To recharge 12 Volt batteries, proceed as follows:

• Check fluid level in all battery cells. If necessary, add ONLY distilled water to cover separators in battery cells. Do not use tap water.

• If the battery is equipped with vent caps, make sure they are installed and tight.

• If necessary, clean battery terminals.

• Connect battery charge cable connector plug to panel receptacle identified by the words "12-VOLT D.C."

• Connect battery charge cable clamp with red handle to the positive (+) battery terminal.

• Connect battery charge cable clamp with black handle to the negative (-) battery terminal.

• Start engine. Let the engine run while battery recharges. Engine idle control switch must be in off position for battery charging.

• When battery has charged, shut down engine.

Note: Use an automotive hydrometer to test battery state of charge and condition. Follow the hydrometer manufacturer's instructions carefully. Generally, a battery is considered to be at 100% state of charge when specific gravity of its fluid (as measured by hydrometer) is 1.260 or higher.
2.11 LOW OIL PRESSURE SHUTDOWN SYSTEM

The engine is equipped with a low oil pressure sensor that shuts down the engine automatically when the oil pressure drops below 10 psi. If the engine shuts down by itself and the fuel tank has enough gasoline, check engine oil level.

2.11.1 INITIAL START-UP

A delay built into the low oil shutdown system allows oil pressure to build during starting. The delay allows the engine to run for about 10 seconds before sensing low oil pressure.

2.11.2 SENSING LOW OIL PRESSURE

If the system senses low oil pressure during operation, the engine shuts down.

2.11.3 RESTARTING

If you try to restart the engine within 10 seconds after it shuts down, the engine may NOT start. The system needs 5 to 10 seconds to reset.

If you do restart the engine after such a shutdown and have not connected the low oil pressure, the engine runs for about 10 seconds as described above and then stops.

2.12 CHARGING A BATTERY

**DANGER!** Storage batteries give off explosive hydrogen gas while recharging. An explosive mixture will remain around the battery for a long time after it has been charged. The slightest spark can ignite the hydrogen and cause an explosion. Such an explosion can shatter the battery and cause blindness or other serious injury.

**DANGER!** Do not permit smoking, open flames, sparks or any other source of heat around a battery. Wear protective goggles, rubber apron and rubber gloves when working around a battery. Battery electrolyte fluid is an extremely caustic sulfuric acid solution that can cause severe burns. If spill occurs flush area with clear water immediately.

Your generator has the capability of recharging a discharged 12 Volt automobile or utility style storage battery. Do not use the unit to charge any 6 Volt batteries. Do not use the unit to crank an engine having a discharged battery.

### Section 7 — Exploded Views and Parts Lists

#### GT-990 & GT-760 Engine (Page 1) – Drawing No. 0E8589E

<table>
<thead>
<tr>
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<td>PLUG-CRANKCASE GOVERNOR BORE</td>
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<td>ASSEMBLY, DIPSTICK WITH HANDLE</td>
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</tbody>
</table>

**IMPORTANT:** Do not overload the generator. Also, do not overload individual panel receptacles. These outlets are protected against overload with push-to-reset-type circuit breakers. If ampere rating of any circuit breaker is exceeded, that breaker opens and electrical output to that receptacle is lost. Read "Don't Overload the Generator" on page 9 carefully.
2.6.2 ADDING GASOLINE

WARNING: Never fill fuel tank indoors. Never fill fuel tank when engine is running or hot. DO NOT light a cigarette or smoke when filling the fuel tank.

CAUTION: Do not overfill the fuel tank. Always leave room for fuel expansion.

• Use regular UNLEADED gasoline with the generator engine. Do not use premium gasoline. Do not mix oil with gasoline.
• Clean area around fuel fill cap, remove cap.
• Slowly add unleaded regular gasoline to fuel tank. Be careful not to overfill. Allow about 1/2" of tank space for fuel expansion, as shown here.
• Install fuel cap and wipe up any spilled gasoline.

