

## 7. MAINTENANCE

Maintenance, repair and replacement of the emission control system and components should be carried out by a qualified and authorized person.

### DAILY INSPECTION

- Check for excessive vibration, noise.
- Check oil level and quality.
- Check the area surrounding the generator is clear.
- Check the air filter element and clean if necessary.
- Check the joints and gas hose for leakage or breaks.
- Check for any loose or broken bolts and nuts.
- Check engine for any obvious oil leaks.

### PERIODIC MAINTENANCE

Periodic maintenance is vital for the safe and efficient operation of your generator. Check the table below for periodic maintenance intervals.

It is also necessary for the user of this generator to ensure the maintenance and adjustments on the emission related parts listed below to keep the emission control system effective.

The emission control system consists of the following parts:

- (1) Enerkit carburetor
- (2) Cold start enrichment system, if applicable
- (3) Intake manifold, if applicable
- (4) Air cleaner elements
- (5) Spark plug
- (6) Magneto or electronic ignition system
- (7) Spark advance/retard system, if applicable
- (8) Exhaust manifold, if applicable
- (9) Hoses, belts, connectors, and assemblies

The maintenance schedule indicated in the table is based on the normal generator operation. Should the generator be operated in extremely dusty condition or in heavier loading condition, the maintenance intervals must be shortened depending on the contamination of oil, clogging of filter elements, wear of parts, and so on.

Maintenance items	Every 8 hours (daily)	Every 20 hours	Every 50 hours (weekly)	Every 200 hours (monthly)	Every 500 hours	Every 1000 hours
CLEAN GENERATOR AND CHECK BOLT AND NUTS	•(daily)					
CHECK AND REFILL ENGINE OIL	•(refill daily up to upper level)					
CHANGE ENGINE OIL (*Note1)		•(initial)	•(every100 hours)			
CLEAN SPARK PLUG			•			
CLEAN AIR CLEANER			•			
REPLACE AIR CLEANER ELEMENT				•		
CLEAN FUEL STRAINER				•		
CLEAN AND ADJUST SPARK PLUG AND ELECTRODES				•		
REPLACE SPARK PLUG					•	
SPARK ARRESTER			•(every 100 hours)			
REMOVE CARBON FROM CYLINDER HEAD (*Note 2)					•	
CHECK AND ADJUST VALVE CLEARANCE (*Note2)					•	
CLEAN AND ADJUST CARBURETOR (*Note 2)					•	
CLEAN AND REPLACE CARBON BRUSHES						•
REPLACE FUEL LINES						•

\*Note: 1. Initial oil change should be performed after first twenty (20) hours of operation. Thereafter change oil every hundred (100) hours. Before changing oil, check for a suitable way to dispose of old oil. Do not pour it down into sewage drains, onto garden soil or into open streams. Your local zoning or environmental regulations will give you more detailed instructions on proper disposal.

\*Note 2. Should be done by your dealer, unless you are equipped with proper repair tools, and are properly trained and are qualified mechanically.