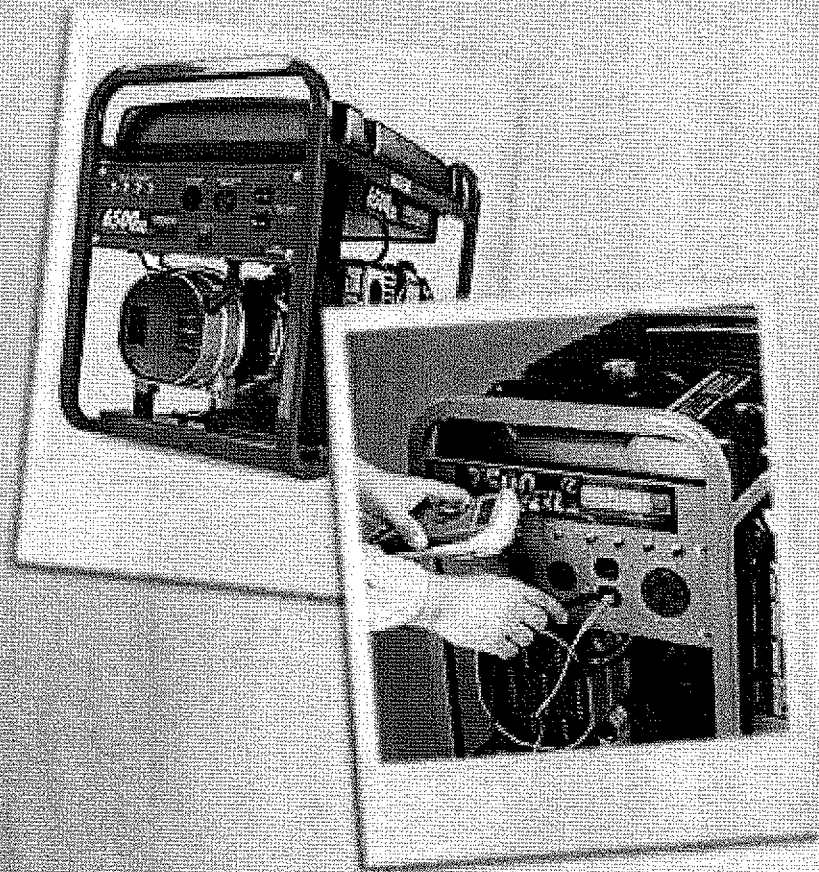




# Portable Generator

## Rotor / Stator Resistance Tables Revision 7



General Information

Troubleshooting

Resistance Tables

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## Forward

This Manual has been written and published by Briggs & Stratton to aid our dealers' mechanics and company service personnel when servicing the products described herein.

It is assumed that these personnel are familiar with the servicing procedures for these products, or like or similar products, manufactured and sold by Briggs & Stratton. It is also assumed that they have been trained in the recommended servicing procedures for these products, which includes the use of mechanics hand tools and any special tools that might be required.

Proper service and repair is important to the safe, economical and reliable operation of all engine driven generators. The troubleshooting, testing, service and repair procedures recommended by Briggs & Stratton and described in this Manual are effective methods of performing such operations. Some of these operations or procedures may require the use of specialized equipment. Such equipment should be used when and as recommended.

We could not possibly know of and advise the service trade of all conceivable procedures or methods by which a service might be performed, nor of any possible hazards and/or results of each procedure or method. We have not undertaken any such wide evaluation. Therefore, anyone who uses a procedure or method not recommended by the manufacturer must first satisfy himself that neither his safety, nor the products safety, will be endangered by the service or operating procedure selected.

All information, illustrations, and specifications contained in this Manual are based on the latest production information available at the time of publication. However, Briggs & Stratton reserves the right to change, alter, or otherwise improve the product at any time without prior notice.

Some components or assemblies of the product described in this Manual may not be considered repairable. Disassembly, repair and reassembly of such components may not be included in this Manual.

Service and repair instructions for the engines used to power these products are not covered in this Manual. Engine service and repair instructions are furnished by the engine manufacturer.

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## GENERAL INFORMATION

This section provides general information about generator rotors and stators, including rotor removal and stator schematics.

### Rotor Removal

A Rotor Removal Kit is available (part number 41079) that provides all the special hardware and tools needed to remove Generac® rotors from tapered engine shafts. Use the kit on units with tapered engine shafts having 5/16" - 24 or 1/4" - 20 internal threads.

Using the kit instructions (repeated below), disassemble the generator to the point necessary for rotor removal (refer to applicable instructions). Then, remove the rotor as follows:

1. Remove the rotor bolt and its washer (Figure I.1).

Figure I.1 — Rotor Assy. Cross-Section

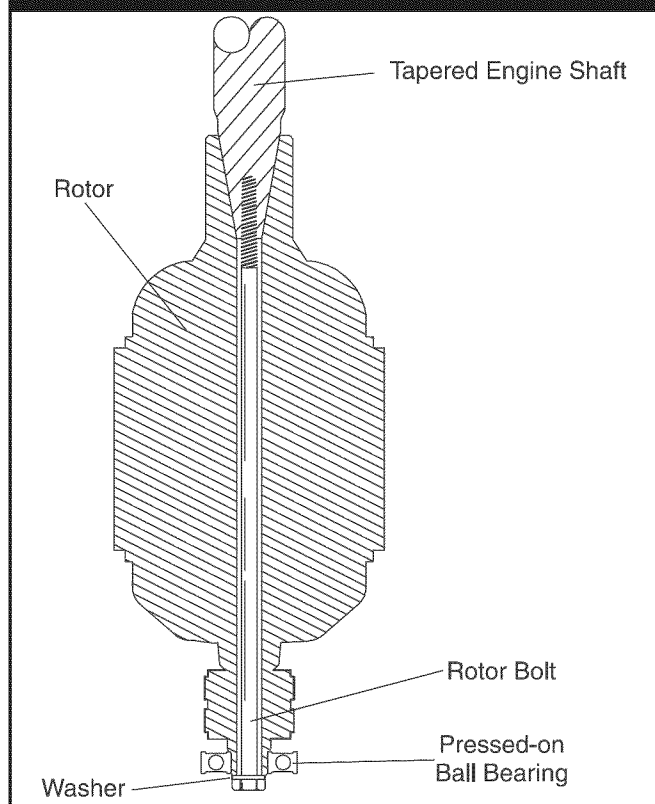
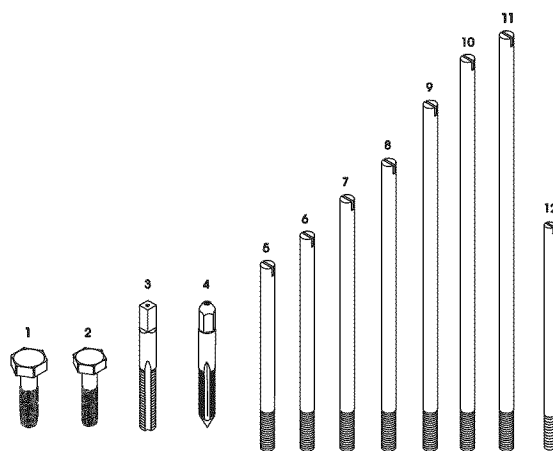


Figure I.2 — Kit 41079 Components

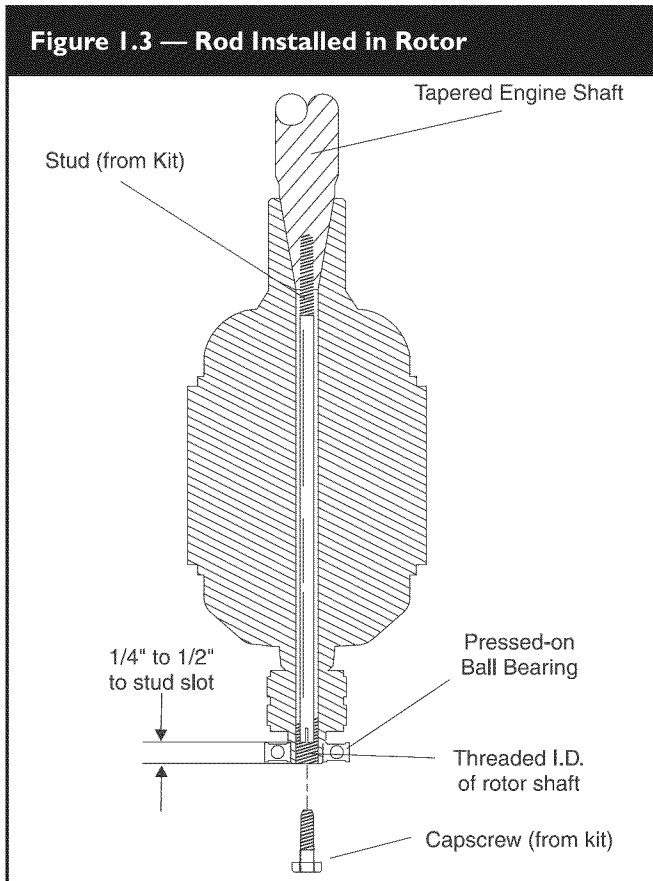


Item	Part #	Qty	Description
1	63184	1	Capscrew, hex head 7/16"-20x1-1/2"
2	49472	1	Capscrew, hex head 3/8"-24x1-1/2"
3	63183	1	Tap, 7/16"-20
4	63182	1	Tap, 3/8"-24
5	63181	1	Stud, 5/16"-24x4-7/8" long
6	63181-F	1	Stud, 5/16"-24x5-1/4" long
7	63181-A	1	Stud, 5/16"-24x5-7/8" long
8	63181-B	1	Stud, 5/16"-24x6-7/8" long
9	63181-E	1	Stud, 5/16"-24x8-7/8" long
10	63181-C	1	Stud, 5/16"-24x10-1/4" long
11	63181-D	1	Stud, 5/16"-24x11" long
12	63181-G	1	Stud, 1/4"-20x5-3/8" long

2. If rotor shaft internal diameter is not threaded, select a tap from the kit as follows:
  - a. If rotor bolt diameter is 1/4 inch, use the 3/8"-24 tap (Figure I.2, item 3) to cut internal threads at bearing end of rotor shaft, as shown in Figure I.3.
  - b. If rotor bolt diameter is 5/16 inch, use the 7/16"-20 tap (Figure I.2, item 4) to cut internal threads at bearing end of rotor shaft.



3. Select a stud from the kit (Figure I.2, items 5 to 12) of the correct length so that when threaded into the tapered engine shaft, its slotted end will be recessed about 1/4 to 1/2 inch into the rotor shaft inner diameter. See Figure I.3.



4. With the stud threaded into the tapered engine shaft, insert a capscrew of appropriate thread pitch (Figure I.2, item 1 or 2) into the threaded I.D. of the rotor shaft. Tighten the capscrew firmly against slotted end of the stud, then strike the head of the capscrew sharply with a hammer.
5. When stud loosens, tighten it again. Continue to tighten and strike with hammer until rotor is free of the tapered engine shaft.
6. Completely remove rotor from tapered engine shaft.
7. Remove capscrew from rotor shaft.
8. Remove stud from tapered engine shaft.

## Stator Schematics

Illustrations in this section are schematic examples of typical stator windings, including (AC) power windings, DPE (Excitation) windings and battery charge windings.

**NOTE:** Different type lead wires have been used over the years. Some were colored with no numbers while others were black with numbers. References to both types are made throughout this book but each stator will have one type or the other - not both. For your reference: Wire 11 is blue, wire 22 is red, wire 44 is grey, wire 6 is red and wire 2 is blue. When testing stator windings, always refer to the electrical schematic for the specific generator model being tested. An index to these drawings is found later in this publication.

A “single voltage” stator power winding is shown in Figure I.4. It usually consists of a single winding, capable of supplying 120VAC only to a panel outlet.

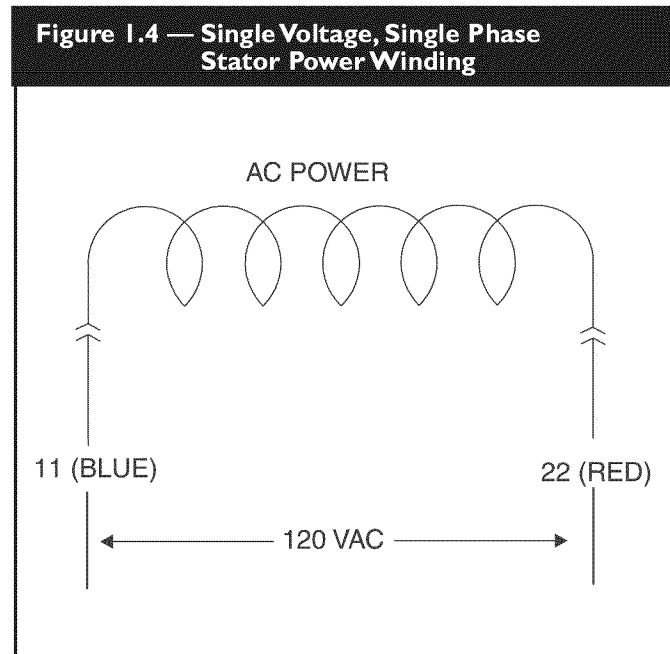
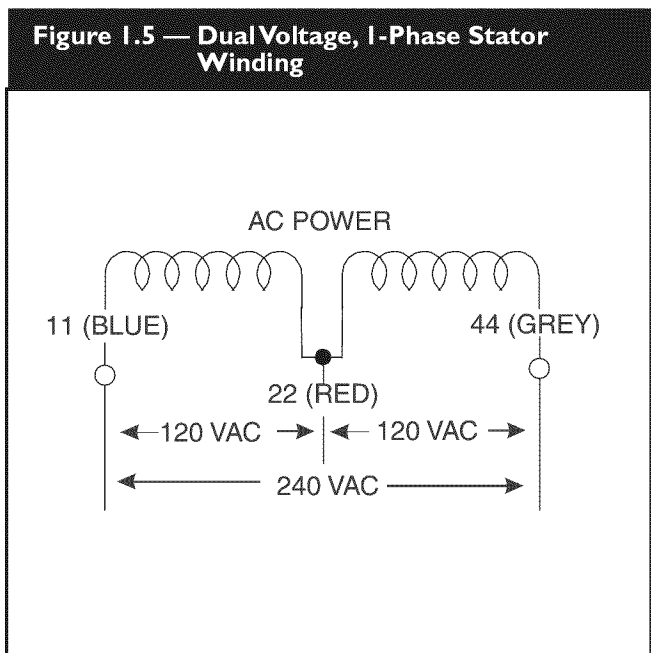
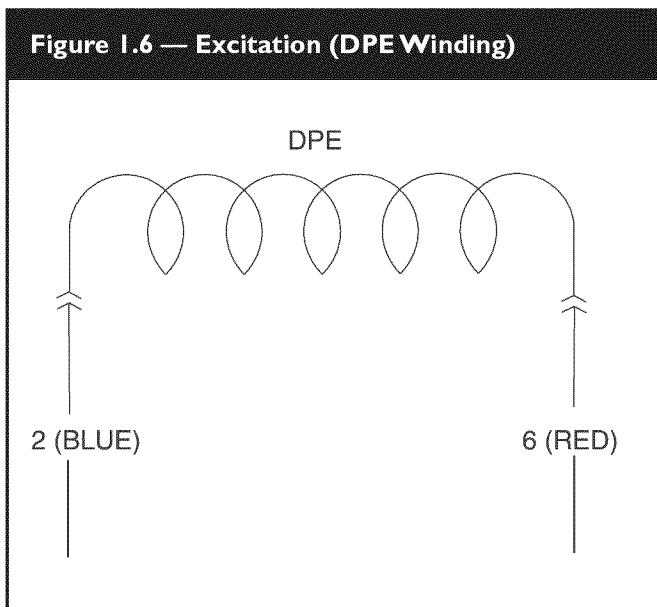




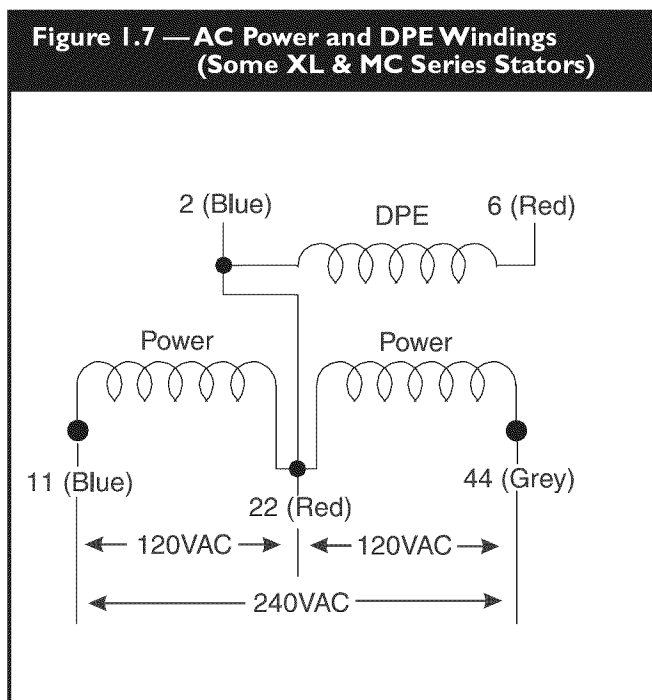
Figure I.5 represents a dual voltage stator (AC) power winding, made up of two windings, to supply a dual output voltage, such as 120 and/or 240VAC.



A typical DPE winding is shown schematically in Figure I.6. (AC) output from this winding is rectified and delivered to the Rotor windings as direct current (DC).

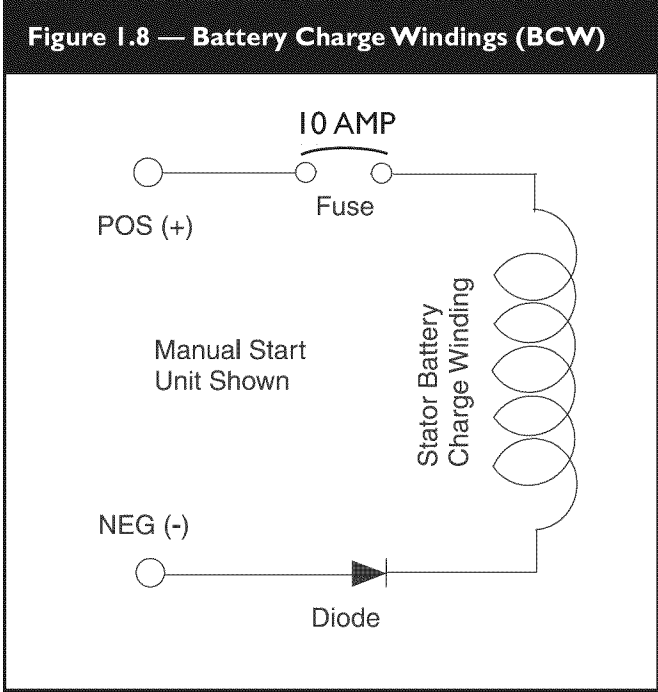


Only “XL” and “MC” Series units are equipped with DPE windings that interconnect with the Stator (AC) power windings. This is shown in Figure I.7.

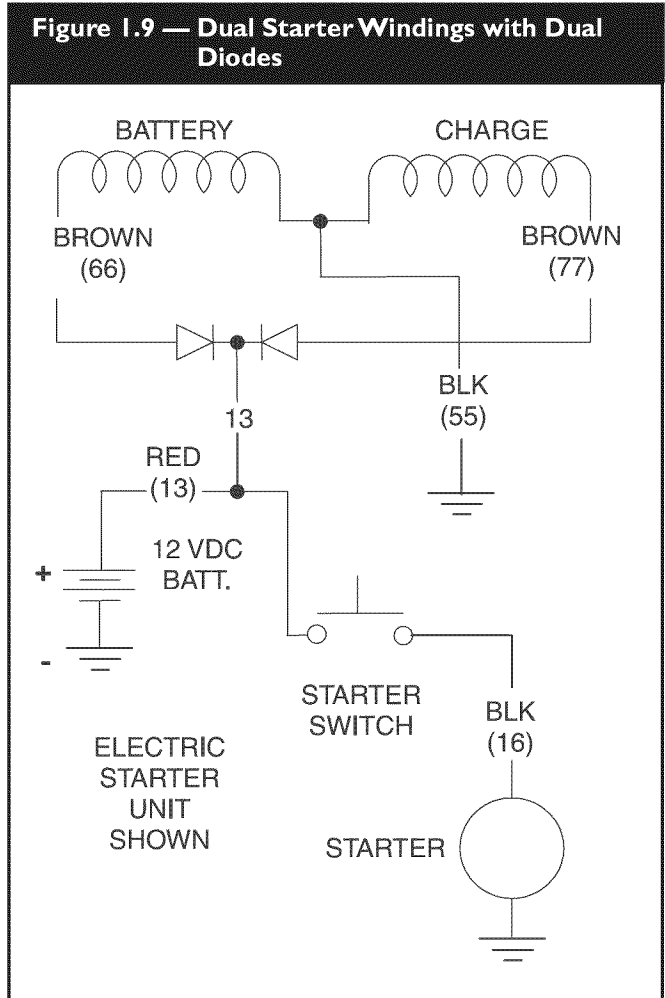


**NOTE:** During tests, this type of stator will show “continuity” between the AC power and DPE windings.

Some early production units were equipped with battery charge windings, as shown in Figure 1.8, consisting of a single winding and a single diode.



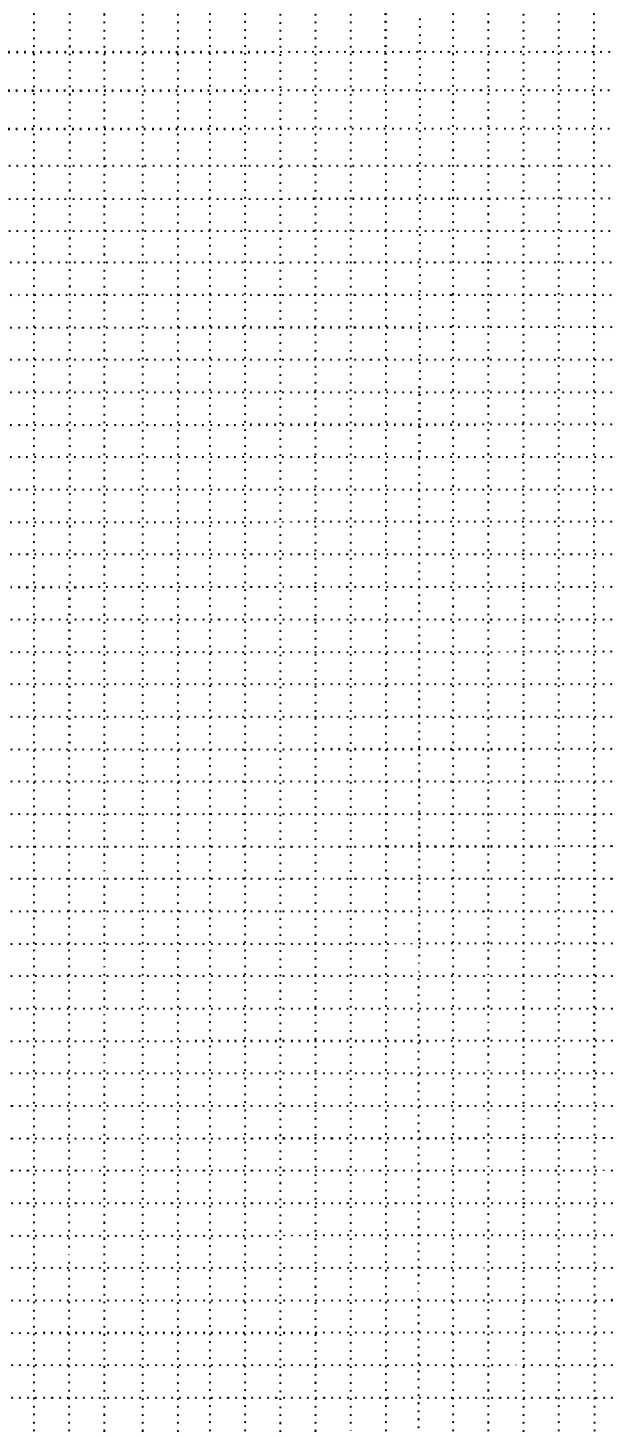
Later battery charge windings are configured as shown in Figure 1.9. These units are equipped with dual stator windings and dual diodes, to provide "full-wave" rectification.



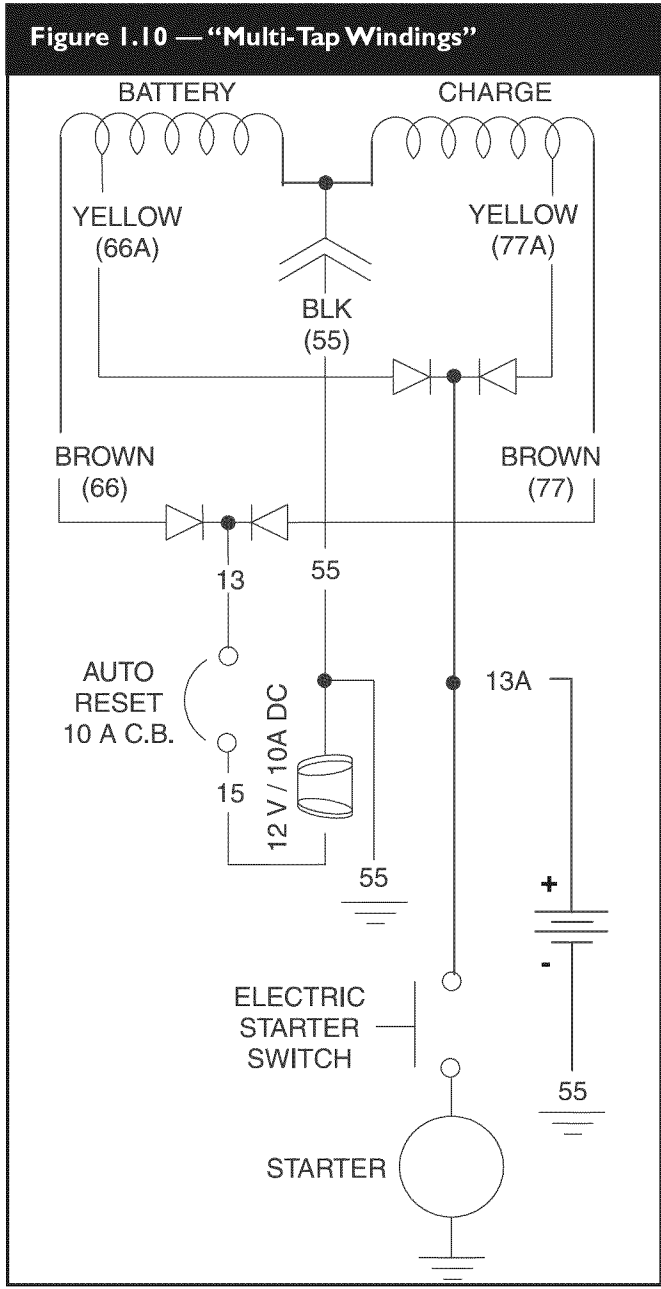


As of this printing, battery charge windings are made up of four “multi-tap” windings, as shown in Figure I.10. Leads 66 and 77 (brown) are used for 12VDC output to a charging receptacle on the unit panel. Leads 66A and 77A (yellow) are used when the winding output is delivered to the generator’s own battery.

# NOTES



General Information





## TROUBLESHOOTING

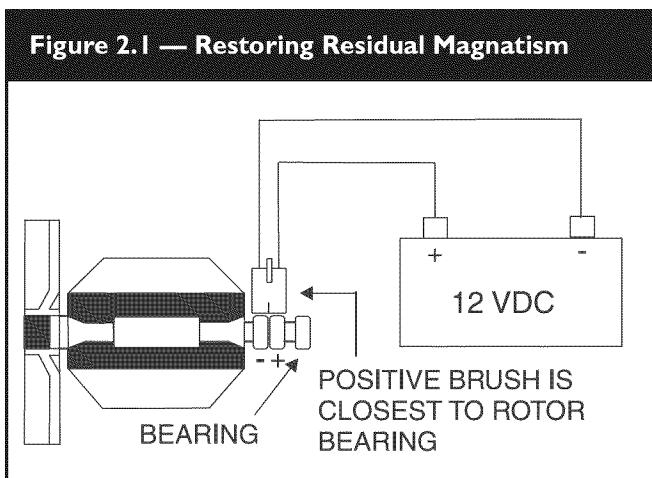
### Restoring Residual Magnetism:

In normal generator operation, upon start-up, there is some “residual” magnetism in the rotor to get the generating process started. Residual magnetism is the magnetism left in the rotor after the unit is shut down. When residual magnetism is lost, the unit will have an output voltage that will remain at zero. If residual magnetism is lost it can usually be restored by “flashing the field” with a simple process involving a (DC) battery.

#### Procedure:

If the unit is equipped with a voltage regulator or a bridge rectifier, flash the field as follows:

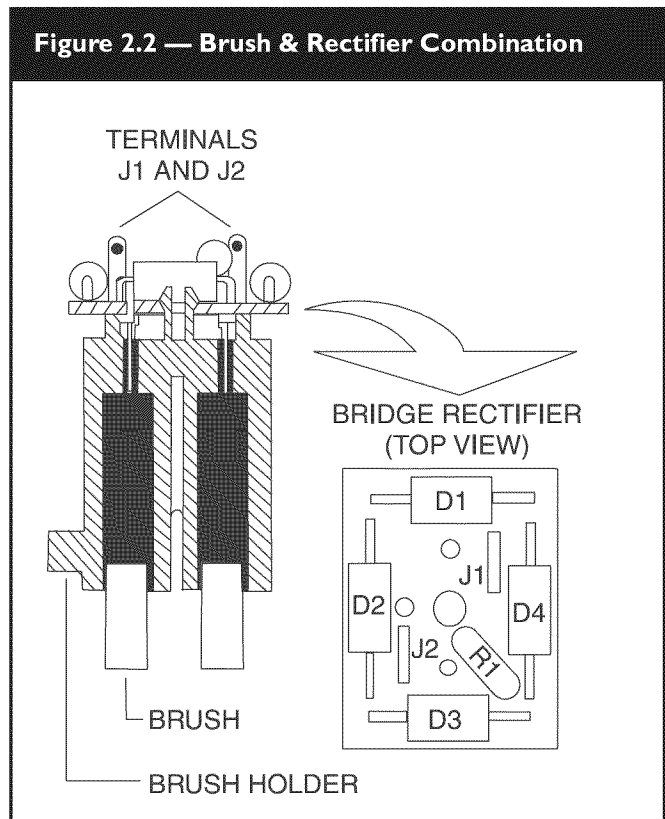
1. Obtain a 12VDC battery and get two jumper leads that can go from the battery terminals to the brushes. Wires with alligator clips work well.
2. Find the brush housing inside the alternator portion of the unit and remove brush wires.
3. Start the engine and get it up to running speed.
4. Connect the battery positive (+), to the positive brush, which will be the brush closest to the rotor bearing. Refer to Figure 2.1.



5. Connect the battery negative (-), to the negative brush, which is the brush farthest away from the rotor bearing.

7. After about five seconds, disconnect the battery wires from the brushes.
8. Shut the engine down, reinstall brush wires. Then restart the unit and check once again for proper (AC) output voltage.

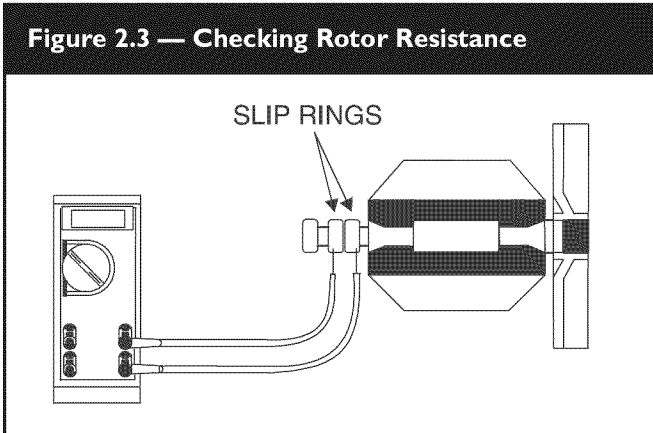
If the unit is equipped with a brush/ bridge rectifier, refer to Figure 2.2 and proceed as follows:



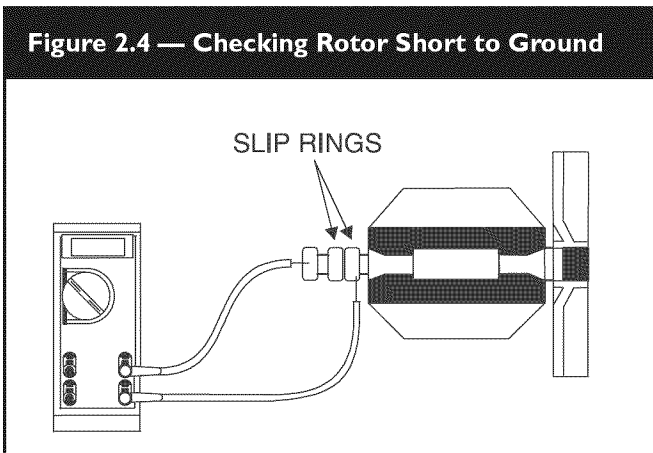
1. Locate the brush/rectifier inside the alternator portion of the unit.
2. Remove the DPE wires (2 & 6 or red and blue) from the rectifier terminals J1 and J2.
3. Start the engine and get it up to running speed.
4. Apply 12VDC across terminals J1 and J2. Polarity is not important.
5. After about five seconds, disconnect the 12VDC from the rectifier, and stop the engine.
6. Reconnect the DPE wires to the rectifier terminals. Wire number 2 (blue) connects to J1 and wire number 6 (red) connects to J2.
7. Restart engine and check for proper (AC).

### Checking Rotor Resistance:

1. Remove the brush assembly.
2. Set the volt-ohm-milliammeter (VOM) to its RX1 scale.
3. Connect the test leads to the rotor slip rings, as shown in Figure 2.3.



4. Measure the rotor resistance and compare it to the nominal resistance value found on the appropriate resistance table entry.  
 A reading of “infinity” or a very high resistance indicates an open circuit or a partially open condition in the rotor windings.  
 A very low resistance indicates a shorted rotor.
5. Set the VOM to its highest ohm scale.
6. Connect one test lead to the rotor shaft and the other test lead to either rotor slip ring, as shown in Figure 2.4.



7. A reading of “infinity” should be measured. A reading other than infinity indicates a rotor winding shorted to the rotor shaft.

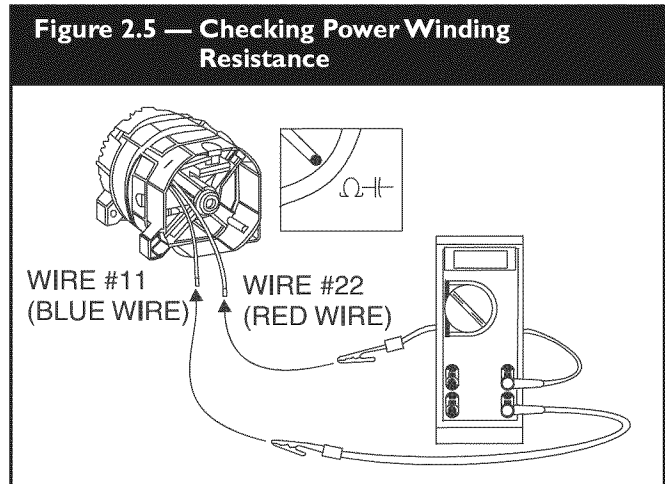
### Checking Stator Windings:

Determine if the stator is a single voltage type with only one winding, or a dual voltage type having two windings. For example: 120VAC only = one winding, 120/ 240VAC = two windings.

**NOTE:** Many resistance specifications are in fractions of an ohm. Unless you have a fractional ohm meter, the reading you measure may not be an accurate reading.

### Testing A Single Voltage Type Power Winding:

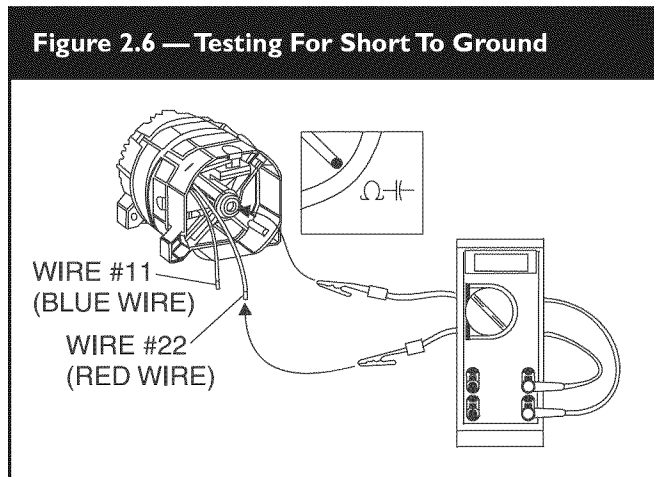
1. Set VOM to the RX1 scale.
2. Connect the meter test leads across the AC power wires (wire #11 and 22 or blue and red wires), as seen in Figure 2.5.



3. Compare the reading to the resistance value found in the appropriate resistance table entry.  
 A reading of infinity or high resistance indicates an open in the stator winding.  
 A low reading indicates a shorted stator winding.
4. Set the VOM to its highest resistance scale.



- Connect one meter test lead to a good ground. Connect the other test lead to the stator power winding, as shown in Figure 2.6.



A reading of infinity should be measured.

A reading other than infinity indicates a stator power winding shorted to ground (defective stator).

### Testing Dual Voltage Type Power Windings:

- Set VOM to the RX1 scale.
- Connect the test leads to the stator wire #11 and #22. Measure the resistance and compare it to the nominal resistance value found in the appropriate resistance table entry.
- Connect the test leads to the stator wire #33 and #44. Measure the resistance and compare it to the nominal resistance value found in the appropriate resistance table entry. Analyze the results the same as in step 3, "Testing Single Voltage Stator Windings."

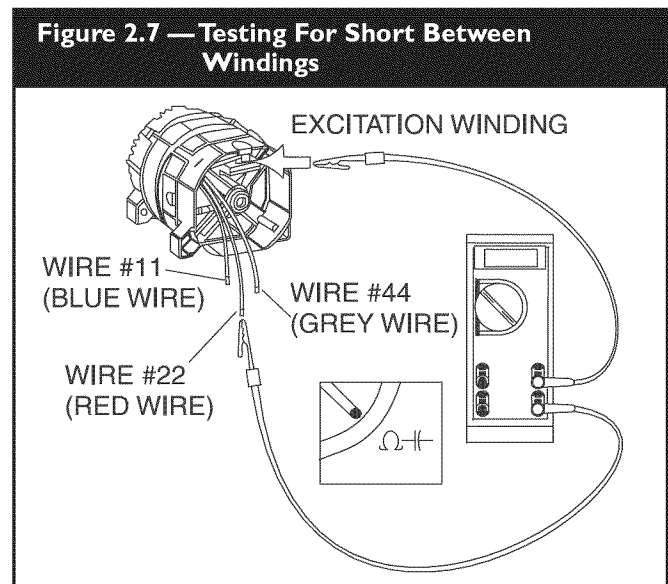
**NOTE:** On some units, wire #22 and #33 may be interconnected to form the neutral connection (see Figure 1.7 on page 5). Thus, you will only have wire 22. Wire 33 will be hidden.

- Testing for a short to ground is the same as testing single voltage stator windings (step 4 through 6 in "Testing Single Voltage Type Power Winding.")


### Testing The Excitation (DPE) Windings:

**NOTE:** The excitation wires may be colored or numbered. The numbered wires are #2 and #6. The colored wires are blue and red. Be sure not to confuse the colored excitation wires with the colored power wires. The excitation wires are the wires connected to the bridge rectifier or voltage regulator.

- Set VOM to its RX1 scale.
- Connect the test leads to the stator excitation wires. Measure the resistance and compare it to the nominal resistance value found in the appropriate resistance table. Analyze the results the same as in step 3 in testing single voltage type power windings, above.
- Set VOM to its highest resistance scale.
- Connect one test lead to a stator power wire. Connect the other test lead to one of the stator excitation wires, as shown in Figure 2.7.



A reading of "infinity" should be measured. A reading other than infinity indicates a power winding shorted to an excitation winding.

 **NOTE:** On units that have two-board regulation, the stator power and excitation windings are connected internally. On these units, a reading of continuity would be a normal condition (see schematic in Figure 1.7 on page 5).

5. Connect one test lead to an excitation wire. Connect the other test lead to a good ground.

A reading of “infinity” should be measured.

A reading other than infinity indicates a winding shorted to ground.


## Battery Charge Windings (BCW):

### General:


Some generators are equipped with stator battery charge windings. These windings deliver an AC output that is rectified, or converted, to DC.

On some models, the DC battery charge current is available to a 12VDC receptacle on the unit panel. A battery charge cable can be plugged into that receptacle for charging 12VDC storage batteries.

Some generator models are equipped with an electric start engine and require a 12VDC battery. On these units the rectified battery charge winding output is delivered to the unit battery during operation.

 **NOTE:** Some generator models may be equipped with stator battery charge windings even if their panel does not include a 12VDC receptacle or if the unit does not have electric start capability. If the stator must be replaced on such units, the 3 or 5 battery charge winding (BCW) leads must be tied down to prevent contact with the rotor. If necessary, the BCW wire ends must be insulated to prevent grounding and/or arcing.

Any one of several types of battery charge windings may be used, as described on page 6.

 **NOTE:** The resistance tables show only two (2) values for multi-tap battery charge windings, because the meter reading differences are minimal, probably undetectable.

## Testing Battery Charge Windings:


1. Set VOM to RXI scale.

If a single winding is used, see Figure 1.8 on page 6.

2. Connect the meter test leads across wires No. 55 and 66. Compare the reading obtained with the resistance value found in the appropriate resistance table entry.

If dual battery charge windings are used (Figure 1.9), take meter readings as follows:

- a. Read across wires No. 55 (black) and 66 (brown).
- b. Read across wires No. 55 (black) and 77 (brown).
- c. Compare the resistance readings obtained with the resistance value found in the appropriate resistance table entry.

 **NOTE:** The resistance table gives only two resistance values for multi-tap battery charge windings, even though there are four (4) windings. The difference in resistance between 55-66A and 55-77A, and the 55-66 and 55-77 is minimal and probably undetectable.



## Bypassing The Voltage Regulator Or Bridge Rectifier Test:

### Test I: — Check Winding Outputs

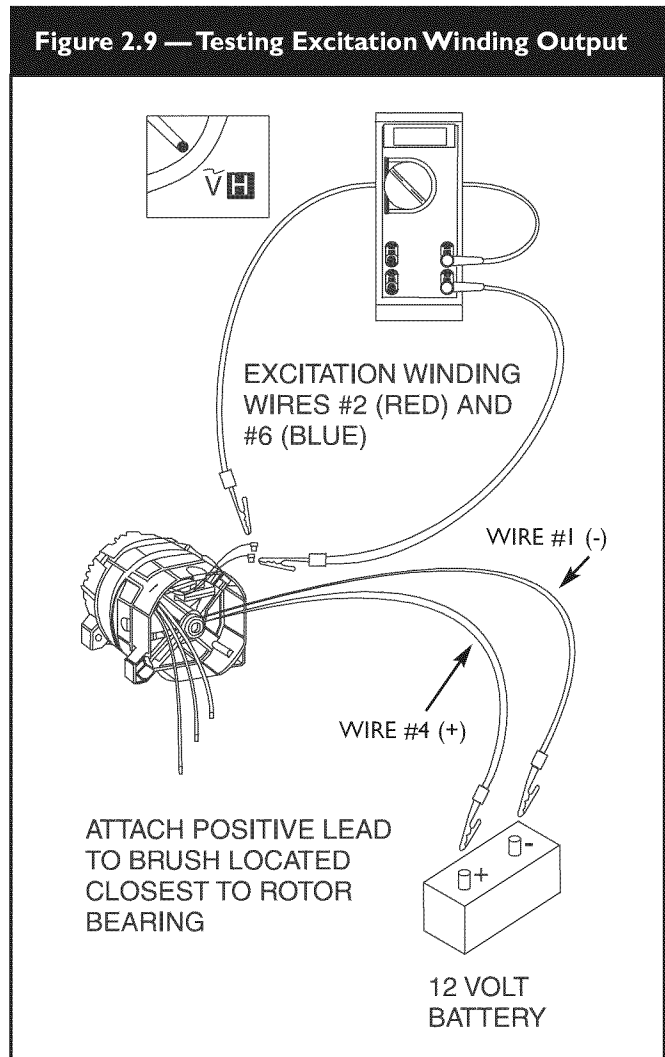
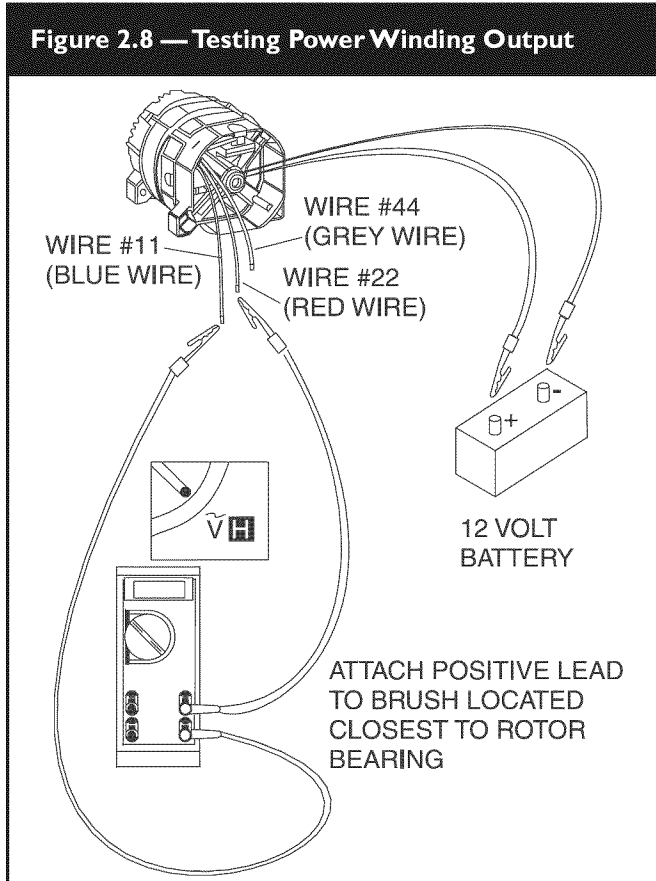
**NOTE:** Bypassing the bridge rectifier and voltage regulator are similar tests, in that six wires are unplugged from the voltage regulator and four are removed from the bridge rectifier. During the bridge rectifier test, you measure (AC) output at the stator power and excitation windings only - there are no sensing wires on a bridge rectifier system.

1. Verify that field flash has taken place (voltage regulator types only). Watch the light on the voltage regulator (if so equipped). If it comes on at all, then field flash has occurred.
2. Disconnect all six wires from the voltage regulator and keep the voltage regulator completely isolated from circuit (See Figure 2.8).

3. Apply 12VDC to the brush wires, normally wires #4 (+), and #1 (-).
4. Isolate the remaining wires so they are not touching each other or the control panel etc.
5. Start the generator.

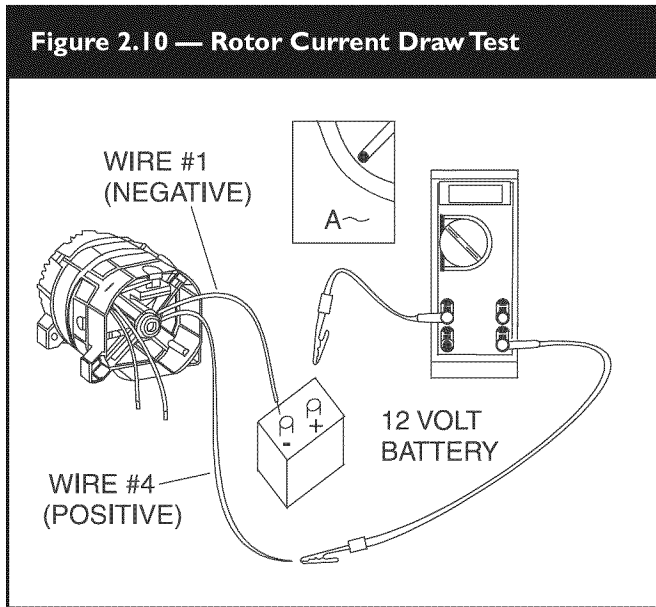
Measure (AC) output across sensing wires #11, and #22 (voltage regulator types only). On bridge rectifier types measure (AC) output at the 120VAC receptacle. At least 60VAC should be measured (it can be higher).

Measure (AC) output across excitation winding wires #2 and #6. At least 60VAC should be measured (it can be higher, see Figure 2.9.)



**Test 2: — Rotor Current Draw Test**

1. Locate the brush wires, normally wires #4 (+) and #1 (-). Isolate the brushes from the bridge rectifier or voltage regulator.
2. Connect a DC amp meter between the positive brush wire #4, and the positive post on a 12VDC battery, as shown in Figure 2.10.



3. Connect a jumper wire from the negative brush wire #1 to the negative battery post (positive brush is located closest to the rotor bearing).
4. Start the engine and monitor the amperage draw. It should not change while the unit is running or is static. The (DC) amp draw will be determined by the specified resistance of the rotor being tested.

To find the desired amp draw:

Voltage divided by resistance equals amperage.

For example, 12VDC divided by a rotor resistance of 24 ohms equals an amp draw of 0.5 amp.

