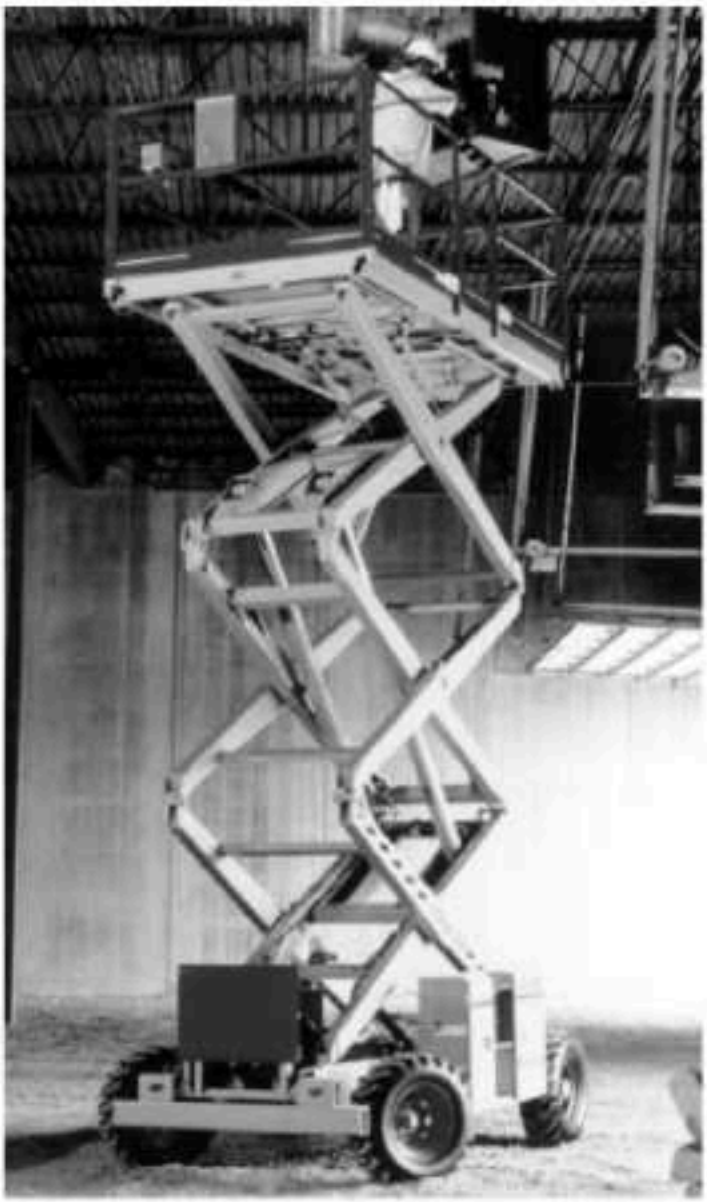
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MAINTENANCE & PARTS MANUAL



SJ-800 Series

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Control Box Reference Table

Serial Range				Model	Engine	Options	Diagram Location	
8831		8841						
From	To	From	To				Figure	Page
36952	37054	42029	42202	ANSI/SIA & CSA W/Ford Dual Fuel And CE (w/o Load Sensing System) W/Kubota Diesel		No Options	FIGURE 3.3-3A.	16
						All Options	FIGURE 3.3-4A.	18
37055	Above	42203	Above			No Options	FIGURE 3.3-3B.	17
						All Options	FIGURE 3.3-4B.	19

Panel Diagram Reference Table

Serial Range				Model	Engine	Options	Diagram Location
8831		8841					
From	To	From	To				
Current Production				ANSI/SIA & CSA	Ford Dual Fuel	No Options	FIGURE 3.4-1.
						All Options	FIGURE 3.4-3.
Below	37373	Below	42929	CE	Kubota Diesel	No Options	FIGURE 3.4-2.
						All Options	FIGURE 3.4-4

