SKYJACK

SERVICE MANUAL

SJ60 AJ+

ARTICULATING BOOMS



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ANSI/CSA, CE, AS

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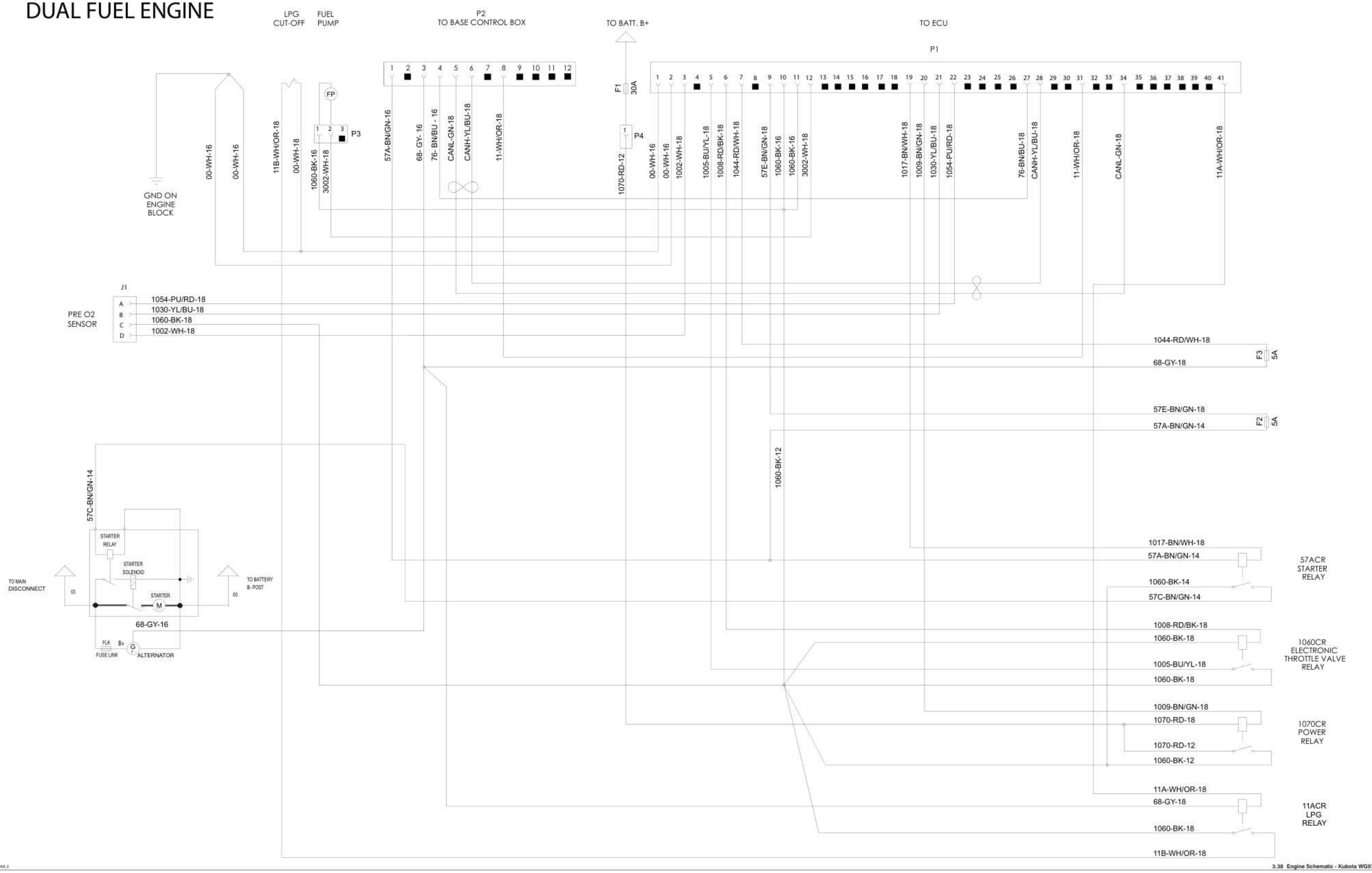
2.9 MEWP Specifications