**NOTE:** Actual amp draw may vary slightly due to exact battery voltage, rotor resistance, and meter calibration, etc.

**Test Results:**

Analyze the test results as follows:

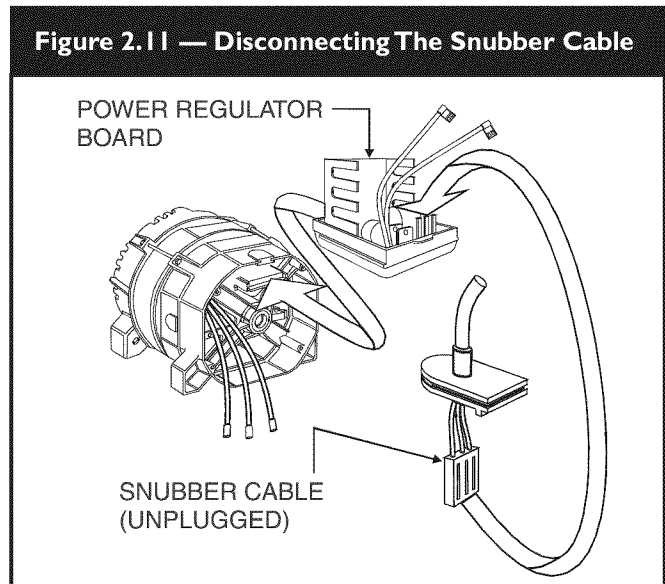
1. If any of the (AC) voltage readings are below 60VAC (it can be higher) and rotor current draw is within specification, the problem is in the stator windings.
2. If the rotor current draw is higher than specified, a flying short exists in the rotor.
3. If current draw is lower than specification, a flying open exists in the rotor.
4. If (AC) output and current draw are within specification, the rotor and stator are ok and the voltage regulator is defective.

**Troubleshooting Generators With Two-Board Regulation For No AC Output:**

This type regulation is found on “XL” and “MC SERIES,” “SEARS DELUXE®,” and some “DAYTON®” generators.

**Test One: — Isolate the System Control Board**

1. Locate the power regulator circuit board inside the rear bearing carrier. This board is similar to the bridge rectifier on certain other models.
2. Disconnect the 3-prong white plastic plug, as shown in Figure 2.11. This is called the snubber feedback cable.



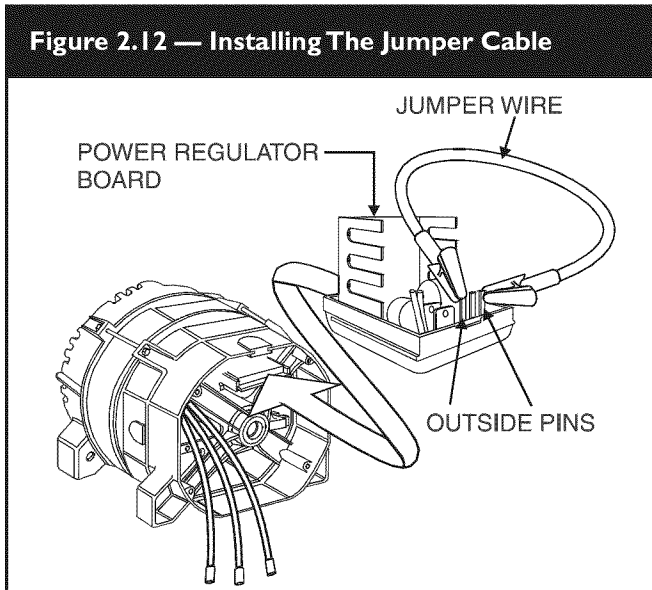
3. Start the engine.
4. Measure the AC output voltage at the AC panel receptacle. Voltage should be between 130-150VAC.

If voltage reading is less than 130VAC, go to Test Two.

If voltage reading is between 130-150VAC;

- a. Connect a jumper wire across the two outside pins of the power regulator board (from where the snubber cable was disconnected), as shown in Figure 2.12.

**Figure 2.12 — Installing The Jumper Cable**



5. Start the engine.
  - a. Measure the voltage at the 120VAC panel receptacle. It should read between: 2 and 10VAC.
 

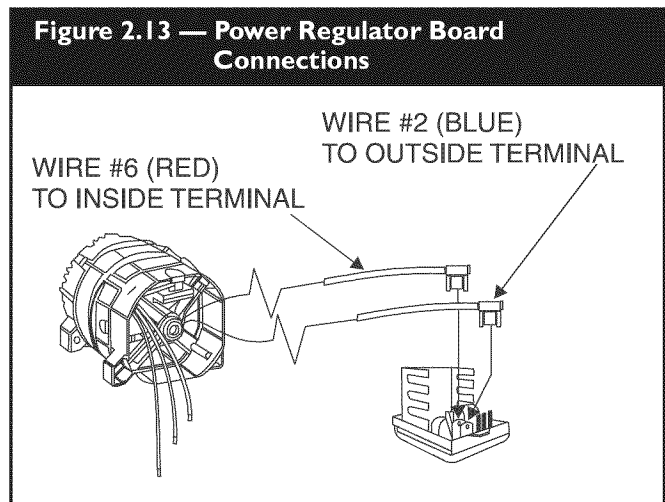
If voltage is less than 10VAC, the failure is in the system control board (located in the control panel).

If voltage is still between 130-150VAC, replace the power regulator board.

### Test Two: — Testing the Excitation Input

**NOTE:** The excitation winding is connected to the stator power winding inside of the stator assembly. A phase relationship exists between the two windings, so the excitation leads must be installed in the correct position on the power regulator board. If the leads are not in the correct position as noted in Figure 2.13, install them correctly. If leads are installed correctly, go to Test Three.

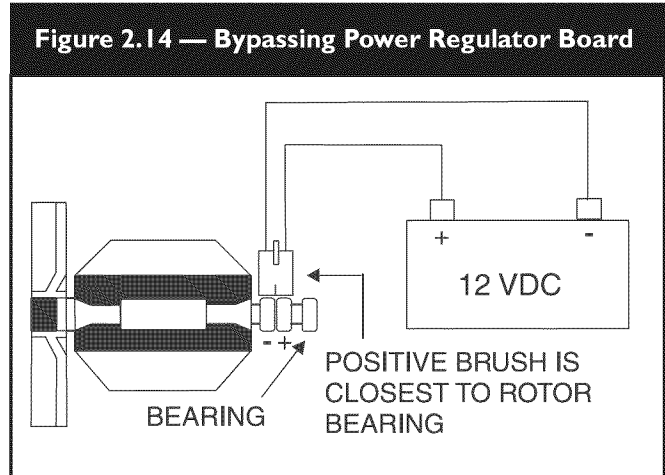
**Figure 2.13 — Power Regulator Board Connections**



### Test Three: — Bypassing the Power Regulator Board

1. Remove the power regulator board and keep it totally isolated from the generator.
2. Connect 12VDC to the brush leads, as shown in Figure 2.14.

**Figure 2.14 — Bypassing Power Regulator Board**





Connect the positive (+) 12VDC battery terminal to the positive (+) brush (nearest the rotor bearing).

Connect the negative(-) 12VDC battery terminal to the negative (-) brush.

3. Start the engine.

Measure the voltage at the excitation leads (red and blue or #2 and #6 wires). At least 60VAC should be measured.

Measure the voltage at the 120VAC receptacle. At least 60VAC should be measured.

- a. If voltage measured at the outlets and the excitation is 60VAC or greater, the rotor and stator windings are O.K. Replace the power regulator board.
- b. If voltage at both the excitation winding and AC outlets is low, there is a failure in the rotor and stator windings. See "Testing The Rotor And Stator" and "Checking The Rotor For Current Draw" section, earlier in this manual.
- c. If the voltage is below 60VAC at the outlets, but above 60VAC at the excitation leads, shut off the engine.

Disconnect the stator power leads in the bearing carrier (wires #11, #22, and #44, or blue, red, and grey wires).

4. Start the engine.

Measure the AC output across wires #11 and #22, or the blue and red wires.

Measure the AC output across wires #44 and #22 or the grey and red wires. If voltage is above 60VAC at the stator power leads but not at the AC outlets, there is a failure in the control panel, such as wiring, circuit breakers, etc. If voltage is below 60VAC at the stator power leads, the failure is in the stator power windings.

NOTES

Dotted grid area for notes.





# GENERAC

Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
0413-0	PP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
0415-0	SV-2400	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	NA
0416-0	SVT4200	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	NA
0417-0	SVP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
0421-0	SVP5000E	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	.07/.07
0435-0	SV4200	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	NA
0455-0	PP5000	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
0633-0	4150XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
1006-0, I	MF6500	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07/.11
1010-0	PP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
1011-0	PP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
1013-0	7500XL	B1342	7.6-9.1	B1341	.20-.25/.20-.25	1.56-1.91	.05-.09/.06-.11
1016-0	MF2500	99687	9.8-12.2	99688	.62-.74/ NA	5.82-7.05	.12-.16/.12-.16
1017-0	7500XL	B1342	7.6-9.1	B1341	.20-.25/.20-.25	1.56-1.91	.05-.09/.06-.11
1019-0, I, 2, 3	7500EXL	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.11
1021-0	6500MF	92679	6.7-8.7	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07/.11
1140-0	PP5000T	74716	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
1140-1	PP5000	B2298	2.04-2.04	B2926	.21	1.51	NA
1140-2	PP5000	B4067A	2.68/2.68	B4070A	.33	1.46	NA
1193-0	M2500	99687	9.8-12.2	99688	.62-.74/ NA	5.82-7.05	.12-.16/.12-.16
1194-0	3000	B2816	18.5-22.4	B2817	.25-.31/ NA	1.97-2.37	NA
1263-0	ET2500	B2998	5.2	B2926	.7	2.3	NA
1277-0	BBPS	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.11
1305-0	4200WATT	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	.07/.07
1306-0	5000CLI-GRD	74716	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	.07/.07
1311-0	3000LT	B2816	18.5-22.4	B2817	.25-.31/ NA	1.97-2.37	NA
1312-0	SVP5000	74716	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	.07/.07
1313-0	3500LVV	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
1314-0	5500LVV	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
1315-0	7500ELVW	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.11
1329-0	SE5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
1338-0, I	9 Kw	B4917	2.95/2.95	B4910	.30/.30	1.1	0.082
1339-0	SE10000	B4917	2.95/2.95	B4910	.30/.30	1.1	0.082
1340-0	5500LVV	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
1356-0	SVP5000T	B4067	2.68	B4070	.33	1.46	NA
1415-0	10000EXL	B4917	2.95	B4910	.30	1.1	0.082
1448-0	6KwMBPS	92679	10.2-12.2	94981	.22-.26/.22-.26	1.49-1.81	.07-.11/.07-.11
1449-0	6KwMBPS	92679	10.2-12.2	94981	.22-.26/.22-.26	1.49-1.89	.07-.11/.07-.11
1461-0	10Kw BPS	B4917	2.95-2.95	B4910	.30-.30	1.1	0.082
1470-0, I	7000EXL	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.011
1535-0	8Kw BPS	B4917	2.95-2.95	B4910	.30-.30	1.1	0.082
1529-0	4Kw EXL	84141	11.9-14.5	187105	.38-.46/.43-.51	2.04-2.41	.12-.14/.12-.14
1532-0	G1000M	187378	4.06	187379	1.01	3.9	0.2
1642-0, I, 2	5500 INTEK	187746	23.4-30.5	187745	.19-.23/.19-.23	1.26-1.5	NA
1643-0	5Kw Half Tnk	91844	24.0-29.0	91859	0.23-0.23	1.26-1.67	NA
1645-0, I	4000EXL	84141	11.9-14.5	187105	.38-.46/.43-.51	2.04-2.41	.12-.14/.12-.14
1646-0, I	5500 INTEK	187746	23.4-30.5	187745	.19-.23/.19-.23	1.26-1.5	NA
1647-0	8Kw B&S	B4917	2.95/2.95	B4910	0.30/0.30	1.1	0.082
1648-0	4500 Honda	91844	24.0-29.0	189540	.23-.28/.28-.34	1.03-1.23	.06-.10/.06-.10



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Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
1649-0	3250 INTEK	188075	20.3-25.3	91838	.17-.20/.33-.39	1.11-1.32	NA
1650-0	10Kw Honda	B4917	2.95-2.95	B4910	0.30/0.30	1.1	0.082
1652-0	4200 Honda	91844	24.0-29.0	91859	0.23-0.23	1.26-1.67	NA
1654-0	5500 INTEK	187746	23.4-30.5	187745	.19-.23/.19-.23	1.26-1.5	NA
1655-0	5500 CSA	187746	23.4-30.5	187745	.19-.23/.19-.23	1.26-1.5	NA
1656-0	4Kw EXL CSA	84141	11.9-14.5	187105	.38-.46/.43-.51	2.04-2.41	.12-.14/.12-.14
1657-0	7Kw EXL CSA	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.011
1658-0	5Kw Hlf Tnk	B2298	2.04-2.04	189752	0.93 / 0.93	1.9	NA
5500-0	T2410	75975	39.2	75970	0.40	2.37	NA
5501-0	T2411	75975	39.2	75970	0.40	2.27	NA
5504-0	T4014	75986	46.4	75985	.41 / .41	2.45	NA
5505-0	T4015	75986	46.4	75985	.41 / .41	2.45	NA
5506-0	T4016	75986	46.4	75985	.41 / .41	2.45	NA
5507-0	T4017	75986	46.4	75985	.41 / .41	2.45	NA
5508-0	T4029	75986	46.4	75985	.41/.41	2.45	NA
5509-0	S2410	74713	24.0	77258	0.34	2.46	0.26
5510-0	S2411	74713	24.0	77258	0.34	2.46	NA
5511-0	S4012	74715	23.7	77259	.36/.36	1.53	NA
5512-0	S4013	74715	23.7	77259	.36/.36	1.53	NA
5513-0.1	S4014	74715	23.7	77259	.36/.36	1.53	NA
5514-0	S4015	74715	23.7	77259	.36/.36	1.53	NA
5516-0	S4016	74715	23.7	77259	.36/.36	1.53	NA
5517-0	S4017	74715	23.7	77259	.36/.36	1.53	NA
5518-0	S4029	74715	23.7	77259	.36/.36	1.53	NA
5521-0	S4014F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5522-0	S4015F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5523-0	S4016F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5524-0	S4017F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5525-0	S4029F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5526-0	S5019F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5527-0	S5020F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5528-0	S5021F	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5529-0	C2410	74713	24.0	77258	0.34	2.46	0.26
5530-0	C2411	74713	24.0	77258	0.34	2.46	0.26
5531-0	C2412	74713	24.0	77258	0.34	2.46	0.26
5532-0	C2413	74713	24.0	77258	0.34	2.46	0.26
5541-0	C4018	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5541-1	C4018	74716	24.0-29.0	79636	.26/.26	1.81	0.11 / 0.19
5542-0	C4019	74716	24.0-29.0	77257	.26/.26	1.81	0.19
5542-1	C4019	74716	24.0-29.0	79636	.26/.26	1.81	0.11 / 0.19
5543-0	C4020	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5544-0	C4021	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5546-0	C4022	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5547-0	C4023	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5548-0	C4024	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5549-0	C4025	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5552-0	C4028	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5553-0	C4029	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5556-0	C4032	74716	24.0-29.0	79636	.26/.26	1.81	0.19

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Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
5557-0	C4033	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5558-0	C4034	74716	24.0-29.0	79636	.26/.26	1.81	0.19
5559-0	C5010	68794	8.4	79805	.28/.20	1.88	0.22
5559-1	C5000	74716	24.0-29.0	79636	.26/.26	1.80	0.1/0.1
5560-0	C5011	68794	8.4	79805	0.28/0.20	1.88	0.22
5561-0	C5012	68794	8.4	79805	.28/.20	1.88	0.14
5561-1	C5000	74716	24.0-29.0	79636	.26/.26	1.8	0.1 /0.1
5563-0,1,2	C8010	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
5564-0,2	C8011	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
5564-1	C8011	77308G	12.3	83224	0.15/0.15	1.72	NA
5565-0,1,2	C8012	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
5566-0,1,2	C8013	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
5567-0,1	S4023	74715G	23.7	77259	0.36/0.36	1.53	NA
5568-0	S4018F	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
5569-0	T4023	75986	46.4	75985	0.41 /0.41	2.45	NA
5570-0	2.4Kw	74713	24.0	77258	0.34	2.46	0.26
5571-0	4.0Kw	74715	23.7	82337	0.36/0.36	1.53	NA
5575-0	C5000	81870	15.5	74716	0.26/0.26	1.8	0.1 /0.1
8479-0	G1450	61798	25.8	61780	0.47	1.50	0.10
8616-0	328220	59625	46.0	58627	.32/.32	1.95	NA
8749-0	H1450	61798	13.5	61780	0.47	1.50	NA
8750-0,1, 2	H2450	59600	37.5	61765	0.40	2.50	NA
8751- 0,1,2	H4050	59625	46.0	61773	0.6/1.2	3.00	NA
8752- 0,1,2	G4050	59625	46.0	61773	0.6 /1.2	3.00	NA
8772-0	G1450	61798	13.5	61780	0.47	1.50	0.10
8773-0	G2450	59600	37.5	61765	0.40	2.50	NA
8834-0	G1000	65772	16.4	65794	1.70	6.40	0.28
8835-0	G1600	65786	22.7	65784	0.52	3.20	0.19
8836-0	G2600	65786A	25.5	66454	0.36	3.75	0.16
8837-0	G4000	65786E	19.4	67205	0.22	3.70	0.10
8838-0	S1000	67239	16.4	67406	1.70	6.40	NA
8839-0	S1500	65786	22.7	67115	0.52	3.20	NA
8839-1	S1500	65786	22.7	67115	0.52	3.20	NA
8840-0	S2400	65786A	25.5	67116	0.30	2.90	NA
8840-1	S2400	68784	36.5	68785	0.30	2.90	NA
8865-0,1,2	L4000	68747	7.4	68749	.25 / .56	2.4	NA
8865-3,4,5	L4000	68748B	48.0	68749D	0.2 / 0.6	1.95	NA
8865-6	L4000	80025G	25.1	72087	0.29	1.50	NA
8865-7	L4000	80026	27.2	72087A	0.16/0.31	1.72	NA
8865-8	L4000	74716	24.0-29.0	77257G	0.26/0.26	1.81	0.19
8866-0,1	L4000E	68748	7.4	68749A	0.26 / 0.56	2.00	0.02
8866-2,3	L4000E	68748B	48.0	68749E	0.25 / 0.56	2.00	0.02
8870-0	S4000	68397	48.0	68703	0.32	2.20	NA
8870-1,2	S4000	68397A	26.2	66851	0.32	2.20	NA
8871-0,1	S4001	68397	48.0	66851	0.32	2.20	NA
8872-0,1	S5000	68794	8.4	68370	0.28	1.75	NA
8876-0,1	L5000	68794	8.4	68749B	0.20/0.28	2.60	NA
8877-0,1	L5000E	68794	8.4	68749C	0.20 / 0.28	2.60	0.20
8882-0	S3000T	68753	23.1	68754	0.2 / 0.6	0.80	0.02
8895-0,1	R4000	68748	7.4	68749	0.25 / 0.56	2.40	NA



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Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
8896-0	R5000	68794	8.4	68749B	0.20/0.28	2.60	NA
8905-0	S4002	68397	48.0	69903A	0.20 / 0.60	2.20	NA
8905-1	S4002	68397A	26.2	69903A	0.20 / 0.60	2.20	NA
8906-0	L2400	68784	36.5	68785	0.40	2.40	NA
8911-0,1	L4001	68748	7.4	68749	0.25/0.56	2.40	NA
8911-2,3	L4001	81870	15.5	72088	0.22/0.43	1.74	NA
8911-4	L4001	74714	14.3	74707	0.22/0.43	2.61	NA
8915-0	L4002	68748B	48.0	68749D	0.20 / 0.60	1.95	NA
8915-1	L4002	80025G	25.1	72087	0.29	1.50	NA
8915-2	L4002	80026	27.2	72087A	0.16	1.72	NA
8915-3	L4002	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
8953-0	H2250	71820	21.8	71822	0.40	2.50	0.12
8954-0	H4000	71821	26.5	71823	0.32	2.10	0.08
8967-0,1	A1400	80022	22.7	72060	0.52	2.35	0.19
8967-2	A1400	74712	20.17	74705	0.76	2.5	0.52
8968-0,1	A2400	80023	25.5	72061	0.30	2.14	0.14
8968-2	A2400	74713	24.0	77258	0.34	2.46	0.26
8969-0,1	A4000	81870	15.5	72062	0.43	1.74	0.10
8969-2	A4000	74714	14.3	77284	0.23	2.61	0.11
8970-0,1	S2400	80023	25.5	70420G	0.30	2.14	NA
8970-2,3	S2400	74713	24.0	74706	0.34	2.46	NA
8971-0,1,2	S4000	80025	25.1	70421	0.29	1.50	NA
8971-3,4	S4000	74715	23.7	74708	0.36	1.53	NA
8972-0,1,2	S4001	80025	25.1	70421	0.29	1.50	NA
8972-3,4	S4001	74715	23.7	74708	0.36	1.53	NA
8973-0,1	S4002	80026	27.2	70422	0.15/0.32	2.32	NA
8973-2,3	S4002	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
8983-0,1	S5002	73056	27.3	73057	0.21	2.32	NA
8983-2,3	S5002	73056	27.3	74738	0.21	1.91	NA
8983-4,5	S5002	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
8992-0	L7500E	59795B	14.5	68898	0.16	0.88	0.15
9014-0	R4002D	81870	15.5	74102	0.22	1.76	NA
9014-1	R4000	74714	14.3	77284	0.23	2.61	NA
9023-0	L4001	81870	15.0	72088	0.22/0.43	1.74	NA
9063-0	L4003	80026	27.2	72087A	0.16	1.72	NA
9063-1	L4003	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9072-0	G3000	74713	24.0	77258	0.34	2.46	0.26
9073-0	G950	65772	16.4	65794	1.70	6.40	0.28
9074-0	G1700	65786	22.7	65784	0.52	3.20	0.19
9075-0	G6000	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9076-0	G7000E	68794	8.4	68749C	0.2 / 0.28	2.60	0.20
9078-0	4.0 kW	68748B	48.0	75487	0.2 / 0.60	0.80	0.02
9079-0	5.0kW	76251	32.0	76252	0.20/0.30	2.0	0.20
9091-0	S4002	80026	27.2	75484	0.17/0.35	1.26	NA
9092-0,1	HD3000	68784	36.5	74172	0.40	2.70	NA
9093-0	HD6000	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9094-0	S2400	74713	24.0	77258	0.34	2.46	0.26
9099-0,1,2	R6000	77572	13.0	77571	0.27	1.81	0.18
9100-0,1,2	R8000	77321	13.0	77218	0.27	1.81	0.18
9101-0,1,2	R8000	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
9101-3	R8000	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6

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Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
9102-0.1	6.0kW	77572	13.0	77571	0.27/0.27	1.80	0.18
9103-0.1	8.0kW	77321	14.5	77218	0.16/0.16	1.3	0.15
9108-0	T2500	75975	39.2	75970	0.40	2.37	NA
9109-0	T4000	75986	46.4	75985	0.41 /0.41	2.45	NA
9111-0	T4001	75986	46.4	75985	0.41 /0.41	2.45	NA
9157-0	L1400	77369	19.2	77383	0.76	2.50	NA
9158-0	L2400	77368	24.0	77382	0.34	2.46	NA
9159-0	L4004	77350	25.8	77354	0.26	1.81	NA
9173-0	S4001	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9184-0	4.0kW	68748	7.4	71757	See Note 1	2.60	0.20
9185-0	T4000	75986	46.4	75985	0.41 /0.41	2.45	NA
9186-0	T4000	75986	46.4	75985	0.41 /0.41	2.45	NA
9214-0	4.0kW	68748	7.4	68749A	0.25/0.56	2.00	0.02
9215-0	5.0kW	68794	8.4	68749C	0.20/0.28	2.60	0.20
9216-1	5.0kW	81870	15.5	83260	0.26/0.29	1.76	0.09
9216-2,3	5.0kW	86553	12.4	86552	0.33/0.33	1.40	0.15
9217-0	2.4 kW	75975	39.2	75970	0.40	2.37	NA
9219-0	EC4000D	81870	15.5	81871	0.41 /0.52	2.95	0.15/0.15
9261-0,1,2	EC6401	77308G	12.6	80806	0.24/0.24	1.59	1.0/1.2
9288-0,1,2	R8000	77308	12.6	77260	0.18/0.18	1.13	0.4/0.6
9288-3	R8000	77308G	12.6	83224	0.18/0.18	1.70	NA
9298-0	T4000	75986	46.4	75985	0.41 /0.41	2.45	NA
9325-0	3.0kW	74716	24.0-29.0	77259	0.36/0.36	1.53	NA
9331-0	M2400	74713G	23.8	82338	0.34	2.46	0.26
9332-0	M4000	74715G	23.7	82337	0.36/0.36	1.53	NA
9333-0	M4000	74715G	23.7	82337	0.36/0.36	1.53	NA
9334-0	M750	65772	16.4	82880	1.70	6.40	0.28
9335-0	4.0kW	74716	24.0-29.0	77257	0.24/0.26	1.80	0.19
9386-0.1	C8011	77308G	12.3	83224	0.15/0.15	1.72	NA
9387-0	S3000	74713	24.0	77258	0.34	2.46	0.26
9397-0	C5032	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9415-0, 1	S2435	74713	24.0	77258	0.34	2.46	0.26
9419-0	S2410	74713	23.8	82338	.34	2.46	.26
9420-0	S4014	74715	23.7	82337	0.36/0.36	1.53	NA
9421-0	C4019	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9423,30 1	C4019	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9429-0	C5000	68794	8.4	79805A	0.20/0.28	1.88	0.14
9429-1	C5000	81870	15.5	83260	0.26/0.26	1.76	0.09/0.09
9430-0	C5036	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9441-1,4,5	3500XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9443-0	HD3000	74713	24.0	77258	0.34	2.46	0.26
9450-0	S5038	74716	24.0-29.0	84925	0.24/0.30	1.67	0.12/0.21
9456-0	S2410	80023	25.5	70420A	.30	2.14	NA
9458-0	S4014	81870	25.8	72062	0.43	1.74	0.11 /0.10
9459-0	S4014	80026	27.2	70422A	0.26/0.26	1.81	0.11 /0.19
9460-0	S4014	80025G	23.49	70421A	0.29	1.5	NA
9477-0	C5032	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9478-0.1	ET2100	80023G	23.8	84292	0.8/0.8	2.74	NA
9479-0.1	HB2100	80023G	23.8	84292	0.8/0.8	2.74	NA
9482-0	G1000	65772	16.4	82880	1.70	6.40	0.28

Note 1: Three Phase Stator Assy. Power = .88/1.31x2



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Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
9486-0	C5030	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9487-0	C5031	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9493-0	ET2100	80023G	23.8	84292	0.8 / 0.8	2.74	NA
9495-0	EC2100	80023G	23.8	84292	0.8/0.8	2.74	NA
9528-0,1	EP5000	74716	24.0-29.0	79636	0.26/0.26	1.80	0.1 /0.1
9530-0	2.4kV	74713	24.0	77258	0.34	2.46	0.26
9538-0,1,2	3000XL	84141	11.9-14.5	86757	0.45 0.57	3.66	0.17/0.17
9539-0,1	3000XL	84141	11.9-14.5	88395	.48-.58/.55-.66	2.05-3.44	.11-.16/.11-.16
9547-0	2500XL	87117	23.8	77258	0.34	2.46	0.26
9551-0	2200XL	88830G	23.8	89398	0.40	2.74	0.28 / 0.28
9663-0	3500XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9672-0	2800XE	88830G	23.8	89664	0.31	2.00	NA
9676-0	S4023	74715	23.7	77259	0.36/0.36	1.53	NA
9692-0	3500XE	84141	11.9-14.5	89664	0.31	2.00	NA
9699-0	3500XLS	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9700-0	EP4600	74716	24.0-29.0	90553	0.27/0.27	1.35	NA
9704-0	3500XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9704-1,2,3	3500XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9716-0	SV2400	74713	24.0	77258	0.34	2.46	0.26
9716-1,2	SV2400	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	NA
9717-2	SV4200	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	NA
9718-0	SVT4200	74715	23.7	77259	0.36/0.36	1.53	NA
9718-1,2	SVT4200	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	NA
9719-0	SVP5000	74716	24.0-29.0	79636	0.26/0.26	1.80	0.1/0.1
9719-1,2,3	SVP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
9720-0	SVL5000	74716	24.0-29.0	84925	0.24/0.30	1.67	0.12/0.20
9720-1,2	SVT5000	91844	24.0-29.0	93585	.23-.29/.24-.34	1.26-1.53	NA
9749-4	ET1500	B2998B	3.9	B2926B	2.1	4.9	NA
9753-0	4000XL	84141	11.9-14.5	88395	.48-.58/.55-.66	2.05-3.44	.11-.16/.11-.16
9777-0,1,2,3	4000XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9778-0,1, 2,3,4,5,6	5500XL	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
9779-0,1,2,3	6500XL	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07/.11
9780-0,1	8000XL	92553	8.6	92350	0.18 / 0.18	2.36	0.05 / 0.05
9781-0,1	10000XL	92381	14.8	92382	0.13/0.13	1.70	1.75
9794-0,1, 2	3250XP	94997	20.8	94996	0.36	1.20	NA
9795-0,1	5500XEP	95891	17.7	95892	0.15/0.15	1.00	NA
9797-0,1,2,3, 4	5500EXL	92678	9.3-12.0	94980	.25-.32/.28-.35	1.93-2.37	.08-.12/.08-.12
9798-0,1	6500EXL	92679	10.2-12.2	94981	.21-.26/.21-.26	1.49-1.81	.07-.11/.07-.11
9799-0,1	SVP5000E	91844	24.0-29.0	93437	.23-.29/.24-.34	1.02-1.53	.05-.10/.05-.10
9800-0,1	8000EXL	92553	8.6	94982	0.20 / 0.20	1.48	0.04 / 0.03
9801-0,1,2,3,4	10000EXL	92381	14.8	94983	0.148/0.148	1.70	.175
9801-5, 6, 7	10000EXL	B4917	2.95-2.95	B4910	.30-.30	1.1	0.082
9802-0,1	4000MC	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9803-0,1,2	5500MC	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
9805-0,1	6500MC	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07/.11
9807-0,1,2	8000MC	92553	8.6	92350	0.18/0.18	1.48	0.05/0.05
9809-0,1	10000MC	92381	14.8	92382	0.13/0.13	1.70	1.75
9816-0	4000XL	84141	11.9-14.5	88395	.48-.58/.55-.66	2.05-3.44	.11-.16/.11-.16

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Rotor Resistance				Stator Resistance			
Model	Unit	Part No.	OHMs	Part No.	Power	DPE	BCW
9816-0	4000XL	84141	11.9-14.5	88395	.48-.58/.55-.66	2.05-3.44	.11-.16/.11-.16
9817-0	4000XL	84141	11.9-14.5	88395	.48-.58/.55-.66	2.05-3.44	.12-.14/.12-.14
9827-0,1	4Kw (Troy)	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.14-.19/.16-.21
9828-0	6Kw (Troy)	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07-.11
9829-0	2.4Kw	74713	23.83	77258	0.33	2.59	0.27
9829-1	2.4Kw	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	NA
9830-0	4.2Kw	74715	22.15	77259	0.36	1.53	NA
9830-1	4.2Kw	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	NA
9831-0	5.0Kw	74716	24.0-29.0	84925	0.24/0.30	1.67	NA
9831-1	5.0Kw	91844	24.0-29.0	93585	.23-.29/.24-.34	1.26-1.53	NA
F09836-0	3600XP	B5231	2.36	B5232	0.50/0.50	2.34	NA
9836-0,1	3500XEP	95876	20.3-25.3	95871	0.34/0.34	1.60	0.20/0.20
9855-0,1	1850W	93705	19.2-24.8	93706	.78-.93/ NA	2.09-3.54	.19-.40/.19-.40
9856-0	PP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
9870-0	SVP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
9878-0, 1	4000XL	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9879-0	1.5Kw	93705	19.2-24.8	93706	.78-.93/ NA	2.09-3.54	.19-.40/.19-.40
9880-0,1,2	3250XE	94997	20.8	94996	0.36 / 0.36	1.20	1.20
9882-0	SV2400	91820	19.5-23.7	96389	.32-.39/ NA	2.24-2.71	NA
9883-0	SVP4200	91836	21.0-27.2	96381	.33-.39/.33-.39	1.07-1.32	NA
9884-0	SVP5000	91844	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	NA
9885-0,1,2,3	5500XL	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
9886-0,1,2	8000XL	92553	8.6	92350	0.18 / 0.18	1.89	0.05 / 0.05
9903-0,1	6500XL	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07/.11
9904-0,1	10000XL	92381	14.8	92382	0.13/0.13	1.70	1.75



# CRAFTSMAN®

Rotor Resistance				Stator Resistance			
Sears	Generac	Part #	OHMs	Part #	Power	DPE	BCW
	9174-0	74716	24.0-29.0	77257	0.26/0.26	1.80	0.19
32670	0451-0	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	N/A
32672	0452-0	84141	11.9-14.5	91838	.33-.39/.33-.39	1.07-1.42	N/A
32674	0453-0	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
32676	9855-0, 1	93705	19.2-24.8	93706	.78-.93/ NA	2.09-3.54	.19-.40/.19-.40
32678	9718-0	74715	23.7	77259	0.36/0.36	1.53	N/A
32678	9718-1, 2	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	N/A
32682	9801-0, 1	92381	14.8	94983	.148/.148	1.70	.17/.15
32839	9785-0, 1	92553	8.6	94982	0.20/0.20	1.48	0.03/0.04
326970	9446-0	74713	24.0	77258	0.34	2.46	0.26
326971	9446-1	74713	24.0	77258	0.34	2.46	0.26
326980	9447-0	74715	22.2	84454	0.34/0.34	1.61	N/A
326990	1033-0	74716	24.0-29.0	91859	.23-.29/.24-.34	1.26-1.67	N/A
327020	9450-0	74716	24.0-29.0	84925	0.24/0.30	1.67	0.12/0.21
327030	9083-0	61798	13.5	63128	0.47	1.50	0.10
327031	9083-1	61798	13.5	63128	0.47	1.50	0.10
327040	9084-0	74713	24.0	77258	0.34	2.46	0.26
327050	9085-0	68397A	26.2	75948	0.20/0.60	2.11	0.14
327051	9085-1	68397A	26.2	75948	0.20/0.60	2.11	0.14
327052	9085-2	74714	14.3	77284	0.23/0.47	2.61	0.11/0.19
327053	9085-3	74714	14.3	82875	0.23/0.47	2.61	0.11/0.19
327054	9085-4	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11/0.19
327060	9086-0	68397A	26.2	76256	0.32/0.32	2.11	N/A
327070	9162-0	77321	12.6	77218	0.16/0.16	1.33	0.15
327070	9289-0	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
327071	9162-1	77321	12.6	77218	0.16/0.16	1.33	0.15
327071	9289-1	77308G	12.6	83224	0.18/0.18	1.70	N/A
327071	9784-0, 1	92553G	8.6	92350	0.18/0.18	1.89	0.05/0.05
327072	9162-2	78389	14.5	77218	0.16/0.16	1.30	0.15
327073	9289-2	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
327075	9289-3	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
327100	9218-0	78995	26.5	78996	0.32/0.32	2.10	N/A
327101	9218-1	74715	23.7	77259	0.36/0.36	1.53	N/A
327112	1149-0	91844	24.0-29.0	93585	.23-.29/.24-.34	1.26-1.53	N/A
327120	1187-0	91820	19.5-23.7	B2413	.32-.39/ NA	2.20-2.71	.18-.22/.18-.24
327130	1188-0	84141	11.9-14.5	91838	.33-.39/.33-.39	1.07-1.42	N/A
327140	1189-0	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
327150	9296-0	75975	39.2	75970	0.40	2.37	N/A
327151	9296-1	74713	24.0	77258	0.34	2.46	0.26
327152	1150-0	74716	24.0-29.0	93537	.24-.28/.24-.28	1.00-1.22	.07/.07
327160	1190-0	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
327161	9450-1	74716	24.0-29.0	84925	0.24/0.30	1.67	0.12/0.21
327181	1020-0	B1342	7.6-9.1	B1897	.20-.25/.20-.25	1.56-1.91	.05-.09/.07-.11
327183	9067-3	73163	12.6	73167	0.16/0.16	1.09	0.06
327190	10KW NG	76051	9.4	76052	0.14/0.14	0.73	N/A
327200	10KW NG	76051A	9.4	76062	0.14/0.14	0.73	N/A
327201	1191-0	92381	14.8	94983	.148/.148	1.7	.17/.15
327230	20KW NG	75574A	8.4	75575	0.05/0.05	0.50	N/A
327240	20KW NG	75574	8.4	75575	0.05/0.05	0.50	N/A

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# CRAFTSMAN®

Rotor Resistance				Stator Resistance			
Sears	Generac	Part #	OHMs	Part #	Power	DPE	BCW
327250,1,2,3	9514-0,1,2,3	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
327270	0630-0	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	N/A
327280,1,2,3,4,5	9782-0,1,2,3,4	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
327290,1	9783-0,1	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07-.11
327700	0647-0	99687	9.8-12.2	99688	.62-.74/ NA	5.82-7.05	.12-.16/.12-.16
327750	1170-0	91820	19.5-23.7	B2413	.32-.39/ NA	2.20-2.71	.18-.22/.18-.24
328160	8759-0	63016	16.0	63017	1.10	1.32	0.22
328170	8760-0	61798	13.5	63128	0.47	1.50	0.10
328171	8760-1,2	59600	37.5	63114	0.40	2.50	0.12
328180	8761-0	59600	37.5	63114	0.40	2.50	0.12
328181	8747-0	59600	37.5	63114	0.40	2.50	0.12
328182	8746-0	59600	37.5	59602	0.40	2.50 -	N/A
328182	8746-1	59600	37.5	63114	0.40	2.50	0.12
328183	8761-1	59600	37.5	63114	0.40	2.50	0.12
328190,1,2	8762-0,1,2	59625	46.0	63120	0.32/0.32	1.95	0.08
328210	8615-0	59600	37.5	59602	0.40	2.50	N/A
328220	8916-0	59625	46.0	59627	0.32/0.32	1.95	N/A
328231	8647-0,1	44391J	16.3	4496IU	0.50/0.50	1.80	0.08
328240	8648-0	44391K	17.9	4496IV	0.40/0.40	1.30	0.10
328250	8649-0	44391S	21.4	4496IW	0.28/0.28	1.20	0.08
328251	8649-1	44391S	21.4	4496IW	0.28/0.28	1.20	0.08
328260	8650-0	59795	19.4	50922	.33/.33	1.20	0.07
328300	1335-0,1	B4917	2.95	B4910	.03	1.1	0.082
328310	8844-0	65772	16.2	65794	1.70	6.40	0.28
328320	8845-0	65786	22.7	65784	0.52	3.20	0.19
328321	8964-1	80022	22.7	72060	0.52	2.35	0.19
328330	8846-0	65786A	25.	2061	0.30	2.14	0.14
328331	8965-0	80023	25.5	72061	0.30	2.14	0.14
328331	8965-1	80023	25.5	72061	0.30	2.14	0.14
328332	8965-2	74713	24.0	77258	0.34	2.46	0.26
328340	8847-0	65786E	19.4	67205	0.22/0.43	3.68	0.10
328341	8966-0	80024	15.0	72062	0.22/0.43	1.76	0.13
328341	8966-1	81870	15.5	72062	0.22/0.43	1.76	0.13
328342	8966-2	74714	14.3	77284	0.23/0.47	2.61	0.11
328350	8892-0	68794	8.4	68749	0.28/0.20	1.88	0.20
328350	9451-0	81870	15.5	83260	0.26/0.26	1.76	0.09/0.09
328351	8892-1	68794	8.4	68749	0.20/0.28	2.6	0.20
328360	8893-0	59795A	14.5	68898	0.16/0.16	0.88	0.15
328390,1,2	9374-0,1,2	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
328390,1 (1995)	9785-0,1	92553	8.6	94982	0.20/0.20	1.48	0.04/0.03
328450	9024-0	73056	27.3	74738	0.21/0.21	1.91	N/A
328451	9024-1	80026	27.2	74738	0.21/0.21	1.91	N/A
328452	9024-2	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
328910	8495-0	56139	17.9	56140	0.40/0.40	1.30	0.10
328920	8496-0	B57473	4.6	58313	0.27/0.27	1.87	N/A



# CRAFTSMAN®

Rotor Resistance				Stator Resistance			
Sears	Generac	Part #	OHMs	Part #	Power	DPE	BCW
328930	8497-0	B57473	4.6	57836	0.11/0.11	1.00	N/A
329100	1533-0	187378	4.06	187379	1.01	3.9	0.2
329120	1523-0	B2816	18.5-22.4	186953	.25-.30	2.0-2.37	.18-.20/.14-.18
329130	1524-0	95876	20.3-25.3	187151	.33-.39/.33-.39	1.11-1.32	N/A
329140	1525-0	84141	11.9-14.5	187105	.38-.46/.43-.51	2.04-2.41	.12-.14/.12-.14
329160	1526-0	92679	10.2-12.2	92681	.22-.26/.22-.26	1.49-1.81	.07-.11/.07-.11
329180	1527-0	B1342	7.6-9.1	B1897	.20-.25-.20-.25	1.56-1.86	.05-.09/.07-.11
329210	8205-0	44391T	44.8	44961	0.40/0.40	1.30	0.10
329610	8259-0	44391B	15.4	44961T	0.47	2.60	0.10
329620	8260-0	44391D	17.9	44961V	0.40/0.40	1.30	0.10
329630	8261-0	44391D	17.9	44961V	0.40/0.40	1.30	0.10
329640	8262-0	44391D	17.9	44961V	0.40/0.40	1.30	0.10
329650	8263-0	44391E	21.4	44961VV	0.28/0.28	1.20	0.08
675010	9114-0	61798	13.5	63128	0.47	1.50	0.10
675011	9114-1	61798	13.5	63128	0.47	1.50	0.10
675020	9115-0	74713	24.0	74706	0.34	2.46	0.26
675030	9116-0	68397A	26.2	75948	0.20	2.11	0.14
675031	9116-1	69397A	26.2	75948	0.20	2.11	0.14
676420, I	0566-0, I	91836	22.15	96381	.33-.39/.33-.39	1.07-1.32	N/A
676551	0567-0, I	92678	9.3-12.0	92680	.26-.32/.28-.35	2.26-2.80	.08-.12/.08-.12
678200	1133-0	99687J	9.8-12.2	99688	.62-.74/ NA	5.82-7.05	.12-.16/.12-.16
678241	1134-0	91820	19.5-23.7	96389	.32-.39/ NA	2.24-2.71	N/A
678420	1135-0, I	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14

CRAFTSMAN



# Dayton

Rotor Resistance				Stator Resistance			
Generac	Dayton	Part No.	OHMs	Part No.	Power	DPE	BCW
8916-0	5W260	67404	15.4	67406	1.70	6.40	N/A
8917-0	5W261	71745	19.5	70712	0.46	1.55	0.26
8918-0	5W262	71746	22.0	70717	0.39	1.83	0.18
8919-0, 1	4W108/A	71747	26.5	70720	0.32	2.10	0.12
8920-0, 1	4W109/A	68794	8.4	70726	0.28	1.75	0.14
8921-0	5W263	68784	36.5	68785A	0.40	2.40	N/A
8922-0	4W110	68748	7.4	68749A	0.25/0.56	2.00	0.20
8923-0	4W112	68794	8.4	68749C	0.20/0.28	21.60	0.20
8924-0, 1	4W113	59795B	14.5	68898	0.16/0.16	0.88	0.15
8925-0	4W111	68748	7.4	71757	0.50/1.3	2.60	0.20
8926-0	4W114	68748	7.4	68749	0.25/0.56	2.40	N/A
8927-0	4W116	68794	8.4	68749B	0.20/0.28	2.60	N/A
8928-0	4W115	80024	15.0	74102	0.43	1.74	0.10
8928-1	4W115A	74714	14.3	77284	.23/.47	2.61	0.11
9160-0	4W115A	81870	15.5	77243	0.22/0.43	1.76	0.09
9160-1	4W115B	81870	15.5	83260	0.26/0.26	1.76	.09/.09
9160-2	4W115C	86554	12.4	86552	0.33/0.33	1.40	0.15
9160-3	4W113D	86553	12.4	86552	0.33/0.33	1.40	0.15
9163-0, 1	4W113A	77308	12.6	77260	0.18/0.18	1.13	0.4/0.6
9163-2	4W113D	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
9175-0	4W556	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9307-0	5W963	89582G	23.8	89835	0.33	2.60	N/A
9307-1	5W963A	94939G	23.8	94941	0.33	2.60	N/A
9308-0	5W964	89798G	22.1	77259	0.36/0.36	1.53	N/A
9308-1	5W964A	94940G	22.1	94938	0.34/0.34	1.35	N/A
9320-0,1	3ZC11	74713	24.0	77258	0.34	2.46	0.26
9320-2	3ZC11B	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	N/A
9321-0, 1	3ZC12/A	74715	23.7	77259	0.36/0.36	1.53	N/A
9322-0	3ZC13	74716	24.0-29.0	77257	0.26/0.26	1.81	0.19
9325-0	3ZC14	74715	23.7	77259	0.36/0.36	1.53	N/A
9396-0	3ZC39	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11/0.19
9404-1	3ZC40A	77308G	12.6	77260	0.18/0.18	1.13	0.4/0.6
9431-0	3W793	74712G	20.2	83992	0.76	2.50	0.52
9432-0	3W794	74713G	23.8	83993	0.31	2.59	0.27/0.27
9433-0	3W795	74715	23.7	84272	0.34/0.34	1.61	0.14/0.24
9434-0	3W796	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11 /0.19
9435-0	3W741	74715G	22.2	84272	0.34/0.34	1.61	0.14/0.24
9436-0	3W742	74716	24.0-29.0	79636	0.26/0.26	1.81	0.11/0.19
9437-0	4W110	74714	13.7	84589	0.23/0.47	2.61	0.11/0.19
9438-0	4W112	81870	15.5	83260	0.26/0.26	1.76	0.09/0.09
9439-0	3W740	65786	22.7	65784	.52	3.20	.19
9520-2	3ZC11B	91820	19.5-23.7	91824	.33-.42/ NA	2.24-3.05	N/A
9540-0	3W953	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9540-1, 2	3W953A,B	84141	11.9-14.5	83540	.38-.51/.42-.51	1.83-2.41	.12-.14/.12-.14
9569-2	3ZC12D	91836	21.0-27.2	91838	.33-.39/.33-.39	1.07-1.42	N/A
9570-2	3ZC13C	91844	24.0-29.0	93585	.23-.29/.24-.34	1.26-1.53	N/A
9578-0	3W795	74715	23.7	84272	0.34/0.34	1.60	0.1/0.1



# Dayton

Rotor Resistance				Stator Resistance			
Generac	Dayton	Part No.	OHMs	Part No.	Power	DPE	BCW
9578-1	3W795B	91836	21.0-27.2	95343	.33-.39/.33-.39	1.07-1.32	.17-.21/.15-.19
9579-0	3W796	74716	24.0-29.0	79636	0.26/0.26	1.80	0.1/0.1
9579-1	3W796B	91844	25.6-33.3	95342	.24-.31/.24-.31	1.58-2.05	.08-.11/.10-.14
9580-0	3W741	74715G	23.7	84272	0.34/0.34	1.60	0.1/0.1
9580-1	3W741B	91836	21.0-27.2	96658	.33-.39	1.41-1.68	.12-.16/.09-.13
9651-0	5W965	89810G	12.3	90106	0.18/0.18	1.70	N/A
9651-1	5W965A	94853	12.3	90106	0.18/0.18	1.70	N/A
9860-0, 1	1N166	92678	9.3-12.0	94984	.27/.27	2.34	.07/.07
9861-0, 1	1N167	92679	10.2-12.2	94985	.19/.19	1.54	.06/.05
9862-0, 1	1N168	92553	8.6	94986	.20/.20	1.48	.03/.03
9863-0	1N169	92381	14.8	94987	.14/.14	1.70	.15/.15
9864-0	1N170	93705	19.2-24.8	93706	.78-.93/ NA	2.09-3.54	.19-.40/.19-.40
9868-0	1N171	86553	12.4	86552	0.33/0.33	1.40	0.15





<b>Generac Wiring Index</b>			
<b>Model</b>	<b>Generac Unit</b>	<b>Dayton Unit</b>	<b>Drawing #</b>
0413-0	PP5000		93441
0415-0	SV2400		93438
0416-0	SVT4200		93439
0417-0	SVP5000		93441
0421-0	SVP5000E		93442
0435-0	SV4200		93439
0455-0	PP5000CSA		96605
0633-0	4150XL		84249
0810-0	SVP5000E		93442
1006-0,1	MF6500		92709
1010-0	PP5000		93441
1011-0	PP5000		93441
1013-0	7500XL		B1412
1016-0	MF2500		99697
1017-0	MC7500		B2176
1019-0	7500EXL		B4475
1019-1,2,3	7500EXL		B1896
1021-0	6500MF		B1476
1140-0	PP5000T		93441
1140-1,2	PP5000		J2011
1193-0	M2500		99697
1194-0	3000		B2830
1198-0	3500XL		84249
1199-0	4000XL		84249
1263-0	ET2500		B2830
1277-0	BBPS		B4549
1278-0	SVP4800		93441
1305-0	4200		93441
1306-0	PP5000T		93441
1311-0	3000LT		B2830
1312-0	SVP5000		93441
1313-0	3500LVV		84249
1314-0	5500LVV		92670
1315-0	7500ELW		B4475
1329-0	SE5000		93441
1339-0	SE10000		B4486
1356-0	SVP5000T		J2011
1470-0, 1	7000EXL		189348
1642-0,1,2	5500INTEK		189035
1643-0	5Kw Half Tank		93441
1645-0,1	4000EXL		189188
1646-0,1	5500INTEK		188978
1647-0	8Kw B&S		189075
1648-0	4500 HONDA		189271
1649-0	3250INTEK		189171
1650-0	10Kw HONDA		189424
1652-0	4200 HONDA		Not Shown



<b>Generac Wiring Index</b>			
<b>Model</b>	<b>Generac Unit</b>	<b>Dayton Unit</b>	<b>Drawing #</b>
1654-0	5500INTEK		Not Shown
1655-0	5500CSA		Not Shown
1656-0	4Kw EXL CSA		189188
1657-0	7Kw EXL CSA		189348
1658-0	5Kw Half Tank		189646
5513-0,1	S4014		74122
5517-0	S4017		74122
5521-0	S4014F		74122
5526-0	S5019F		74122
5527-0	S5020F		74122
5528-0	S5021F		74122
5541-0,1	C4018		93441
5567-0,1	S4023		74122
8971-0,1,2,3,4	S4000		74122
9160-0		4W115A	74122
9320-0,1,2		3ZC11,A,B	74122
9321-0,1		3ZC12A	74122
9322-0		3ZC13	74122
9325-0	3.0 kW	3ZC14	74122
9397-0	C5032		93441
9441-1,2,3,4,5	3500XL		84249
9459-0	S4014		74122
9460-0	S4014		74122
9486-0	C5030		93441
9528-0,1	EP5000		93441
9551-0	2200XL		74122
9569-0		3ZC12B,C	74122
9569-2		3ZC12D	74122
9570-0,1,2		3ZC13,B,C	74122
9700-0	EP4600		74122
9704-0,1,2,3	3500XL		84249
9716-0,1,2	SV2400		93438
9717-0	SV4200		91376
9717-1,2	SV4200		93439
9718-0,1	SVT4200		91376
9718-2	4200		93439
9719-0,1,2,3	SVP5000		93441
9720-1,2	SVT5000		93439
9777-0,1,2,3	4000XL		84249
9778-0,1,2,3	5500XL		92670
9778-4,5,6,7	5500XL		92670
9779-0,1,2,3,4	6500XL		92670
9780-0,1	8000XL		92511
9781-0,1	10000XL		92511
9785-0,1,2	8000		95918
9794-0,1,2	3250XP		93439
9797-0,1,2,3,4	5500EXL		96077



