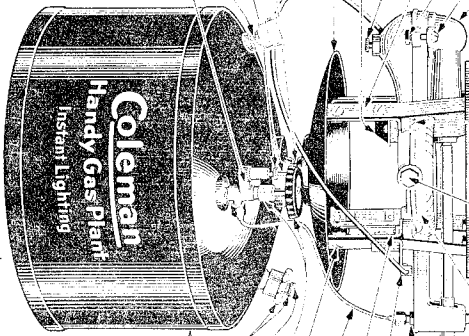


# REPAIR PARTS LIST

## COLEMAN HANDY GAS PLANTS

### NOS. 457, 457G AND 575

551-392	553-330	475-455	551-397	551-326	551-303
318-461					552-262
401-417					551-304
553-327					457-124
551-308					551-321
551-325					457-125
460-335					328-172
457-195					475-455
599-210					900-653
900-610					451-132
575-125					451-140
900-657					457-189



Order Number	By	Name of Part	Net Retail Price
1188620		Valve Stem Packing	\$0.03
308-238		Cleaning Needle and Holder	.09
319-481		R. H. Machine Screw (1/4"x1")	.03
325-217		Gas Tip Bushing (1/4")	.12
325-418		Gas Tip (Marked "4")	.15
328-172		Fuel Tube (1/2" Long)	.48
401-417		Machine Screw Nut	.02
451-132		Filler Plug Air Stem	.21
451-509		Filler Plug Complete	.81
451-522		Pump Leath	.09
457-124		Ball Bracket	1.50
457-125		Ball	.39
457-189		Tank Complete (457 and 457G)	8.25
460-325		Tank Complete (575)	6.50
475-455		Ball and Flange Assembled	1.65
551-240		R. H. Machine Screw (10-24x3/4")	1.03
551-304		Generator Valve Body and Fuel Nipple	.54
551-304		Set Screw	.12
551-309		Feed Wire Nipple	.16
551-321		Drain Plug	.12
551-321		Leg	1.48
551-322S		Mixing Chamber Gaskets and Screws	.75
551-323		Air Inake Adjuster	1.12
551-326		Burner Casting	2.25
551-332		Asbestos Gasket	.06
552-212		Generator Tube	.39
552-219		Generator Filler Coil	1.18
552-253		Generator Valve Stem (less Cleaning Needle and Holder)	.66
552-262		Chrome Alloy Generator (Gas Tip Marked "4")	2.40
553-327		Grate Bracket	1.18
553-330		Grate	.81
575-125		Air Gauge	1.35
599-210		Close Nipple, 3/8"	1.12
650-136		Bushing (3/8" to 1/2")	.18
900-118		Filler Plug Gasket "AX"	.06
900-610		Fuel Tip (Marked "AX")	1.15
900-653		Instant Gas Valve Safety Lock	1.12
900-653		Instant Gas Valve Stem Complete	.66
900-657		Instant Gas Valve Complete	1.95

"Prices Subject to Change Without Notice"

## Special Information

For your convenience we recommend that you always keep an extra generator ready for installation on your Handy Gas Plant, just as you always carry a spare tire on your automobile—for emergency use. Thus you may insure continuous generator service.

## Exceptionally Easy to Change

Merely loosen one set screw, remove the carbonized generator and install the extra generator in its place.

This carbonized generator can then be cleaned or taken to your Coleman dealer, at your convenience. He is equipped to clean and rebuild these generators. There will be only a small charge for this service.

The use of special chrome stainless steel adds long life to the generator and it will not be necessary to have it cleaned very often.

See "NOTE" under "Filling" directions for information concerning the kind of gasoline to use to insure the longest possible period of service from your generator.

"WARNING" For longest service — For best service—Use only Genuine Coleman Parts and Accessories on this Coleman Appliance.

Each individual part is designed to exact precision to work perfectly with all other parts; therefore, only Genuine Coleman Parts and Accessories can be trusted to give satisfactory service.

The use of other than Genuine Coleman Parts and Accessories invalidates the Coleman Guarantee.

# DIRECTIONS

for the Operation of

# Coleman

## HANDY GAS PLANTS

### Nos. 457, 457G and 575

Always use a good grade of fresh clean gasoline. See "Note" under "Filling" directions.



Made in United States of America

## The Coleman Company, Inc.

General Offices and Factory: WICHITA 1, KANSAS, U.S.A.  
 Canadian Office and Factory: Toronto, Canada  
 Sales Offices: Chicago 11; Philadelphia 8; Los Angeles 54; Honolulu, Hawaii.

F780D

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PRINTED IN U.S.A.

# SAVE THIS SHEET FOR FUTURE REFERENCE

## Directions for Operating Coleman Handy Gas Plants Nos. 457, 457G and 575

1. Place the generator into the yoke on Burner. Be sure to get the generator seated into the fuel wire connection, then tighten the set screw on top of yoke.

### 2. FILLING

Caution: Do not fill Tank near an open flame. Always be careful not to spill the fuel.

- See that Instant-Gas Valve and Generator Valve are closed.
- Remove Filler Plug and fill Tank. Use only fresh, clean, untreated gasoline.
- Replace and tighten Filler Plug. Do not use wrench.

