

WHY YOUR CATALYTIC HEATER OPERATES (Principles of Operation of Your Heater)

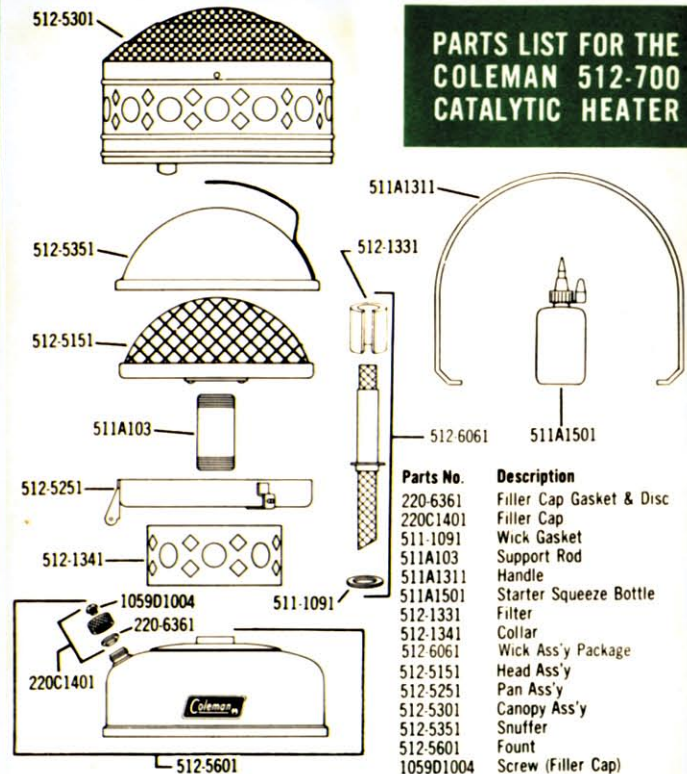
In a real scientific break-through, we have made available to you heat — safety — convenience.

Gasoline vapor oxidizes (burns) at a very much lower temperature and more completely in the presence of a platinum catalyst. Fine specks of metallic platinum are distributed throughout the surface of the woven asbestos in the head. The gasoline vapor and the air combine on these surfaces to produce heat and because of the chemical process, carbon dioxide and water vapor.

Because the head temperatures are low, your heater will char a piece of paper but will not cause it to burst into flames. It also will not ignite gasoline vapor or liquid gasoline so that it can be safely used around your car.

The chemical reaction is started by heating the head. Outdoors, the simplest way is to pour some fuel on the head (see instructions) and light it with a match. By the time this flame goes away, the head temperature is high enough to start producing heat, and it builds up over the next ten or fifteen minutes to full capacity. While the generating flames are present, temperatures are high enough to light paper or gasoline, but once they have died away the safety temperatures discussed above are in effect.

There is no pressure in your heater tank. The gasoline is taken up from the tank by a wick which fills the inside of the head with unburned gasoline vapor. This seeps out through the head at a carefully designed rate to provide the reaction discussed. On other catalytic heaters, cold surrounding temperatures reduce the flow of heat from their units. You will find that your unit produces almost exactly the same amount of heat in cold weather in an ice fishing shack as it does inside a warm tent.



See your Coleman Dealer for Repair Parts

OTHER COLEMAN PRODUCTS



Best Fuel for your CATALYTIC-HEATER, COLEMAN STOVE AND LANTERN FUEL

Especially blended for top performance, and longer burning time in Coleman products. Burns cleanly—no soot, smoke, or odor. Contains rust and gum inhibitors which protect against clogging, rust, and corrosion. Available in quart and gallon sizes in reuseable, leakproof can with built-in pouring spout. Does not deteriorate in the can.

WORLD FAMOUS COLEMAN LANTERN

A Coleman lantern stretches days to give more hours of fun while hunting, fishing, camping, or vacationing. It's a life saver for use during emergencies. It keeps camps bright as day. Floods a 100-foot area with strong light, bright as a 300-watt electric bulb, and keeps burning until morning all on a few cents worth of fuel. It's windproof, stormproof, bugproof. Available in one- and two-mantle models.



WORLD FAMOUS COLEMAN CAMP STOVES



Join the fun! Select your favorite model and enjoy delicious food everywhere—and for less cost than restaurant meals. Coleman Camp Stoves fold like a suitcase, cook like a range, and cook meals for days on a tank of non-leaded fuel. Available in two- or three-burner models. Also available, Coleman Camp Ovens, lets you bake to perfection anywhere, and Toaster-Griddle-Broiler for stove-top artistry.

YOUR COLEMAN GUARANTEE

All new models of Coleman Outing Products are guaranteed against faulty material or workmanship.