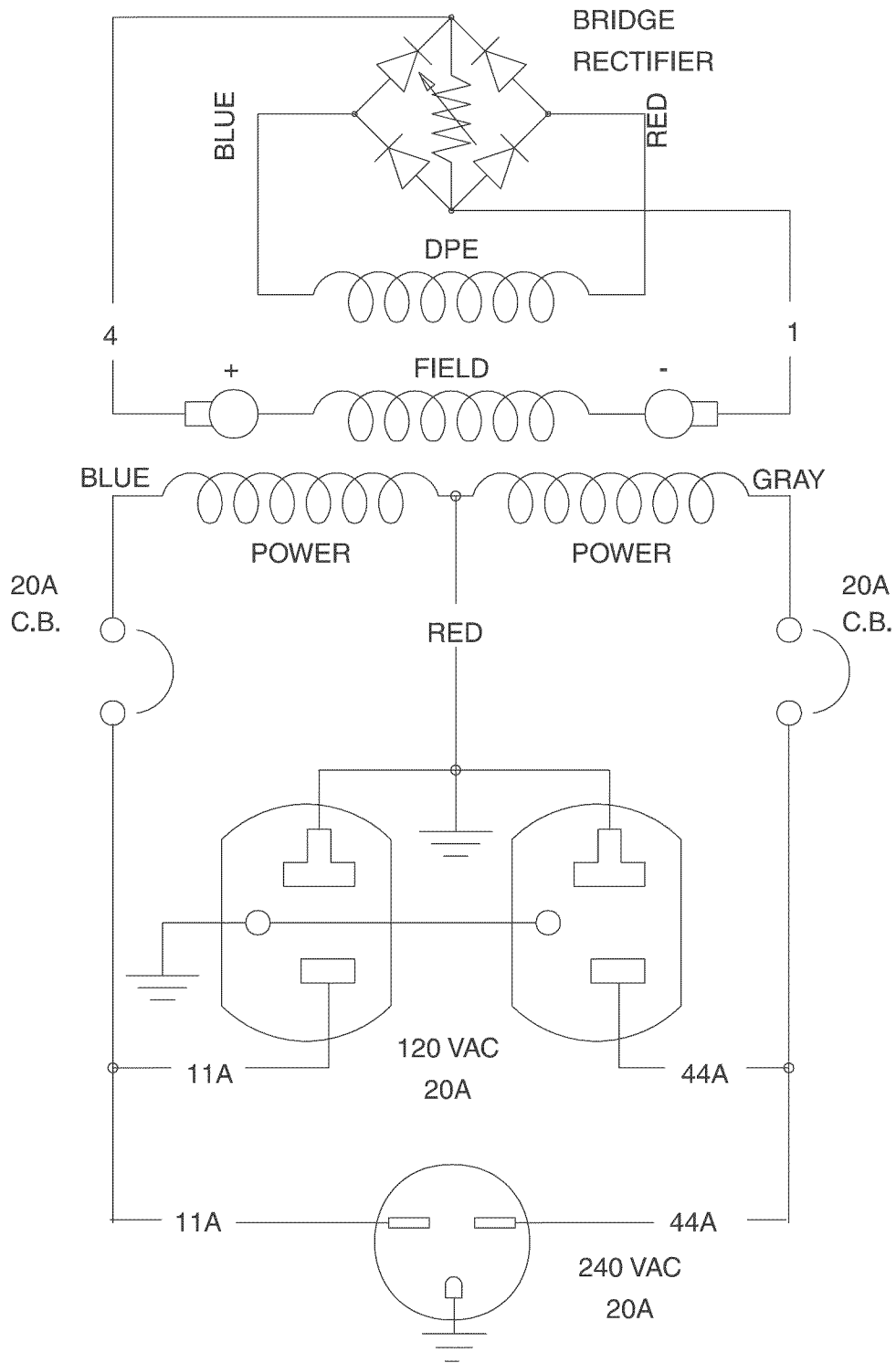
Generac Wiring Index			
Model	Generac Unit	Dayton Unit	Drawing #
9798-0,1,2	6500EXL		96077
9799-0,1	SVP5000E		93442
9800-0,1	8000EXL		95918
9801-0,1,2,3	10000EXL		95918
9801-4,5,6,7	10000EXL		B4429
9801-5,6	10000EXL		186091
9802-0,1	MC4000		93224
9803-0,1,2,3	MC5500		92709
9805-0,1	MC6500		92709
9807-0,1,2,3	MC8000		95938
9809-0,1,2	MC10000		95938
9829-0,1	2.4 kW		93438
9831-0,1	5.0 kW		93439
9855-0	1850W		94199
9856-0	PP5000		93441
9864-0		INI70	94199
9870-0	SVP5000		93441
9878-0,1	4000XL CSA		84249
9885-0,1,2,3	5500XL		96191
9886-0,1,2	8000XL CSA		96230
9903-0,1,2	6500XL CSA		96191
9904-0,1	10000XL		96230

Sears Wiring Index		
Model	Generac Unit	Drawing #
32670	0451-0	93438
326740,1	0453-0,1	84249
326761	9855-1	94199
326782	9718-2	93439
326990	9480-0	93441
327100	9218-0,1	74122
327110	1149-0	94998
327120	1187-0	B2420
327130	1188-0	94998
327140	1189-0	84249
327150	1150-0	B3112
327160	1190-0	92670
327180	1020-0	B1896
327200	1191-0,1	B3067
327250,1,2,3	9514-0,1,2,3,4	84249
327270	0630-0	93438
328390,1,2	9785-0,1,2	95918
329120	1523-0	186957
329130	1524-0	187146
329140	1525-0	187006
329160	1526-0	92670
329180	1527-0	B4475
676350,1	0562-0,1	84249
678200	1133-0	99697
678420	1135-0	84249
741700	9618-0	84249

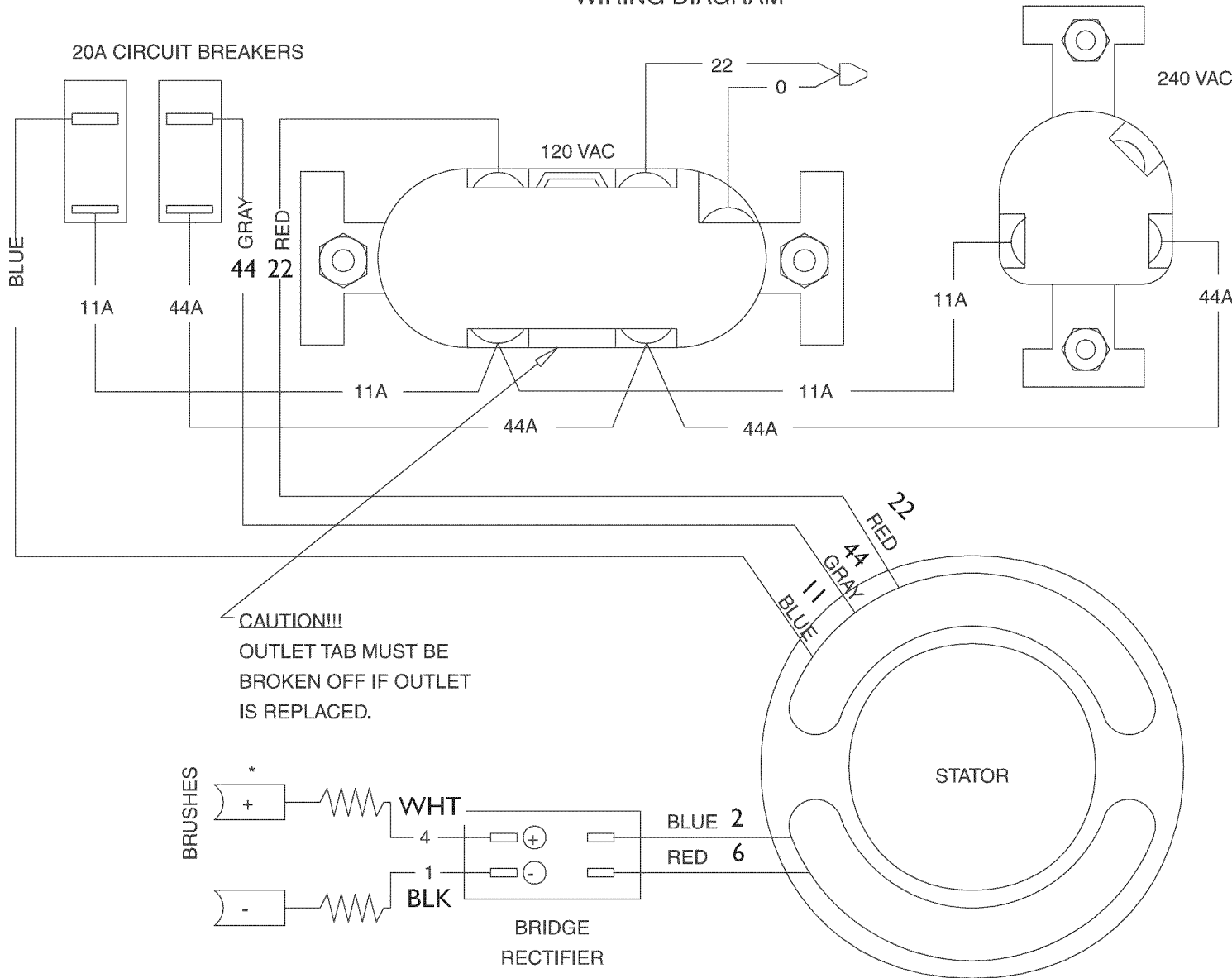


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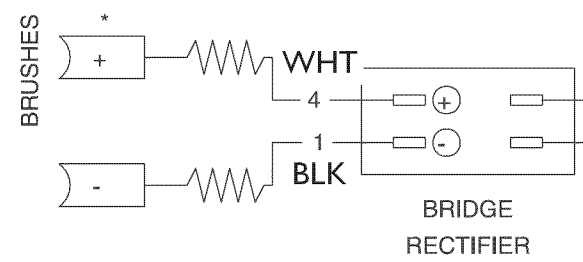
SCHEMATIC



# WIRING DIAGRAM



CAUTION!!!  
 OUTLET TAB MUST BE  
 BROKEN OFF IF OUTLET  
 IS REPLACED.



NOTE:  
 \*POSITIVE BRUSH CLOSEST TO BEARING

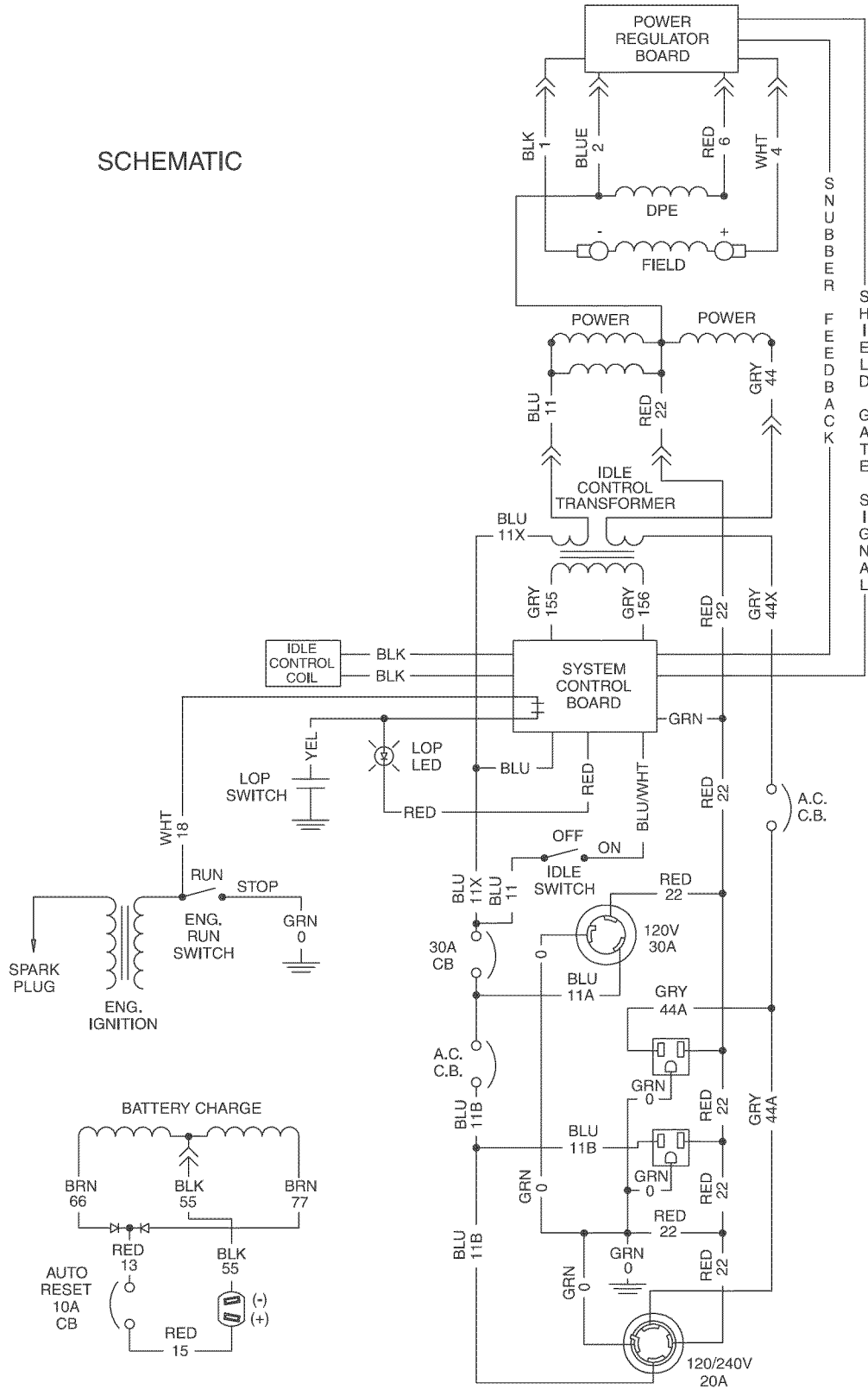
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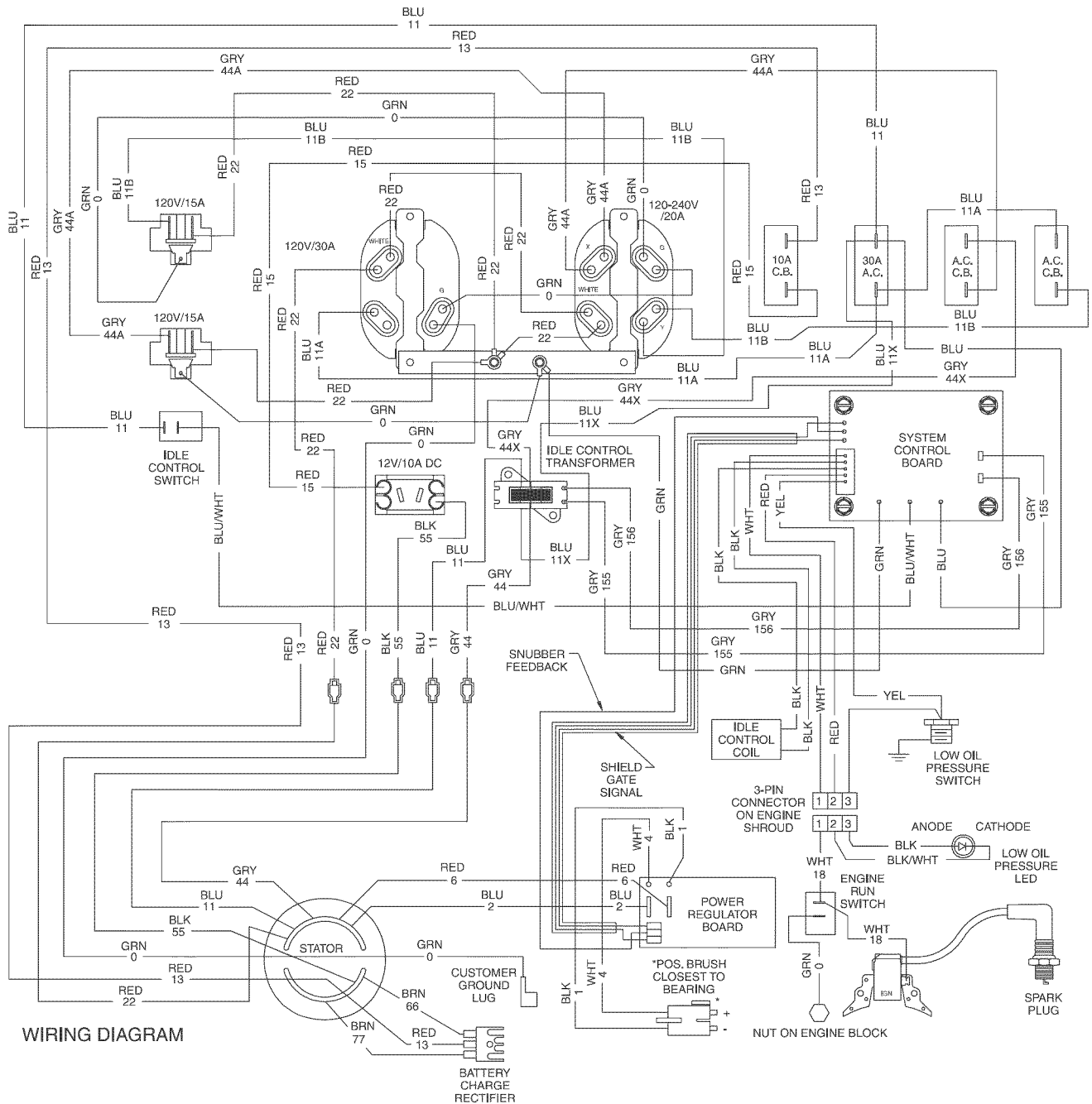
SCHEMATIC



84249



DRAWING # 84249



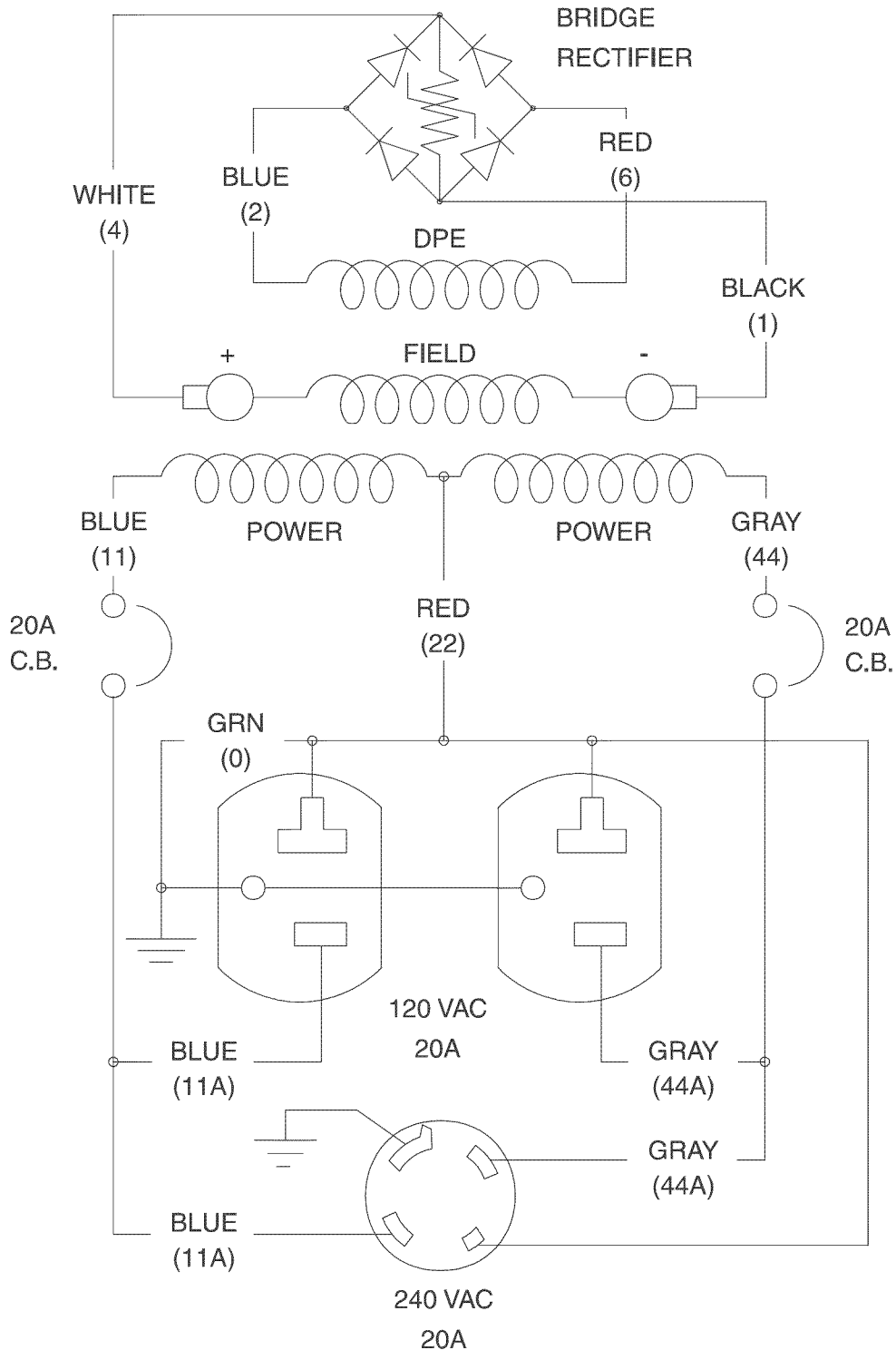
WIRING DIAGRAM

84249



DRAWING # 91376

SCHEMATIC



91376

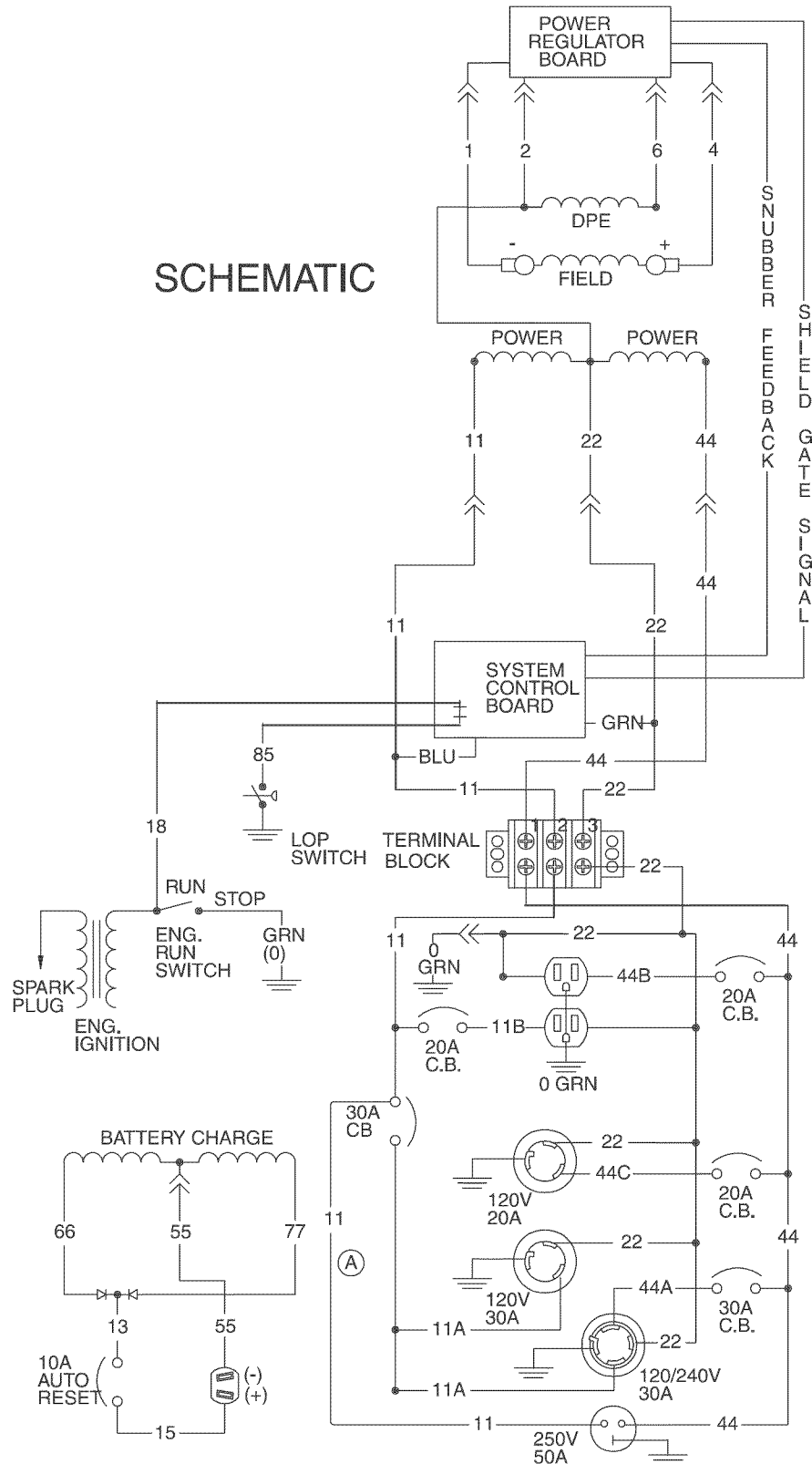




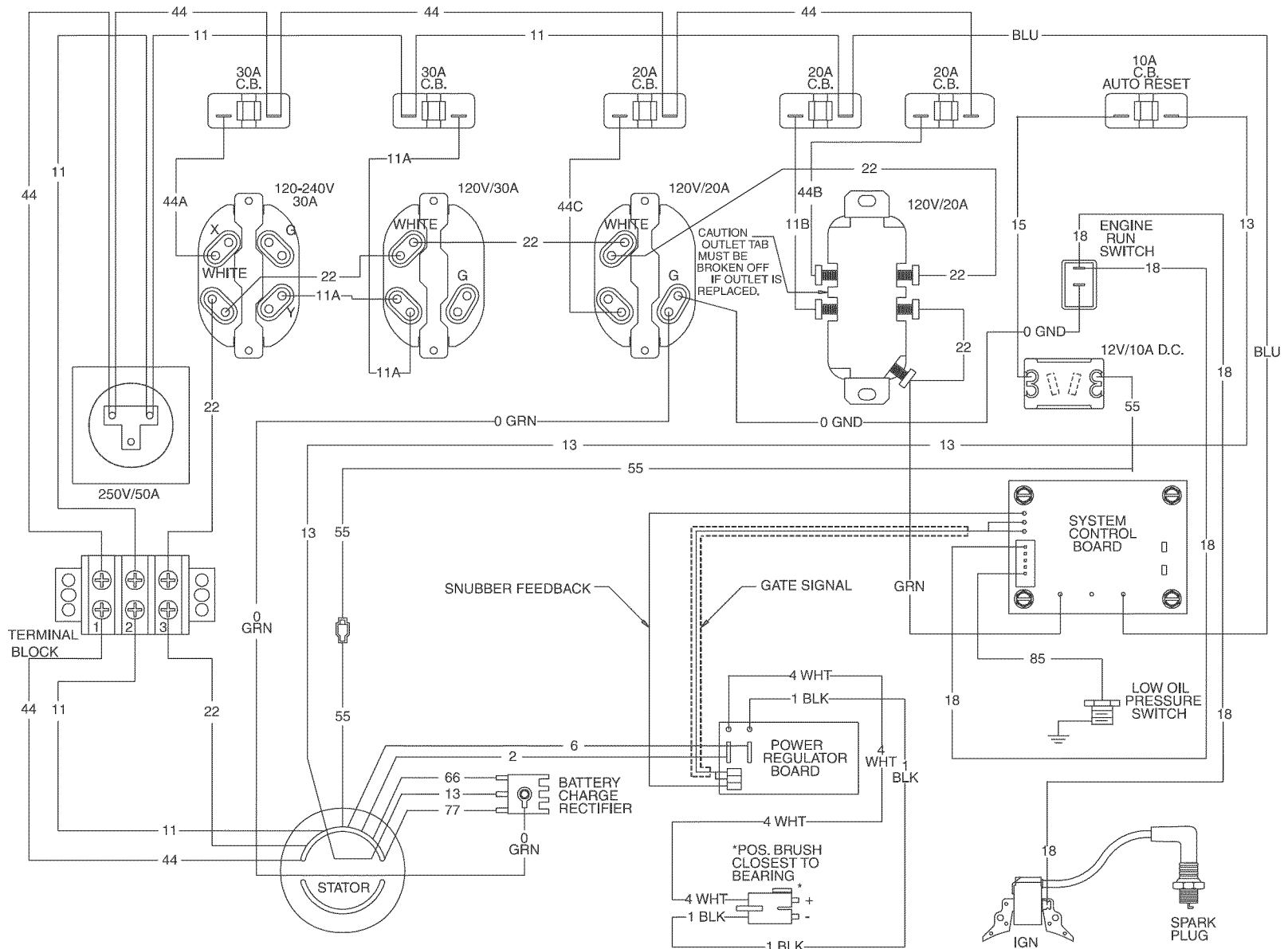


DRAWING # 92511

SCHMATIC



92511



WIRING DIAGRAM

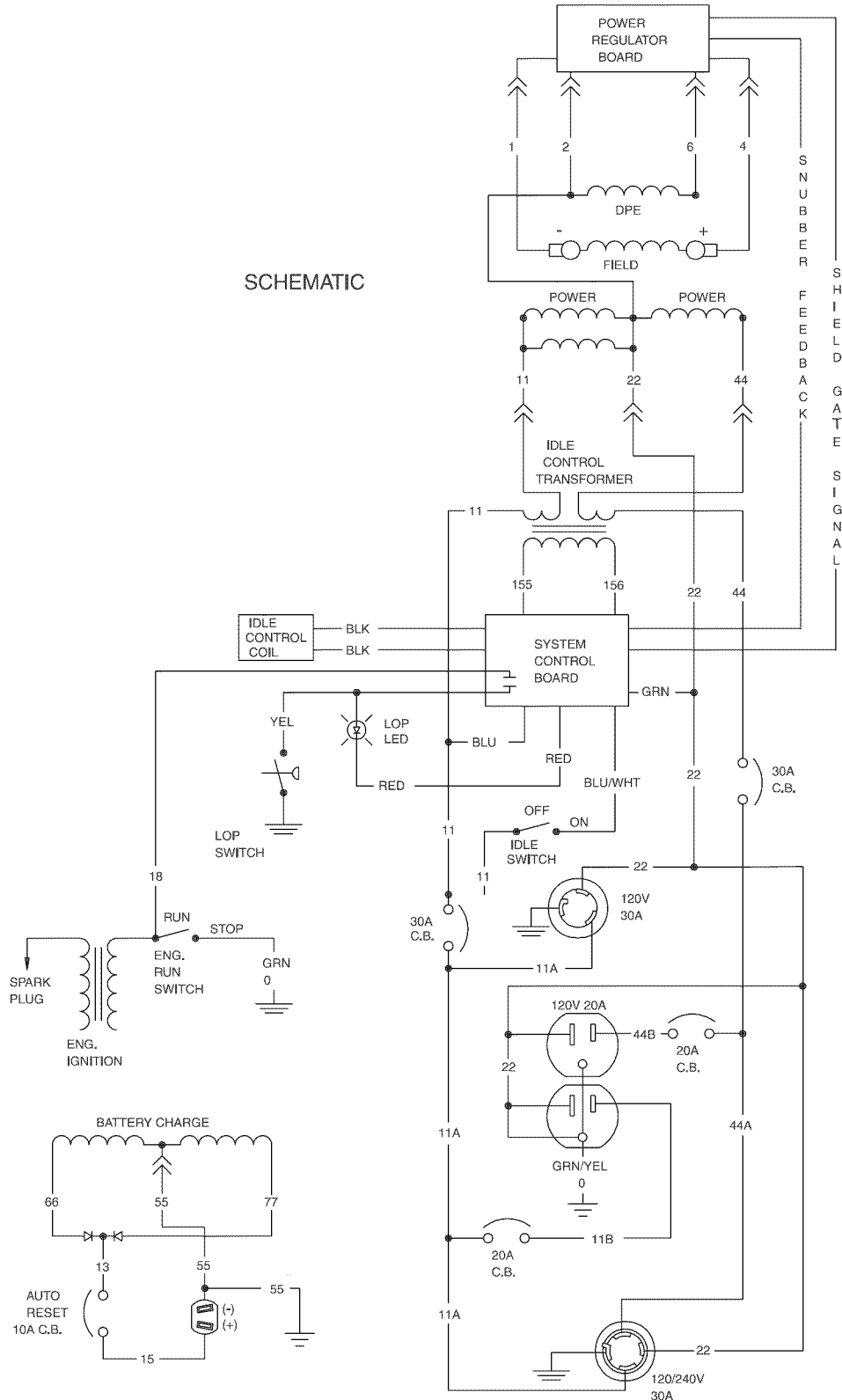
DRAWING # 9251 I





DRAWING # 92670

SCHEMATIC



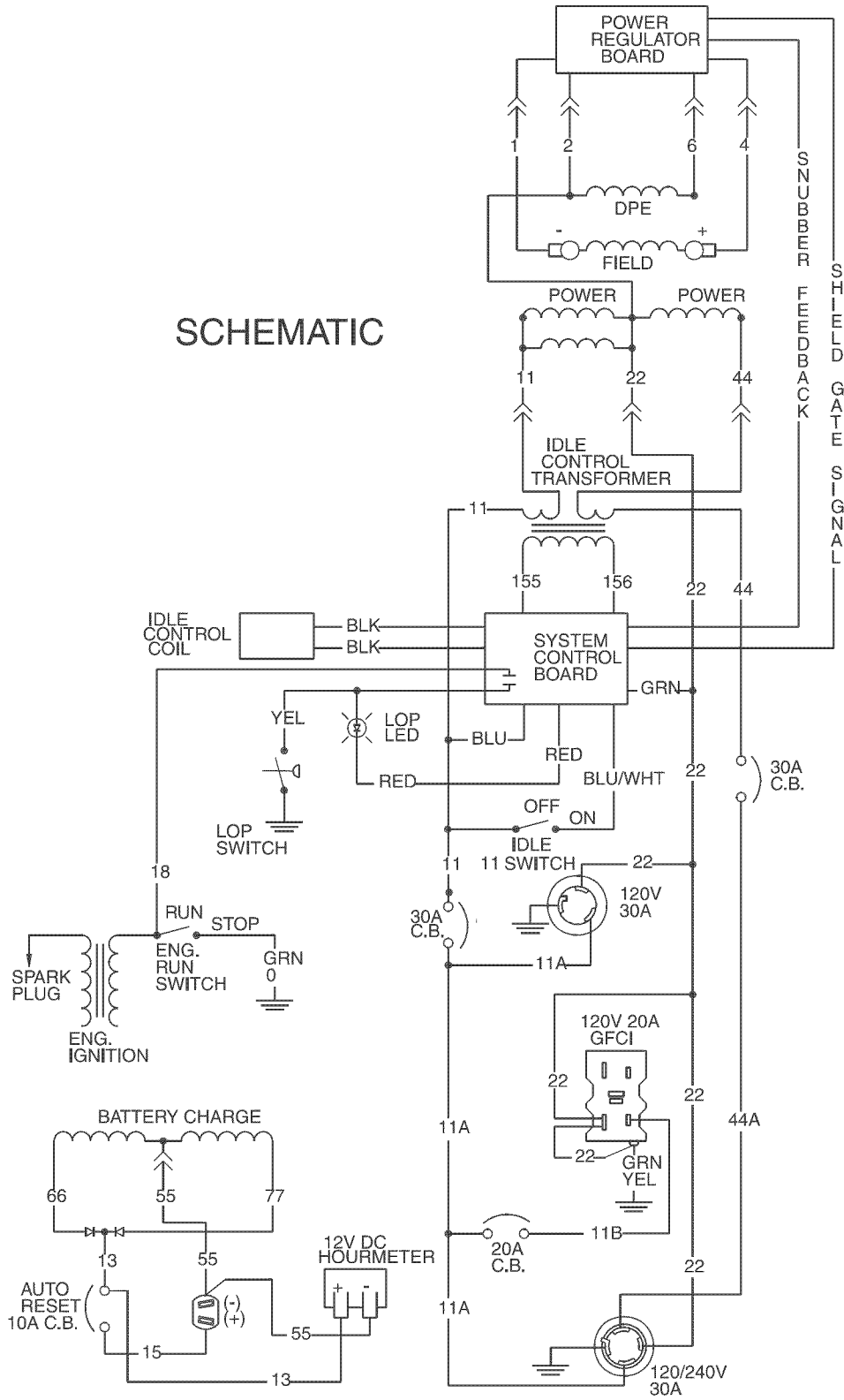
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DRAWING # 92709

SCHEMATIC

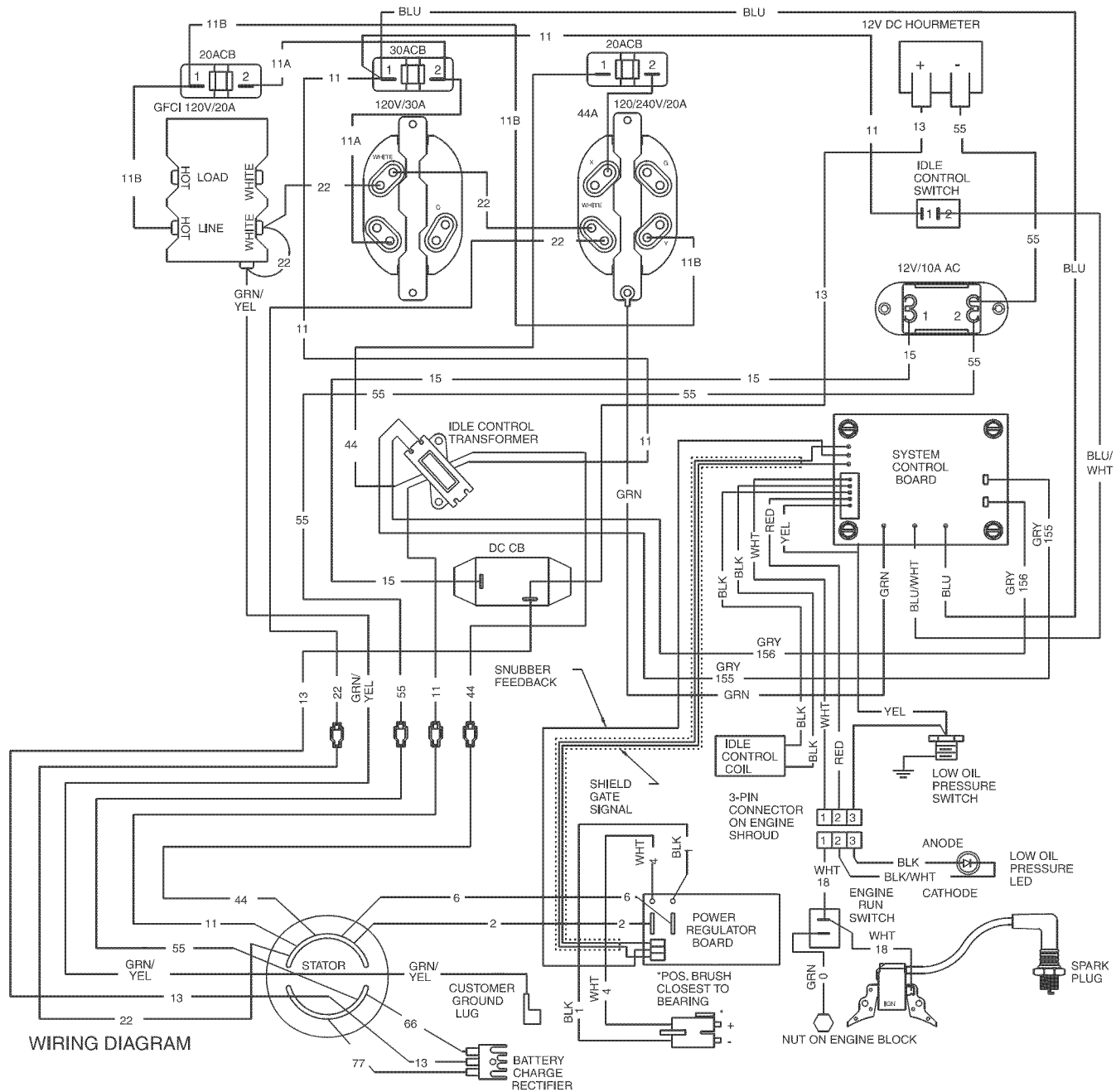


92709









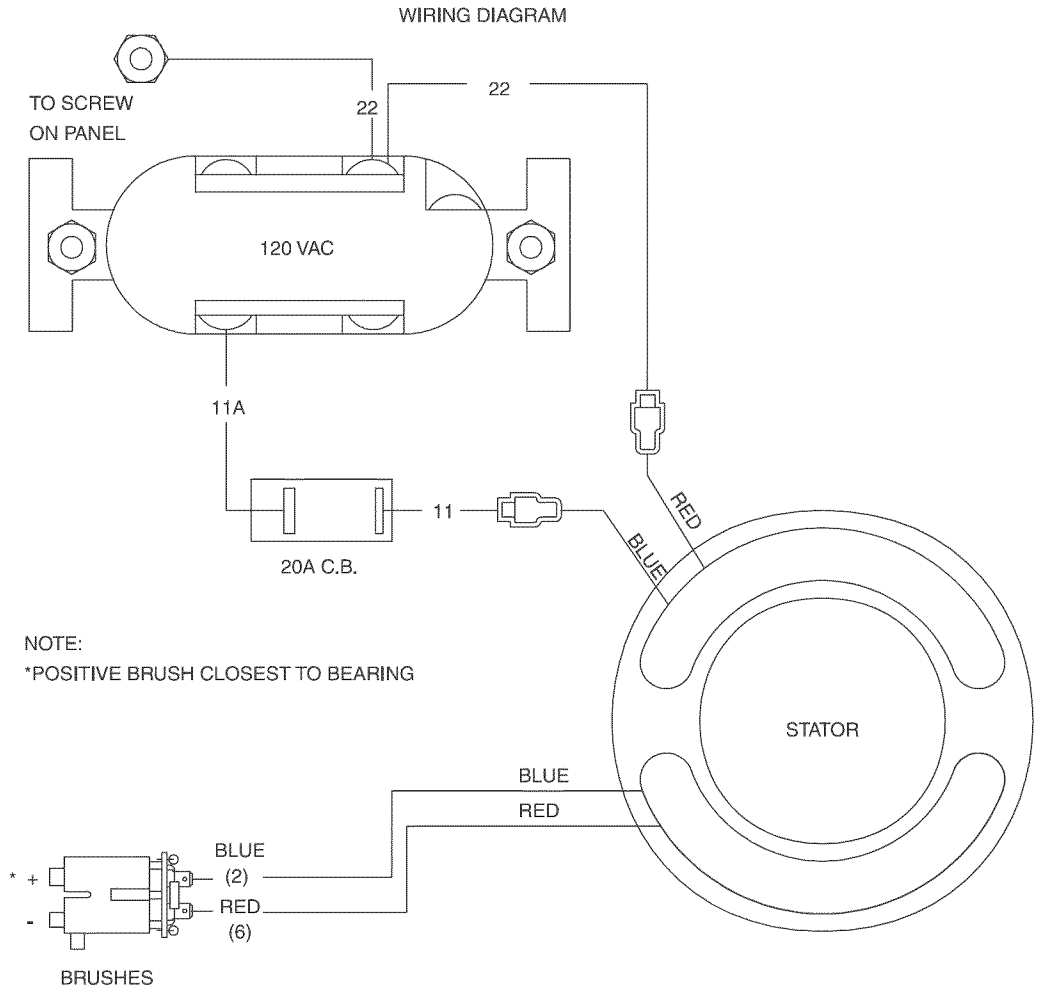
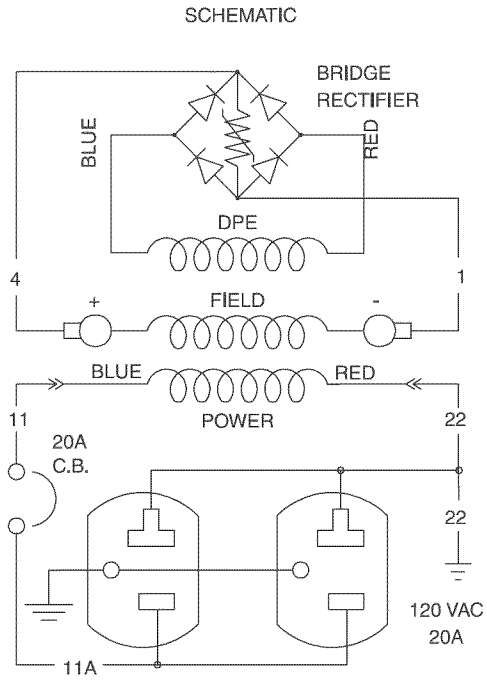
WIRING DIAGRAM

DRAWING # 93224



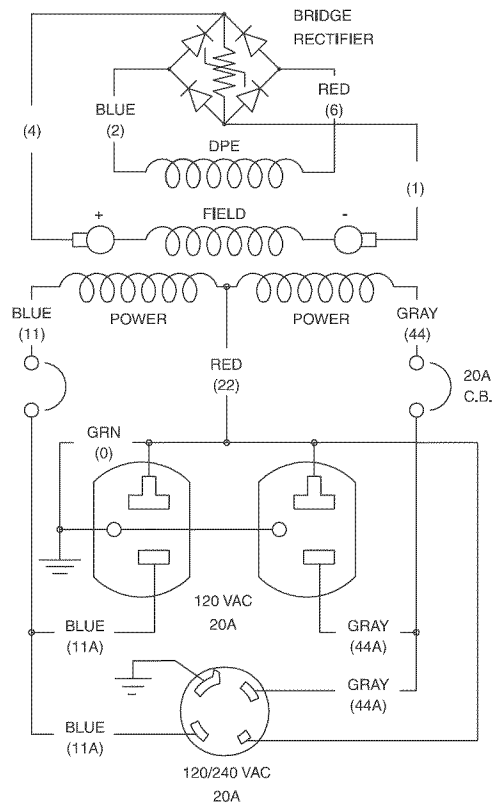


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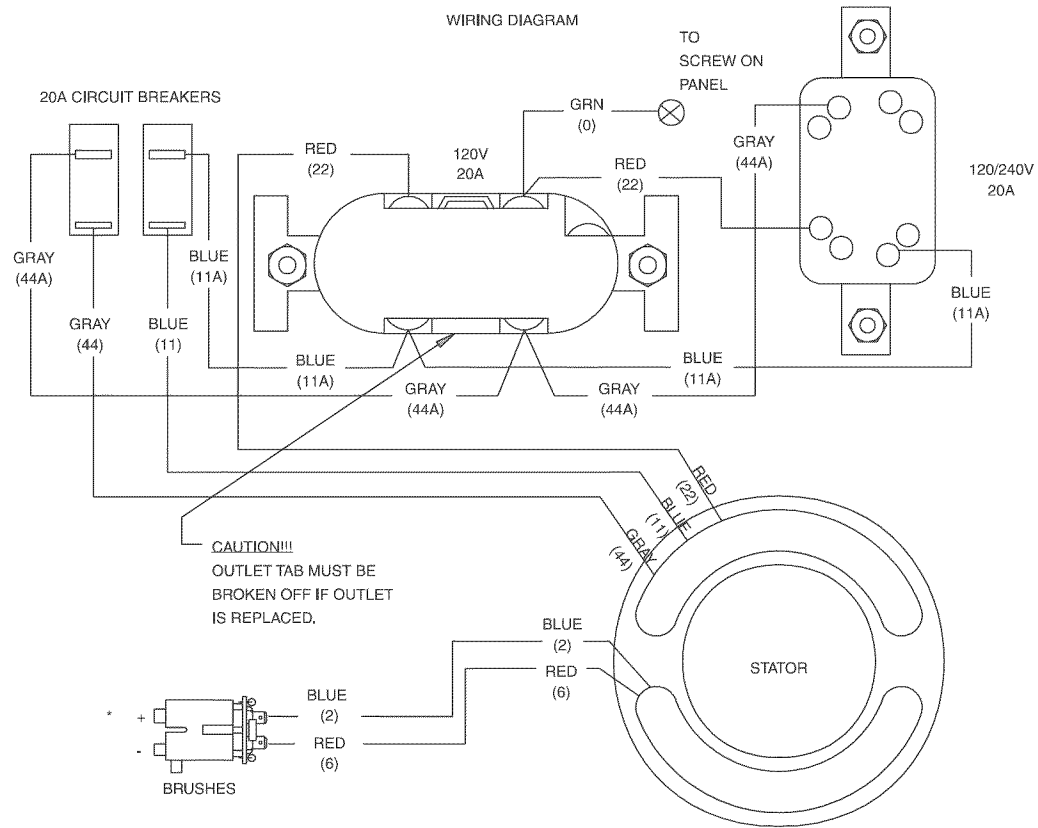


