



**CALIFORNIA MARINE PRODUCTS inc.**

P. O. BOX 1743 • (714) 646-1823 • NEWPORT BEACH - CALIF 92663

# **HILLERANGE**

## **INSTRUCTIONS FOR CARE AND OPERATION**

The alcohol burners in this range are designed to give trouble-free operation during years of use. Follow the simple operational suggestions and you will be assured of full satisfaction.

### **FUEL**

Gum-free alcohol should be used. To check, pour a little in a clean saucer, ignite it, and if a gummy residue remains, do not use in the stove. Personally I prefer a good clean denatured alcohol, some of which are virtually odorless.

### **OPERATION**

1. Priming the HILLERANGE is quickly and easily accomplished. It is necessary to preheat the burner and generator tube that runs over the center of the burner which gasifies the liquid alcohol.

2. First, pump up the tank pressure to approximately 10 pounds. Then turn valve knob counter-clockwise about ½ turn and count three slowly, which allows alcohol to flow into the pan under the burner. **CLOSE THE VALVE.** Wait a moment or two for the fuel to soak into priming wick. Then light. The priming flame should not be more than three or four inches above the burner. **IF IT IS HIGHER, YOU ARE PRIMING TOO MUCH!**

3. When the fuel in the priming pan is nearly burned out or blue flame around the burner shows the generator is heated, open the valve slowly, thus lighting the burner.

The full blue cooking flame will appear when the prime is entirely burned out.

4. Perfect control of your cooking flame is obtained by opening or closing the control valve. Unless fuel tank is nearly empty, very little additional pumping is required to maintain the air pressure. If more heat is desired, simply increase the tank pressure.

5. When through cooking, shut the control valve, **BUT NOT TOO TIGHT.** It usually takes a few seconds after closing the valve for the flame to die down. **DO NOT ATTEMPT TO FORCE THE BURNER CLOSED.** Force will injure the burner seat and may render the entire stove useless until new parts are installed. Release the pressure in the fuel tank by loosening the filler cap. Then loosen the burner control valve slightly so it will not seize or stick when the burner cools. **WHEN THROUGH COOKING, WE AGAIN EMPHASIZE; RELEASE THE AIR PRESSURE IN THE FUEL TANK AND SEE THAT ALL BURNER CONTROLS ARE CLOSED!**

### **MAINTENANCE**

Your HILLERANGE requires no attention other than normal cleaning. A poor or improper flame will usually indicate a dirty burner or clogged generator. In the event the trouble is in the generator, it is best to secure the services of a mechanic familiar with alcohol burners.

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## LEAKAGE

The threaded joints in the HILLERANGE are all set up with an excellent heat resistant joint compound, and leaks at these points are extremely rare. The stuffing box on the valve stem is filled with a time tested packing. If leakage occurs at this point and flame appears at the stuffing nut, a 1/2" open end wrench will quickly tighten the nut, moving the wrench clockwise. If it persists a drop of light oil on the valve stem will lubricate the stem, and once the nut is tightened, no more trouble should occur.

**REMEMBER:** Water extinguishes burning alcohol. Your priming flame should not be more than three or four inches above the burner. **IF IT IS HIGHER YOU ARE**

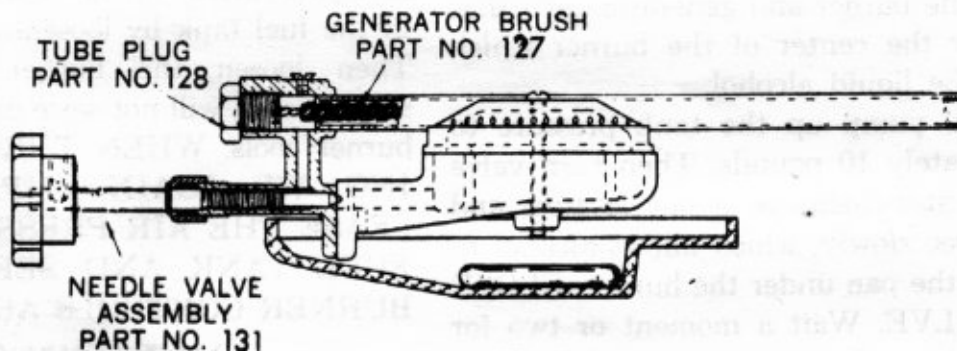
**PRIMING TOO MUCH.** Releasing the air pressure on the tank always cuts off all fuel flow through piping and burners.

## CLEANING FUEL TANKS

When moisture accumulates in the fuel tank or in the cans kept as storage — the entire mixture should be thrown out. Water or moisture will tend to increase the accumulation of rust, dirt and foreign substances in the tank. These particles, carried to the burner will bake hard in the generator until the passages become completely clogged and the burner and generator must be replaced. It is suggested in cleaning the tank that it be removed from the boat, and dumped, making sure all scale, etc. is removed before replacing.

**IN CASE OF FIRE ABOUT BURNERS OR IN OVEN,  
DASH WATER ON FLAMES —  
THIS IS ALWAYS EFFECTIVE ON AN ALCOHOL FIRE.**

## ALCOHOL BURNER REPAIR PARTS



*Order By  
Part No.*

*Description*

124	Burner complete, as illustrated .....	\$19.00
128	Generator Tube Plug .....	.75
127	Generator Brush .....	1.50
125	Generator Tube, with end castings (does not include Part No. 128) .....	9.50
129	Burner Casting only .....	3.50
130	Priming Pan .....	3.00
131	Needle Valve Assembly .....	3.50