

MAGNUM SRA SERIES

PARTS MANUAL



MAGNUM 300SRA
MAGNUM 420SRA
MAGNUM 480SRA

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SRA SERIES

MAGNUM 300SRA/420SRA/480SRA PARTS MANUAL

The purpose of this manual is for parts identification of the Magnum SR series harvester. This manual is not to be used for assembly. This manual includes parts lists and illustrations of all available replacement parts for the Magnum SR series harvesters. A table of contents is placed at the beginning of the manual for location of specific parts. Keep this manual available for reference in the shop area.

At the time of publication all information contained in this manual was technically correct. However, all materials and specifications are subject to change without notice.

Comments and suggestions about this manual may be directed to: Bucyrus Equipment Co., Inc., PO Box 156-209 Main, Hillsdale, KS 66036. Phone 1-800-330-0857

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ELECTRICAL COMPONENTS

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	000102-SR	Magnum II counter
2	1	LB1-0523A	Chop valve body
3	1	GS02-30-20-N	Chop valve actuator
4	1	CCP012L	Chop valve coil
5	1	44252	Master On/Off switch
6	1	44215	Toggle boot
7	1	44216	Face plate
8	1	75280	Relay base
9	1	75411	Relay
10	4	31073	Relay terminal
11	1	46050	Fuse panel
12	4	46230	30-amp fuse
13	2	DCSWI	Depth control switch
14	2	DC0009	Depth control actuator
15	1	STDSSB5	Horn switch
16	2	STD-TCP41F	Female Plug
17	1	13609-3ASSM	Ground speed proximity switch
18	1	13608	Run/Hold proximity switch
19	2	DT06-2S	2 Pin Connector, Female
20	2	DT06-2P	2 Pin Connector, Male
21	1	FRA000-SRA	Frame Cord
22	1	730-1020	Horn
23	3	60191-12DL	Coil
24	1	151-5663 MODIFIED (See Note 1) BES0146	Ground Speed Sensor
25	1	SRA-A1 (See Note 2) SRA-A1-2	Ground Speed Sensor Cable
26	1	LB037-1	Counter Cover
27	2	KB100	Cover Knob
28	1	LB037	Counter Mounting Cover
29	2	37018	1/4"-20 Gr 2 Zinc NE Nylon Insert Lock Nut
30	4	13105	3/8"-16x1" Zinc SAE J429 Gr 5 Hex Cap Screw
31	4	33815	3/8"Thru-Hard Yellow Zinc SAE Flat Washer
32	4	33893	3/8" Yell Zinc Hi Alloy Med Split Lock Washer
33	4	36306	3/8"-16 Zinc Finish Grade 5 Finished Hex Nut
34	1	EP100	Electrical Panel
35	1	BUSS1200-C2	Busman DVEC Power Center
36	1	DVC10-DDG	Slave Module
37	1	DVC10-GGG	Slave Module
38	1	DVC41	Digital Output Module
39	1	JBBS-57-E811	CAN Bus Junction
40	2	WCS WKC-572-0.5M	CAN Bus Cable
41	1	WSC WKC 572-0.4M	CAN Bus Cable
42	30	DT04-4P-LO12	Connector
43	1	RSM-57-TR2	Plug
44	1	SA-2252-M	Wire Harness
44A	2	625-1.5KE24A-E3	TVS



ELECTRICAL COMPONENTS

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
45	1	RKM-RSFP-572-1M	CAN Bus Cable (1M lg.)
46	1	RKM-RSFP-572-5M	CAN Bus Cable (5 M lg.)
47	1	RKM-RKM-572-2M	CAN Bus Cable (2 M lg.)
48	1	RKM-RSFP-572-2M	CAN Bus Cable (2 M lg.)
49	1	XXXXSRA-EL200	Electrical Connector Mount
50	1	XXXXSRA-EL201	Electrical Connector Mount
Note: In item's 49 & 50 part #'s "XXXX" is the Tractor Model (ex.5425SRA-EL200)			
A1	1	SRA-A1 (See Note 2) SRA-A1-2	Ground Speed Sensor Cable
A2	1	SRA-A2	Conveyor 1 Speed FPM Wire
A3	1	SRA-A3	Conveyor 2 Speed FPM Wire
A4	1	SRA-A4	Tube Dispenser Sensor Wire
A5	1	SRA-A5	Tipper Platform UP/DN Sensor Wire
A6	1		Spare
A7	1	SRA-999-10074	5VDC Regulated Power Supply
B1	1		Spare
B2	1	SRA-B2	Right Sod Shoe Sensor Wire
B3	1		Spare
B4	1	SRA-B4	Conveyor 2 UP/DN Sensor Wire
B5	1	SRA-B5	Tipper Platform RT/LT Sensor Wire
B6	1	SRA-B6	Left Sod Shoe Sensor Wire
B7	1	SRA-999-10074	5VDC Regulated Power Supply
B8	1		Diagnostic Port (DVC10-GGG)
C1	1		Spare
C2	1	SRA-C2	Cutter Blade Valve Command Wire
C3	1	SRA-C3	Conveyor 1 Valve Command Wire
C4	1	SRA-C4	Conveyor 2 Valve Command Wire
C5	1	SRA-C5	Tipper Platform Raise/Lower Command Wire
C6	1	SRA-C6	Chop Sod Command Wire
C7	1		Spare
C8	1		Diagnostic Port (DVC10-DDG)
D1	1	SRA-D1	Conveyor 2 Raise/Lower Command Wire
D2	1	SRA-D2	Tipper Platform LT/RT Command Wire
D3	1	SRA-D3	Tubes Load/Reset Command Wire
D4	1	SRA-D4	Split Net Command Wire
D5	1	SRA-D5	Blade Depth Left Command Wire
D6	1	SRA-D6	Blade Depth Right Command Wire
D7	1	DRA-D7	Steer LT/RT Command Wire
D8	1	SRA-D8	Voltage Input Power Wire
51	6	95F5220	SPDT Spring Centered Toggle Switch
52	4	9F5F209	SPDT 2-Position Toggle Switch
53	3	95F5214	DPDT 2 Position Toggle Switch
54	1	HW1S-5TF22N3	5 Position Selector Switch
55	1	HW1B-M1F10-B	Pushbutton
56	1	HW1E-BV4F02-R	E-Stop Push Button
57	1	KB-5BADS	Buzzer
58	1	APW199D-R-12	Red LED Indicator

