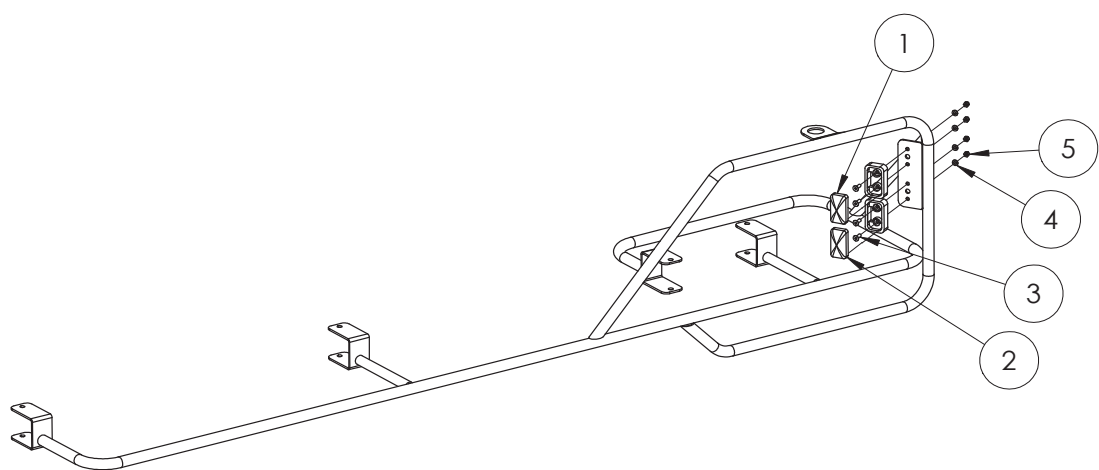


ELECTRICS

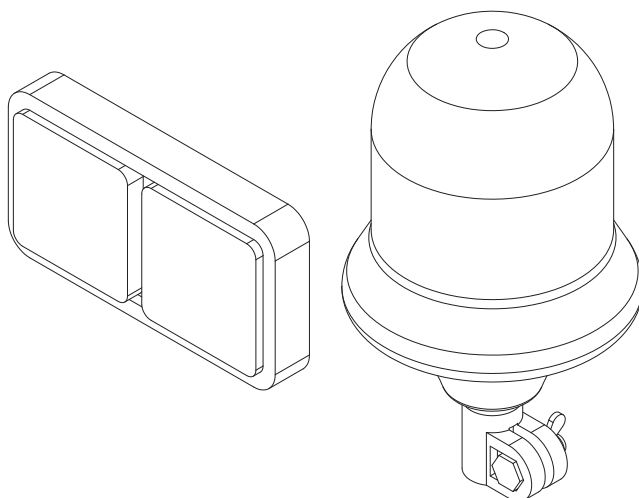
Boom LED Lights



Note: GA5060262 Boom fence line suit dual solenoid loom
Not shown

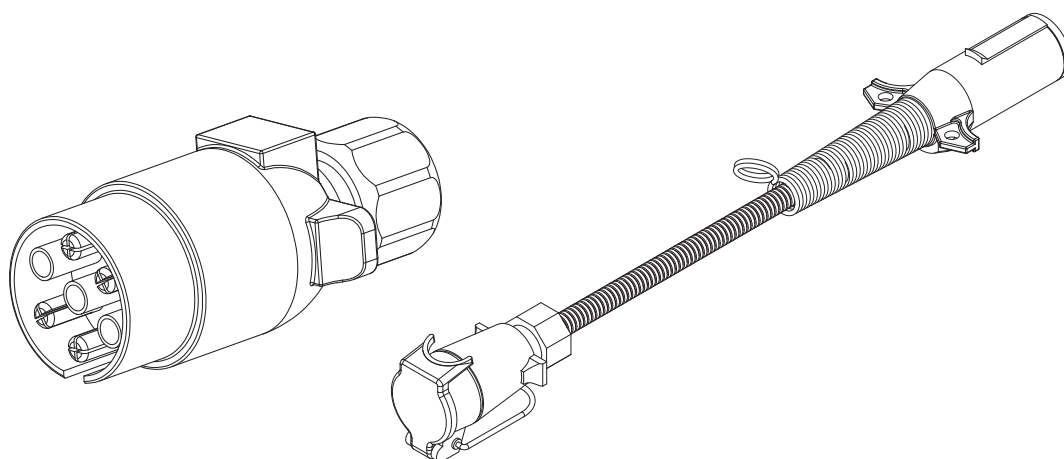
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051345	Light Boom Clearance LED (orange)	1
2	GA5075155	Red LED Fence line jet clearance light	1
3	GA5051230	Bolt M5 x 16mm FHCS 45°	4
4	GA5003983	M5 washer SS	4
5	GA5003975	M5 Nyloc nut SS	4

