

SERVICE MANUAL (ANSI/CSA)

ROUGH TERRAIN SCISSORS

MODELS SJ9250 RT

157955AF April 8, 2024

SKYJACK

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Section 1
SCHEDULED MAINTENANCE

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Table 2.2b Maximum Platform Capacities (Evenly Distributed w/ Optional #7 Tires)

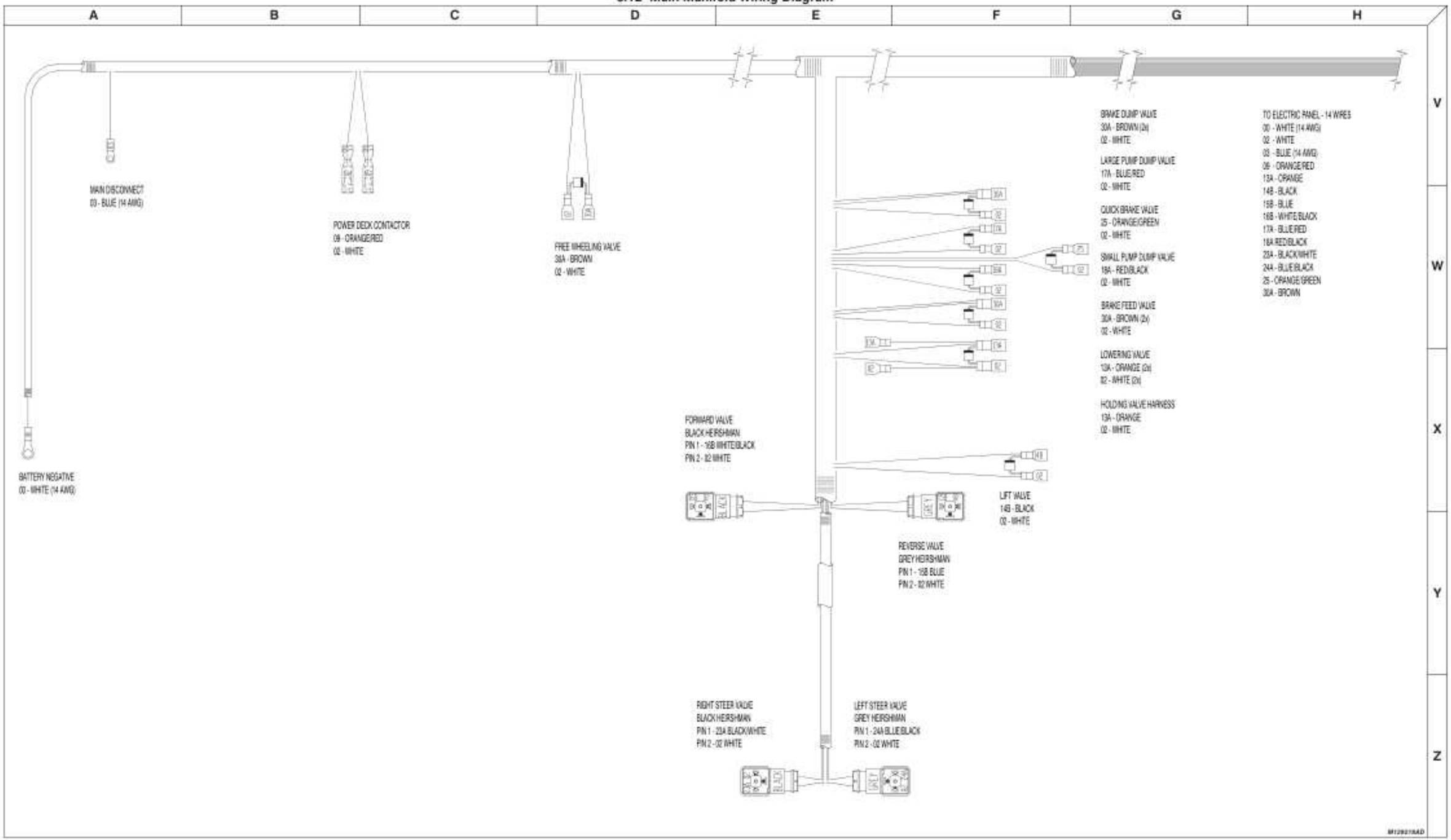
MODEL		Total		First Extension		Second Extension	
		Capacity	Number of Occupants	Capacity	Number of Occupants	Capacity	Number of Occupants
7127	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available	
7135	One Extension Platform	900 lb. 408 kg	3	300 lb. 136 kg	1	Not Available	
8631	No Extension Platform	2000 lb. 908 kg	6	Not Available			
	One Extension Platform	1700 lb. 771 kg	6	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1400 lb. 635 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2
8841	No Extension Platform	1250 lb. 567 kg	5	Not Available			
	One Extension Platform	1250 lb. 567 kg	5	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1250 lb. 567 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2
9250	No Extension Platform	1500 lb. 681 kg	5	Not Available			
	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1500 lb. 681 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2

