

2.12 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 5 psi. 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 oil pressure. If the engine shuts down by itself and the fuel tank has enough gasoline, check engine oil level.

2.12.1 RESTARTING

If trying to restart the engine within 10 seconds after it shuts down, the engine may NOT start. The system needs five (5) to 10 seconds to reset.

If the engine is restarted after such a shutdown and the low oil pressure has not been corrected, the engine will run for about 10 seconds as described above and then stop.

2.13 CHARGING THE BATTERY

⚠ DANGER!

⚠ Do not permit smoking, open flame, 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 corrosive sulfuric acid solution that can cause severe burns. If spill occurs flush area with clear water immediately.

⚠ 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.

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.

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 and Oil Filter‡	*Every Season/Every 100 Hours
Clean Spark Arrestor Screen	*Every Season/Every 100 Hours
Service Air Filter	*Every Season/Every 200 Hours
Replace Spark Plug	*Every Season/Every 100 Hours

‡ 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 or replace more often under dirty or dusty operating conditions. Replace air filter parts if very dirty.

3.3 PRODUCT SPECIFICATIONS

3.3.1 GENERATOR SPECIFICATIONS

Rated Max. Power	10.0 kW**
Surge Power	12.5 kW
Rated AC Voltage	120/240
Rated Max AC Load	
Current @ 240V	41.6 Amps**
Current @ 120V	83.3 Amps**
Rated Frequency	60 Hz @ 3600 RPM
Phase	Single Phase
Rated DC Voltage	12 Volts
Battery Type	10 AH, 12VDC

** 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

Rated Horsepower @ 3600 RPM	18 Hp
Displacement	530cc
Spark Plug Type	NGK BPR6HS or Equivalent
Spark Plug Gap	0.030 inch or (0.76 mm)
Gasoline Capacity	10 U.S. gallons
Oil Type	See Chart in "Adding Engine Oil" Section
Oil Capacity	w/ Filter Change = 1.8 Qts. w/o Filter Change = 1.5 Qts.

Run Time/Fuel Consumption-1/2 Load .. 10 Hours / .73 gallons per hour
Class II Emission Certified