Lights



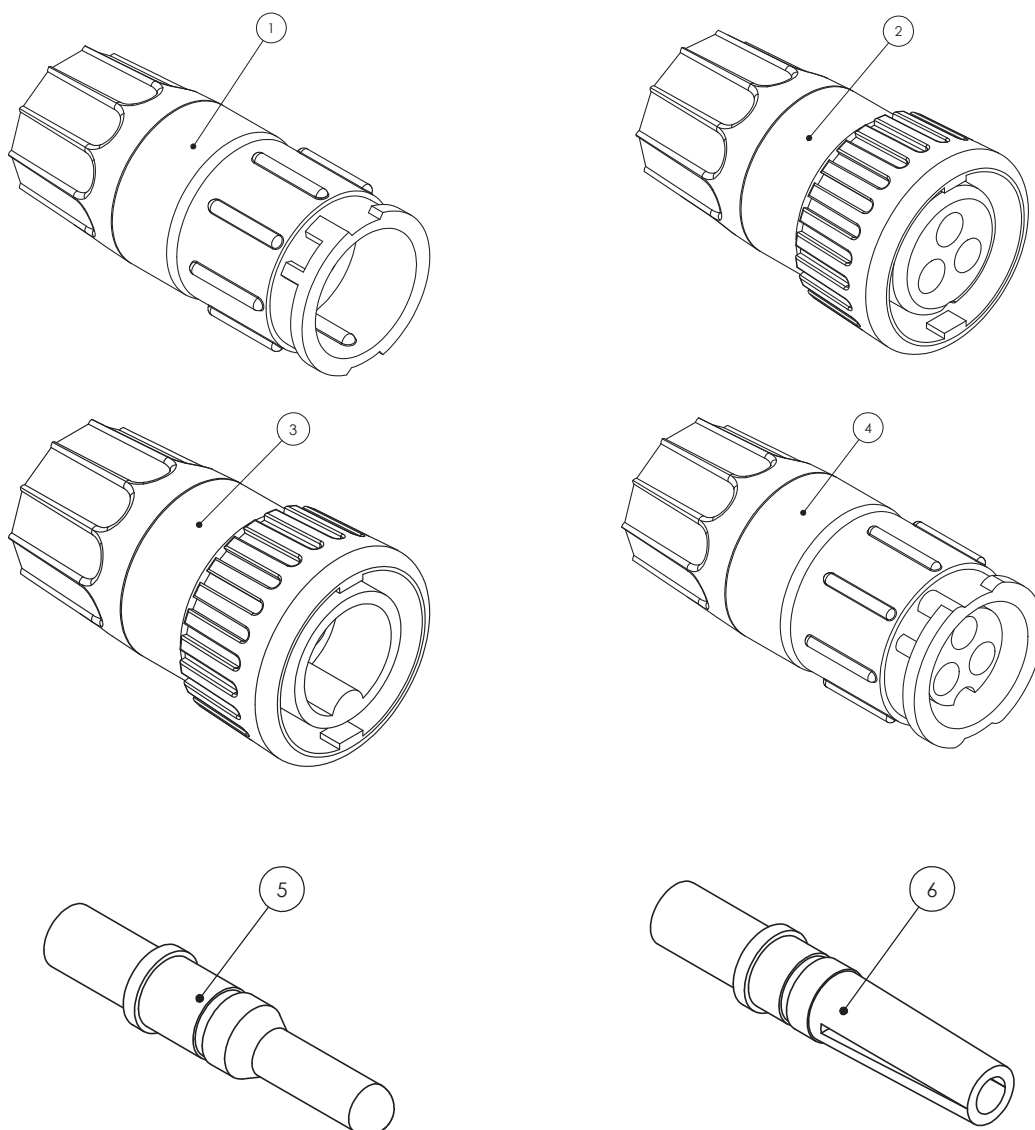
PART NO	DESCRIPTION
GA5018786	LED Tail Light
GA5048975	Rotating Beacon Light

Electrical Components



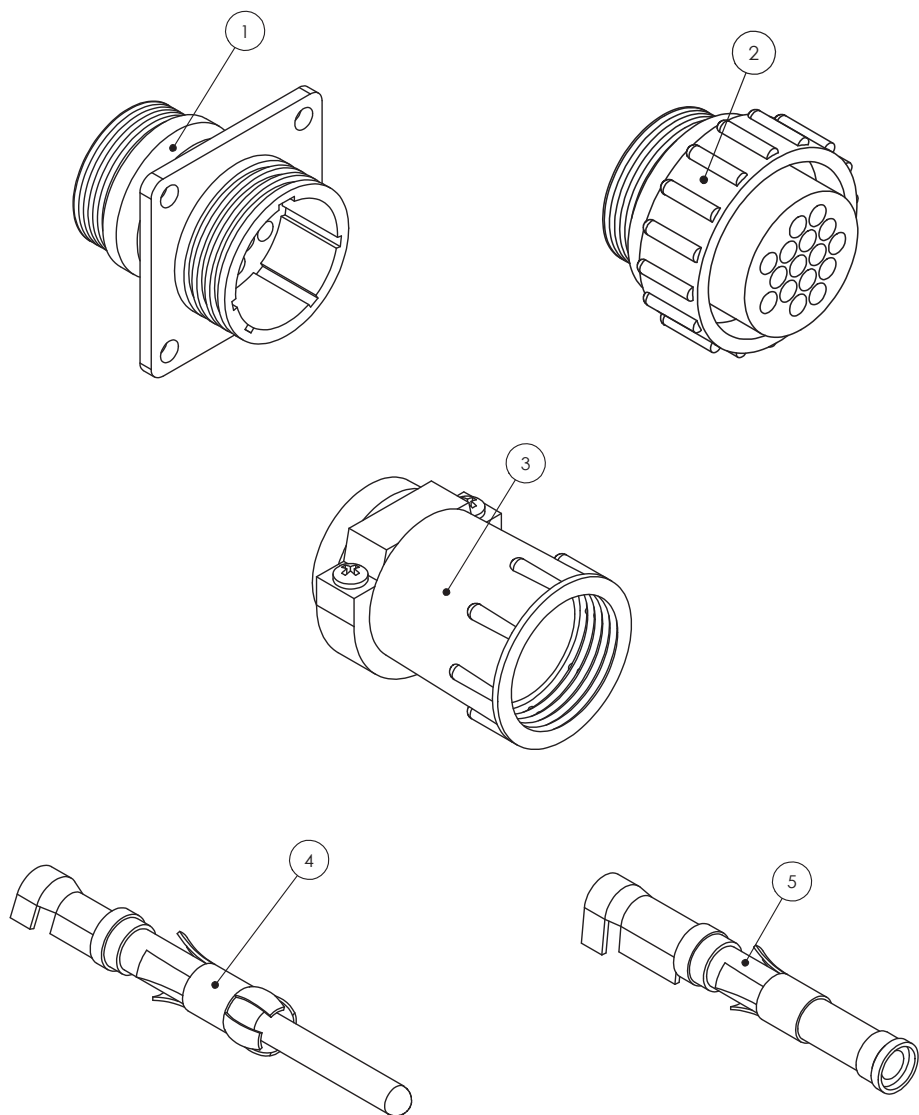
PART NO	DESCRIPTION
GA5004477	7 Pin Trailer Plug (Round)
GA5060350	Adpater to suit American Style Tractors

