

The New Instant Gas Stove

The New Coleman Instant-Gas Stove, brings into your home just what its name implies—Instant Gas for Cooking! It operates exactly like a regular city gas stove—open the Instant-Gas valve and generator valve, light the burner, and instantly you have gas heat for any kind of cooking you want to do. There is no priming, no generating, no "starters." It is so amazingly simple that a child can operate it.

A few years ago the Coleman Company first introduced the instant lighting principle for starters and preheaters with which Coleman stoves are equipped and which quickly generated the stoves to full cooking heat. This original invention was a wonderful step forward in convenience over the old type, using torches, etc.

In the new Coleman Stoves, this same principle has been improved to such an extent that all starters and preheaters are eliminated. There are fewer operating parts which means simpler and easier operating—quicker heat—more satisfactory service.

Due to the stove having only two operating parts, namely the instant-gas valve and the generator, it becomes very much safer than the old type of gas pressure stove. In the design of the instant-gas valve the last addition for safety needed to give complete safety was added. The instant gas valve is so equipped that it can only be turned one-fourth the way on and in this position it would lose its air pressure without the loss of very much fuel.

Consider this astounding fact that with the new instant-gas stove using regular motor gasoline as fuel you obtain the same lighting ability as with natural gas. Also that the cost of operating is very much below that of natural gas. Gasoline at the present time is at the lowest price in history, therefore, gives you the lowest priced fuel on the market. Gasoline under pressure gives a very much hotter fire than natural gas and due to this new instant-gas stove being operated on low pressure, it does not require much pumping and burns without objectional noise.

Other new and outstanding features that you will find on this stove are as follows: The Life-Time Guaranteed Everdur Fuel Tank which won't rust out and is not affected by chemicals contained in fuel; the new simplified and improved generator that is easy to remove and easy to clean—you can do it yourself—no need to send to your dealer or to factory for cleaning and repair. Clean heat without soot or smoke—a clear blue flame; speedy heat which can be instantly regulated for slow or fast cooking as you desire.

This new Coleman Instant-Gas Stove represents the greatest achievement in the gasoline appliance industry—is the result of more than 30 years' experimenting, developing and making gasoline lamps, lanterns, heaters and stoves by the Coleman Lamp and Stove Company. Like all Coleman appliances, it makes and burns its own gas from any good grade of clean, fresh, untreated gasoline. In its operation there is use of a new principle of forming instant gas which makes it easier to use, safer to use, and more convenient. In its manufacture you will find the same high standard of Coleman quality which insures your getting the best there is on the market at a price within the reach of all.

No. 652A 10-Gallon Tank, Pump and Wire Assembly for All Coleman Instant-Gas Ranges and Stoves

No.		Shipping Weight	Price
652A	10-Gallon Tank No. 652, Pump No. 628, and Wire Assembly No. 65W	25 lbs.	\$15.90
652B	10-Gallon Tank No. 652, and Pump No. 628	24 lbs.	13.50
652	10-Gallon Tank	21 lbs.	10.80
628	Pump	3 lbs.	2.70
65W	Wire Assembly	3 lbs.	2.40
	No. 65W Wire Assembly Consists of the following items except No. 559-117:		
599-117	Filler Plug Gasket (For Special Filler Plug—2 for		.09
599-140	Special Filler Plug Complete (With Hollow Wire Connection)		1.05
599-172	Fuel Tube (6' Long, Special Filler Plug to Wall Valve		.96
*599-173	Fuel Tube (10' Long, Wall Valve to 10-Gallon Tank)		1.44
599-657	Wall Valve		.75
	*If Longer Fuel Tube is needed between Wall Valve and 10-Gallon Tank, please specify length.		