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NOTE:
Occupants and materials are not to exceed rated load.
Refer to capacity label at sides of platform for additional information and for models equipped with options.

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3.12 Main Manifold Wiring Diagram



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Electrical System (Continued)

4.1-41 All Outriggers Inoperative (Auto Level)
B: Led Power Indicator Light at Outrigger Control Module (OCM1) Flashing

Flash Code	Probable Cause	Remedy
1/1	1. Outriggers are all up and machine is tilted.	1. Level the machine.
1/2	1. Machine is elevated. 2. Loose or broken wire # 35.	1. Lower the scissor stack below high speed limit switch. 2. Check for input voltage on wire #35 at pin P2-10 of the outrigger control module (OMC1). Replace if defective.
2/2	1. At least one outrigger is not fully retracted. 2. Defective outrigger rod limit switch (LS61, LS62, LS63, LS64) or wiring. 3. Defective diode (D36) on outrigger board.	1. Fully retract all outriggers. 2. Replace defective or damaged switch(es) or wiring. 3. Check for continuity. Replace if defective.
2/1	1. Outriggers are all down and the machine is not fully level.	1. Move machine to less sloped terrain if it will not lift.
5/5	1. Power on wire #70 or #79 at power on. 2. Power on wire #70 or #79 when manually operating outriggers.	1. Check for power on wire #70 or #79 at pin P2-5 or P2-6 of the outrigger control module. Replace defective component. 2. Check for power on wire #70 or #79 while manually operating an outrigger.
5/2	1. Low or no voltage on wire #35c. 2. Loose or broken wire on #35c.	1. Check battery and charging system to ensure minimum 9 volts. 2. Check for input voltage on wire #35c at pin P4-9 of outrigger control module (OCM1).
7/1	1. Excessive vibration. 2. Defective outrigger control module.	1. Outrigger control module cannot read tilt sensor. 2. Replace.
6/6	1. Outriggers are being manually controlled.	1. Indicates function activated. No repair necessary.
7/8	1. Error occured while self diagnosing the hardware fail safe.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
5/1	1. Low input voltage to outrigger control module.	1. Check for minimum 9 volts between wire #02 at pin P2-11 and wire #10A at pin P2-12 at outrigger control module.
7/7	1. Startup error occurred while self diagnosing.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
7/5	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
7/2	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
8/1	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
8/2	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
8/3	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
8/4	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
8/5	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.
7/6	1. Internal failure of OCM1.	1. Turn off power to reset the outrigger control module. Turn power back on and see if the code has cleared. If problem persists, replace outrigger control module.

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Table 2.6 Torque Specifications

AB

CARTRIDGE						
Torque	Size					
	8	38	58	10	12	16
Lb-ft (max)	20			25	35	50
Lb-in (max)	240			300	420	600
Nm (max)	27.12			33.9	47.46	67.8

COILS	
Torque	Size
	All coils
Lb-ftt (max)	4 to 5
Lb-in (max)	48 to 60
Nm (max)	5.42 to 6.78

SAE PLUGS								
Torque	Size							
	2	4	5	6	8	10	12	16
Lb-ft (max)	3	10	15		25		30	35
Lb-in (max)	36	120	180		300		360	420
Nm (max)	4.07	13.56	20.34		33.9		40.68	47.46

BOLTS		
Type of Bolt	Torque (ft-lb)	Torque (Nm)
Directional valve mounting bolts	2.33 (28-32 in-lb)	3.16 - 3.61
Wheel mounting bolts	140	189.8
Center drive sprocket mounting bolts	110 - 115 (242 Loctite)	149 -156
Hydraulic drive motor mounting bolts	120 (242 Loctite)	162
Positive battery post cable/fuse nut	7.5 (90 in-lb)	10.2

