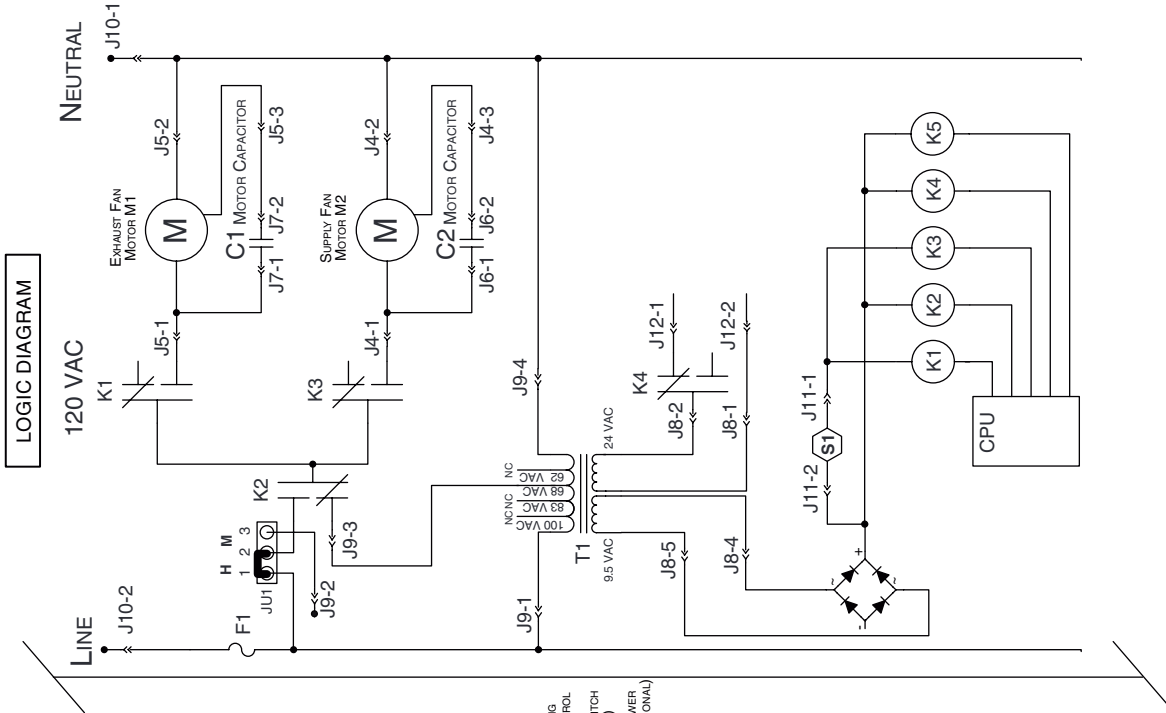


4. WIRING DIAGRAM

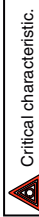
⚠ WARNING

- Risk of electric shocks. Before performing any maintenance or servicing, always disconnect the unit from its power source.
- This product is equipped with an overload protection (fuse). A blown fuse indicates an overload or a short-circuit situation. If the fuse blows, unplug the product and check the polarity and voltage output from the outlet. Replace the fuse as per the servicing instructions (refer to wiring diagram for proper fuse rating) and verify the product. If the replaced fuse blows, it may be a short-circuit and the product must be discarded or returned to an authorized service center for examination and/or repair.