Raven (AMP) Electrical Connectors



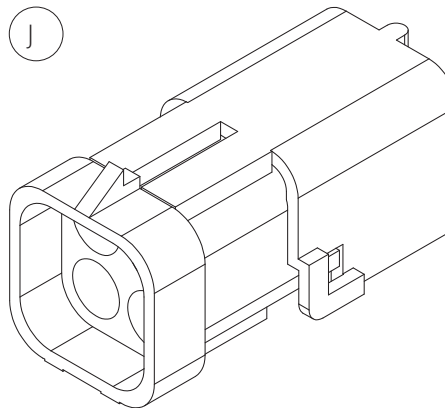
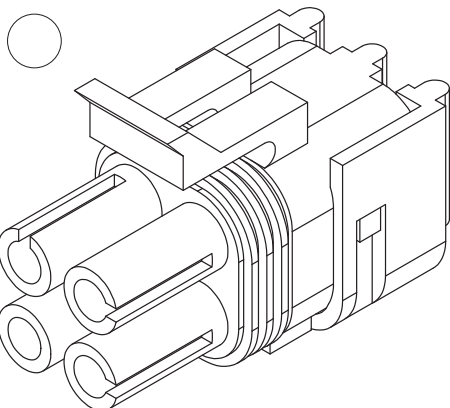
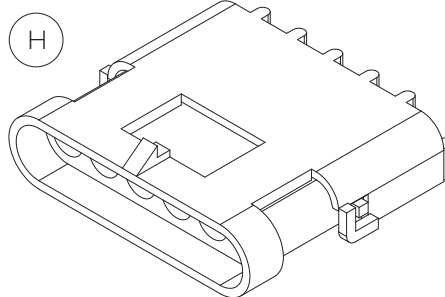
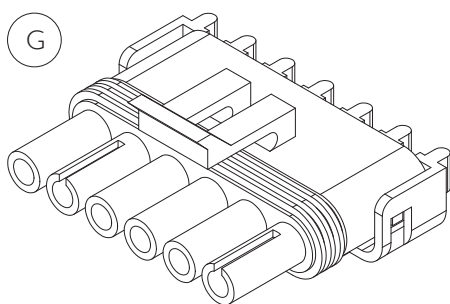
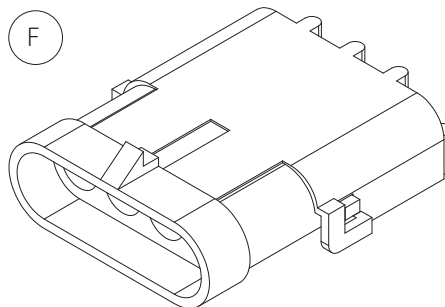
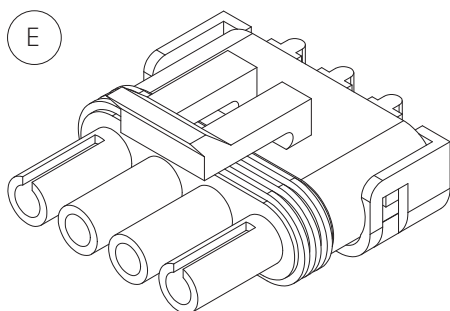
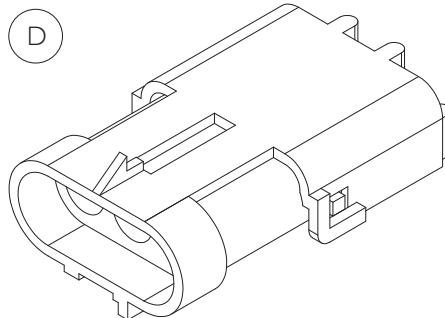
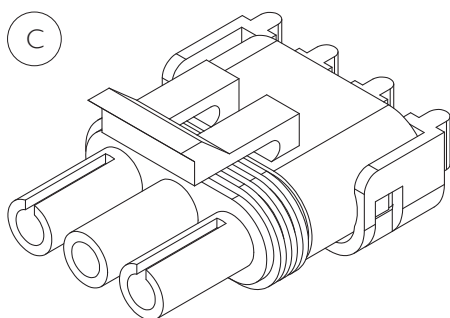
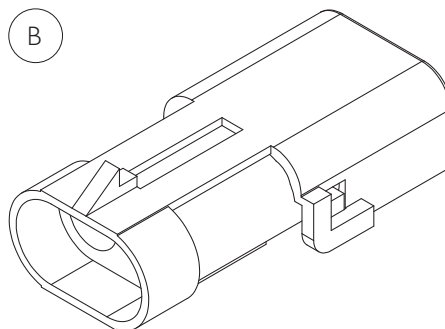
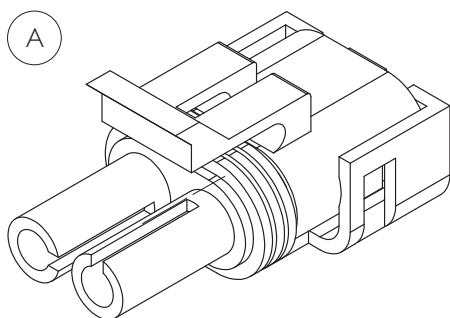
ITEM	PART NO	DESCRIPTION
1	4084001014	Male Flow Meter Connector
2	4084001015	Female Flow Meter Connector
3	4084001010	Male Speed Sensor Connector
4	4084001016	Female Speed Sensor Connector
5	4084001062	Male Pin for Flow Meter & Speed Sensor Connectors
6	4084001063	Female socket for Flow Meter & Speed Sensor Connectors

