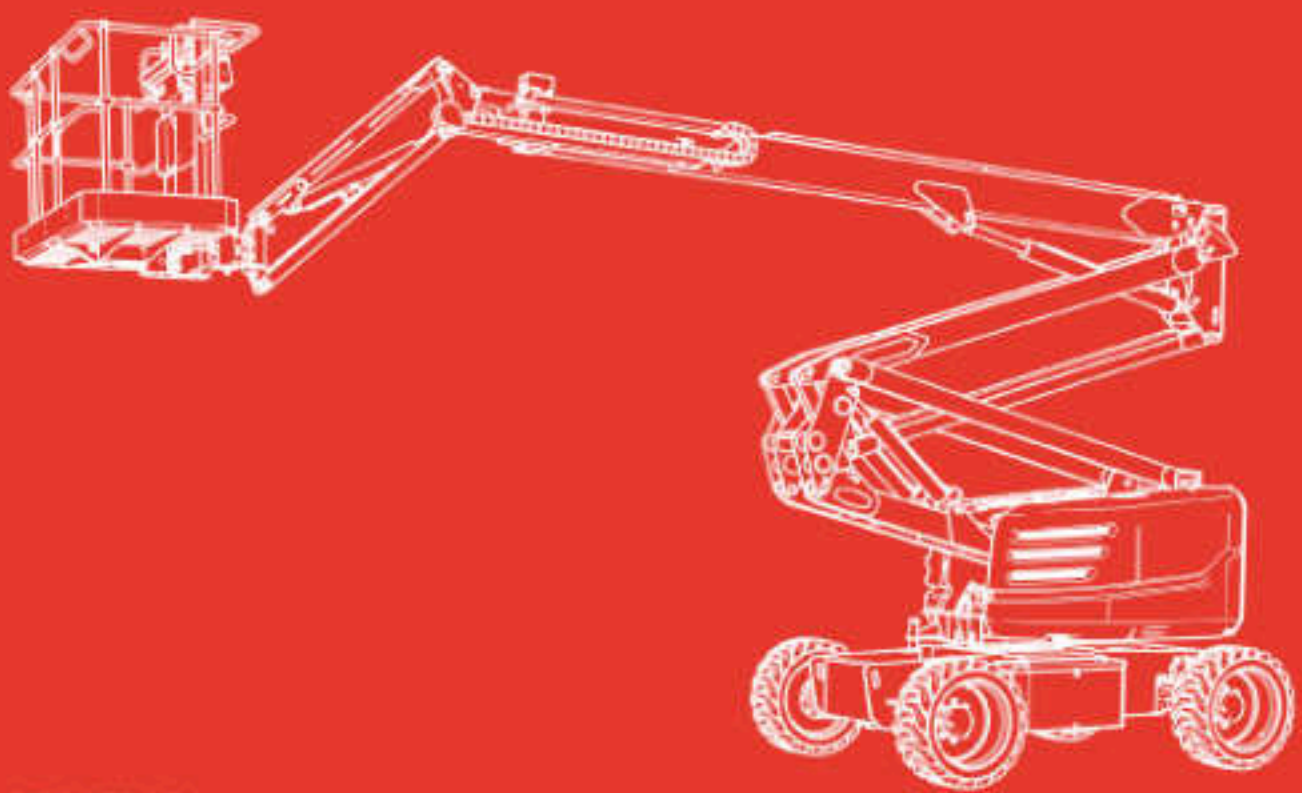
SKYJACK

SERVICE MANUAL

SJ60 AJE+

ARTICULATING BOOMS



256673ACA
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2.10 MEWP Specifications (continued)

Performance & Speeds	Gradeability - maximum	45%
	Drive Speed - stowed / low torque	4.83 km/h
	Drive Speed - stowed / high torque	1.9 km/h
	Drive Speed - elevated	0.6 km/h
	Turret Rotation Time - stowed	109 - 135 s
	Platform Rotation Time	5 - 9 s
	Boom Up Time	32 - 35 s
	Boom Down Time	40 - 43 s
	Boom Extend Time	28 - 34 s
	Boom Retract Time	20 - 26 s
	Riser Up	36 - 42 s
	Riser Down	26 - 32 s
	Jib Up Time	18 - 28 s
	Jib Down Time	10 - 16 s
	Steer Left Time	5 - 9 s
	Steer Right Time	5 - 9 s
Incline	Max incline for boom functrions	5°
Hydraulic	System pressure	210.3 bar
	Hydraulic tank capacity	140 L
Electrical	System Voltage	48 V DC
	Battery Type	deep cycle AGM
Weight	Unit weight - no options, foam filled tires	8880 kg