Height & Reach	Working Height - maximum	20.11 m	66 ft 0 in
	Platform Height - maximum	18.29 m	60 ft 0 in
	Horizontal Reach - maximum	11.56 m	37 ft 11 in
	Horizontal Reach - at maximum height	6.2 m	20 ft 4 in
	Horizontal Reach - fly boom retracted	7.7 m	25 ft 3 in
	Tailswing	0.61 m	2 ft 0 in
	Up and Over Clearance - at platform	8.38 m	27 ft 6 in
	Up and Over Clearance - at main boom	8.31 m	27 ft 2 in
Platform	Platform Size	0.91 m x 2.44 m	36 in x 96 in
		0.91 m x 1.83 m	36 in x 72 in
	Platform Rotation	175°	
	Platform rotation radius	1.14 m	45 in
	Platform height - stowed	0.28 m	11 in
	Overall railing height	1.35 m	53 in
	Platform railing height	1.12 m	44 in
Jib	Jib Length	1.60 m	63 in
	Jib vertical Range of Motion	2.81 m	9 ft 2.5 in
	Jib Range of Motion - down	60°	
	Jib Range of Motion - up	65°	
Dimensional Data	Height - stowed min.	2.54 m	8 ft 4 in
	Stowed length @ min. height	8.6 m	28 ft 2 in
	Stowed length - min.	6.6 m	21 ft 8 in
	Width	2.44 m	8 ft
	Wheelbase	2.44 m	8 ft
	Ground Clearance - chassis	0.37 m	14.5 in
	Ground Clearance - front axle	0.33 m	13 in
	Axle Oscillation	0.06 m	2.5 in
	Turning Radius - inside	2.21 m	7 ft 3 in
	Turning Radius - outside	5.31 m	17 ft 5 in
	Turret Rotation	360°	

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DUAL FUEL ENGINE



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5.2-25 TTC-510 (CM1) machine controller error codes

Code	Fault	Cause	Machine Reaction	Troubleshooting
54	The total number of incoming messages is greater than the buffer size: MST protocol	CAN Send Overflow: MST Protocol	Machine will stop all the functions including emergency.	Try to restart, then replace the controller.
55	Buffer overflow error - hardware buffer overflow: ECU timeout error - checksum error - the network is incorrect.: DMX protocol	DMx protocol error		
56	Problem in the communication process between diagnostic tools and ECUs: UDS protocol	UDS 1 protocol error		
57	Problem in the communication process between diagnostic tools and ECUs	UDS 2 protocol error		
1000	Input board circuit error - supply check needed: ECU Safety	Input board circuit error - supply check needed: ECU Safety		
1001	Fatal input board circuit error: ECU Safety	Fatal input board circuit error: ECU Safety		
1002	Input pin error - check ECU Timer-Inputs and EMI: ECU Safety	Input pin error - check ECU Timer-Inputs and EMI: ECU Safety		
1003	Digital pin error - check ECU hardware and EMI: ECU Safety	Digital pin error - check ECU hardware and EMI: ECU Safety		
1004	PWM output error - check ECU hardware and EMI: ECU Safety	PWM output error - check ECU hardware and EMI: ECU Safety		
1005	CPU core error - check source code and EMI: ECU Safety	CPU core error - check source code and EMI: ECU Safety		
1006	Memory error: ECU Safety	Memory error: ECU Safety		
1007	The Main CPU or other components do not reactas expected	Error during watchdog startup - check watchdog timing constraints: ECU Safety		
1008	Two of the external shut-off pins have the same voltage level or the startup-test on with the internal safety switches failed	Safety switch error - check external shut-off pins and ECU hardware: ECU Safety		
1009	If application controlled pin initialization fails during the MATCH run phase	Application code called safe state: ECU Safety		

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5.2-6 NVR display module (base control box)



Maintaining proper calibration is essential for good performance of the MEWP.

The lower main controller is located on the base control box door. Open the platform control box to access the upper secondary controller.

The controller has an integrated multi segment, four line display with membrane keys that allow it to be used as the main interface to system controls and adjustments. The display serves as your window into the application software to allow you to monitor or adjust the following information:

- Active function in use
- Part number and serial number
- Restore the factory default settings
- Output calibrations (Thresh, Max, Ramp.etc)
- I/O status
- CANBus status