Raven (AMP) Electrical Connectors

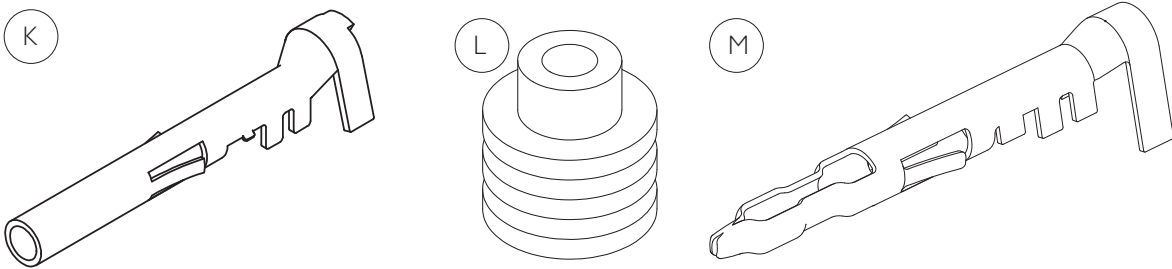


ITEM	PART NO	DESCRIPTION
1	4084001017	Male Loom Connector for 440 & 450 Consoles (16 Pin)
2	4084001018	Female Loom Connector for 440 & 450 Consoles (16 Pin)
3	GA5049175	Backing Shell for 16 Pin Connectors
4	GA5048905	Gold Male Pin For Raven Loom Connectors
5	GA5048900	Gold Female socket for Raven Loom Connectors
	GA5020785	Male loom connector 37 pin (not shown)
	GA5020780	Female loom connector 37 pin (not shown)
	GA5020560	Backing Shell 37 pin connector (not shown)

Electrical Connectors



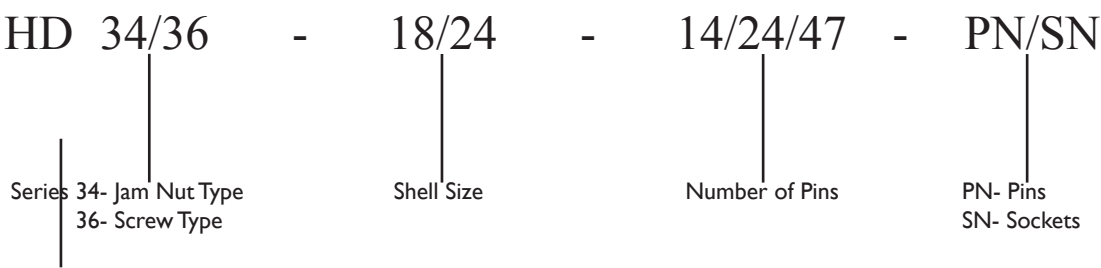
Electrical Connectors



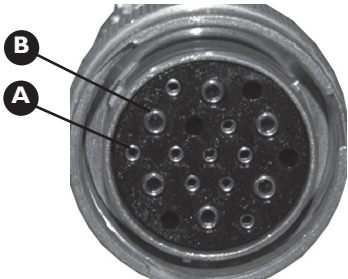
ITEM NO	PART NO	DESCRIPTION
A	GA5001351	Male 2 Pin Plug
B	GA5007381	Female 2 Pin Plug
C	GA5002211	Male 3 Pin Plug
D	GA5048550	Female 3 Pin Plug
E	GA5007385	Male 4 Pin Flat Plug
F	GA5007383	Female 4 Pin Flat Plug
G	GA5004009	Male 6 Pin Plug
H	GA5002663	Female 6 Pin Plug
I	GA5049000	Male 4 Pin Square Plug
J	GA5050805	Female 4 Pin Square Plug
K	GA5016619	Female Type Socket
L	GA5014857	Rubber Seal (Green)
M	GA5016617	Male Type Pin

Deutsch Electrical Connectors

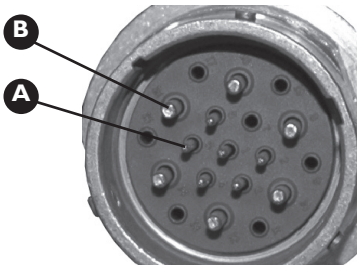
Deutsch Part Number Breakdown



Item	Part No	Description
A	GA5061230	16GA Female Deutsch Socket
B	GA5061270	12GA Female Deutsch Socket



Item	Part No	Description
A	GA5061220	16GA Male Deutsch Pin
B	GA5061260	12GA Male Deutsch Pin



Deutsch Electrical Connectors

Item	Part No	Description
A	GA5002671	HD34-18-14PN Connector
B	GA5002675	HD34-24-21PN Connector



Item	Part No	Description
A	GA5002663	HD36-18-14SN Connector
B	GA5002655	HD36-24-21SN Connector



Part No	Description
GA5062635	HD34-24-47-PE Connector(47 Socket)
GA5061200	Small Male Socket
GA5061260	Large Male Socket



Part No	Description
GA5062640	HD24-47-SE-059 Connector(47 Pin)
GA5061210	Smale Female Pin
GA5061230	Large Female Pin



