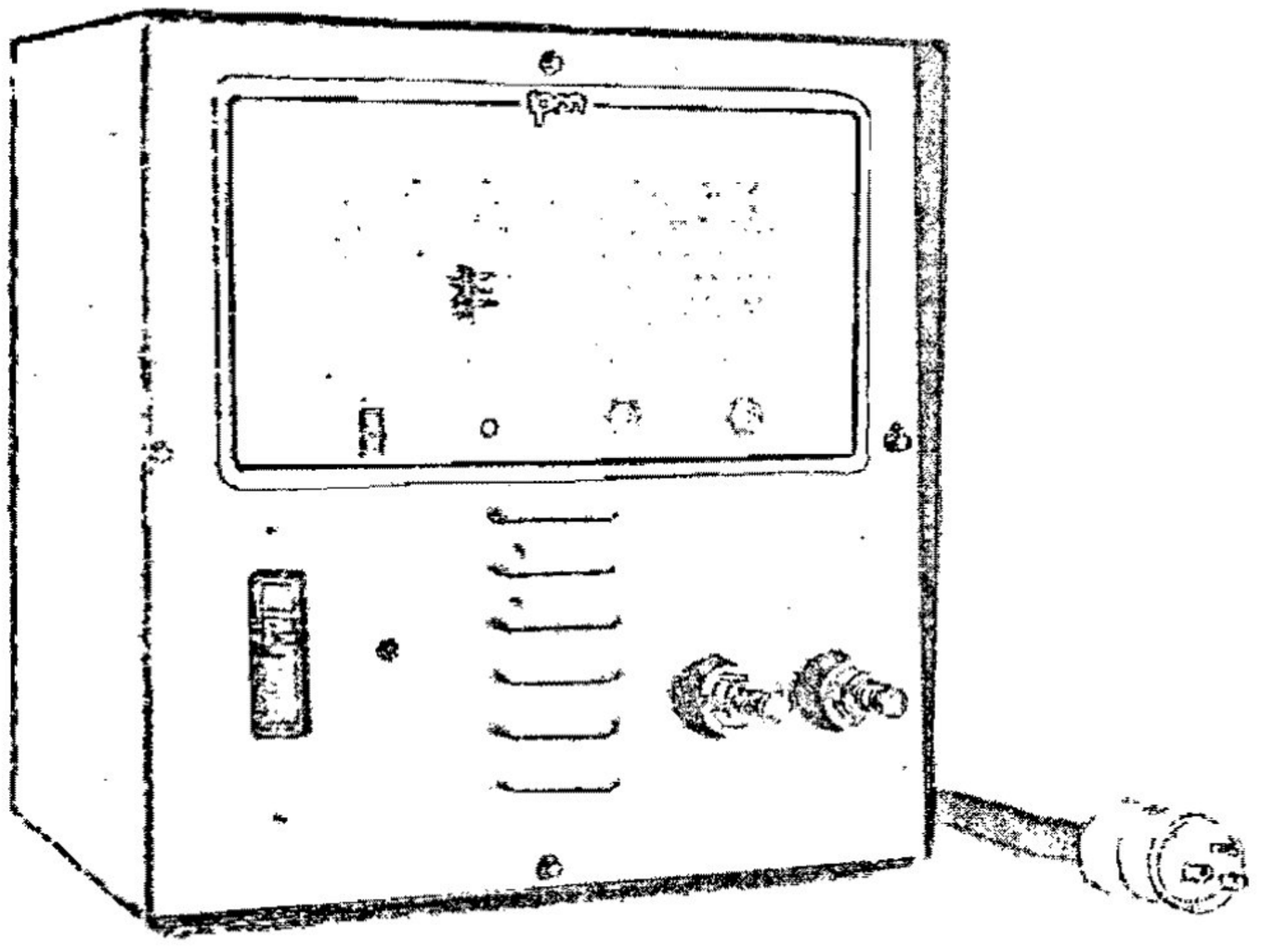
OPERATION MANUAL

ipm OT-0710

POWERVERTER



SALES

INTERNATIONAL
PRODUCTS & MANUFACTURING, INC.
200 EAST DANIELS ROAD PHONE (312) 359 - 4710
PALATINE, ILLINOIS. 60067

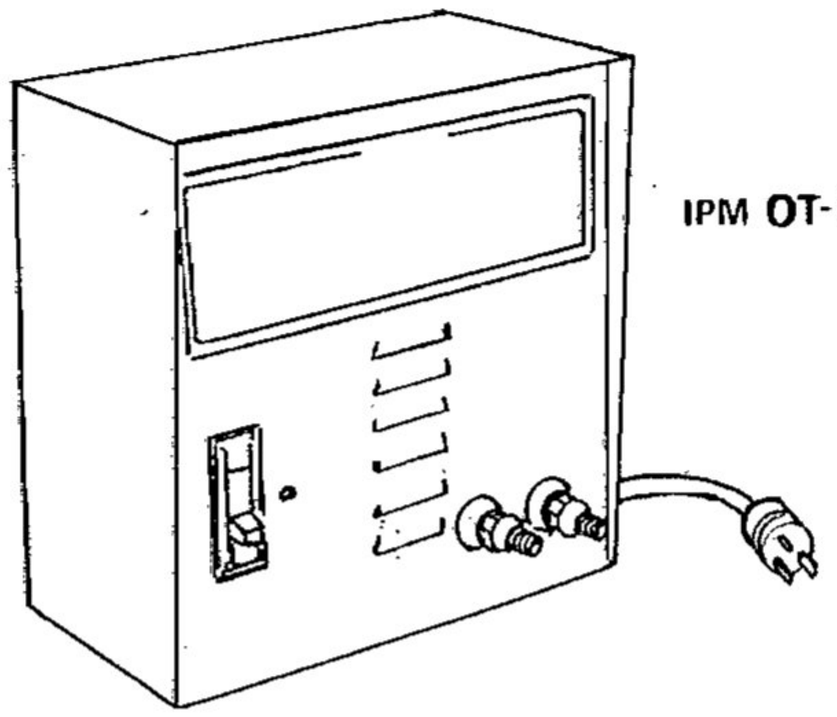