5.2-5 NVR display - User interface keys

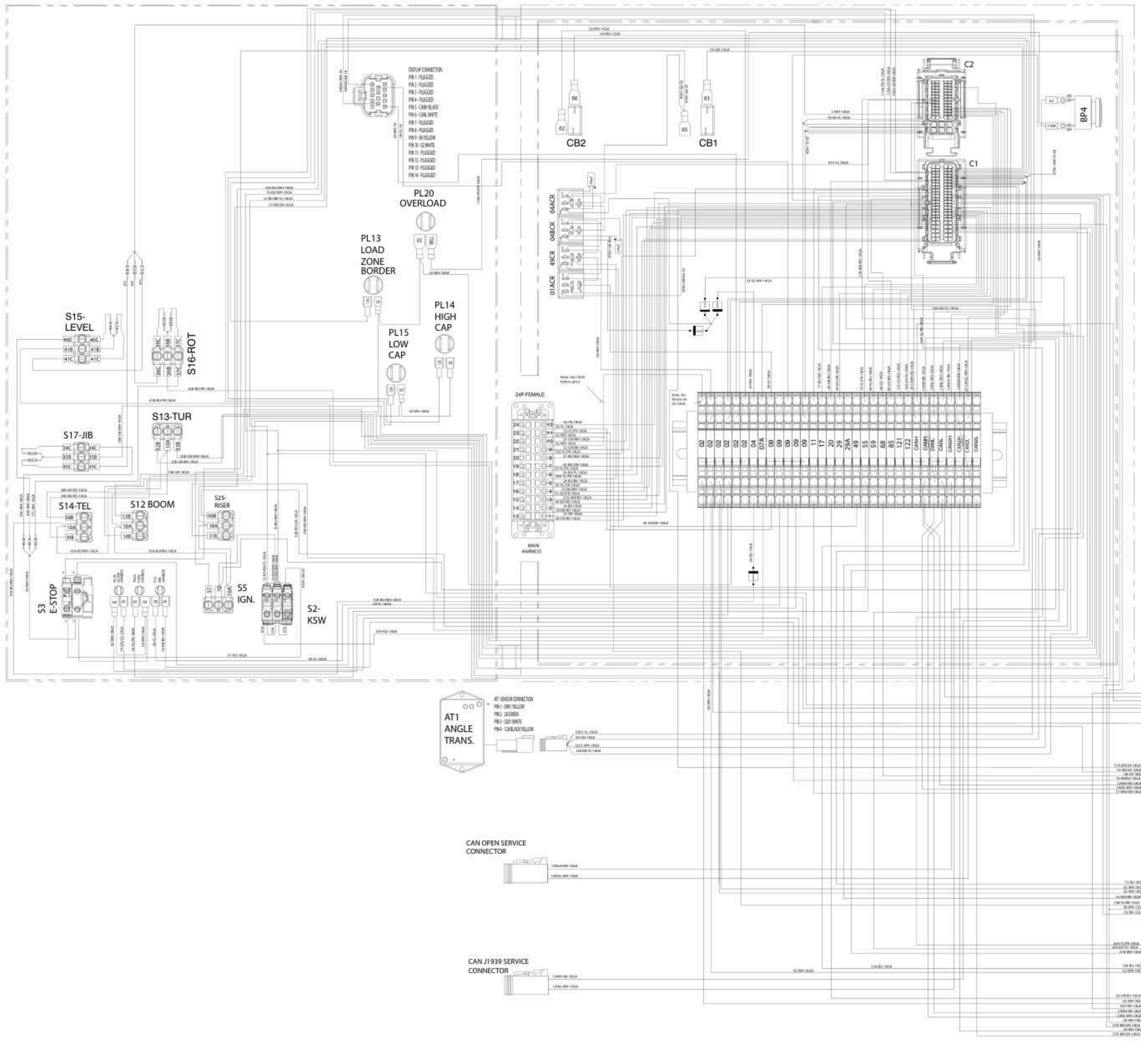
Button	Function
	**UP** and **DOWN** buttons Select or scroll through through menus.
	**LEFT** and **RIGHT** buttons Change settings and move through menus.
	**ESC** button Return to the previous screen.
	**ENTER** button Select or save.

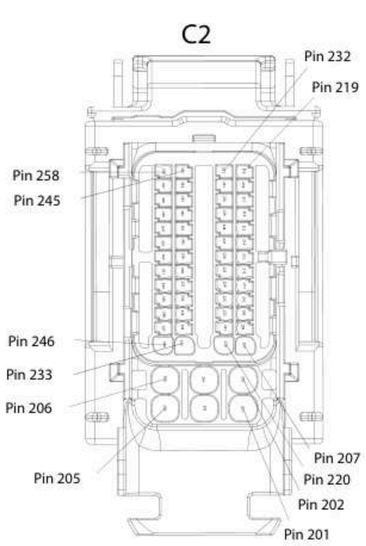
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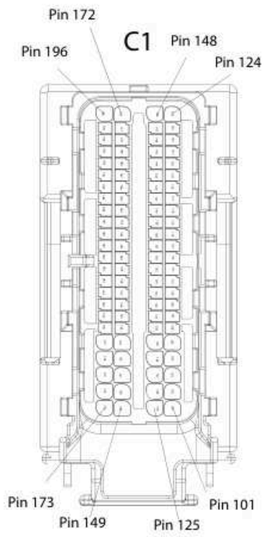
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

Wire Number and Colour Chart

Relay diagrams







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3.35 Base Control Box Wiring

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