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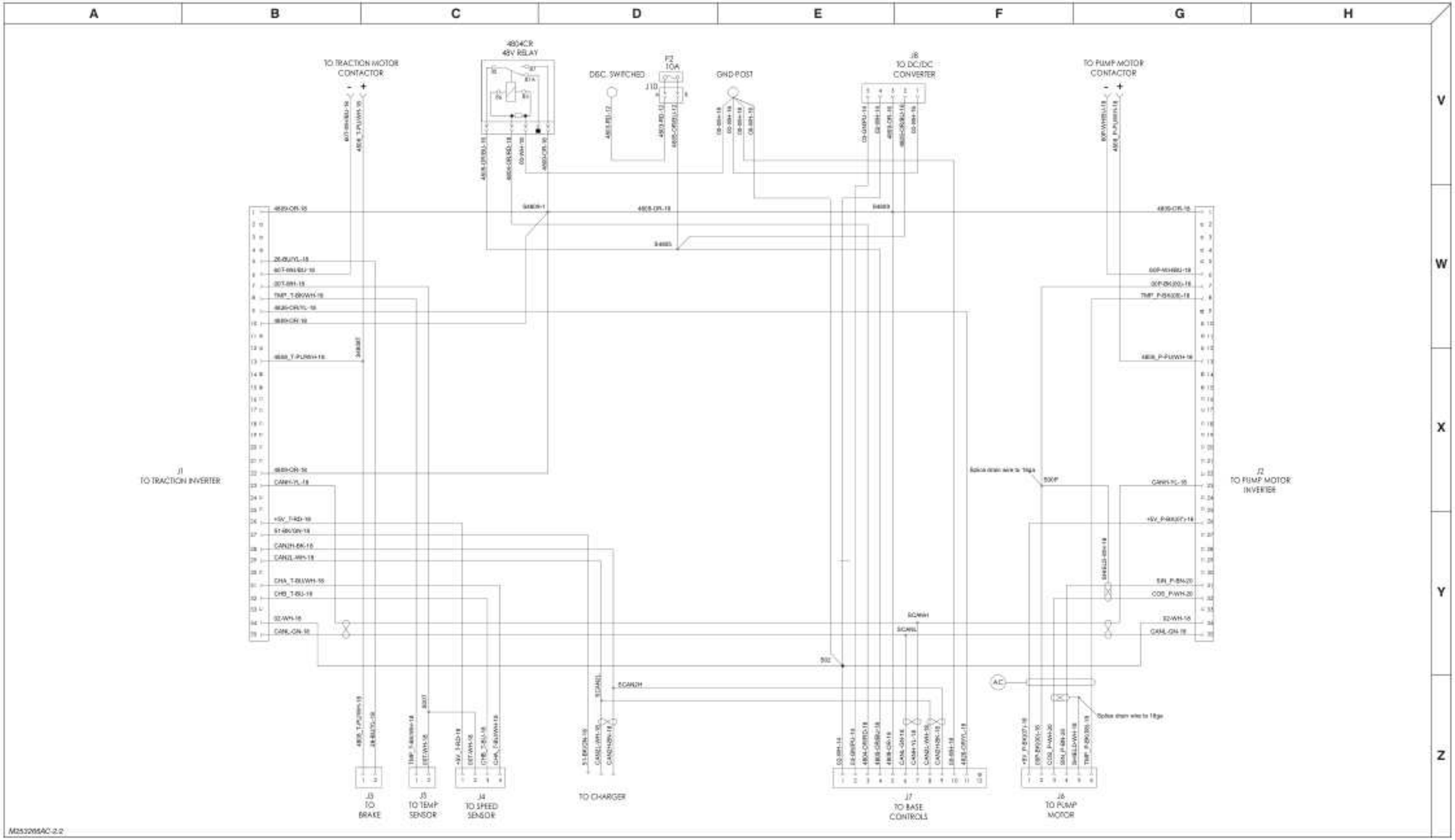
2.11 Platform Capacities

		Regular Platform Capacity		Derated Platform Capacity	
High-capacity zone	Capacity	454 kg	1000 lb	454 kg	1000 lb
	Maximum number of people	3	3	1	1
	Manual side force	400 N	90 lbf	200 N	45 lbf
Low-capacity zone	Capacity	300 kg	660 lb	272 kg	600 lb
	Maximum number of people	2	2	1	1
	Manual side force	400 N	90 lbf	200 N	45 lbf
Wind rating	-	12.5 m/s		12.5 m/s	
Tilt cutout setting	side-to-side x front-to-back	5° x 5°		5° x 5°	

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3.26 Inverter Panel Harness Schematic



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5.6-2 Decode the faults displayed

The screen displays one fault code at a time. If there are more faults than the active user interface can display simultaneously, the display periodically cycles through the fault codes.