Newton-meter = Nm	Foot-Pound Force = ft-lb	Inch-Pound Force = in-lb

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Section 4
TROUBLESHOOTING INFORMATION

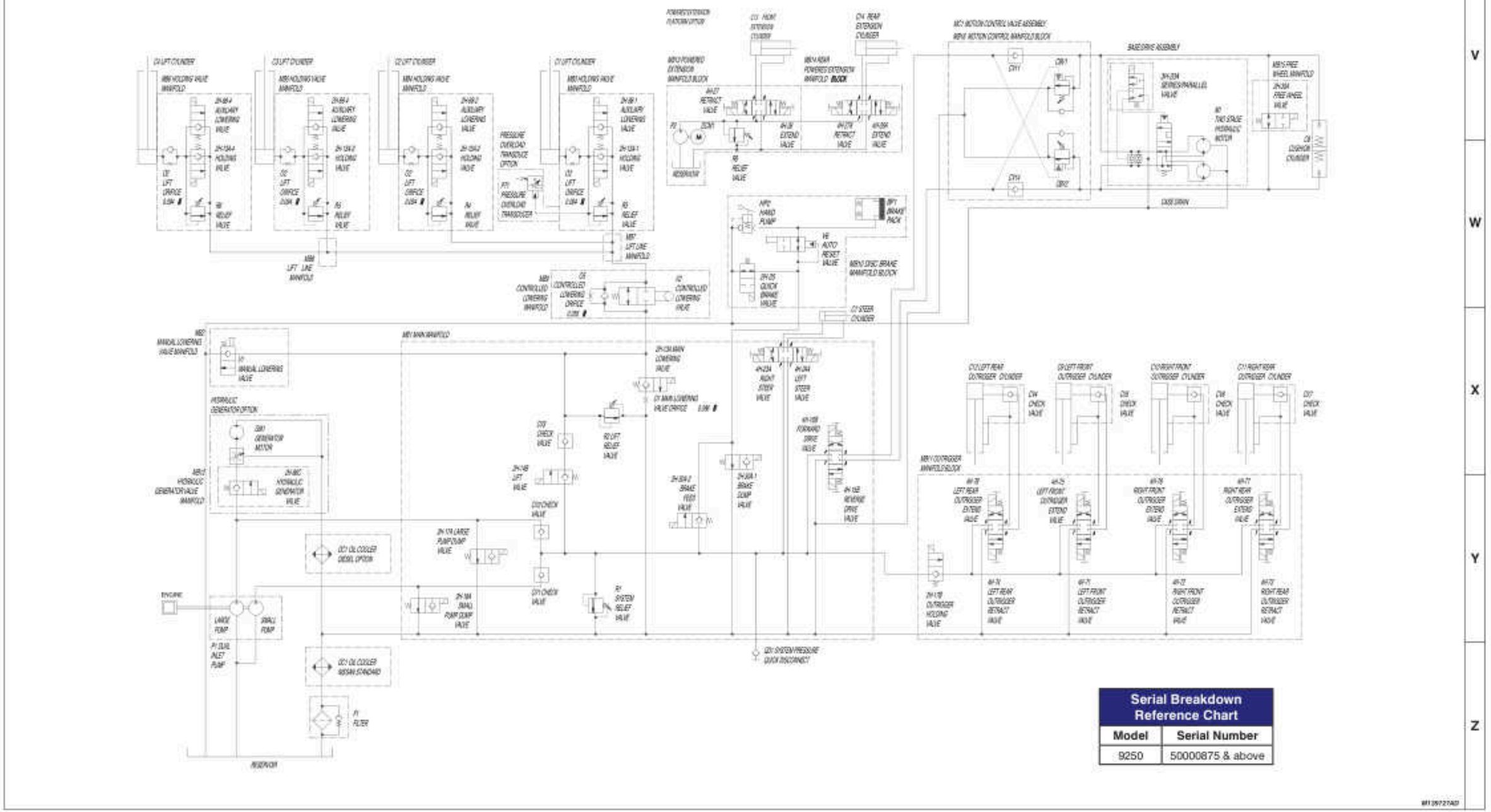
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Serial Breakdown Reference Chart	
Model	**Serial Number**
9250	50000875 & above

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