SKYJACK

SERVICE MANUAL

SJ60 AJ+

ARTICULATING BOOMS



238275AGA
June 11 2026
ANSI/CSA, CE, AS

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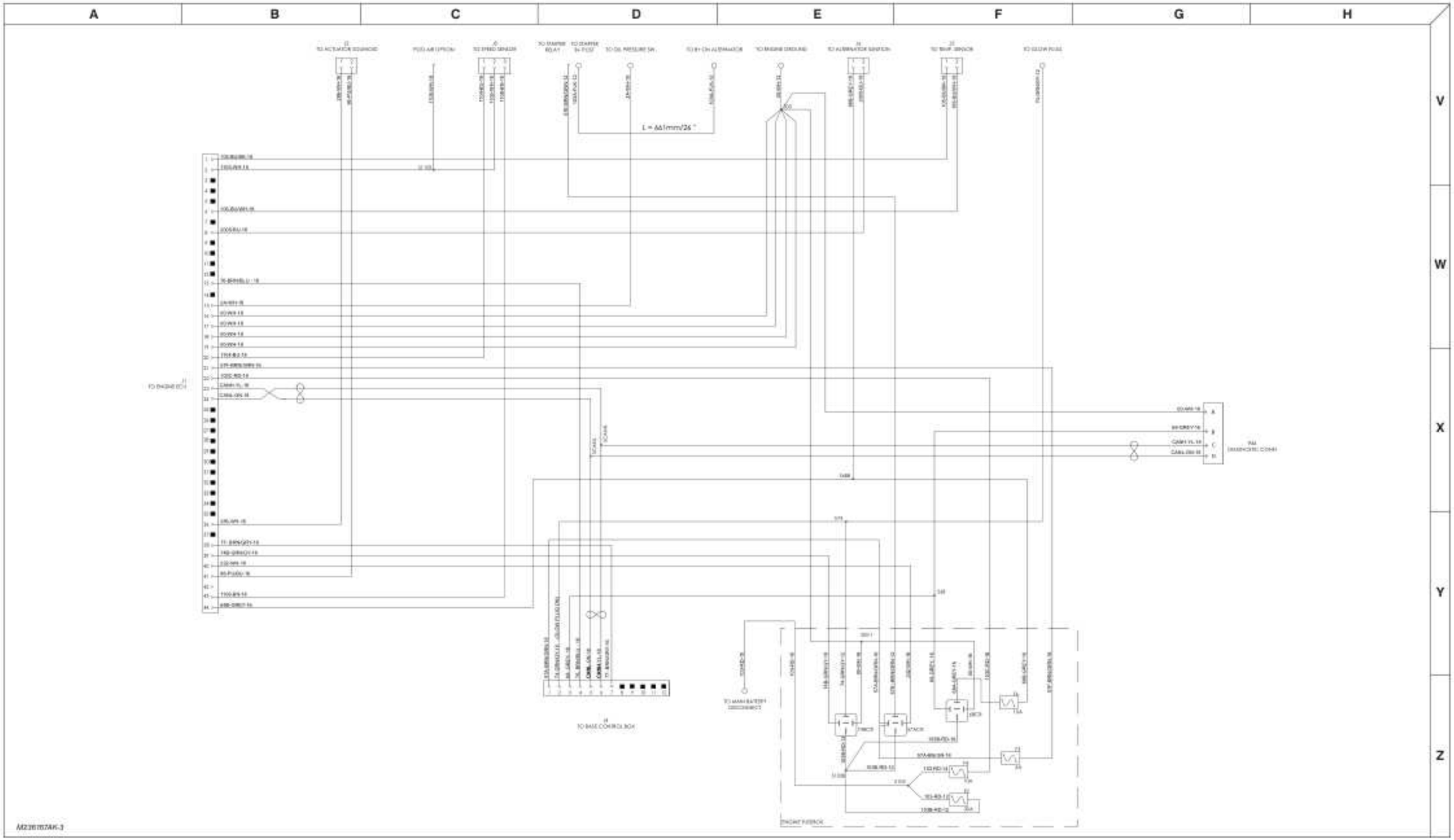
2.8 Hydraulic Specifications