LOGIC DIAGRAM

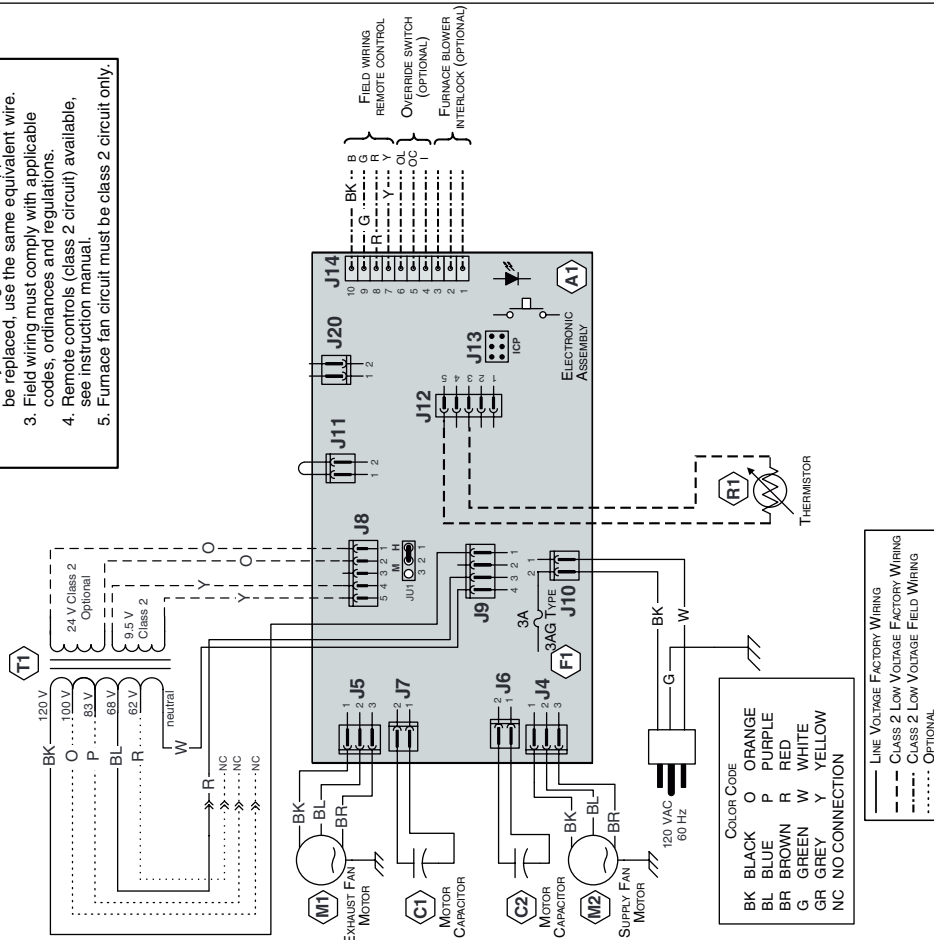
WIRING DIAGRAM



Critical characteristic.

NOTES

1. Use specified UL listed/CSA Certified line fuse.
2. If any of the original wire, as supplied, must be replaced, use the same equivalent wire.
3. Field wiring must comply with applicable codes, ordinances and regulations.
4. Remote controls (class 2 circuit) available, see instruction manual.
5. Furnace fan circuit must be class 2 circuit only.



COLOR CODE	
BK	BLACK
BL	BLUE
OR	ORANGE
PU	PURPLE
BR	BROWN
GR	GREEN
GR	GREY
W	WHITE
Y	YELLOW
NC	NO CONNECTION

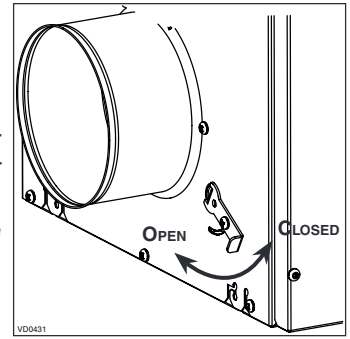
---	LINE VOLTAGE FACTORY WIRING
- - -	CLASS 2 LOW VOLTAGE FACTORY WIRING
· · · · ·	CLASS 2 LOW VOLTAGE FIELD WIRING
· · · · ·	OPTIONAL

5. BALANCING THE UNIT

PREPARATION

Follow these steps to ensure accurate measurements:

- Seal all the ductwork with tape. Close all windows and doors.
- Turn off all exhaust devices such as range hood, dryer and bathroom fans.
- Make sure the balancing dampers are fully open.
- If the installation is in any way connected to the ductwork of the cold air return of a furnace/air handler, make sure that the furnace/air handler blower is ON. If not, leave furnace/air handler blower OFF.
- If the outside temperature is below 0°C/32°F, make sure the unit is not running in defrost while balancing by waiting 10 minutes after plugging the unit in.
- Set the unit to high speed.



