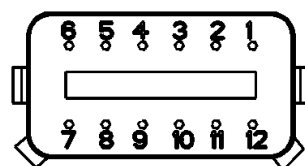
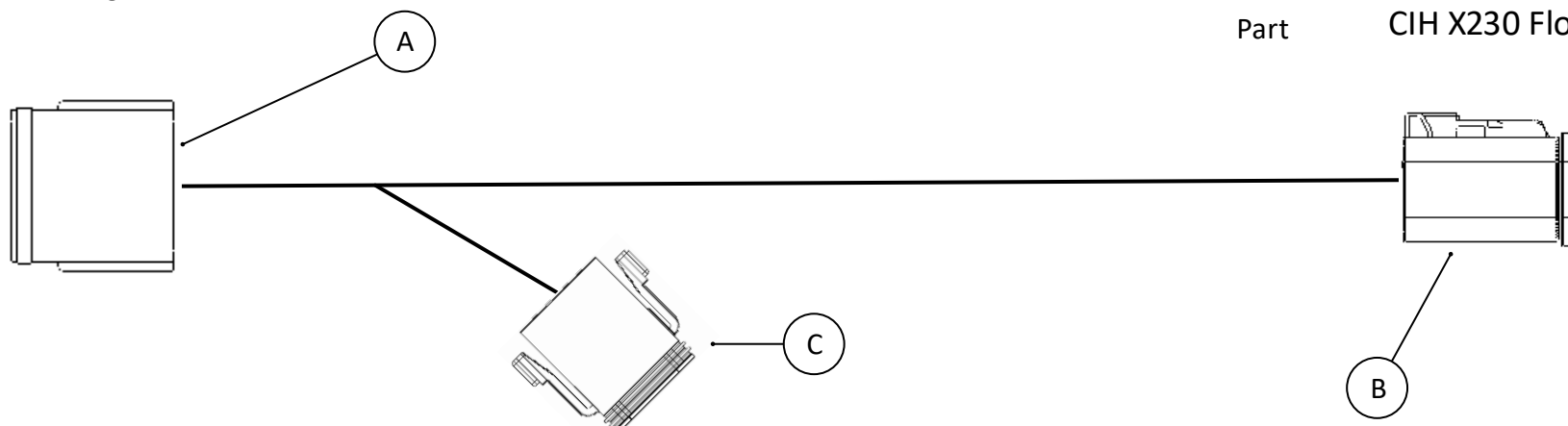


H- 12v Power			
2 Pin WeatherPack			
12015792			
Pin	Function	Color	To
A	12v Ignition-Fused	Red	A6,B16,C1
B	Ground	Black	A7,B1,C3



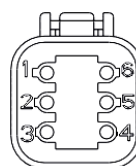
E & F Diagnostic Port			
9 Pin Deutsch			
HD16-9-1939S E & HD10-9-1939P F			
Pin	Function	Color	From
A	Ground	Black	
B	Power		
C	CIH CAN HI	Yellow	A3
D	CIH CAN LO	Green	A10
E	CAN Shield		
F	J1708+		
G	J1708-		
H	CAN1 HI		
J	CAN1 LO		

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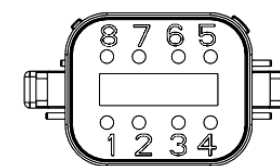
VIEW A

A - YSM Connector			
Deutsch 12 Pin Plug			
DT06-12SA			
Pin	Function	Color	To
1	Power (12V)	Orange	C8
2	Signal - Temperature (Moisture)	-	C4
3	Signal - Moisture LO	-	C3
4	Signal - Sensor B	Green	B4
5	Signal - Sensor A	White	B2
6	Power (8V)	Yellow	C7
7	Ground	Black	B1, C1
8	Spare Analog (0-8V)	-	C5
9	Signal - Sensor A Temperature	Blue	B3
10	Signal - Sensor B Temperature	Brown	B5
11	Signal - Moisture HI	-	C2
12	Power (5V)	Red	B6, C6



VIEW B

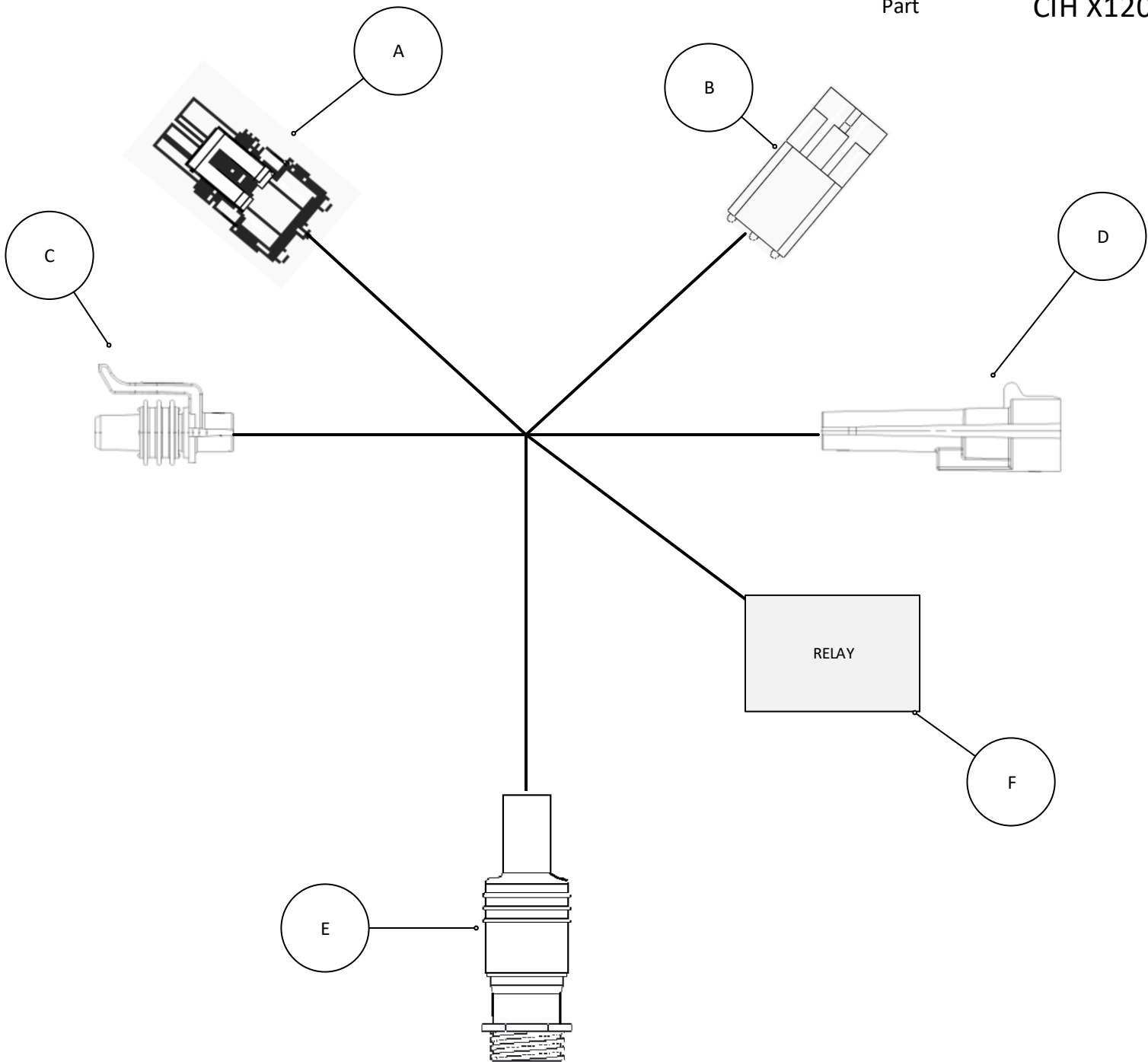
B - FlowSensor Connector			
Deutsch 6 Pin Plug			
DT06-6S			
Pin	Function	Color	To
1	Ground	Black	A7, C1
2	Signal - Sensor A	White	A5
3	Signal - Sensor A Temperature	Blue	A9
4	Signal - Sensor B	Green	A4
5	Signal - Sensor B Temperature	Brown	A10
6	Power (5V)	Red	A12, C6



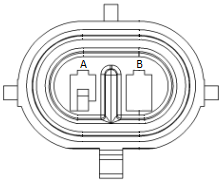
VIEW C

C - Moisture Sensor Connector			
Deutsch 8 Pin Plug			
DT06-8S			
Pin	Function	Color	To
1	Ground	Black	A7, B1
2	Signal - Moisture HI	-	A11
3	Signal - Moisture LO	-	A3
4	Signal - Temperature (Moisture)	-	A2
5	Spare Analog (0-8V)	-	A8
6	Power (5V)	Red	A12, B6
7	Power (8V)	Yellow	A6
8	Power (12V)	Orange	A1

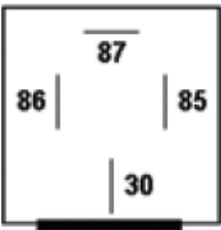
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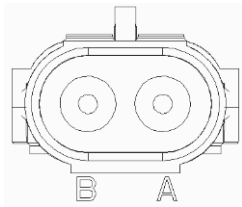
A- Battery Power			
2 Pin Weatherpack Plug			
12015792			
Pin	Function	Color	To
A	12v Power	Red	BA,E2
B	Ground	Black	BB,E3



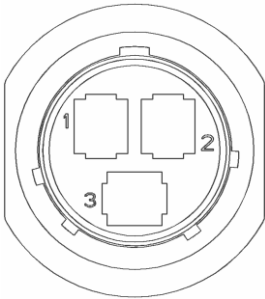
D- Seat Switched Power			
2 Pin Metripack Receptacle			
12162000			
Pin	Function	Color	From
A	12v Switched Power	Blue	CA,F86
B	Operator Present	Yellow	CB



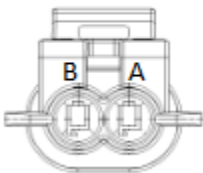
F- Relay			
Waytek Relay			
75301			
Pin	Function	Color	To
30	12v Power	Red	A3
85	Coil Ground	Black	A4
86	12v Switched	Blue	CA,D1
87	12v Ignition	Orange	E1



B- Battery Power			
2 Pin Weatherpack Receptacle			
12010973			
Pin	Function	Color	To
A	12v Power	Red	AA,E2
B	Ground	Black	AB,E3