Part No	Description
GA5021310	HD36-24-19SN-059 Connector 19 socket



Part No	Description
GA5021315	HD34-24-19PN Connector 19 pin



Deutsch Electrical Connectors

Part No	Description
GA5020920	Plug for size 24 Connector with External Thread on Plug
GA5020910	Plug for size 18 Connector with External Thread on Plug



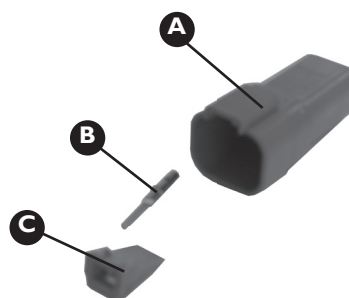
Part No	Description
GA5020925	Plug for size 24 Connector with External Thread on Connector
GA5020915	Plug for size 18 Connector with External Thread on Connector



Item	Part No	Description
A	GA5012399	Connector Lock Nut suit 24 shell
	GA5009887	Connector Lock Nut suit 18 shell
B	GA5017621	Connector Lock Washer suit 24 shell
	GA5009893	Connector Lock Washer suit 18 shell



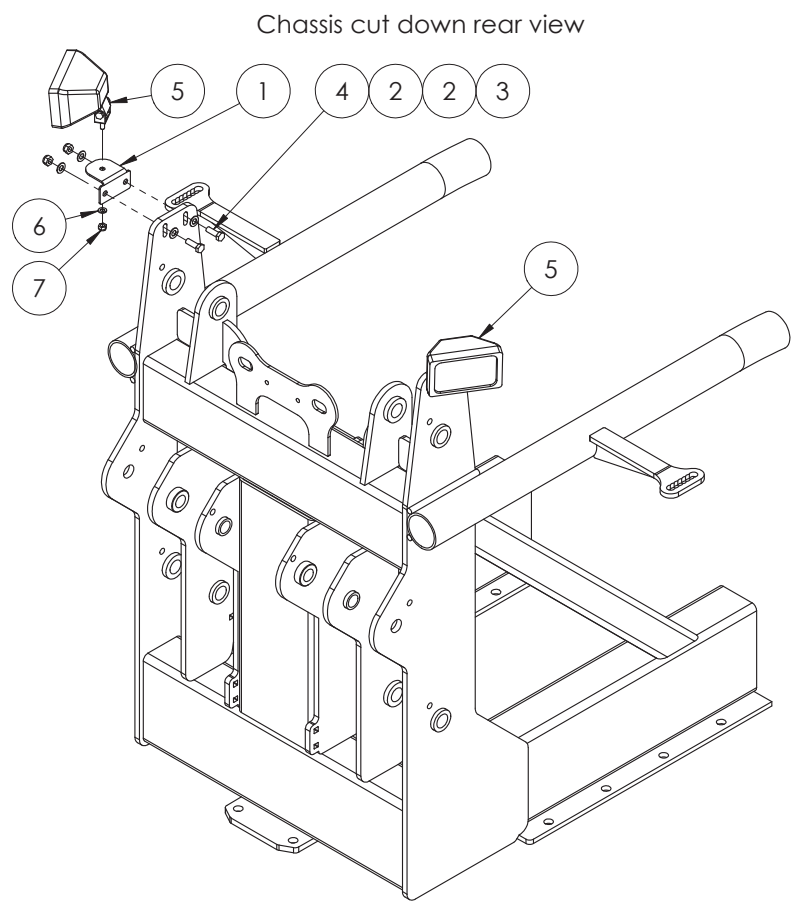
Item	Part No	Description
A	GA5013783	Housing (4 Pin)
B	GA5061240	Pin
C	GA5050765	Lock Wedge



DEUTSCH CONNECTOR PLACEMENTS

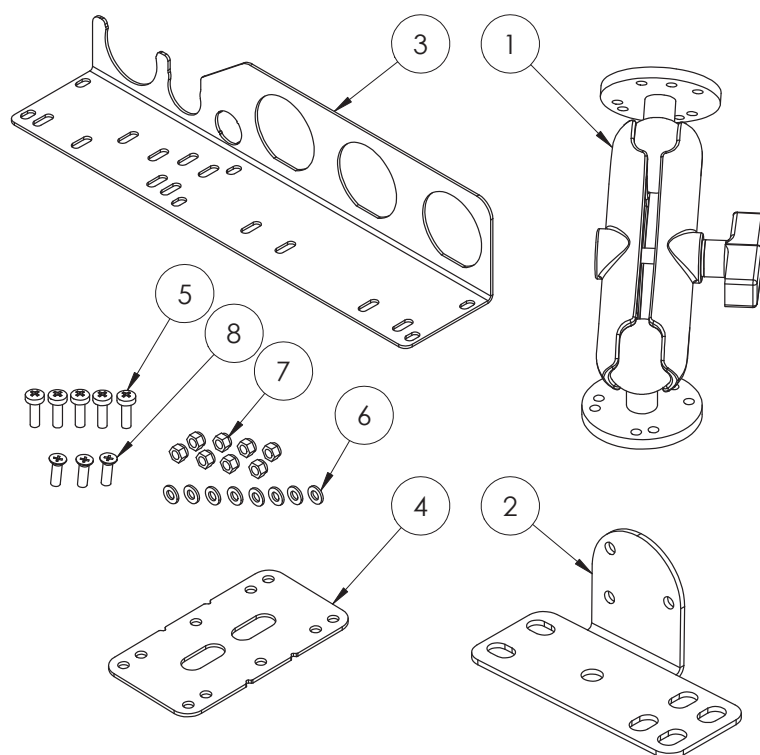
Part No	Position on Sprayer
GA5002671	Used on the Foam/Hydraulics console loom
GA5002675	Used on the Foam/Hydraulics console loom
GA5002663	Used on the Foam Hydraulics chassis loom
GA5002655	Used on the Foam Hydraulics chassis loom
GA5021310	Used on the Direct Chemical Injection chassis loom
GA5021315	Used on the Direct Chemical Injection console loom
GA5062635	Used on the Main Sprayer console loom
GA5062640	Used on the Main Sprayer chassis loom

