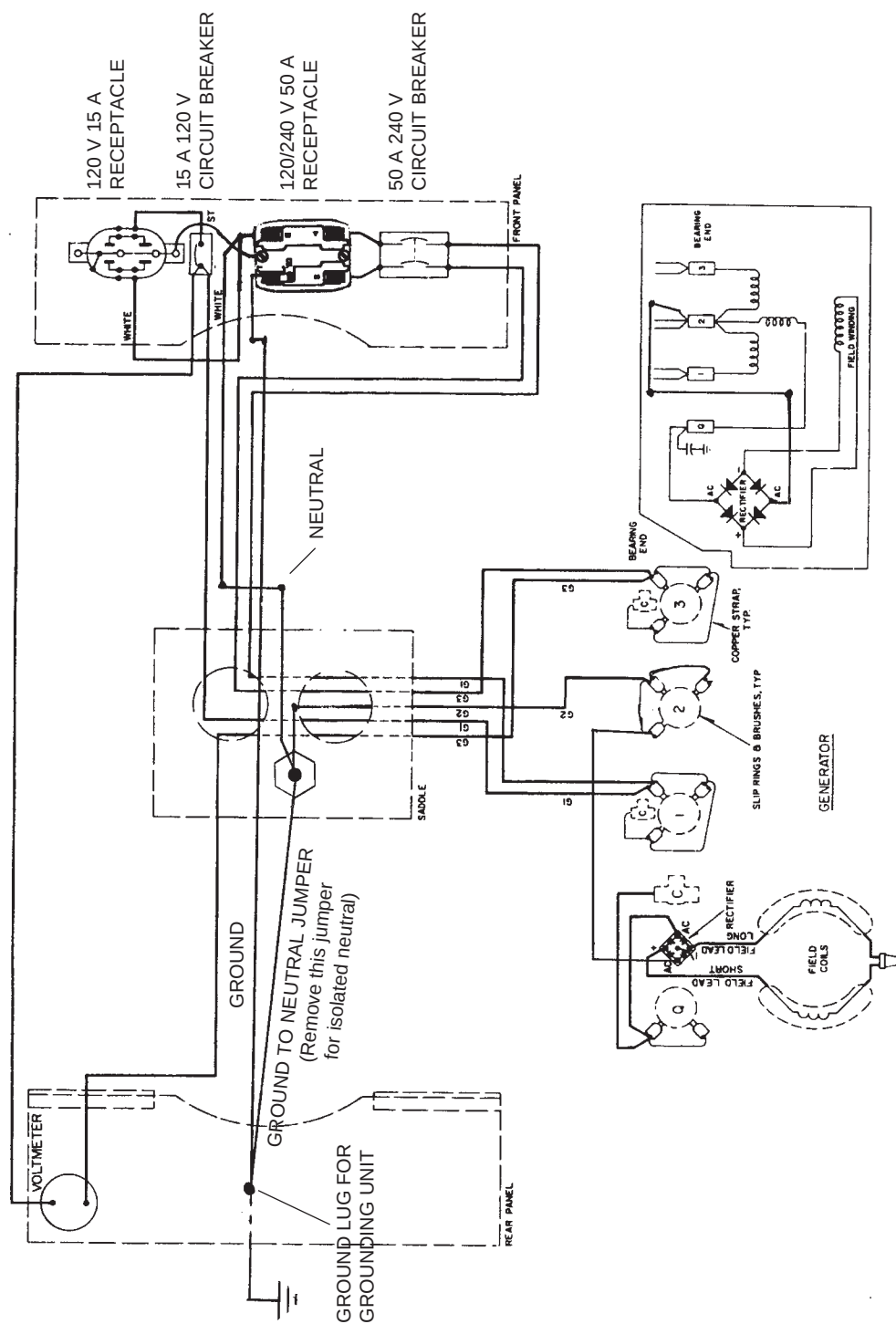