NOTE:  
\*POSITIVE BRUSH CLOSEST TO BEARING

SCHEMATIC



WIRING DIAGRAM



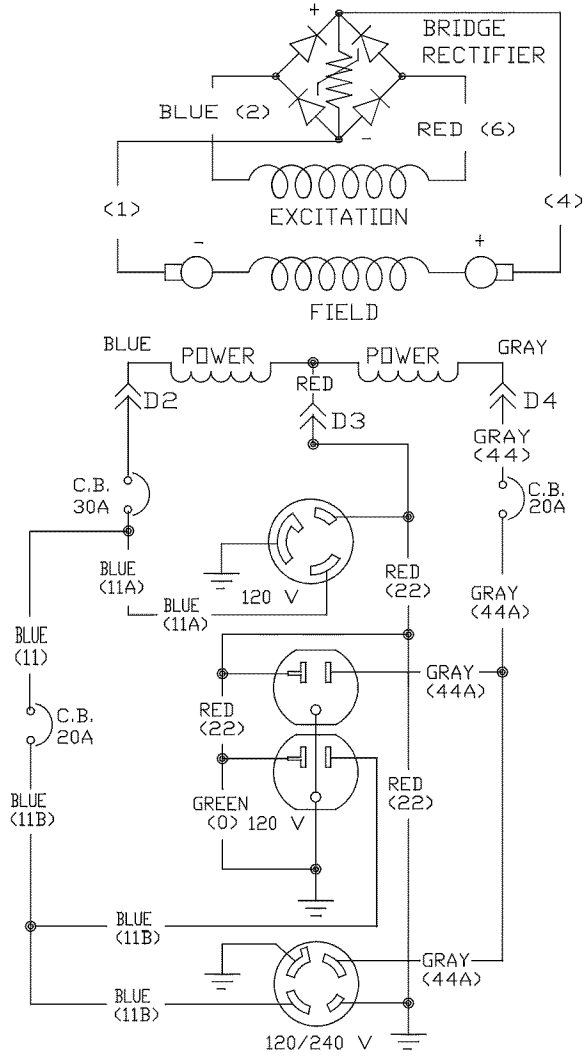
NOTE:  
\*POSITIVE BRUSH CLOSEST TO BEARING

DRAWING # 93439

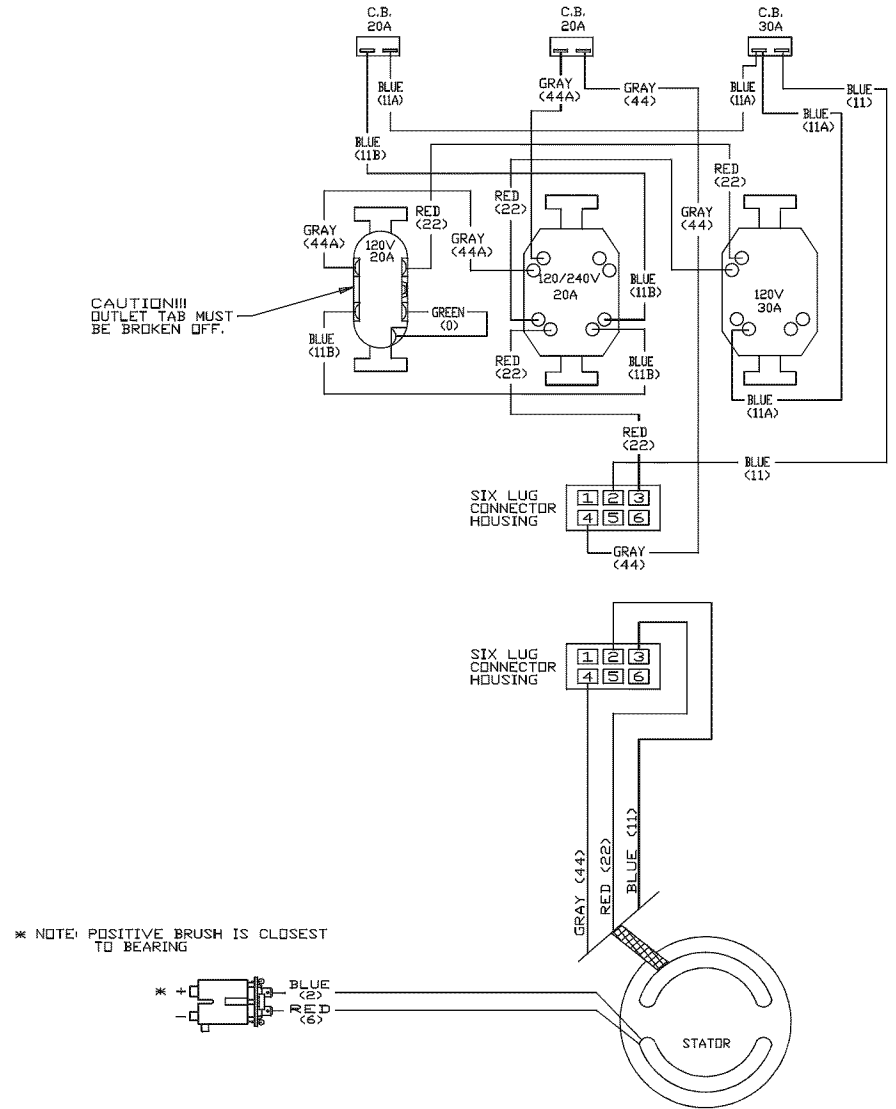




DRAWING # 93441

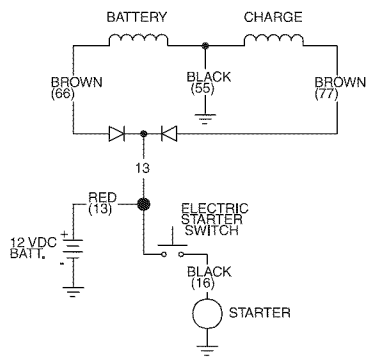
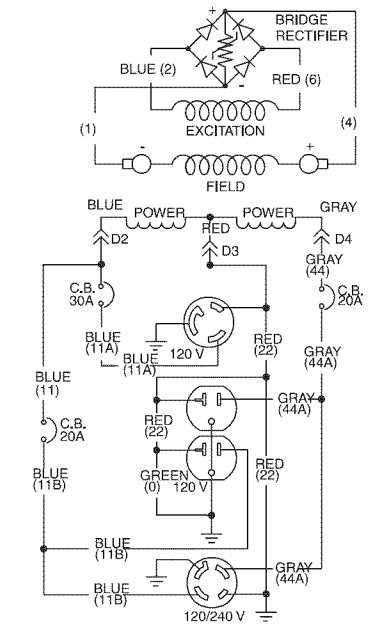


Schematic



Wiring Diagram

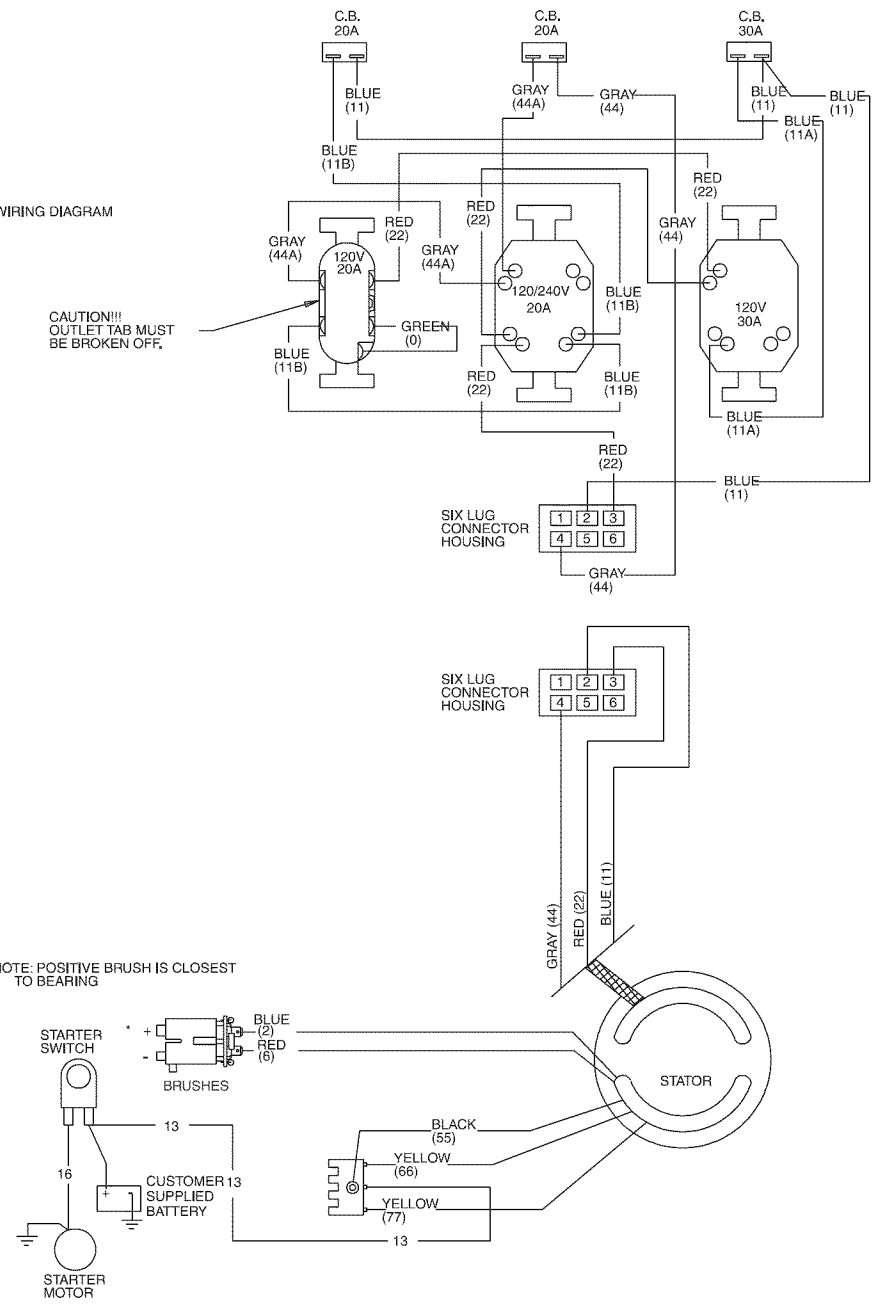
SCHEMATIC



WIRING DIAGRAM

CAUTION!!!  
OUTLET TAB MUST  
BE BROKEN OFF.

\* NOTE: POSITIVE BRUSH IS CLOSEST  
TO BEARING



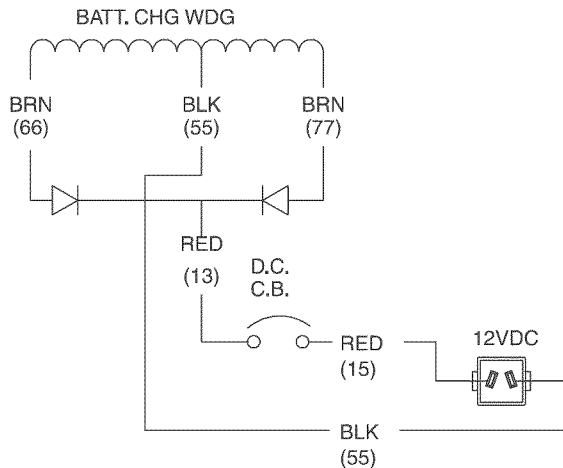
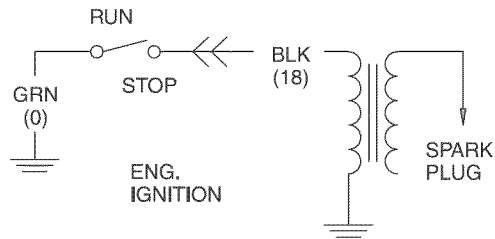
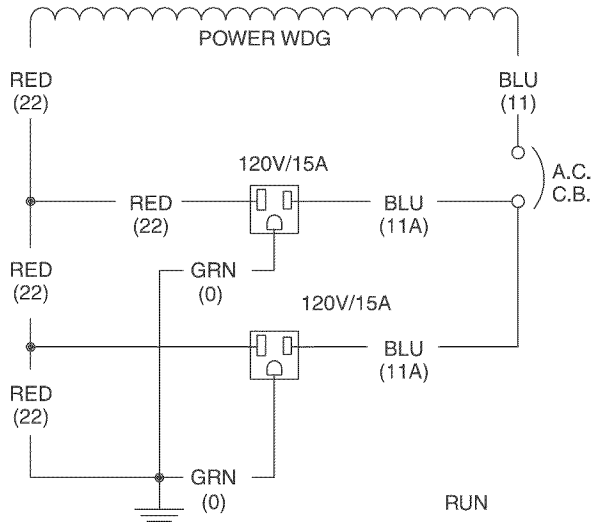
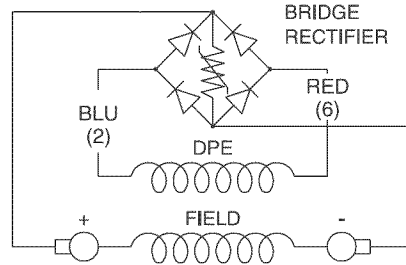
51



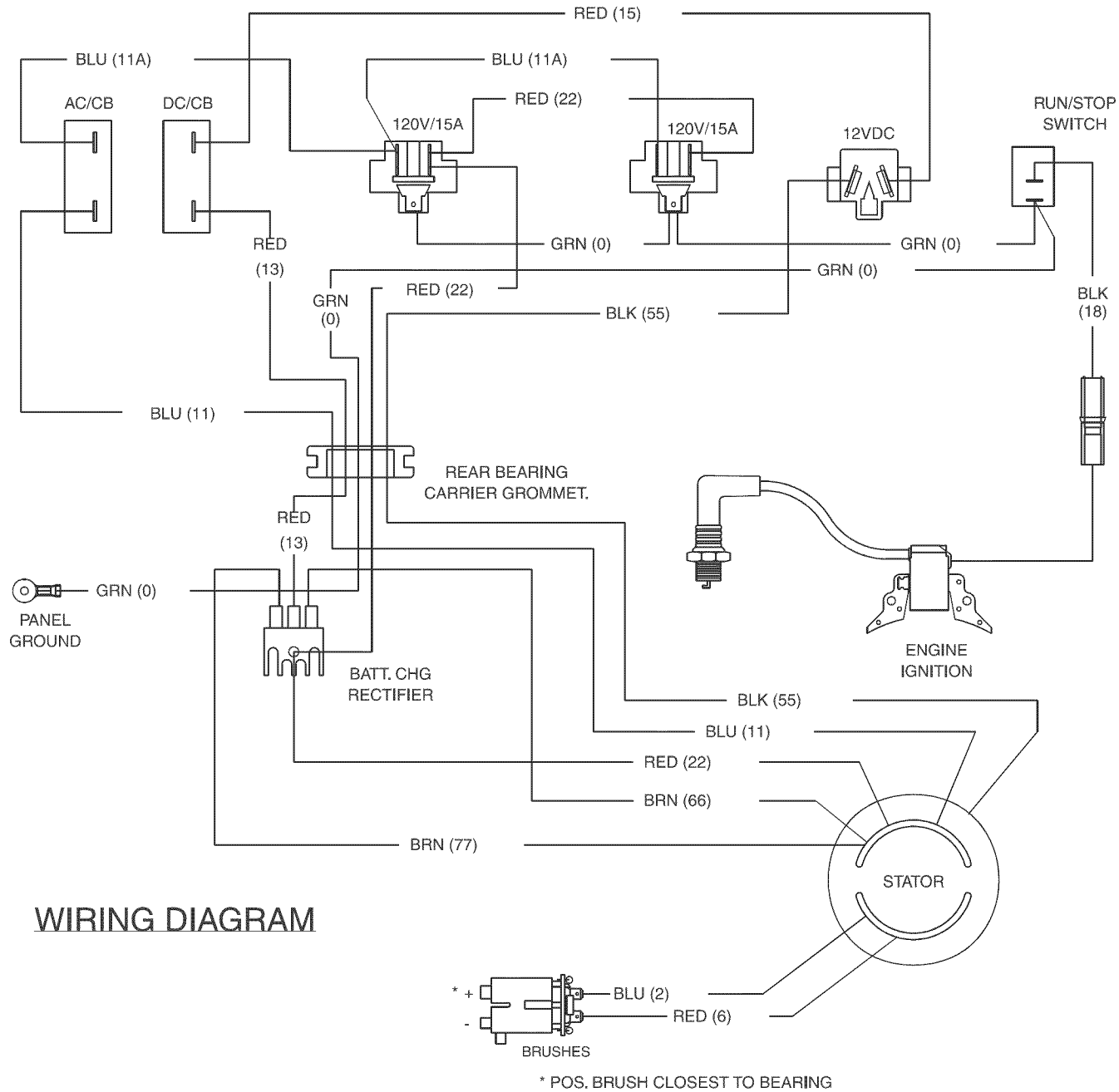


DRAWING # 94199

SCHEMATIC



94199



WIRING DIAGRAM

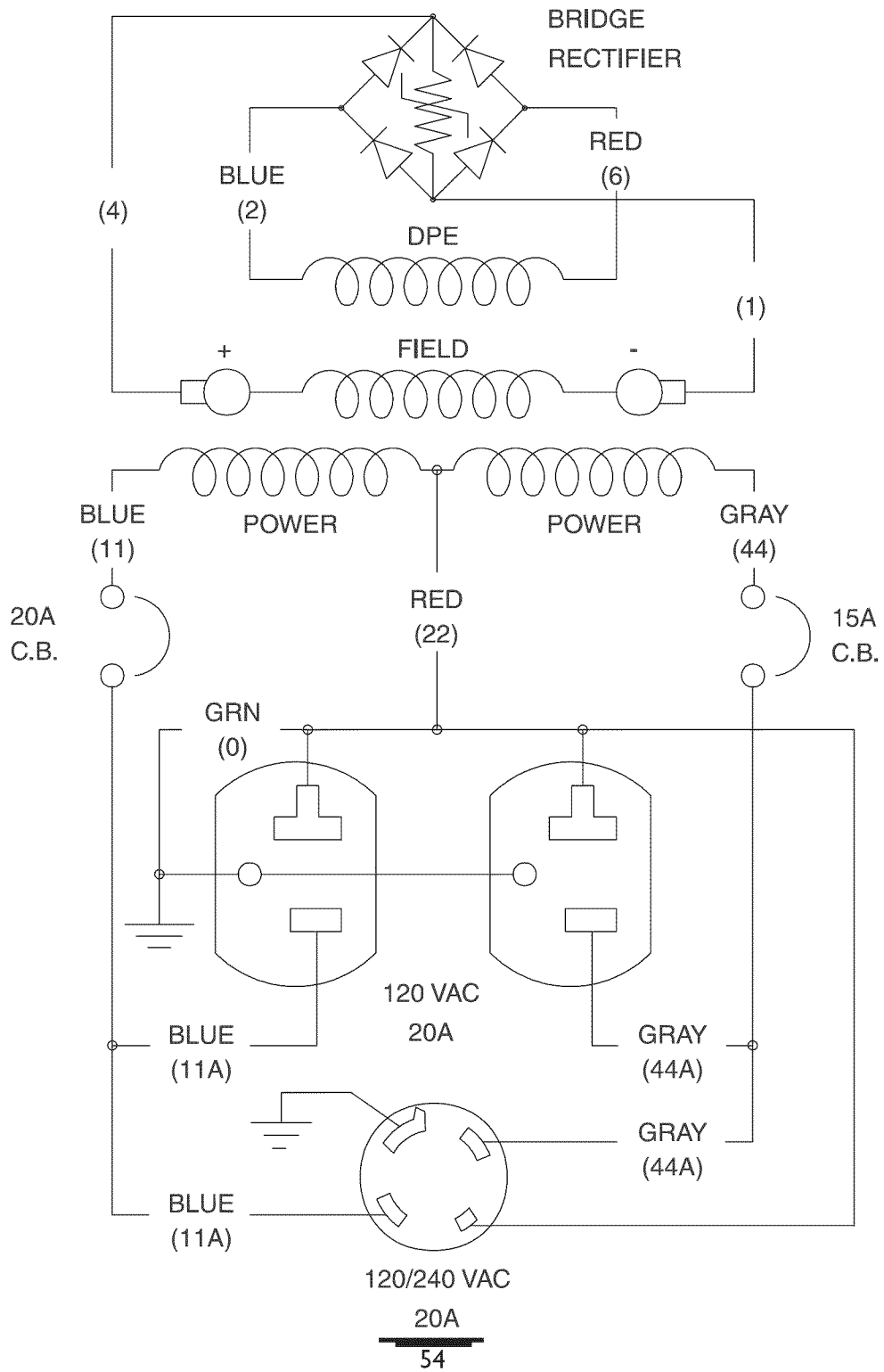
DRAWING # 94199





DRAWING # 94998

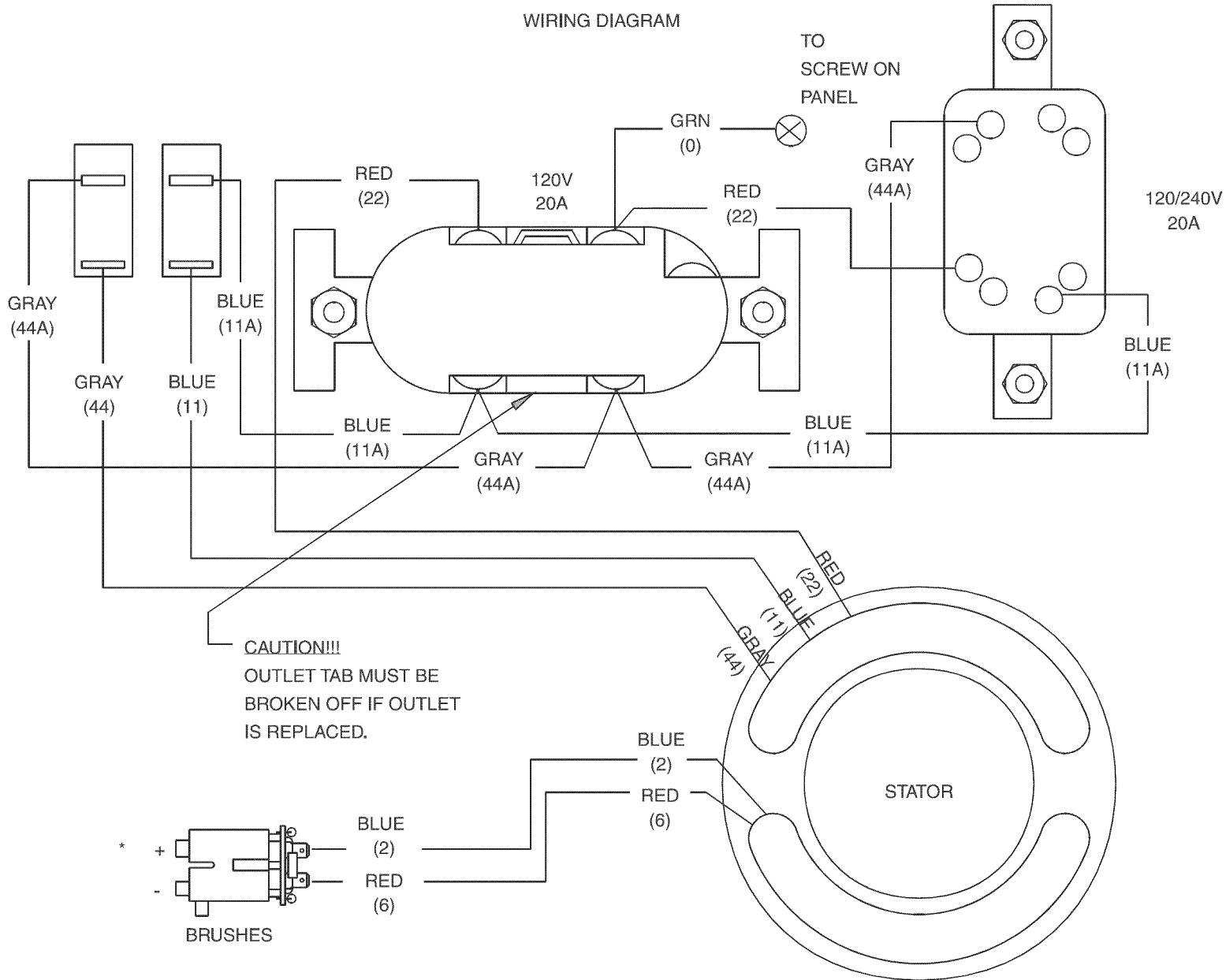
SCHEMATIC



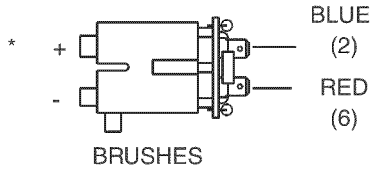
94998



WIRING DIAGRAM



CAUTION!!!  
OUTLET TAB MUST BE  
BROKEN OFF IF OUTLET  
IS REPLACED.