TECHNICAL ASSISTANCE & SERVICE

MANUFACTURED BY
KB IRBESIL & IRCH CORP.
141 West J-5 PHONE (805) 942-5166
LANCASTER, Calif. 93534 outside California 800-235-2153

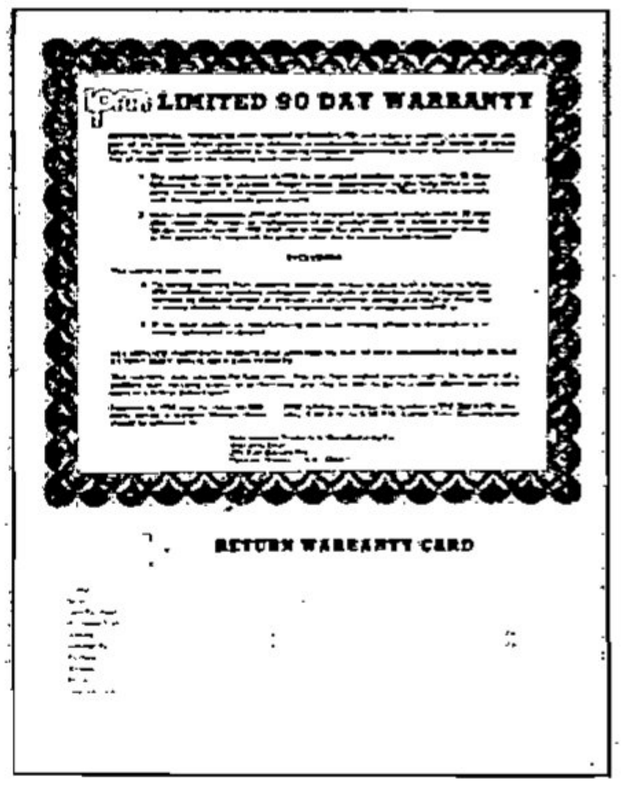
Electrical Rebuilder's ERA Association 2001