Description		Metric	US
Pumps			
Drive Pump	Displacement - 2675 rpm	13.5 CC	2.48 CIR 28.7 gpm @ 2675 rpm
	Drive Pump Pressure	344.7 bar	5000 psi
	Charge Pump Displacement	13.8 CC	0.84 CIR
	Charge Pump Pressure	21.5 bar	313 psi
System Pump	Displacement - Static	32 CC	1.98 CIR 22.8 gpm @ 2675 rpm
	System Pump Pressure	207 bar	3000 psi
Filters			
High Pressure Filter	Max. Operating Pressure	10 µm/25	87 psi
Return Filter	Max. Operating Pressure	10 µm/60	25 psi
Motors			
Drive Motor	Displacement - Low	29 CC	1.77 CIR
	Displacement - High	65 CC	3.97 CIR
Swing Motor	Motor Displacement	65.54 CC	4 CIR
	Maximum Swing Pressure	97 bar	1400 psi
Cylinders			
Extension Cylinder	Bore	6.3 cm	2.48 in
	Rod Diameter	4.0 cm	1.57 in
	Stroke	3.87 m	152.31 in
	Maximum Boom Pressure	206 bar	2987 psi
Main Lift Cylinder	Bore	11.0 cm	4.33 in
	Rod Diameter	7.0 cm	2.76 in
	Stroke	1.23 m	48.44 in
	Maximum Lift Pressure	206 bar	2987 psi
Riser Cylinder	Bore	9.0 cm	3.54 in
	Rod Diameter	5.0 cm	1.97 in
	Stroke	69.85 cm	27.5 in
	Maximum Lift Pressure	206 bar	2987 psi
Steering Cylinder	Steering Cylinder Stroke	10.9 cm	4.32 in
	Maximum Steer Pressure	150 bar	2175 psi

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3.17 Engine Harness Wiring Diagram - Kubota D1305



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5.3-3 Load cell 10% error troubleshooting

The load cell on the platform has two CANbus channels that each send a separate weight signal to the upper SCM. When the variance between the two signals is greater than 10%, **LOAD CELL 10% ERR** appears on the SCM display screen in the base control console.

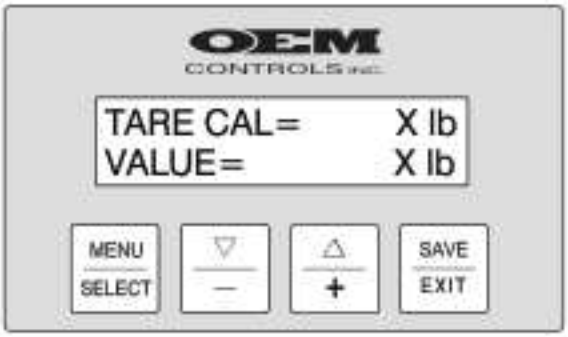
Some common reasons for this error include:

- there was a load in the platform, or an operator was standing in the platform during calibration
- an option or Accessoryzer was removed sometime after the load cell was calibrated with the option or Accessoryzer in the platform
- a damaged load cell
- incorrect mounting
- incorrect calibration.

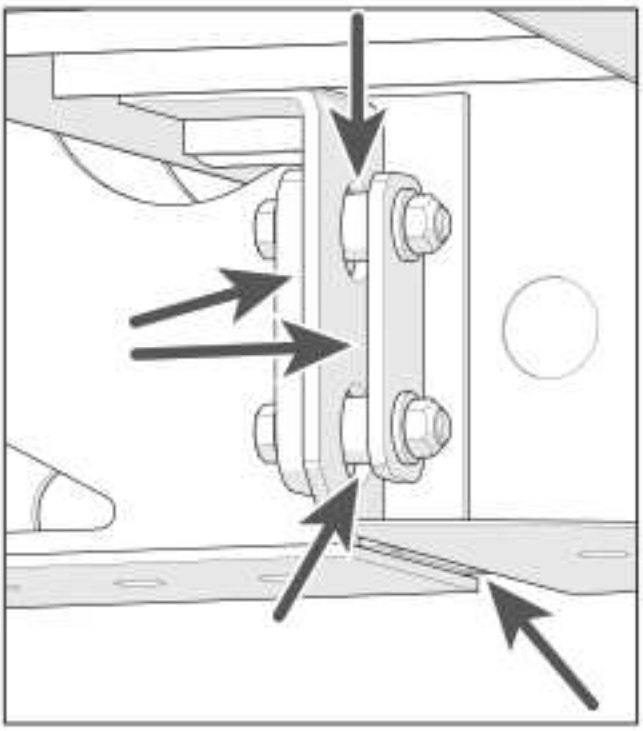
If a platform option or Accessoryzer was removed after the load cell was calibrated with the option in the platform, either return the option or Accessoryzer to the platform, in which case the error should disappear, or recalibrate the load without the option. Refer to *5.2-11 Load Cell Calibration* to recalibrate the load.