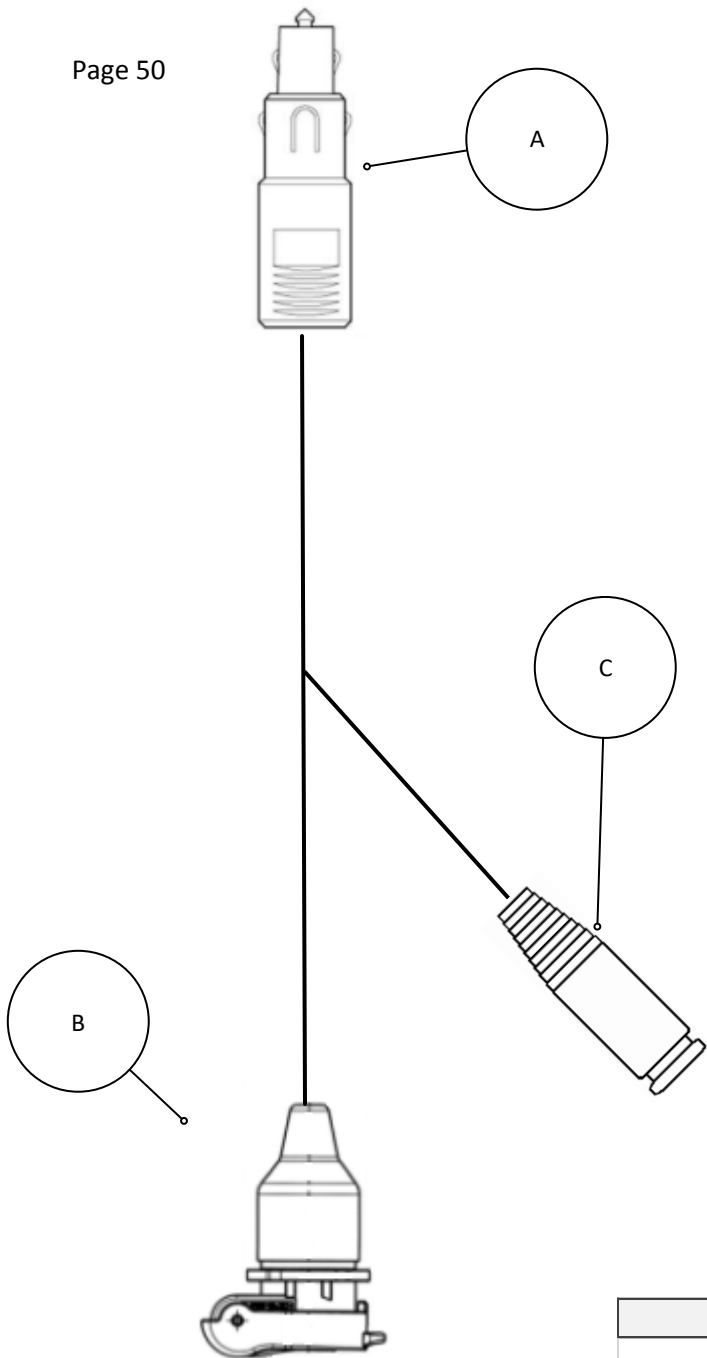


E- Power Port			
3 Pin Amp			
AMO 206207-1			
Pin	Function	Color	To
1	12v Ignition	Organge	F87
2	12v Power	Red	AA,BA
3	Ground	Black	AB,BB

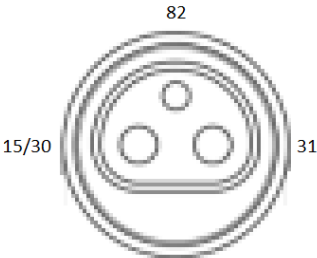


C- Seat Switched Power			
2 Pin Metripack Plug			
12052641			
Pin	Function	Color	To
A	12v Switched Power	Blue	DA,F86
B	Operator Present	Yellow	D2

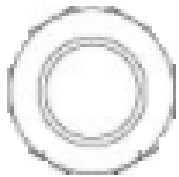
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A- Power Port			
ISO Power Plug			
4165 Plug			
Pin	Function	Color	To
Center	Switched Power	Red	B82,C CNTR
Side	Ground	Black	B31,C SIDE

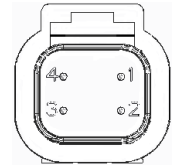
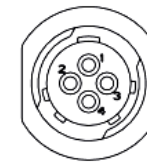
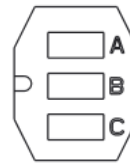
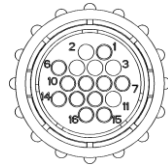
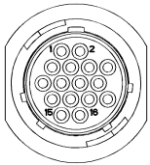
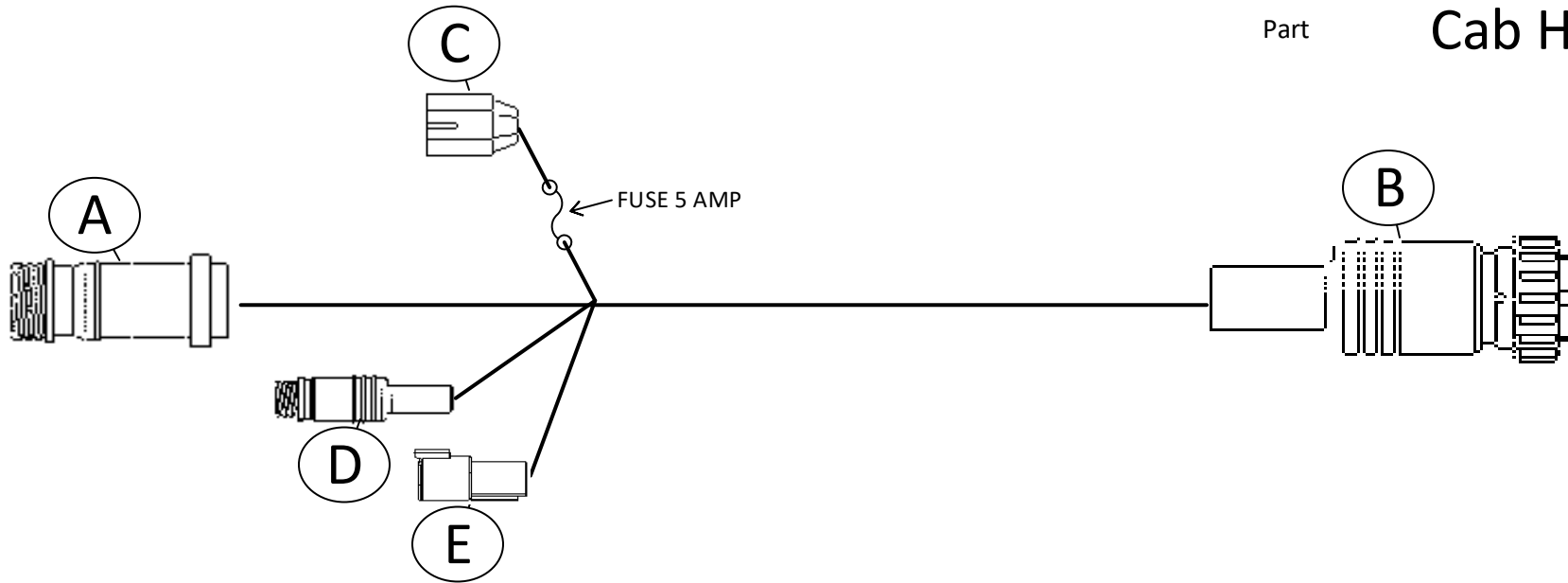


B- Power Receptacle			
DIN 3 Pin			
9680			
Pin	Function	Color	From
82	Switched Power	Red	A CNTR, C CNTR
31	Ground	Black	A SIDE,C SIDE



C- Power Receptacle			
ISO Power Receptacle			
4165 Receptacle			
Pin	Function	Color	From
Center	Switched Power	Red	A CNTR, B82
Side	Ground	Black	A SIDE, B31

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A - 16 Pin Bulk Head		
AMP 16 Pin Recept		
Pin	Function	To
1###	CAN Shield	Drain
2	JD CAN 2 HI	E3
3	JD CAN 1 HI	E1
4	RS422TX-	B7
5	RS422RX+	B10
6	12V IGN-Fused	B16,CC
7	Ground	B1,CB
8	RS422RX-	B9
9	RS422TX+	B8
10	JD CAN 1 LO	E2
11	JD CAN 2 LO	E4
12	Analog In-Spare E	unused
13	GPS Ground	D1
14	RX from GPS	D2
15	TX to GPS	D3
16	5V GPS	D4

B - Display Unit		
AMP 16 Pin Plug		
Pin	Function	To
1	Ground	A7
6	12V Battery	CA
7	RS422 TX-	A4
8	RS422 TX+	A9
9	RS422 RX-	A8
10	RS422 RX+	A5
12#	GPS Ground	D1
13	RX From GPS	D2
14	TX to GPS	D3
15	5 V GPS	D4
16	12 V Ignition	A6

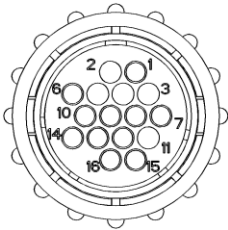
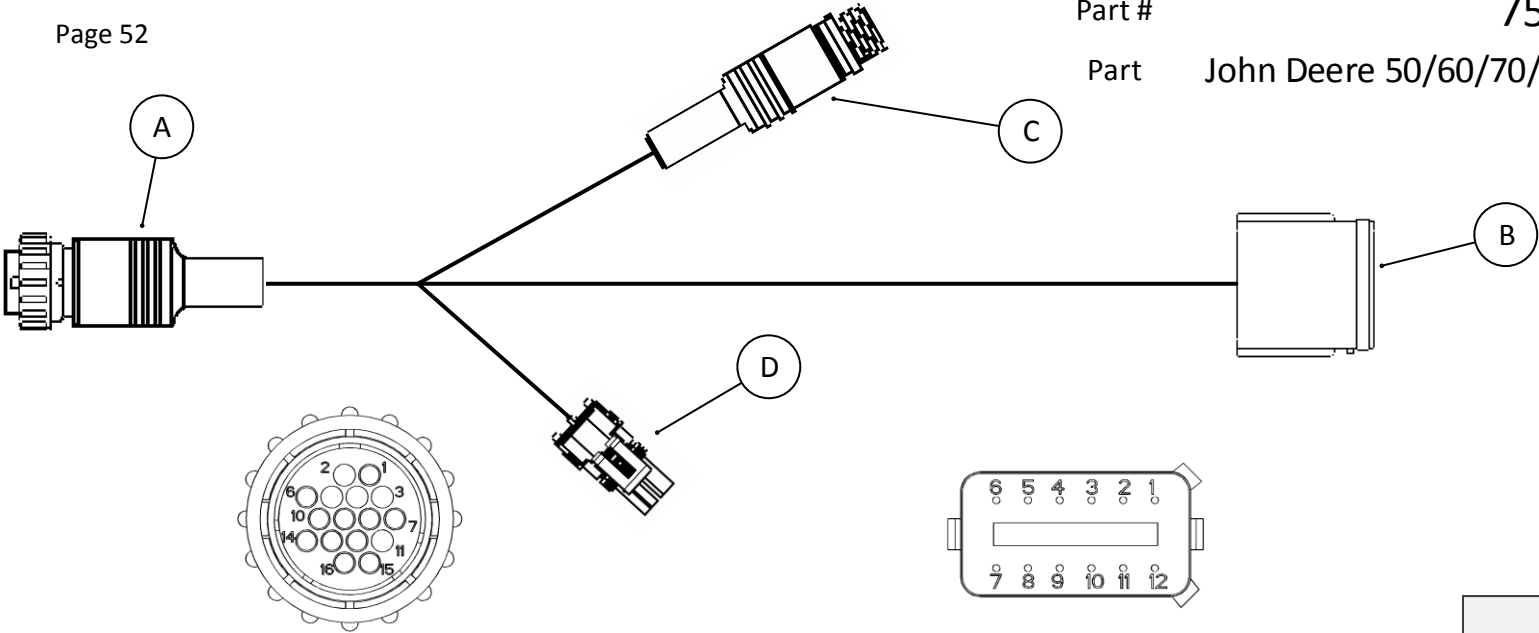
C - 3 Pin Power		
John Deere Outlet w/ 3' Cable		
Pin	Function	To
A	12V Battery (Red)	B6
B	Ground (Black)	A7
C	12V Ignition (Orange)	A6

D - 4 Pin GPS		
4 Pin AMP		
Pin	Function	To
1	Ground	A13
2	TX to Display	A15
3	RX From Display	A14
4	5 V Power	A16