CHECK LIST

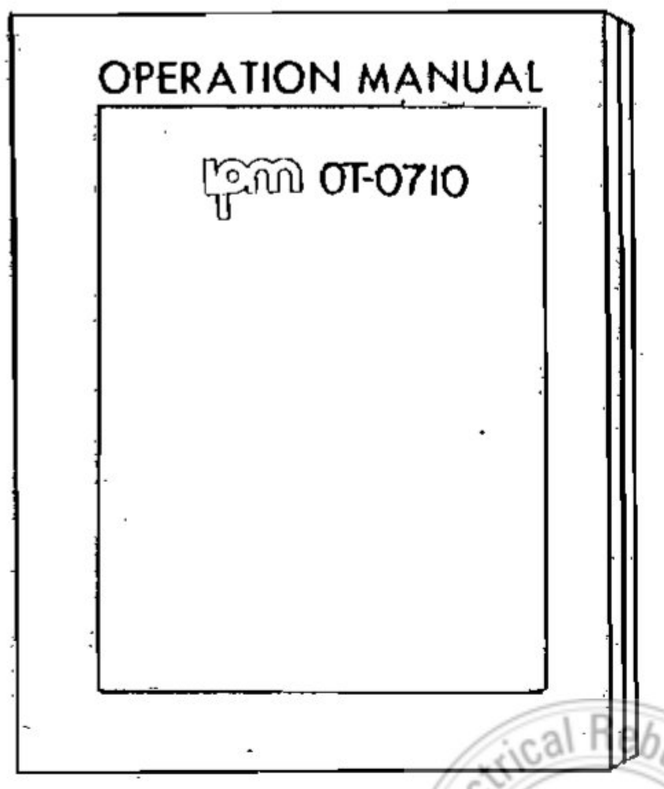
Inspect the equipment you ordered before operating it. Report any damages or defects promptly, as explained in the warranty card.



IPM OT-0710 POWERVERTER



IPM WARRANTY



OPERATION MANUAL

Electrical Rebuilder's ERA FOUNDED 2001 ASSOCIATION

OPERATION INSTRUCTIONS

GENERAL DESCRIPTION

THE OT-0701 POWER VERTER IS DESIGNED TO SUPPLY APPROXIMATELY 12 VOLTS OPEN VOLTAGE AT APPROXIMATELY 200 AMPS FOR LOAD OR FREE RUN TESTING OF STARTERS FOR SHORT DURATION TESTS. THE OT-0701 IS FAN COOLED AND PROTECTED BY A 20 AMP RESETABLE CIRCUIT BREAKER THAT ALSO ACTS AS AN ON-OFF SWITCH. THE OT-0710 IS A 110 VOLT SINGLE PHASE POWERED UNIT.

HOOK-UP OPERATION

PLUG THE 3 CONDUCTOR PLUG INTO A 3 LEAD GROUNDED RECEPTACLE. CONNECT THE - AND + LEADS FROM THE POWER VERTER TO THE - AND + TERMINALS OF THE EQUIPMENT THAT YOU ARE GOING TO SUPPLY THE DC POWER TO. PROPER POLARITY MUST BE OBSERVED. ONCE THE CONNECTIONS ARE MADE, SIMPLY TURN ON THE POWER SWITCH. THE PILOT LIGHT LOCATED BESIDE THE POWER SWITCH WILL LIGHT, INDICATING POWER IS ON. PROCEED WITH THE TESTING. THIS TESTER IS CAPABLE OF RAISING OR LOWERING THE OPERATING VOLTAGE.

CHECK OUT

THIS MACHINE IS DESIGNED WITH NO ADJUSTMENTS. IT MAY BE CHECKED BY THE FOLLOWING METHODS.

1) PLUG INTO 110V SOCKET.
2) TURN POWER SWITCH ON, THE PILOT LIGHT SHOULD LIGHT.
3) READ VOLTAGE ACROSS THE - AND + TERMINALS, IF THE VOLTAGE IS 11 TO 12 VOLTS AND YOU CAN HEAR THE FAN RUNNING, EVERYTHING IS ALRIGHT. IF THESE CONDITIONS DO NOT EXIST REFER TO THE TROUBLE SHOOTING CHART.