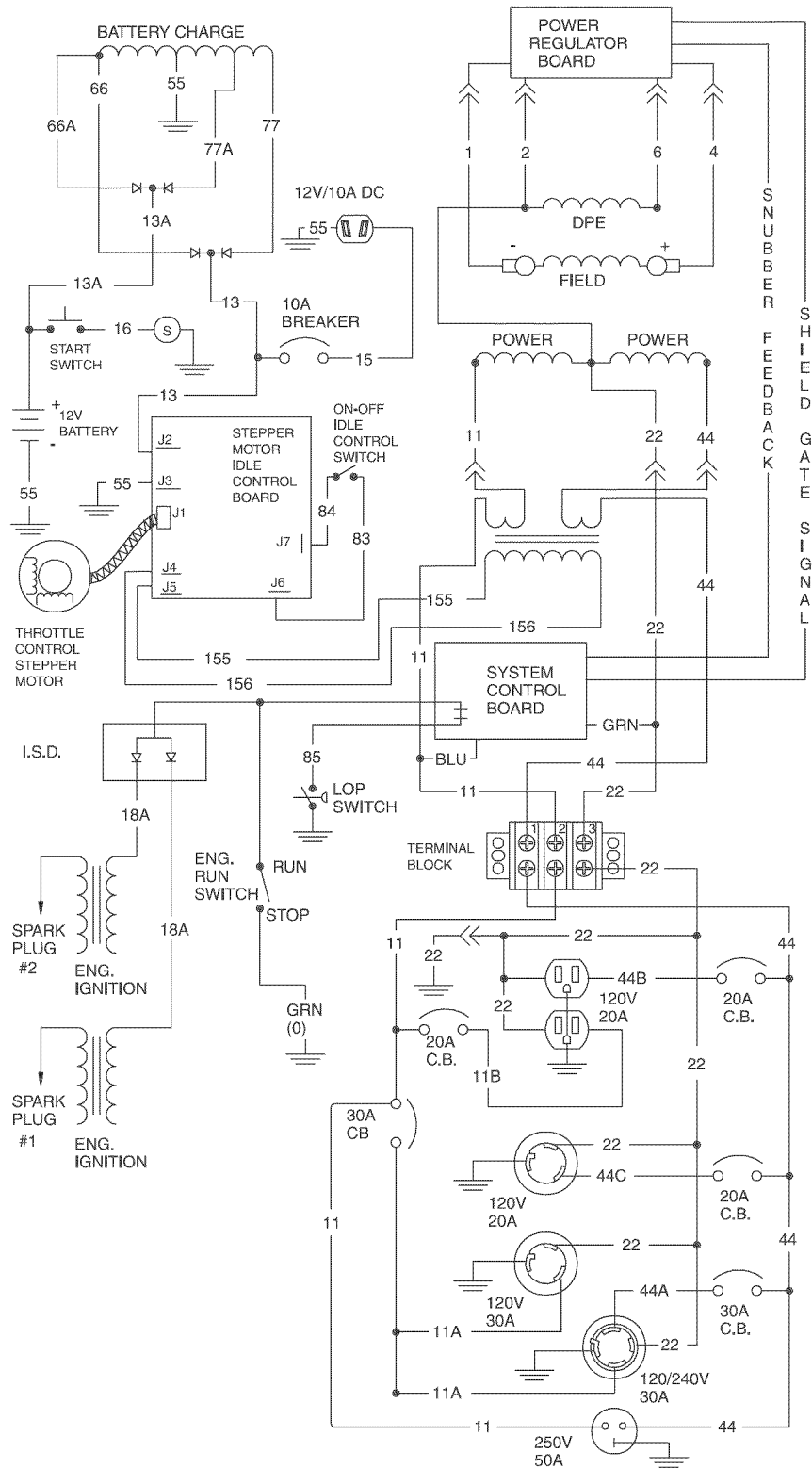


NOTE:  
\*POSITIVE BRUSH CLOSEST TO BEARING





DRAWING # 95918

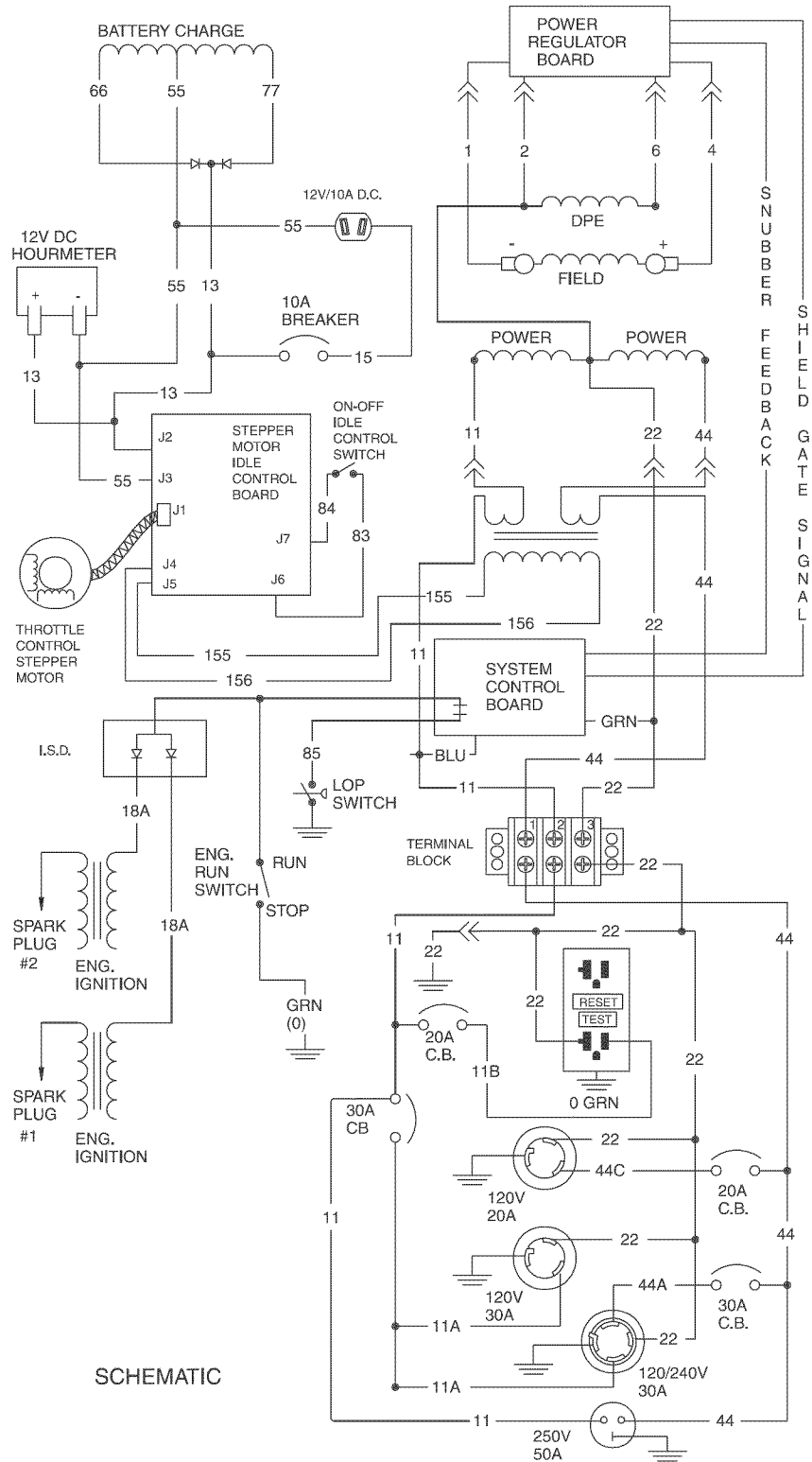


95918



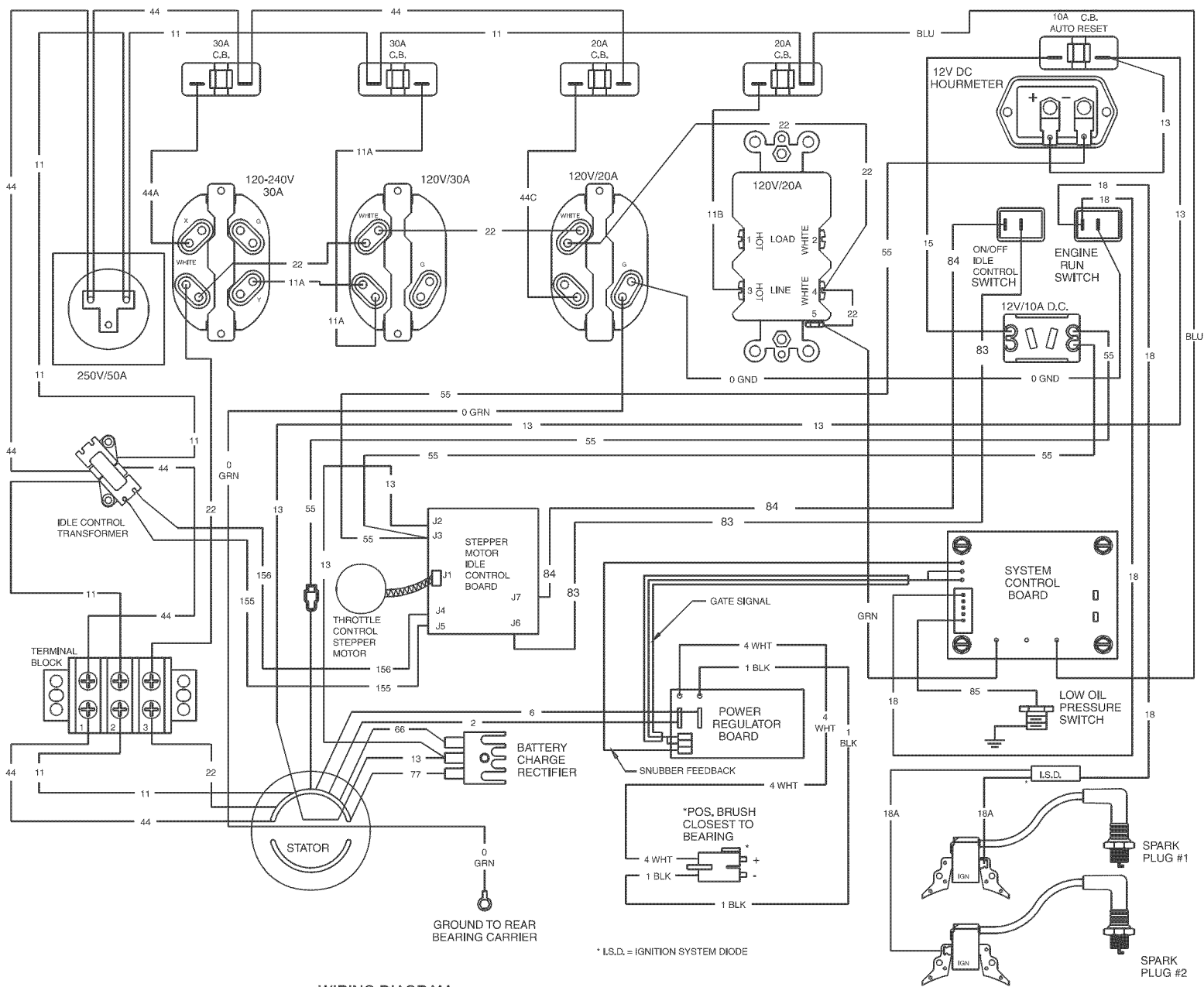


DRAWING # 95938



SCHEMATIC

95938



WIRING DIAGRAM

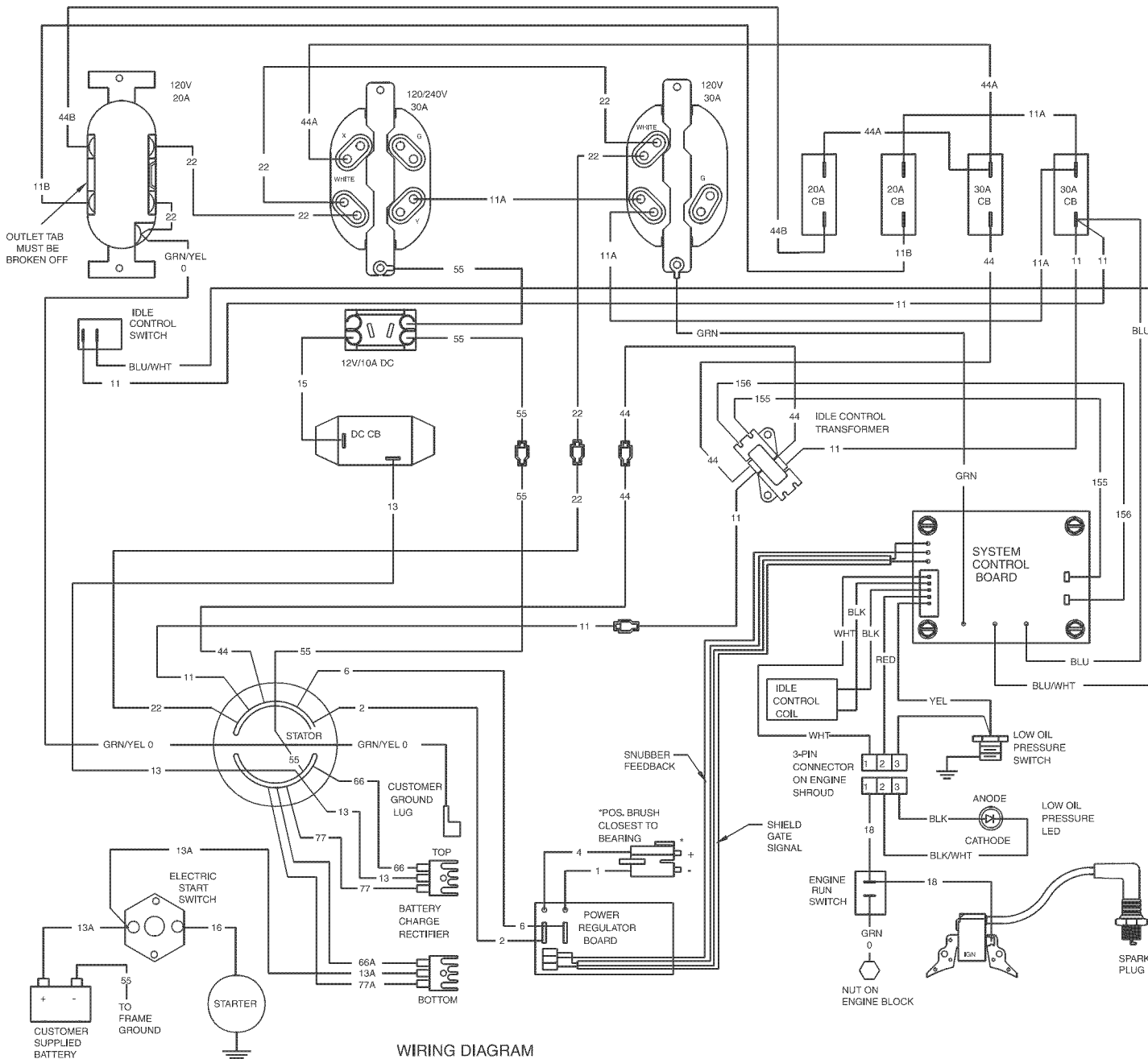
\* I.S.D. = IGNITION SYSTEM DIODE

\* POS. BRUSH CLOSEST TO BEARING

DRAWING # 95938







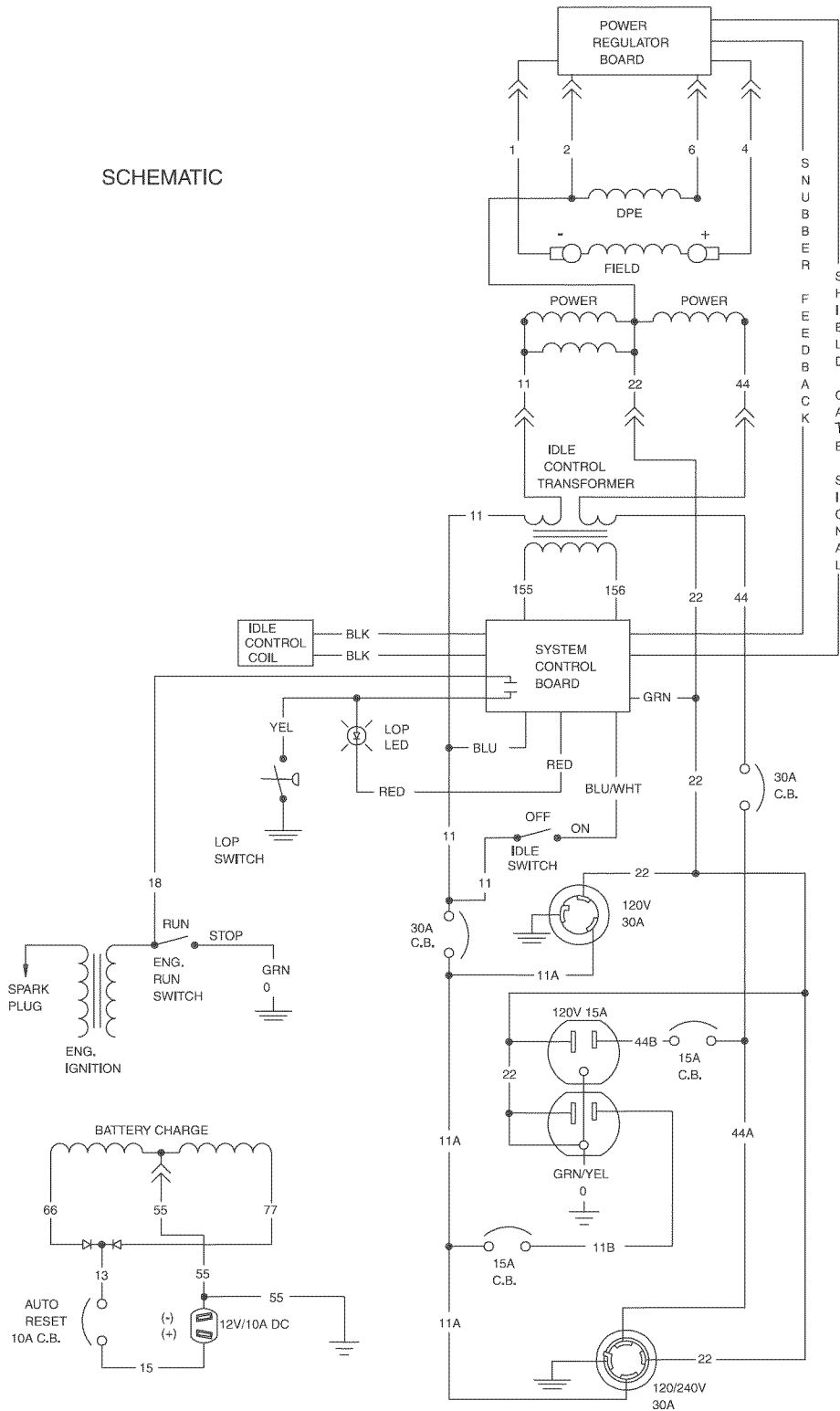
DRAWING # 96077





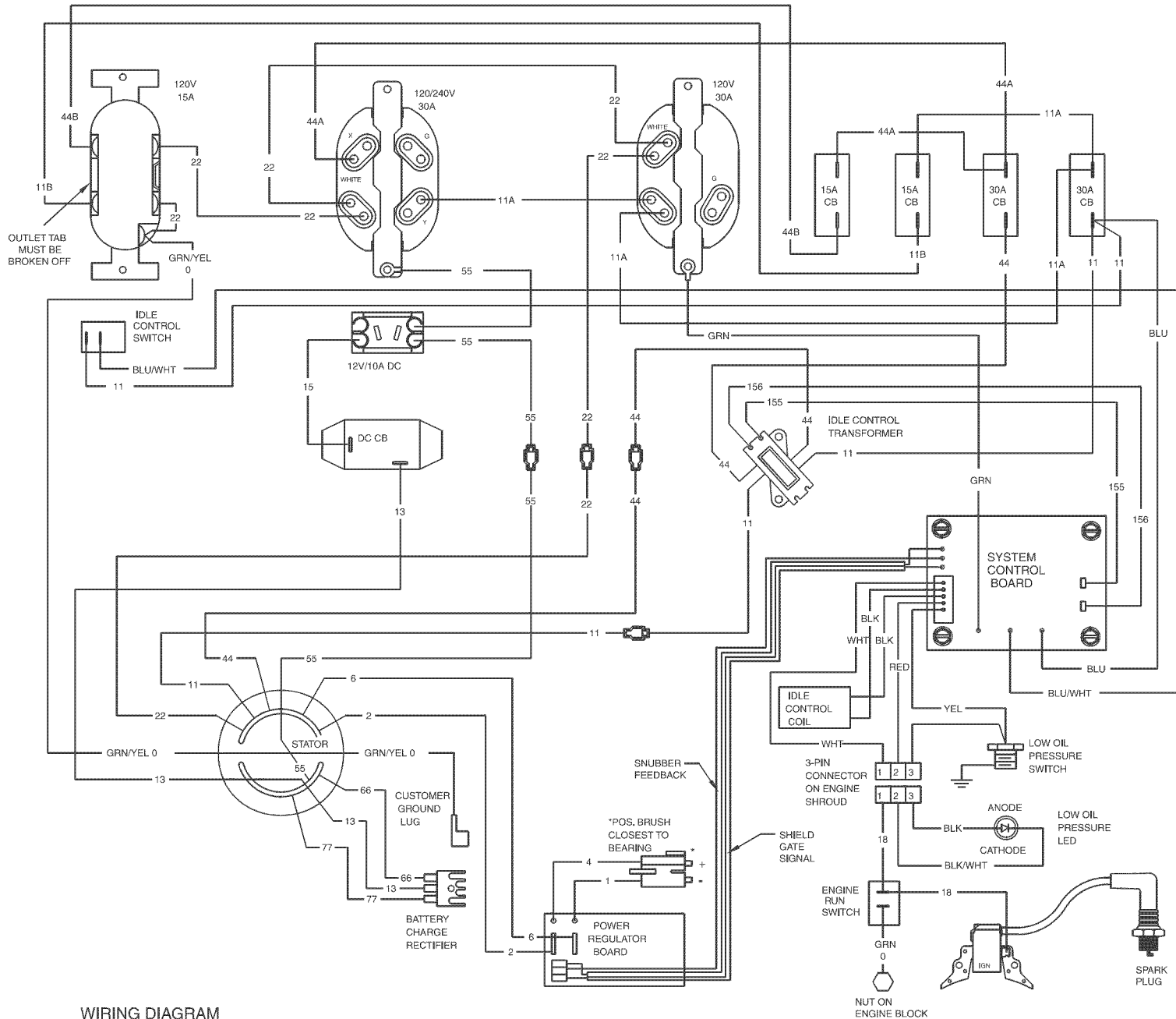
DRAWING # 96191

SCHEMATIC



96191





WIRING DIAGRAM

96191

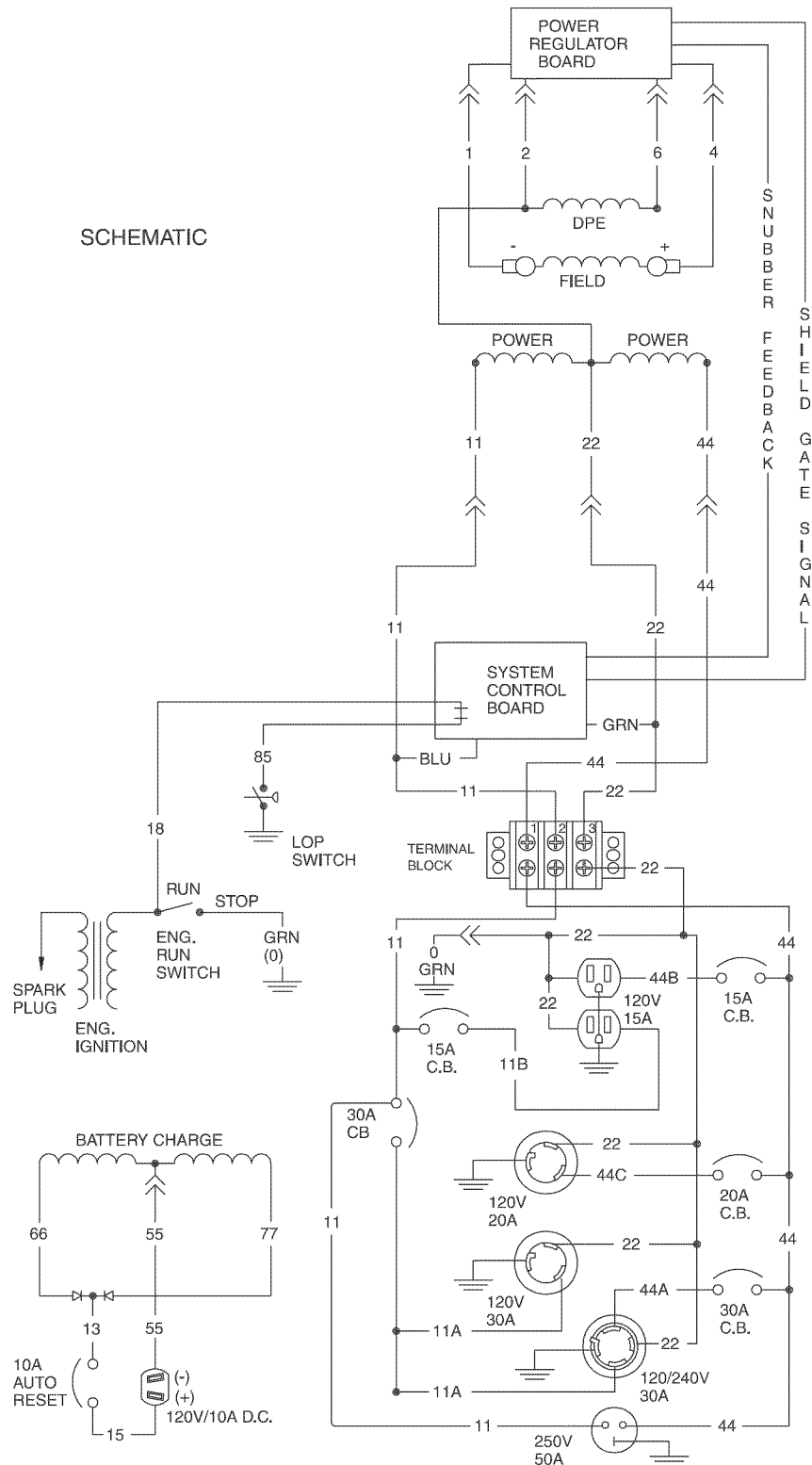
DRAWING # 96191



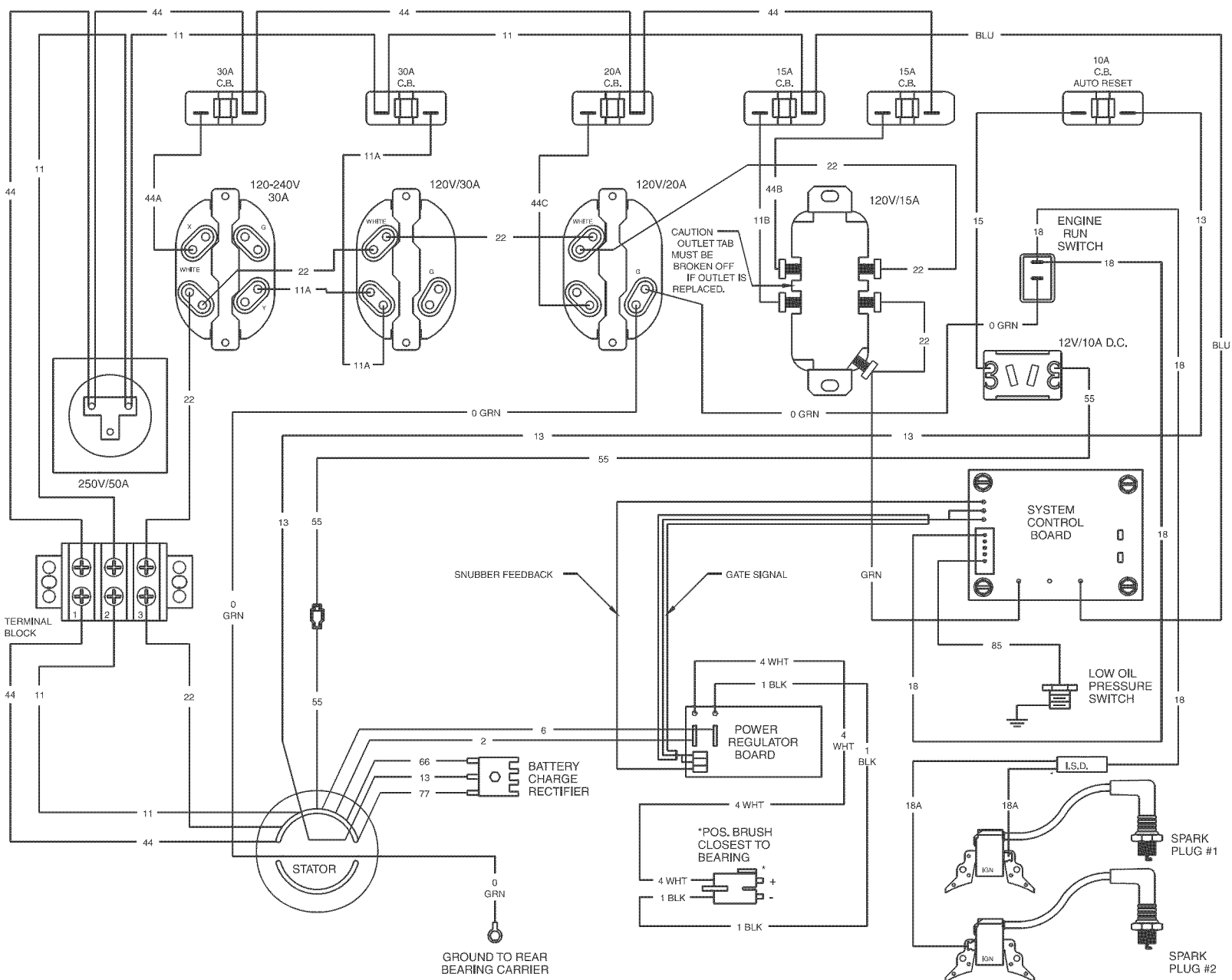


DRAWING # 96230

SCHEMATIC



96230



WIRING DIAGRAM

\* I.S.D. - IGNITION SYSTEM DIODE

GROUND TO REAR BEARING CARRIER

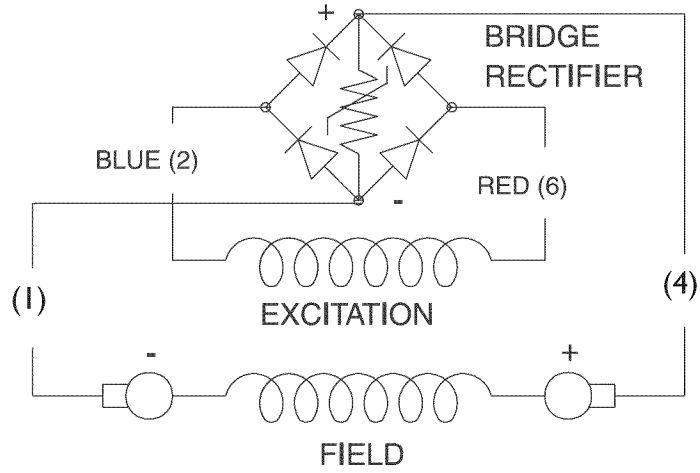
\*POS. BRUSH CLOSEST TO BEARING

DRAWING # 96230

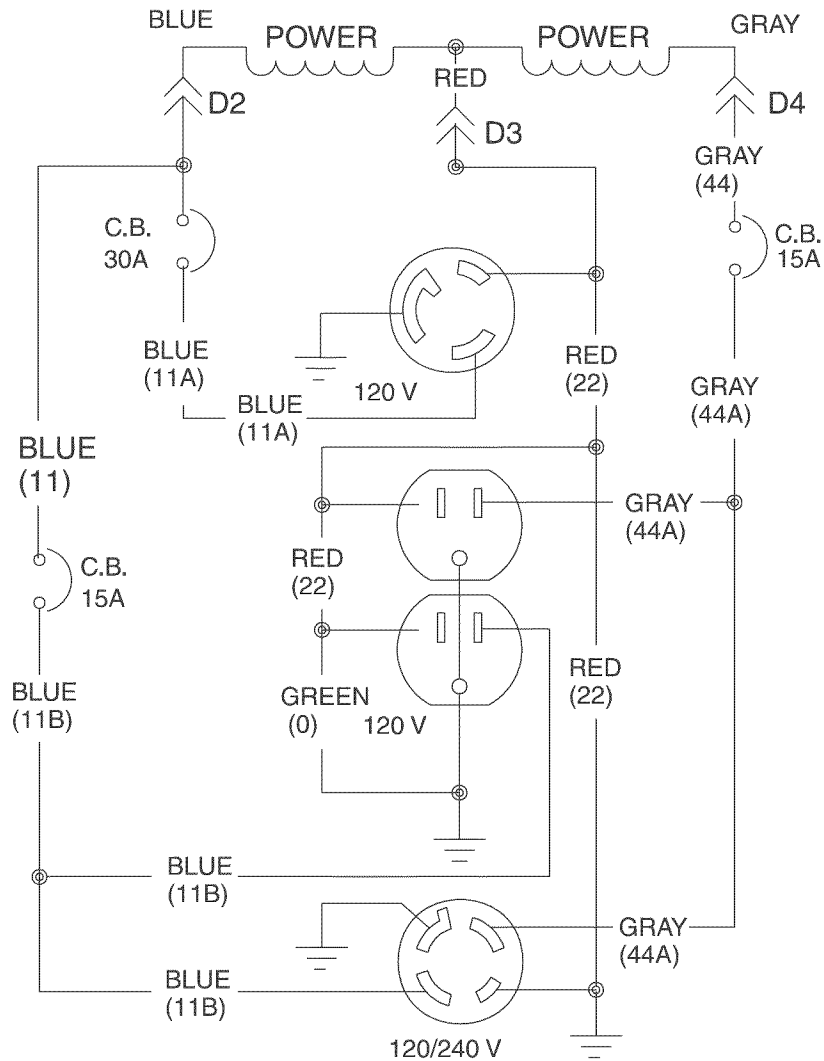




DRAWING # 96605



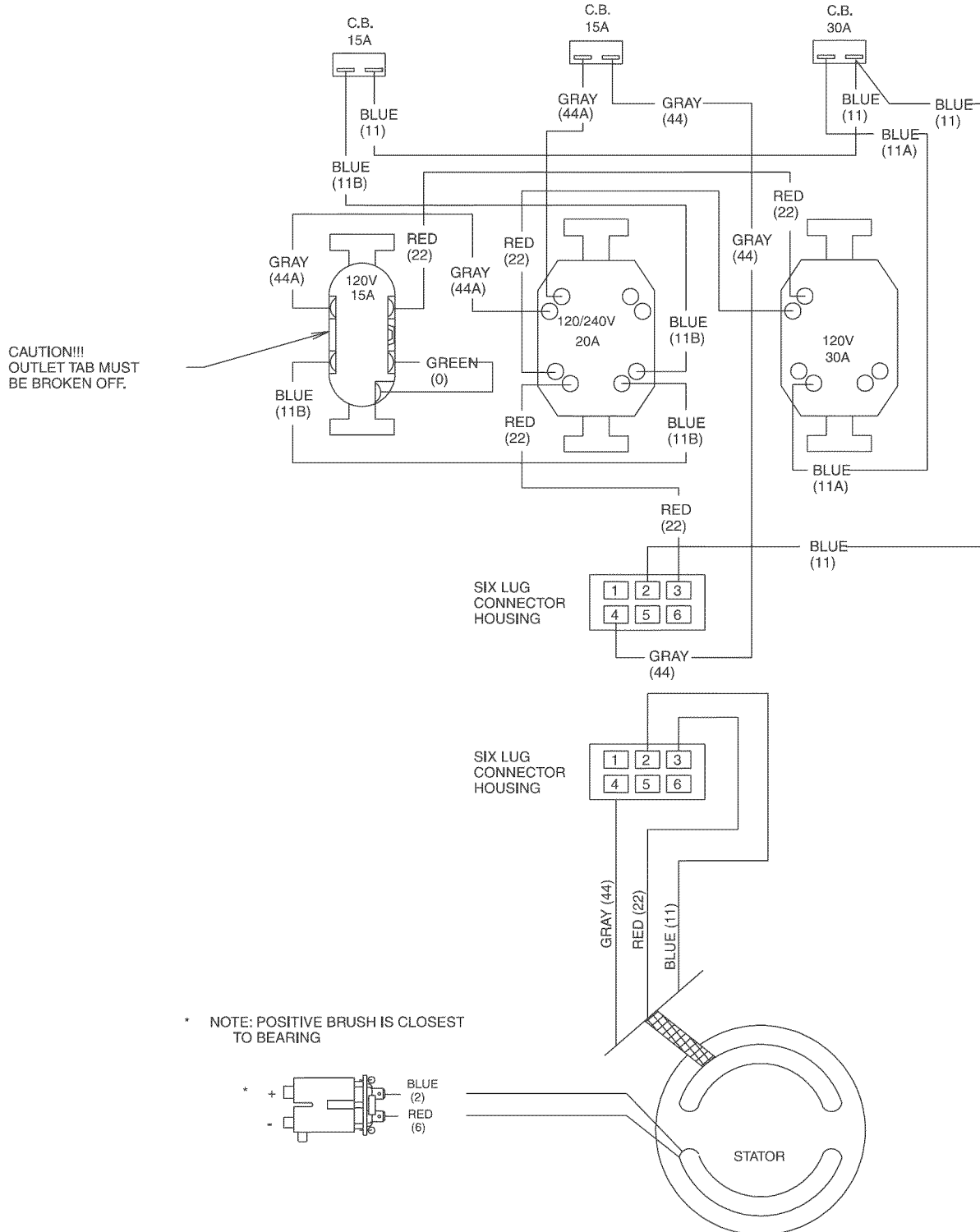
SCHEMATIC



96605



DRAWING # 96605



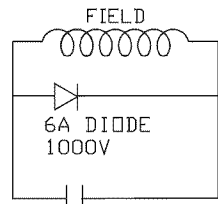
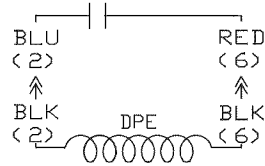
WIRING DIAGRAM



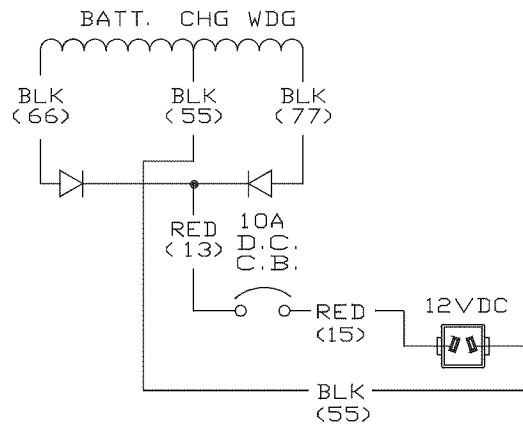
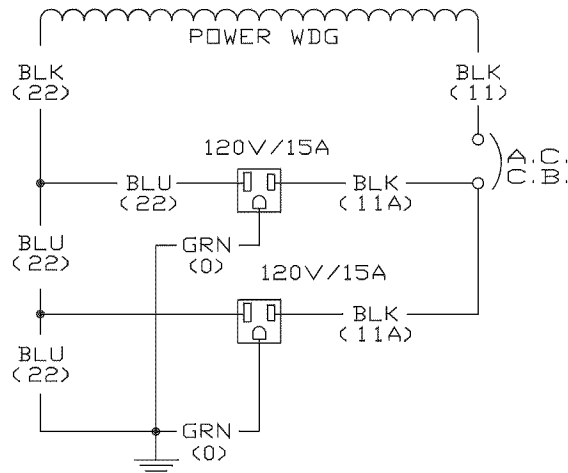
DRAWING # 99697

SCHEMATIC

12.5 $\mu$ F CAPACITOR  
370VAC



.68 $\mu$ F CAPACITOR  
630VDC

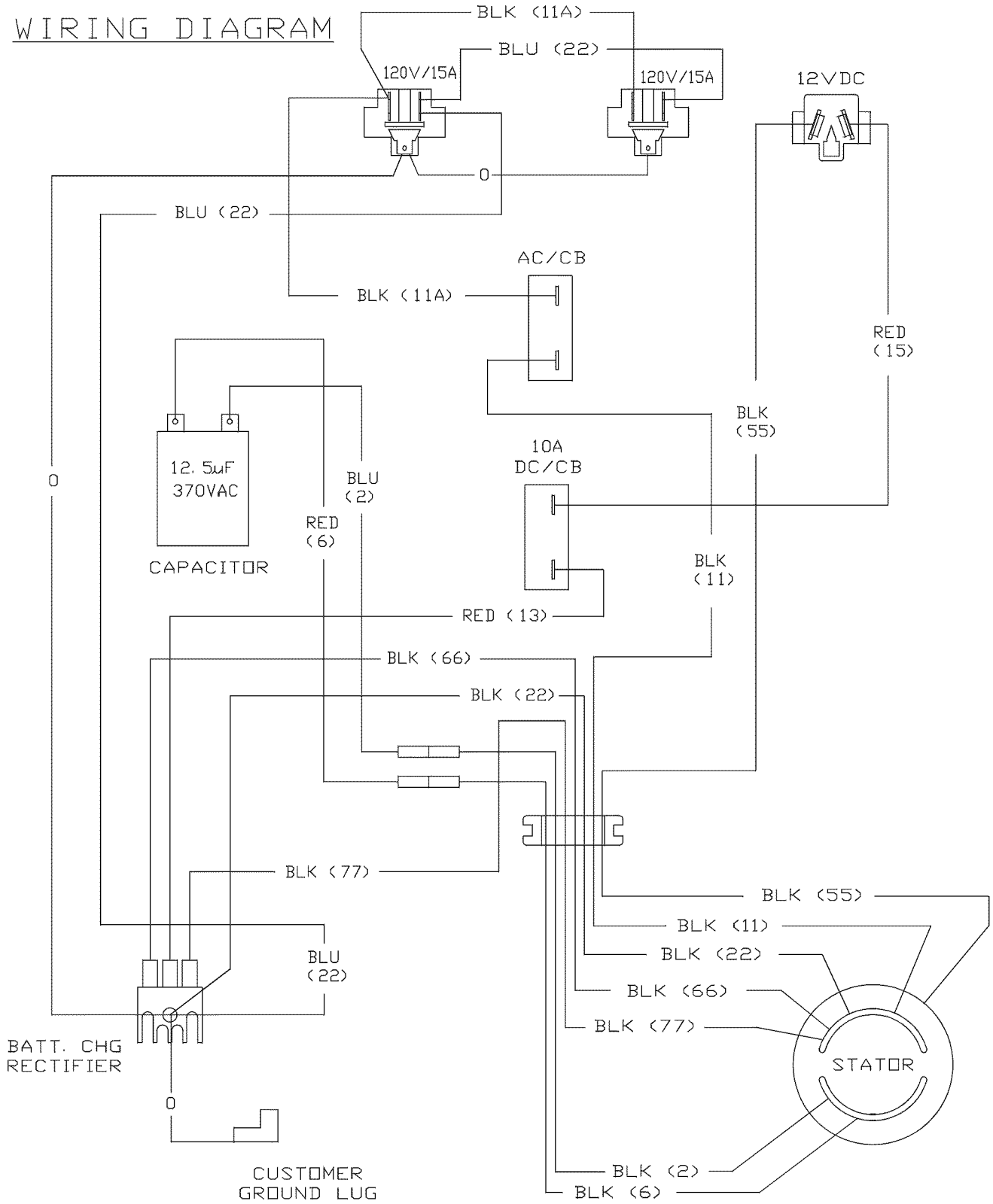


99697



DRAWING # 99697

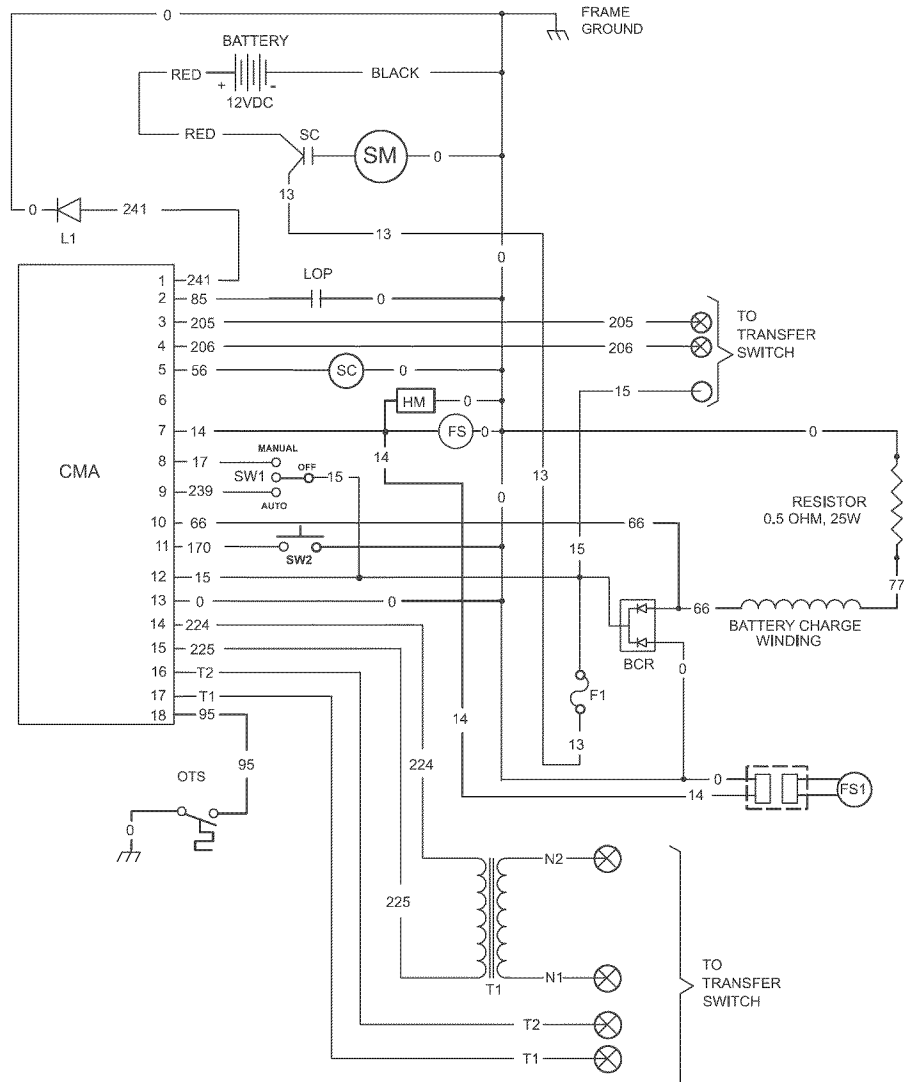
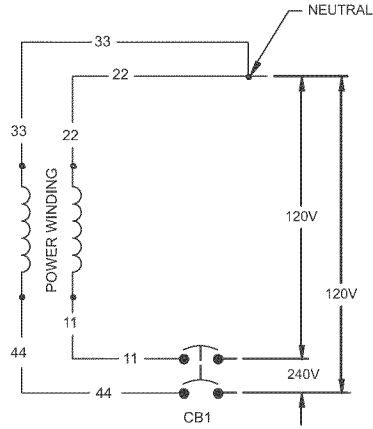
WIRING DIAGRAM



99697



DRAWING # 186029

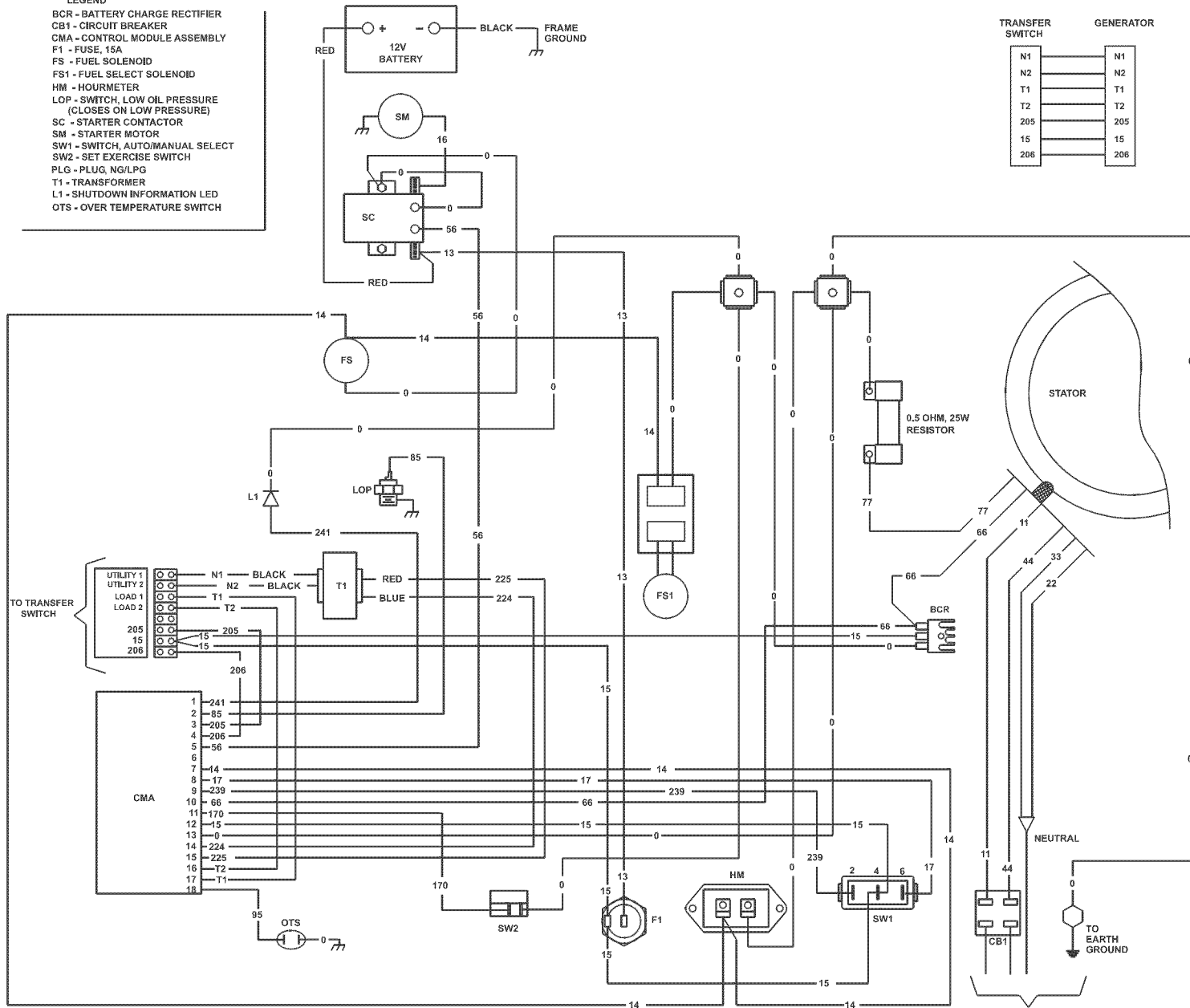
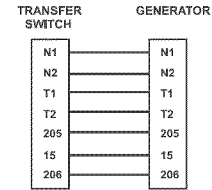


186029



LEGEND

- BCR - BATTERY CHARGE RECTIFIER
- CB1 - CIRCUIT BREAKER
- CMA - CONTROL MODULE ASSEMBLY
- F1 - FUSE, 15A
- FS - FUEL SOLENOID
- FS1 - FUEL SELECT SOLENOID
- HM - HOURMETER
- LOP - SWITCH, LOW OIL PRESSURE (CLOSES ON LOW PRESSURE)
- SC - STARTER CONTACTOR
- SM - STARTER MOTOR
- SW1 - SWITCH, AUTO/MANUAL SELECT
- SW2 - SET EXERCISE SWITCH
- PLG - PLUG, NG/LPG
- T1 - TRANSFORMER
- L1 - SHUTDOWN INFORMATION LED
- OTS - OVER TEMPERATURE SWITCH



CONNECT PLUG WHEN USING PROPANE FUEL  
DISCONNECT WHEN USING NATURAL GAS

DRAWING # 186029

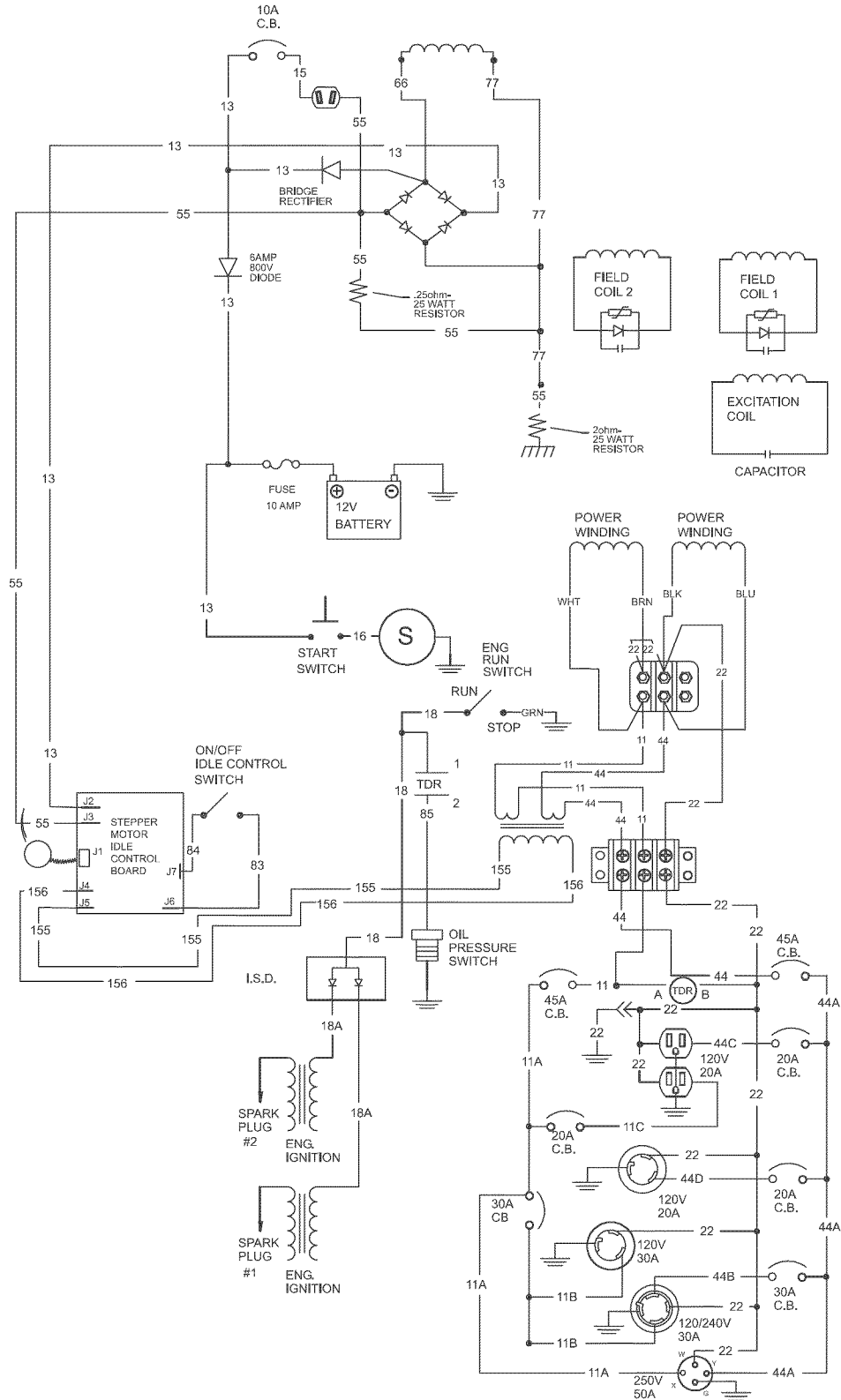
Section 4 Schematics & Wiring Diagrams



186029

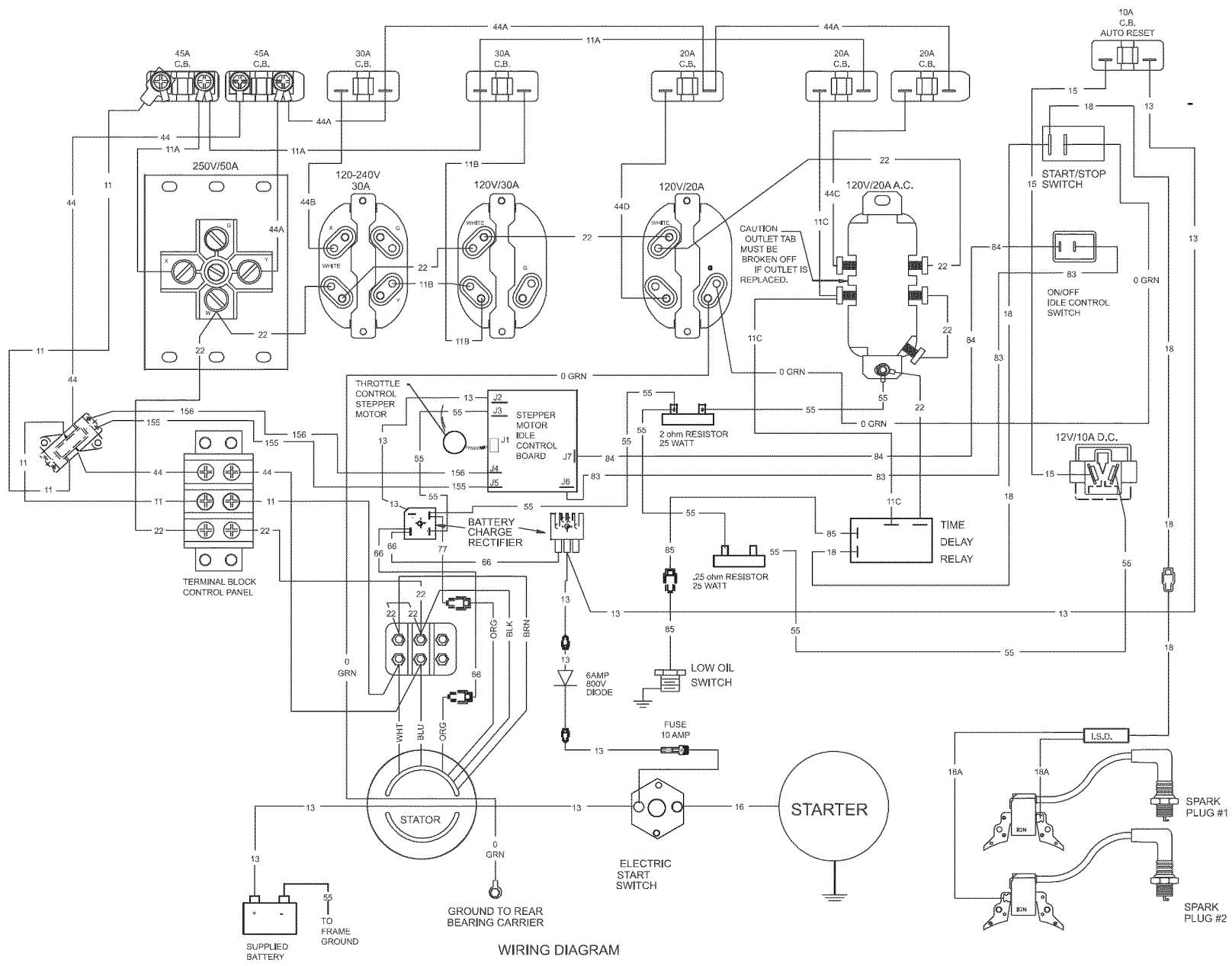


DRAWING #186091



SCHEMATIC

186091



WIRING DIAGRAM

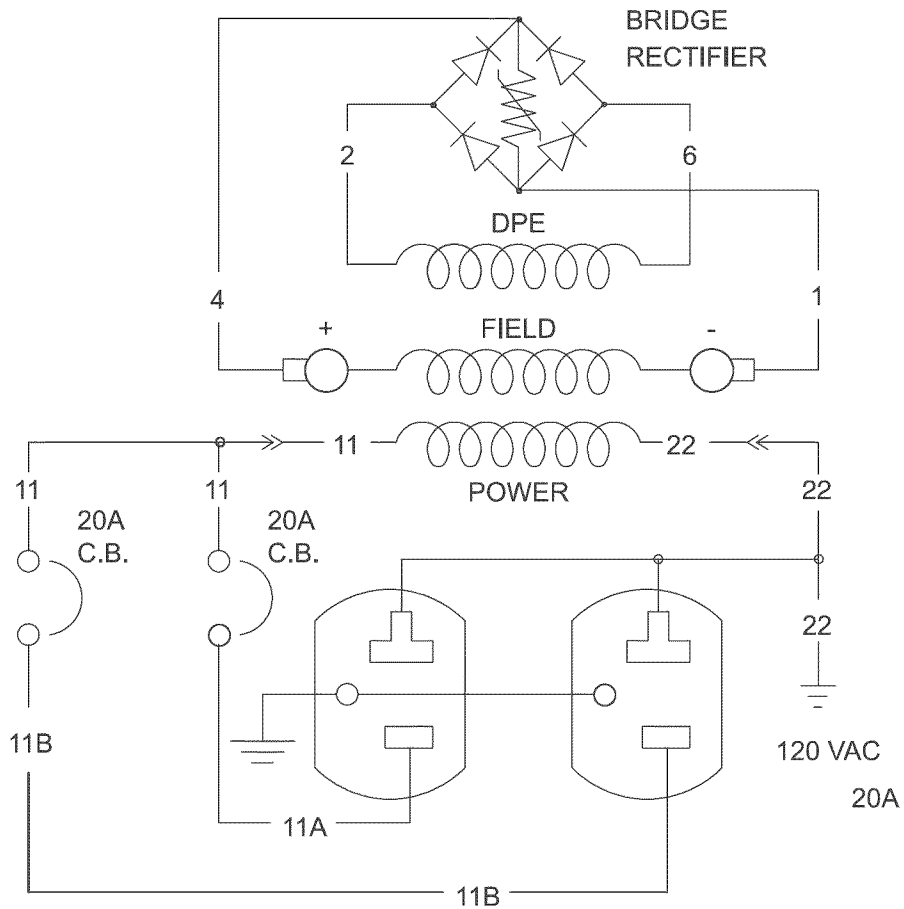
DRAWING #186091



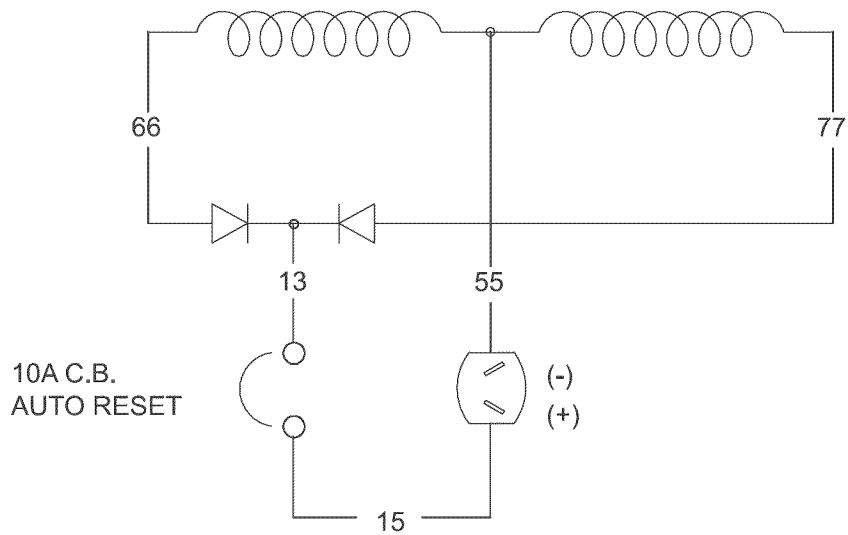


DRAWING # 186957

SCHEMATIC

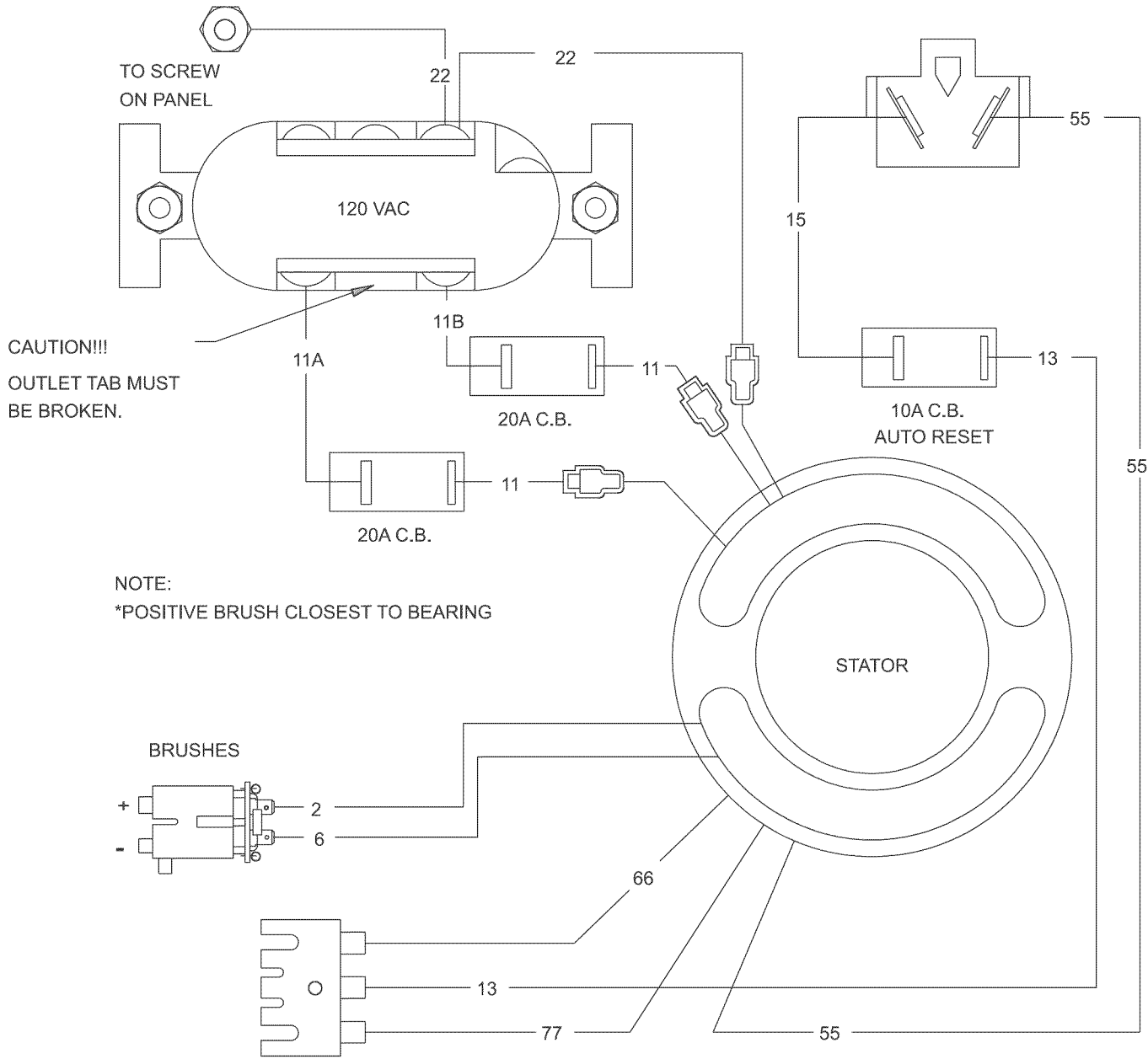


BATTERY CHARGER



186957

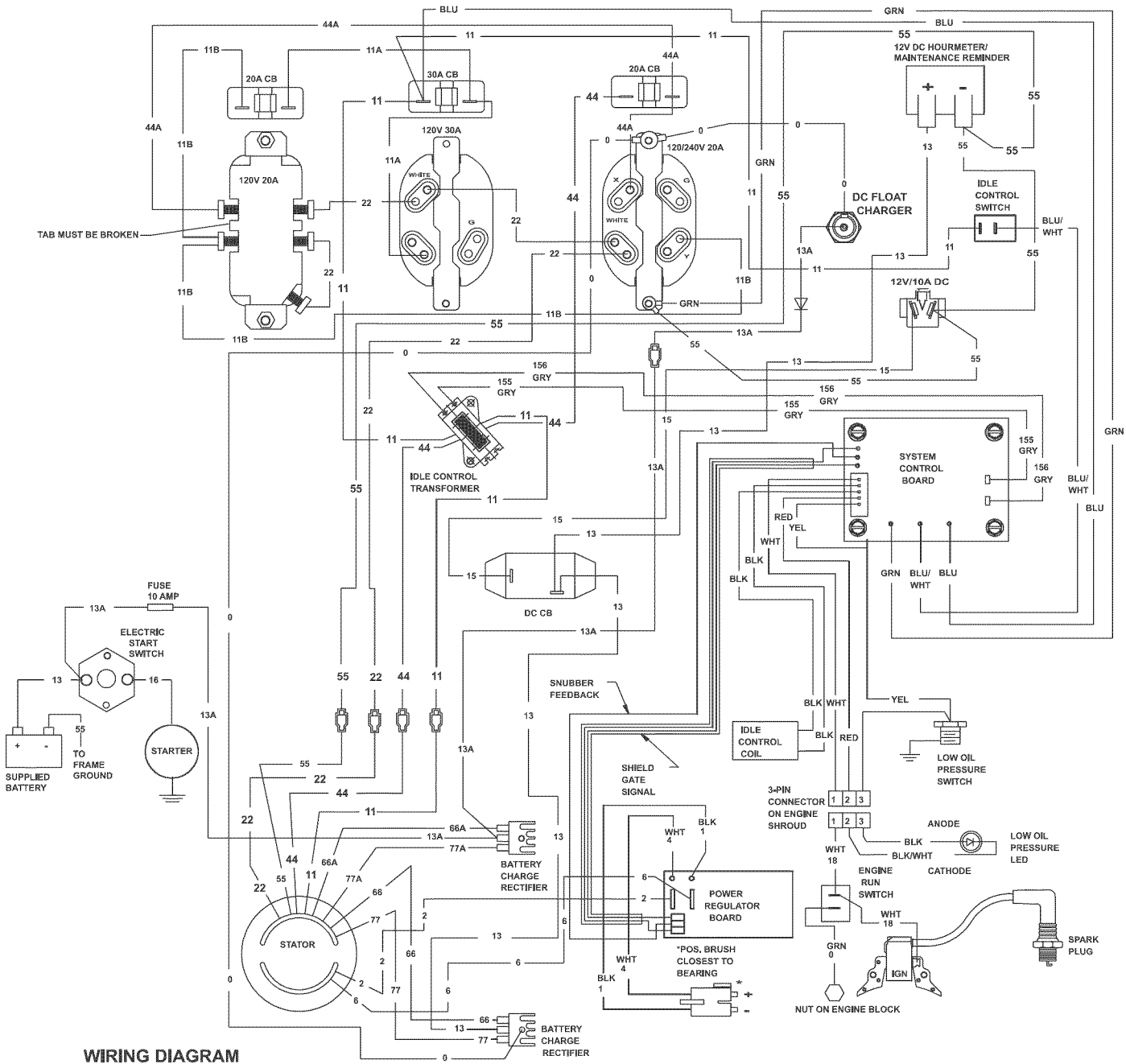
WIRING DIAGRAM



DRAWING # 186957







WIRING DIAGRAM

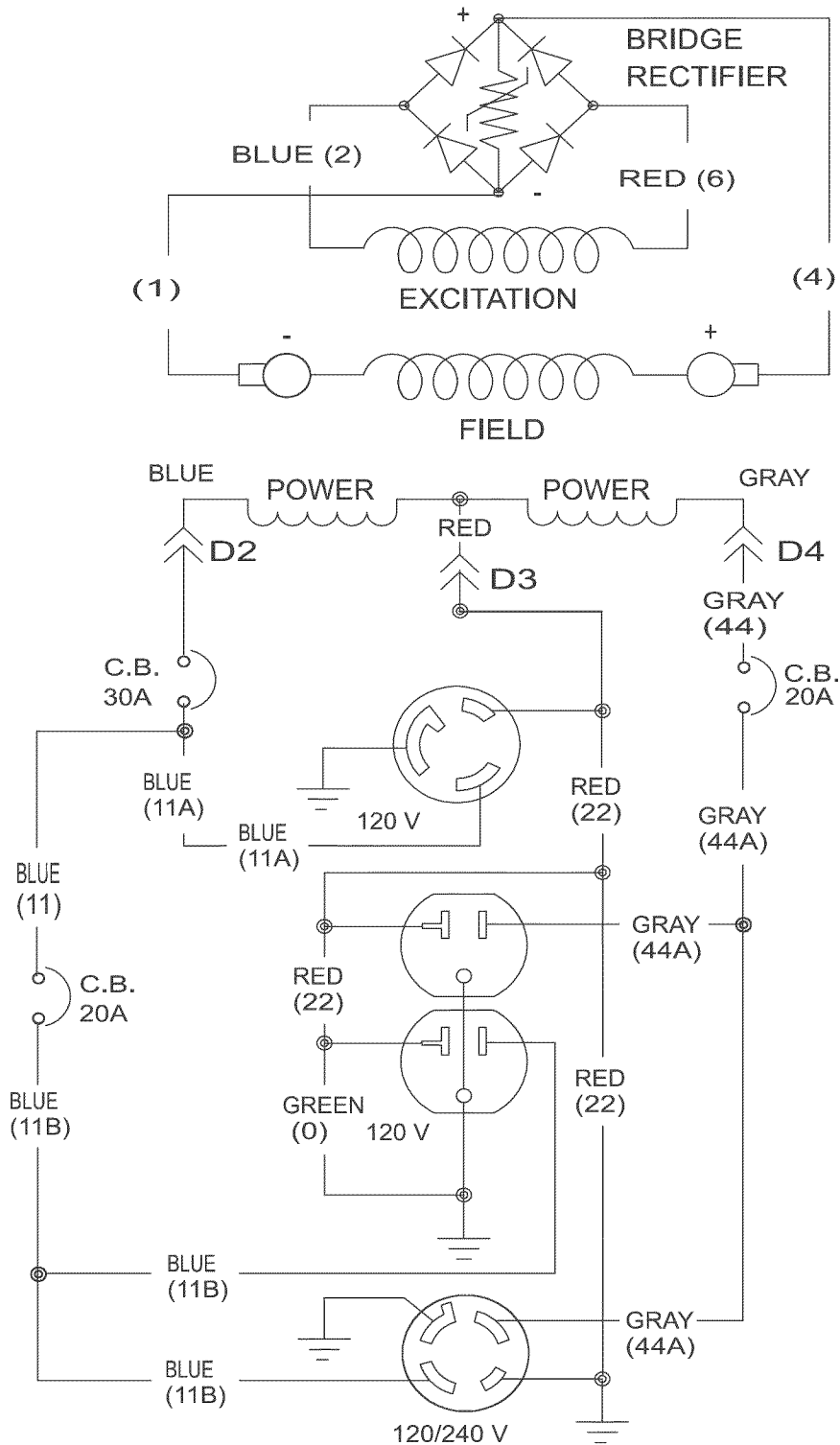
DRAWING # 187006





DRAWING # 187146

# SCHEMATIC



187146

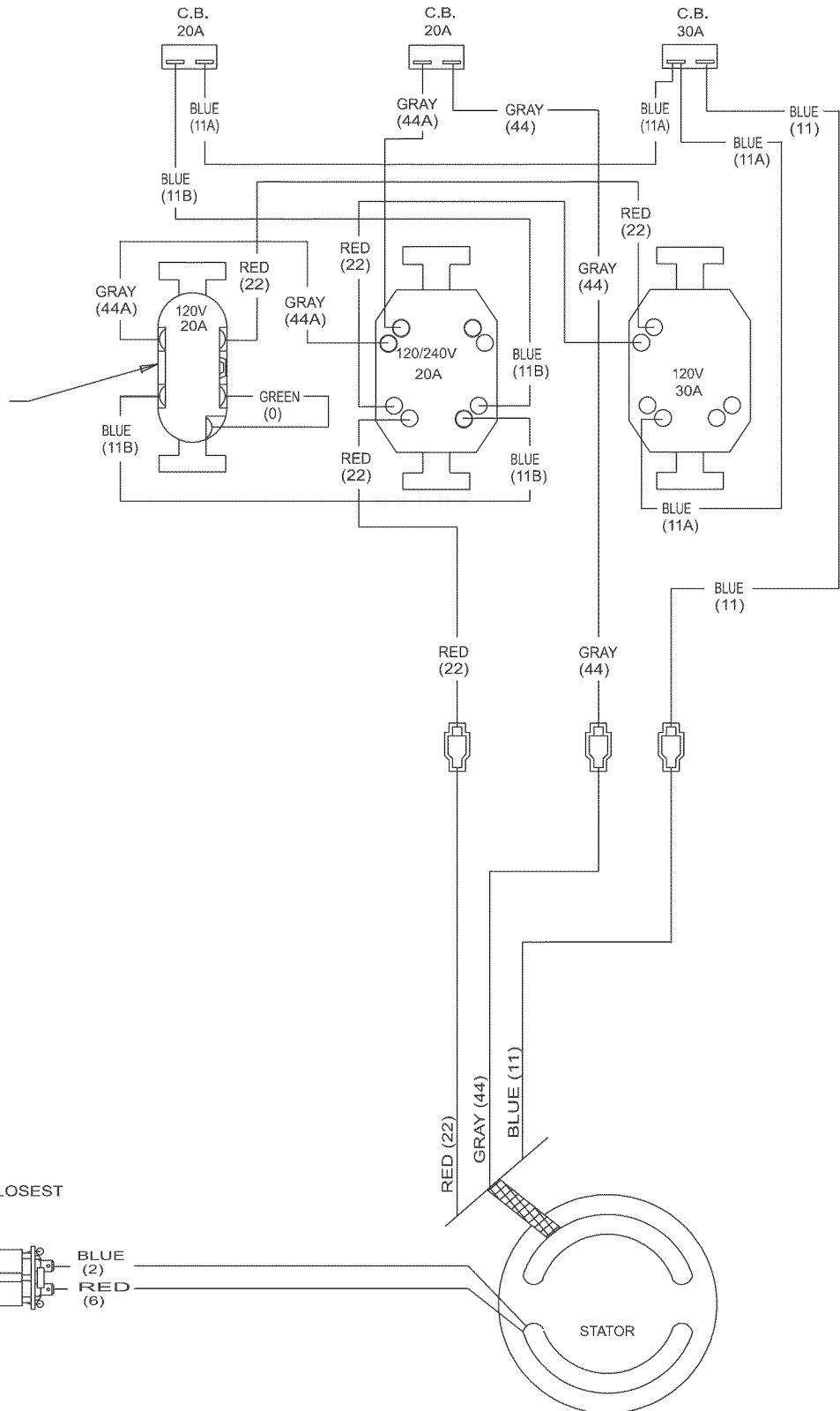




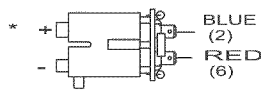
DRAWING # 187146

WIRING DIAGRAM

CAUTION!!!  
OUTLET TAB MUST  
BE BROKEN OFF.