High-Backs for Stove Models Nos. 904, 905, 908, 909, 910

No.	Model	Cooking Top Burners	Shipping Weight	Price
J3	904	3	17	\$4.50
J3	905	3	17	4.50
V3	908	3	20½	7.50
J4	909	4	21	6.90
B3	910	3	16	4.50

High-Back Parts for Stove Models 904, 905, 908, 909, 910

SHELF SUPPORT			
Model	No. (Right)	No. (Left)	Price
904	324-442	324-443	\$.75
905	324-442	324-443	.75
908	361-442	361-443	.75
909	324-442	324-443	.75
910	330-442	330-443	.75

HIGH SHELF TRIM			
Model	No. (Right)	No. (Left)	Price
904	324-444	324-445	\$.75
905	324-444	324-445	.75
908	361-444	361-445	.75
909	324-444	324-445	.75
910	324-444	324-445	.75

HIGH SHELF			
Model	No.		Price
904	324-441		\$1.50
905	324-441		1.50
908	361-441		2.10
909	329-441		2.25
910	330-441		1.35

SPLASHER			
Model	No.		Price
904	324-440		\$2.40
905	324-440		2.40
908	314-440		6.00
909	329-440		3.60
910	324-440		2.40

DIRECTIONS

for the Operation of

Coleman INSTANT-GAS STOVES

Model Nos.
904, 905, 906, 907, 908, 909, 910



Always use a good grade of fresh, clean, untreated gasoline.

Ask your dealer for a list of gasolines sold in your state which have been tested and found satisfactory for use in Pressure Gas Lamps, Lanterns, Stoves, Irons, etc., or write direct to the United Laboratories, 240 N. St. Francis Street, Wichita, Kansas.

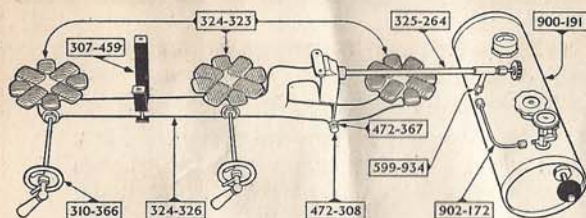


Made in U. S. A. By

The Coleman Lamp and Stove Company

General Offices: WICHITA, KANSAS

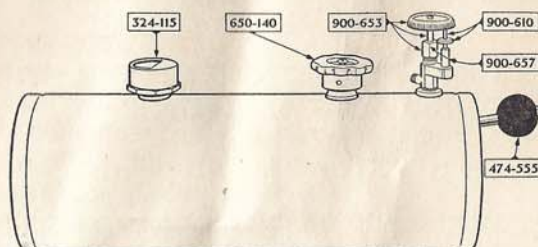
Branches: CHICAGO, PHILADELPHIA, LOS ANGELES
Factories: WICHITA, CHICAGO, and TORONTO, CANADA



MASTER BURNER

For Stove Models Nos. 904, 905, 907, 910

Parts No.	Name of Part	Net Retail Price
118B620	Valve Stem Packing	.03
216-538	Check Valve	.15
305-444	Grate (Open Type)	.60
307-459	Burner Manifold Bracket (2 Piece)	.12
310-233	Generator Saddle, Clamp, Bolt and Nut (13/16" High)	.12
310-360	Auxiliary Valve Core Complete	.30
310-366	Auxiliary Valve Burner Valve Stem Complete (With Disc and Handle)	.75
310-410	Tank Bracket	.15
316-345	Iron Pipe Nipple (1/2" x 5 3/4" Long)	.18
318-233	Generator Saddle, Clamp, Bolt and Nut (7/32" High) (For Oven Generator)	.12
318-342	Master Sub-flame Burner Nipple	.30
318-343	Flange Coupling	.12
318-344	Flange Packing	.06
318-368	Master Sub-flame Burner and Drain Plug	1.05
318-369	Auxiliary Sub-flame Burner and Nipple	.45
318-376	Oven Burner Pilot Lighter	.90
324-115	Combination Fuel and Air Gauge	1.80
324-323	Burner Cap	1.20
324-326	Burner Manifold (Casting Only)	2.70
324-454	Grate (No Burn Type)	1.20
325-264	Generator (Gas Tip Marked "4")	1.80
328-326	Burner Manifold (Casting Only)	2.70
328-327	Hood for Oven Burner Pilot Lighter	.09
328-380	Oven Burner Complete (With Drain Plug, Pilot Lighter, Hood, Bolts	