E - Diagnostic Connector		
Deutsch 4 Pin		
Pin	Function	To
1	CAN 1 HI	A3
2	CAN 1 LO	A10
3	CAN 2 HI	A2
4	CAN 2 LO	A11

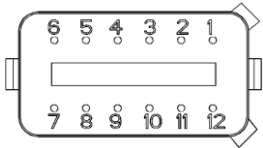
#Terminate GPS Drain Wire
 Here
 ## Terminate RS422
 Twisted Pair Drain Wires
 Here
 ### Terminate CAN Twisted
 Pair Drain Wires Here

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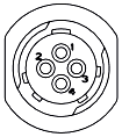
VIEW A

A - Display Connector			
AMP 16 Pin Plug			
206037-1			
Pin	Function	Color	To
1	-	-	-
2	PP/JD2 CAN HI	Brown	B2
3	John Deere CAN HI	Yellow	B3
4	RS-422 TX-	-	B4
5	RS-422 RX+	-	B5
6	Switched Power (12V Fused)	Red	B6, DA
7	Ground	Black	B7, DB
8	RS-122 RX-	-	B8
9	RS-122 TX+	-	B9
10	John Deere CAN LO	Green	B10
11	PP/JD2 CAN HI	Blue	B11
12	-	-	-
13	GPS Ground	Black	C1
14	Receive from GPS	White	C2
15	Transmit to GPS	Green	C3
16	Power (5V GPS)	Red	C4



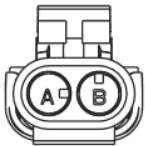
VIEW B

B - YSM Connector			
Deutsch 12 Pin Plug			
DT06-12SB			
Pin	Function	Color	To
1	-	-	-
2	PP/JD2 CAN HI	Brown	A2
3	John Deere CAN HI	Yellow	A3
4	RS-422 TX-	-	A4
5	RS-422 RX+	-	A5
6	Switched Power (12V Fused)	Red	A6, DA
7	Ground	Black	A7, DB
8	RS-422 RX-	-	A8
9	RS-422 TX+	-	A9
10	JD CAN LO	Green	A10
11	PP/JD2 CAN LO	Blue	A11
12	-	-	-



VIEW C

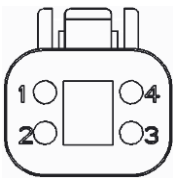
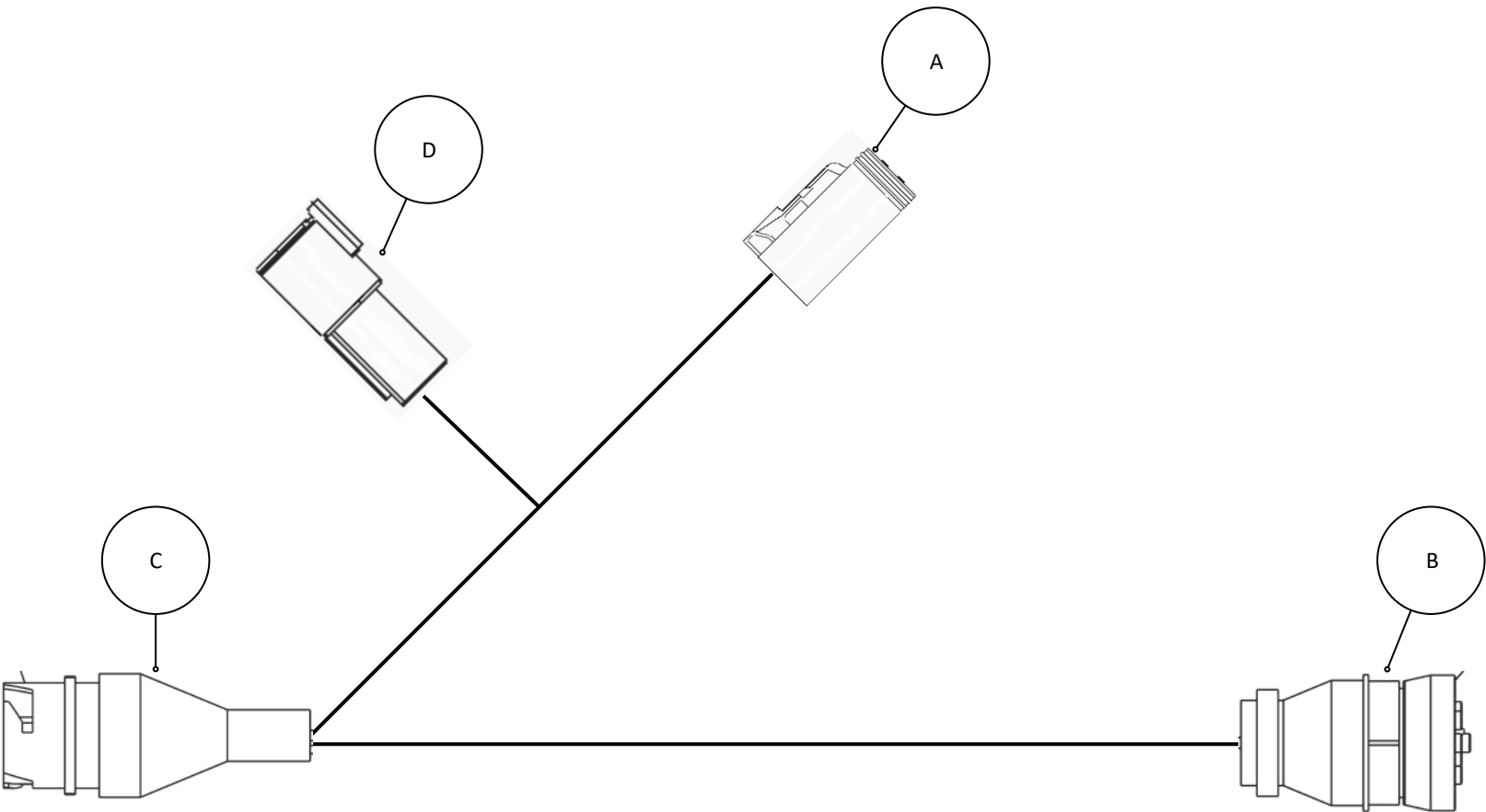
C - GPS Connector			
Amp 4 Pin Receptacle			
206153-1			
Pin	Function	Color	To
1	Ground	Black	A13
2	Transmit	White	A14
3	Receive	Green	A15
4	Power (5V)	Red	A16



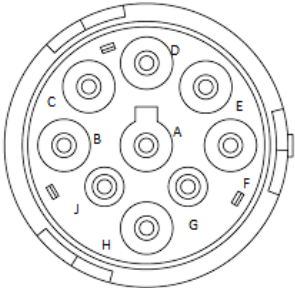
VIEW D

D - Power Connector			
Weatherpack 2 Pin Plug			
12015792			
Pin	Function	Color	To
A	Switched Power (12V Fused)	Red	A6, B6
B	Ground	Black	A7, B7

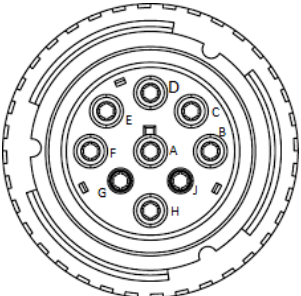
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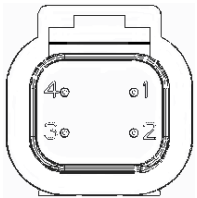
A - Cab Harness			
4 Pin Deutsch Plug			
DT 06-4S			
Pin	Function	Color	To
1	CAN1 HI		BC,CC
2	CAN1 LO		BD,CD
3	CAN2 HI		D1
4	CAN2 LO		D2



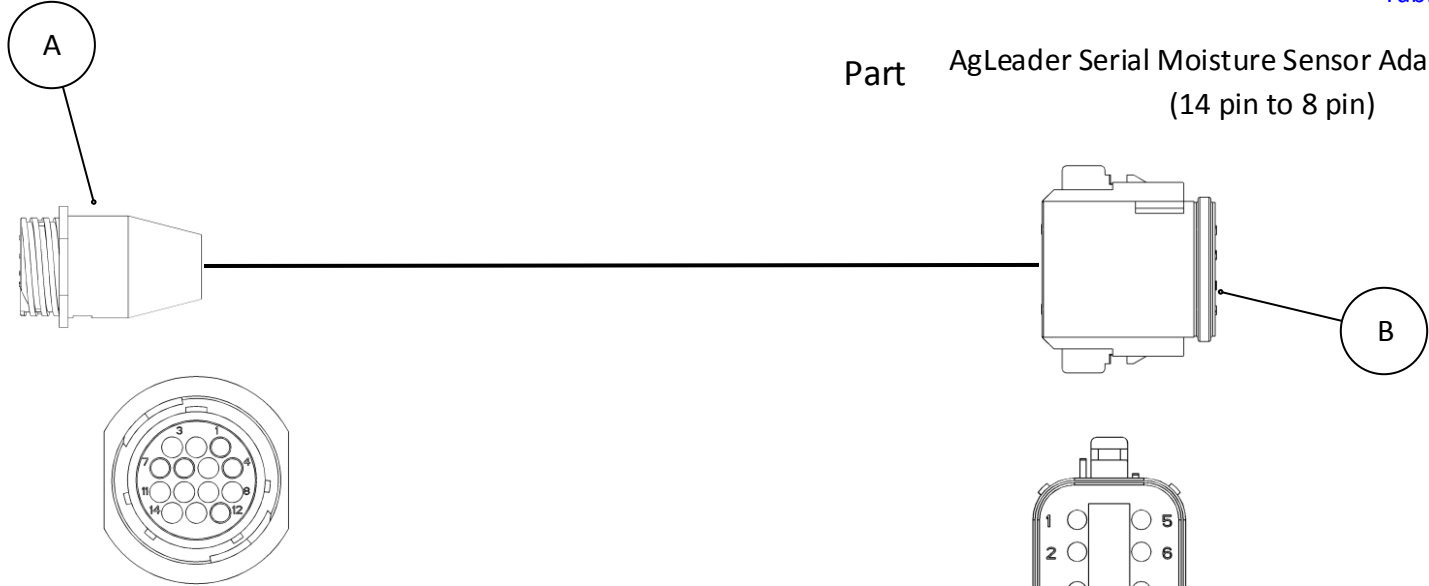
C- Diagnostic Port			
9 Pin Deutsch			
HD10-9-1939P			
Pin	Function	Color	From
A	GROUND		BA
B	POWER		BB
C	CAN1 HI		A1,BC
D	CAN1 LO		A2,BD
E	CAN SHIELD		BE
F	J1708+		BF
G	J1708-		BG
H	CAN2 HI		BH,D4
J	CAN2 LO		BJ,D3



B- Diagnostic Port			
9 Pin Deutsch			
HD16-9-1939S			
Pin	Function	Color	To
A	GROUND		CA
B	POWER		CB
C	CAN1 HI		A1,CC
D	CAN1 LO		A2,CD
E	CAN SHIELD		CE
F	J1708+		CF
G	J1708-		CG
H	CAN2 HI		CH,D4
J	CAN2 LO		CJ,D3



D- CAN2 Break			
4 Pin Deutsch Receptacle			
DT04-4P			
Pin	Function	Color	From
1	CAN2 HI IN		A3
2	CAN2 LO IN		A4
3	CAN2 LO OUT		BJ,CJ
4	CAN2 HI OUT		BH,CH