Figure 14 - Fuel Tank

IMPORTANT: It is important to prevent gum deposits from forming in fuel system parts such as the carburetor, fuel hose or tank during storage. Alcohol-blended fuels (called gasohol, ethanol or methanol) can attract moisture, which leads to the formation of gum. To avoid gum deposits and engine damage, use unleaded regular gasoline in your generator, and store it in a cool, dry place. Empty fuel tanks of gasoline after each use to reduce gum formation. Do not use engine or carburetor cleaner products in the fuel tank as permanent damage may occur.

2.7 TO START THE ENGINE

WARNING!

Never start or stop engine with electrical devices plugged into the receptacles AND devices turned on.

• Unplug all electrical loads from the unit's receptacles before starting the engine.
• Make sure the unit is in a level position.
• Open the fuel shut-off valve.

Figure 15 - Fuel Shut-off Valve

• Locate the Idle Control ON/OFF switch on the control panel and set it to the OFF position.

Figure 16 - Idle Control Switch

• Move engine CHOKE knob to "Full Choke" position.

Figure 17 - Full Choke Position

Figure 2 - Adding Gasoline

Section 2 - Operation
2.5 Wattage Reference Guide

<table>
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<tr>
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<tr>
<td>Air Conditioner (24,000 Btu)</td>
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<tr>
<td>Hand Drill</td>
<td>250 to 1100</td>
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<td>Hedge Trimmer</td>
<td>450</td>
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<tr>
<td>Impact Wrench</td>
<td>500</td>
</tr>
<tr>
<td>Lawn Mower</td>
<td>1200</td>
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<td>Light Bulb</td>
<td>700</td>
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<tr>
<td>*Micro Cooker</td>
<td>1100</td>
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<td>Oil Burner on Furnace</td>
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<td>Oil Fired Space Heater (140,000 Btu)</td>
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<td>Radio</td>
<td>50 to 200</td>
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<td>Refrigerator</td>
<td>700</td>
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<tr>
<td>Slow Cooker</td>
<td>200</td>
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<tr>
<td>*Submersible Pump (1-1/2 HP)</td>
<td>2800</td>
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<tr>
<td>*Submersible Pump (1 HP)</td>
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<td>Television</td>
<td>200 to 500</td>
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<td>Toaster</td>
<td>1000 to 1650</td>
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<tr>
<td>Weed Trimmer</td>
<td>500</td>
</tr>
<tr>
<td>*Allow 3 times the listed watts for starting these devices.</td>
<td></td>
</tr>
</tbody>
</table>

2.6 Before Starting the Generator

Prior to starting the generator, engine oil and gasoline will need to be added, as follows:

2.6.1 Adding Engine Oil

**NOTE:** When adding oil to the engine crankcase in the future, use only high quality detergent oil rated with API service classification SF or SG SAE 30 weight. Use no special additives.

Select the oil’s viscosity grade according to the expected operating temperature:

- Above 40°F, use SAE 10W-30
- Below 40°F, use synthetic 5W-30 or 5W-20

Although multi-viscosity oils (5W-30, 10W-30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible damage from running low on oil.

- Place generator on a level surface.
- Clean area around oil fill and remove oil fill cap and dipstick.
- Wipe dipstick clean.
- Slowly fill engine with oil through the oil fill opening until it reaches the full mark on the dipstick. Stop filling occasionally to check oil level. DO NOT OVERFILL.
- Install dipstick. Install oil fill cap and finger tighten securely.
- Check engine oil level before starting each time thereafter.

27
2.3 HOW TO USE THE GENERATOR

If you have any problems operating your generator, please call the generator help line at 1-800-333-1322.

2.3.1 GROUNDING THE GENERATOR

The National Electrical Code requires that the frame and external electrically conductive parts of this generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the unit. For that purpose, generally, connecting a No. 10 AWG (American Wire Gauge) stranded copper wire to the grounding wing nut and to an earth-driven copper or brass grounding rod (electrode) provides adequate protection against electrical shock. However, local codes may vary widely. Consult with a local electrician for grounding requirements in your area.