Any part found defective because of imperfect material or workmanship will be replaced without charge when returned with transportation charges prepaid to the Coleman factory, or to the nearest Coleman authorized in-warranty service station.

This guarantee does not, of course, apply to generators on stoves and lanterns, nor to any product where it is evident that damage has developed from improper handling or operation.

NOTICE: The use of any attachment or device that is not expressly approved by The Coleman Company, Inc., to alter or affect the operation of the appliance automatically cancels all warranties, implied or expressed. Furthermore, the Company shall not be liable for any consequences that result from the use of equipment under these circumstances.

Coleman's warranty on repair parts is made null and void by their use on other than **Coleman** manufactured appliances. Coleman's warranty on

Coleman appliances is made null and void by use of other than genuine

Coleman repair parts. Always look for this **Coleman** label.

Made in United States of America

THE COLEMAN COMPANY, INC.

General Office and Factory: Wichita, Kansas, U. S. A. 67201

Canadian Office and Factory: Toronto, Canada

FORM NO. 1960A044 2-66 P.1. Litho in U.S.A.

*how to use
and enjoy
your new*

Coleman

**3500 BTU 512-700
CATALYTIC HEATER**



TO FILL:

Open canopy by pulling out on two spring clips at bottom edge. Swing canopy back out of the way.

Always use approved Stove and Lantern fuel or clean white gasoline. (We cannot be responsible if you use contaminated white gasoline.) Do not use automobile gasoline or fuels containing lubricating oil, tetraethyl lead or other additives.

REMOVE HEATER FROM CARTON

In order to make easier the removal of shipping pads, you may wish to unlatch the canopy of the heater. Assemble bail by snapping it into the two holes provided in the canopy.



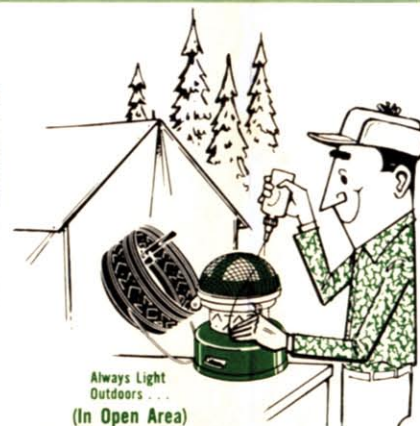
CAUTION: Leaded gasolines will ruin your heater in a few hours of burning. We cannot be responsible if you use contaminated white gasoline.

Remove filler cap from tank and fill with fuel. The tank holds approximately $\frac{1}{2}$ of a gallon of fuel. (You may wish to purchase a Coleman #0 funnel to make filling easier.) Replace filler cap and tighten firmly.

CAUTION: Never fill or refill tank near excessive heat or open flame. The tank can be refilled while heater is burning once original generation flame has gone out.

TO LIGHT:

Set heater outdoors. Remove snuffer cover from the head. Take starter squeeze bottle packed with the heater and clip the tip. Unscrew cap and fill with heater fuel. Replace bottle cap. Recap fuel can. Distribute one bottle full (approximately two ounces or $\frac{1}{4}$ cup) around the outer portion and over the top of the burner head. If the weather is extremely cold, use a second bottle full. (For utmost safety never leave any fuel in starter bottle.)



LIGHTING

With canopy open, light fuel on head with match or lighter. The heater will flare for two to three minutes. After flaring has subsided, close canopy. Maximum heat output should be reached in fifteen to twenty-five minutes. (The first time or two the heater is lit, it may not light as easily or reach full fire this quickly. There also may be some smell of hot paint. There should be only very slight odors of gasoline with this superior heater.) If no heat is felt after fifteen minutes, open canopy and repeat lighting procedure.

NOTE: Never try to repeat lighting procedure until initial generation flame has gone out.



TO EXTINGUISH:

Open canopy and place the snuffer cover **firmly** over head. This will minimize fumes during extinguishing process. Close canopy.



NOTE: Do not pack heater until cool — 20-30 minutes.



TO TRANSPORT:

Before traveling, you may empty excess fuel from heater tank, and burn dry to avoid possible spills. Or you may transport heater in an upright position.

NOTES OF INTEREST: This heater has been carefully designed to have good combustion air circulation over the head. Do not obstruct canopy with cooking utensils, mittens or other clothing If more radiant heat is desired, canopy can be swung back out of the way and the heater burned without this protection Oxygen is used for combustion so ventilation must be provided while the heater is in operation, particularly in small or tightly closed spaces. Under normal operation, no toxic fumes and only slight odors are produced . . .

The heat output of this Coleman catalytic heater is approximately 3,500 BTU per hour and a tank of fuel will provide 18 to 20 hours of consistent heat, and will use about $1\frac{1}{4}$ quarts overnight.