Tank Complete 900-191



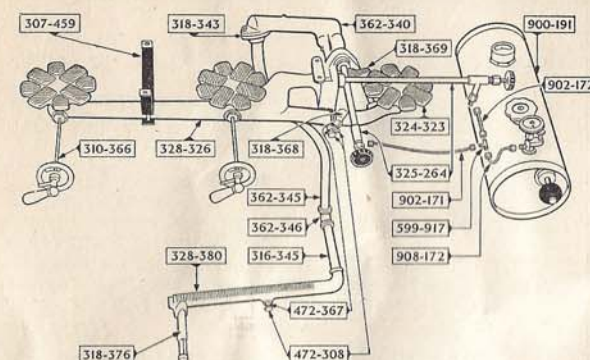
TANK AND PUMP

For Stove Model Nos. 904, 905, 906, 907, 908, 909 and 910

Parts No.	Name of Part	Net Retail Price
362-340	Mixing Chamber	1.50
362-345	Oven Burner Drop Supply Tube (7/8"-27)	.90
362-346	Iron Pipe Ell with Lug (90° Outlet with 1/2" I. P. S. Thread and 7/8"-No. 27)	.36
407-644	Tip Protector and Screen	.15
472-308	Drain Plug Stem	.09
472-367	Drain Plug Complete	.24
474-109	Air Stem Spring	.03
474-509	Pump Leather	2 for .09
474-515	Air Stem	.30

325-264 GENERATOR

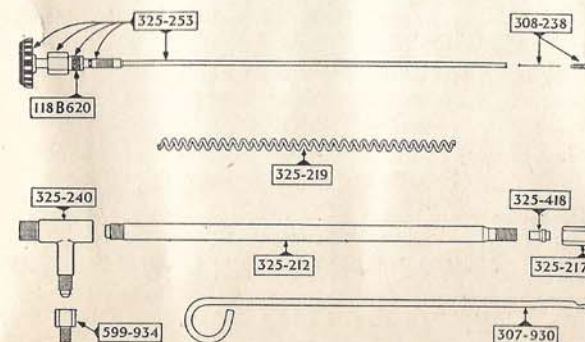
Parts No.	Name of Part	Net Retail Price
118B620	Valve Stem Packing	.03
307-930	Carbon Scraper	.15
308-238	Cleaning Needle & Holder	2 for .09
325-212	Generator Tube	.48
325-217	Gas Tip Bushing	.12
325-219	Generator Filler Coil	.12
325-240	Generator Valve Body & Fuel Nipple	.48
325-253	Generator Valve Stem (Less Cleaning Needle & Holder)	.48
325-264	Generator (Gas Tip Marked "4")	1.80
325-418	Gas Tip (Marked "4")	.12
599-934	Reducing Coupling-Nipple (3/8" S.A.E. Female to Hollow Wire	



MASTER AND OVEN BURNER

For Stove Model 908

Parts No.	Name of Part	Net Retail Price
474-555	Pump Plunger Complete (Less Air Stem)	1.20
599-917	Hollow Wire Tee	.18
605-950	Wrench	.15
650-136	Filler Plug Gasket	2 for .09
650-140	Filler Plug Complete	.75
900-118	Fuel Tip (Marked "AX")	.12
900-610	Instant-Gas Valve Safety Lock	.09
900-653	Instant-Gas Valve Stem Complete	.60
900-657	Instant-Gas Valve Complete	1.80
902-171	Fuel Tube (6 1/2" Long)	.36
902-172	Fuel Tube (9 1/2" Long)	.36
908-172	Fuel Tube (2 1/2" Long)	.36



Carefully Follow These Directions

To Operate Stove Model Nos. 904, 905, 906, 907, 909, 910

If you will do this, you will avoid difficulties that result from incorrect operation and which are due to no fault of the stove

1. To Fill

CAUTION: Do Not fill stove near a lighted lamp or open flame. Be careful not to spill fuel.

1. See that Instant-Gas Valve and Main Generator Valve are closed.
2. Remove Filler Plug and fill Tank. Use fresh, clean, untreated gasoline.
3. Replace and tighten Filler Plug. Do Not use wrench.

2. To Pump

1. CAUTION: Before starting to pump, be sure Instant-Gas and Main Generator Valves are closed.
2. Now open air check Valve (located inside pump barrel) by turning Pump Handle two full turns to left.
3. Hold palm of hand over hole in Pump Handle on end of Pump Plunger. Pump until hand on gauge points to 25 pounds pressure.
4. Turn Pump Handle to right until air Check Valve is closed. Remove hand from over hole in end of Pump Handle so as to permit the escape of air remaining in Pump Barrel. Then push Pump Plunger into barrel as far as possible.



