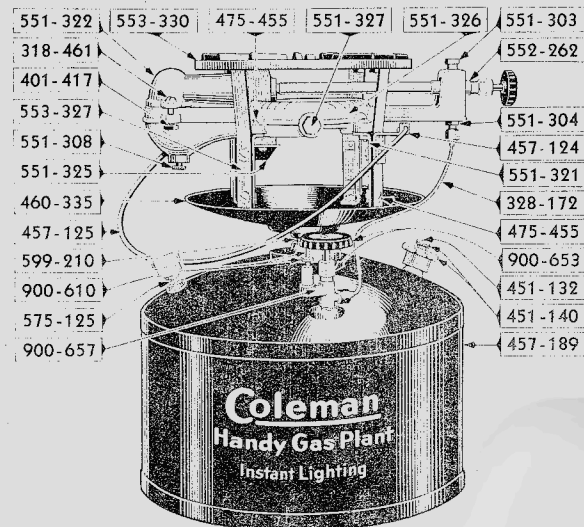


# REPAIR PARTS LIST

## COLEMAN HANDY GAS PLANTS

NOS. 457, 457G AND 575



Order By Number	Name of Part	Net Retail Price
118B620	Valve Stem Packing.....	\$0.03
308-238	Cleaning Needle and Holder.....	.09
318-461	R. H. Machine Screw (1/4"x1").....	.03
325-217	Gas Tip Bushing.....	.12
325-418	Gas Tip (Marked "4").....	.15
328-172	Fuel Tube (12" Long).....	.48
401-417	Machine Screw Nut.....	.03
451-132	Filler Plug Air Stem.....	.21
451-140	Filler Plug Complete.....	.81
451-509	Pump Leather.....	.09
451-522	Jumbo Pump.....	1.50
457-124	Bail Bracket.....	.18
457-125	Bail.....	.39
457-189	Tank Complete (457 and 457G).....	8.25
458-189	Tank Complete (575).....	6.60
460-335	Baffle and Flange Assembled.....	1.65
475-455	R. H. Machine Screw (10-24x3/8").....	.03
551-240	Generator Valve Body and Fuel Nipple.....	.54
551-303	Set Screw.....	.12
551-304	Feed Wire Nipple.....	.18
551-308	Drain Plug.....	.12
551-321	Leg.....	.18
551-322S	Mixing Chamber Gaskets and Screws.....	.75
551-325	Air Intake Adjuster.....	.12
551-326	Burner Casting.....	2.25
551-332	Asbestos Gasket.....	.06
552-212	Generator Tube.....	.99
552-219	Generator Filler Coil.....	.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.....	.18
553-330	Grate.....	.81
575-125	Air Gauge.....	1.35
599-210	Close Nipple, 3/8".....	.12
599-250	Bushing (3/8" to 1/2").....	.18
650-136	Filler Plug Gasket.....	.06
900-118	Fuel Tip (Marked "AX").....	.15
900-610	Instant-Gas Valve Safety Lock.....	.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.

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# 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.

- (a) See that Instant-Gas Valve and Generator Valve are closed.
- (b) Remove Filler Plug and fill Tank. Use only fresh, clean, untreated gasoline.
- (c) 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.

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

### 4. LIGHTING

- (a) Check to see that Tank contains sufficient fuel and air. Also that Instant-Gas Valve and Generator Valve are Closed.
- (b) 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.

(c) 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 relight burner as directed in paragraphs (a) and (b) of this section.

(d) 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

- (a) 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.

### 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.

## 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.