It does not display faults for the following controllers:

- Dual traction (left and right controllers)
- Pump
- Steering

Faults are displayed in the following format:

- Fault source indicator
- A colon
- The fault code, which consists of a character, a comma, and another character.
- If the fault has a fault type, the fault type is displayed within brackets.

BMS, lift lock driver overcurrent, and SMB faults have different formats:

- BMS fault codes consist of three characters *(example:* BAT:013*)*.
- Lift lock driver overcurrent faults do not have fault codes. Instead, the screen displays only the fault source indicator *(example:* OC or OverCurrent*)*
- System control module faults consist of one character (*example:* BCS:2)

With the fault codes on the display referenced against the fault source indicator (refer to *5.6-3 Fault source indicators*) and the fault code list (refer to *5.6-4 System control module fault codes (BCS)* and *5.6-5 Traction controller fault codes (TRA)*), the service technician can solve the fault and correct the error. If the fault information suggests a serious problem that cannot be addressed by the codes tables, contact the Skyjack Service Department.Fault source indicators

5.6-3 Fault source indicators

Code	Fault Source
TRA	Traction controller
BAT	Battery Management System (BMS)
OC	Lift lock driver (overcurrent)
BCS	System Control Module (SMB)

5.6-4 System control module fault codes (BCS)

Code	Fault name
0	I/O Error
1	Telematics
2	Tilt calibration
3	Moba

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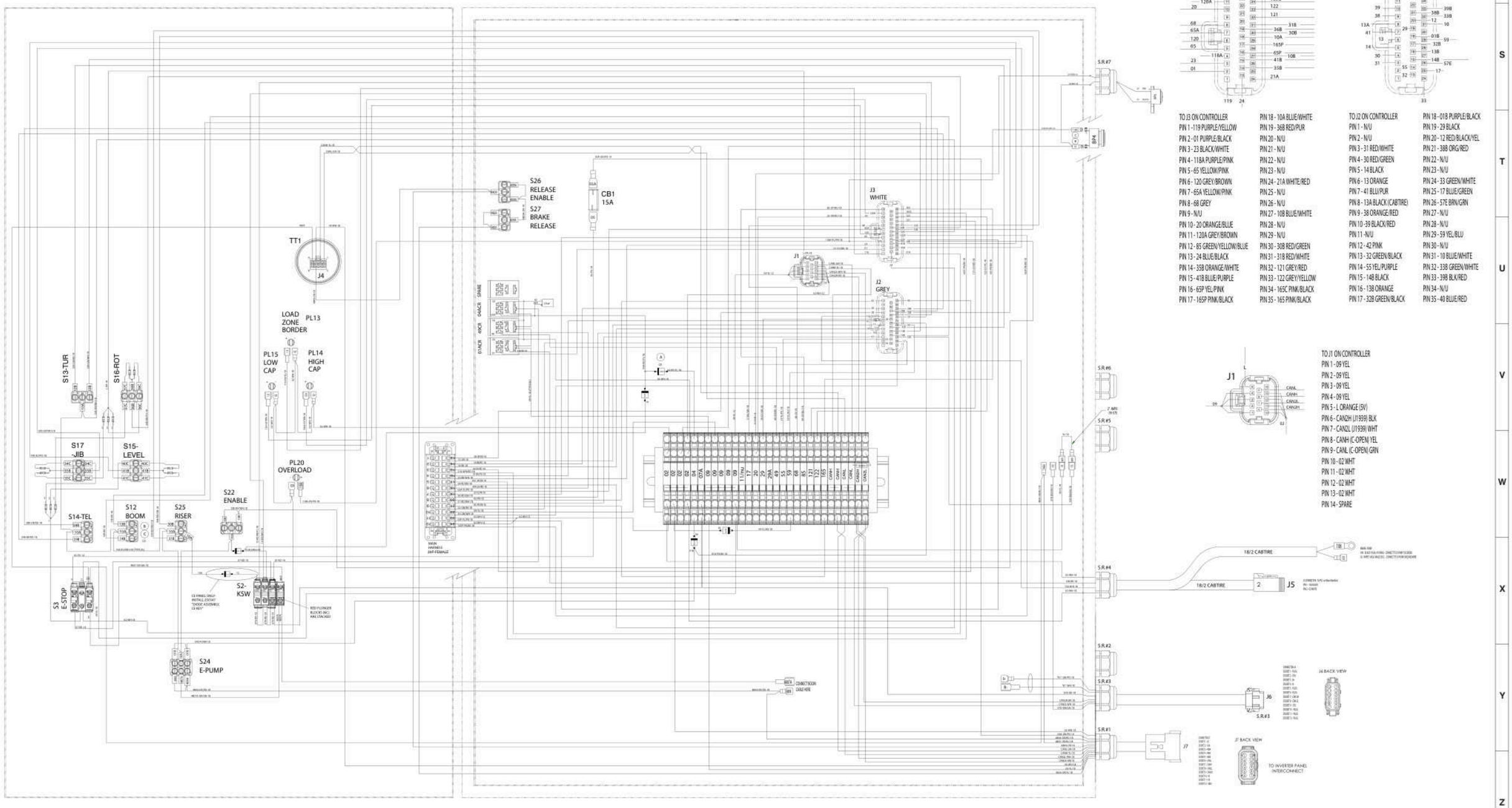
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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