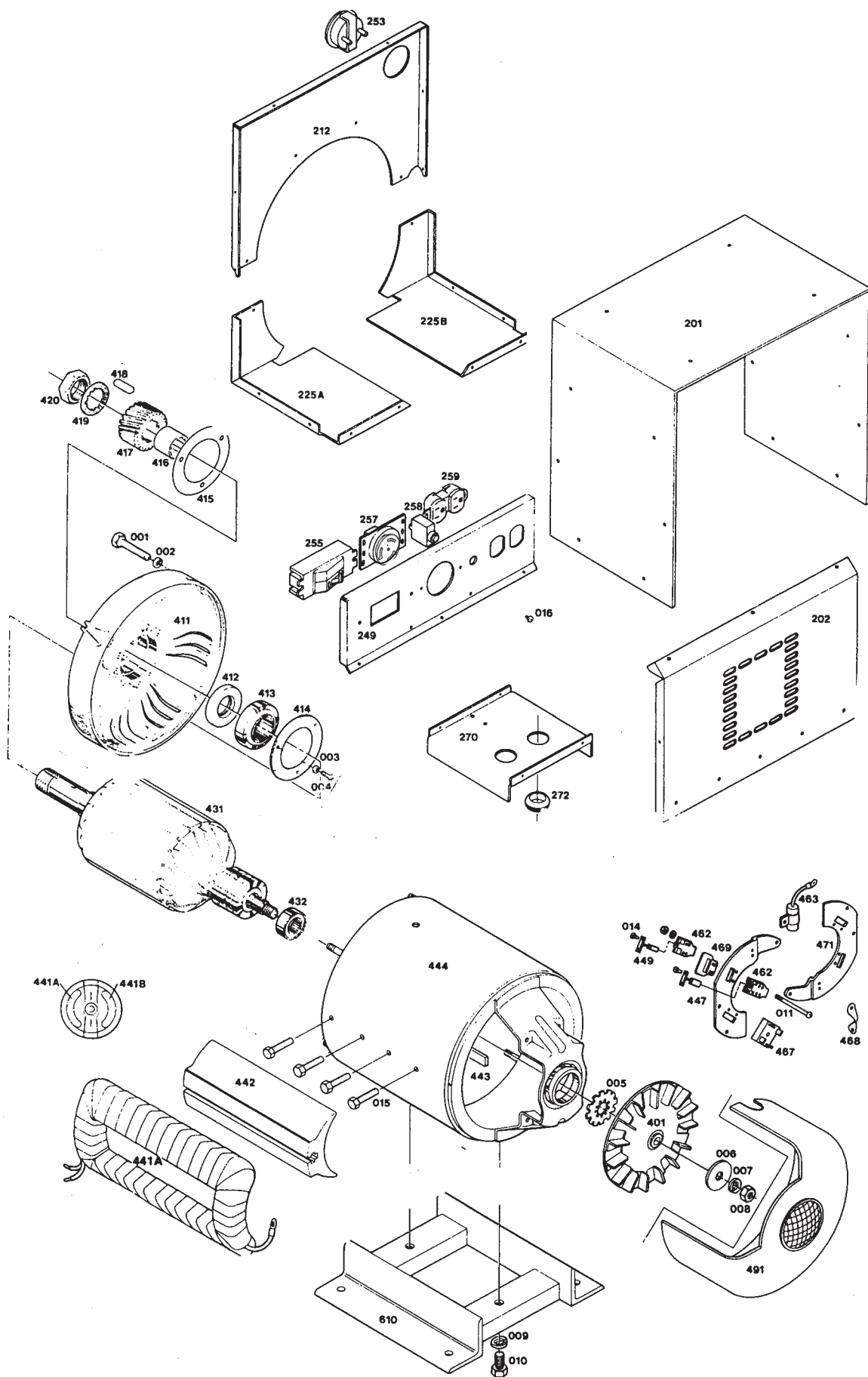