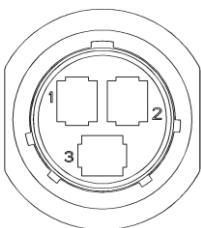
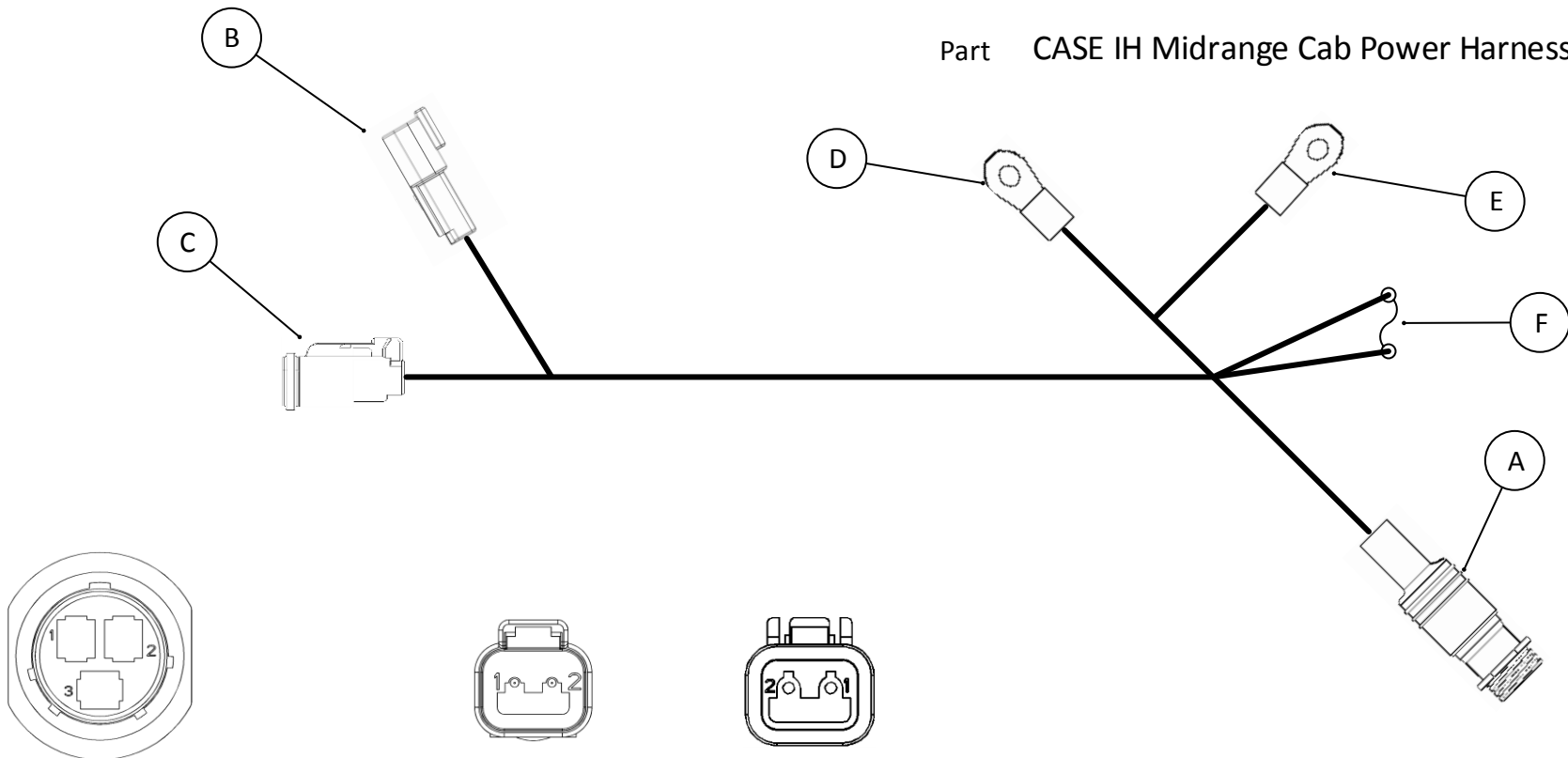
VIEW A

A - OEM Moisture Sensor Connector			
Amp 14 Pin Receptacle			
206043-5			
Pin	Function	Color	To
1	Switched Power (12V)	White	B1
2	-	-	-
3	-	-	-
4	Ground	Black	B5
5	-	-	-
6	Signal - Moisture HI	Orange	B2
7	Signal - Moisture LO	Yellow	B3
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	Signal - Temperature (Moisture)	Violet	B4
13	-	-	-
14	-	-	-

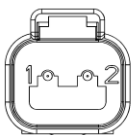
VIEW B

B - Precision Planting Moisture Sensor Harness Connector			
Deutsch 8 Pin Plug			
DT06-08SB			
Pin	Function	Color	To
1	Switched Power (12V)	White	A1
2	Signal - Moisture HI	Orange	A6
3	Signal - Moisture LO	Yellow	A7
4	Signal - Temperature (Moisture)	Violet	A12
5	Ground	Black	A5
6	-	-	-
7	-	-	-
8	-	-	-

Part CASE IH Midrange Cab Power Harness Adapter



VIEW A



VIEW B



VIEW C

A - Power Connector			
Amp 3 Pin Receptacle			
206207-1			
Pin	Function	Color	To
1	Switched Power (12V)	Orange	FB
2	Battery Power (12V)	Red	B1, C1
3	Ground	Black	E

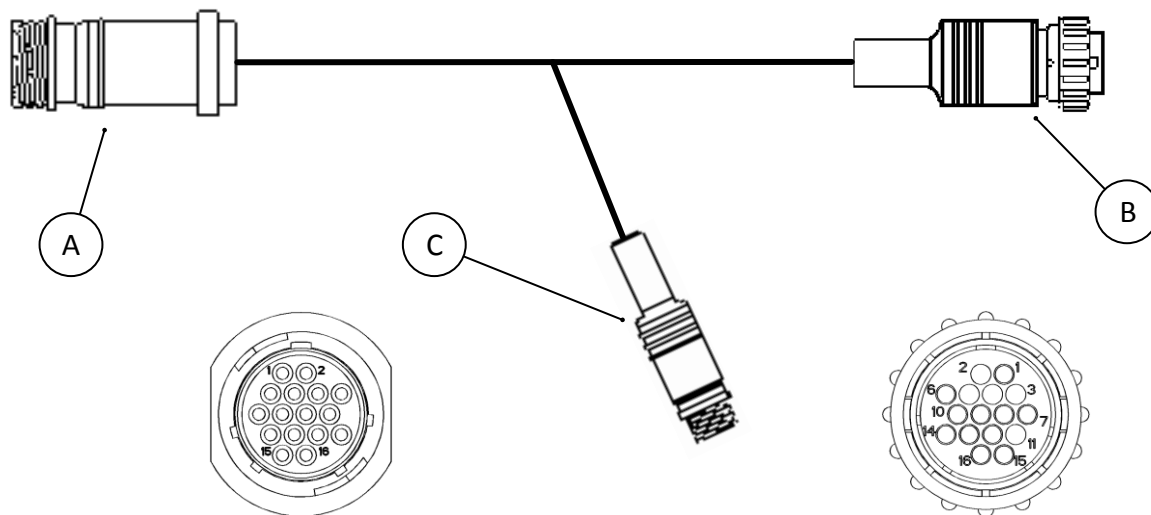
B -Seat Switch In Connector			
Deutsch 2 Pin Receptacle			
DT04-2P			
Pin	Function	Color	To
1	Battery Power (12V)	Red	A2, C1
2	Weight Signal (12V)	Yellow	C2

C -Seat Switch Out Connector			
Deutsch 2 Pin Plug			
DT06-2S			
Pin	Function	Color	To
1	Battery Power (12V)	Red	A2, B1
2	Weight Signal (12V)	Yellow	B2

D & E -Battery Connectors			
Ring Terminal			
Pin	Function	Color	To
D	Switched Power (12V)	Orange	FA
E	Ground	Black	A3

F- Fuse Holder			
Fuse			
10 Amp Mini			
Pin	Function	Color	To
A	Switched Power (12V)	Orange	D
B	Switched Power (12V Fused)	Orange	A1

