



# POWER PLANT

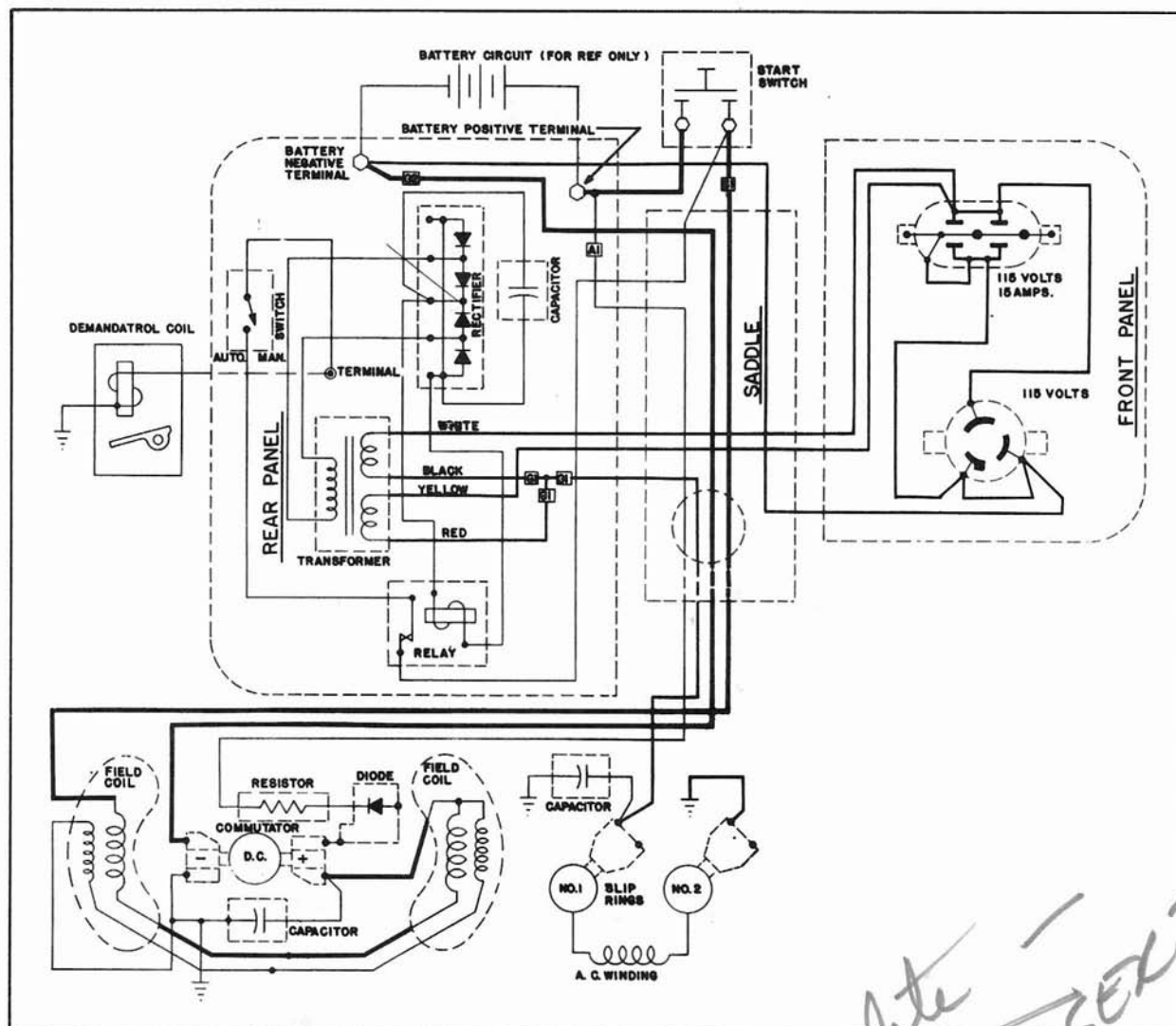
MODEL: 3W013, 2,000 WATT

Form  
5S1594A

DAYTON ELECTRIC MANUFACTURING CO. CHICAGO 60648

Jan. 1970

## WIRING DIAGRAM



## LIMITED WARRANTY

Dayton Emergency Power Systems are warranted against defects in workmanship or materials under normal use (rental service excluded) for one year from date of purchase to the original owner. Liability in all events is limited to the purchase price paid and liability under the aforesaid warranty is limited to replacing or repairing any part or parts which are defective in materials or workmanship and returned to our factory or Authorized Service Station, shipping costs prepaid.

**DISCLAIMER.** No warranty of merchantability of fitness for a particular purpose or other warranty, expressed or implied, other than the aforesaid is made or authorized by Dayton Electric Mfg. Co.

**PROMPT DISPOSITION.** Dayton will make a good faith effort for prompt disposition regarding any item which proves to be defective within warranty. Before returning any merchandise, write or call Dayton Electric Mfg. Co. or dealer from whom product was purchased, giving date and number of original invoice and describing nature of defect. If merchandise was damaged in transit to you, file claim with carrier.