BALANCING PROCEDURE

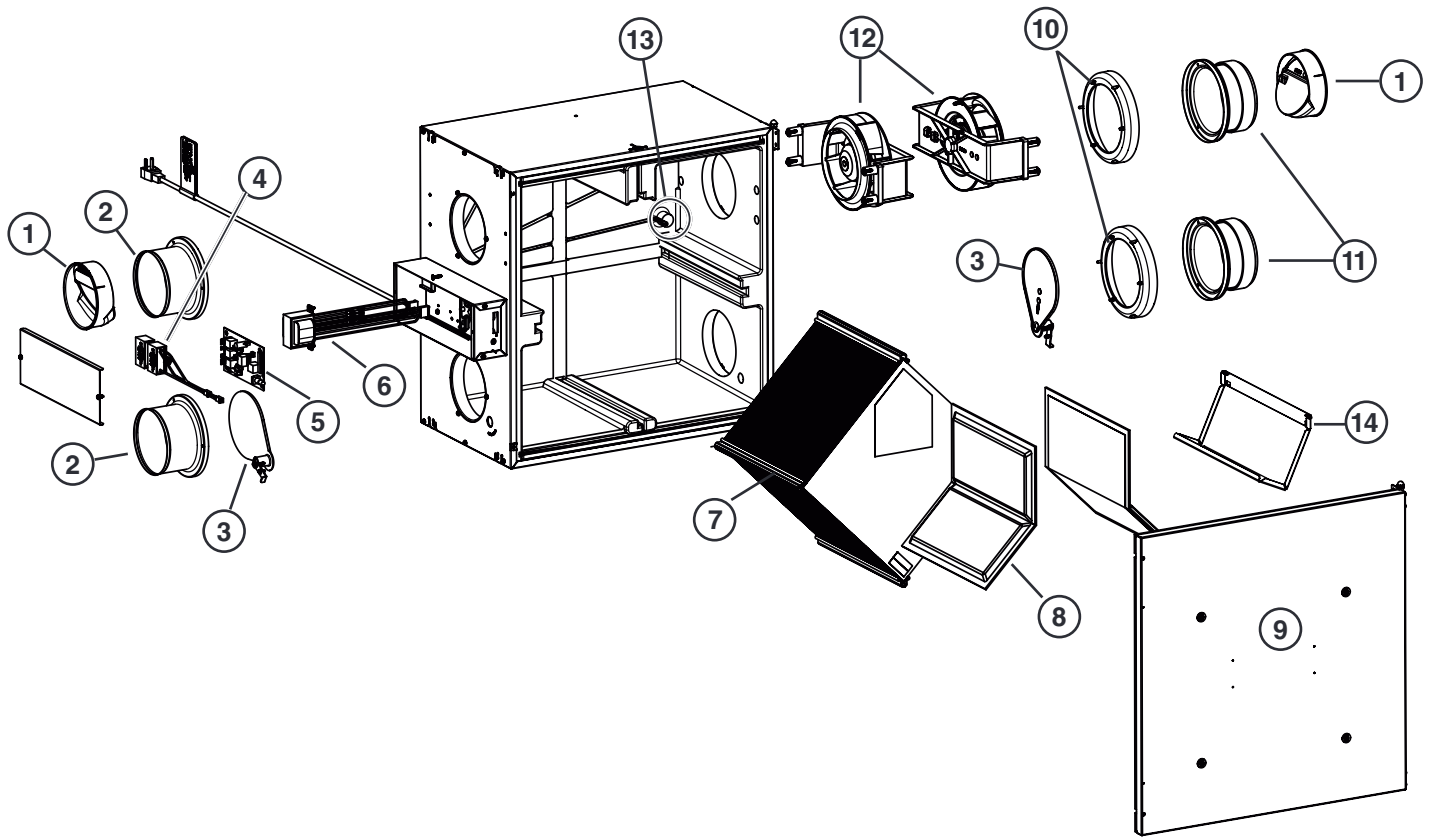
1. Place the magnehelic gauge on a level surface and adjust it to zero.
2. Connect tubing from gauge to EXHAUST airflow pressure taps (see diagram on unit door).
3. Be sure to connect the tubes to their appropriate high/low fittings. If the gauge drops below zero, reverse the tubing connections.
4. Note the CFM value from balancing chart on the unit.
5. Repeat steps 3 and 4, but to FRESH airflow pressure taps.
6. Using the appropriate adjustable balancing damper, lower the highest value so it matches the lowest value. A difference up to ± 10 cfm is acceptable.

CAUTION

The fresh air flow must not be higher than the exhaust air flow.

7. Secure both dampers in place with a fastening screw (included in the hardware kit).
8. Write the required airflow information on a label and stick it near the unit for future reference (date, maximum speed air flows, your name, phone number and business address).

6. SERVICE PARTS



ITEM	DESCRIPTION	PART NUMBER	QUANTITY			
			CR12HRV	65HRV	CR12ERV	65ERV
1	Backdraft damper assembly	SV63818	2	2	2	2
2	Metal port 5"	SV63828	2	2	2	2
3	Balancing damper	SV63823	2	2	2	2
4	Capacitor 5 μ F	SV63822	2	2	2	2
5	Electronic board	SV63821	1	1		
		SV63838			1	1
6	Transformer	SV63831	1	1	1	1
7	Heat recovery core	SV63825	1	1		
	Energy recovery core	SV63837			1	1
8	Filter (2)	SV63827	1	1	1	1
9	Door with screws for CR12HRV	SV63829	1			
	Door with screws for 65HRV	SV63830		1		
	Door with screws for CR12ERV	SV63835			1	
	Door with screws for 65ERV	SV63836				1
10	5" Port collar	SV63820	2	2	2	2
11	5" Insulated metal port	SV63819	2	2	2	2
12	Motor assembly (including item 4)	SV63824	2	2	2	2
13	Thermistor	SV63833	1	1	1	1
14	Condensing plate	SV63834	1	1		
*	Hardware bag	SV63832	1	1	1	1

* Not shown.