**NOTE:** Always use a good grade of fresh, clean, water-white gasoline. Do not use any of the doped, anti-knock or Ethyl gasolines in this appliance. Ask your dealer or write to your NEAREST Coleman Branch for the latest Approved Fuel List, which lists fuels suitable for use in Coleman Gasoline Pressure Appliances and are obtainable in your state.

### 3. PUMPING

Caution: Before starting to pump, be sure the Instant-Gas Valve and Generator Valve are closed.

- Open Air Stem two full turns to left and place nose of Pump in center of Air Stem on Filler Plug.
- Pump 30 to 40 strokes of air into Tank.
- Close Air Stem tightly with fingers.

### 4. LIGHTING

- Check to see that Tank contains sufficient fuel and air. Also that Instant-Gas Valve and Generator Valve are Closed.
- Open Instant-Gas Valve  $\frac{1}{4}$  turn to the left. (Until Safety Lock stops the valve wheel.) Next, open Generator Valve quickly and light Burner. After burning one minute, release safety lock by pressing down and open Instant-Gas Valve as FAR AS POSSIBLE (about three revolutions).

Note: If flame is weak, pump additional pressure into Tank. Best results will be obtained if the Generator Valve is not opened wide until the Burner has been burning several minutes.

- A yellowish, smoky flame usually denotes liquid gasoline in the burner manifold. If through improper operation or lighting, the burner should become flooded, close Instant-Gas and Generator Valves, and when flame on burner is out place a receptacle under the Burner Drain (located underneath at rear of Burner) and unscrew Drain Plug. Safely dispose of liquid gasoline drained from Burner. Then re-light burner as directed in paragraphs (a) and (b) of this section.
- The flame is regulated by the use of the Generator Valve.

### Special Lighting Information

This Coleman Handy Gas Plant is built to accommodate the largest range of unusual conditions of any stove on the market at the present time. However, when used in exceptionally cold temperature we recommend the following method of lighting:

Note the small cup built in the front of the burner (located between the burner cap and the generator nipple). When the temperature is unusually cold it will be best to pour a small amount of alcohol or gasoline into this cup and allow it to burn several seconds before attempting to light the burner on the Instant-Gas principle. The reason for doing this is that when lighting by the Instant-Gas method in exceptionally cold temperature the mixture is too lean and the flame will have a tendency to lift off the burner and the burner may not light, but if the few seconds of preheating is used the burner becomes warm enough to compensate for the cold temperature.

This method need only be used in extremely low temperature.

You will also find on lighting the stove when in a semi-hot condition (when stove is relighted before becoming thoroughly cold) that the flame will be yellow when first lighted; however it will clear in a few seconds and burn blue.

### 5. TO TURN BURNER OFF

- When you are through using your Burner, close the Instant-Gas Valve by turning wheel to right until closed, then immediately open it one-fourth turn to left, to the Safety Lock. Allow the Burner to burn on the Instant-Gas mixture for about one minute. Now close Instant-Gas Valve by turning wheel to the right and when flame on the Burner is nearly out, close the Generator Valve firmly to the right.

## Suggestions for Care of Coleman Handy Gas Plants

### If Stove Burns With Yellow Flame

- Cause: Enlarged opening in Gas Tip.  
Remedy: Put in new Gas Tip.  
Cause: Cleaning Needle on end of Generator Valve Stem Bent.  
Remedy: Remove Valve Stem and Straighten needle or replace with new needle.

Cause: Raw gasoline in burner manifold.  
Remedy: Drain burner manifold as per Section "C" of "Lighting" directions.

### If Gasoline Leaks Develop

At Instant-Gas Valve or Generator Valve—tighten packnut just enough to stop leak. DO NOT TIGHTEN WHEN STOVE IS BURNING.  
At Gas Tip—tighten Gas Tip Bushing.

### If Pump Does Not Work

- Cause: Air Stem not open.  
Remedy: See that filler plug air stem is unscrewed two full turns to left.  
Cause: Pump leather may be dry.  
Remedy: Remove pump plunger and soften leather with a few drops of oil.  
Cause: Leather worn out.  
Remedy: Put on new leather.  
See "Pumping" directions.

### If Burner Does Not Light Or Flame Is Weak

- Cause: No fuel or lack of air pressure.  
Remedy: See that tank contains clean gasoline, then pump up to operating pressure.  
Cause: Dirty Burner Cap.  
Remedy: Remove Generator and clean slots in burner casting with a piece of thin sheet metal. Replace Generator.  
Cause: Gas tip stopped up.  
Remedy: Close Instant-Gas valve, then open and close Generator valve several times, thus working needle through gap tip orifice to remove obstruction.

- Cause: Generator tube may be stopped up with dirt or carbon.  
Remedy: Disassemble generator and clean, or take to your nearest Coleman Dealer who is equipped to service the generator for a reasonable charge.

If water or dirt gets mixed with gasoline, remove Filler Plug, releasing air pressure. Remove Pressure Gauge and pour all old gasoline from Tank. After all old gasoline has been removed from Tank, rinse Tank out with clean fuel. Repeat this operation until you are sure Tank is clean. Replace the Pressure Gauge, then fill and pump to correct operating pressure.

## To Get Good Service From Your

### Coleman Burner

Always use a good grade of fresh, clean, untreated gasoline. Clean the fuel tank occasionally—at least once every three months.