MAINTENANCE

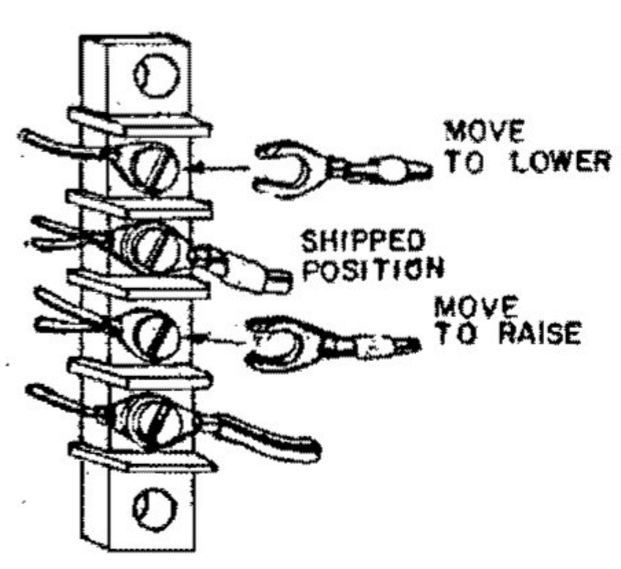
THE ONLY MAINTENANCE NECESSARY WITH YOUR OT-0701 WILL BE EVERY 6 MONTHS TO UNPLUG THE POWER CORD AND REMOVE THE FRONT COVER AND CLEAN DUST AND LINT FROM THE INSIDE. MAKE SURE ALL LOUVERS ARE OPEN TO ALLOW THOROUGH AIR FLOW THROUGH THE MACHINE.

PARTS LISTING

REF.#	PART#	DESCRIPTION
1	OT-5065	TERMINAL POST ASSEMBLY COMPLETE
2	OT-5100	POWER SWITCH & CIRCUIT BREAKER
3	OT-5127	FAN MOTOR
4	OT-5129	POWER DIODES
5	OT-5131	POWER TRANSFORMER
6	OT-5132	TERMINAL BLOCK
7	OT-3137	FAN BLADE
8	OT-1015	PILOT LIGHT ASSEMBLY