Proper grounding of the generator will help prevent electrical shock in the event of a ground fault condition in the generator or in connected electrical devices. Proper grounding also helps dissipate static electricity, which often builds up in ungrounded devices.

Figure 13 - Grounding the Generator

2.3.2 CONNECTING ELECTRICAL LOADS

DO NOT connect 240 Volt loads to 120 Volt receptacles.

DO NOT connect 3-phase loads to the generator.

DO NOT connect 50 Hz loads to the generator.

• Let engine stabilize and warm up for a few minutes after starting.

• Plug in and turn on the desired 120 or 240 Volt AC, single phase, 60 Hz electrical loads.

• Add up the rated watts (or amps) of all loads to be connected at one time. This total should not be greater than (a) the rated wattage/amperage capacity of the generator or (b) circuit breaker rating of the receptacle supplying the power. See "DON'T OVERLOAD THE GENERATOR" below.

2.4 DON'T OVERLOAD THE GENERATOR

Overloading a generator in excess of its rated wattage capacity can result in damage to the generator and to connected electrical devices. Observe the following to prevent overloading the unit:

• Add up the total wattage of all electrical devices to be connected at one time. This total should NOT be greater than the generator's wattage capacity.

• The rated wattage of lights can be taken from light bulbs. The rated wattage of tools, appliances and motors can usually be found on a data plate or decal affixed to the device.

• If the appliance, tool or motor does not give wattage, multiply volts times ampere rating to determine watts (volts x amps = watts).

• Some electric motors, such as induction types, require about three times more watts of power for starting than for running. This surge of power lasts only a few seconds when starting such motors. Make sure you allow for this high starting wattage when selecting electrical devices to connect to your generator:

  1. Figure the watts needed to start the largest motor.
  2. Add to that figure the running watts of all other connected loads.

The Wattage Reference Guide on page 10 is provided to assist you in determining how many items your generator can operate at one time. (Note: All figures are approximate. See data plate on appliance for wattage requirements.)
2.2.5 12 VOLT DC, 10 AMP RECEPTACLE

This receptacle allows you to recharge a 12 Volt automotive or utility style storage battery with the battery charge cables provided. This receptacle **cannot** recharge 6 Volt batteries and **cannot** be used to crank an engine having a discharged battery. See the section “Charging a Battery” (page 12) before attempting to recharge a battery.

2.2.6 120/240 VOLT AC, 50 AMP RECEPTACLE

Use a NEMA L14-50 plug with this receptacle. Connect a 4-wire grounded cord set to the plug and to the desired load. The cord set should be rated for 250 Volts AC at 50 Amps (or greater).

2.2.4 120/240V AC, 30 AMP RECEPTACLE

Use this receptacle to operate 120 Volt AC, 60 Hz, single phase loads requiring up to 3600 watts (3.6 kW) of power at 30 Amps. The outlet is protected by a 30 Amp push-to-reset circuit breaker.

2.2.4 120/240V AC, 30 AMP RECEPTACLE

Use this receptacle to operate 120 Volt AC, 60 Hz, single phase loads requiring up to 3600 watts (3.6 kW) of power at 30 Amps or 240 Volt AC, 60 Hz, single phase loads requiring up to 7200 watts (7.2 kW) of power at 30 Amps. The outlet is protected by two 30 Amp push-to-reset circuit breakers.

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### Section 7 — Exploded Views and Parts Lists

**Commercial-Industrial-Residential Portable Generator System**

Generator – Drawing No. 0D4488D

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<td>0D2134</td>
<td>1</td>
<td>STATOR 15KW</td>
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**ITEM PART NO. QTY. DESCRIPTION**

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2.2 CORD SETS AND CONNECTIONS

2.2.1 AC, 20 AMP, DUPLEX RECEPTACLE

This is a 120 Volt outlet protected against overload by a 20 Amp push-to-reset circuit breaker. Use each socket to power 120V, single-phase, 60 Hz, electrical loads requiring up to 2.4 kW (2400 watts). Keep extension cords as short as possible, preferably less than 15 feet long, to prevent voltage drop and possible overheating of wires.