Electrical Schematic Reference Table

Serial Range				Model	Engine	Options	Schematic Location
8831		8841					
From	To	From	To				
36952	37054	42029	42202	ANSI/SIA & CSA	Ford Dual Fuel	No Options	FIGURE 3.5-1.
						All Options	FIGURE 3.5-3.
				CE	Kubota Diesel	No Options	FIGURE 3.5-2.
						All Options	FIGURE 3.5-4.
37055	37453	42203	43116	ANSI/SIA & CSA	Ford Dual Fuel	No Options	FIGURE 3.5-5.
						All Options	FIGURE 3.5-7.
37055	37373	42203	42929	CE	Kubota Diesel	No Options	FIGURE 3.5-6.
						All Options	FIGURE 3.5-8.
37454	Above	43117	Above	ANSI/SIA & CSA	Ford Dual Fuel	No Options	FIGURE 3.5-9.
						All Options	FIGURE 3.5-10.

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Table 2-2B. Maximum Platform Capacities (Evenly Distributed) - CE

MODEL		Total		First Extension		Second Extension	
		Capacity	Number Of Occupants	Capacity	Number Of Occupants	Capacity	Number Of Occupants
7127	One Extension Platform	454 kg	5	227 kg	2	Not Available	
7135	One extension Platform	454 kg	4	159 kg	1	Not Available	
8831	No extension Platform	1134 kg	6	Not Available			
	One Extension Platform	907 kg	6	227 kg	2	Not Available	
	Two Extension Platforms	771 kg	6	227 kg	2	227 kg	2
8841	No extension Platform	771 kg	5	Not Available			
	One Extension Platform	454 kg	5	227 kg	2	Not Available	
	Two Extension Platforms	454 kg	5	227 kg	2	227 kg	2
9250	No extension Platform	907 kg	5	Not Available			
	One Extension Platform	454 kg	5	227 kg	2	Not Available	
	Two Extension Platforms	454 kg	5	227 kg	2	227 kg	2