\* NOTE: POSITIVE BRUSH IS CLOSEST TO BEARING

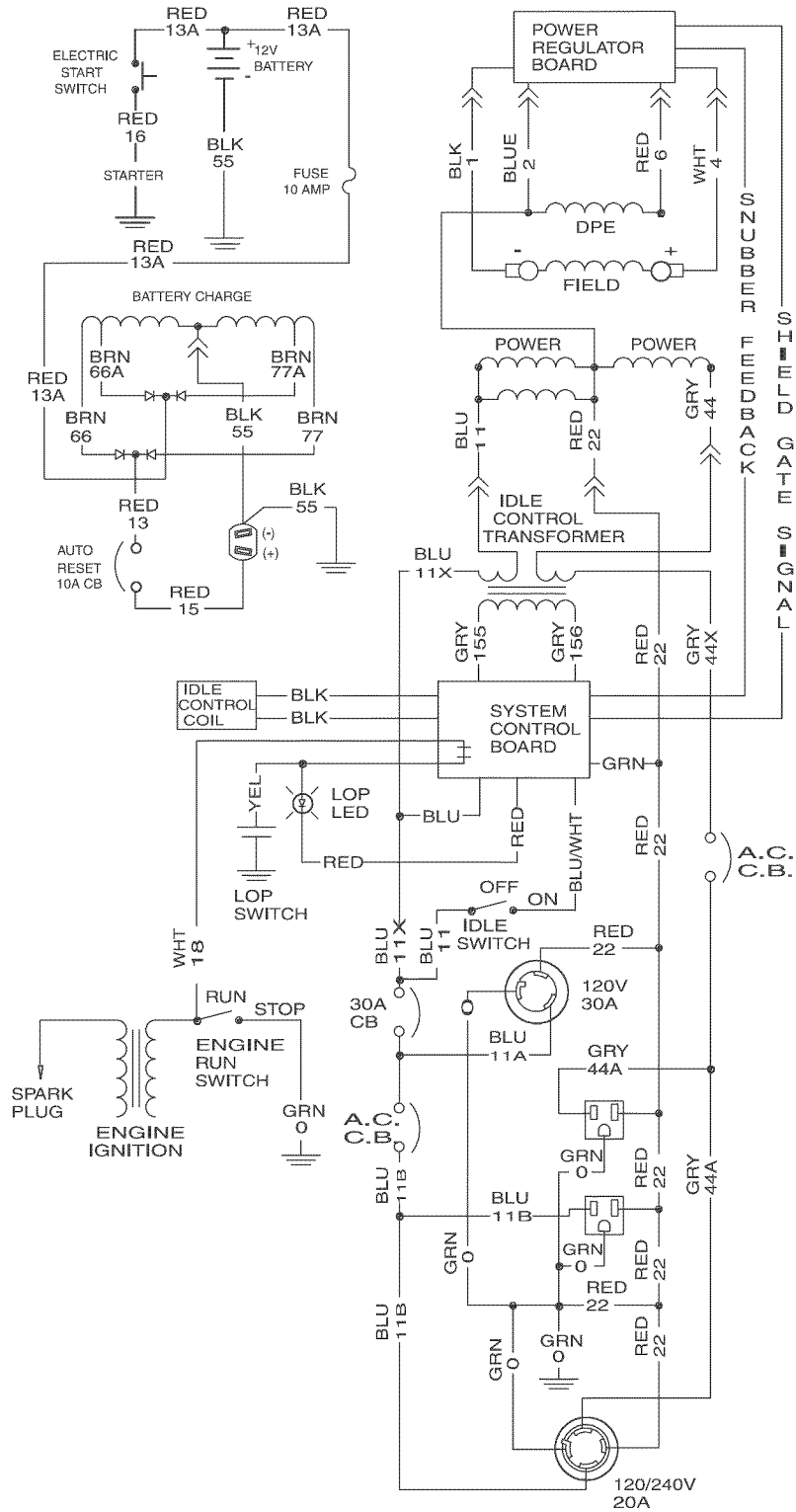


187146



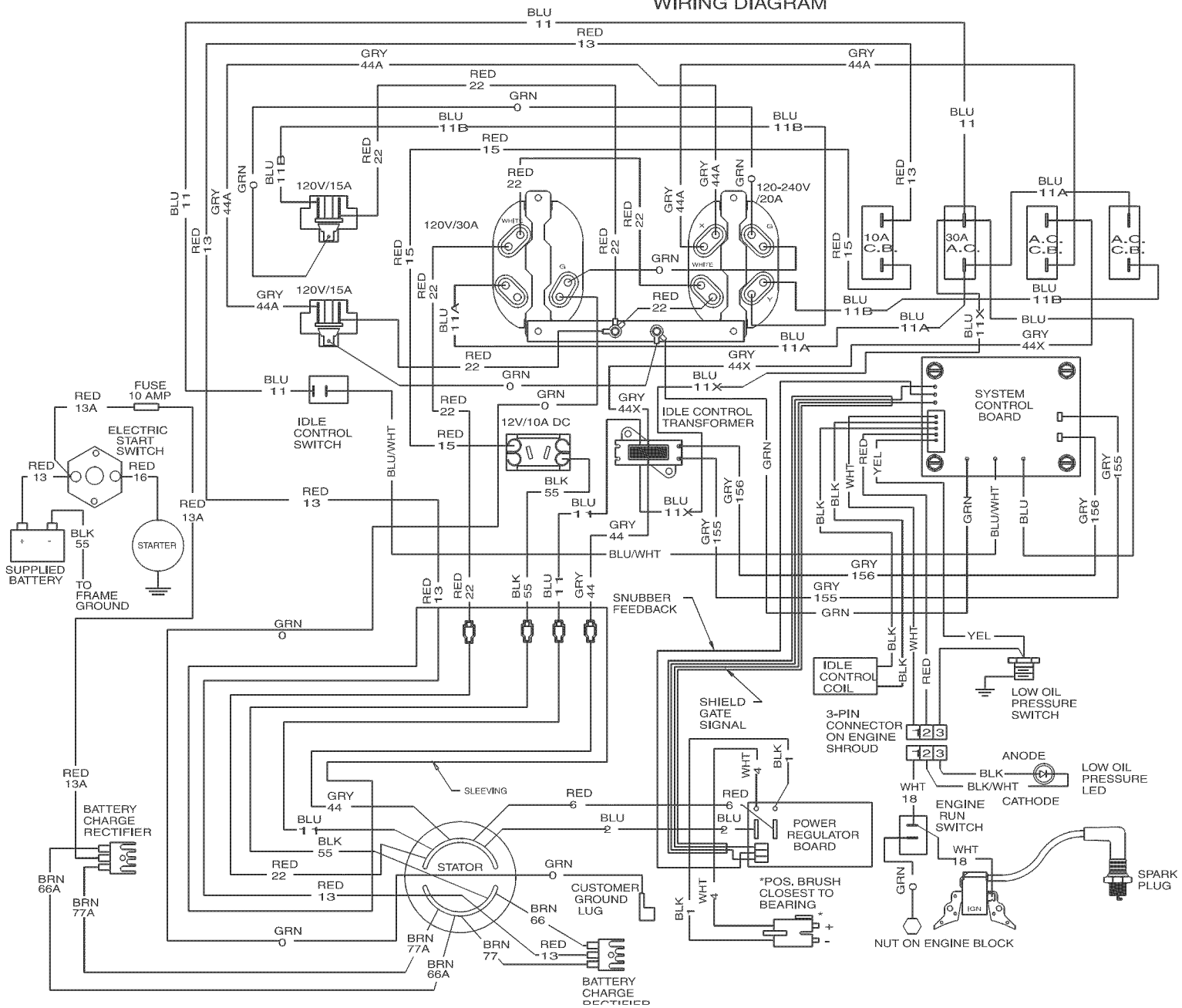
DRAWING # 187359

SCHEMATIC



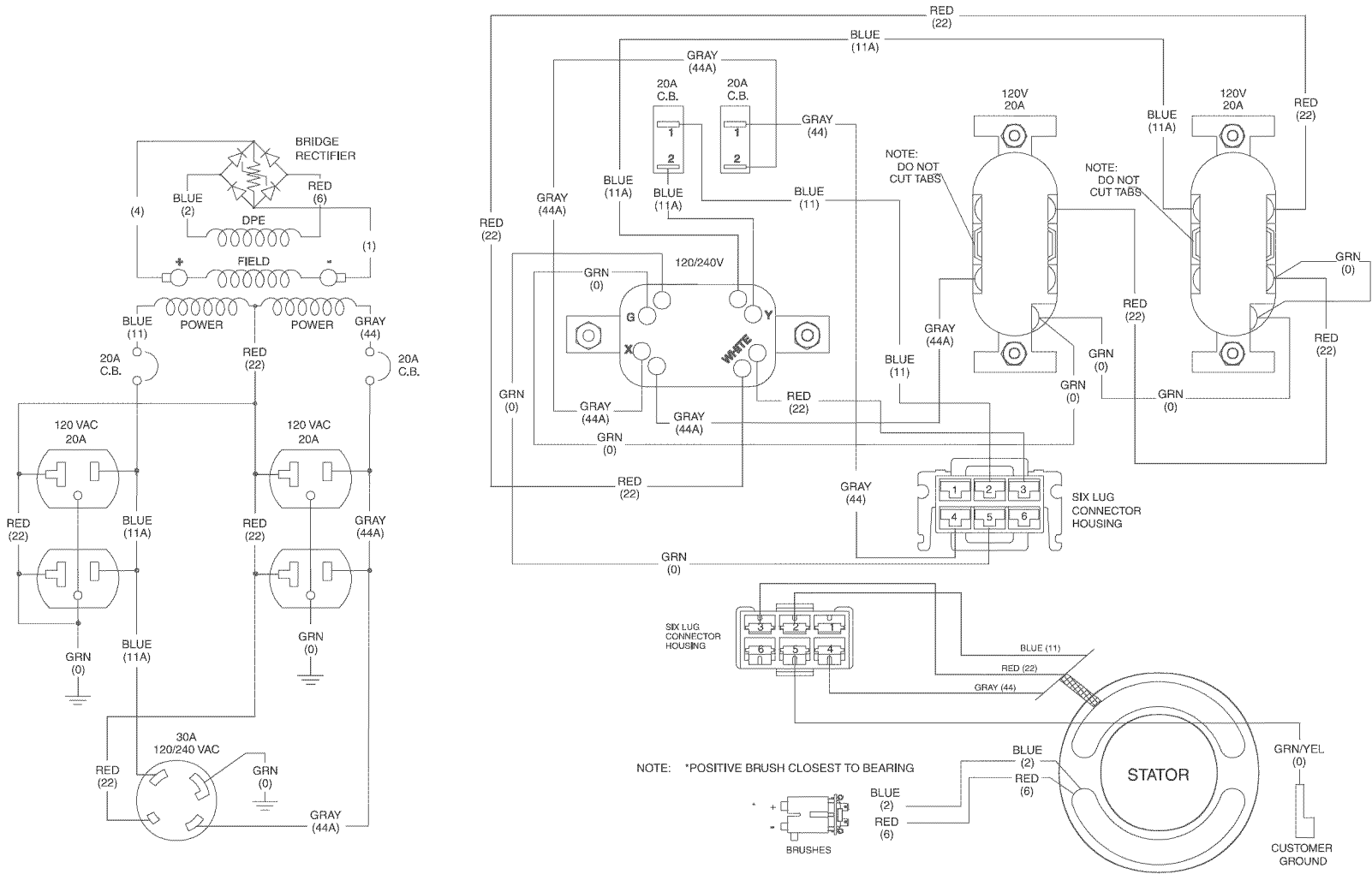
187359

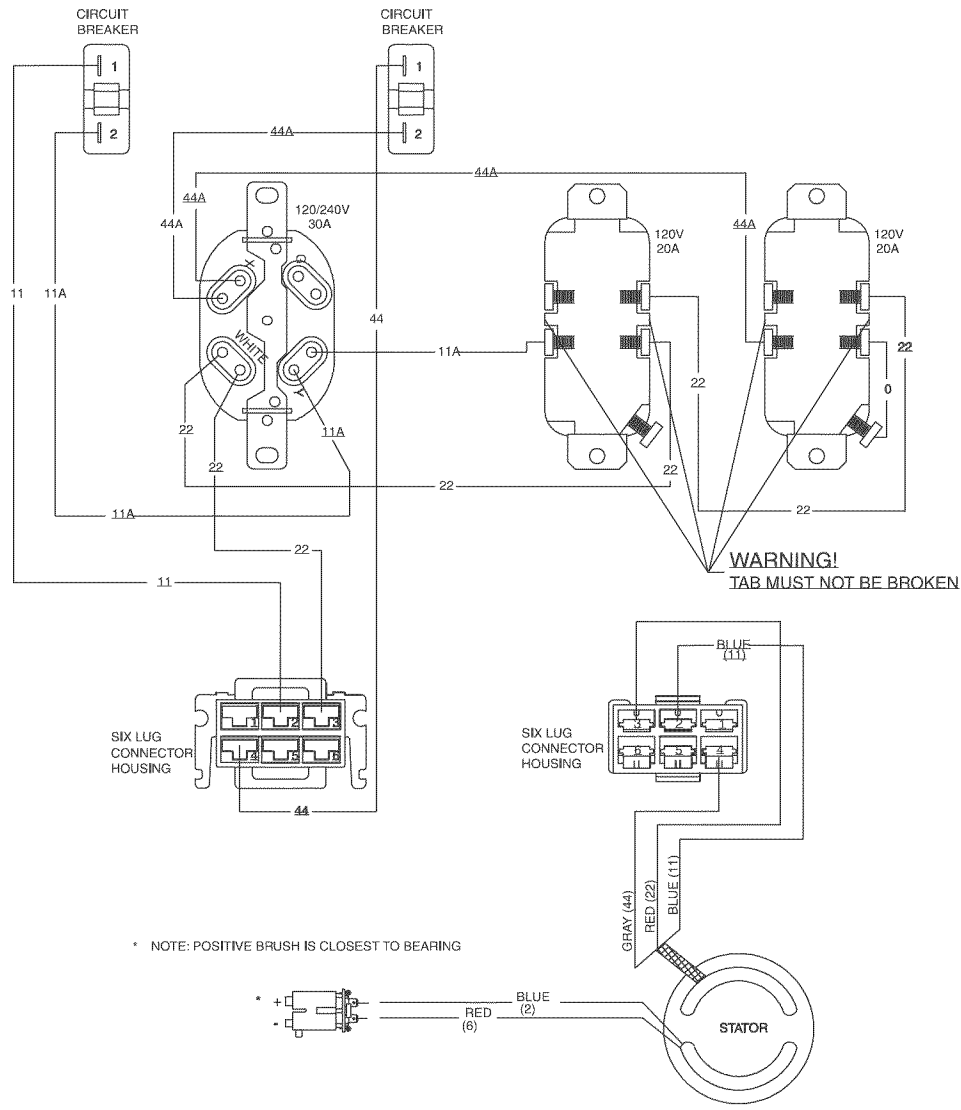
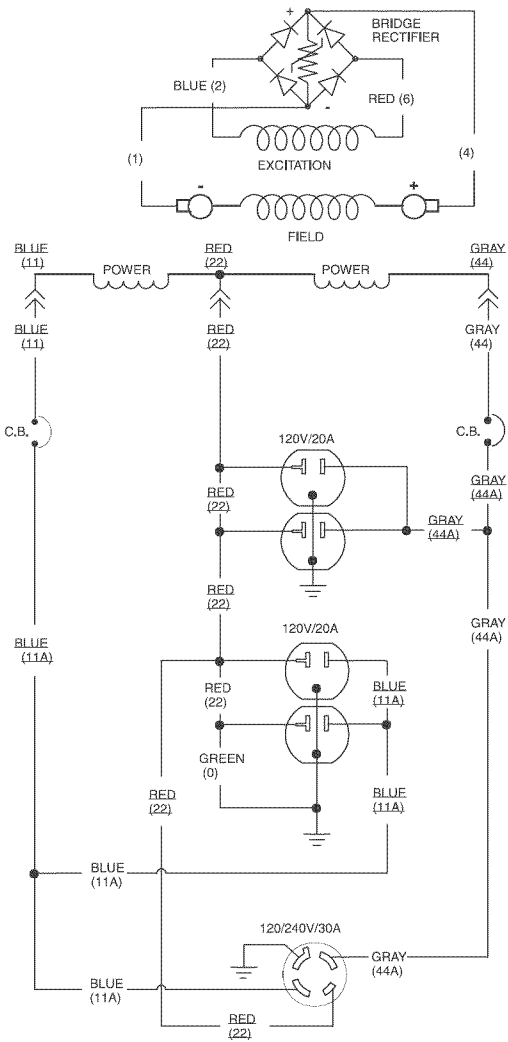
# WIRING DIAGRAM





DRAWING # 188978

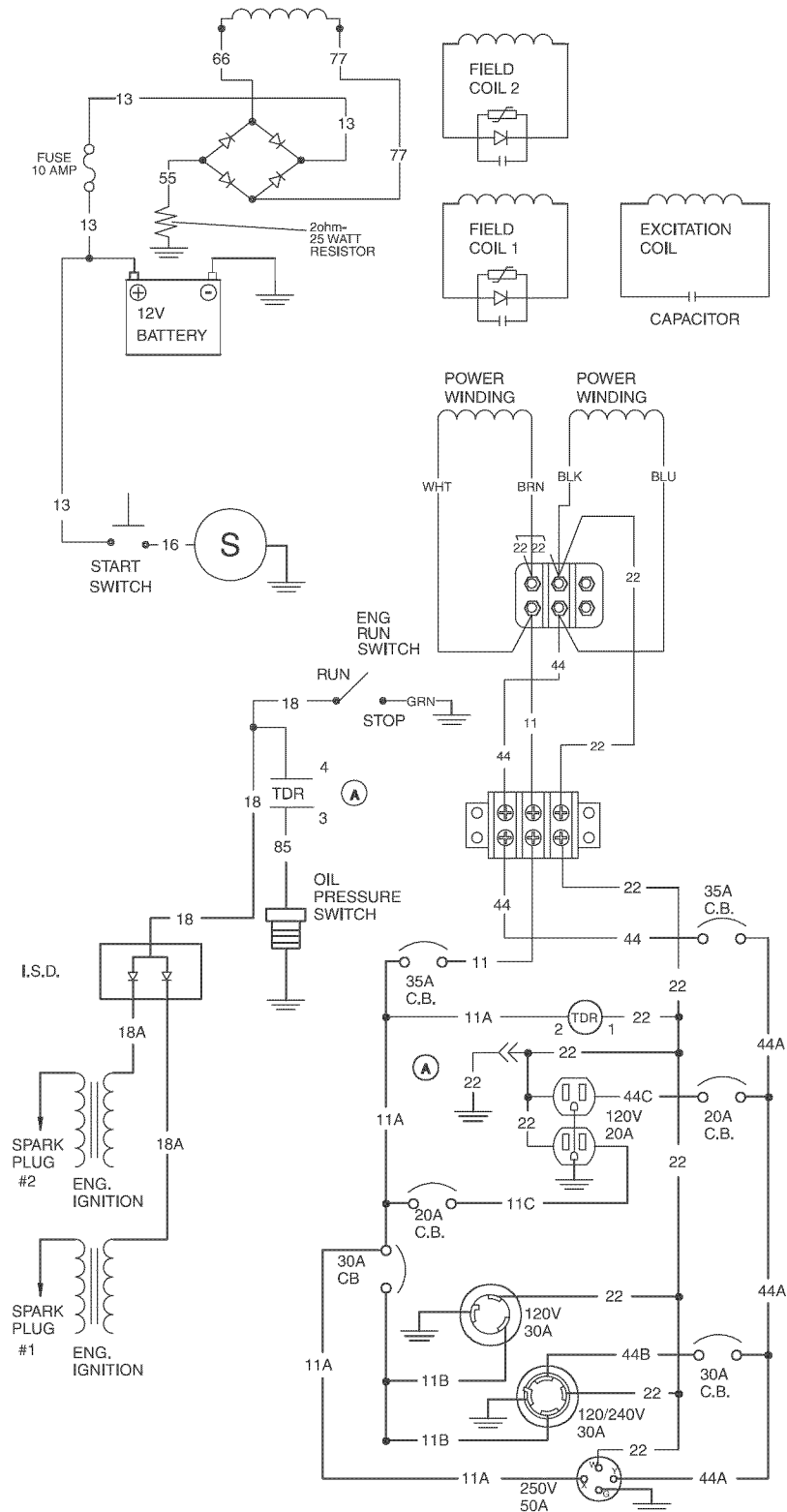




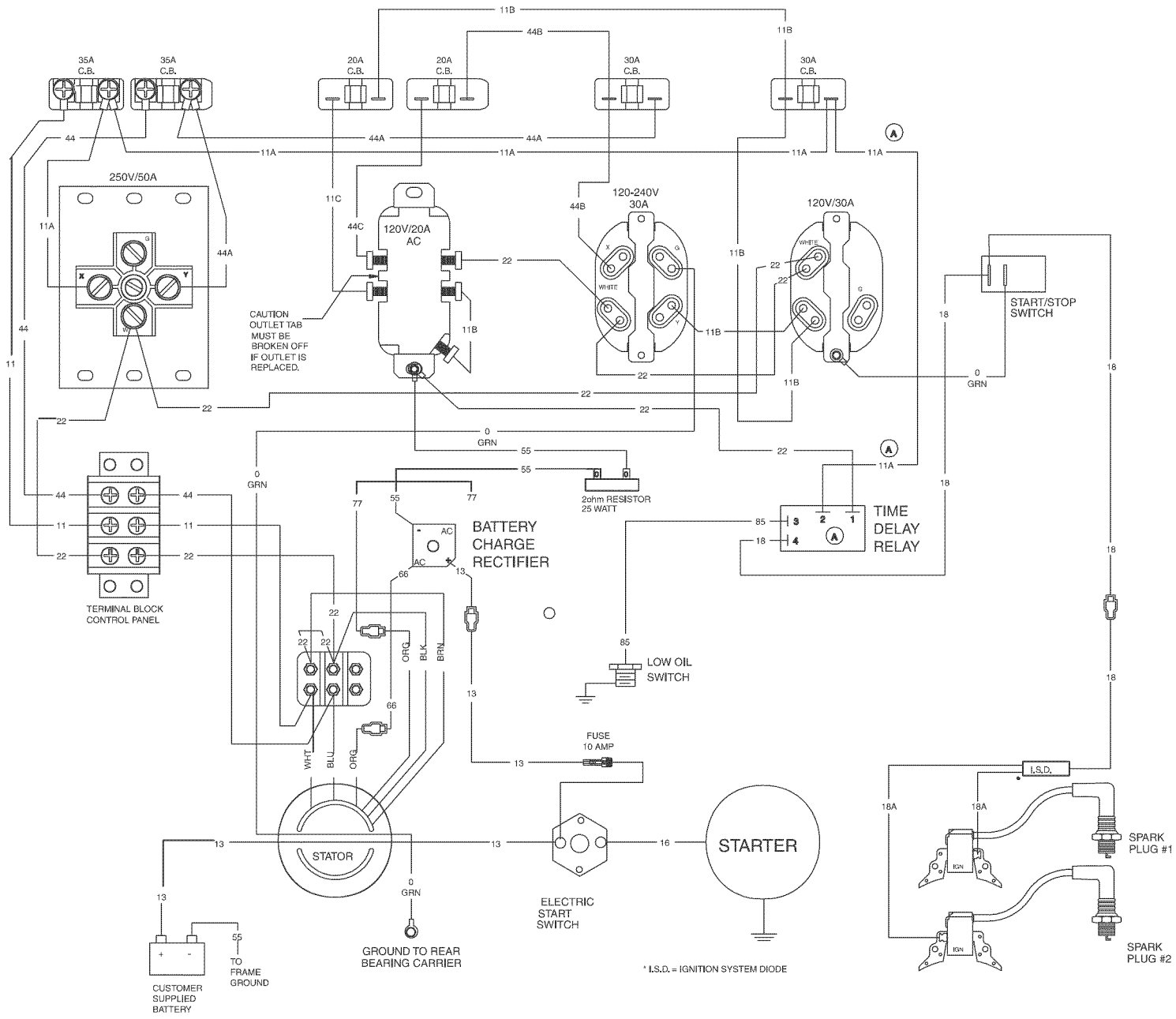


Section 4 Schematics & Wiring Diagrams

DRAWING # 189075



189075



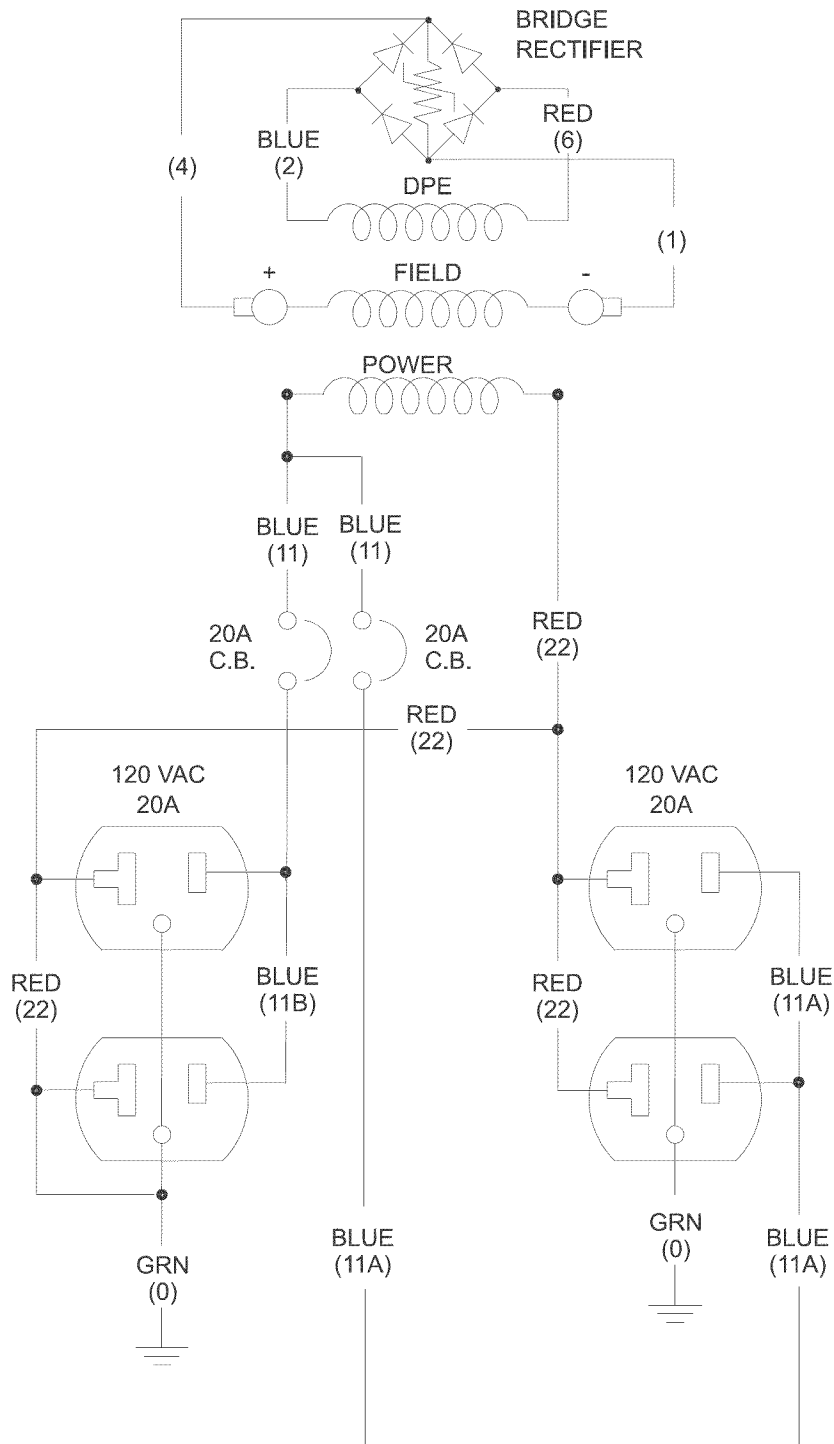
DRAWING # 189075





DRAWING # 189171

SCHEMATIC



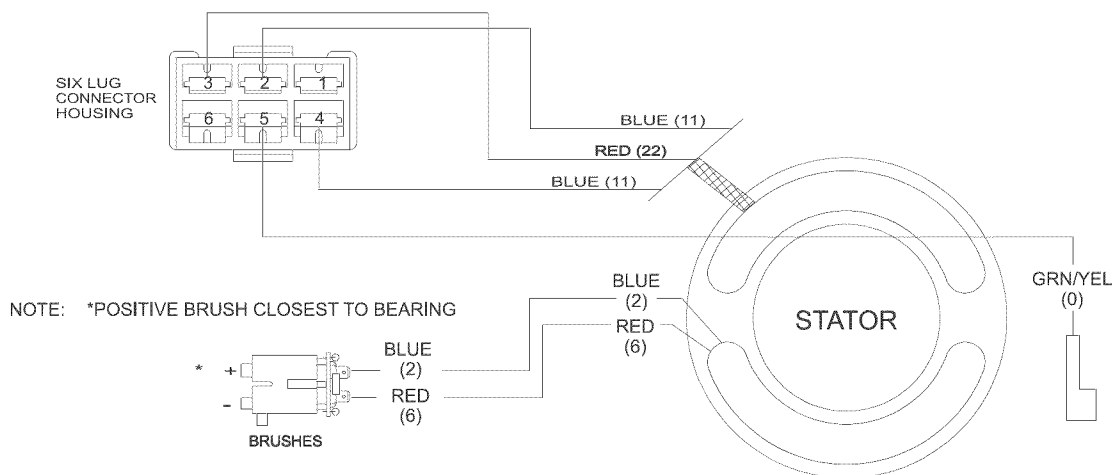
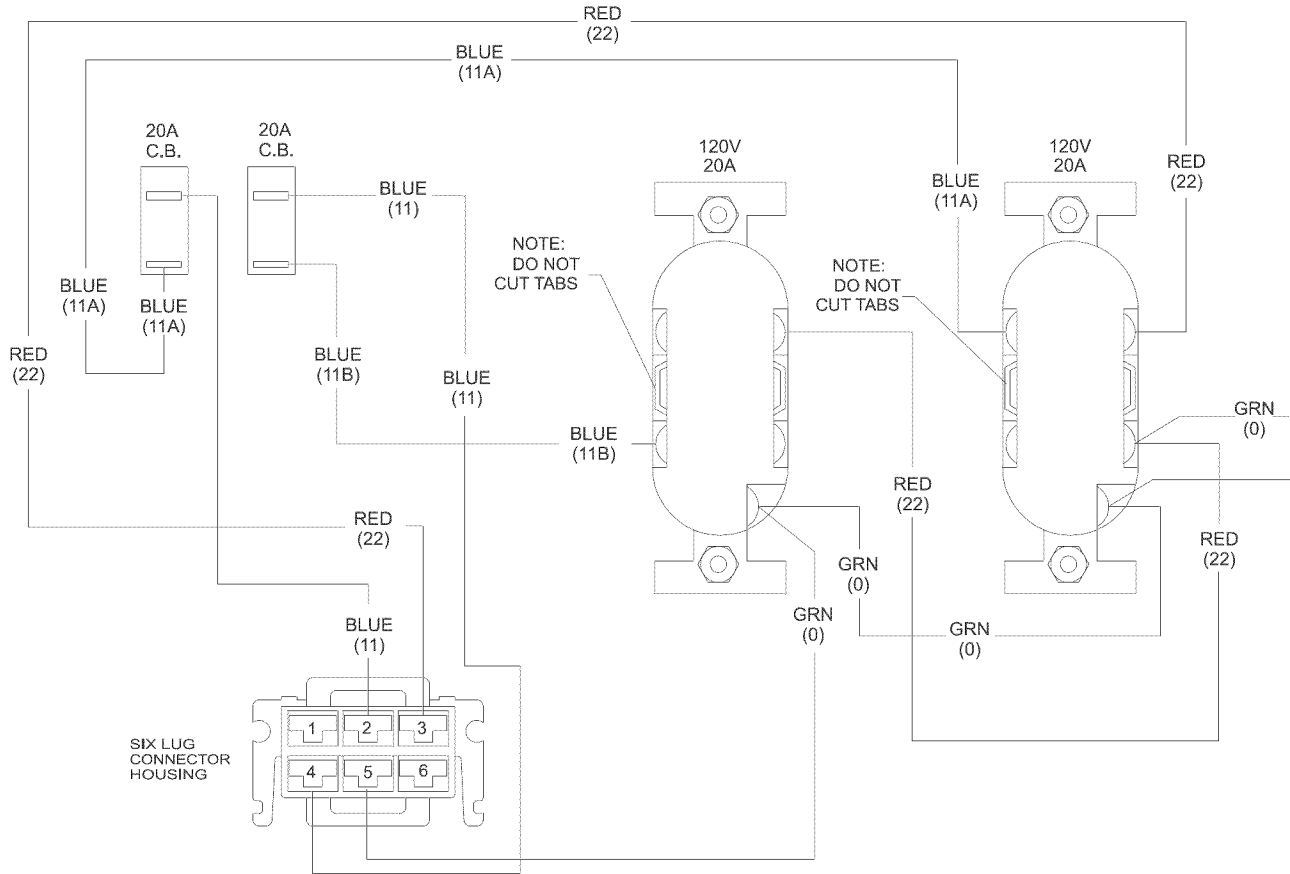
189171