Definition: Instead of following its normal safe path, electricity passes through a person's body to reach the ground. For example, a defective appliance can cause a ground fault if the circuit is not properly grounded.

A GFCI receptacle differs from conventional receptacles. In the event of a ground fault, a GFCI will trip and quickly stop the flow of electricity to prevent serious injury.

Testing the GFCI: Test the GFCI outlet every month as follows:

• Plug a test lamp into the receptacle.
• Start the generator, the test lamp should be on.
• Press the "Test" button located on the front of the receptacle to trip the device.
• This should stop the flow of electricity making the lamp shut off. The yellow trip indicator should now be on.
• To restore the flow of electricity, press the "Reset" button on the front of the receptacle. If the GFCI does not perform in this manner, do not use the receptacle. Contact a local service provider.

2.2.2 120V AC, 20 AMP, GFCI RECEPTACLE

This unit is equipped with a ground fault circuit interrupter (GFCI). This device meets applicable federal, state and local codes. A GFCI receptacle does not protect against circuit overloads, short circuits, or shocks. For example, electric shock can still occur if a person touches charged electrical wires while standing on a non-conducting surface, such as a wood floor.

2.2.3 120V AC, 30 AMP RECEPTACLE

Use a NEMA L5-30 plug with this receptacle. Connect a 3-wire cord set rated for 125 Volts AC at 30 Amps (or greater) to the plug.
OPERATION

2.1 KNOW THE GENERATOR

Read the Owner's Manual and Safety Rules before operating this generator.

Compare the generator to this illustration to become familiarized with the locations of various controls and adjustments. Save this manual for future reference.

1) 12 Volt DC, 10 Amp Receptacle — This receptacle allows the capability to recharge a 12 volt DC storage battery with provided battery charge cables.

2) 120 Volt AC, 20 Amp, Duplex Receptacle — Supplies electrical power for the operation of 120 Volt AC, 20 Amp, single-phase, 60 Hz electrical lighting, appliances, tool and motor loads.

3) 120 Volt AC, 20A Duplex GFCI Receptacle — Supplies ground fault protected electrical power for operation of 120 volt AC 20 amp, single-phase, 60 Hz electric lighting, appliances, tools and motor loads.

4) 120 Volt AC, 30 Amp Locking Receptacle — Supplies electrical power for the operation of 120 Volt AC, 30 Amp, single-phase, 60 Hz electrical lighting, appliances, tools and motor loads.

5) 120/240 Volt AC, 30 Amp Locking Receptacle — Supplies electrical power for the operation of 120 and/or 240 Volt AC, 30 Amp, single-phase, 60 Hz, electrical lighting, appliance, tool and motor loads.

6) 120/240 Volt AC, 50 Amp Receptacle — Supplies electrical power for the operation of 120/240 Volt AC, 50 Amp, single-phase, 60 Hz, welder or motor loads.

7) Air Cleaner — Filters intake air as it is drawn into the engine.

8) Choke Knob — Used when starting a cold engine.

9) Winter / Summer Valve — See “Cold Weather Operation.” (Section 2, page 12.)

10) Circuit Breakers (AC) — Each receptacle is provided with a push-to-reset circuit breaker to protect the generator against electrical overload. (50 amp uses toggle reset)


12) Grounding Lug — Ground the generator to an approved earth ground here. See page 9 for details.

13) Idle Control Switch — The idle control runs the engine at normal (high) speeds when there is an electrical load present and runs the engine at idle (low) speeds when a load is not present.

14) Start/Run/Stop Switch — Controls the operation of the generator.

15) Oil Fill — Use this point to add oil to engine.