5. To Turn Stove Out

1. Close all Auxiliary Valves to right.
2. Close Instant-Gas Valve on Tank firmly to right and when flame is nearly out, close Main Generator Valve. For correct operation of this stove, it is necessary to close the Instant-Gas Valve first then the Main Generator Valve. This puts your stove in condition for correct lighting the next time.

Directions for Operating Stove Model No. 908 With Low Built-in Oven

6. To Fill

Be sure Instant-Gas Valve, Main and Oven Generator Valves are closed, then follow instructions in Paragraph 1, Sections 2 and 3.

7. To Pump

CAUTION: Before starting to pump, be sure Instant-Gas Valve, Main and Oven Generator Valves are closed, then follow instructions in Paragraph 2, Sections 2, 3 and 4.

8. To Light Master Burner

Follow instructions in Paragraph 3.

9. To Light Oven Burner, when Master Burner is not in use

1. Light Master Burner as instructed in Paragraph 3.
2. After Master Burner is lighted allow it to burn

Sixth—Unscrew Gas Tip Bushing and remove Gas Tip from Generator Tube.

Seventh—Remove Generator Filler Coil from inside of Generator Tube.

Eighth—Use the Carbon Scraper, furnished with stove, to clean the carbon from inside of Generator Tube. Rinse the Generator Tube in clean gasoline.

Ninth—Scrape the carbon from Valve Stem and Generator Coil. If Coil is too badly carbonized it will be best to destroy it and use a new one.

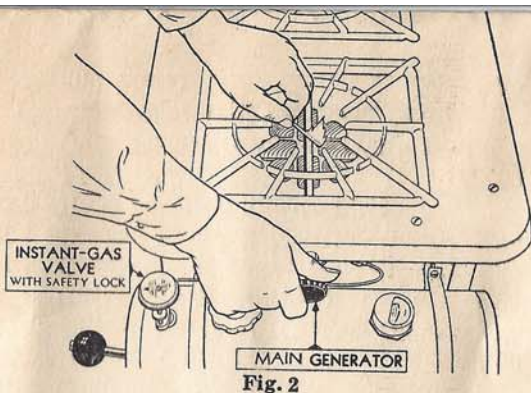
Tenth—Put soap on the threads of the Generator Tube and replace in Valve Body. Be sure to get this joint good and tight.

Eleventh—Use a new Gas Tip, screw Gas Tip Bushing on Generator Tube. Be sure to get this joint good and tight.

Twelfth—Put new Cleaning Needle and Holder in Valve Stem, and reassemble the Valve Stem in Valve Body. Be careful not to damage Needle when inserting into Generator. Make sure the Pack Nut is tight enough to make the packing snug in Valve Body.

How to Clean Tank

The tank used on this stove should be cleaned at least every three months. This is done to remove all foreign substances such as dirt and water which sometimes get mixed with the gasoline. The tank can be cleaned by the use of a Coleman Suction Pump, which your dealer can supply, or



3. To Light Master Burner Only See Figs. 1 and 2

1. Check to see that Tank contains sufficient fuel and air. Also that Instant-Gas Valve and Main Generator Valves are CLOSED.
2. Open Instant-Gas Valve $\frac{1}{4}$ Turn to Left, (Until Safety Catch or Lock, catches and locks in Valve Wheel). Next open Main Generator Valve and light Main or Master Burner. After burning one minute hold down Safety Catch or Lock and open Instant-Gas Valve as FAR AS POSSIBLE.

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

3. A yellowish, smoky flame usually denotes liquid gasoline in Burner Manifold. If through improper lighting or operation, Burner Manifold should obtain some liquid gasoline, close Instant-Gas Valve and Main Generator Valve, then when flame is out, open drain plug in bottom of Burner Manifold and drain liquid into a receptacle and throw away. Now relight stove as directed in Sections 1 and 2 of this Paragraph.