ELECTRICAL COMPONENTS

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
59	6	04F5871	10-Turn 10K OHM Potentiometer
60	6	08F586	10-Turn Black Dial
61	1	DVC61	4-Line Display Monitor
62	1	SRA-EL1	Power Cable
62A	1	DT04-8P	8 Pin Female Connector - Housing
62B	1	W8P	8 Pin Female Connector - Wedge
62C	8	0460-202-16141	8 Pin Female Connector - Pin
62D	1	DT06-8S	8 Pin Male Connector - Housing
62E	1	W8S	8 Pin Male Connector - Wedge
62F	8	0462-201-16141	8 Pin Male Connector - Pin
63A	1	DT04-12P	12 Pin Female Connector - Housing
63B	1	W12P	12 Pin Female Connector - Wedge
63C	12	0460-202-16141	12 Pin Female Connector - Pin
63D	1	DT06-12S	12 Pin Male Connector - Housing
63E	1	W12S	12 Pin Male Connector - Wedge
63F	12	0462-201-16141	12 Pin Male Connector - Pin
64	5	46018	1 1/4" Fuse Holder
65	4	5 Amp Fuse	5 Amp Fuse
66	1	30 Amp Fuse	30 Amp Fuse
67	1		Power Cable Female Connector
68	1		Power Male Connector
69	1	DVC10-GGG	Master Module
70	1	DVC22	Digital Input Module
71	1	RKC WKC 572-0.3M	CAN Bus Cable (0.3M lg.)
72	1	409407	CAN Bus Cable Connector
73	1	409407	CAN Bus Cable Connector
74	1	409703	CAN Bus Cable Connector
75	1	RSC WKC 572-0.5M	CAN Bus Cable (0.5 M lg.)
76	1	RSC 572-0.3M	CAN Bus Cable (0.3 M lg.)
77	1	RSC RSFP 572-1M	CAN Bus Cable (1 M lg.)
78	1	75001	50A Relay
79	1	75280	50A Relay Base
80	1	30073	50A Relay Terminals
81	2	SRA-999-10074	5VDC Regulated Power Supply
82	1	LB2M-1T1111-10-B2J/JM-P2	Joystick
83	2	AOM7694HD	Monitor
84	2	SRA-EL2	Camera/Monitor Power Cable
85	1	SRA-EL3	Camera Cable 1
86	1	SRA-EL4	Camera Cable 2
87	1	SRA-EL5	Camera Cable 3
88	2	VCCS155-BECI	Camera
89	1	EB100-2	In-Cab Control Panel Box
90	1	EB200	In-Cab Control Panel Box Face Plate
91	1	XXXXSRA-CCM200	Control Panel Mount
92	1	XXXXSRA-CCM201	Control Panel Mount
93	1	XXXXSRA-CCM203	Joystick Mount
94	4	SRA-AS200	Auto Steer Linkage

