

Maintenance

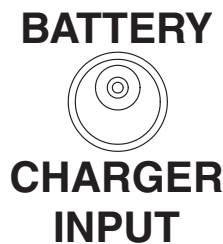
Use battery charger plug to keep the battery charged and ready for use. Battery charging should be done in a dry location.

1. Plug charger into "Battery Charger Input" jack, located on the control panel. Plug wall receptacle end of the battery charger into a 120 Volt AC wall outlet.
2. Unplug battery charger from wall outlet and control panel jack when generator is going to be in use.

NOTE:

Do not use the battery charger for more than 48 hours at one charge.

Figure 13 - Battery Charger Jack



3.1 PERFORMING SCHEDULED MAINTENANCE

It is important to perform service as specified in the Maintenance Schedule for proper generator operation, and to ensure that the generator complies with the applicable emission standards for the duration of its useful life. Service and repairs may be performed by any capable person or repair shop. Additionally, emissions critical maintenance must be performed as scheduled in order for the Emissions Warranty to be valid. Emissions critical maintenance consists of servicing the air filter and spark plugs in accordance with the Maintenance Schedule.

3.2 MAINTENANCE SCHEDULE

Follow the calendar intervals. More frequent service is required when operating in adverse conditions noted below.

Check Oil Level	At Each Use
Change Oil ‡	*Every 100 hours or Every Season
Check Valve Clearance	***Every Season
Service Air Filter	** Every 200 hours or Every Season
Replace Spark Plug	Every Season

‡ Change oil after first 30 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 filter parts if they cannot be adequately cleaned.

*** Check valve clearance and adjust if necessary after first 50 hours of operation and every 100 hours thereafter.

3.3 PRODUCT SPECIFICATIONS

3.3.1 GENERATOR SPECIFICATIONS

Rated Power	5.5/6.5/7.5 kW**
Surge Power	6.875/8.125/9.375 kW
Rated AC Voltage	120/240
Rated AC Load	
Current @ 240V (5.5/6.5/7.5 kW)	22.9/27.1/31.3 Amps**
Current @ 120V (5.5/6.5/7.5 kW)	45.8/54.2/62.5 Amps**
Rated Frequency	60 Hz @ 3600 RPM
Phase	Single Phase

** Operating Temperature Range : -18 deg. C (0 deg. F) to 40 Deg. C (104 Deg. F). When operated above 25 deg. C (77 deg. F) there may be a decrease in power.

** Maximum wattage and current are subject to, and limited by, such factors as fuel Btu content, ambient temperature, altitude, engine condition, etc.. Maximum power decreases about 3.5% for each 1,000 feet above sea level; and will also decrease about 1% for each 6° C (10° F) above 16° C (60° F) ambient temperature.

3.3.2 ENGINE SPECIFICATIONS

5.5/6.5kW

Displacement	389 cc
Spark Plug Type	NHSP LDF7TC or Champion N9YC
Spark Plug Part No.	0G84420101
Spark Plug Gap	0.028-0.031 inch or (0.70-0.80 mm)
Gasoline Capacity	25.6 L (6.77 U.S. gallons)
Oil Type.....	See Chart in "Before Starting the Generator" Section
Oil Capacity	1.0 L (1.06 Qts.)
Run Time at 50% Load.....	10 Hours

7.5 kW

Displacement	420cc
Spark Plug Type	Champion N9YC or NHSP LDF7TC
Spark Plug Part No.	0G84420101
Spark Plug Gap	0.028-0.031 inch or (0.70-0.80 mm)
Gasoline Capacity	28.4 L (7.5 U.S. gallons)
Oil Type.....	See Chart in "Before Starting the Generator" Section
Oil Capacity	1.0 Liters (1.06 Qts.)
Run Time (50% Load).....	12 Hours

3.4 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 of this manual should be made at least once each season. Follow the requirements in the "Maintenance Schedule".

NOTE:

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