4. To Light Auxiliary Burners

1. Open Main Generator Valve wide enough so that there is an extra supply of gas to produce a strong flame on Master Burner.
2. To light any or all of the Auxiliary Burners turn Auxiliary Valve Lever of burner desired to left and light burner just like city gas.

NOTE: When either the Master Burner or Oven Burner is going, the other can be turned on and lighted without pre-heating. Master Burner should always be lighted first even though it is not to be used. This is to insure perfect heating of the Oven Generator.

10. To Light Auxiliary Burners

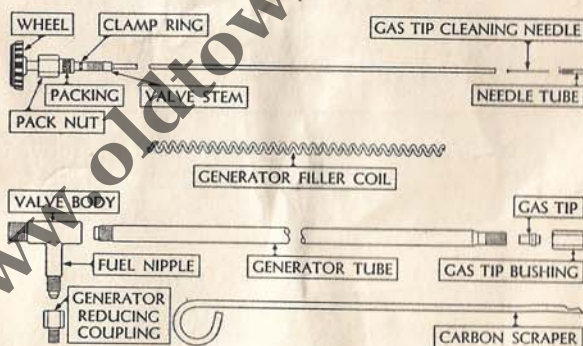
Follow instructions in Paragraph 4.

11. To Turn Out Stove

Close Instant-Gas Valve on Tank and when flame is nearly out close Main and Oven Generator Valves. For correct operation of this stove, it is necessary to close the Instant-Gas Valve first then the Main and Oven Generator Valves. This puts your stove in condition for correct lighting the next time.

Service Chart for Stove Generator

This Generator is so constructed that it can be easily taken apart (See cut) and overhauled and cleaned. Follow the instructions listed below and no trouble will be encountered.



- First**—Close Instant-Gas Valve on Tank.
Second—Unscrew Fuel Tube Jamb Nut from Generator.
Third—Loosen the Bolt and Nut which hold the Generator Clamp and remove the Generator from Stove.
Fourth—Place Generator Valve Body in a vise and unscrew the Pack Nut and Valve Stem. Remove these from Generator.
Fifth—Unscrew the Generator Tube from Valve Body.

the pumping and operating of the stove. When the stove is stored away and is not to be used for some time, remove the fuel from the tank. Any fuel remaining in the tank when the stove is not in use becomes sour and heavy with gum. This would cause unnecessary generator trouble.

If Stove Burns With Yellow Flame:

- Cause:** Generator not fastened to frame.
Remedy: Fasten Generator to frame with Generator Clamp.
Cause: Soot or carbon in mixing chamber.
Remedy: Scrape inside of mixing chamber and use pump to force dirt out.
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.
Cause: Gasoline in burner Manifold.
Remedy: Close Instant Gas Valve and Generator Valve or Valves, and when flame is out open drain plug in Manifold. When drained, close and relight as per paragraph No. 3.

If Gasoline Leaks:

- At Instant-Gas Valve, Generator Valve or Valves—tighten pack nut just enough to stop leak.
 At Gas Tip—tighten Gas Tip Bushing.

If Pump Does Not Work:

- Cause:** Air cannot be forced into Tank.
Remedy: Be sure to push plunger into pump barrel as far as possible, then turn handle two full turns to left to open air valve. Pump pressure into tank, turn handle back to right and close valve snugly with fingers.
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.
 If water or dirt gets mixed with gasoline remove Filler Plug releasing air pressure. Use the Coleman Siphon, Suction Pump or Tank Cleaning Tube to remove dirty gasoline. After all the gasoline containing water or dirt has been removed from Tank, fill Tank with clean fuel, replace Filler Plug, pump up to required amount of air pressure for operation and proceed with lighting of stove as per directions.
IMPORTANT—Use a good grade of fresh, clean, untreated gasoline. Use only fresh gasoline and strain it into tank through a Coleman or similar funnel.

If Stove 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 25 lbs. pressure.
Cause: Dirty Burner Caps.
Remedy: Draw a piece of tin or thin knife blade through slots in caps.
Cause: Gas Tip stopped up.
Remedy: Close Instant Gas Valve, then open and close Generator Valve several times, thus working Needle through Gas Tip Orifice to remove obstruction.
Cause: Generator Tube may be stopped up with dirt or carbon.
Remedy: Disassemble Generator and clean as per service chart for stove Generator.