REPLACEMENT PARTS AND REPAIRS

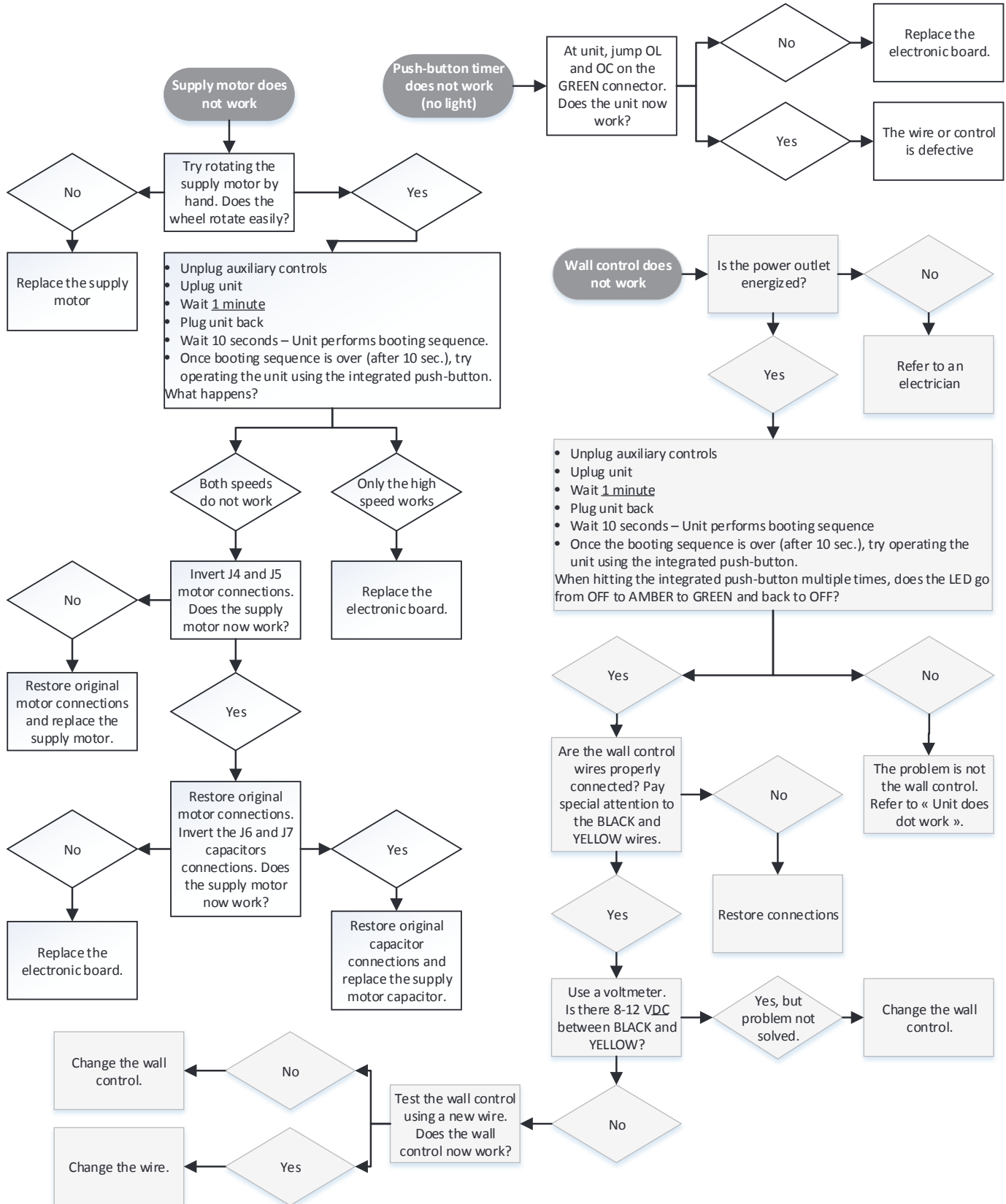
In order to ensure your ventilation unit remains in good working condition, you must use the manufacturer's genuine replacement parts only. The manufacturer's genuine replacement parts are specially designed for each unit and are manufactured to comply with all the applicable certification standards and maintain a high standard of safety. Any third party replacement part used may cause serious damage and drastically reduce the performance level of your unit, which will result in premature failing. The manufacturer recommends to contact a certified service depot for all replacement parts and repairs.