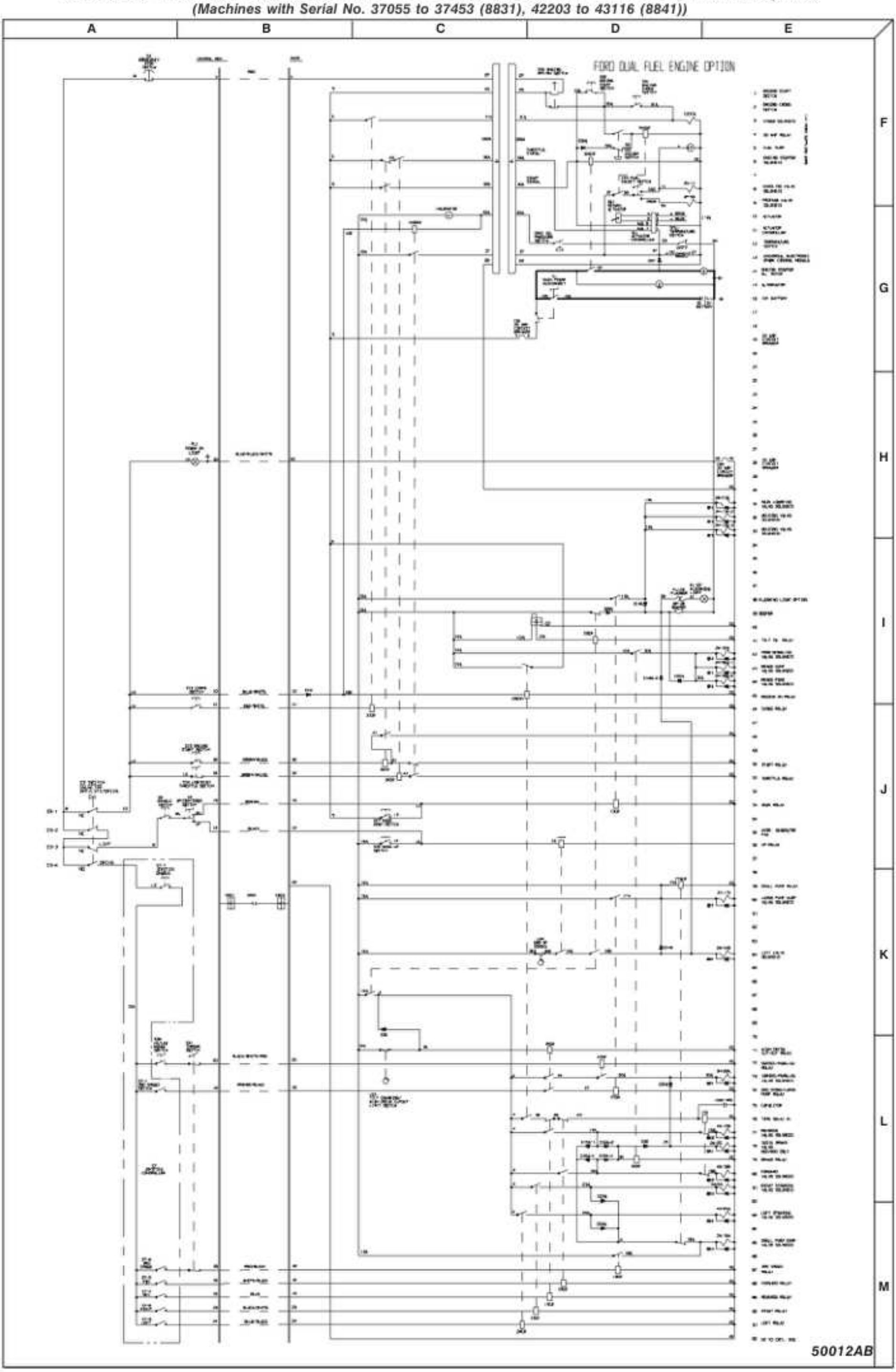
60376AA-CE

NOTE:

Occupants AND materials are not to exceed rated load.
Capacities listed are for standard machines equipped with #6 tires except for model 9250A which is equipped with foam filled tires.
Refer to capacity label at sides of platform for additional information and for models equipped with options.

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FIGURE 3.5-5. ELECTRICAL SCHEMATIC - ANSI/SIA and CSA (Shown With Ford Dual Fuel Engine and No Options)
(Machines with Serial No. 37055 to 37453 (8831), 42203 to 43116 (8841))



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FIGURE 3.5-5.

NOTE: To determine the correct electrical schematic or panel diagram that resembles your machine, refer to the "Table Of Contents" found at the beginning of this section.

