

INSTRUCTIONS FOR OPERATING THE
PORTABLE HOMELITE SELF-PRIMING
CENTRIFUGAL PUMP

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1. GENERAL

1.01 The purpose of these instructions is to outline the procedure to be followed in order to insure the satisfactory operation of the Homelite Self-Priming Centrifugal Pump.

2. ENGINE

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

3. PUMP

3.01 The pump is the centrifugal type and is direct connected to the engine.

3.02 Fill the pump body with water before starting the engine. Never run the engine without water in the pump.

3.03 To start pumping, throw the lever near the bottom of the pump body to the side marked "Prime." Let the motor run approximately two minutes, then throw the lever to the pump position for full volume.

3.04 It is important that all of the intake hose connections have the proper rubber gaskets, and that all of the connections are tight. A special wrench is provided for this purpose.

3.05 Never remove foot intake valve screen from the end of the intake hose while the pump is in operation, in order to avoid the possibility of foreign objects damaging the pump mechanism.

4. FUEL AND LUBRICATION

4.01 All of the engine parts are lubricated by oil mixed with the gasoline. Never use gasoline as fuel without first mixing lubricating oil with it. The mixing must be carefully done to insure that the proper amount of oil is used and that it is thoroughly combined with the fuel.

4.02 The gasoline and oil should be mixed as follows:

- (a) Fill a one-gallon safety can about two-thirds full of clean gasoline.
- (b) Pour in one-half pint of heavy (S.A.E.40) lubricating oil.
- (c) Mix with a clean stick, or by shaking well.
- (d) Finish filling the can with gasoline.

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

5. STARTING ENGINE

5.01 Fill the tank with the gasoline and oil mixture and proceed as follows to start the engine.

(a) Close the carburetor choke and spin the engine with the starting lever, either hand or foot type, giving the lever its complete downward stroke.

(b) When the engine starts, release the choke gradually until the engine is warm.

5.02 When starting the type of engine having the adjustable carburetor, open the carburetor needle valve about two turns. After the engine has started, open the choke and adjust the carburetor needle valve to a smooth-running position. This will ordinarily require closing the needle valve to approximately one turn open. If the engine misses, it usually indicates that the needle valve is open too far. The needle valve should be turned slowly and not too far at one time as the carburetor adjustment is sensitive. The effect of changes in the setting is not immediately noticeable in the operation of the engine. Wait about 10 seconds after making an adjustment before making another change in the setting.

6. STOPPING ENGINE

6.01 Push in the stop button on the front of the magneto or on top of the pump assembly and hold firmly until the engine stops. This grounds the magneto, cutting off the ignition.

6.02 On the type of engine having the adjustable carburetor, close the carburetor needle valve until the needle just touches the seat. Do not close too tightly as this jams

the needle valve into the seat, damaging these parts, with the result that a proper mixture is difficult to obtain.

7. REPAIRS

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