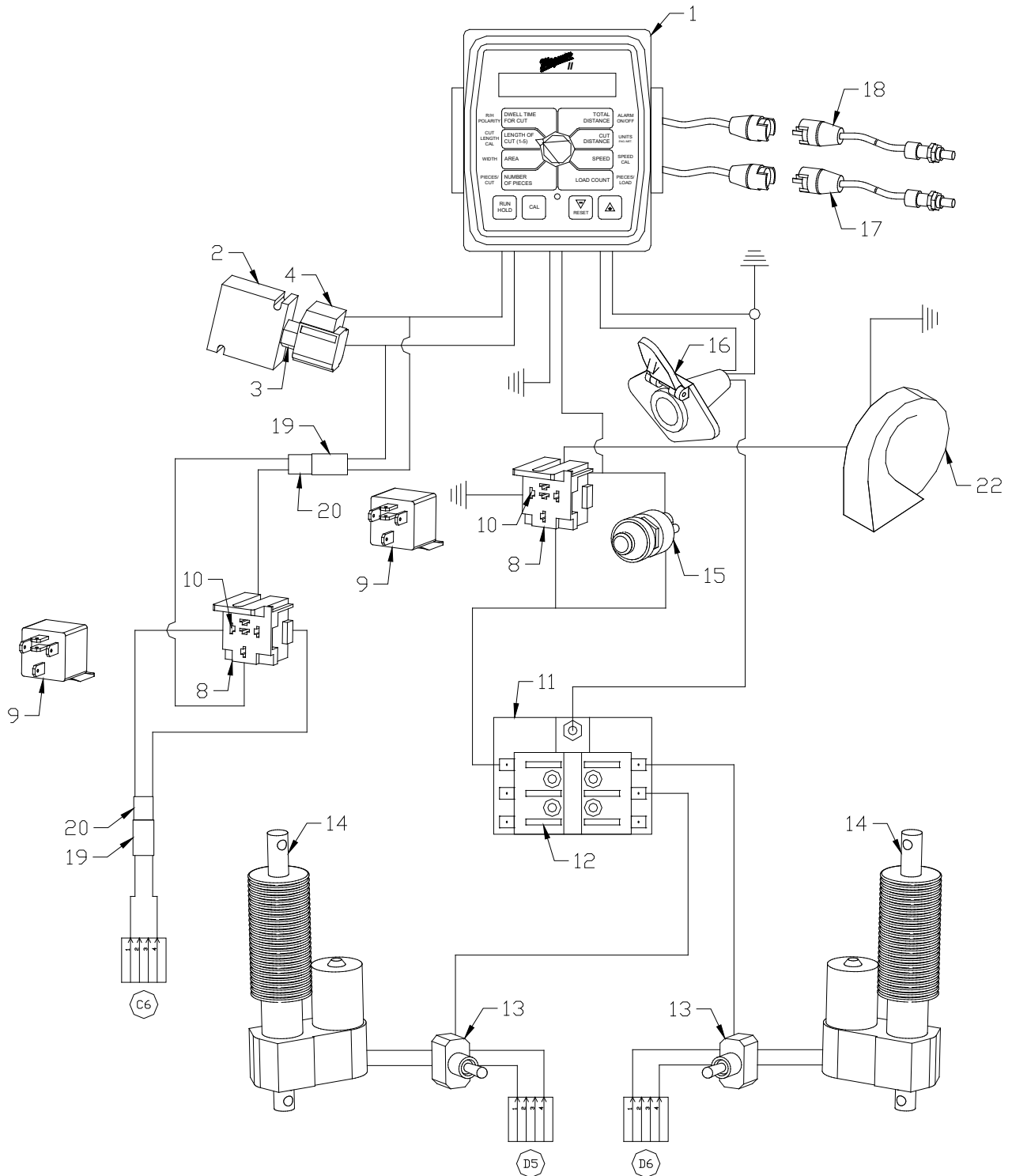
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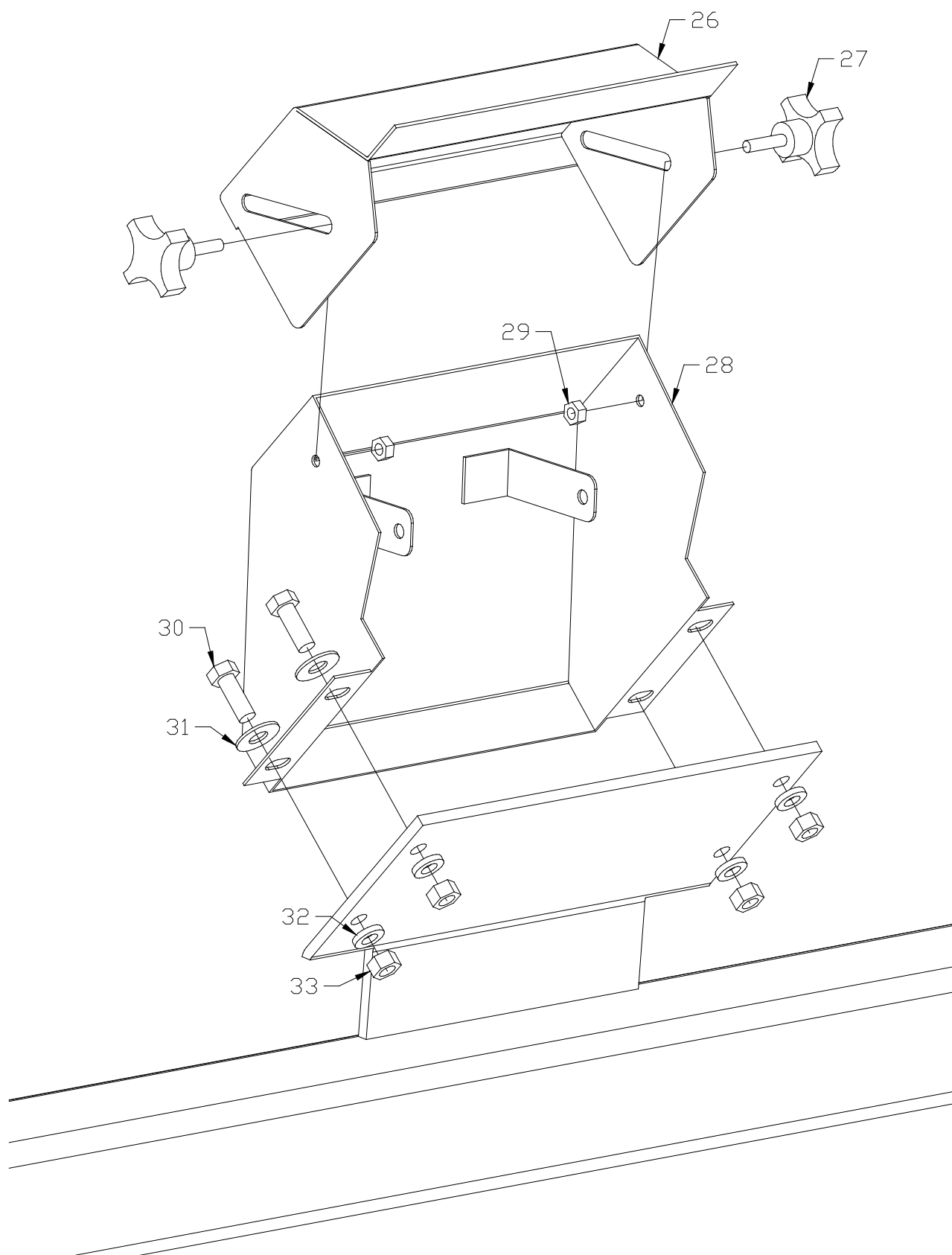
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
95	2	SRA-AS207	Auto Steer Linkage
96	6	1P003	Bearing Housing
97	6	YA100RR	Bearing
98	6	RSP101	Sensor Shaft
99	6	RSP100	Sensor Mounting Plate
100	3	9902045CW	Rotary Position sensor
101	1	SRA-AS211	Axle Sensor Linkage
102	1	SRA-AS212A	Axle Sensor Linkage
103	1	SRA-AS207	Axle Sensor Linkage
104	1	XXXXSRA-AS207	Axle Sensor Mount
Note: In item 91-93, and 104 part #'s "XXXX" is the Tractor Model (ex.5425SRA-AS200)			
105	1	SRA-TR203	Tube Rack Sensor Linkage
*106	1	SRA-TR204	Tube Rack Sensor Linkage
107	3	9902090CW	Rotary Position Sensor
108	1	AR-SC220	Second Conveyor Sensor Linkage
109	1	AR-SC221	Second Conveyor Sensor Linkage
110	1	AR-SC219	Second Conveyor Sensor Linkage
111	1	AR-TTPV206	Tipper Raise/Lower Sensor Linkage
112	1	AR-TTPV205	Tipper Raise/Lower Sensor Linkage
113	1	AR-TTPV202	Tipper Raise/Lower Sensor Linkage
114	2	SRA-TTPV202	Tipper Pivot Sensor Mount
115	1	3/32 Keyway	Keyway
116	1	SRA-TTPV203	Tipper Pivot Sensor Shaft
117	1	SRA-TTPV200	Tipper Pivot Sensor Mount
118	1	SRA-TTPV201	Tipper Pivot Sensor Mount
119	1	9810-726	Rotary Position Sensor
120	2	703X400	Spring