### PARTS LISTS & WIRING SCHEMATIC





# GENERATOR REPLACEMENT PARTS LIST

| REF  | DESCRIPTION                  | QTY | PART NBR. | REF  | DESCRIPTION                 | QTY | PART NBR. |
|------|------------------------------|-----|-----------|------|-----------------------------|-----|-----------|
| 001  | Cap Screw 5/16"-18x2 3/4     | 4   | 51101-000 | 412  | Oil Seal                    | 1   | 46912-000 |
| 002  | Lockwasher 5/16"             | 4   | 480-000   | 413  | Bearing                     | 1   | 46913-000 |
| 003  | Lockwasher Split Type 1/4"   | 3   | 479-000   | 414  | Retainer Plate              | 1   | 44318-000 |
| 004  | Machine Screw                | 3   | 45633-000 | 415  | Gasket                      | 1   | 20136-000 |
| 005  | Lockwasher 11/16 Int.        | 1   | 40552-000 | 416  | Spacer                      | 1   | 20137-000 |
| 006  | Flat Washer                  | 1   | 21867-000 | 417  | Pinion Gear                 | 1   | 46545-000 |
| 007  | Lockwasher                   | 1   | 20039-000 | 418  | Key                         | 1   | 20159-000 |
| 008  | Hex Nut 1/2-20               | 1   | 9549-000  | 419  | Lockwasher                  | 1   | 20139-000 |
| 009  | Lockwasher                   | 2   | 636-000   | 420  | Hex Nut                     | 1   | 20160-000 |
| 010  | Cap Screw 1/2-13 x 1         | 2   | 48178-000 | 431  | Armature                    | 1   | 60851-000 |
| 011  | Machine Screw                | 4   | 44342-000 | 432  | Bearing                     | 1   | 50215-000 |
| 012  | Lockwasher                   | 5   | 6376 -000 | 440  | Field Shell & Coil Assembly | 1   | 60854-000 |
| 013  | Hex Nut 8-32                 | 5   | 5113-000  | 441A | Field Coil                  | 1   | 60852-000 |
| 014  | Machine Screw                | 22  | 40746-000 | 441B | Field Coil                  | 1   | 60852-001 |
| 015  | Cap Screw 7/16-20 x1 3/4     | 8   | 43781-000 | 442  | Pole Shoe                   | 2   | 42882-000 |
| 016  | Screw                        | 24  | 21698-001 | 443  | Pole Shoe Retainer          | 2   | 42883-000 |
| 200  | Control Panel                | REF | 61000-015 | 444  | Field Shell                 | 1   | 59977-000 |
| 201  | Cover                        | 1   | 60944-002 | 447  | AC Brush                    | 9   | 55536-000 |
| 202  | Front Cover                  | 1   | 64694-001 | 449  | Brush "Q"                   | 2   | 53949-000 |
| 212  | Upper Rear Panel             | 1   | 61144-000 | 460L | Brush Rack Assembly         | 1   | 60853-000 |
| 225A | Left Lower Rear Panel        | 1   | 61216-001 | 460R | Brush Rack Assembly         | 1   | 60853-001 |
| 225B | Right Lower Rear Panel       | 1   | 61216-002 | 462  | Brush Holder                | 11  | 59690-000 |
| 249  | Bare Front Panel             | 1   | 61109-001 | 463  | Condenser                   | 3   | 41221-000 |
| 253  | Voltmeter                    | 1   | 52490-000 | 467  | Rectifier                   | 1   | 91452-000 |
| 255  | Circuit Breaker 240 V, 50 A. | 1   | 57030-000 | 468  | Ground Strap                | 3   | 41387-007 |
| 257  | Receptacle 50 Amp            | 1   | 91889-000 | 469  | Barrier Spacer              | 11  | 59688-000 |
| 258  | Circuit Breaker 120 V, 15 A. | 1   | 91286-000 | 471  | Mounting Plate              | 2   | 40994-000 |
| 259  | Receptacle (NEMA 5-15)       | 1   | 24749-000 | 491  | End Cover                   | 1   | 55007-000 |
| 270  | Saddle                       | 1   | 60951-001 | 610  | Base                        | 1   | 51147-000 |
| 272  | Grommet                      | 2   | 23917-000 | NI   | Neutral Stand-Off           | 1   | 94378-000 |
| 400  | Generator                    | 1   | 61367-002 |      |                             |     |           |
| 401  | Fan Assembly                 | 1   | 23404-000 |      |                             |     |           |
| 411  | End Bracket                  | 1   | 51046-002 |      |                             |     |           |