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VIEW A

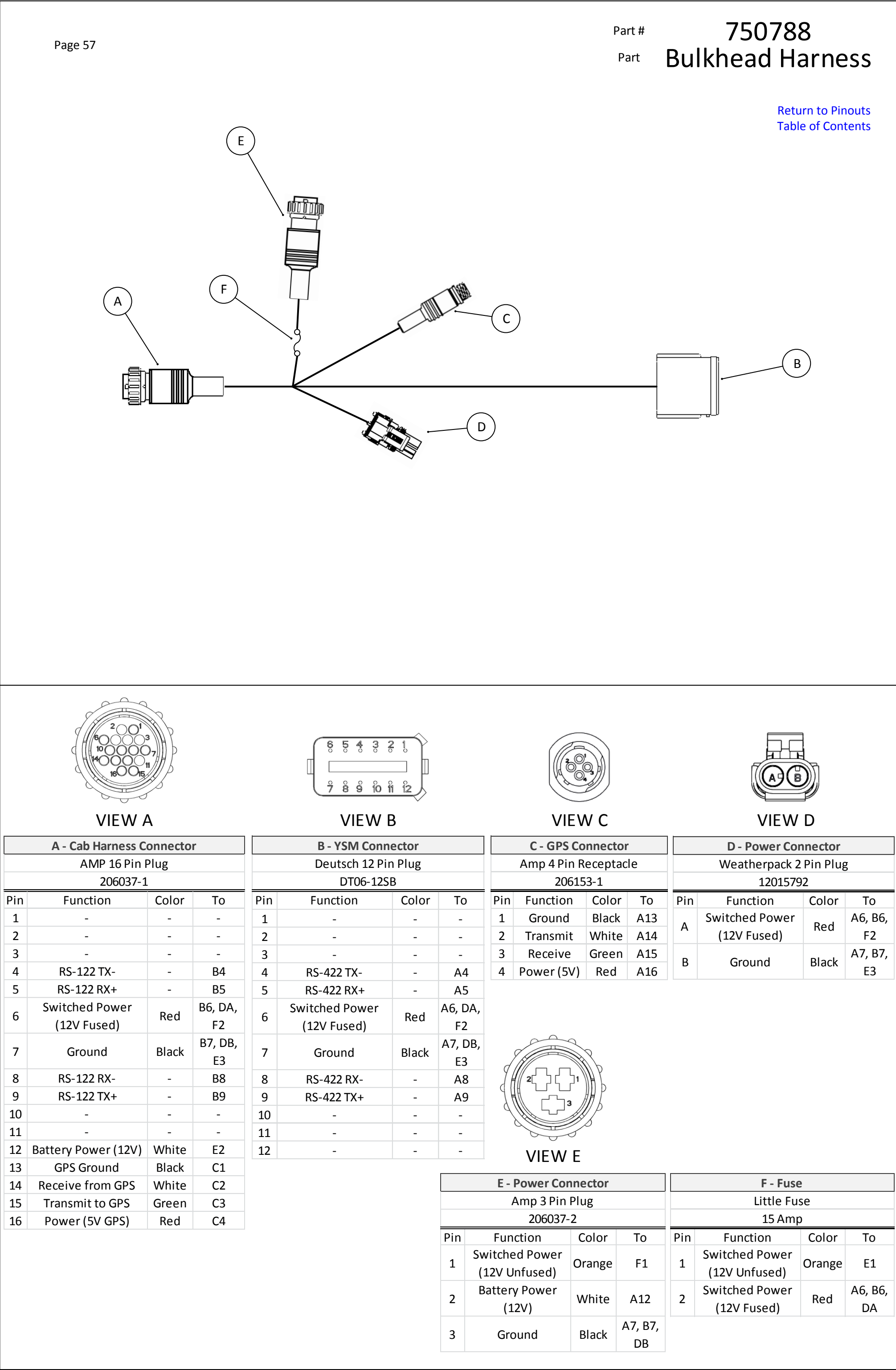
VIEW B

VIEW C

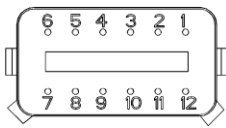
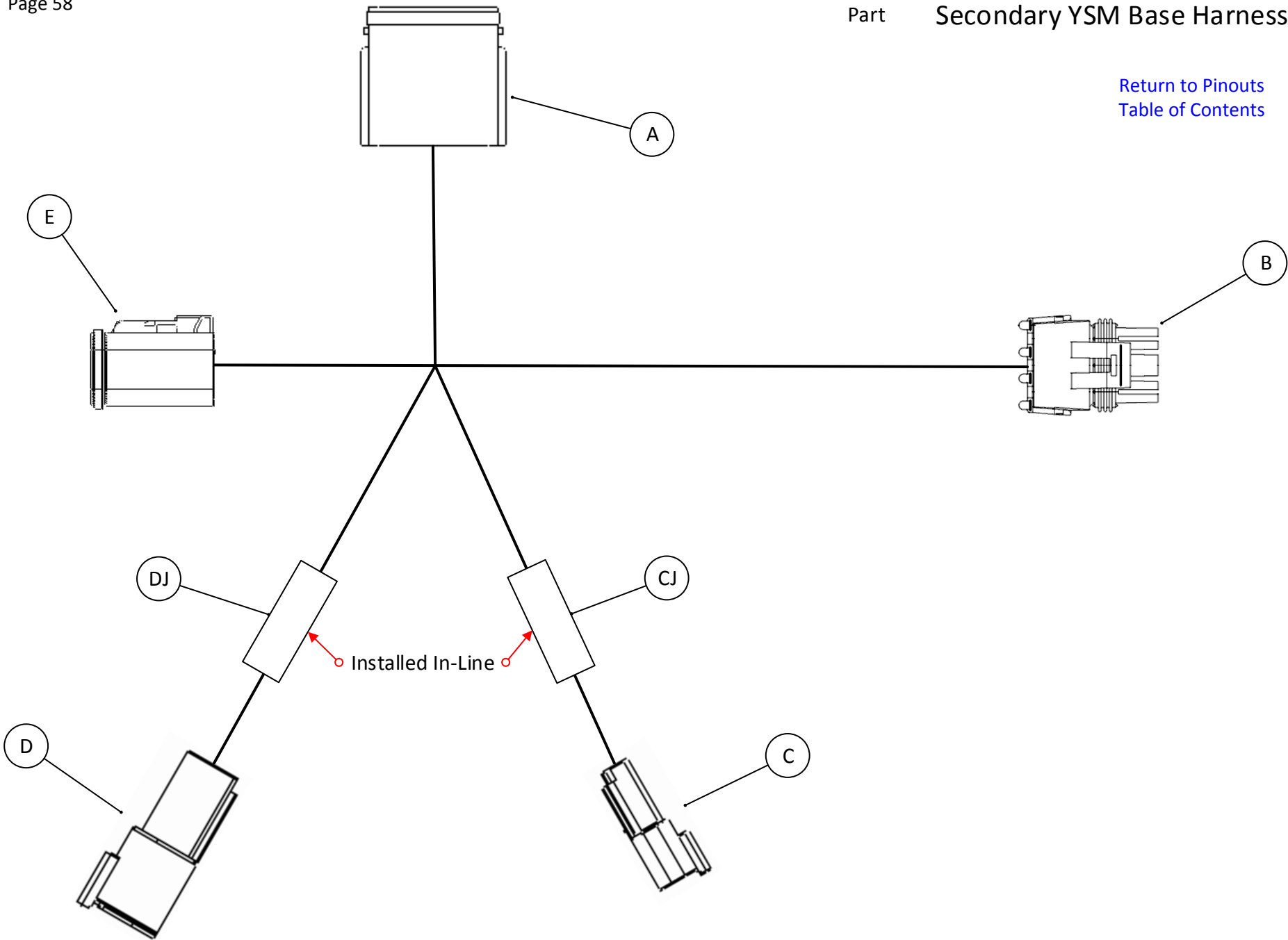
A - Bulkhead Connector			
AMP 16 Pin Receptacle			
206036-3			
Pin	Function	Color	To
1	CAN Shield	-	-
2	-	-	-
3	-	-	-
4	RS-122 TX-	-	B7
5	RS-122 RX+	-	B10
6	Switched Power	Red	B16
7	Ground	Black	B1
8	RS-122 RX-	-	B9
9	RS-122 TX+	-	B8
10	-	-	-
11	-	-	-
12	Battery Power (12V)	White	B6
13	GPS Ground	Black	B12, D1
14	Receive from GPS	White	B13, D2
15	Transmit to GPS	Green	B14, D3
16	Power (5V GPS)	Red	B15, D4

B - Display Connector			
AMP 16 Pin Plug			
206037-1			
Pin	Function	Color	To
1	Ground	Black	A7
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	Battery Power (12V)	White	A12
7	RS-122 TX-	-	A4
8	RS-122 TX+	-	A9
9	RS-122 RX-	-	A8
10	RS-122 RX+	-	A5
11	-	-	-
12	GPS Ground	Black	A13, D1
13	Receive from GPS	White	A14, D2
14	Transmit to GPS	Green	A15, D3
15	Power (5V GPS)	Red	A16, D4
16	Switched Power (12V)	Red	A6

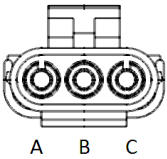
C - GPS Connector			
Amp 4 Pin Receptacle			
206153-1			
Pin	Function	Color	To
1	Ground	Black	A13, B12
2	Transmit	White	A14, B13
3	Receive	Green	A15, B14
4	Power (5V)	Red	A16, B15



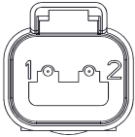
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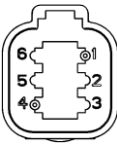
VIEW A



VIEW B



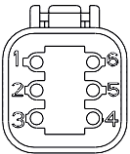
VIEW C



VIEW D

A - Secondary YSM Connector			
Deutsch 12 Pin Plug			
DT06-12SA			
Pin	Function	Color	To
1	Battery Power (12V)	Orange	E2
2	ADCBO (11.2V Input)	Purple	E4
3	ADCB1 (16V Input)	Pink	E5
4	Ground Speed1 (3V Input)	Blue	CJ5
5	Ground Speed2 (3V Input)	Yellow	CJ6
6	-	-	-
7	Ground - Analog	Black	BA, DJ14,
8	Head Height (11.2V Input)	White	BB
9	Elevator Speed1 (3V Input)	Brown	DJ5
10	Elevator Speed2 (3V Input)	Grey	DJ6
11	ADCA1 (16V Input)	Green	E6
12	Power (5V)	Red	BC, CJ3, DJ3, E3

B - Head Height Harness Connector			
Weatherpack 3 Pin Plug			
12015793			
Pin	Function	Color	To
A	Ground	Black	A7, CJ4, DJ4, E1
B	Signal - Head Height (11.2V)	White	A8
C	Power (5V)	Red	A12, CJ3, DJ3, E3



VIEW E

E - Auxillary Connector			
Deutsch 6 Pin Plug			
DT06-6S			
Pin	Function	Color	To
1	Ground	Black	A7, BA, CJ4,
2	Battery Power (12V)	Orange	A1
3	Power (5V)	Red	A12, BC, CJ3, DJ3
4	ADCBO (11.2V Input)	Purple	A2
5	ADCB1 (16V Input)	Pink	A3
6	ADCA1 (16v Input)	Green	A11

C - Ground Speed Harness Connector			
Deutsch 2 Pin Receptacle			
DT04-2P			
Pin	Function	Color	To
1	Signal A - Ground Speed	Blue	CJ1
2	Signal B - Ground Speed	Yellow	CJ2

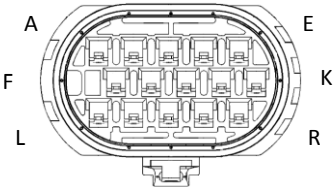
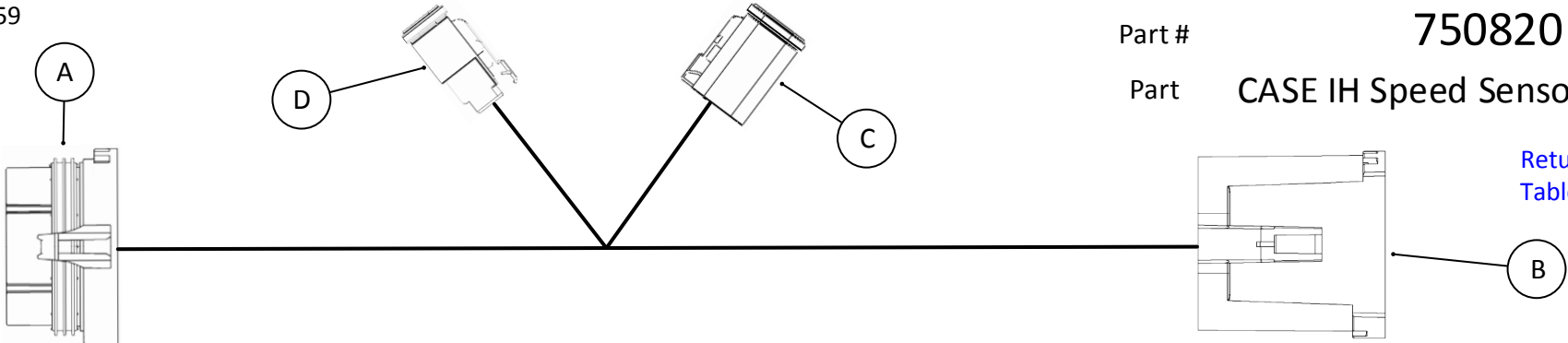
D - Elevator Speed Harness Connector			
Deutsch 6 Pin Receptacle			
DT04-6P			
Pin	Function	Color	To
1	Signal A - Elevator Speed	Brown	DJ1
2	-	-	-
3	-	-	-
4	Signal B - Elevator Speed	Grey	DJ2
5	-	-	-
6	-	-	-

CJ - Signal Conditioning Board			
Installed In-Line Under Looming			
Pin	Function	Color	To
1	Ground Speed1 Signal Out	Blue	C1
2	Ground Speed2 Signal Out	Yellow	C2
3	Power (5V)	Red	A12, BC, DJ3, E3
4	Ground	Black	A7, BA, DJ4, E1
5	Ground Speed1 Signal In	Blue	A4
6	Ground Speed2 Signal In	Yellow	A5

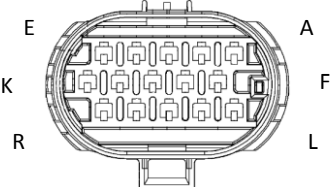
DJ - Signal Conditioning Board			
Installed In-Line Under Looming			
Pin	Function	Color	To
1	Elevator Speed1 Signal Out	Brown	D1
2	Elevator Speed2 Signal Out	Grey	D4
3	Power (5V)	Red	A12, BC, CJ3, E3
4	Ground	Black	A7, BA, CJ4, E1
5	Elevator Speed1 Signal In	Brown	A9
6	Elevator Speed2 Signal In	Grey	A10

Part # 750820
Part CASE IH Speed Sensor Harness

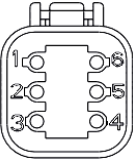
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VIEW A



