

**OPERATING INSTRUCTIONS  
AND REPAIR PARTS MANUAL**

**THERMOS.**

**FOREMOST BRAND IN OUTDOOR LIVING**



**CAMP LANTERN**

*Model 8326*

*Burns Any Gasoline*

**WARRANTY**

We warrant all products of our manufacture for a reasonable period of normal operation. Such warranty covers defect in material or workmanship, but does not cover labor or freight charges incidental to such repair, or transportation damage claims.

We reserve the right to repair or replace at our option such defects as may be found, but we will not be responsible for defects caused by abuse, alteration, misuse or accidental damages as determined by our factory Service Department, field salesmen, or authorized Service Centers.

No other representative, dealer or distributor, or any other person is authorized or permitted to make any other warranty or obligate the company to any liability not strictly in accordance with this policy.

This warranty is in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part.

PLEASE READ OPERATING INSTRUCTIONS CAREFULLY  
AND FOLLOW CLOSELY

**THERMOS DIVISION**

OF KING-SEELEY **KST** THERMOS CO.

**MACOMB PLANT**

**MACOMB, ILLINOIS**

*America's Original Gasoline Camp Stove*

Continuously Manufactured Since 1910



# INSTRUCTIONS

**THIS LANTERN WILL BURN EITHER REGULAR OR ETHYL GASOLINE OR WILL OPERATE EQUALLY AS WELL USING UNLEADED (WHITE) GAS.**

**CAUTION: WHEN OPERATED CONTINUOUSLY, THIS LANTERN WILL GENERATE A CONSIDERABLE AMOUNT OF HEAT IN THE VICINITY OF THE VENTILATOR HOOD AND GLOBE. THEREFORE, IT SHOULD BE KEPT WELL AWAY FROM TENT FABRICS, BEDROLLS, AND SUCH OTHER MATERIALS THAT MIGHT BE IGNITED BY SUCH HEAT. IN FACT, IT IS RECOMMENDED THAT THE LANTERN BE USED FOR ILLUMINATING THE GENERAL CAMPING AREA RATHER THAN THE LIMITED CONFINES OF A TENT.**

## UNPACKING INSTRUCTIONS

1. Remove protective pad from lantern. Lift lantern from carton. Remove bail handle & turn ventilator hood clockwise to remove from lantern. Slide globe upward over burner head and remove corrugated sleeve.
2. Tie a mantle around the groove of the burner tip as described & illustrated on back page.
3. Install globe with small end down.
4. Assemble ventilator hood & bail handle by reversing unpacking instructions in Par. 1.

## FILLING TANK

1. Close mixture valve tightly.
2. Remove pump assembly & fill with any **good grade of auto gasoline**. Do not fill to capacity, as an adequate air space must be left in the top of the tank. If possible, use a filter funnel with a fine mesh screen.\*
3. Replace pump assembly. Tighten snugly with fingers.
4. Wipe any gasoline off lantern that has been spilled, or do not light until it has evaporated.

## AIR PRESSURE

1. Always check valve. Be sure it is closed.
2. Lanterns are designed to start on 25 to 30 pounds of air pressure. About 50 to 60 strokes on the pump will result in these pressures, providing the tank is full of fuel. However, at lower fuel levels, an additional 20 or more strokes are necessary to obtain this pressure.

## LIGHTING

1. If a new mantle has been installed, it is necessary to "burn off" the mantle before attempting to light the lantern. Apply a lighted match to the bottom of the mantle, through the hole in the base plate, and the mantle will burn and turn to white ash. The lantern is then ready for operation.
2. With mixture valve still closed, and with fuel and air pressure in the tank, slowly turn the eccentric crank several revolutions. Leave the crank pointed down, as the lantern will not operate with the crank in any other position.
3. Insert a lighted match through the hole provided in the base plate, and open valve 1/4 turn. If match burns out before mantle lights, close valve while lighting another match and proceed as before.
4. After the lantern has been burning for about a minute, or until there is no yellow flame around the mantle, turn the mixture valve completely open, and add 20 or more strokes of air pressure.
5. Should the lantern smoke excessively when starting, it is advisable to turn the valve back until it is just cracked open and to rotate the eccentric crank several turns slowly until flame clears up.

## TURNING OFF

1. Close mixture valve.
2. TURN ECCENTRIC CRANK UP WHEN MANTLE BEGINS TO DIM. THIS PREVENTS BLOWING OUT MANTLE.
3. After light is out, return eccentric crank to operating position and release air pressure.
4. IF LANTERN MUST BE EXTINGUISHED QUICKLY, TURN ECCENTRIC CRANK UPWARD AND THEN CLOSE MIXTURE VALVE.