Wire Number and Colour Chart

Relay diagrams



J3 WHITE

TO J3 ON CONTROLLER
PIN 1 - 119 PURPLE/YELLOW
PIN 2 - 01 PURPLE/BLACK
PIN 3 - 23 BLACK/WHITE
PIN 4 - 118A PURPLE/PINK
PIN 5 - 65 YELLOW/PINK
PIN 6 - 120 GREY/BROWN
PIN 7 - 65A YELLOW/PINK
PIN 8 - 68 GREY
PIN 9 - N/U
PIN 10 - 20 ORANGE/BLUE
PIN 11 - 120A GREY/BROWN
PIN 12 - 85 GREEN/YELLOW/BLUE
PIN 13 - 24 BLUE/BLACK
PIN 14 - 35B ORANGE/WHITE
PIN 15 - 41B BLUE/PURPLE
PIN 16 - 65P YEL/PINK
PIN 17 - 165P PINK/BLACK
PIN 18 - 10A BLUE/WHITE
PIN 19 - 36B RED/PUR
PIN 20 - N/U
PIN 21 - N/U
PIN 22 - N/U
PIN 23 - N/U
PIN 24 - 21A WHITE/RED
PIN 25 - N/U
PIN 26 - N/U
PIN 27 - 10B BLUE/WHITE
PIN 28 - N/U
PIN 29 - N/U
PIN 30 - 30B RED/GREEN
PIN 31 - 31B RED/WHITE
PIN 32 - 121 GREY/RED
PIN 33 - 122 GREY/YELLOW
PIN 34 - 165C PINK/BLACK
PIN 35 - 165 PINK/BLACK

J2 GREY

TO J2 ON CONTROLLER
PIN 1 - N/U
PIN 2 - N/U
PIN 3 - 31 RED/WHITE
PIN 4 - 30 RED/GREEN
PIN 5 - 14 BLACK
PIN 6 - 13 ORANGE
PIN 7 - 41 BLU/PUR
PIN 8 - 13A BLACK (CABTIRE)
PIN 9 - 38 ORANGE/RED
PIN 10 - 39 BLACK/RED
PIN 11 - N/U
PIN 12 - 42 PINK
PIN 13 - 32 GREEN/BLACK
PIN 14 - 55 YEL/PURPLE
PIN 15 - 14B BLACK
PIN 16 - 13B ORANGE
PIN 17 - 32B GREEN/BLACK
PIN 18 - 01B PURPLE/BLACK
PIN 19 - 29 BLACK
PIN 20 - 12 RED/BLACK/YEL
PIN 21 - 38B ORG/RED
PIN 22 - N/U
PIN 23 - N/U
PIN 24 - 33 GREEN/WHITE
PIN 25 - 17 BLUE/GREEN
PIN 26 - 57E BRN/GRN
PIN 27 - N/U
PIN 28 - N/U
PIN 29 - 59 YEL/BLU
PIN 30 - N/U
PIN 31 - 10 BLUE/WHITE
PIN 32 - 33B GREEN/WHITE
PIN 33 - 39B BLK/RED
PIN 34 - N/U
PIN 35 - 40 BLUE/RED

J1

TO J1 ON CONTROLLER
PIN 1 - 09 YEL
PIN 2 - 09 YEL
PIN 3 - 09 YEL
PIN 4 - 09 YEL
PIN 5 - L ORANGE (5V)
PIN 6 - CAN2H (J1939) BLK
PIN 7 - CAN2L (J1939) WHT
PIN 8 - CANH (C-OPEN) YEL
PIN 9 - CANL (C-OPEN) GRN
PIN 10 - 02 WHT
PIN 11 - 02 WHT
PIN 12 - 02 WHT
PIN 13 - 02 WHT
PIN 14 - SPARE

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