VIEW B



VIEW C



VIEW D

A - OEM Harness Connector			
Metripack 280 15 Pin Plug			
12110779			
Pin	Function	Color	To
A	Pass Through	-	BA
B	Pass Through	-	BB
C	Pass Through	-	BC
D	Pass Through	-	BD
E	Pass Through	-	BE
F	Signal - Elevator Speed	White	BF, C2
G	Signal - Ground Speed	Orange	BG, D1
H	Pass Through	-	BH
J	Pass Through	-	BJ
K	Signal - Ground	Black	BK, C4, D2
L	Pass Through	-	BL
M	Pass Through	-	BM
N	Pass Through	-	BN
P	Pass Through	-	BP
R	Pass Through	-	BR

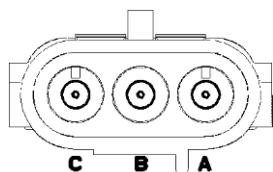
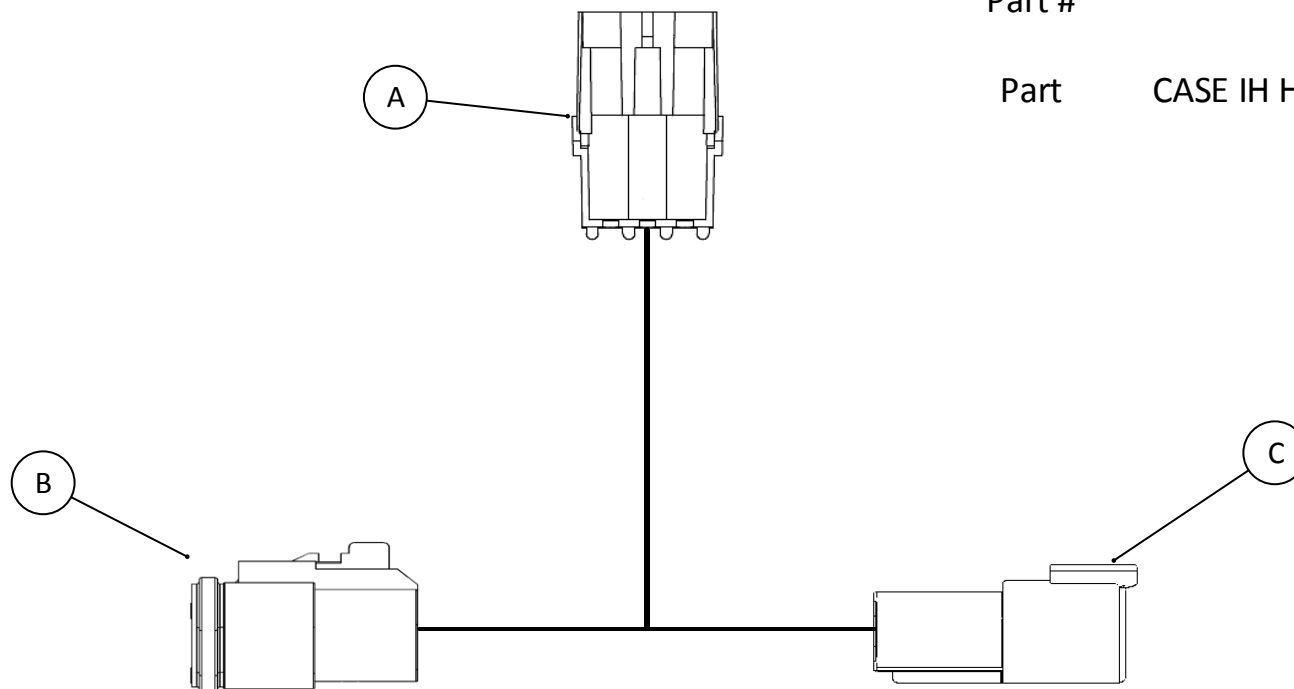
B - OEM Harness Connector			
Metripack 280 15 Pin Receptacle			
12110781			
Pin	Function	Color	To
A	Pass Through	-	AA
B	Pass Through	-	AB
C	Pass Through	-	AC
D	Pass Through	-	AD
E	Pass Through	-	AE
F	Signal - Elevator Speed	White	AF, C2
G	Signal - Ground Speed	Orange	AG, D1
H	Pass Through	-	AH
J	Pass Through	-	AJ
K	Signal - Ground	Black	AK, C4, D2
L	Pass Through	-	AL
M	Pass Through	-	AM
N	Pass Through	-	AN
P	Pass Through	-	AP
R	Pass Through	-	AR

C - Elevator Speed Sensor			
Deutsch 6 Pin Plug			
DT06-6S			
Pin	Function	Color	To
1	Signal - Elevator Speed	White	AF, BF
2	-	-	-
3	-	-	-
4	Signal - Ground	Black	AK, BK, C4
5	-	-	-
6	-	-	-

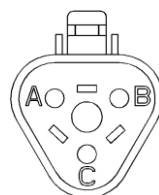
D - Ground Speed Sensor			
Deutsch 2 Pin Plug			
DT06-2S			
Pin	Function	Color	To
1	Signal - Ground Speed	Orange	AG, BG
2	Signal - Ground	Black	AK, BK, C4

Part

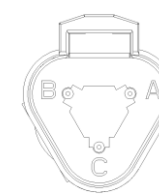
CASE IH Head Height Sensor Harness



VIEW A



VIEW B



VIEW C

A - Secondary YSM Harness Connector

Weatherpack 3 Pin Receptacle

12010717

Pin	Function	Color	To
A	-	-	-
B	Signal - Head Height	White	BB, CB
C	-	-	-

B - Head Height Sensor Connector

Deutsch 3 Pin Plug

DT06-3S

Pin	Function	Color	To
A	Power (12V)	Red	CA
B	Signal - Head Height	White	AB, CB
C	Ground	Black	CC

C - OEM Harness Connector

Deutsch 3 Pin Receptacle

DT04-4P

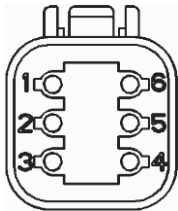
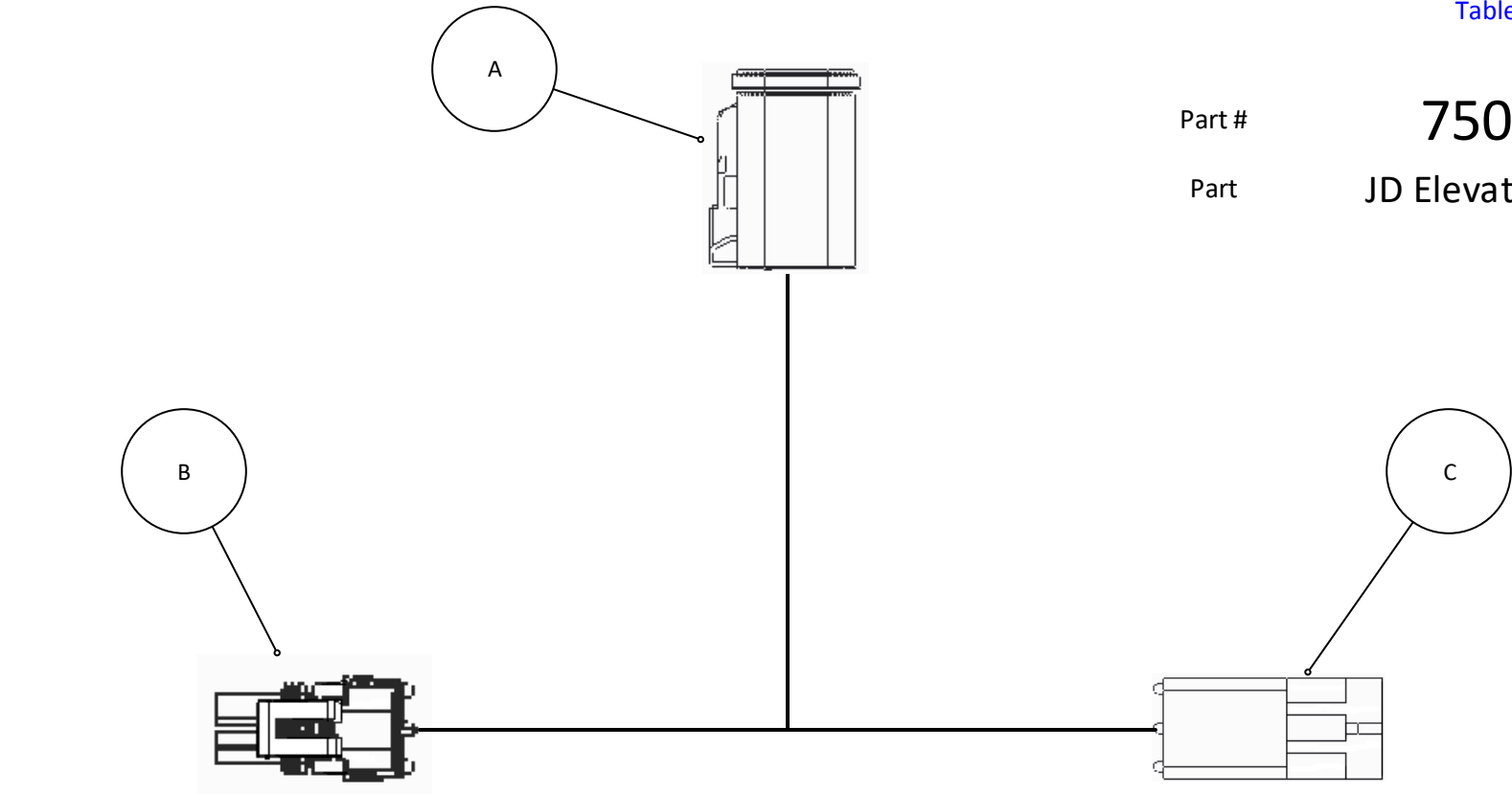
Pin	Function	Color	To
A	Power (12V)	Red	BA
B	Signal - Head Height	White	AB, BB
C	Ground	Black	BC