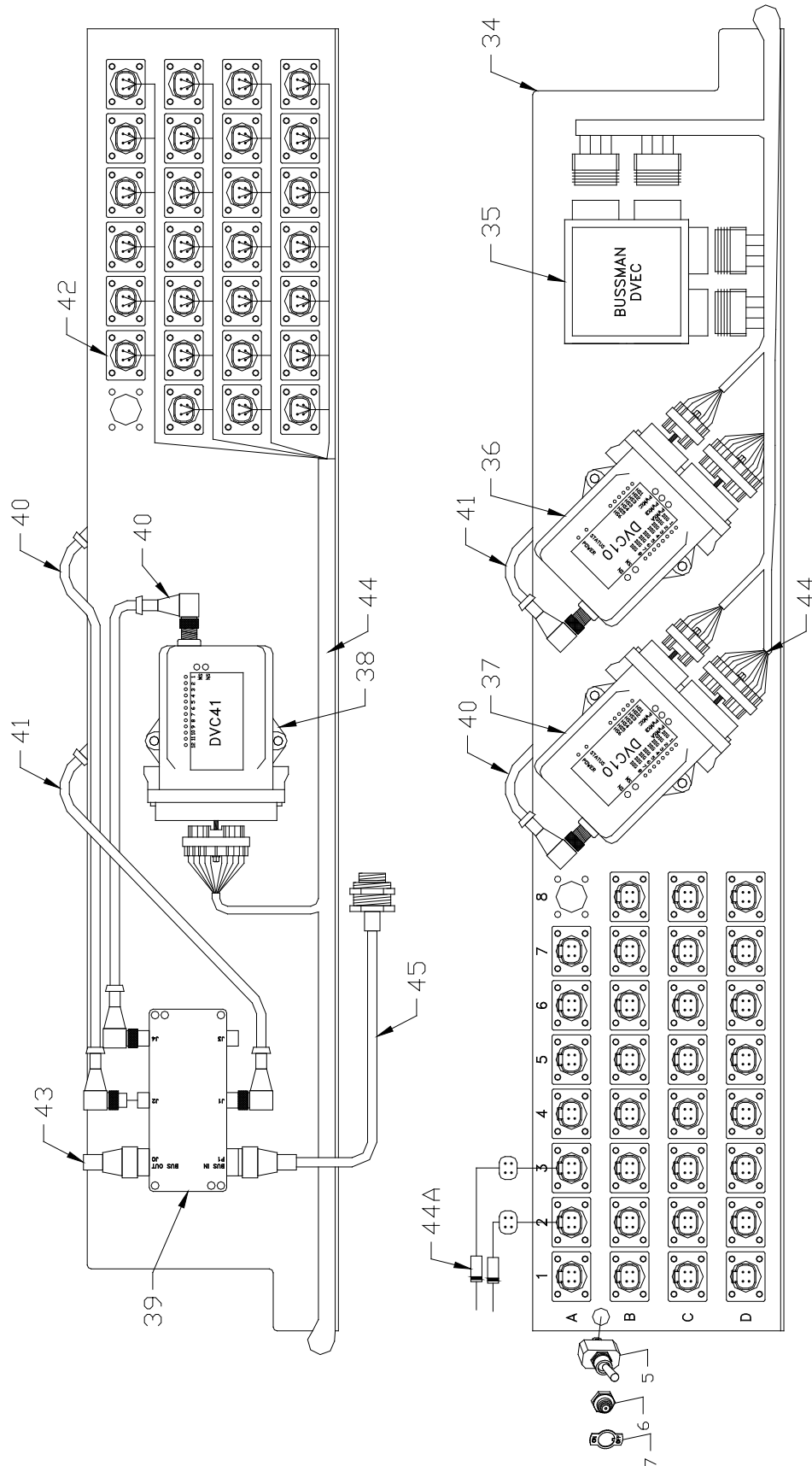
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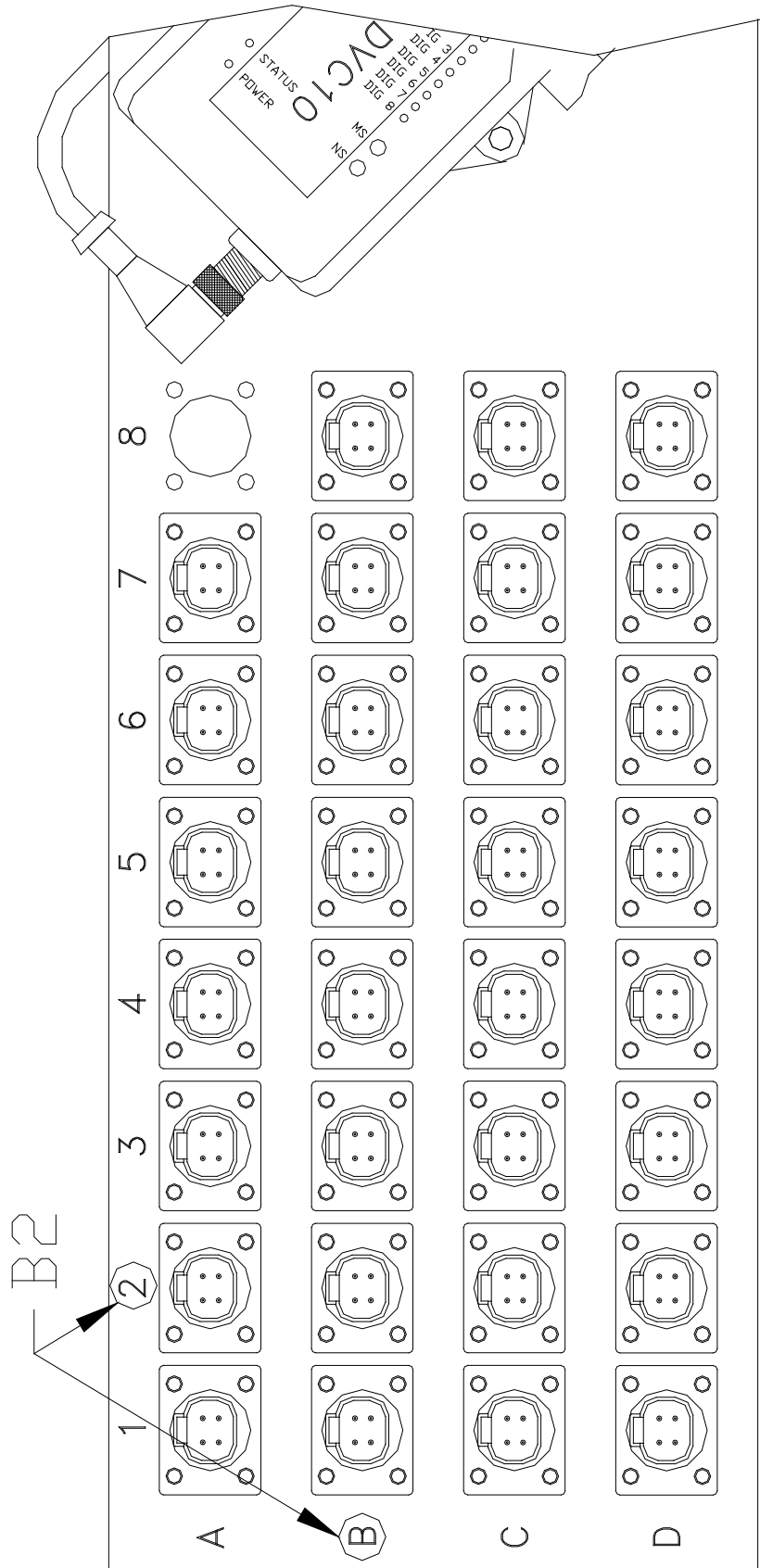
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2. Used on machines up to serial number 106, and with SRA-A1-2 on serial number after 106.

