

***how to use  
and enjoy  
your new***



**3500 BTU 512A700  
CATALYTIC HEATER**

U.S. Patent Nos. 3,343,586 3,382,027, Patents Pending; Canadian Patent 1968.





**ALWAYS USE THE  
RIGHT KIND OF FUEL**

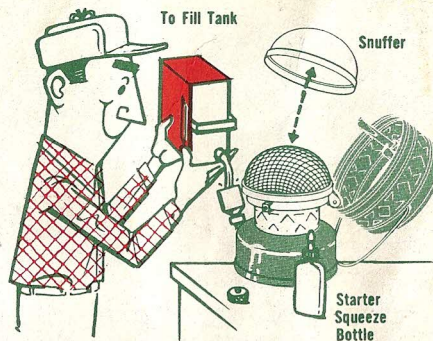
### TO FILL:

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

Always use Coleman Stove and Lantern Fuel. (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.

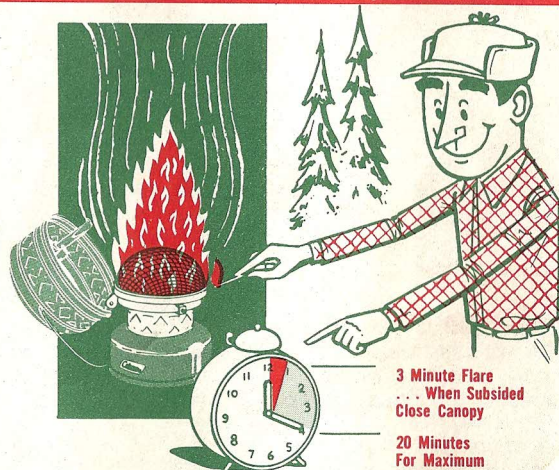
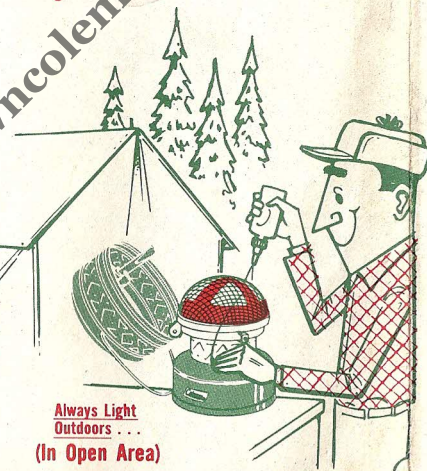
**We cannot be responsible if you use contaminated white gasoline.**

Remove filler cap from tank and fill with fuel. The tank holds approximately 1/2 of a gallon of fuel. (You may wish to purchase a Coleman 199B 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, away from any open flame or other heat source. Remove snuffer cover from the head. Take starter 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 three ounces or 3/8 cup) around the outer portion and over the top of the burner head. Lighting may be improved by turning the heater upside down until a small spot of fuel appears on the head just before applying the starter bottle of fuel. If the weather is extremely cold, use a second bottle full. (For utmost safety never leave any fuel in starter bottle.)



### LIGHTING ... Must be Done Outdoors

With canopy open, light fuel on head with match or lighter. The heater will flare for two or 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 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.



Heater Will Not  
Ignite Fumes



## TO TRANSPORT:

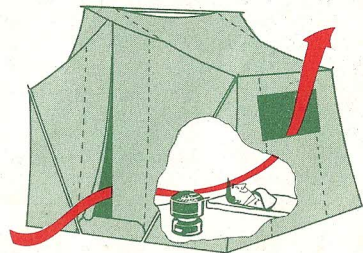
Before traveling, you may empty excess fuel from heater tank, and burn dry to avoid possible spills. Or you may transport heater in an upright position.

**NOTES OF INTEREST:** This heater has been carefully designed to have good combustion air circulation over the head. To insure safe and proper operation of the heater do not allow the canopy to come in contact with and to become obstructed by any cooking utensils, sleeping bags, clothing or any other object. Since any combustion process consumes oxygen and produces toxic fumes, use heater only with adequate ventilation, particularly in small or tightly closed spaces. The heat output of the 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 1-1/4 quarts overnight.



## CAUTION:

Keep heater unobstructed when in use and use only with adequate ventilation.



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



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

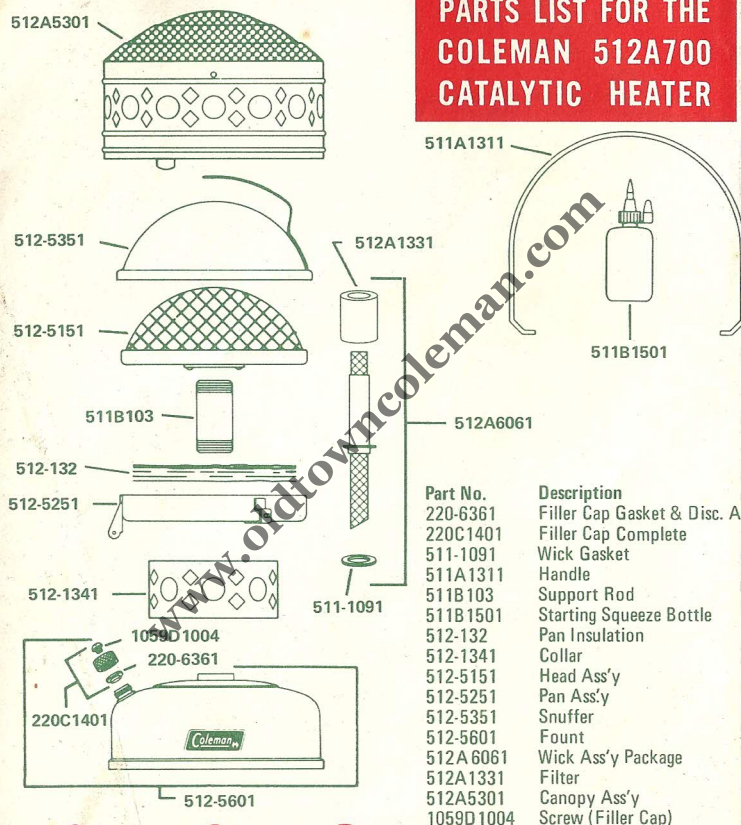
In a real scientific break-through, we have made available to you heat — safety — convenience.

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

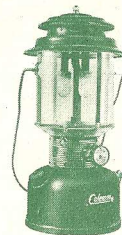


### Best Fuel for your COLEMAN CATALYTIC HEATERS, CAMP STOVES, and LANTERNS

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 re-useable, leakproof can with built-in pouring spout. Does not deteriorate in the can.

### WORLD-FAMOUS COLEMAN LANTERNS

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.