If the **LOAD CELL 10% ERR** persists, follow the next steps to resolve it.

1. Empty the platform of materials, tools, and people.
2. Make sure the platform is not resting on the ground and is not in a tucked under position. If it is, use the e-pump to raise or level the platform as needed.
3. Inspect the platform for damage. If there is visible damage to the platform, that may indicate the load cell was damaged as well.
4. Open the base control console.
5. Press the "**-**" button on the SCM module until the display shows **WEIGHT CALIB?**. Do NOT unlock the SCM when you navigate to the **WEIGHT CALIB?** screen.
6. Press the MENU/SELECT button and **OPTION(S) ADD or SET** appears.
7. Press the "**+**" button and **SET** flashes.
8. Press MENU/SELECT.
9. The screens below appears. TARE CAL is the weight of an empty platform after calibration. VALUE is the weight that the SCM currently reads. These numbers should be the same, ±50 lb.



10. Inspect the platform-to-rotary-actuator bracket mounting areas. Look for and remove any dirt, debris, rocks, snow, ice, etc. from around or between the spacers, brackets, and safety washers. Refer to the image below.

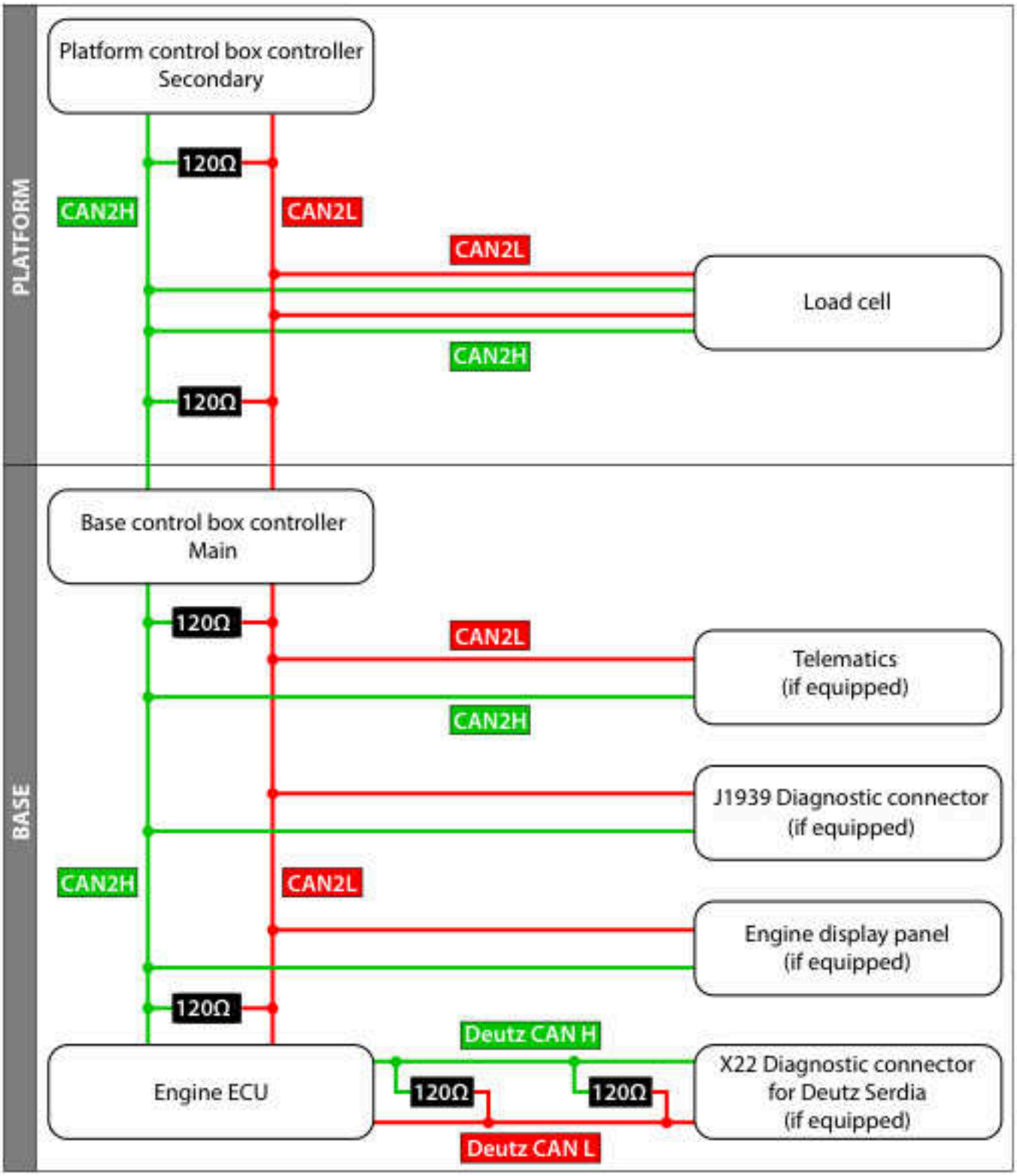


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5.2-17 CANbus connections diagram