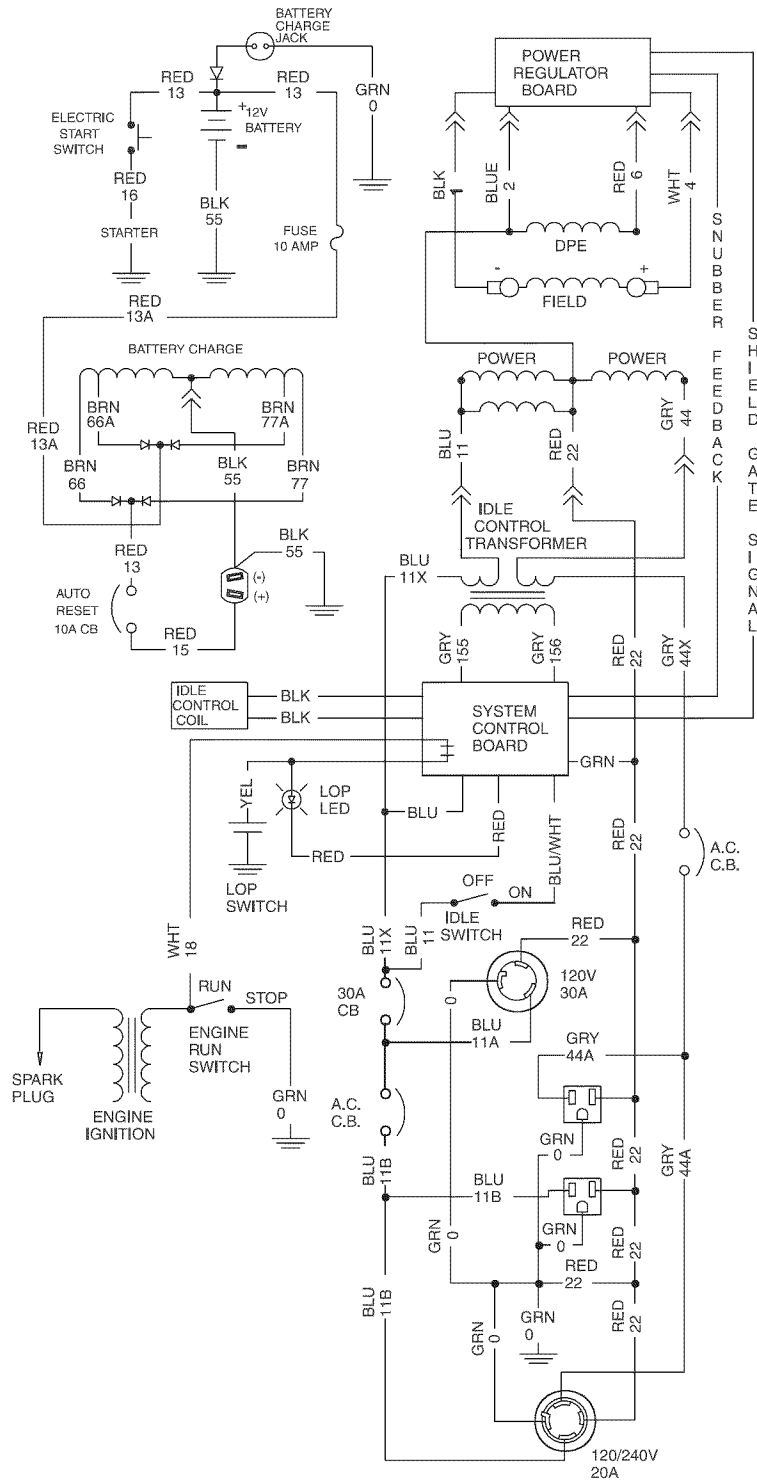
DRAWING # 189171

WIRING DIAGRAM

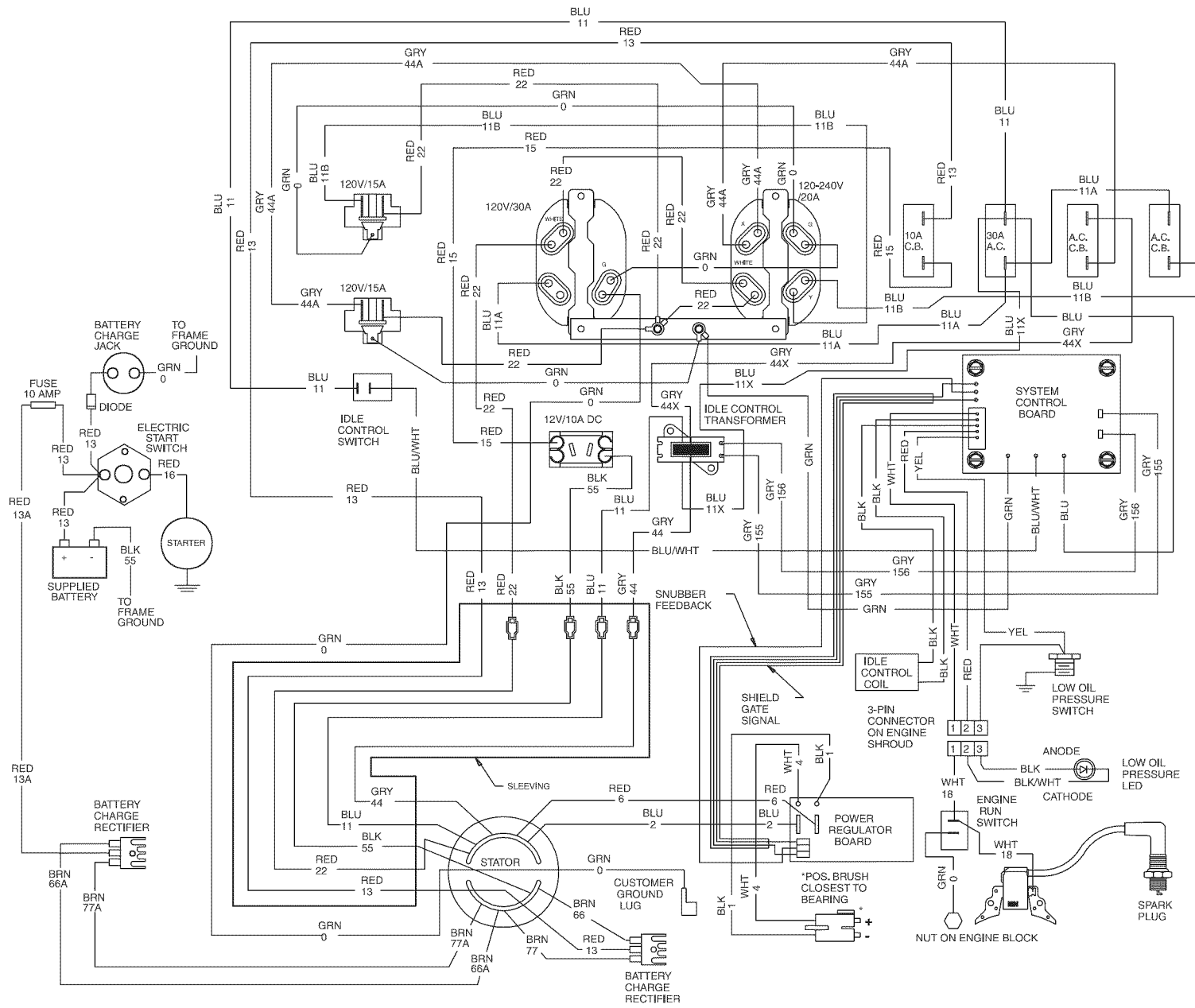




DRAWING # I89I88



I89I88



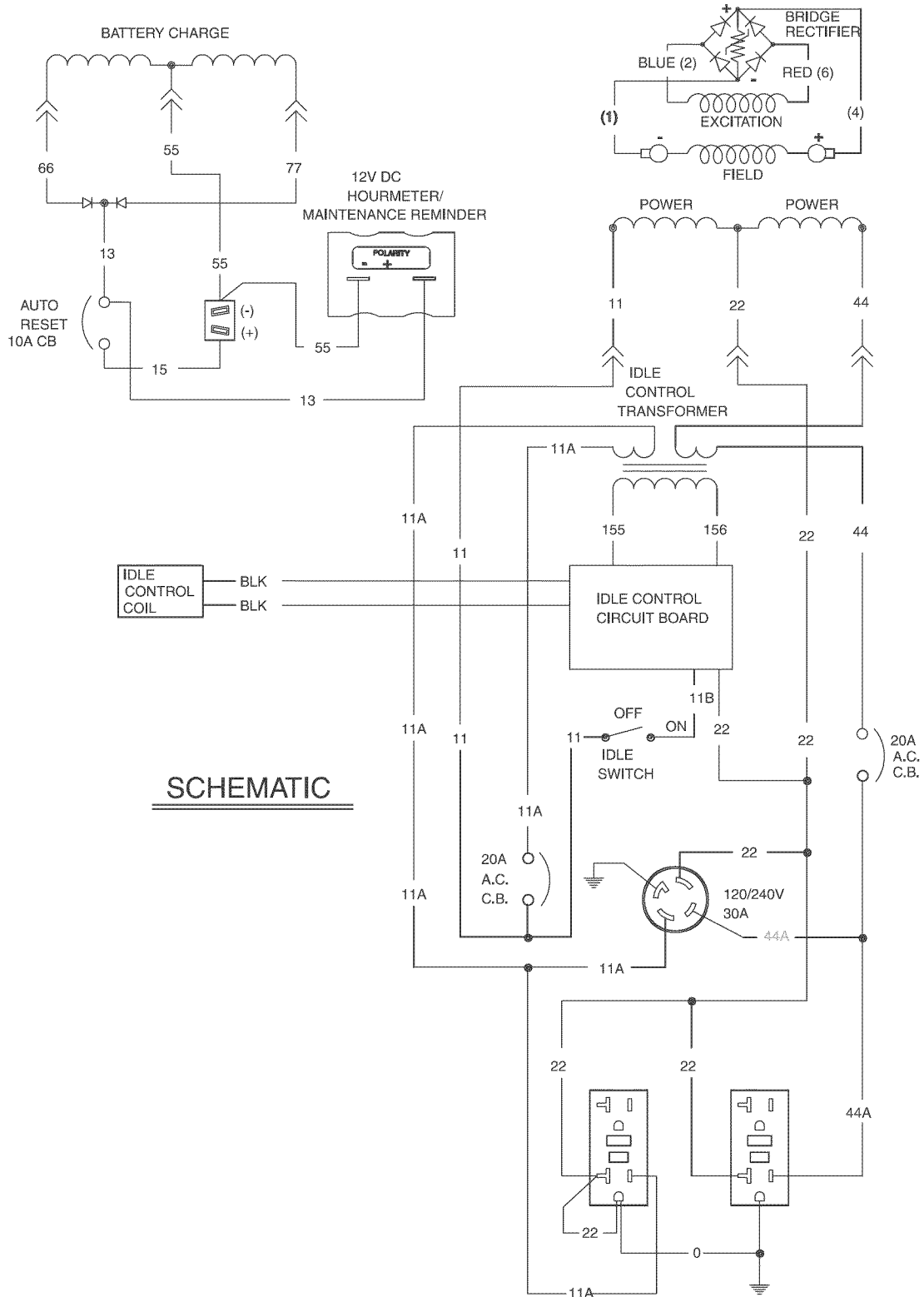
DRAWING # 189188

Section 4 Schematics & Wiring Diagrams





DRAWING # 189271

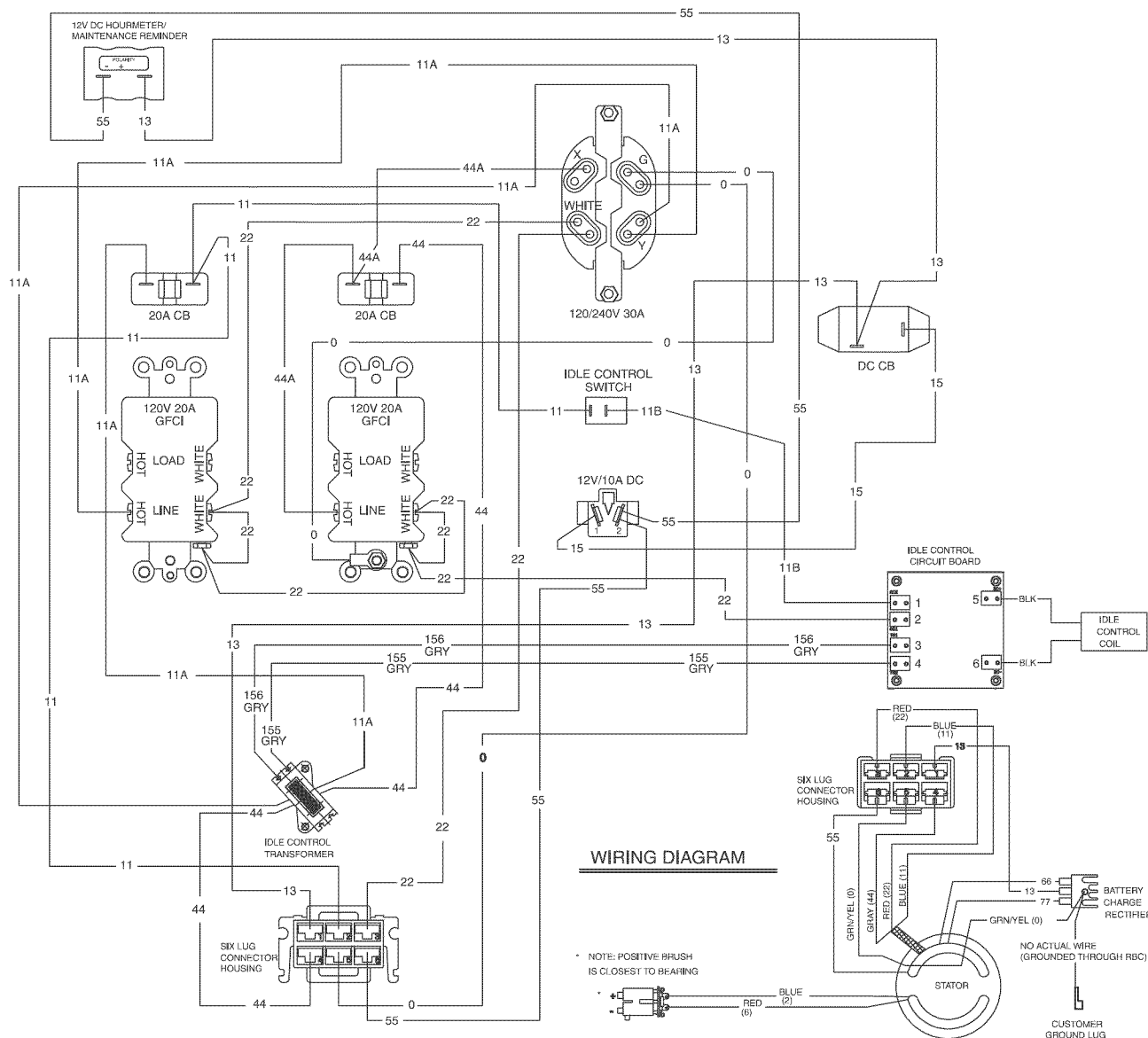


SCHEMATIC

189271



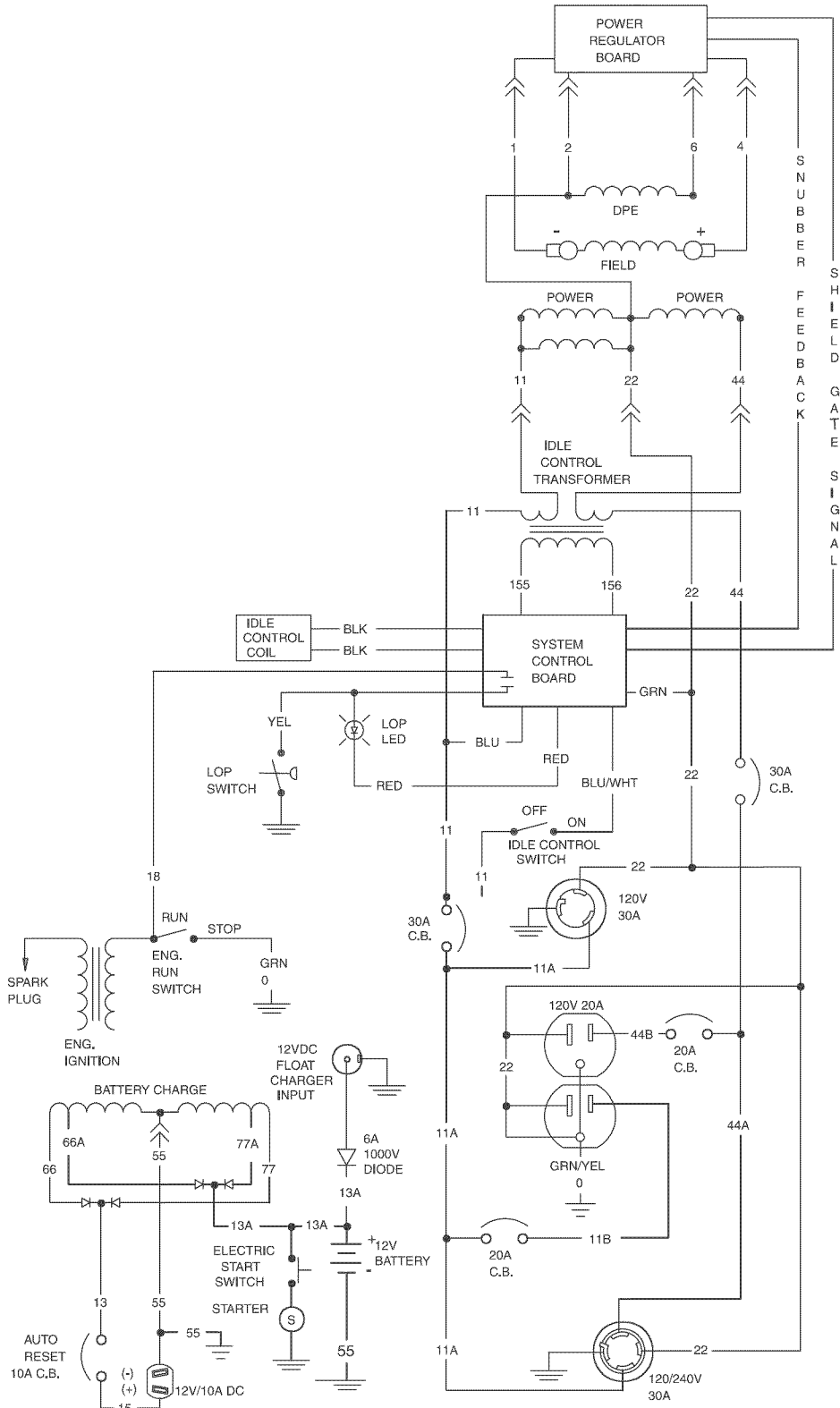
DRAWING # 189271



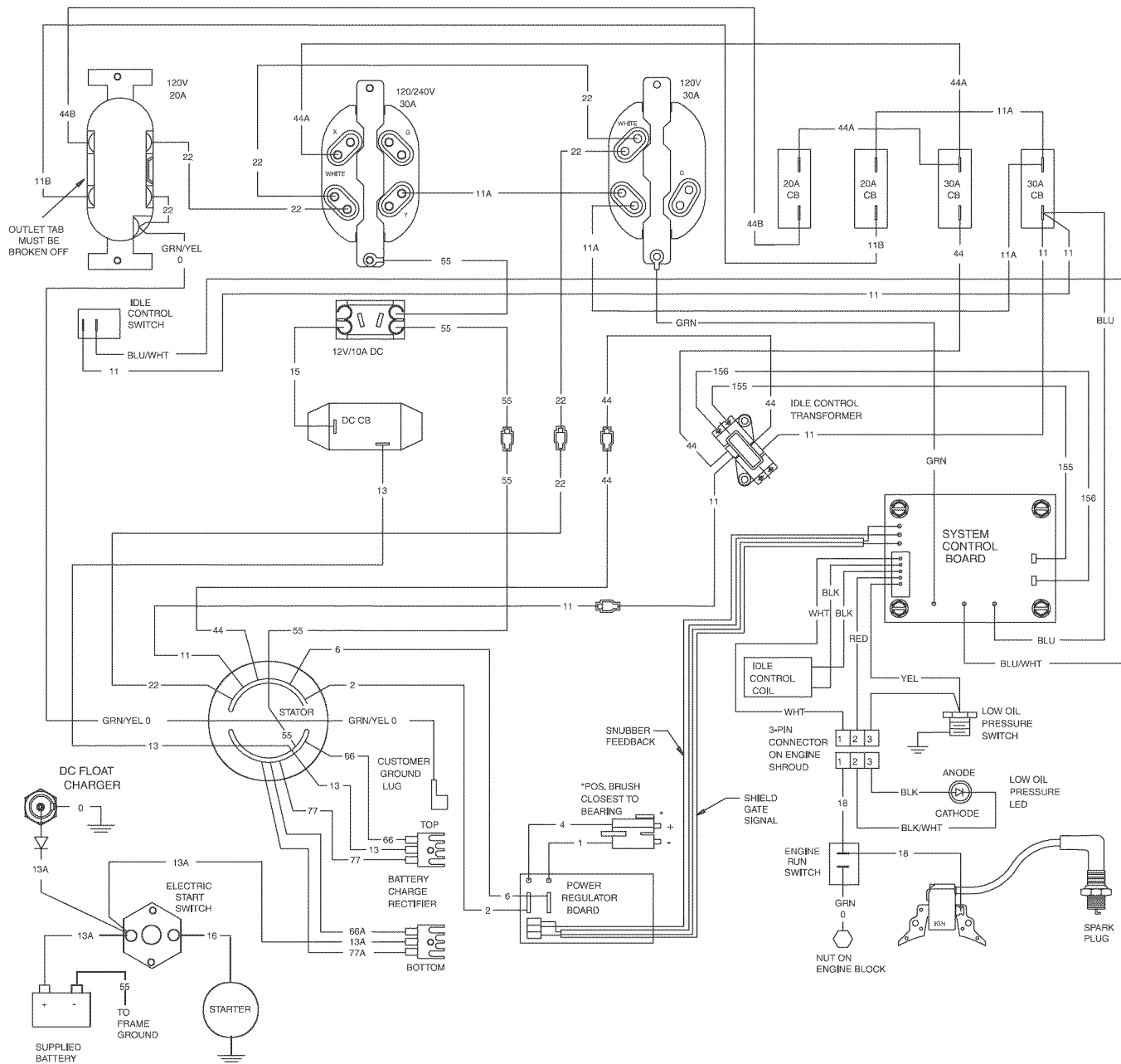
189271



DRAWING # 189348



189348

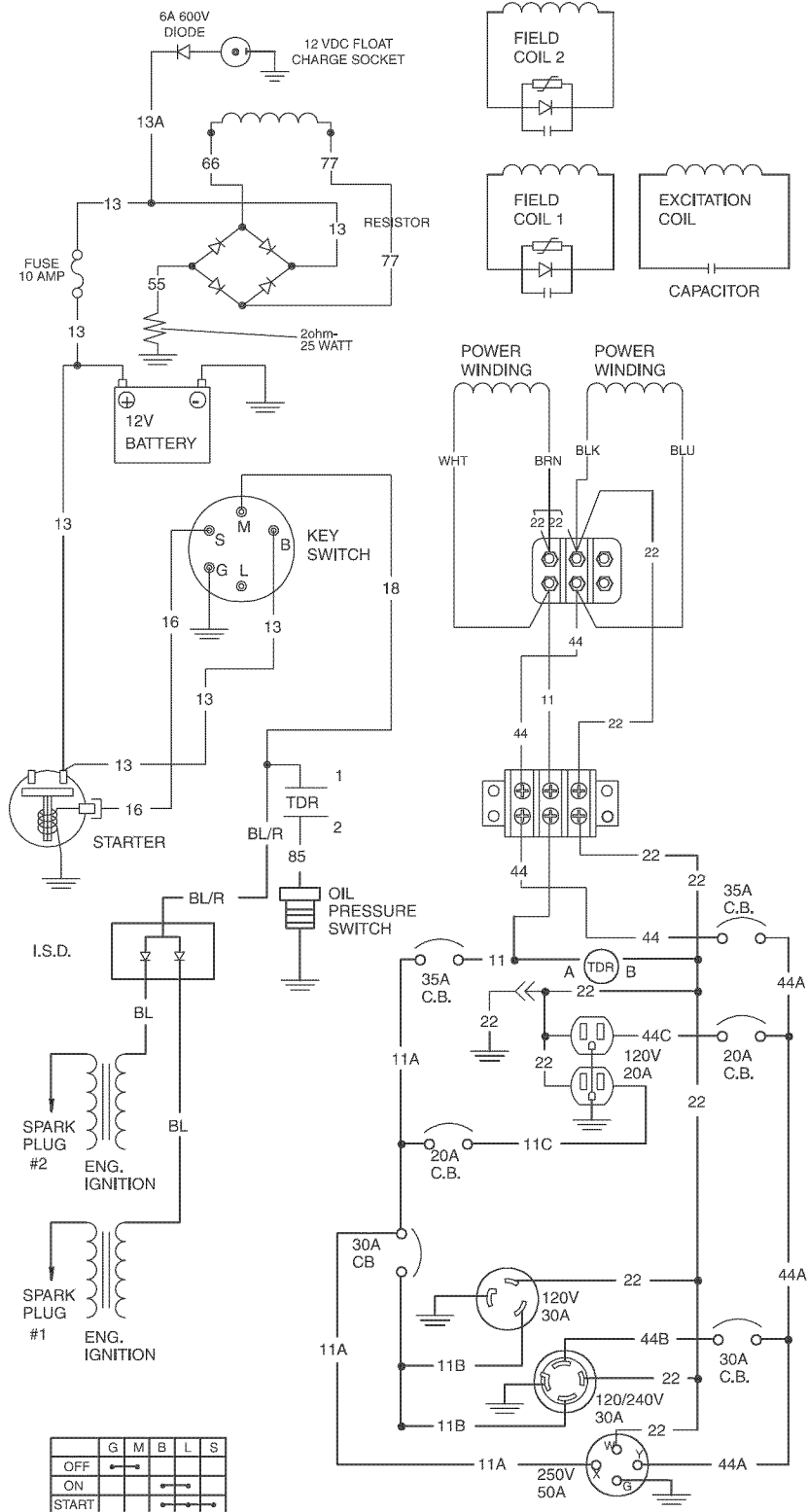


DRAWING # 189348





DRAWING # 189424



	G	M	B	L	S
OFF	→	→	→	→	→
ON	→	→	→	→	→
START	→	→	→	→	→

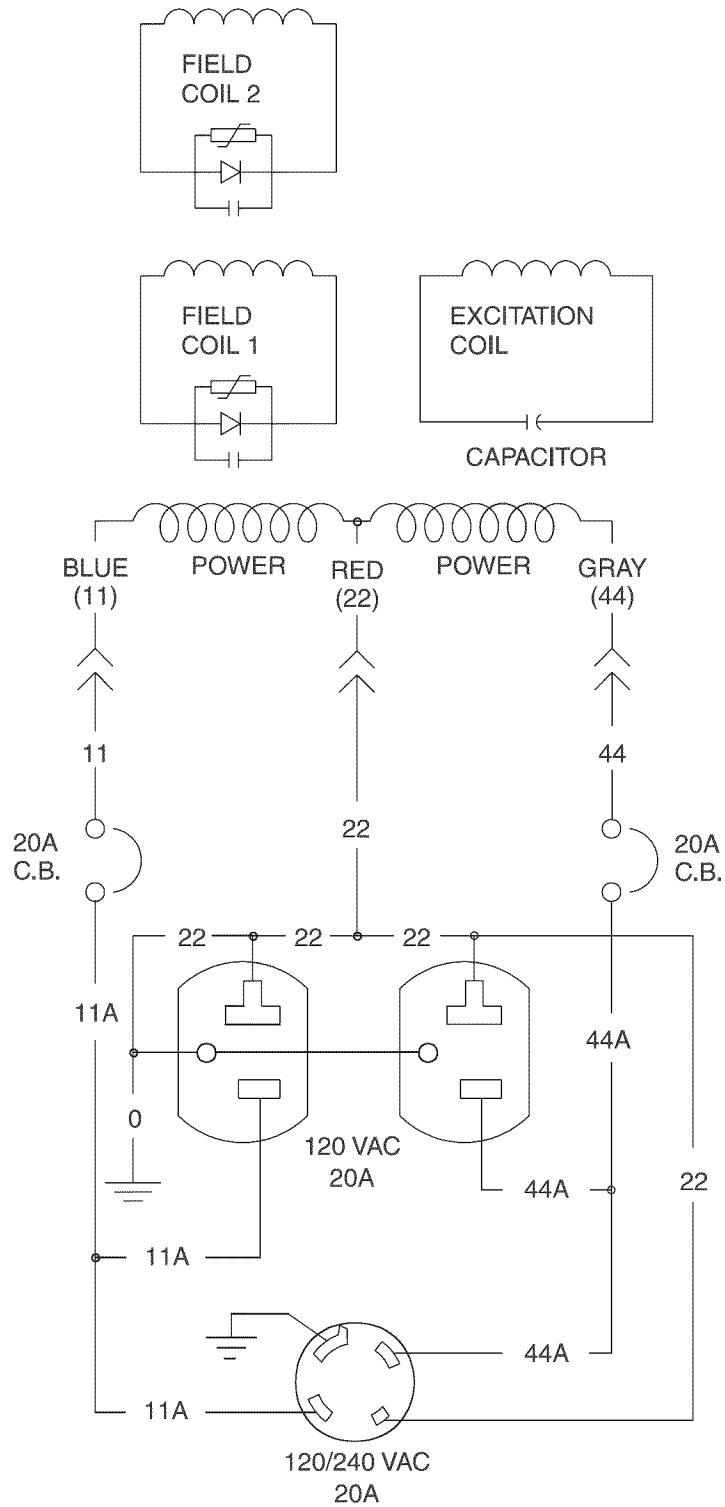
189424







DRAWING # 189646



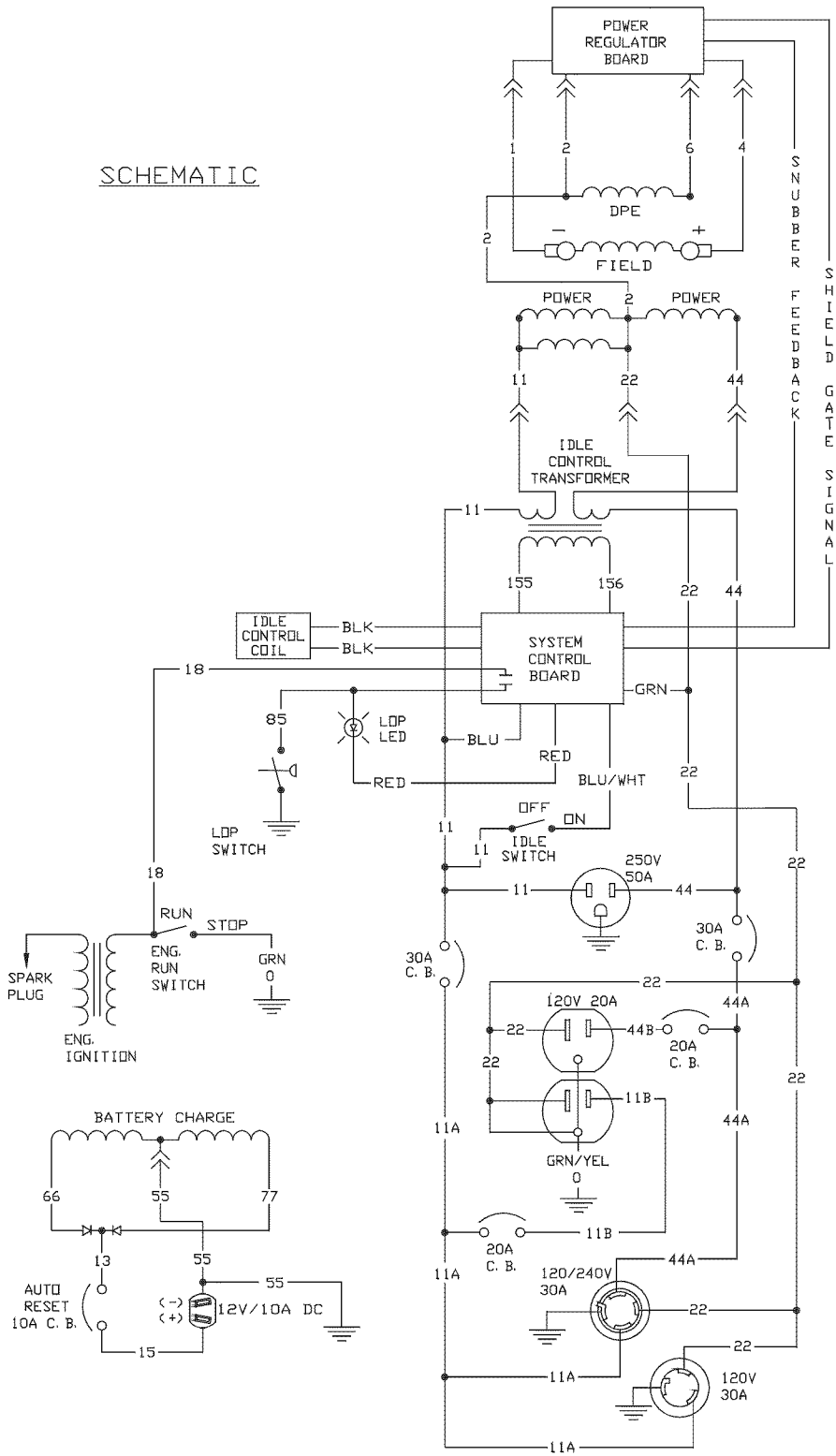
189646





DRAWING # B1412

SCHEMATIC



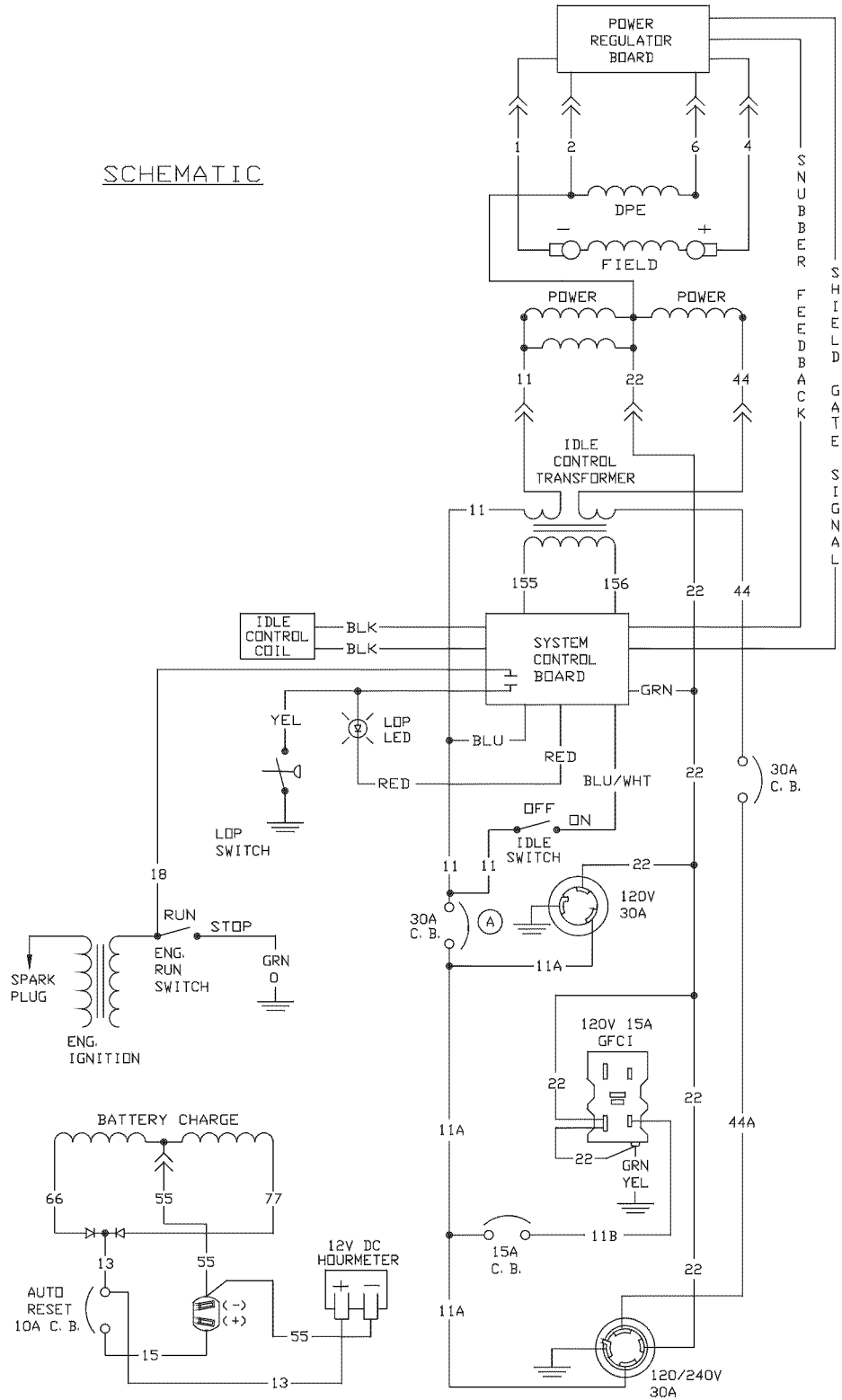
B1412



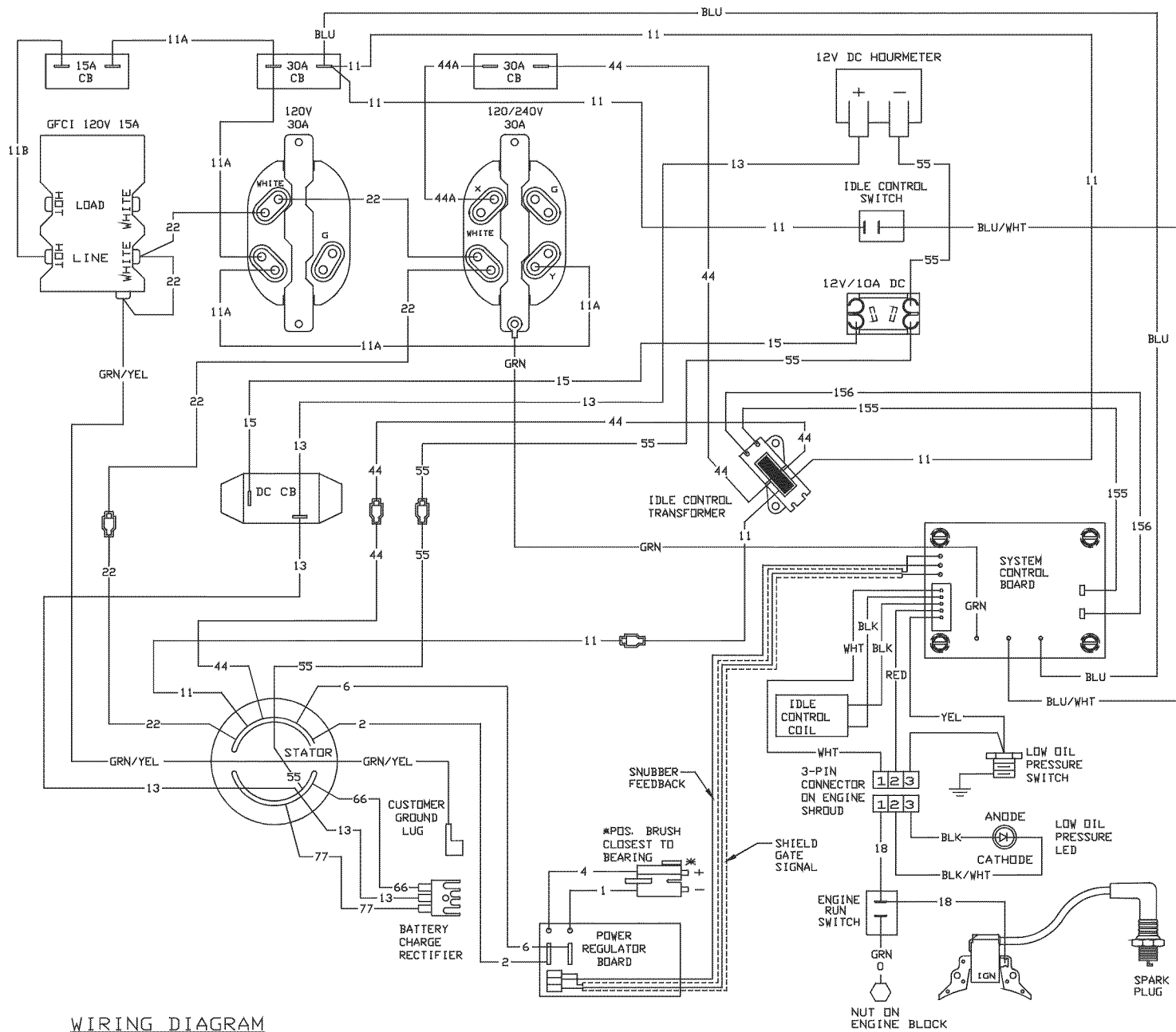


DRAWING # B1476

SCHEMATIC



B1476



WIRING DIAGRAM

B1476

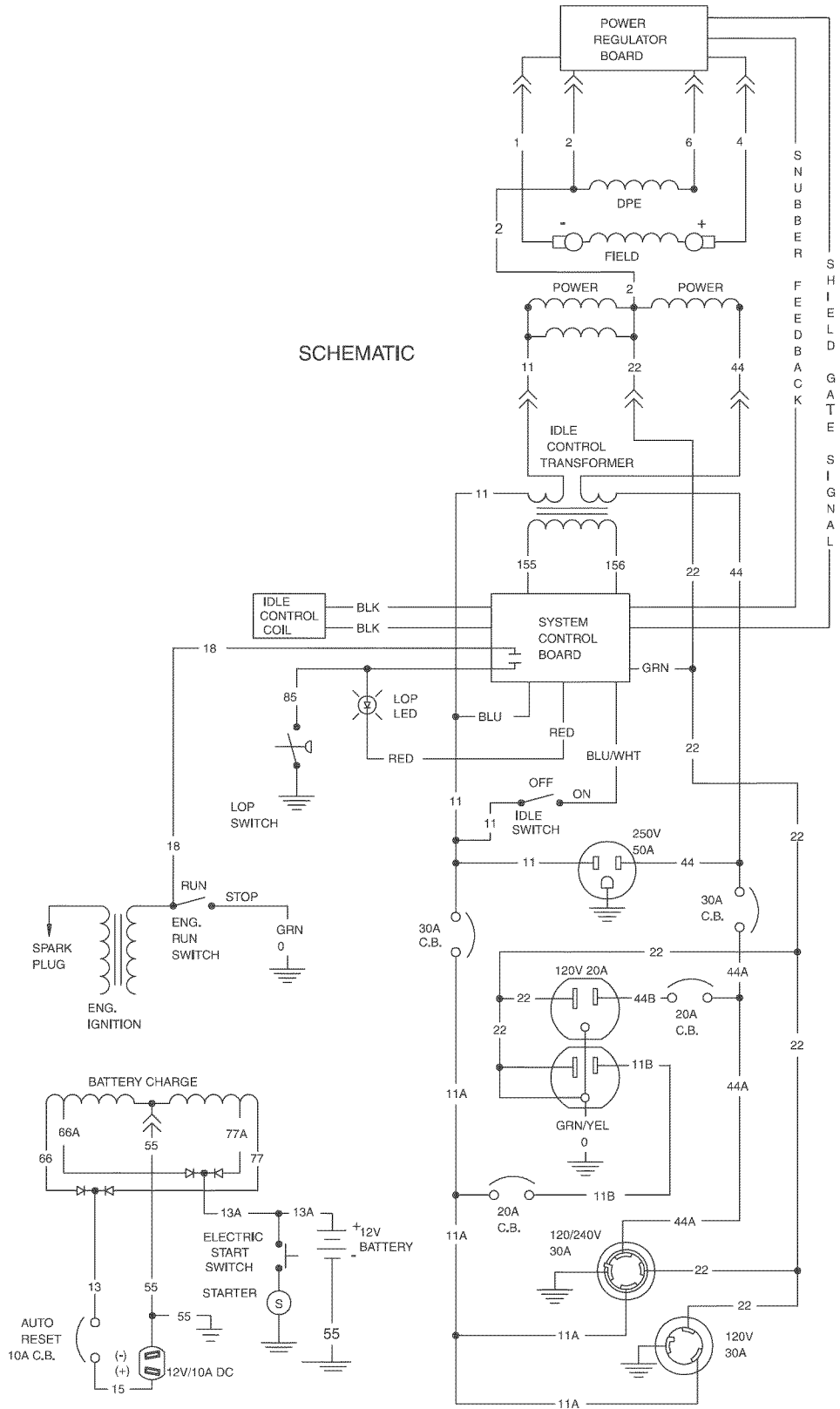
DRAWING # B1476





DRAWING # B1896

SCHEMATIC



B1896

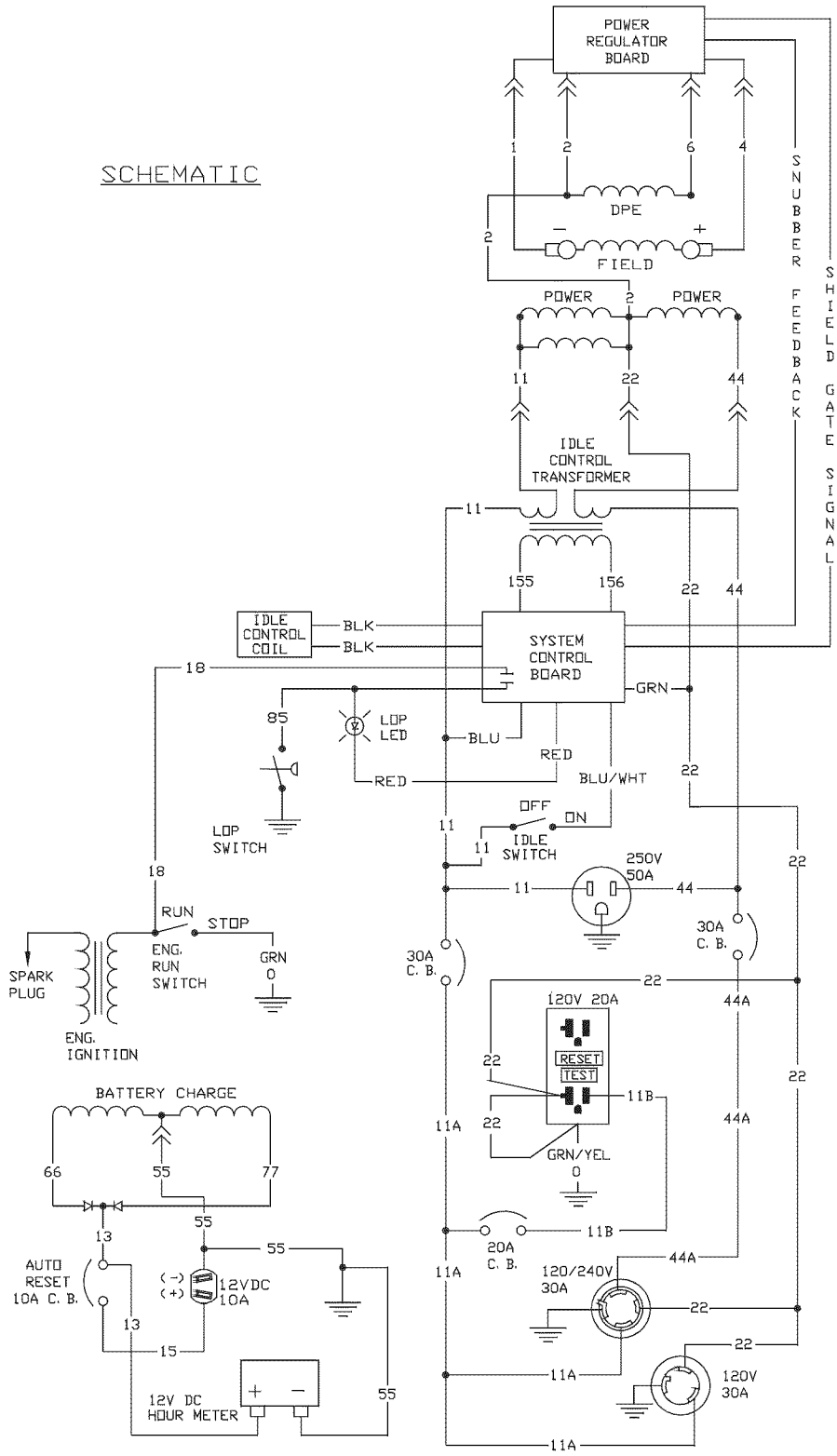




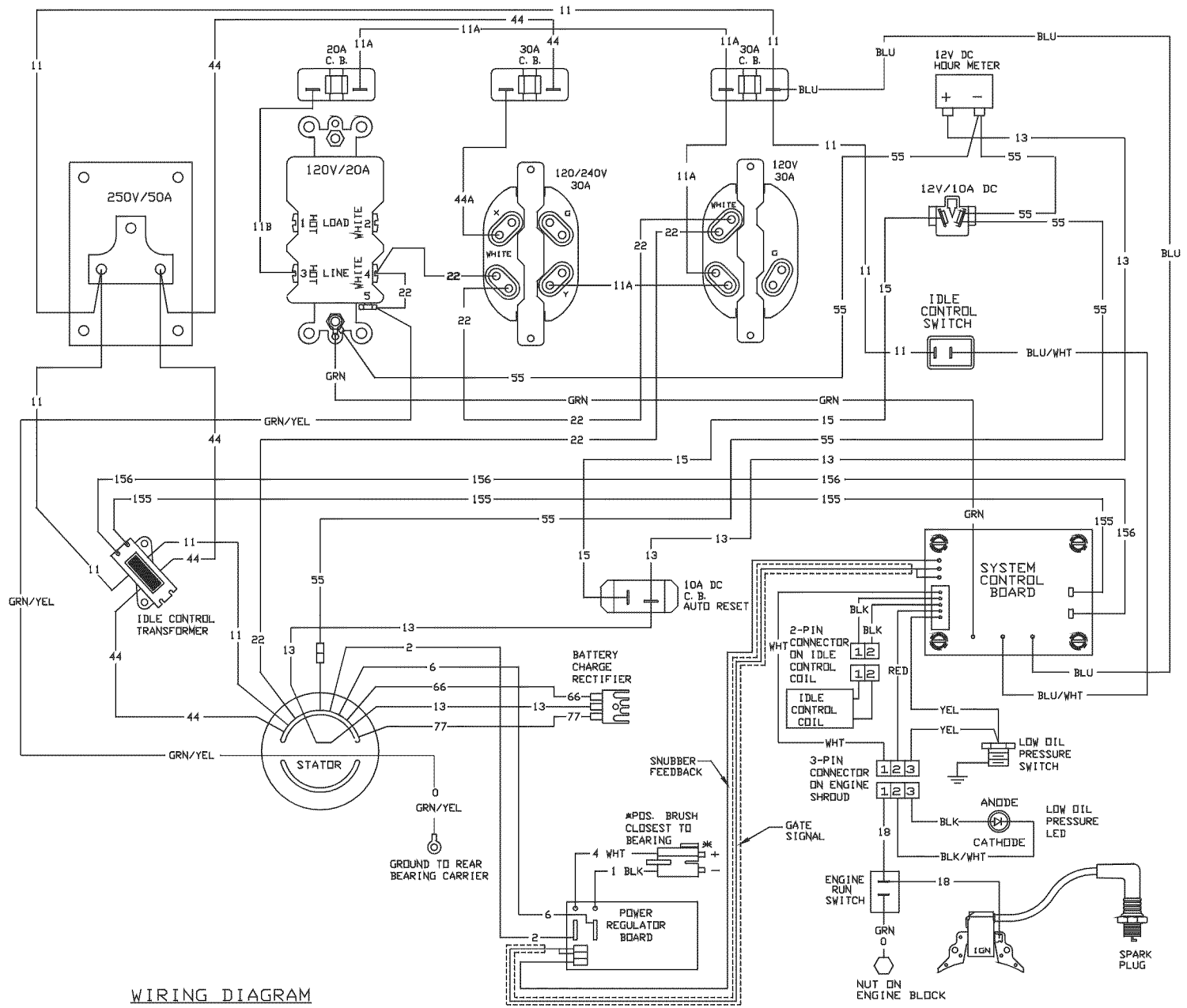


DRAWING # B2176

SCHEMATIC



B2176



WIRING DIAGRAM

B2176

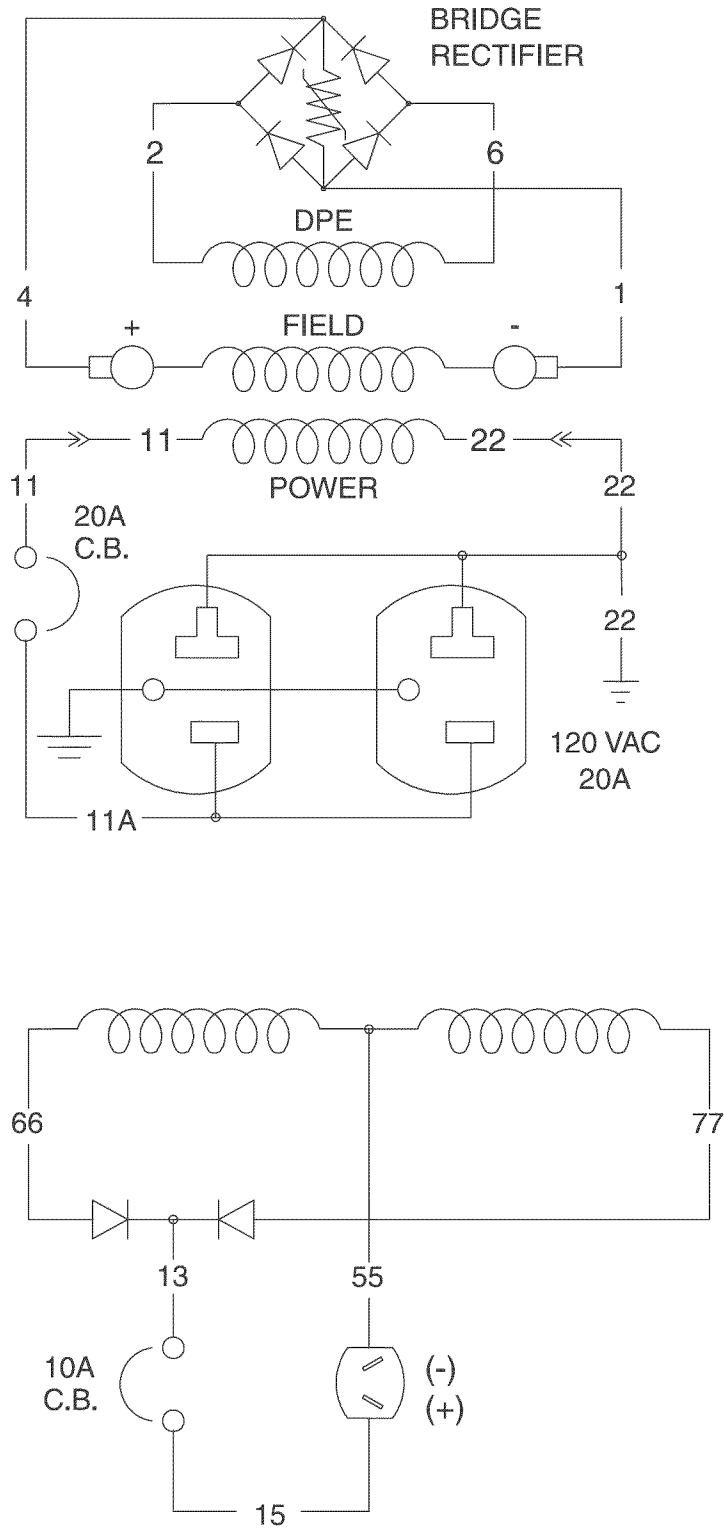
DRAWING # B2176





DRAWING # B2420

### SCHEMATIC

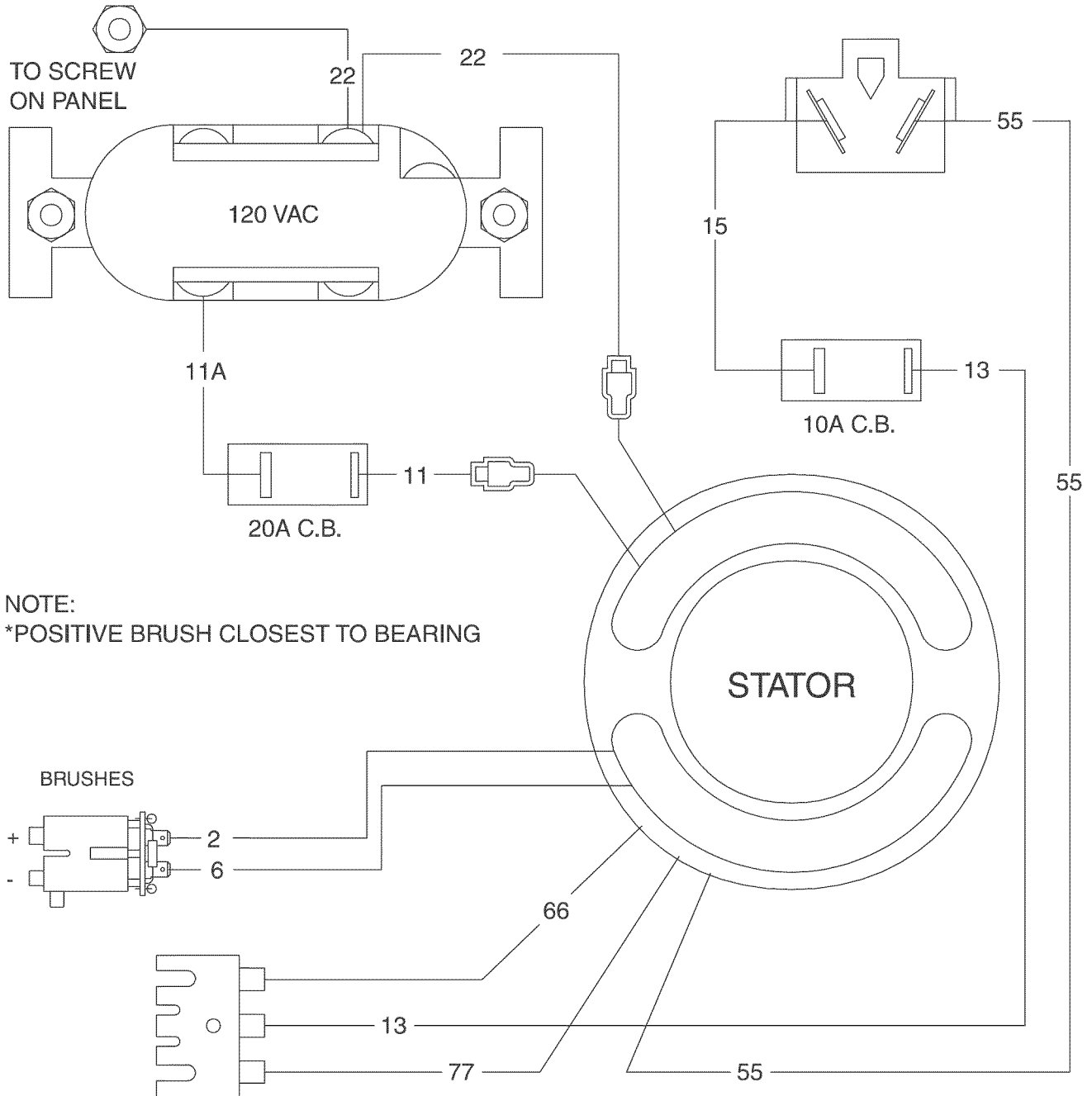


B2420



DRAWING # B2420

WIRING DIAGRAM



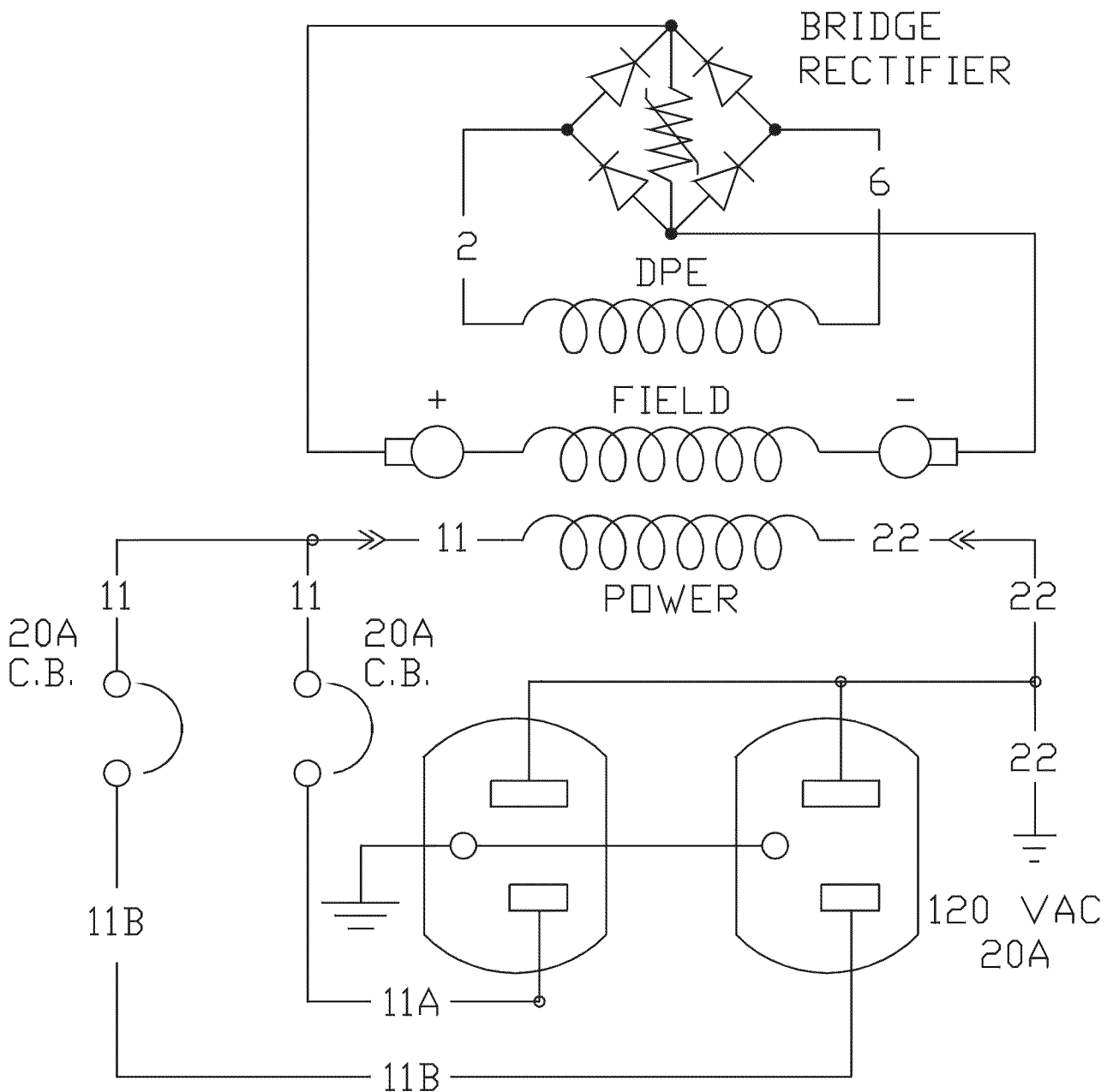
NOTE:  
\*POSITIVE BRUSH CLOSEST TO BEARING