Boom Lights Mount



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522570	Boom light mounting bracket	2
2	GA5000115	Washer flat SS 10mm	8
3	GA5000141	M10 Nyloc Nut	4
4	GA5065455	Bolt Gr8.8 M10x30	4
5	GA5050105	Flood light Stingray	2
6	GA5004883	Washer 8mm SS	2
7	GA5051700	M8 Nyloc Nut	2

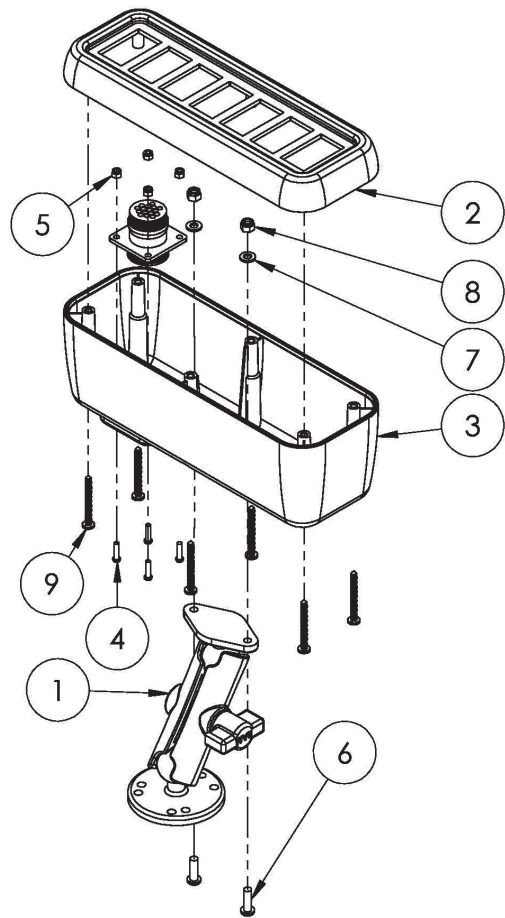
Console Mounting Kit



GA4903666 Complete console mounting kit

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020825	Universal Standard Mount RAM IOI	1
2	GA4522930	Tractor controller ram mount bracket	1
3	GA4523475	Loom support plate suit 440 and 4400	1
4	GA4523935	Control box dual mounting plate	1
5	GA5003976	M5 x 20mm Pan head Screw	5
6	GA5003983	M5 washer ss	8
7	GA5003975	M5 Nyloc nut SS	8
8	GA5051230	Set Screw M5 x 16 Countersink SS	3

Control Boxes



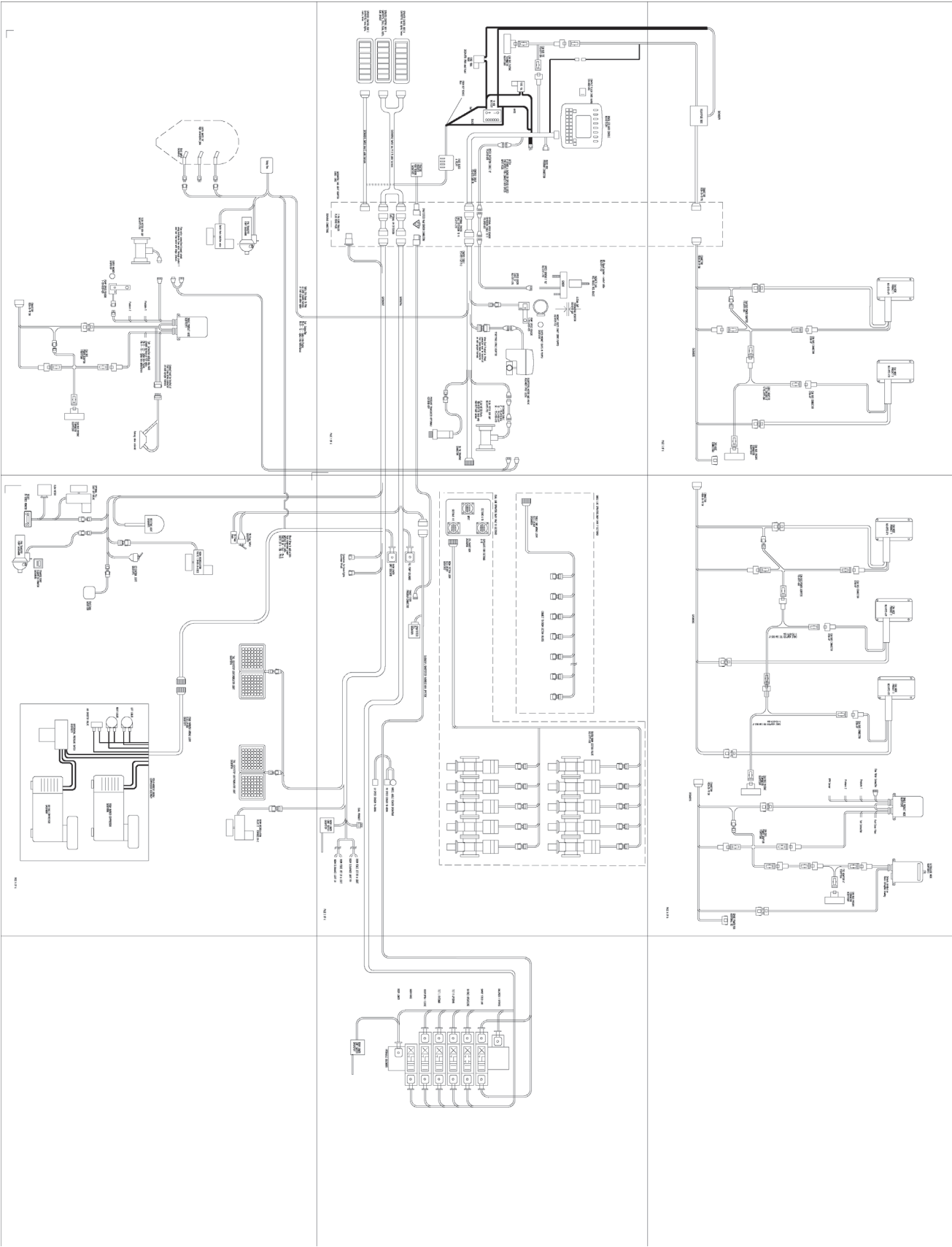
For switchbox decals refer to chapter 17 “Decals”