Part #

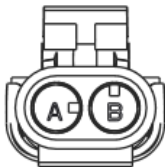
750822

Part

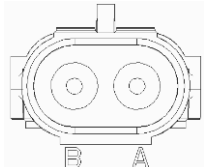
JD Elevator Speed



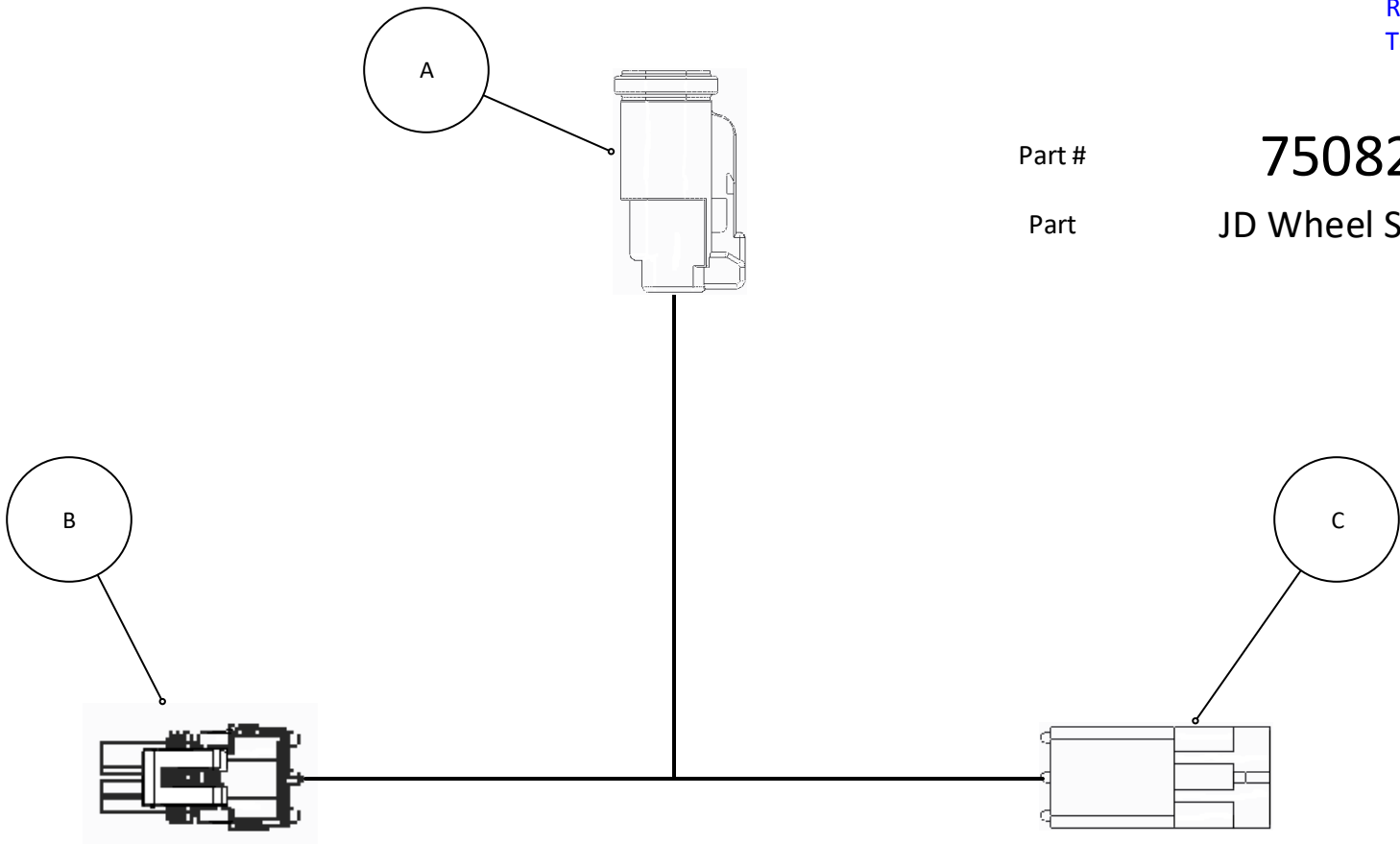
A- YSM Base Harness			
6 Pin Deutsch Plug			
DT06-6S			
Pin	Function	Color	To
1	Signal Speed A	Black	BB,CB
2			
3			
4	Signal Speed B	White	BA,CA
5			
6			



B- Elevator Speed			
2 Pin WeatherPack			
12015792			
Pin	Function	Color	From
A	Signal Speed B	White	A4,CA
B	Signal Speed A	Black	A1,CB



C- Elevator Speed			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	Signal Speed B	White	A4,BA
B	Signal Speed A	Black	A1,BB

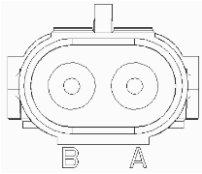
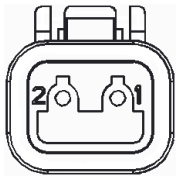


Part #

750823

Part

JD Wheel Speed



A- YSM Base Harness			
2 Pin Deutsch			
DT06-2S			
Pin	Function	Color	To
1	Signal Speed A	Black	BB,CB
2	Signal Speed B	White	BA,CA

B- Wheel Speed			
2 Pin WeatherPack			
12015792			
Pin	Function	Color	From
A	Signal Speed B	White	A2,CA
B	Signal Speed A	Black	A1, CB

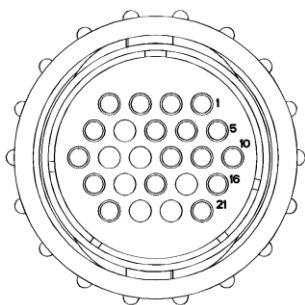
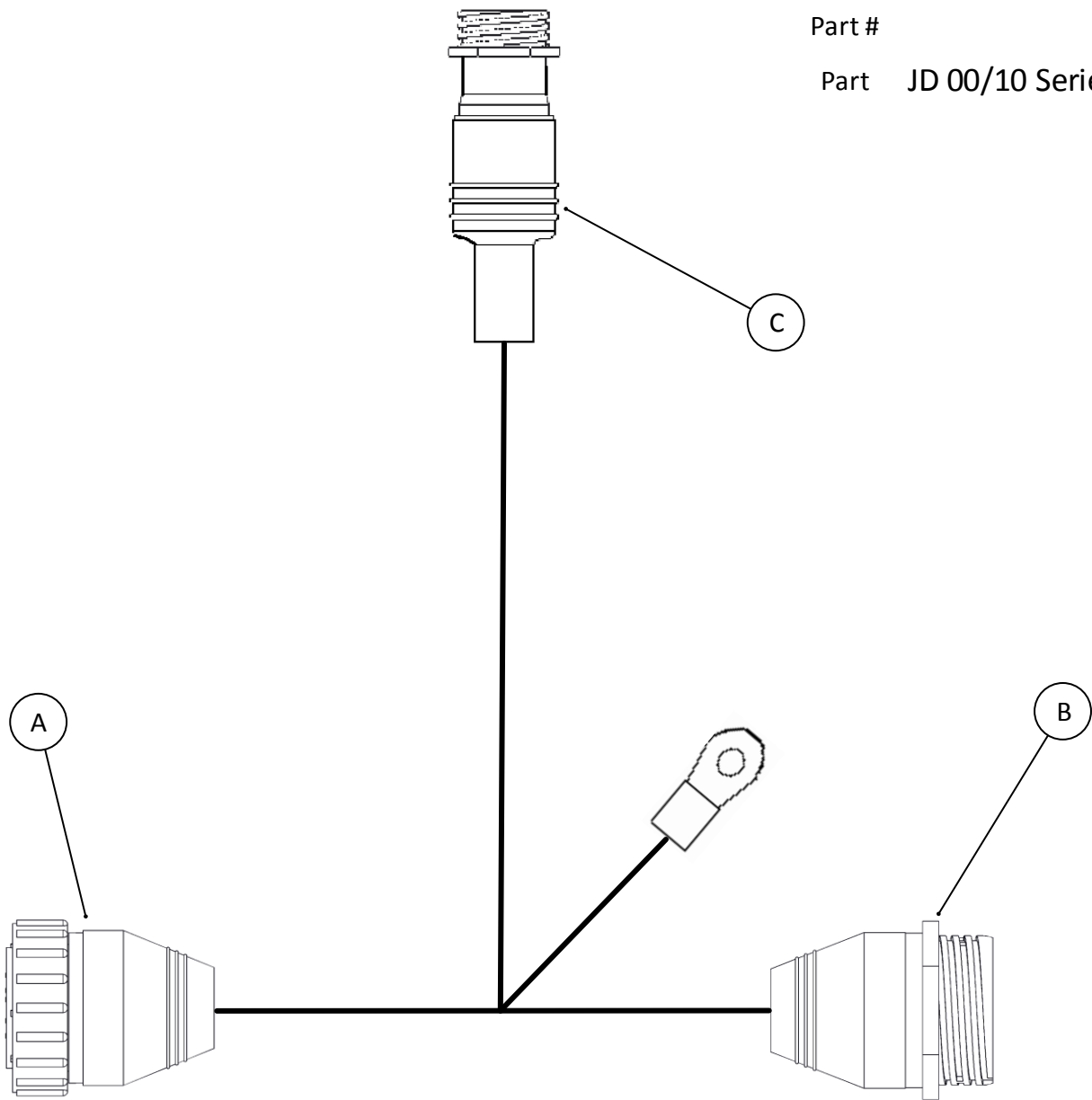
C- Wheel Speed			
2 Pin WeatherPack			
12010973			
Pin	Function	Color	To
A	Signal Speed B	White	A2, BA
B	Signal Speed A	Black	A1,BB

Part #

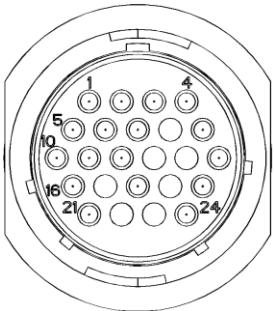
750841

Part

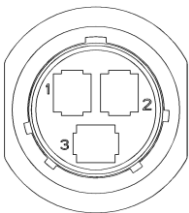
JD 00/10 Series Power Adapter Harness



VIEW A



VIEW B

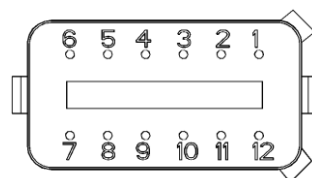
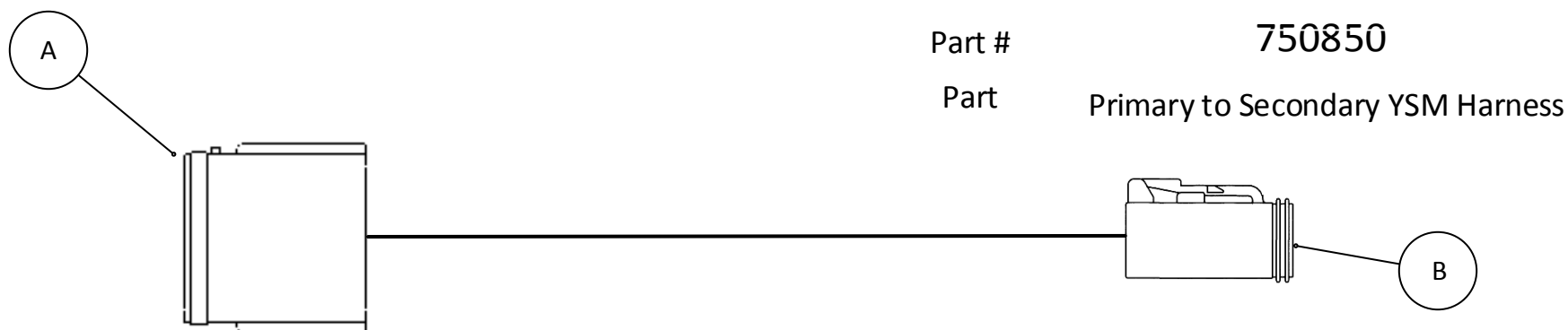


VIEW C

A - OEM Harness Connector			
AMP 24 Pin Plug			
206837-1			
Pin	Function	Color	To
1	Battery Power (12V)	Red	B1, C2
2	Switched Power (12V)	Orange	B2, C1
3	Pass Through	Grey	B3
4	Pass Through	Grey	B4
5	Pass Through	Grey	B5
6	Pass Through	Grey	B6
7	Pass Through	Grey	B7
8	-	-	-
9	Pass Through	Grey	B9
10	Pass Through	Grey	B10
11	Pass Through	Grey	B11
12	Pass Through	Grey	B12
13	-	-	-
14	-	-	-
15	Pass Through	Grey	B15
16	Pass Through	Grey	B16
17	-	-	-
18	Pass Through	Grey	B18
19	-	-	-
20	Pass Through	Grey	B20
21	Pass Through	Grey	B21
22	-	-	-
23	-	-	-
24	Pass Through	Grey	B24