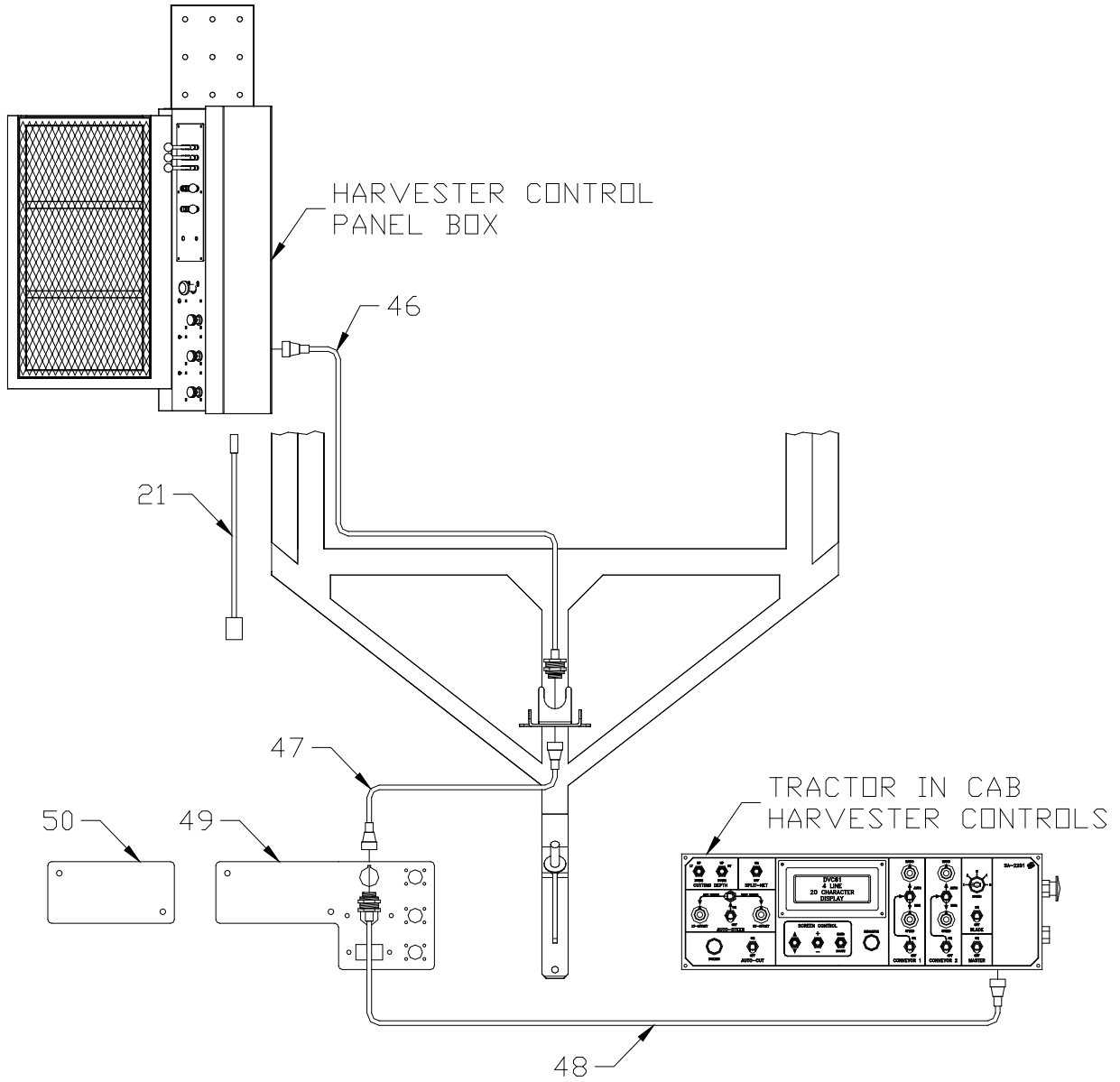
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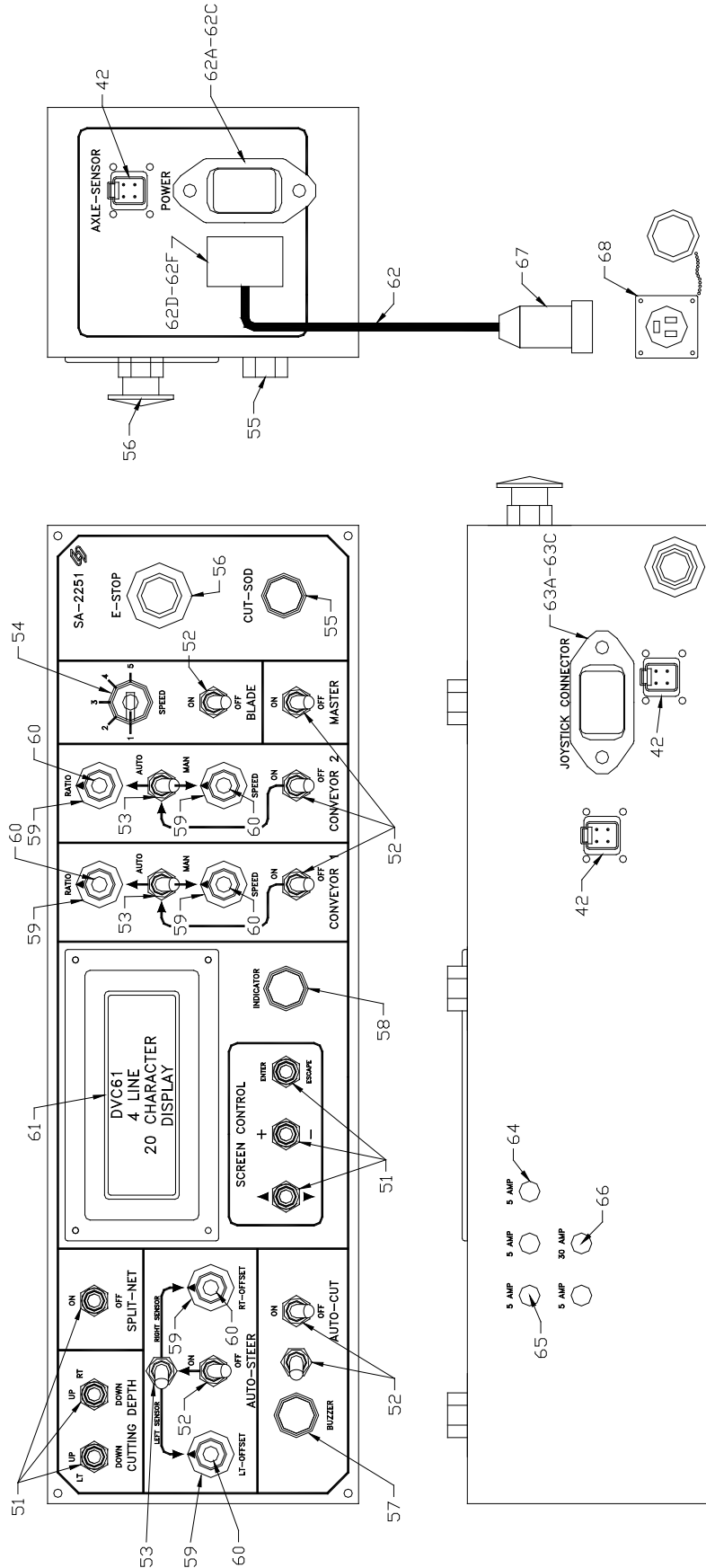


