

INSTRUCTIONS FOR OPERATING PORTABLE
HOMELITE GASOLINE-ELECTRIC GENERATOR

1. GENERAL

1.01 The purpose of these instructions is to outline the procedure to be followed to insure satisfactory operation of Homelite Gasoline-Electric Generators.

2. ENGINE

2.01 The gasoline engine used in this unit is of the 2-cycle, single-cylinder air-cooled type. The engine is equipped with a high tension magneto for ignition and a governor for controlling the speed.

3. GENERATOR

3.01 The generator is direct connected to the engine and is so designed that it cannot be easily injured by overloading as would occur in case of a short circuit due to an electric drill armature stalling. The generator is rated at 600 watts, 110 volts, direct current.

4. FUEL AND LUBRICATION

4.01 All of the engine parts are lubricated by oil mixed with the gasoline. The mixing of the lubricating oil and gasoline must be carefully done, making sure that just the proper amount of oil is used and that it is thoroughly mixed with the gasoline.

4.02 Never use gasoline without first mixing lubricating oil with it. Mix the oil and gasoline as follows:

- (a) Fill a one gallon can about $2/3$ full of clean gasoline.
- (b) Pour in $1/2$ pint of heavy lubricating oil.
- (c) Mix with a clean stick or by shaking well.
- (d) Finish filling gallon can with gasoline.

Use a safety gasoline can and keep the fuel free from foreign matter.

5. STARTING ENGINE

5.01 After filling the tank with the mixture of gasoline and oil, proceed as follows to start the engine:

- (a) Open carburetor needle valve two full turns.
- (b) Close choke by pushing choke rod all the way in.
- (c) With the ends of the starting rope held one in each hand, take a full turn about the starting pulley so that, by pulling on the end held in the right hand, the engine will turn in the direction indicated by the arrow. A quick pull will turn the engine over rapidly.
- (d) As soon as engine has started, open choke by pulling choke rod all the way out.
- (e) Adjust carburetor needle valve to a smooth running position. This will usually require closing needle valve to approximately one turn open. If engine

misses it usually indicates that needle valve is too far open. The carburetor adjustment is rather sensitive so needle valve should be turned slowly and not too far at one time. The effect of changes in needle valve setting are not immediately noticeable in the operation of the engine. Wait approximately ten seconds after making an adjustment before making further adjustments.

6. STOPPING ENGINE

6.01 Push in stop button on front of magneto and hold firmly until engine stops. This grounds the magneto, cutting off the ignition. Close carburetor needle valve until needle just touches seat. Do not close too tightly as this jams needle valve into the seat and damages both the needle valve and seat with the result that a proper mixture is difficult to obtain.

7. REPAIRS

7.01 When the unit requires repairs, it should be turned in to the supervising garage foreman or other designated employee and a Trouble Ticket, Form SN-468, prepared showing the number of the unit and a brief statement of the trouble.