SWITCH PART NUMBERS	
On/Off switch	GA5012671
On/Off/On	GA5012673
Mom On/Off/ Mom On	GA5060410
Blank insert	GA5006421
Steering Calibrate switch	GA5075180

COMPLETE SWITCH BOXES
Switch Box A GA4903710
Switch Box B GA4903715
Switch Box C GA4903720

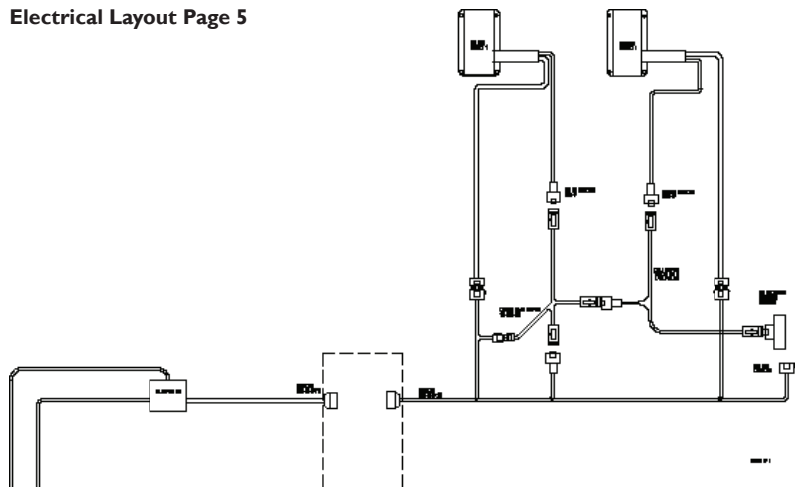
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068930	RAM-B-138	1
2	GA5075100-02	Switch box 2011 top	1
3	GA5075100-01	Switch box 2011 Base	1
4	GA5003083	M3 x 12mm screw SS	4
5	GA5049465	M3 Nyloc nut SS	4
6	GA5003977	Bolt M5 x 16 Pan Head SS	2
7	GA5003983	M5 Washer SS	2
8	GA5003975	M5 Nyloc nut SS	2
9	GA5075105	Screw Phillips Head 8G 1-1/2 inch Pan Head self tapping stainless steel	6
10	GA5060242	Hyd functions/base sprayer control box loom	1