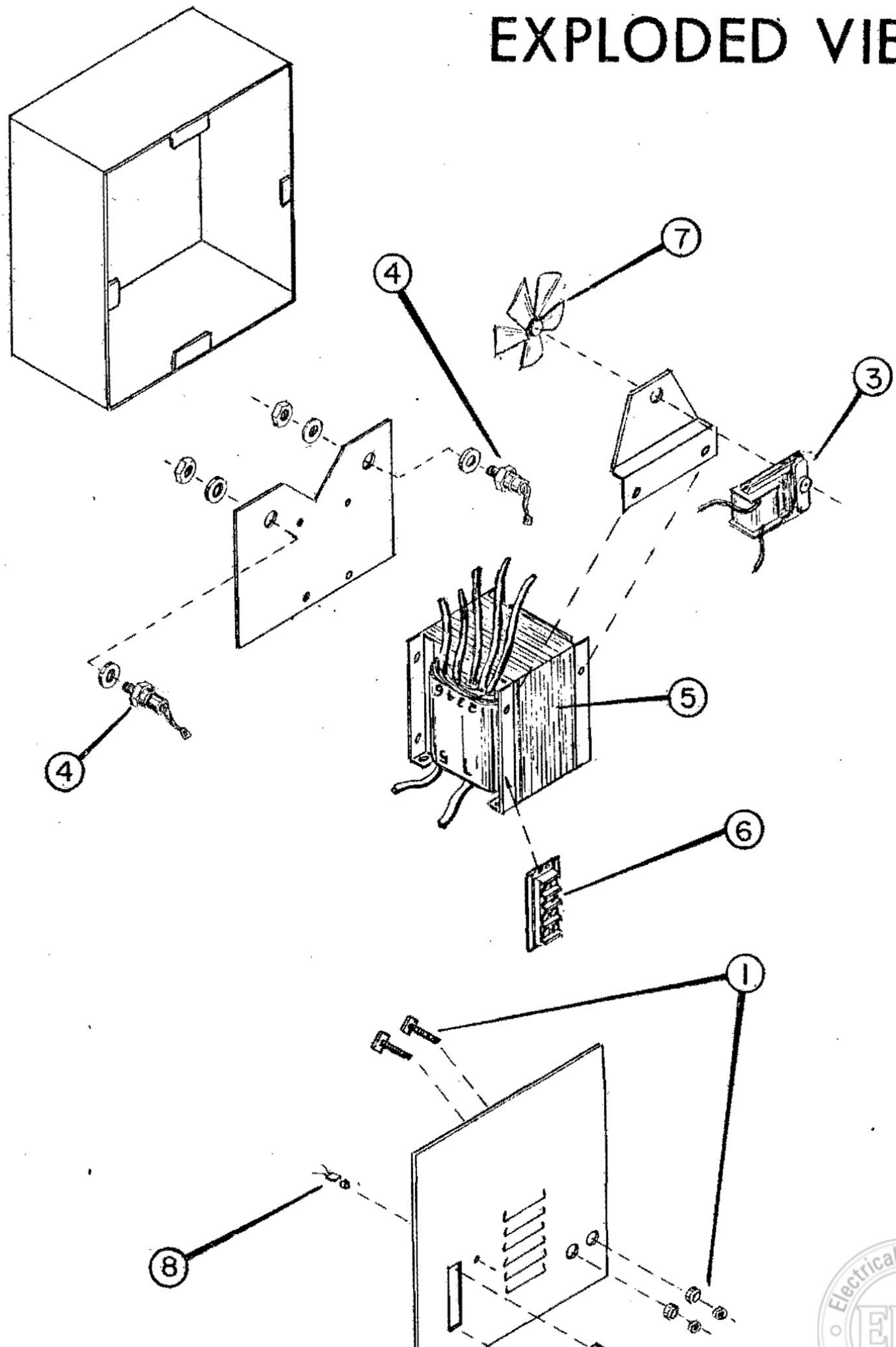
TERMINAL STRIP ON TRANSFORMER

TO CHANGE TERMINAL STRIP ON TRANSFORMER OUTPUT VOLTAGE POSITION WHITE LEAD AND