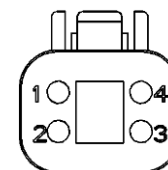
B - OEM Harness Connector			
AMP 24 Pin Receptacle			
206838-2			
Pin	Function	Color	To
1	Battery Power (12V)	Red	A1, C2
2	Switched Power (12V)	Orange	A2, C1
3	Pass Through	Grey	A3
4	Pass Through	Grey	A4
5	Pass Through	Grey	A5
6	Pass Through	Grey	A6
7	Pass Through	Grey	A7
8	-	-	-
9	Pass Through	Grey	A9
10	Pass Through	Grey	A10
11	Pass Through	Grey	A11
12	Pass Through	Grey	A12
13	-	-	-
14	-	-	-
15	Pass Through	Grey	A15
16	Pass Through	Grey	A16
17	-	-	-
18	Pass Through	Grey	A18
19	-	-	-
20	Pass Through	Grey	A20
21	Pass Through	Grey	A21
22	-	-	-
23	-	-	-
24	Pass Through	Grey	A24

C - Power Connector			
Amp 3 Pin Receptacle			
206207-1			
Pin	Function	Color	To
1	Switched Power (12V)	Orange	A2, B2
2	Battery Power (12V)	Red	A1, B1
3	Ground	Black	D



VIEW A

A - Secondary YSM Connector			
Deutsch 12 Pin Plug			
DT06-12SB			
Pin	Function	Color	To
1	-	-	-
2	PP CAN HI	Yellow	B1
3	-	-	-
4	-	-	-
5	-	-	-
6	Switched Power (12V)	Red	A12, B4
7	Ground	Black	B3
8	-	-	-
9	-	-	-
10	-	-	-
11	PP CAN LO	Green	B2
12	Secondary YSM Detection (12V)	Red	A6, B4



VIEW B

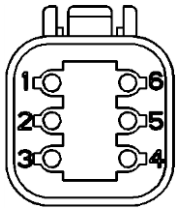
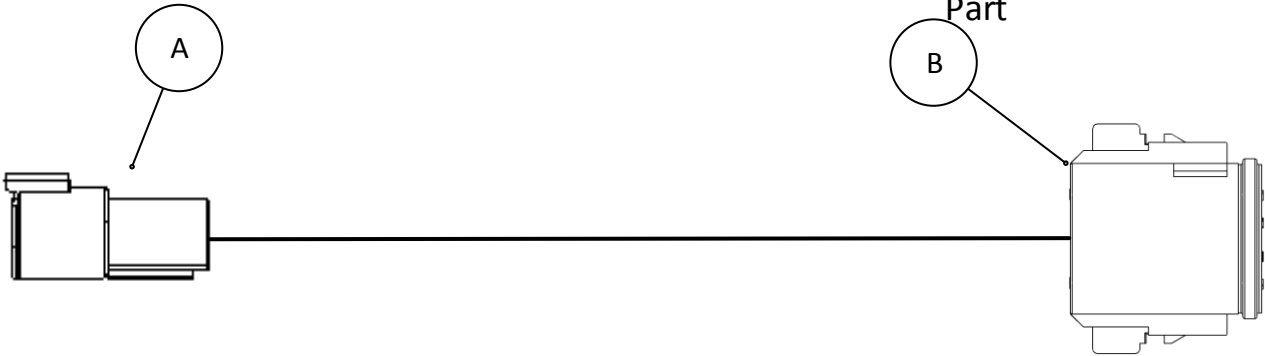
B - Primary YSM Connector			
Deutsch 4 Pin Plug			
DT06-4S			
Pin	Function	Color	To
1	PP CAN HI	Yellow	A2
2	PP CAN LO	Green	A11
3	Ground	Black	A7
4	Switched Power (12V)	Red	A6, A12

Part #

750857

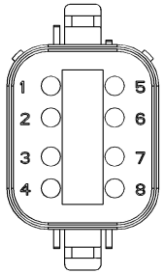
CASE IH OEM Moisture Sensor Adapter Harness
(6 Pin to 8 Pin)

Part



VIEW A

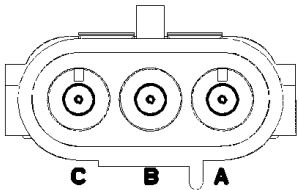
A - OEM Moisture Sensor Connector			
Deutsch 6 Pin Plug			
DT06-06S			
Pin	Function	Color	To
1	Switched Power (12V)	White	B1
2	Ground	Black	B5
3	Signal - Moisture HI	Orange	B2
4	Signal - Moisture LO	Yellow	B3
5	Signal - Temperature (Moisture)	Violet	B4
6	-	-	



VIEW B

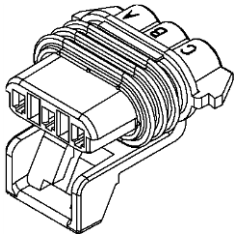
B - Precision Planting Moisture Sensor Harness Connector			
Deutsch 8 Pin Plug			
DT06-08SB			
Pin	Function	Color	To
1	Switched Power (12V)	White	A1
2	Signal - Moisture HI	Orange	A3
3	Signal - Moisture LO	Yellow	A4
4	Signal - Temperature (Moisture)	Violet	A5
5	Ground	Black	A2
6	-	-	-
7	-	-	-
8	-	-	

Part # **750906**
Part JD 00/10 Series Head Height Harness



VIEW A

A - YSM Base Harness Connector			
Weatherpack 3 Pin Receptacle			
12010717			
Pin	Function	Color	To
A	Ground	Black	BC
B	Signal	White	BB
C	Power (5V)	Red	BA



VIEW B

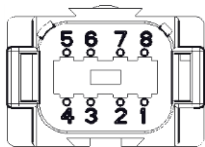
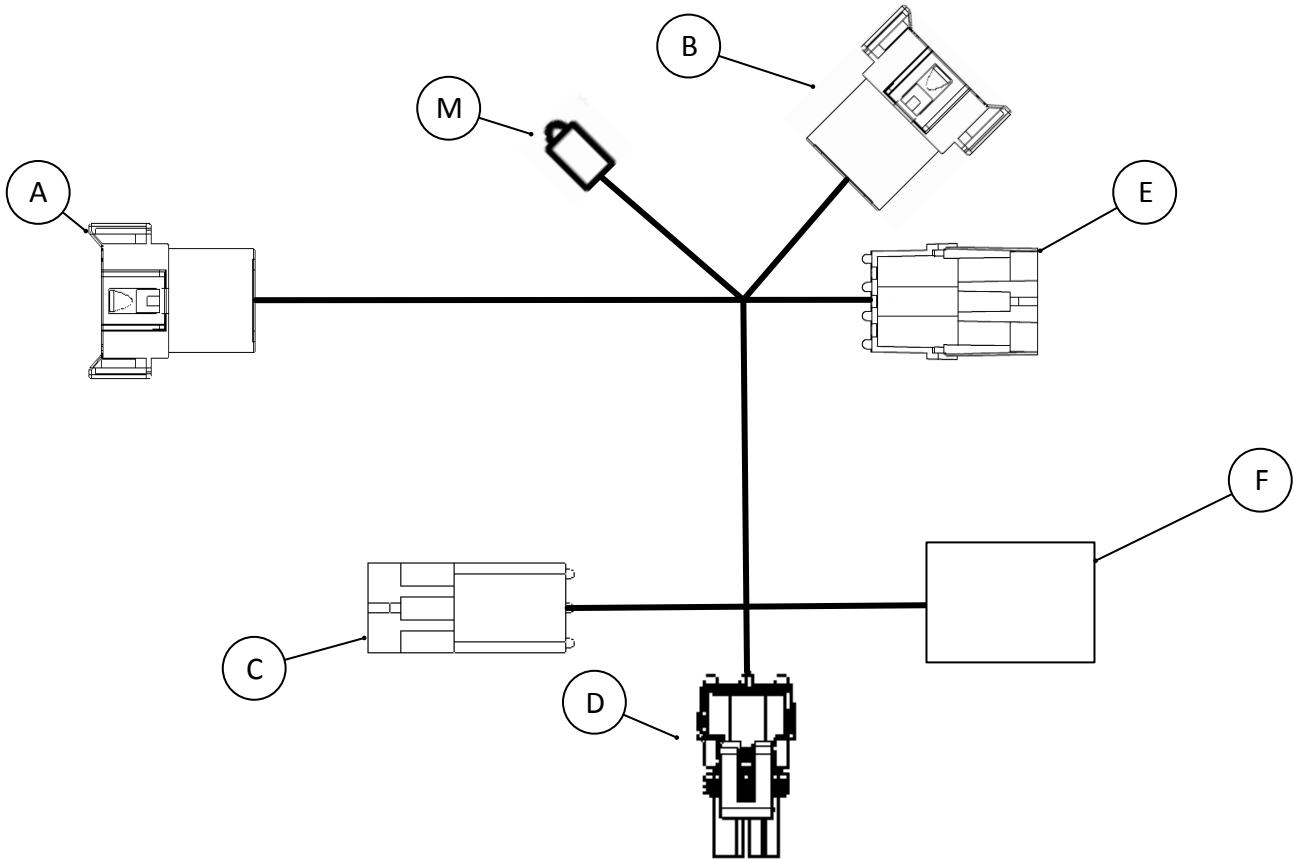
B - Head Height Sensor Connector			
Metri-Pack 150 3 Pin Receptacle			
12162185			
Pin	Function	Color	To
1	Ground	Black	AC
2	Signal	White	AB
3	Power (5V)	Red	AA

Part #

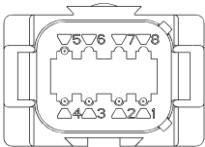
750968

Part

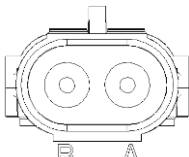
Moisture Sensor Base Harness



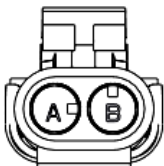
VIEW A



VIEW B



VIEW C



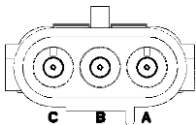
VIEW D

A - Aux Moisture Sensor Connector			
Deutsch 8 Pin Receptacle			
DT04-08PA			
Pin	Function	Color	To
1	Ground	Black	B5, EC, F85
2	Signal - Moisture HI	Orange	B2
3	Signal - Moisture LO	Yellow	B3
4	Signal - Temp (Moisture)	Violet	B4
5	Signal - Proximity Sensor	Blue	EB
6	-	-	-
7	Relay Power (8V)	Grey	F86, M2
8	Switched Power (12V)	White	B1, EA

B - Moisture Sensor Connector			
Deutsch 8 Pin Plug			
DT04-08PB			
Pin	Function	Color	To
1	Switched Power (12V)	White	A8, EA
2	Signal - Moisture HI	Orange	B2
3	Signal - Moisture LO	Yellow	B3
4	Signal - Temp (Moisture)	Violet	B4
5	Ground	Black	A1, EC, F85
6	-	-	-
7	-	-	-
8	-	-	-

C - Battery Power Connector			
Weatherpack 2 Pin Receptacle			
12010973			
Pin	Function	Color	To
A	Battery Power (12V)	Red	F30, M1
B	Ground	Black	DB

D - Auger Motor Connector			
Weatherpack 2 Pin Plug			
12015792			
Pin	Function	Color	To
A	Motor Power (12V)	Orange	F87
B	Ground	Black	CB



VIEW E

E - Proximity Sensor Connector			
Weatherpack 3 Pin Receptacle			
12010717			
Pin	Function	Color	To
A	Switched Power (12V)	White	A8, B1
B	Signal - Proximity Sensor	Blue	A5
C	Ground	Black	A1, B5, F85

F - Relay			
Hella			
H84709001			
Pin	Function	Color	To
30	Battery Power (12V)	Red	CA, M1
85	Relay Ground	Blue	A1, B5, EC
86	Relay Power	Grey	A7, M2
87	Motor Power	Orange	DA