## REPLACING GENERATOR

1. After lantern is cool, remove bail handle and ventilator hood as explained in Par. 1 of unpacking instructions.
2. Lift off globe.
3. Remove hex head bolt in center of base plate, and lift complete burner assembly off.
4. Remove the generator jam nut.
5. Turn the eccentric crank upward.
6. Lift the generator slightly upward & slide the shank of the generator cleaning needle out of the eccentric link.
7. Remove the generator from the lantern.
8. Place jam nut over new generator.
9. Pull needle down from tube about 1/4 inch.
10. Slide the needle shank into the eccentric link. Be sure it is hooked in the link.
11. Turn the eccentric crank upward.
12. Pull generator down on the eccentric body.
13. Tighten the jam nut.
14. Re-assemble the lantern.

## REPLACING MANTLE (See back page)

1. Do not operate the lantern with a punctured mantle. This will cause damage to the globe and burner head.
2. Mantles may puncture if excessive air pressure is pumped into the tank.
3. For longer service and better light, always use THERMOS mantles.

## FUEL

1. Use any good grade of gasoline.
2. Remove gasoline when lantern is stored, and clean tank periodically with a gasoline rinse.
3. Old, stale and dirty fuel will cause carbonization and shorten the life of the generator.

## TIP CLEANER

1. Turning the eccentric crank cleans the tip of the generator. If light should dim, slowly give this crank several turns. Rapid turning might bend the tip of the needle.
2. Always return the crank to the down position.

## IMPORTANT!

AFTER APPLIANCE HAS BEEN IN USE, THE PACKING IN THE VALVE STEM NUT CAN SHRINK, CAUSING A LEAK. TIGHTEN NUT PERIODICALLY WITH A WRENCH. THE ECCENTRIC CRANK PACKING SHOULD BE CHECKED REGULARLY ALSO. ON SOME MODELS IT MAY BE NECESSARY TO REMOVE THE BURNER HEAD ASSEMBLY IN ORDER TO TIGHTEN THE SMALL HEX SCREW ON THE ECCENTRIC. DO NOT OPERATE LANTERN WHERE GASOLINE IS STORED OR HAS BEEN SPILLED.

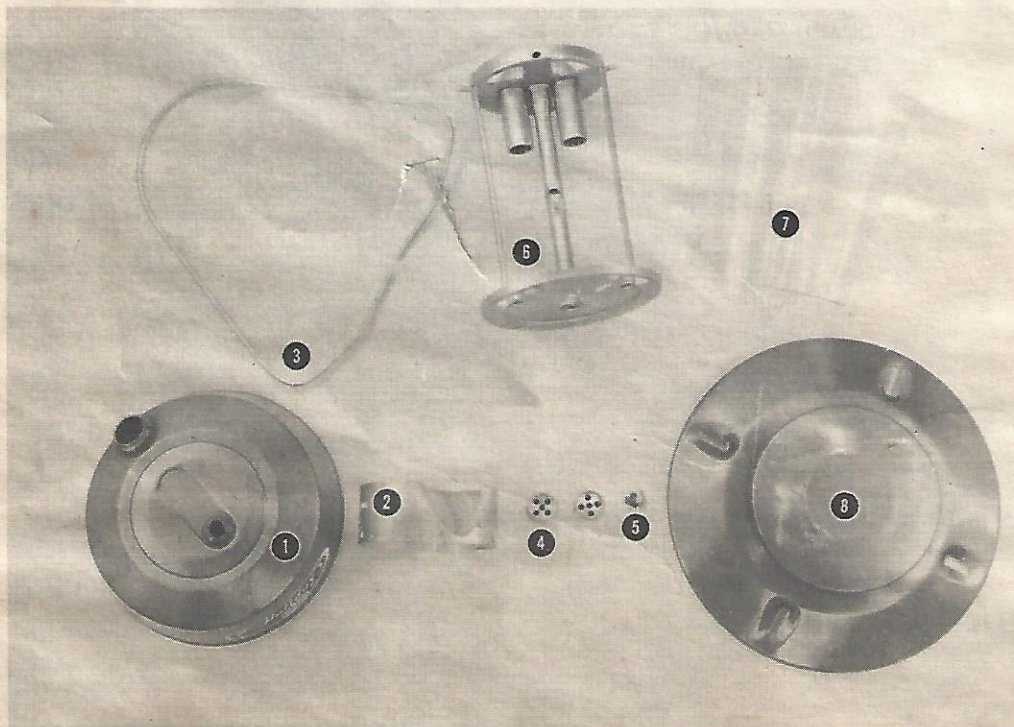
\*Filter funnel #730 is available at the factory or any service center.