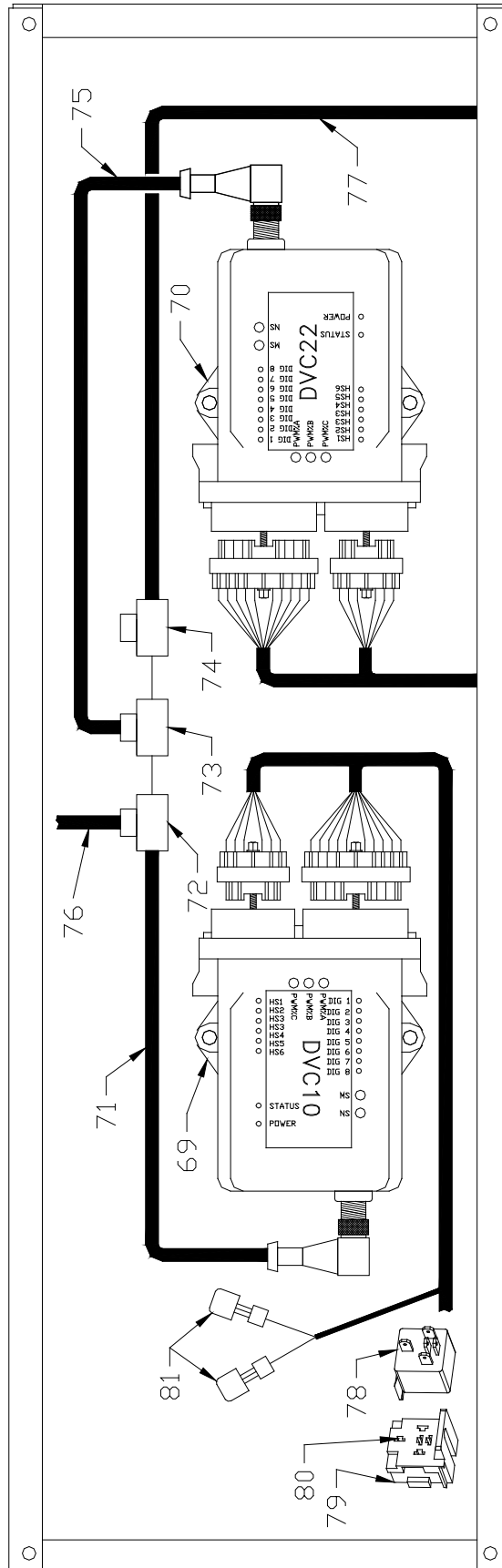


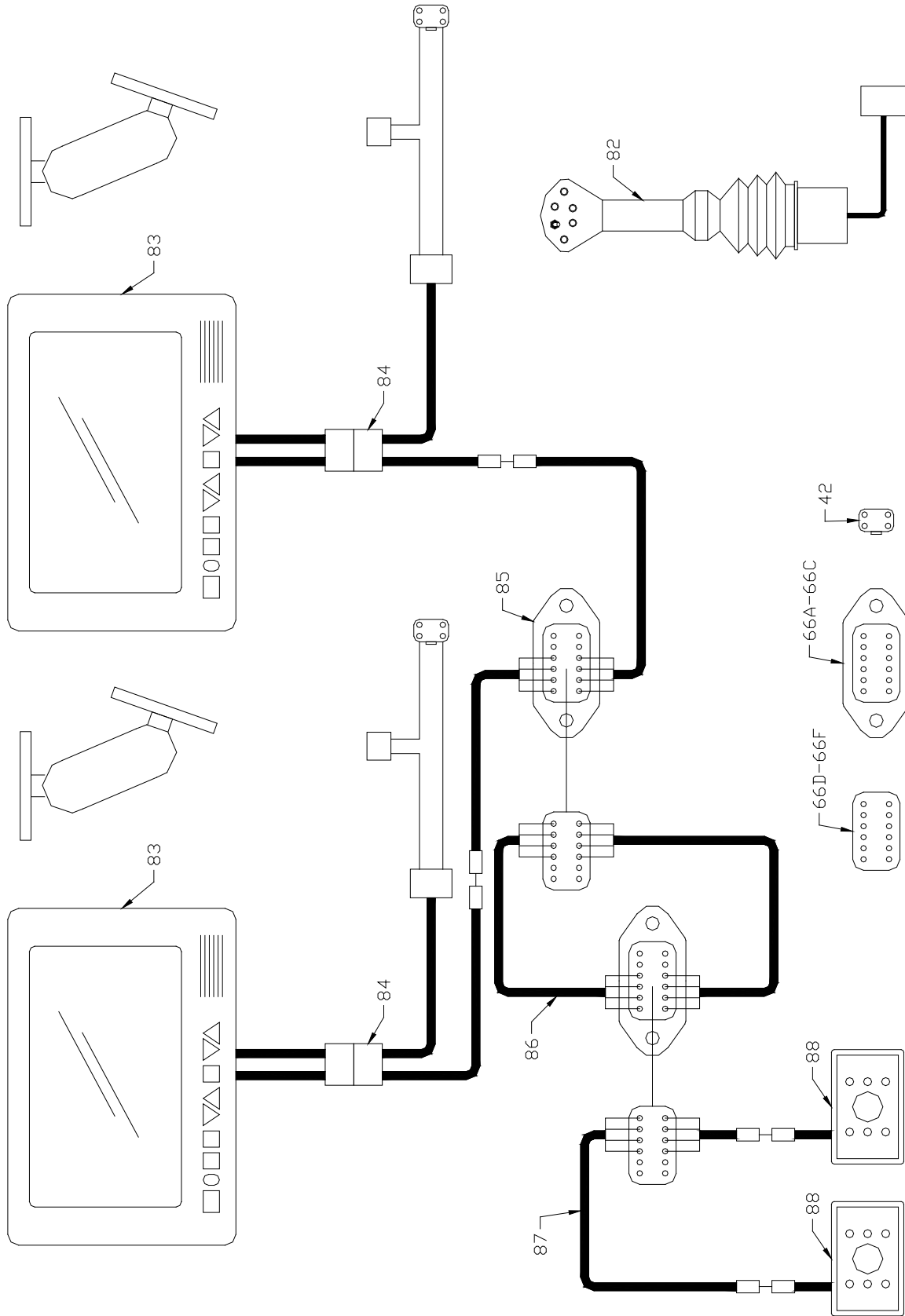


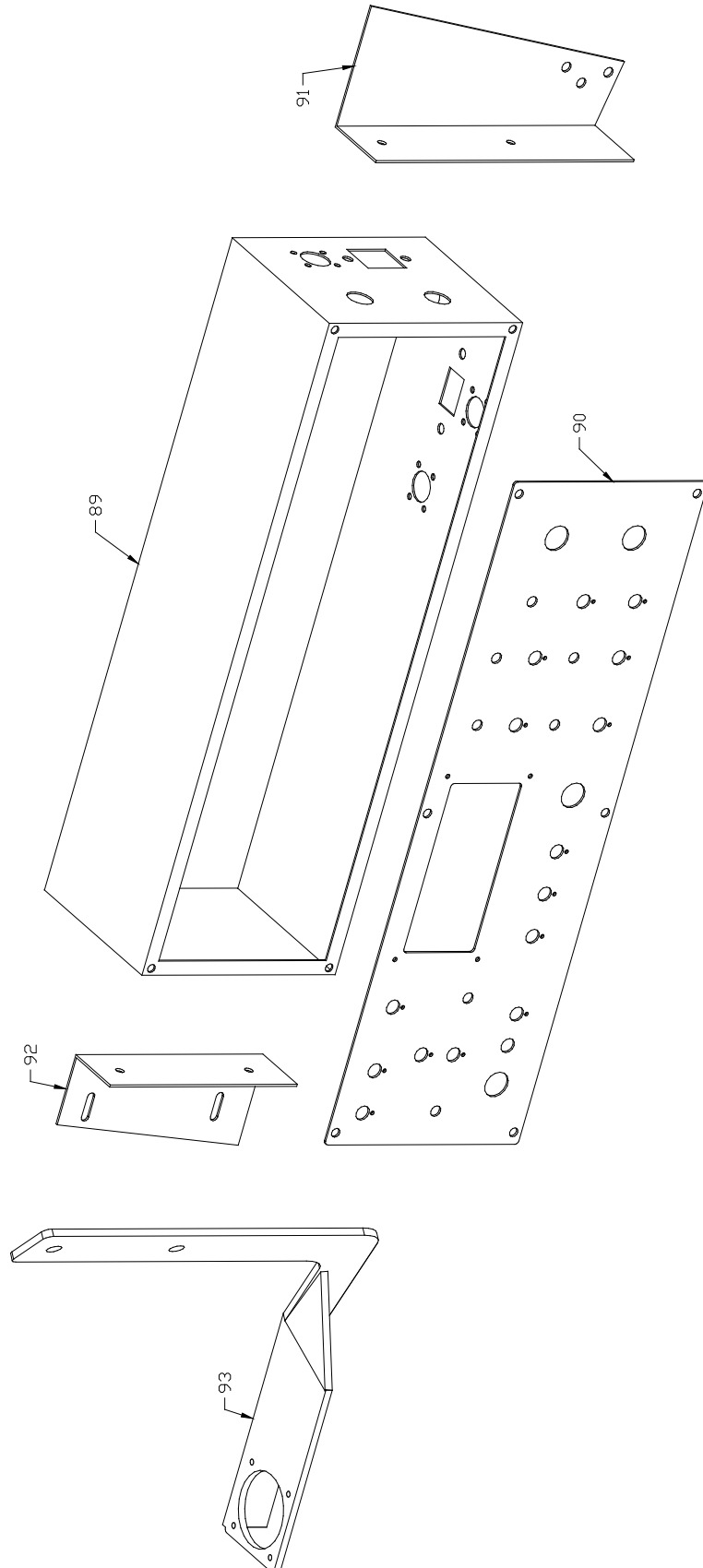