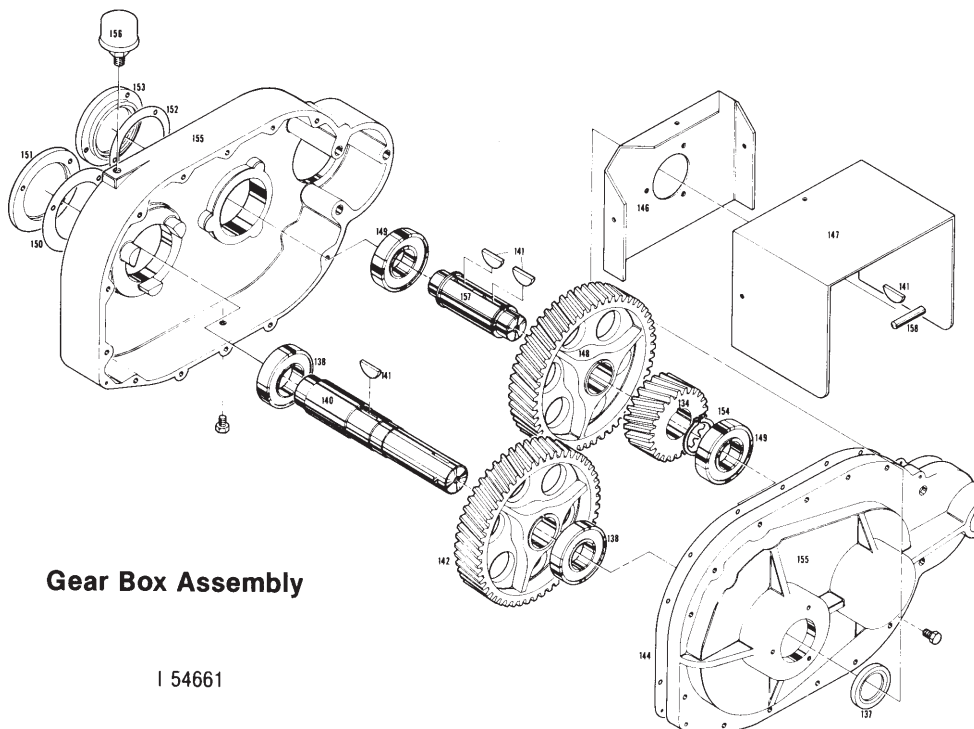
## TECHNICAL DATA

### Generator Specifications:

kW - 12; Volts -120/240; Amps - 50; PH - 1; Hz -60;  
 Input - 540/1000 RPM; Generator - 3600 RPM

### Resistances:

Field Coils Ohms; 8.8 - 9.45, Exciter Volts - 55, Amps 5.8  
 Armature (Q Winding) .048 - .054 Ohms, (G1 to N & G3 to N) .050 - .059 Ohms



**Gear Box Assembly**

I 54661

| REF | DESCRIPTION                 | QTY | 540 RPM<br>PART NBR. | 1000 RPM<br>PART NBR |
|-----|-----------------------------|-----|----------------------|----------------------|
| 130 | Gear Box Assembly           | 1   | 54661-400            | 54661-401            |
| 134 | Pinion Gear                 | 1   | 46547-000            | 44833-000            |
| 137 | Seal                        | 1   | 20029-000            | 20029-000            |
| 138 | Bearing                     | 2   | 64562-000            | 64562-000            |
| 140 | Shaft (Input Drive)         | 1   | 46296-000            | 46296-000            |
| 141 | Woodruff Key                | 4   | 1774-000             | 1774-000             |
| 142 | Gear (input Drive)          | 1   | 46548-000            | 46546-000            |
| 144 | Gasket (Cover)              | 1   | 20016-000            | 20016-000            |
| 146 | Backing Plate               | 1   | 56207-000            | 56207-000            |
| 147 | Safety Shield               | 1   | 53332-000            | 53332-000            |
| 148 | Gear (Driven)               | 1   | 46546-000            | 46546-000            |
| 149 | Bearing                     | 2   | 54665-000            | 54665-000            |
| 150 | Gasket                      | 1   | 46299-000            | 46299-000            |
| 151 | Retainer                    | 1   | 46295-000            | 64580-000            |
| 152 | Gasket                      | 1   | 46298-000            | 46298-000            |
| 153 | Retainer                    | 1   | 46286-000            | 46286-000            |
| 154 | Snap Ring                   | 1   | 20133-000            | 20133-000            |
| 155 | Gear Case & Cover (Matched) | 1   | 54662-000            | 54662-000            |
| 156 | Breather                    | 1   | 40716-000            | 40716-000            |
| 157 | Shaft (Driven)              | 1   | 20128-000            | 20128-000            |
| 158 | Roll Pin                    | 1   | 4133-000             | 4133-000             |

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