BOTTOM FAN WIRE ON TERMINAL POST AS SHOWN.



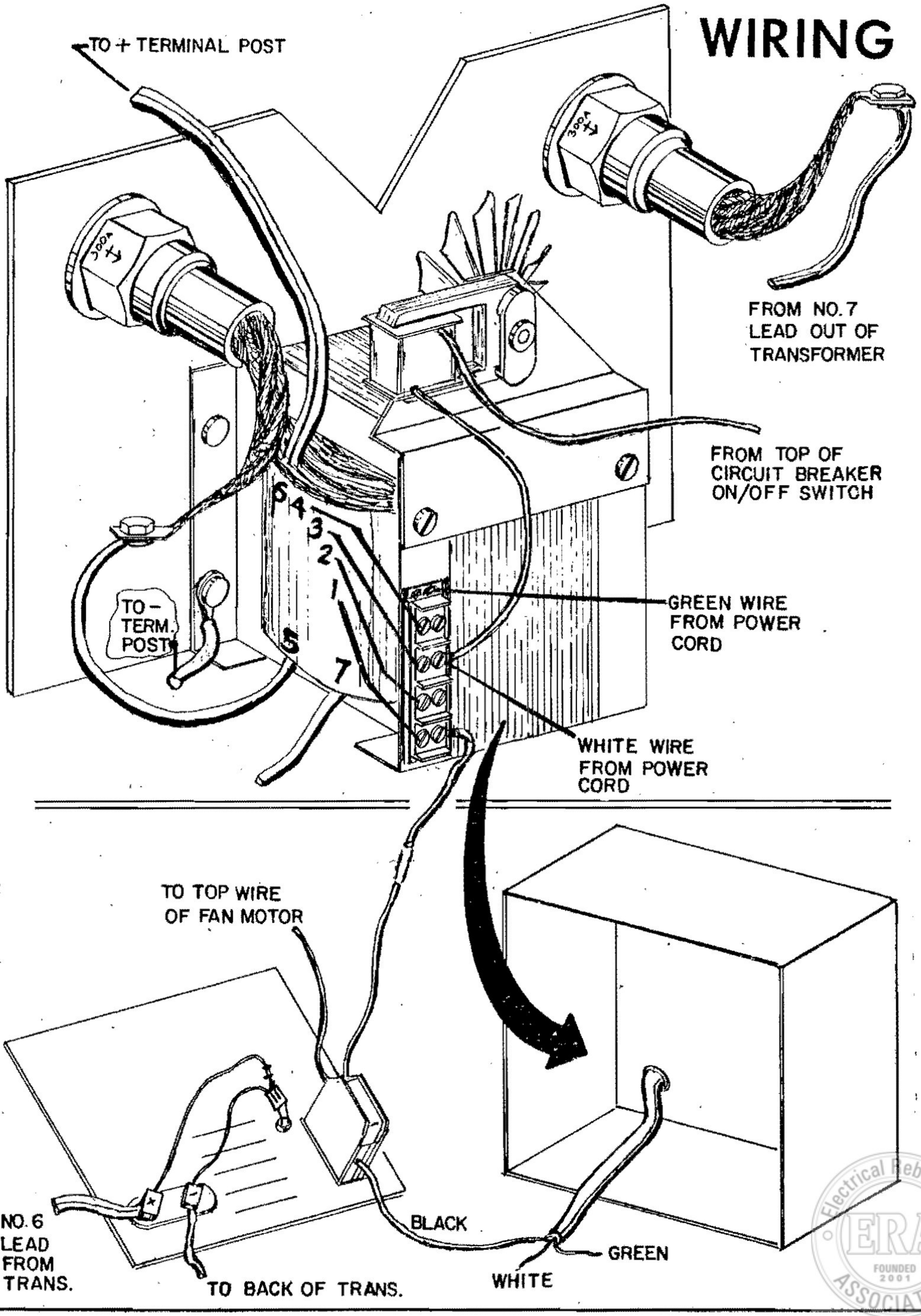
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EXPLODED VIEW