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ITEM PART NO. QTY. DESCRIPTION
1 087968 1 SWITCH, ROCKER -/0
2 090418 1 OUTLET, 12VDC SNAP
3 0D6640 1 COVER, GOVERNOR CONTROL
4 090987 6 SCREW PHM M3-0.5 X 12
5 0D2502 1 PANEL, SHEET METAL
6 0D8868 2 OUTLET 30A 120V RECEPT
7 022985 2 WASHER FLAT #6
8 0D3182 10 WASHER LOCK M3
9 051714 6 NUT HEX M3-0.5 G8
10 075207 4 CIRCUIT BREAKER 30A
11 075207 2 CIRCUIT BREAKER 20A
12 0D4969 1 OUTLET 50A 250V/250V
13 0D4337 1 OUTLET 30A 250V/250V
14 0D4968 1 OUTLET 20A 120V DPLX
15 0D4966 1 OUTLET 20A 120V GFCI
16 0D1004E 1 CIRCUIT BREAKER 50A 400V
7 POLE
17 051716 8 NUT HEX M5-0.8 G8
18 022152 8 WASHER LOCK #10
19 0D5045 1 DIN RAIL 59.5mm Long
20 0D6760 1 ASSEMBLY VOLTAGE REGULATOR 60HZ
21 0D4409 1 ELECTRONIC GOVERNOR / IDLE CONTROLLER
22 0D5844 1 RELAY PNL 12VDC SPST 30A
23 0F3100 1 RELAY 3PDT 12VDC
24 0D2691 1 CONTROL PANEL BOX
25 0A1661 1 RELAY BASE 3PDT 12VDC
26 049939 1 RECTIFIER MSC 12A 600V
27 070370 1 WASHER MICA .203
28 048766 1 BLOCK TERMINAL 20A 2 X 6 X 1100V
29 0D3550 1 BLOCK DOUBLE ROW TERMINAL 8 POS.
30 049939 1 RECTIFIER MSC 12A 600V
31 070370 1 WASHER MICA .203
32 002158 1 CIRCUIT BREAKER 10A QC
33 022897 1 WASHER FLAT #10
34 057405 1 RESISTOR 25R 5% 25W
35 022473 1 WASHER FLAT 1/4
36 022097 1 WASHER LOCK M6-1/4
37 049813 1 NUT HEX M6-1.0 G8
38 065795 1 WASHER FLAT M4-1/4
39 0D4804 2 TRANSFORMER, IDLE CURRENT
40 0C1085 4 SCREW PHM M3-0.5 X 8
41 051715 18 WASHER M4-0.7 G8
42 022264 1 WASHER LOCK M4
43 0D4805 1 CIRCUIT BREAKER 6 X 1
44 087962 1 CIRCUIT BREAKER 10 X 1 12VDC 1/4"QC
45 036261 2 RIVET POP 12S X 125 / .125-.128 / #507
46 0A2769 1 LUG GRIND 8 TABS
47 032300 1 HOLDER FUSE
48 018957 3 FUSE 10A X AGC10
49 054441 1 HEATSINK
50 075457 2 SCREW PHM M4-0.7 X 10
51 049815 1 SCREW PHM M-0.8 X 16 G8.6
52 0A2053 1 SCREW PHM M6-1.0 X 65 G8.6
53 055441 1 SCREW PHM M5-0.8 X 25 G8.6
54 045770 1 SCREW PHM M5-0.8 X 2 X 15
55 0D0743 2 SPACER .25 X .50 X 1.5
56 074908 18 SCREW HWT M5-0.8 X 10
57 075235 1 SCREW PHM M5-0.8 X 30
58 080822 2 SCREW PHM M5-0.8 X 50
59 038150 14 WASHER FLAT #8
60 0D6140 1 WASHER FLAT #8
61 075476 2 SCREW PHM M4-0.7 X 16
62 027585 2 RIVET ELEC UL PERMACEL
63 058000K 1 NUT TRIC M5-0.8
64 0F3101 1 RELAY BASE 3PDT 12VDC
1.2.3 BATTERY CONNECTION

- The battery shipped with the generator has been provided fully charged. Caution must be taken when connecting the battery.
- Cut the tie wrap cable holding the RED and BLACK battery cables to the stator.
- Connect the RED battery cable to the battery Positive terminal (+). After making sure that the connection is tight, slip the rubber boot over the terminal connection.
- Connect the BLACK battery cable to the battery Negative terminal (–). Make sure the connection is tight.
- Double check all connections to ensure they are in the correct location and secure. See Figure 3 at right.