DAYTON ELECTRIC MFG. CO., 5959 W. HOWARD ST., CHICAGO, ILLINOIS 60648

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This diagram illustrates the exploded view of a mechanical assembly, likely a pump or motor component. The parts are numbered 1 through 70. The assembly includes a main housing (13), a motor (5), a fan (10), a gear (37), and various mounting brackets (43, 44, 48, 50). The diagram shows the relative positions and assembly sequence of these components, with lines indicating the path of assembly. A dashed box at the bottom left highlights a sub-assembly consisting of parts 66, 65, 67, 70, 68, and 69.

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| Ref. No. | Description                          | Qty. | Part No. | Ref. No. | Description               | Qty. | Part No. |
|----------|--------------------------------------|------|----------|----------|---------------------------|------|----------|
| 1        | Hex Nut -----                        | 3    | 638      | 35       | Machine Screw -----       | 4    | 23598    |
| 2        | Lockwasher -----                     | 3    | 479      | 36       | Lockwasher -----          | 1    | 40552    |
| 3        | End Bracket -----                    | 1    | 23720    | 37       | Fan -----                 | 1    | 23727    |
| 4        | Allen Head Screw -----               | 4    | 40082    | 38       | Thru Bolt -----           | 1    | 23197-3  |
| 5        | Armature -----                       | 1    | 54128-1  | 39       | Flat Washer -----         | 1    | 23558    |
| 6        | Stud -----                           | 3    | 23817    | 40       | Lockwasher -----          | 1    | 480      |
| 7        | Pole Shoe Ass'y. -----               | 2    | 23806    | 41       | Hex Nut -----             | 1    | 23605    |
| 8        | Bearing -----                        | 1    | 46911    | 42       | End Cover -----           | 1    | 23815    |
| 9        | Field Coil -----                     | 1    | 54724-1  | 43       | Cover -----               | 1    | 24128    |
| 10       | Field Coil -----                     | 1    | 54724    | 44       | Front Panel -----         | 1    | 54605    |
| 11       | Pole Shoe Retainer -----             | 2    | 23807    | 45       | Receptacle (duplex) ----- | 1    | 24749    |
| 12       | Machine Screw -----                  | 3    | 1743     | 46       | Copper Strap -----        | 1    | 41387-2  |
| 13       | Field Shell and Bracket Ass'y. ----- | 1    | 23798    | 47       | Receptacle -----          | 1    | 22901    |
| 14       | Machine Screw -----                  | 4    | 4637     | 48       | Base -----                | 1    | 24122    |
| 15       | Lockwasher -----                     | 4    | 484      | 49       | Starter Switch -----      | 1    | 2210     |
| 16       | Hex Nut -----                        | 4    | 456      | 50       | Bracket -----             | 1    | 54611    |
| 17       | Riveted Brush Rack Ass'y. -----      | 1    | 41744    | 51       | Copper Strap -----        | 1    | 54821    |
| 18       | Riveted Brush Rack Ass'y. -----      | 1    | 41744-1  | 52       | Machine Screw -----       | 2    | 21974    |
| 19       | DC Brush -----                       | 2    | 41393    | 53       | Condenser -----           | 1    | 41172    |
| 20       | Machine Screw -----                  | 4    | 4637     | 54       | Rectifier -----           | 1    | 42277    |
| 21       | Resistor -----                       | 1    | 24236-1  | 55       | Relay -----               | 1    | 40595    |
| 22       | Machine Screw -----                  | 2    | 6917     | 56       | Transformer -----         | 1    | 40450    |
| 23       | Lockwasher -----                     | 2    | 22989    | 57       | Switch -----              | 1    | 53340-6  |
| 24       | Hex Nut -----                        | 2    | 394      | 58       | Hex Nut -----             | 4    | 458      |
| 25       | AC Condenser Ass'y. -----            | 1    | 41221    | 59       | Lockwasher -----          | 4    | 480      |
| 26       | Ground Strip -----                   | 1    | 41387-1  | 60       | Shoulder Washer -----     | 1    | 21981    |
| 27       | Machine Screw -----                  | 2    | 6402     | 61       | Insulation Washer -----   | 1    | 6892     |
| 28       | Hex Nut -----                        | 2    | 5113     | 62       | Connector -----           | 1    | 54619    |
| 29       | Lockwasher -----                     | 2    | 6376     | 63       | Rear Panel -----          | 1    | 54607    |
| 30       | DC Condenser -----                   | 1    | 41180    | 64       | Conserver Ass'y. -----    | 1    | 54727    |
| 31       | Formed Heat Sink -----               | 1    | 54729    | 65       | Hex Jam Nut -----         | 2    | 44894    |
| 32       | Diode -----                          | 1    | 54023-1  | 66       | Mounting Bracket -----    | 1    | 49444    |
| 33       | AC Brush Holder -----                | 4    | 23500    | 67       | Solenoid Ass'y. -----     | 1    | 44889    |
| 34       | AC Brush -----                       | 4    | 23607    | 68       | Lever -----               | 1    | 49443    |
|          |                                      |      |          | 69       | Collar -----              | 1    | 49503    |
|          |                                      |      |          | 70       | Set Screw -----           | 1    | 6394     |