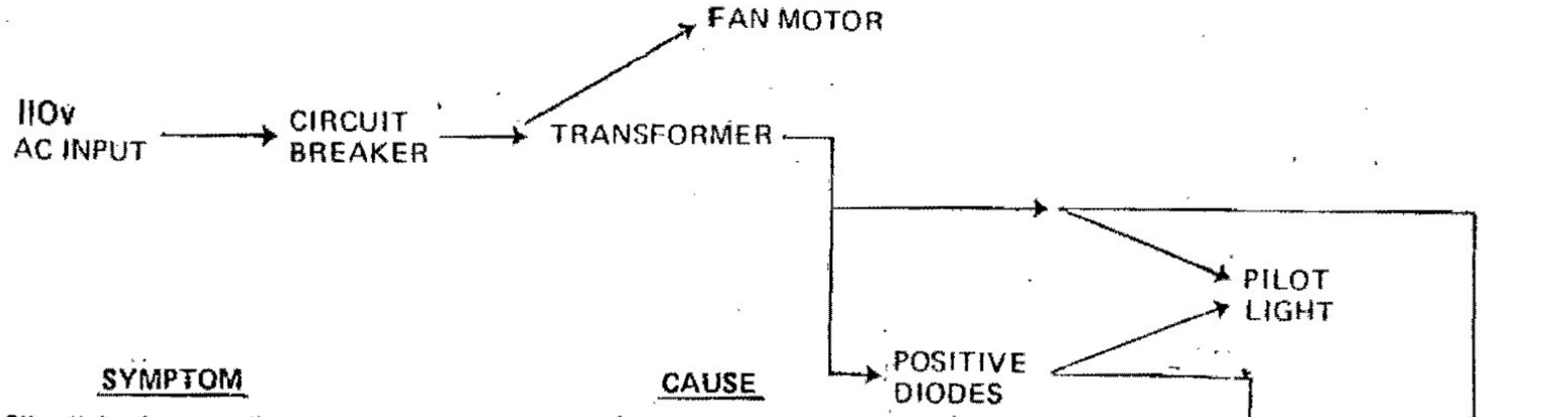


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WIRING

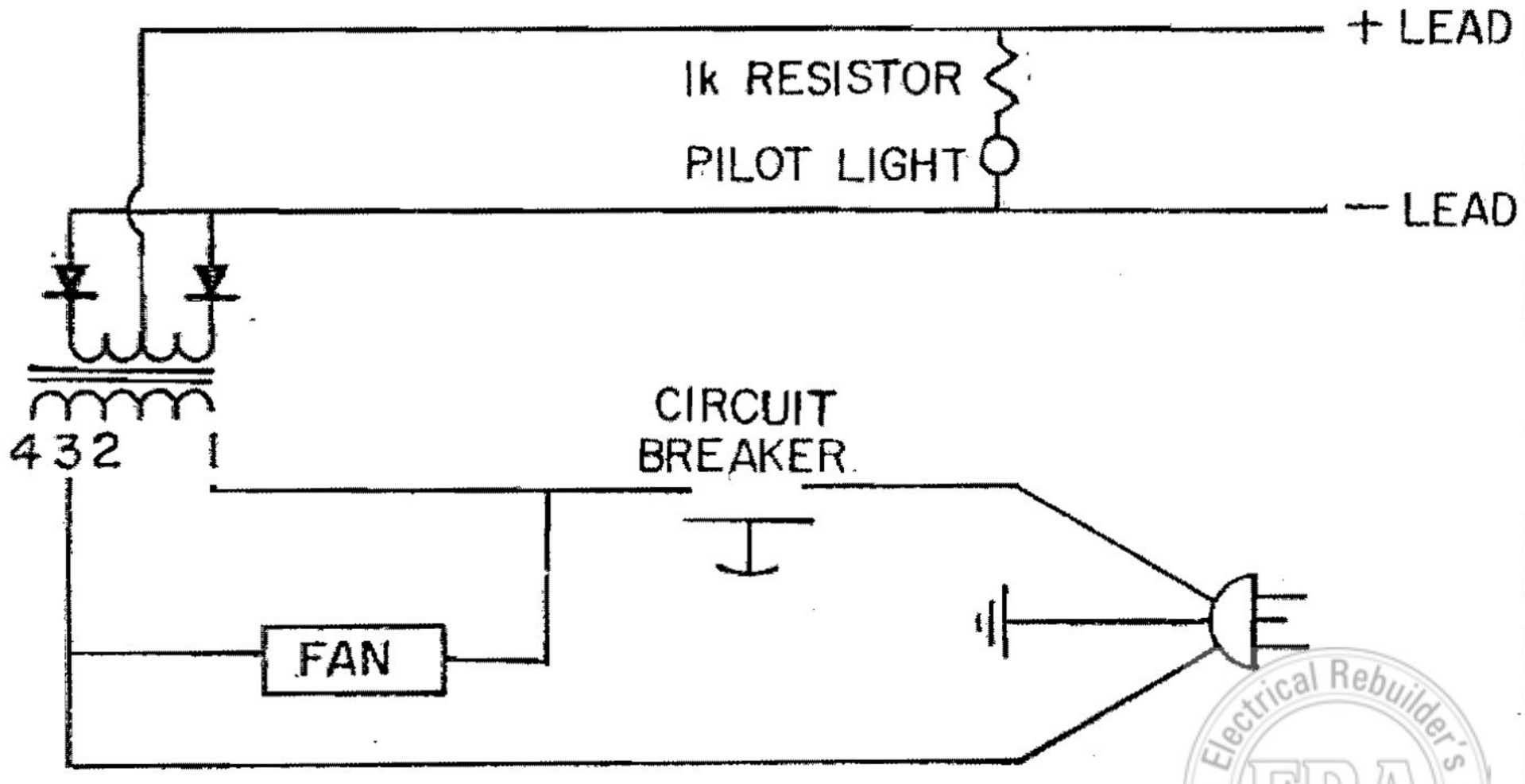

TO + TERMINAL POST
300A
FROM NO. 7 LEAD OUT OF TRANSFORMER
FROM TOP OF CIRCUIT BREAKER ON/OFF SWITCH
6
4
3
2
1
5
7
TO – TERM. POST
GREEN WIRE FROM POWER CORD
WHITE WIRE FROM POWER CORD
TO TOP WIRE OF FAN MOTOR
NO. 6 LEAD FROM TRANS.
TO BACK OF TRANS.
BLACK
GREEN
WHITE

TROUBLESHOOTING GUIDE



SYMPTOM	CAUSE
Pilot light does not light.	Tripped or blown circuit breaker. Open transformer. Open negative or positive diode bank. Broken wiring between transformer and circuit breaker. Broken wiring between transformer and diode banks.
Low DC output voltage under no load.	Shorted diodes. Defective transformer. Low AC line voltage.
Low DC output voltage under load.	Open diodes. Defective transformer. Inadequate guage AC line. Poor wiring connections in Powerverter.

WIRING DIAGRAM



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