Electrical Layout - Overview

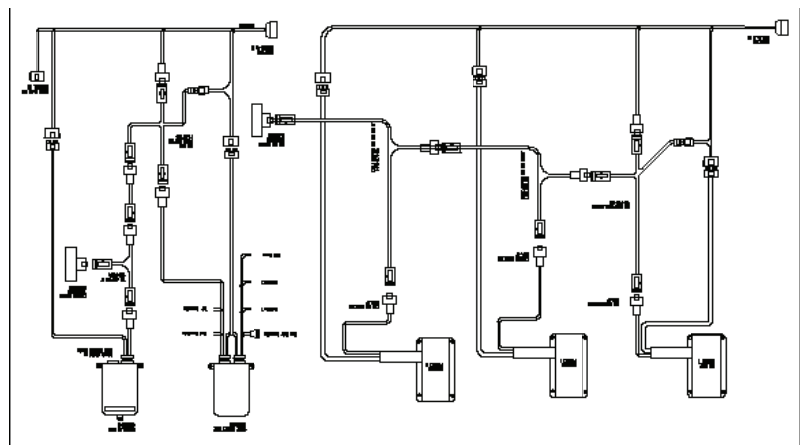


Electrical Layout - DCI & DCI with Ultraglide

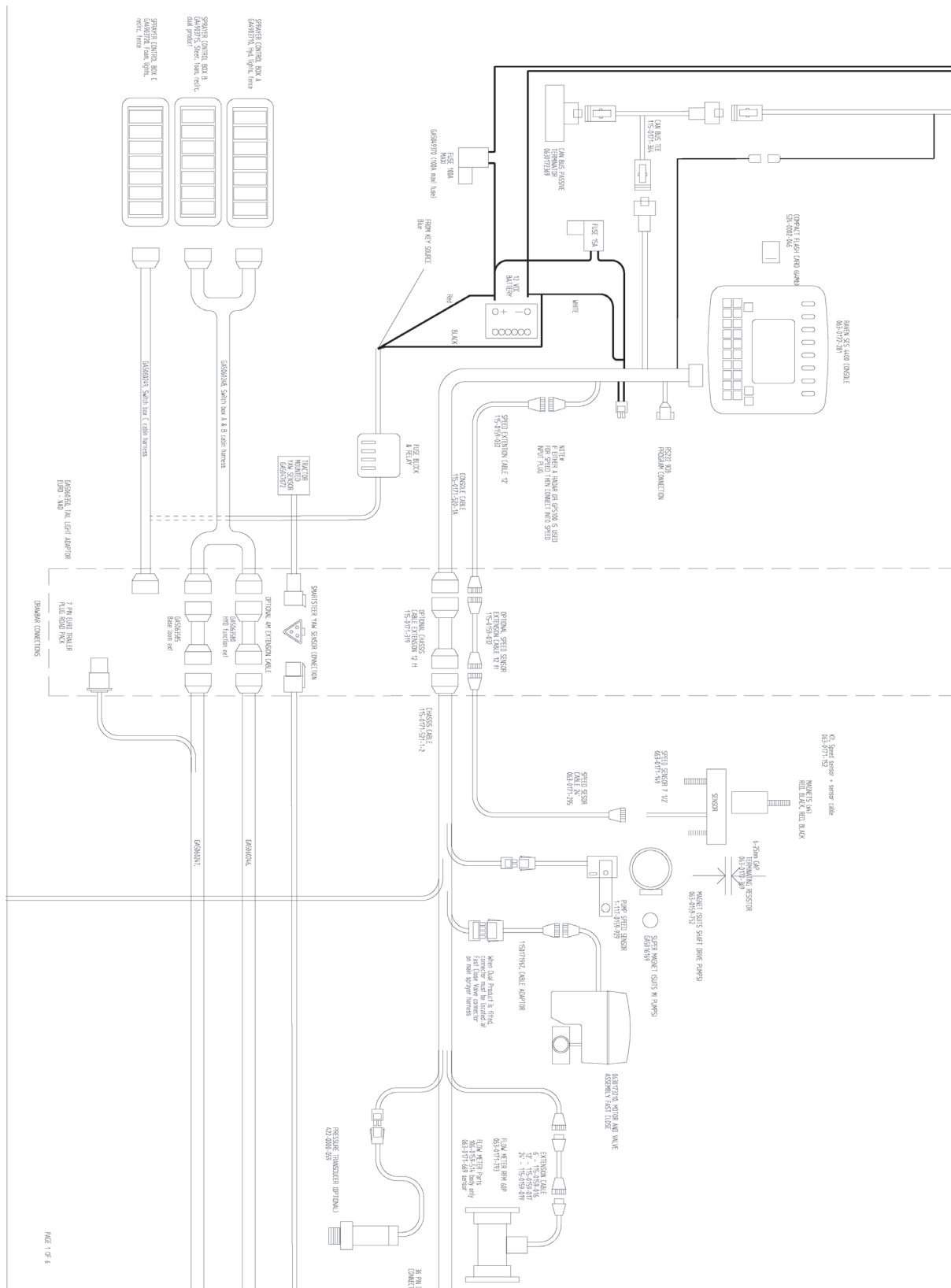
Electrical Layout Page 5



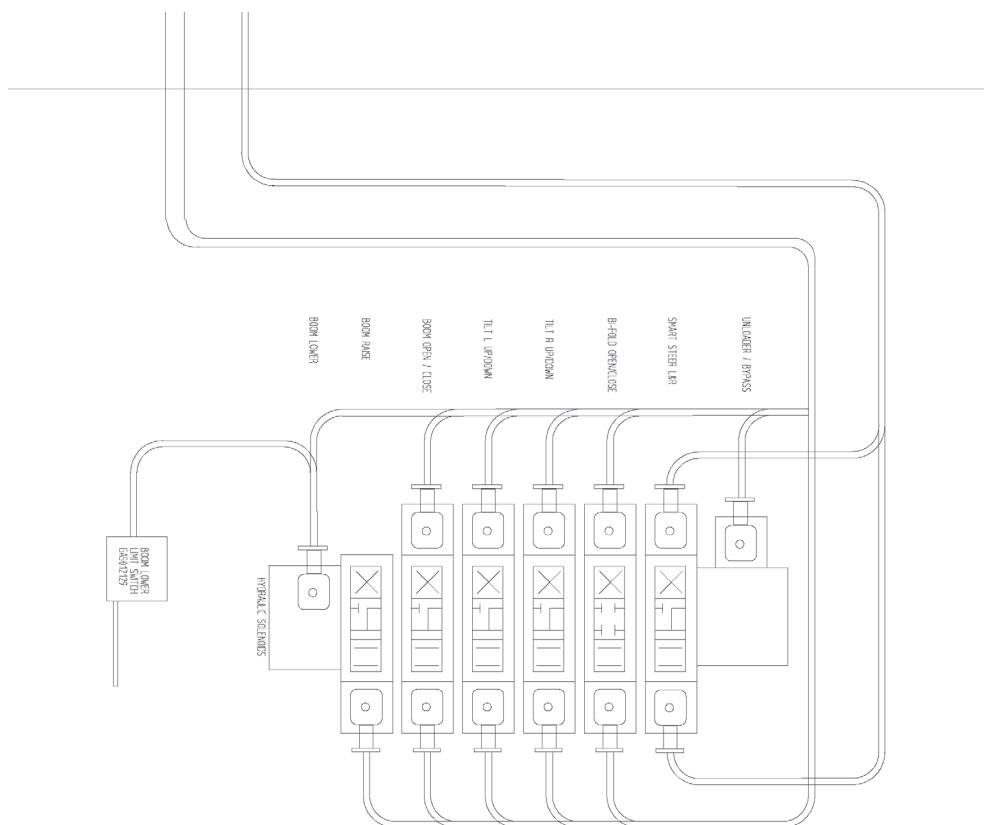
Electrical Layout Page 6



Electrical Layout - Page I



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Direct Chemical Injection

Direct Chemical Injection with Ultraglide