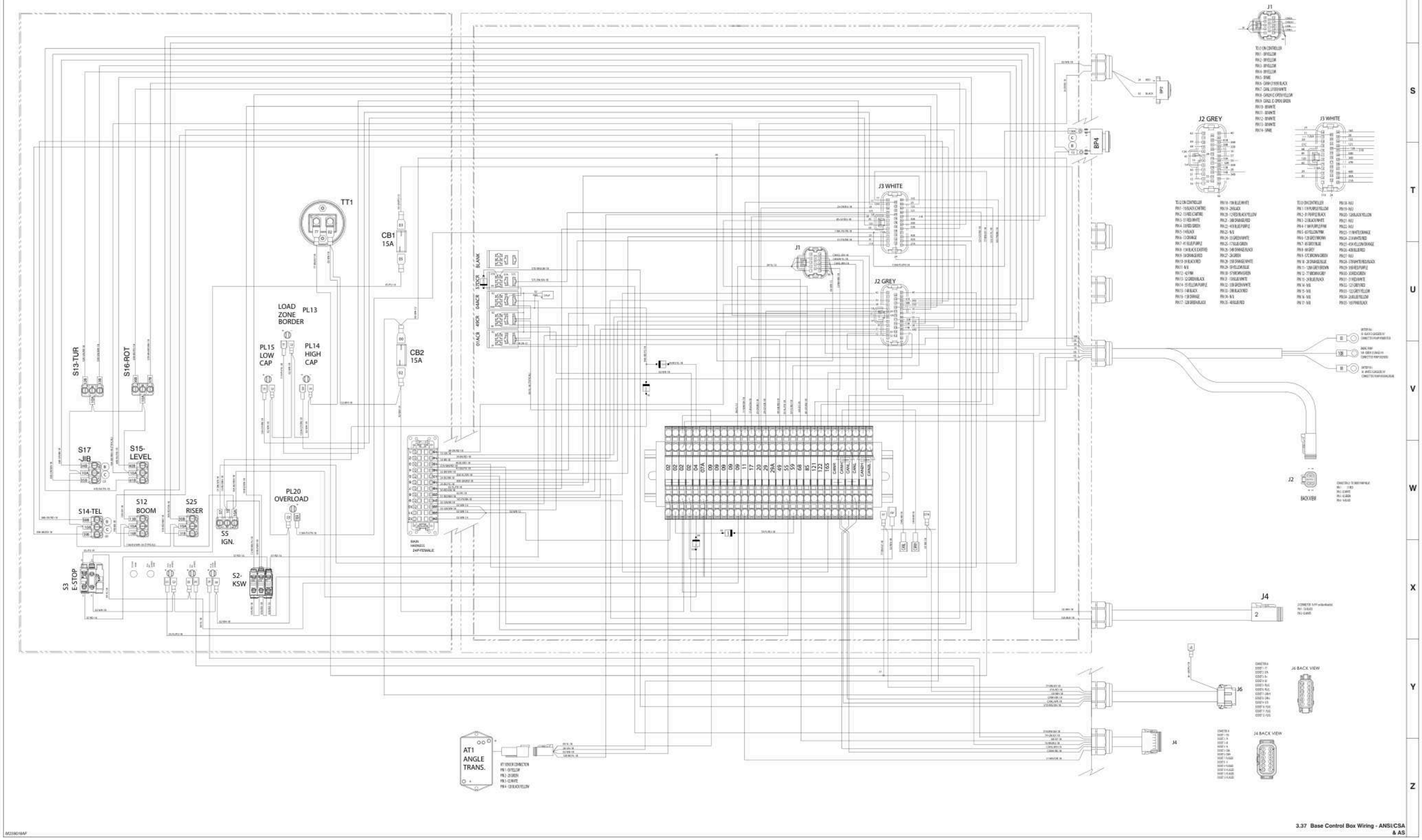


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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

Wire Number and Colour Chart

Relay diagrams



3.37 Base Control Box Wiring - ANSI/CSA & AS

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