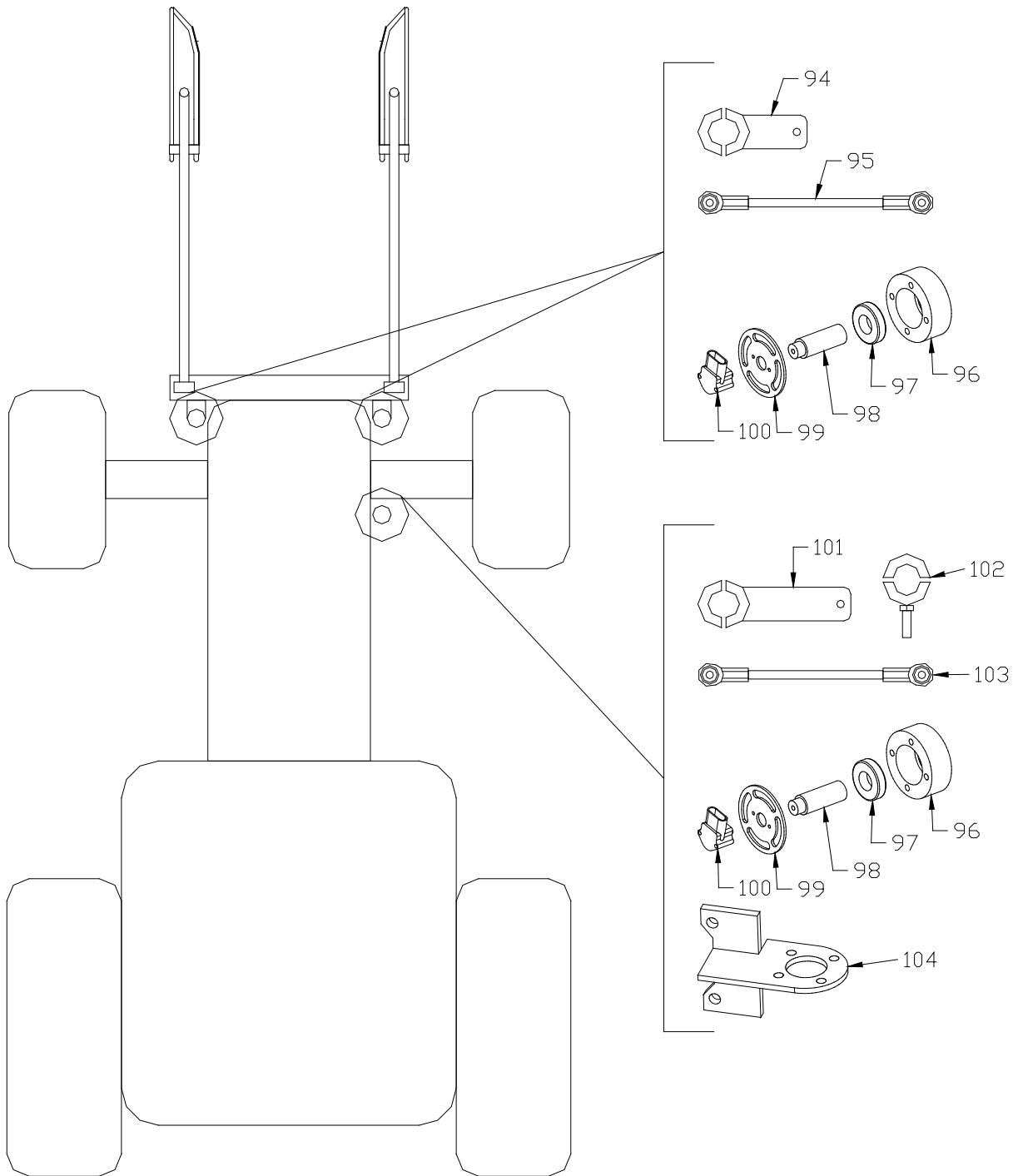
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