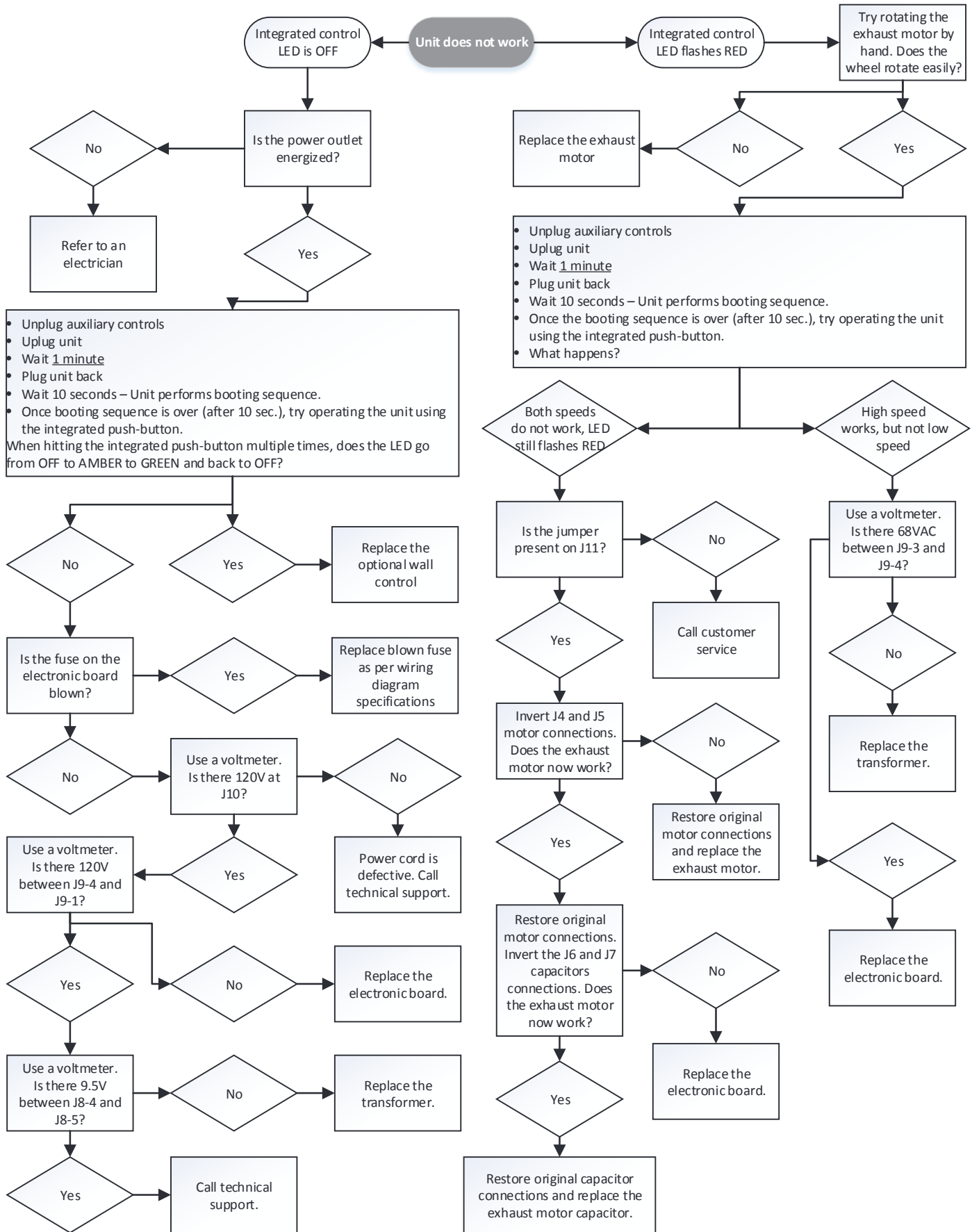
7. INSTALLER'S TROUBLESHOOTING

⚠ WARNING

A few diagnosis procedures may require the unit to be in operation while proceeding. Be careful with moving and/or live parts.

LED Signal	Error Type	Action
LED flashes GREEN (double blink)	Thermistor error (unit still works).	Replace the thermistor kit.





SERVICE TECHNICIANS ONLY: If you require assistance or have questions after performing the following troubleshooting, call :
 In presence of a CR12HRV or CR12ERV unit : 1-800-649-0372
 In presence of a 65HRV or 65ERV unit: 1-888-908-2633