Figure 3 - Battery Connections

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Section 1 - General Information

Section 7 — Exploded Views and Parts Lists
1.1 UNPACKING

- Set the palleted carton on a rigid flat surface.
- Remove staples along bottom of carton that fasten carton to pallet. Open carton from top.
- Remove all packaging material.
- Remove separate accessory box.
- Lift carton off the generator.
- Remove generator from shipping pallet by removing bolts through the shipping brackets.

1.1.1 ACCESSORY BOX

Check all contents. If any parts are missing or damaged locate an authorized dealer at 1-800-333-1322.

Contents include:
- Owner’s Manual
- Bolt-on tubular handle
- Wheel Axle
- 2 – Pneumatic Wheels
- 2 – Axle Bracket Assemblies
- 2 – Washers
- 2 – Wheel Spacers
- 2 – Cotter Pins
- Bolt-on Foot
- 6 – Carriage Bolts, Washers, Nuts
- Battery Charge Cable
- Spark Plug Wrench
- 2 Spark Plugs.
- Air Filter
- Pre-cleaner

1.2 ASSEMBLY

The generator requires some assembly prior to using it.

1.2.1 ASSEMBLING THE WHEEL KIT

The wheel kit is designed to greatly improve the portability of the generator. A socket wrench with a 9/16" socket, a 1/2" wrench and a pair of pliers are the tools that will be needed for assembly of the wheel kit.

Note: The wheel kit is not intended for over-the-road use.

- Refer to Figure 2 shown on opposite page and install the wheel kit as follows:
  - Place the generator on a hard flat surface.
  - Stand at the engine end of the unit and gently tilt the generator forward, high enough to place wooden blocks beneath the cradle. This will allow space to install the wheel assemblies.
  - Attach an axle bracket assembly with attached sleeve to either side of the frame. Ensure the sleeve faces outward.
  - Slide the axle through the sleeves on the axle brackets.
  - Slide one wheel with flat washer to the outside and a spacer to the inside onto each end of the axle. Make sure the air inflation valve on the wheel is facing outward.
  - Insert retaining pins and using pliers, bend out the ends to prevent the pins from falling out of the axle. Remove the wooden blocks.

1.2.2 ASSEMBLING THE HANDLE

- Attach the handle by aligning one side of the handle on the cradle, then spread the handle around the cradle and let it spring into place. Secure the handle to the frame using the 5/16" hex head bolts provided. Check each fastener to ensure that it is secure.
- Using the handle, lift the unit high enough to place wooden blocks under the unit. Attach the front support foot to the underside of the cradle using the 3/8" carriage bolts provided.
- Remove the shipping brackets from the cradle, if you have not already done so.
3.3 GENERAL RECOMMENDATIONS

The warranty of the generator does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the generator as instructed in this manual. Some adjustments will need to be made periodically to properly maintain the generator. All adjustments in the Maintenance section (3) of this manual should be made at least once each season. Follow the requirements in the "Maintenance Schedule" chart on page 14.

NOTE: Once a year you should replace the spark plug and replace the air filter. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer.

3.3.1 GENERATOR MAINTENANCE

Generator maintenance consists of keeping the unit clean and dry. Operate and store the unit in a clean dry environment. Never use water to clean the generator. Use a damp cloth to wipe exterior surfaces clean. A soft, bristle brush may be used to loosen caked on dirt, oil, etc. A vacuum cleaner may be used to pick up loose dirt and debris. Low pressure air (not to exceed 25 psi) may be used to blow away dirt. Inspect cooling air slots and openings on the generator. These openings must be kept clean and unobstructed.