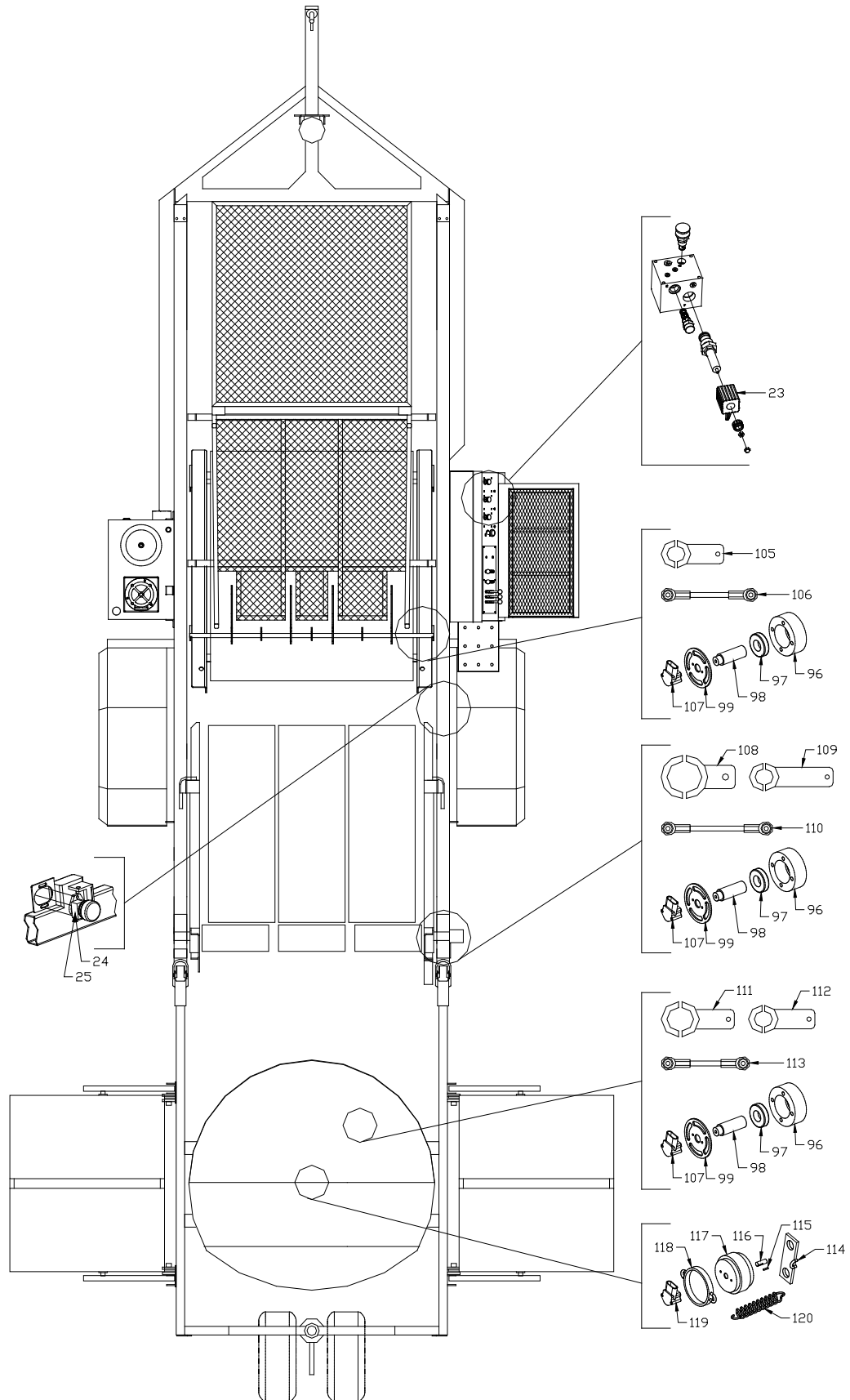








ELECTRICAL COMPONENTS



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