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Probable Cause	Remedy
4.1-8. CHOKE INOPERATIVE FROM PLATFORM OR ENGINE CONTROLS	
1. Loose or broken wire #31A from Choke Switch (S31) to Choke Solenoid (CS31A).	1. Check continuity. Replace if defective.
2. Defective Choke Solenoid (CS31A).	2. Check solenoid. Replace if defective.
4.1-9. CHOKE INOPERATIVE FROM PLATFORM	
1. Loose or broken wire #10 from Key Select Switch (S3) to Choke Switch (S13).	1. Check continuity. Replace if defective.
2. Defective Choke Switch (S13).	2. Check switch. Replace if defective.
3. Loose or broken wire #31 to Relay (31CR).	3. Check continuity. Replace if defective.
4. Defective Relay (31CR).	4. Check relay. Replace if defective.
5. Loose or broken wire #02 from Relay (31CR) to Base Terminal Block (TB-1).	5. Check continuity. Replace if defective.
6. Loose or broken wire #05 from Relay (31CR) to Base Terminal Block (TB-1).	6. Check continuity. Replace if defective.
7. Loose or broken wire #31A from Relay (31CR) to Choke Switch (S31).	7. Check continuity. Replace if defective.
4.1-10. CHOKE INOPERATIVE FROM ENGINE CONTROLS	
1. Loose or broken wire #05A from Engine Off/On Switch (S30) to Choke Switch (S31).	1. Check continuity. Replace if defective.
2. Defective Choke Switch (S31).	2. Check switch. Replace if defective.
4.1-11. HIGH THROTTLE INOPERATIVE	
1. Loose or broken wire #10 from Key Select Switch (S3) to Low/High Throttle Switch (S14).	1. Check continuity. Replace if defective.
2. Defective Low/High Throttle Switch (S14).	2. Check switch. Replace if defective.
3. Loose or broken wire #34 from Low/High Throttle Switch (S14) to Relay (34CR).	3. Check continuity. Replace if defective.
4. Defective Relay (34CR).	4. Check Relay. Replace if defective.
5. Loose or broken wire #42 from Relay (34CR) to Relay (10BCR2).	5. Check continuity. Replace if defective.
6. Defective Relay (10BCR2).	6. Check relay. Replace if defective.
7. Loose or broken wire #02 from Relay (10BCR2) to Base Terminal Block (TB-1).	7. Check continuity. Replace if defective.
8. Loose or broken wire #05 from Base Terminal Block (TB-1) to Relay (32CR).	8. Check continuity. Replace if defective.
9. Defective Relay (32CR).	9. Check relay. Replace if defective.
10. Loose or broken wire #43 from Relay (32CR) to Relay (34CR).	10. Check continuity. Replace if defective.
11. Loose or broken wire #34A from Relay (34CR) to High Throttle Solenoid (HTS-34A).	11. Check continuity. Replace if defective.
12. Defective High Throttle Solenoid (HTS-34A) (Kubota engines).	12. Check solenoid. Replace if defective.
13. Defective Precision Governor. (Ford engine).	13. Refer to Section 5 for Precision Governor Troubleshooting.

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1.15 Safety Precautions

Know And Understand The Safety Precautions Before Going On To Next Section.

⚠ Warning

Failure to heed the following safety precautions could result in tip over, falling, crushing, or other hazards leading to death or serious injury

- **KNOW** all Federal, State, Provincial and local rules which apply to your MACHINE and JOBSITE.
- **TURN** the emergency main power disconnect switch OFF when leaving the machine unattended. Remove the key to prevent unauthorized use of the aerial platform.
- **WEAR** all the protective clothing and personal safety devices issued to you or called for by job conditions.
- **DO NOT** wear loose clothing, dangling neckties, scarves, rings, wristwatches or other jewelry while operating this lift.



- **AVOID** entanglement with ropes, cords or hoses.



- **AVOID** falling. Stay within the boundaries of the guardrails.



- **DO NOT** raise the aerial platform in windy or gusty conditions.



- **DO NOT** increase the lateral surface area of the platform. Increasing the area exposed to the wind will decrease machine stability.



- **DO NOT** drive or elevate the aerial platform if it is not on a firm level surface. Do not drive elevated near depressions or holes of any type, loading docks, debris, drop-offs and surfaces that may affect the stability of the aerial platform.



- **If Operation In Areas With Holes Or Drop-offs Is Absolutely Necessary,** elevated driving shall not be allowed. Position the aerial platform horizontally only with the platform fully lowered. After ensuring that all 4 wheels or outriggers have contact with level firm surface, the aerial platform can be elevated. After elevation, the drive function must not be activated.



- **Elevated driving** must only be done on a firm level surface.



- **DO NOT** Ascend or descend a grade steeper than 25% (Model 9250), 30% (Models 8831 & 8841) or 35% (Models 71xx, 8243 & 8850). When fully lowered, ascending or descending, only grades up to the above maximums are permissible.