3.3.2 TO CLEAN THE GENERATOR

- Use a damp cloth to wipe exterior surfaces clean.
- A soft, bristle brush may be used to loosen caked on dirt, oil, etc.
- A vacuum cleaner may be used to pick up loose dirt and debris.
- Low pressure air (not to exceed 25 psi) may be used to blow away dirt. Inspect cooling air slots and openings on the generator. These openings must be kept clean and unobstructed.

3.3.3 ENGINE MAINTENANCE

DANGER!

When working on the generator, always disconnect negative cable from battery. Also disconnect spark plug wires from spark plug and keep wire away from spark plug.

3.3.4 CHECKING OIL LEVEL

See the "BEFORE STARTING THE GENERATOR" section on page 10 for information on checking the oil level. The oil level should be checked before each use, or at least every eight hours of operation. Keep the oil level maintained.

3.3.5 CHANGING THE OIL AND OIL FILTER

Change the oil and filter after the first eight hours of operation. Change the oil every 100 hours thereafter. If you are running this unit under dirty or dusty conditions, or in extremely hot weather, change the oil more often.

Use the following instructions to change the oil while the engine is still warm:

- Clean area around oil drain hose and plug.
- Remove oil drain plug from end of hose and oil fill plug to drain oil completely into a suitable container.
- When oil has completely drained, install oil drain plug and tighten securely.
- Place a suitable container beneath the oil filter and turn filter counterclockwise to remove. Discard according to local regulations.
- Coat gasket of new filter with clean engine oil. Turn filter clockwise until gasket contacts lightly with filter adapter. Then tighten an additional 3/4 turn.
- Fill oil sump with recommended oil. (See "Before Starting the Generator" on page 10 for oil recommendations).
- Wipe up any spilled oil.

Section 3 — Maintenance

Commercial-Industrial-Residential Portable Generator System

Section 6 — Electrical Data

Commercial-Industrial-Residential Portable Generator System

Wiring Diagram – Drawing No. 0E0228
3.2.1 GENERATOR SPECIFICATIONS

MODEL C 12500 C 15000

Model # 04986 04987

Rated Max. Power 12.5 kW 15.0 kW

Surge Power 18.75 kW 22.5 kW

Rated AC Voltage 120/240 120/240

Rated Max AC Load Current @ 240V 52.0 Amps 62.5 Amps
Current @ 120V 104.0 Amps 125.0 Amps

Rated Frequency 60 Hz @ 3600 RPM

Phase Single Phase

Rated DC Voltage 12 Volts

Rated Max DC Load Current @ 12 Volts 10 Amperes

3.2.2 ENGINE SPECIFICATIONS

Rated Horsepower @ 3600 RPM 27 30

Displacement 763cc 992cc

Spark Plug Type Champion®RC14YC or Equivalent

Spark Plug Gap 0.030 inch or (0.76 mm)

Gasoline Capacity 16 U.S. gallons

Oil Type Summer – SAE 30 or 10W-30 / Winter – Synthetic 5W-20 or 5W-30

Oil Capacity w/ Filter Change = 1.5 Qts. w/o Filter Change = 1.2 Qts.

Run Time/Fuel Consumption-1/2 Load 10 Hours / 1.6 gallons per hour

10 Hours / 1.6 gallons per hour

Check Oil Level ✓

Service Air Pre-Cleaner ✓

Change Oil and Oil Filter‡ ✓

Clean Spark Arrestor Screen ✓

Adjust Valve Clearance ✓

Service Air Cleaner ✓

Replace Spark Plugs ✓

‡ Change oil after first 8 hours of operation then every season.

* Change oil and oil filter every month when operating under heavy load or in high temperatures. ** Clean more often under dirty or dusty operating conditions. Replace air cleaner parts if very dirty.