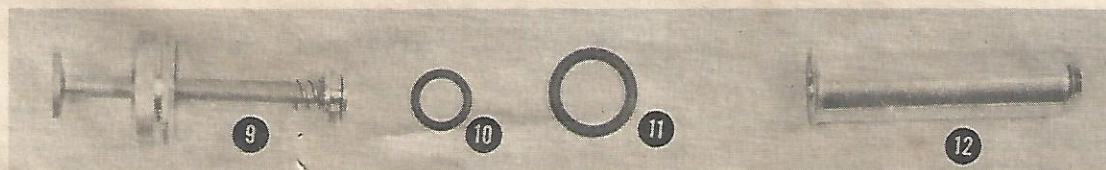


# PARTS LIST FOR ILLUSTRATIONS BELOW

1. 6957228 Tank Assembly
2. 6900512 Collar
3. 01-13-0115 Bail Wire
4. 6958501 Burner Tip/Screen
5. 01-08-0030 Burner Head Screw
6. 6957303 Burner Head Assembly
7. 702 Globe
8. 6957117 Ventilator Assembly
9. 01-03-0052 Pump Rod Assembly
10. 03-02-0033 "O" Ring
11. 03-02-0034 "O" Ring
12. 01-03-0053 Pump Barrel
13. 37-08-0047 Pump Assembly Complete



## PUMP ASSEMBLY

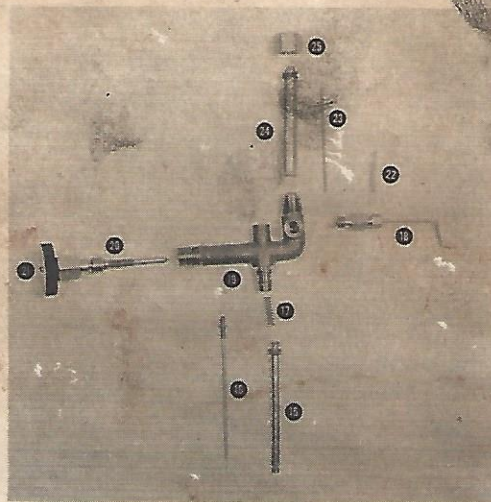




## GENERATOR

### SHUT - OFF ASSEMBLY

- |     |            |                                 |                          |
|-----|------------|---------------------------------|--------------------------|
| 14. | 715        | Mantle 2/Unit (not illustrated) |                          |
| 15. | 6957702    | Fuel and Air Tube Assembly      |                          |
| 16. | 6957802    | Fuel Needle Assembly            |                          |
| 17. | 01-19-0025 | Spring                          |                          |
| 18. | 6958001    | Eccentric Complete              |                          |
| 19. | 01-01-0057 | Valve Body                      |                          |
| 20. | 6957901    | Cut-Off Assembly                |                          |
| 21. | 01-08-0036 | Screw                           |                          |
| 22. | 01-01-0056 | Eccentric Link                  |                          |
| 23. | 6958103    | Generator Needle                | } 773 Generator Assembly |
| 24. |            | Generator Tube                  |                          |
| 25. | 01-01-0055 | Generator Nut                   |                          |



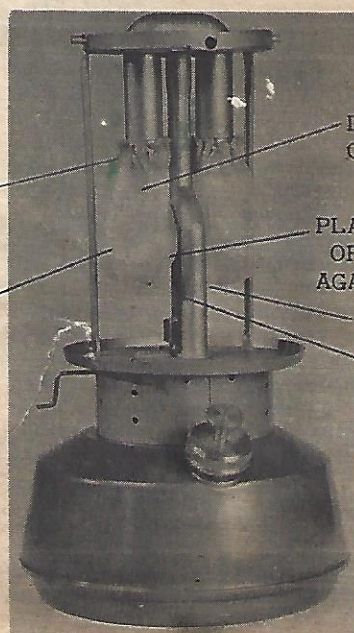
**Generator and Valve Assembly**  
**6958303 - 15 thru 25**

## IMPORTANT

ALWAYS INSTALL MANTLES CORRECTLY  
FOR PROPER LIGHTING OPERATION

TIE SQUARE KNOT &  
CUT OFF EXCESS STRING

MANTLE



DISTRIBUTE FOLDS  
ON AIR TUBE SIDE

PLACE THE CREASE  
OF THE MANTLES  
AGAINST GENERATOR

AIR TUBE

GENERATOR

THE MANTLE PULLING AWAY FROM GENERATOR AFTER LIGHTING INDICATES WRONG INSTALLATION AND RESULTS IN SLOW GENERATING TIME; ALSO THE MANTLE IS MORE FRAGILE IN THIS POSITION.

### REPAIR PARTS ORDERS

A complete system of Authorized Repair Stations is maintained for THERMOS products in all major cities. Any repairs or spare parts requests should be directed to the repair station in your immediate vicinity.

Repair parts are also available direct from the factory. When ordering parts, always give the name of the part number, including the model of the appliance. The model number is stamped on the collar between the fuel tank and burner head.

Print your name and address. Include zip code, rural route or box numbers.

All repair parts F.O.B. factory.

Customer Service Dept.

**THERMOS DIVISION**

of

**KING-SEELEY THERMOS CO.**

Macomb, Illinois

61455

05-05-0241