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FIGURE 3.5-10. ELECTRICAL SCHEMATIC - ANSI/SIA and CSA (Shown With Ford Dual Fuel Engine and All Options)
(Machines with Serial No. 37454 (8831), 43117 (8841), and Above)

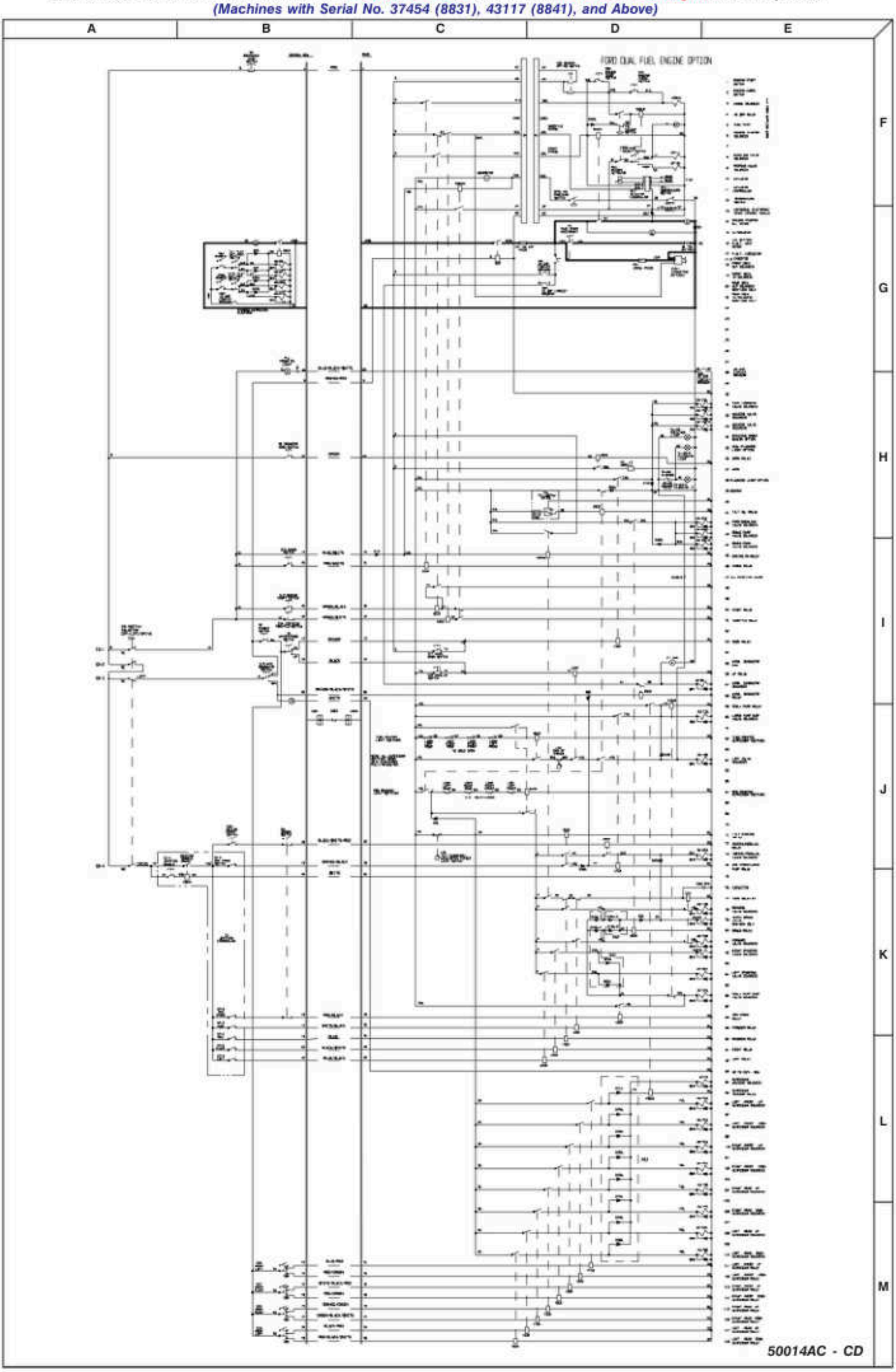


FIGURE 3.5-10.

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NOTE: To determine the correct electrical schematic or panel diagram that resembles your machine, refer to the "Table Of Contents" found at the beginning of this section.

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