B2420



DRAWING # B2830

# SCHEMATIC

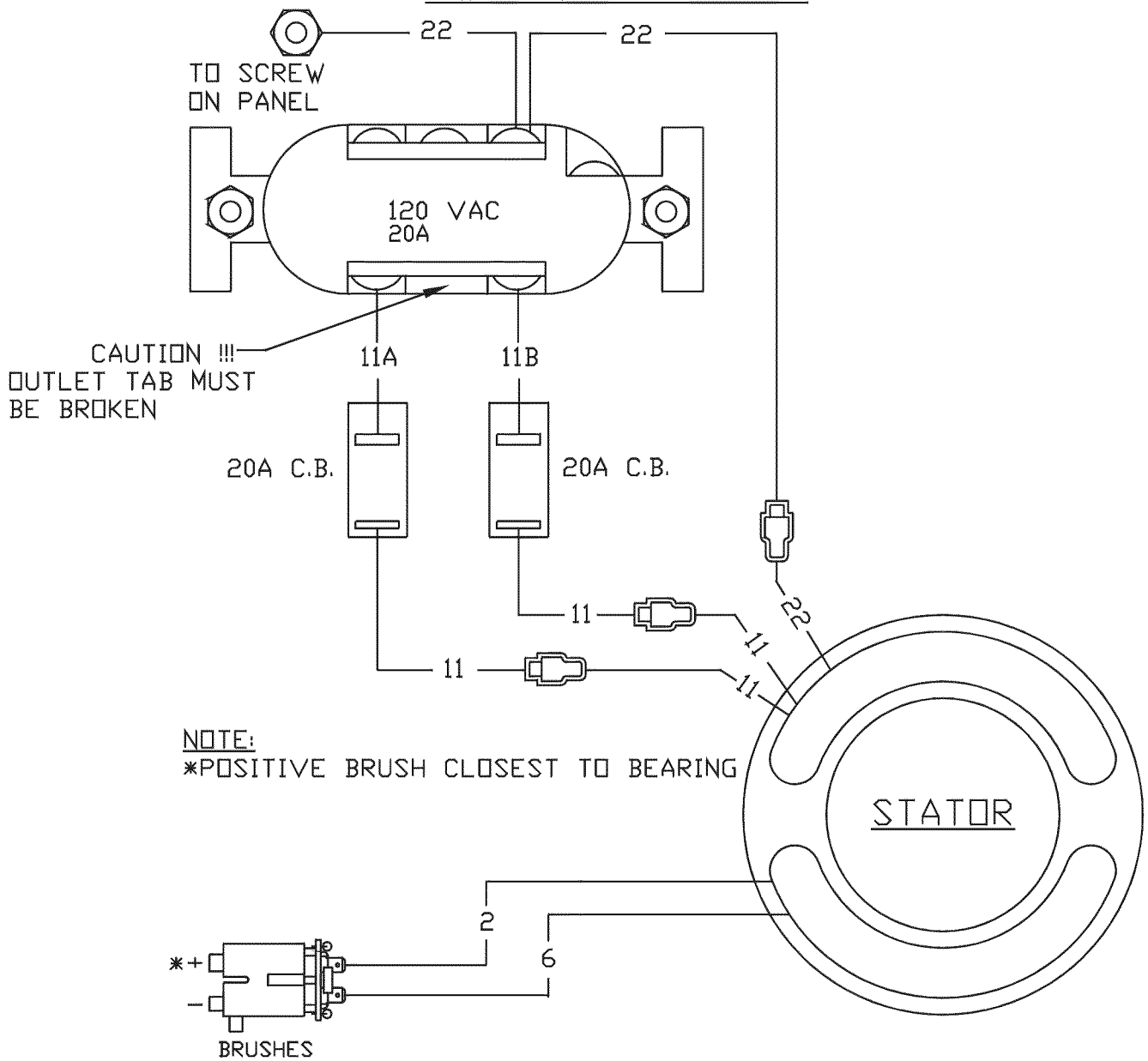


B2830



DRAWING # B2830

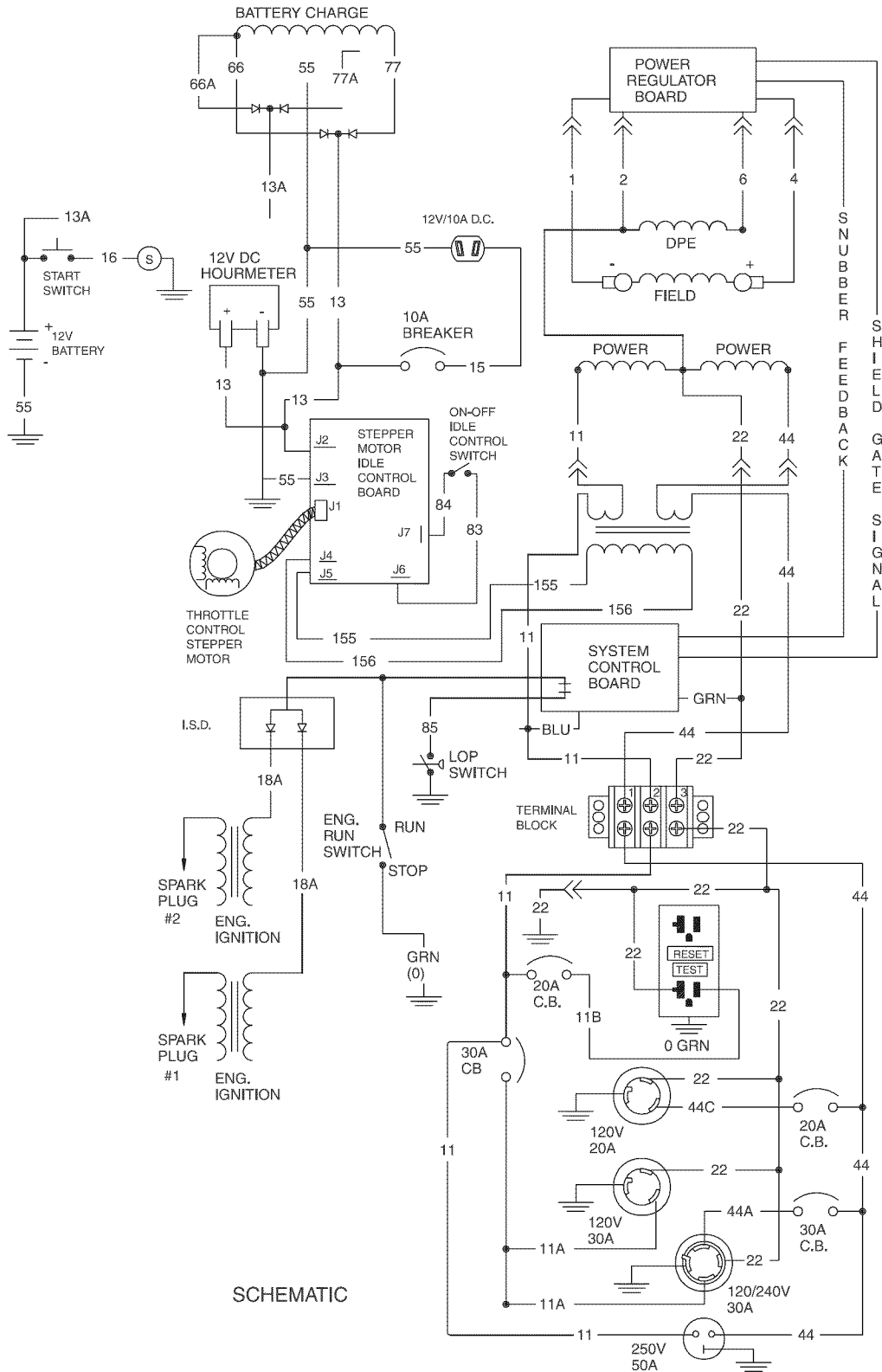
WIRING DIAGRAM



B2830



DRAWING # B3067



SCHEMATIC

B3067

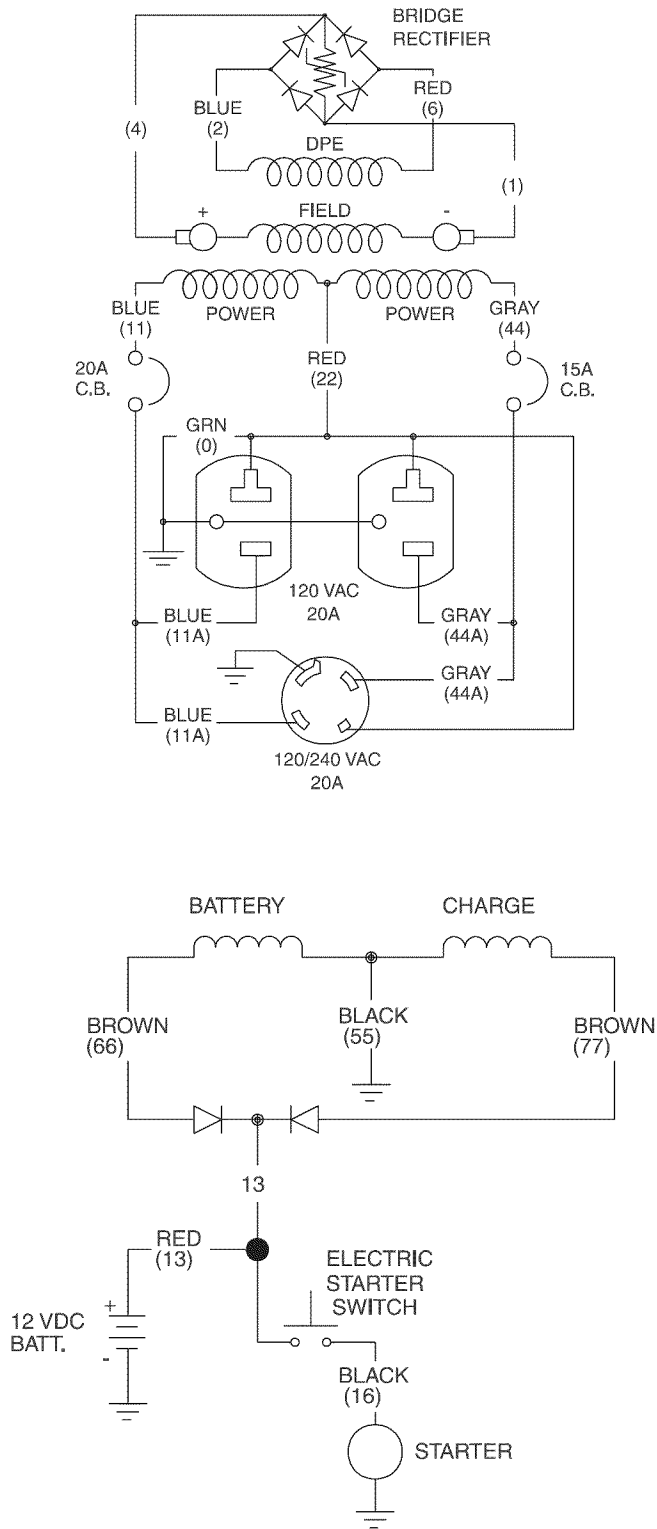






DRAWING # B3112

SCHEMATIC

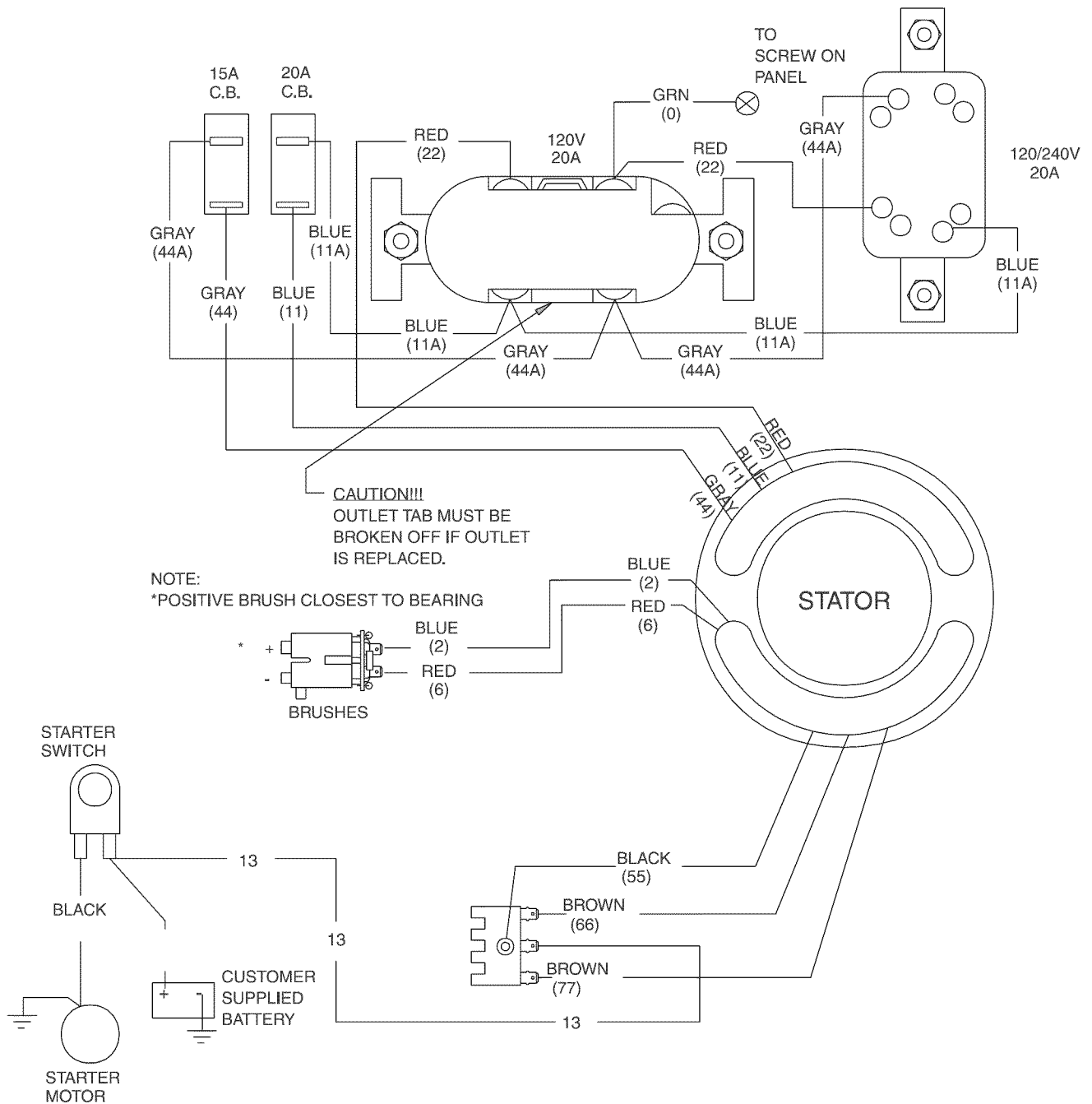


B3112



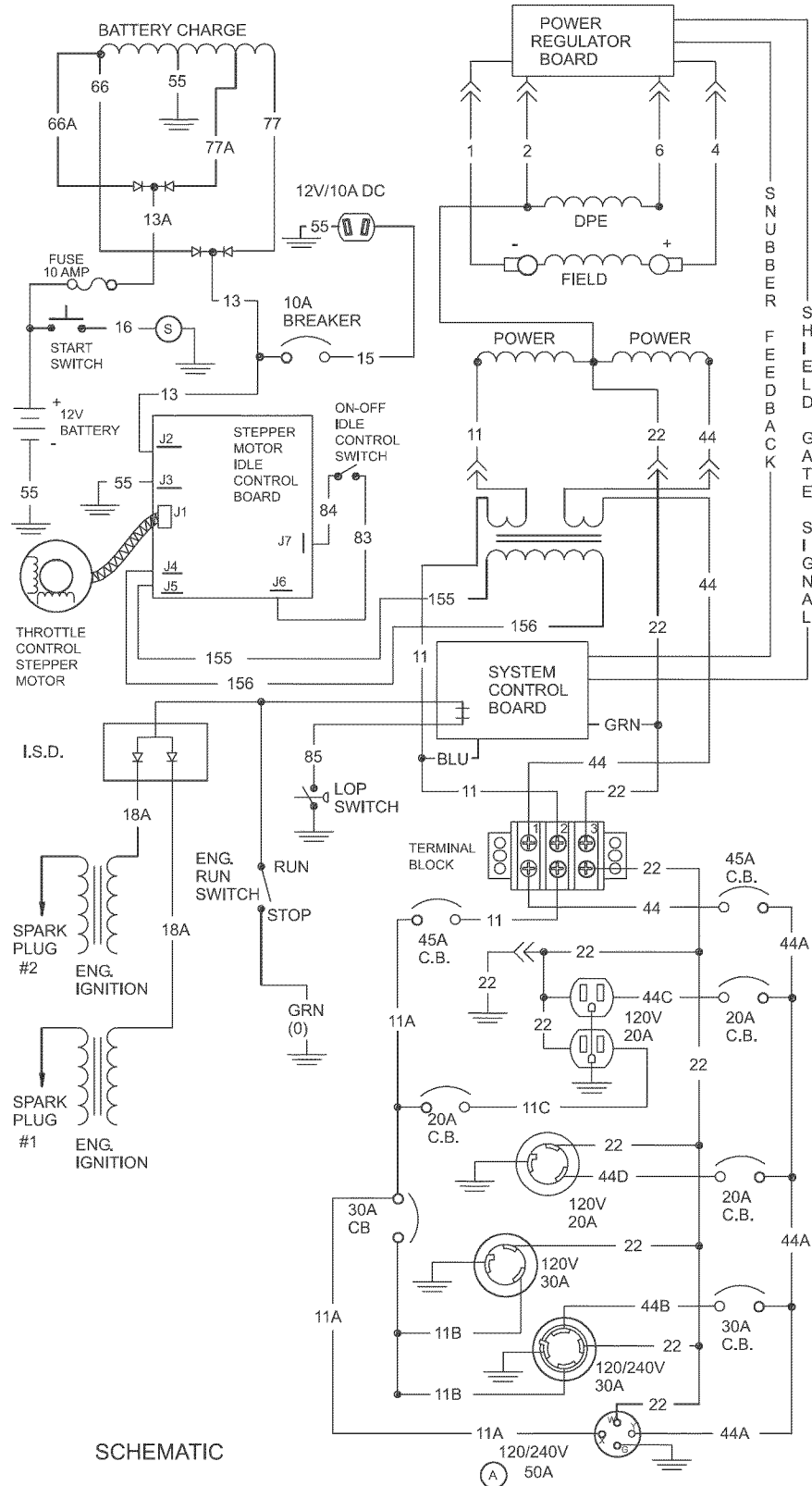
DRAWING # B3112

WIRING DIAGRAM



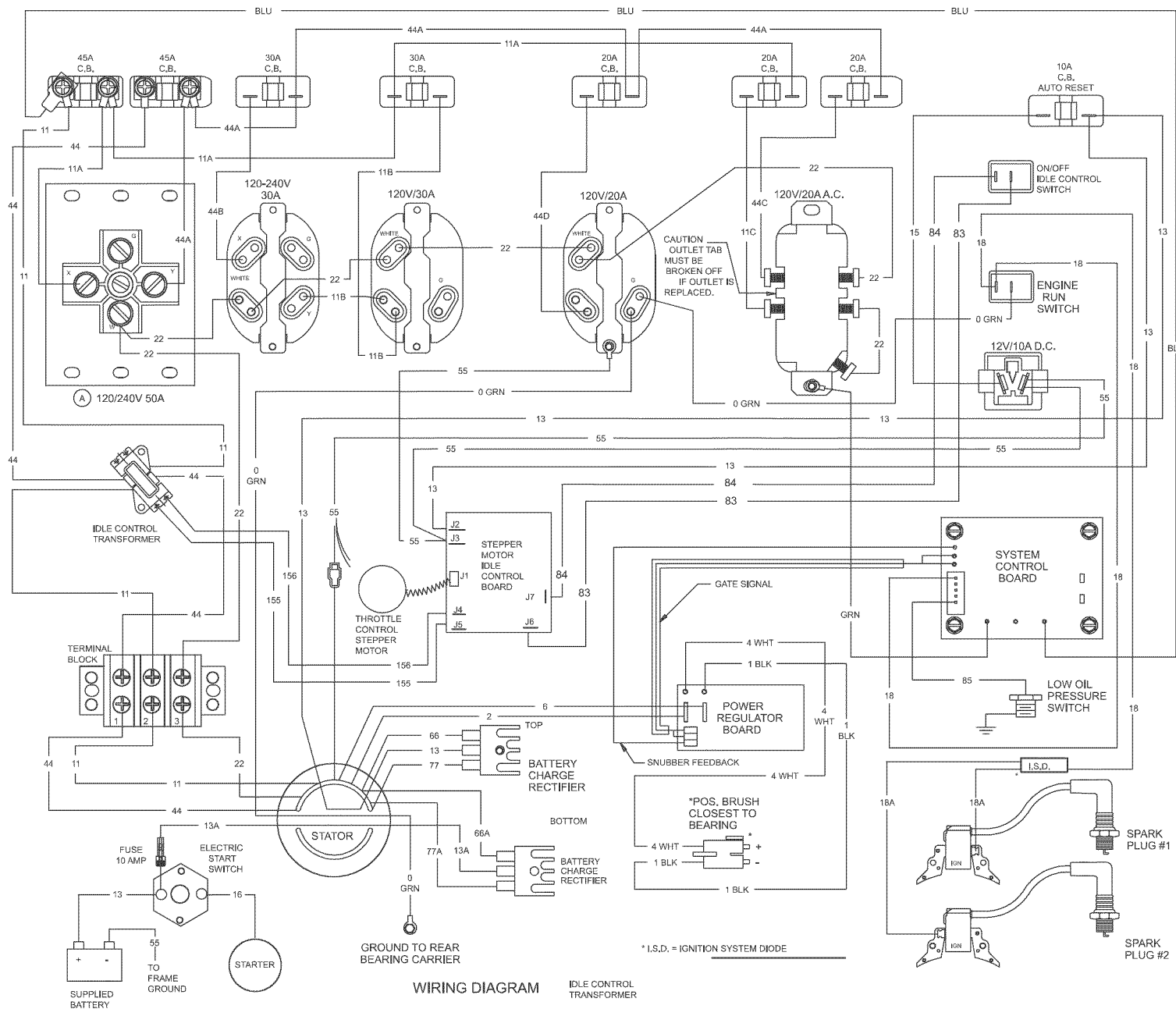


DRAWING # B4429



SCHEMATIC

B4229



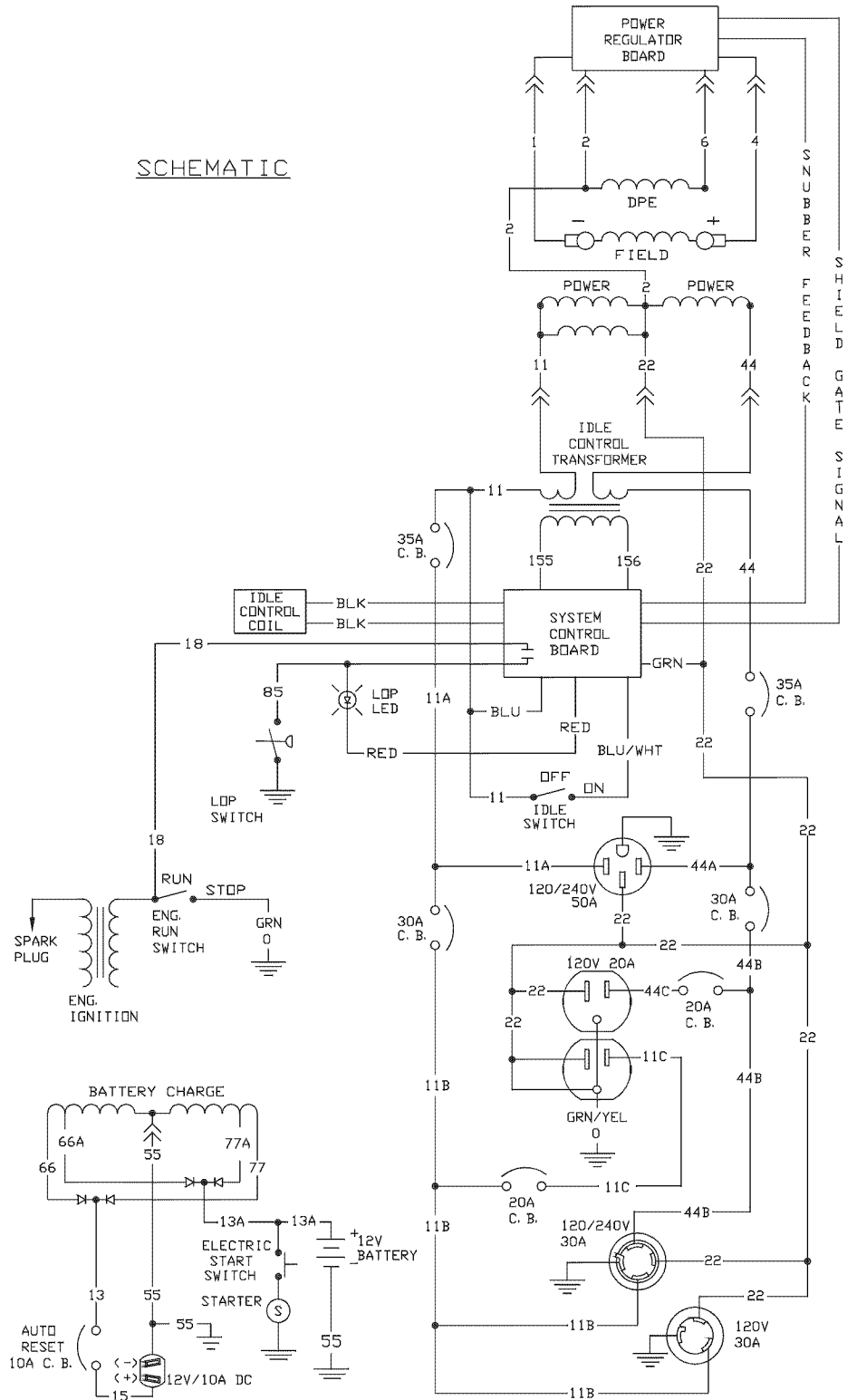
DRAWING # B4429



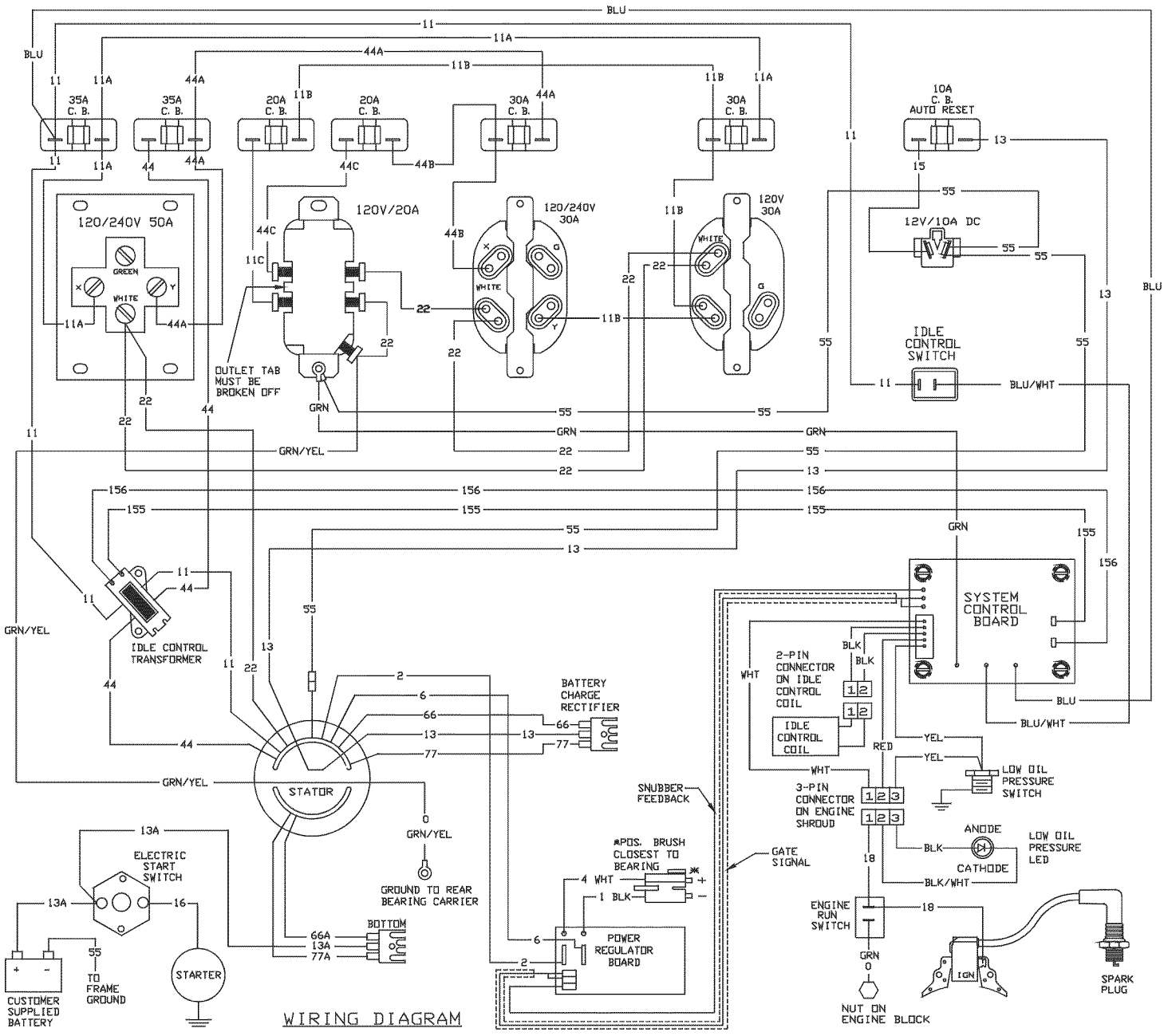


DRAWING # B4475

SCHEMATIC



B4475



WIRING DIAGRAM

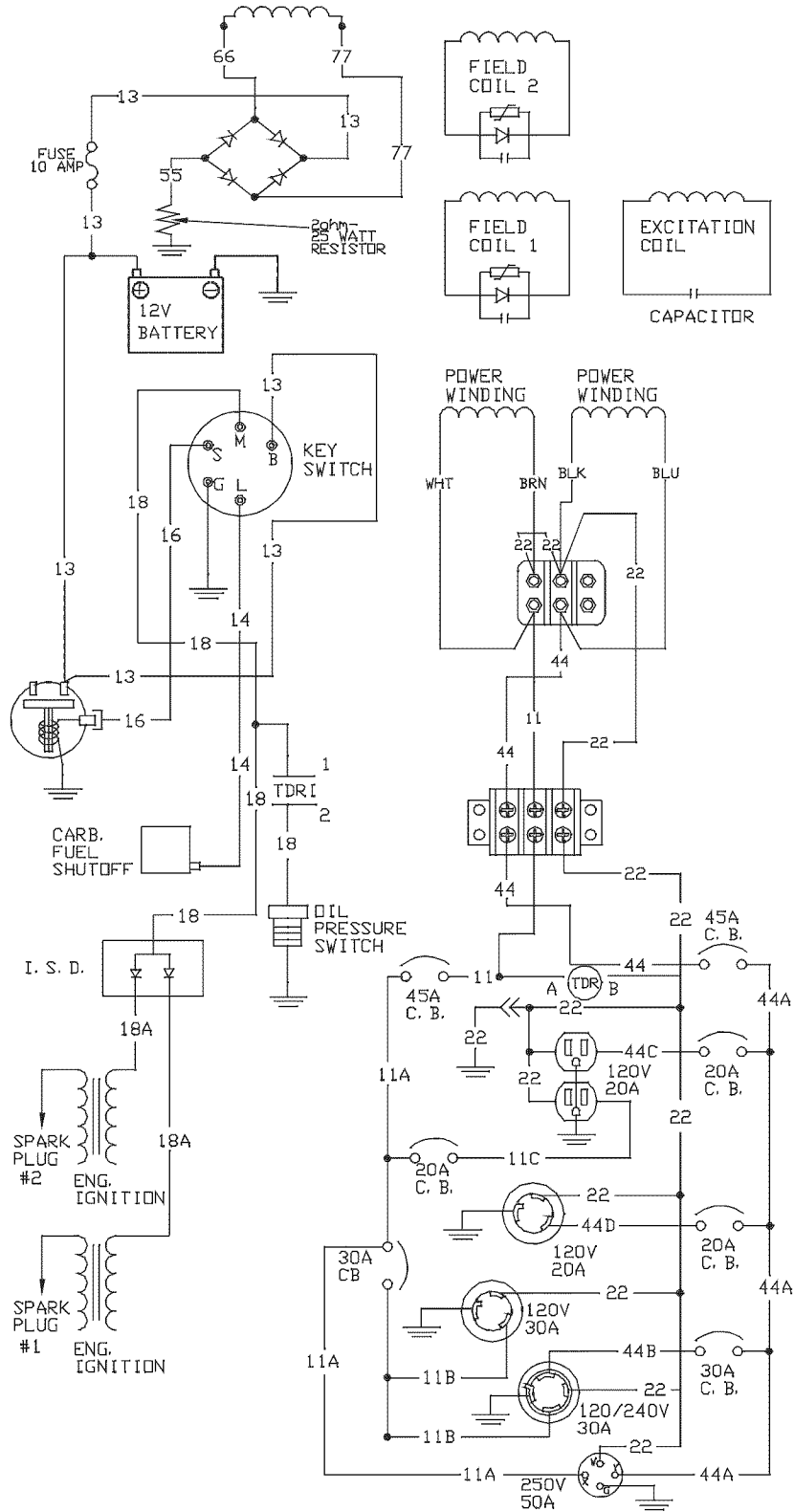
Section 4 Schematics & Wiring Diagrams

DRAWING # B4475





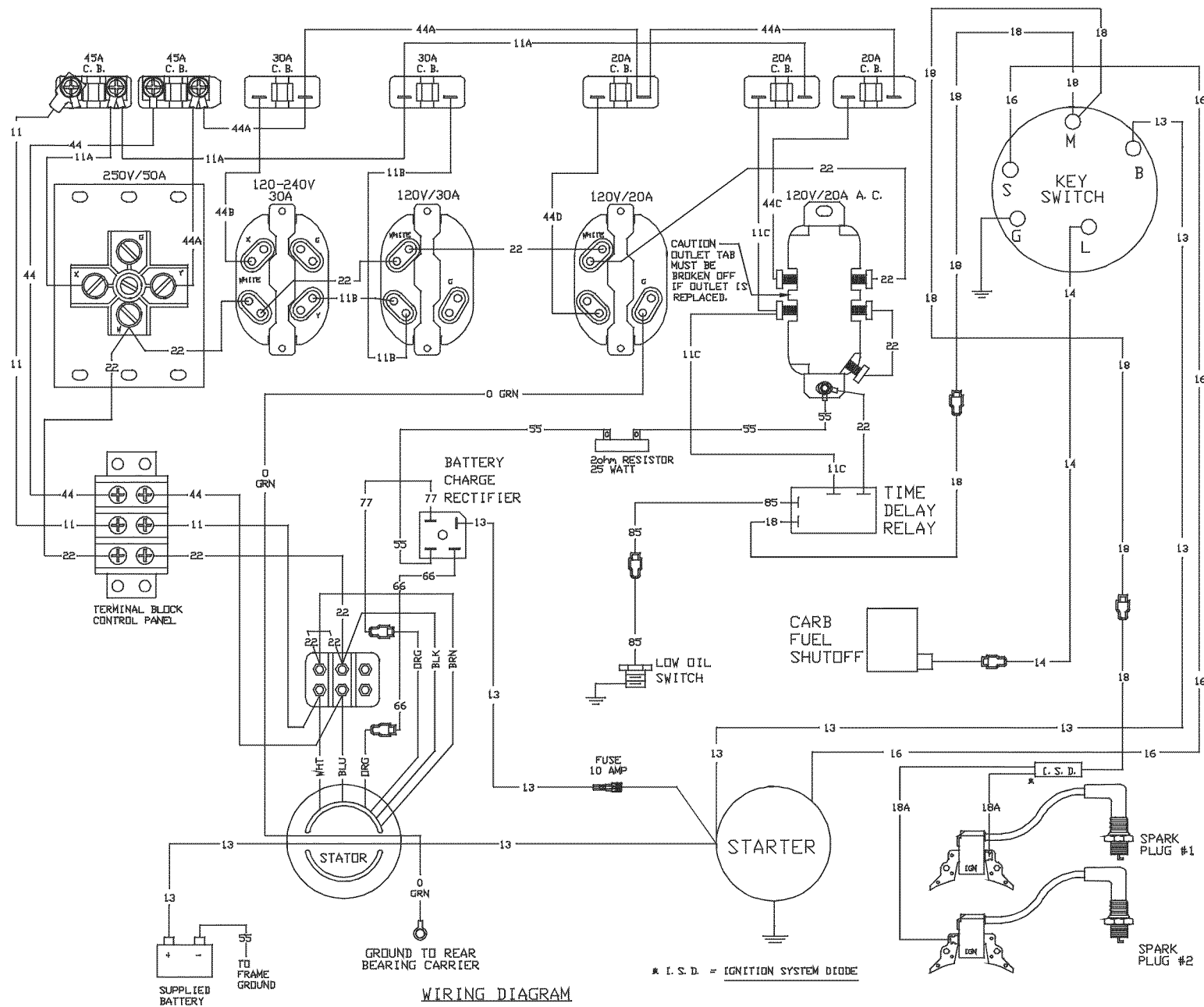
DRAWING # B4486



SCHEMATIC

B4486





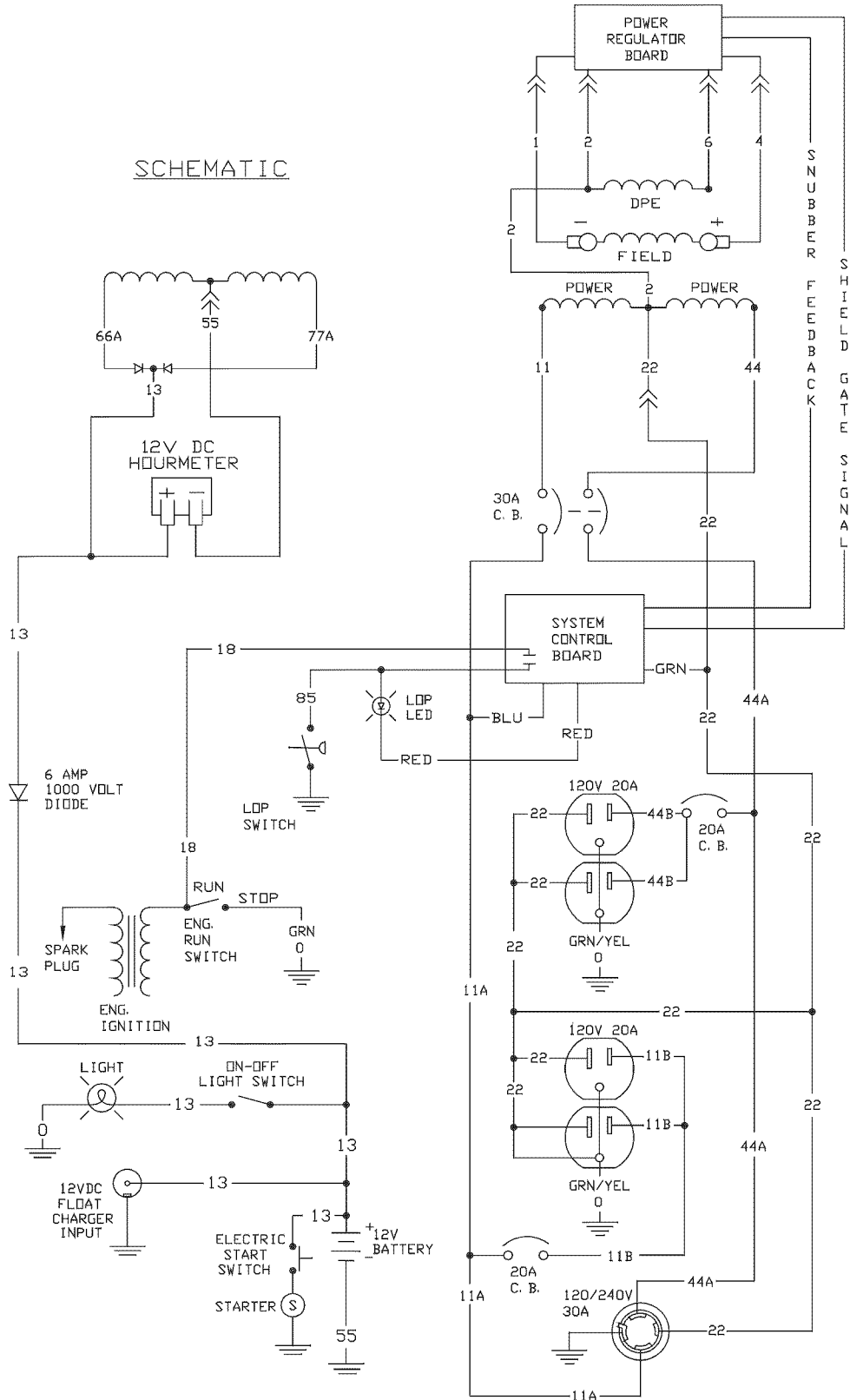
DRAWING # B4486



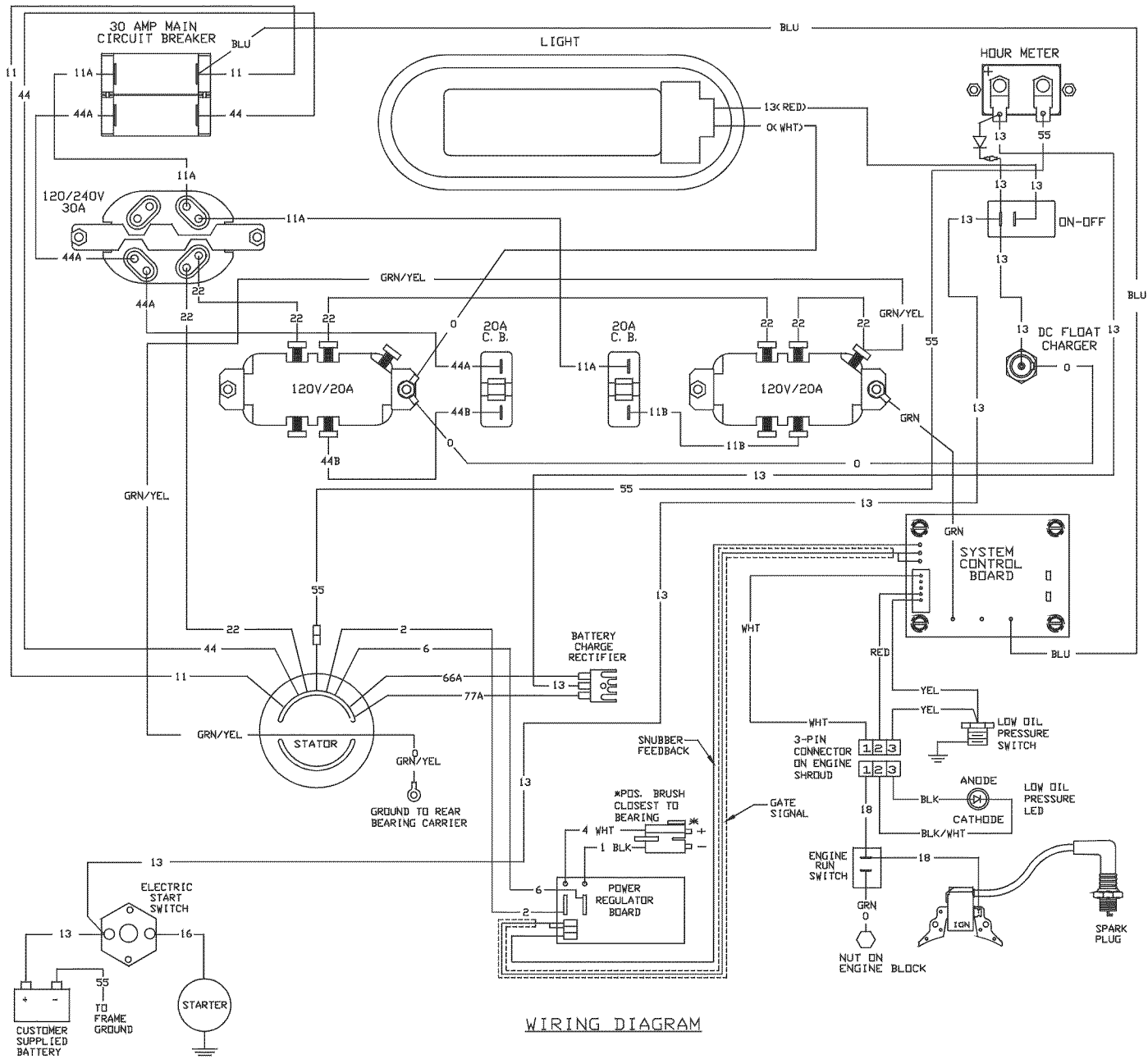


DRAWING # B4549

SCHEMATIC



B4549



WIRING DIAGRAM

DRAWING # B4549

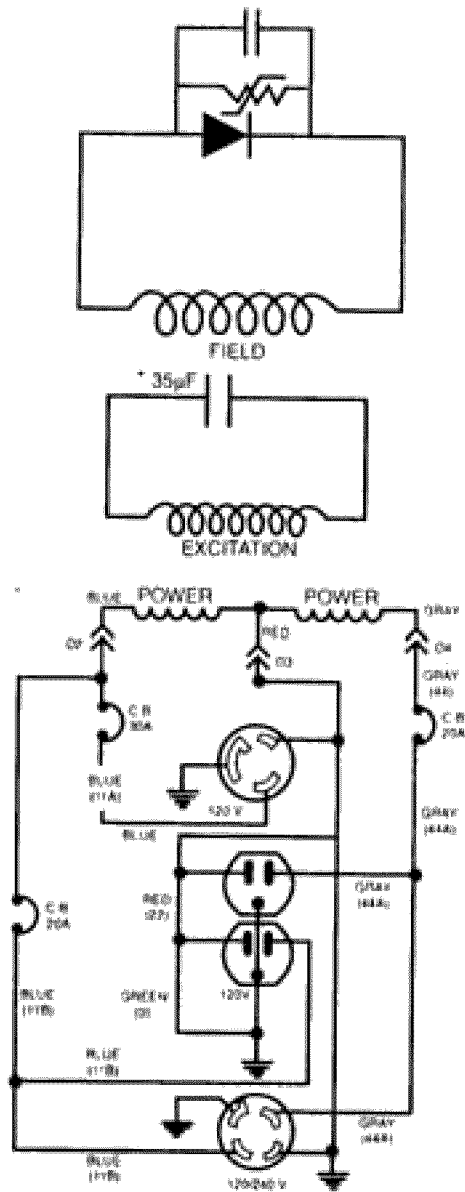






DRAWING # J2011

# SCHEMATIC



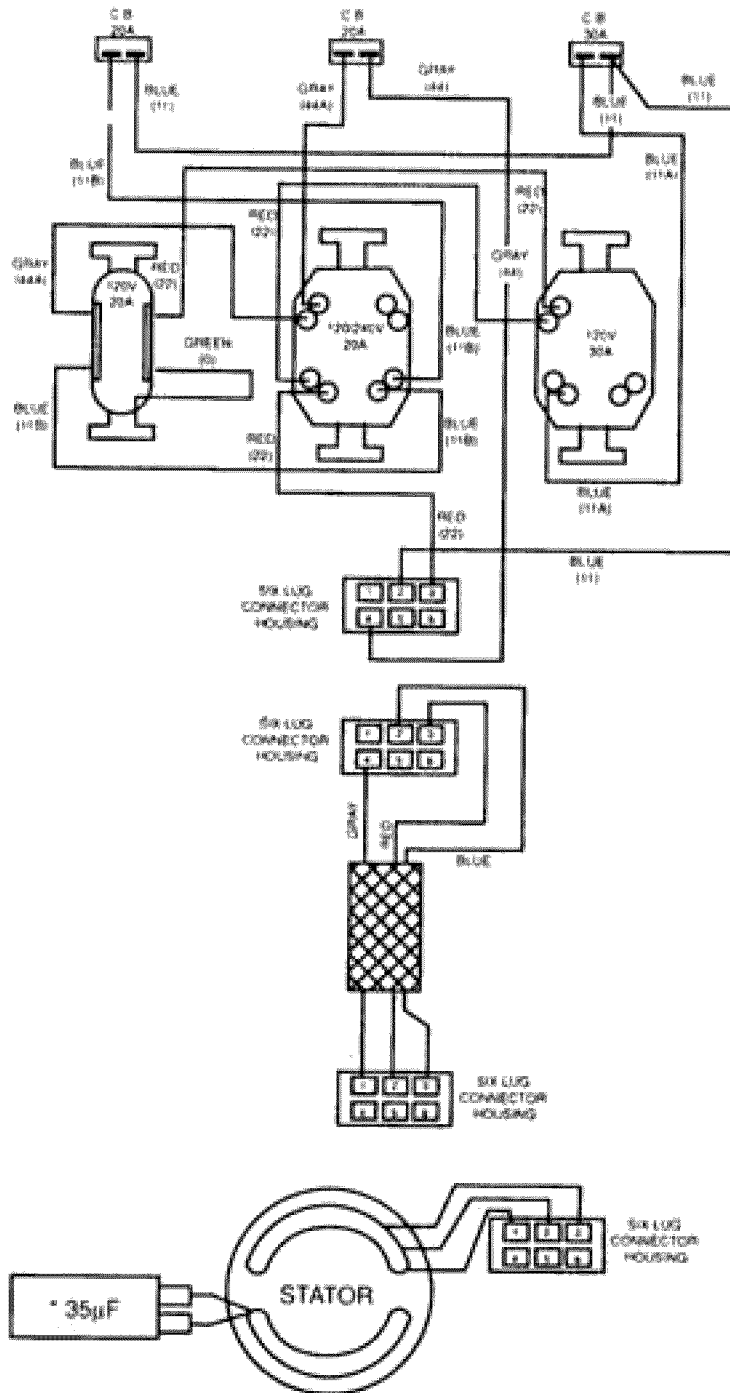
\* Capacitor value may vary +/- 5 $\mu\text{F}$

J2011



DRAWING # J2011

# WIRING DIAGRAM



\* Capacitor value may vary +/- 5µF

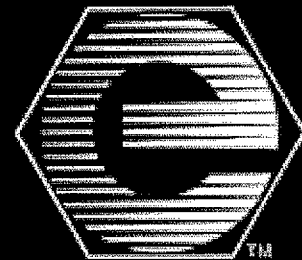


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