

# INSTALLATION



## GENERAL INSTRUCTIONS

This appliance is designed for storage of foods and storage of frozen foods and making ice.

The refrigerators outlined hereon have been design certified under ANS Z21.19b - 1982. Refrigerators by the American Gas Association for installation in a mobile home or recreational vehicle and are approved by the Canadian Gas Association. The certifications are, however, contingent on the installation being made in accordance with the following instructions as applicable.

### The installation must in the USA conform with:

1. National Fuel Gas Code ANSI Z223.1-1980
2. Federal Standard for Mobile Home Construction and Safety, Title 24, HUD (Part 280)
3. Recreational Vehicles ANSI/NFPA No. 501 C-1977

The unit must be electrically grounded in accordance with the National Electric Code ANSI/NFPA No. 70-1981 when installed if an external alternating current electrical source is utilized.

4. Any applicable local code

### In Canada

1. Standard CGA 10.1/CSA Z240.4, gas equipped mobile housing and recreational vehicles
2. Standard CSA Z240.6.1 electrical requirements for mobile housing
3. Standard CSA Z240.6.2/C22.2 No 148 electrical requirements for recreational vehicles.

## Ventilation

The installation shall be made in such a manner as to separate the combustion system from the living space of the mobile home or recreational vehicle. Openings for air supply or for venting of combustion products shall have a minimum dimension of not less than 1/4 inch.

Proper installation requires one lower fresh air intake and one upper exhaust vent. The ventilation kits shown in this instruction booklet have been certified for use with the refrigerator models listed in the tables. **Certified vent system kits, see separate list.** The ventilation kits must be installed and used without modification. An opening towards the outside at floor level in the refrigerator compartment must be provided for ventilation of heavier-than-air fuel gases. The lower vent of the recommended kits is provided with proper size openings. The flow of combustion and ventilating air must not be obstructed.

For ready serviceability of the burner and control manifold parts of the refrigerator the lower side vent is fitted with a liftout panel which provides an adequate access opening.

## GAS CONNECTION

Hook-up to the gas supply line is accomplished at the manual gas valve, which is furnished with a 3/8" SAE (UNF 5/8"-18) male flare connection. All completed connections should be checked for leaks with soapy water.

The gas supply system must incorporate a pressure regulator to maintain a supply pressure of not more than 11 inches water gage.

When testing the gas supply system at test pressures in excess of 1/2 psig the refrigerator and its individual shutoff valve must be disconnected from the gas supply piping system.

When testing the gas supply system at pressures less or equal 1/2 psig the appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve.

In case detailed instructions on the installation and connection to the gas supply are required, contact your dealer or distributor.

## ELECTRICAL CONNECTION

### 120 Volts A C

The refrigerator is equipped with a three prong (grounded) plug for protection against shock hazards and should be plugged directly into a properly grounded three prong receptacle. Do not cut or remove the grounding prong from this plug. The cord should be routed to avoid coming in contact with the burner cover, flue cover or other hot components.

### Refrigerator models requiring 12 V DC supply

On units provided with interior light or automatic reigniter or both there is one additional terminal block marked "12 V". On "Tri-Power" units with interior light or automatic reigniter or both there are two additional blocks.

The refrigerator must be connected to the battery circuit with two wires of adequate capacity to avoid voltage drop. The wire gage should be chosen with consideration to the wire length in accordance with table below. The 12 V circuit must be fused. Maximum circuit fuse size: 15 Amps. for the models RM 361 and RM 461, 20 Amps. for RM 661, 30 Amps. for RM 761 and 40 Amps. for RM 1301.

Do not use the body or chassis of the vehicle as a substitute for either of the two conductors. No other electrical equipment or lighting should be connected to the refrigerator circuit. The refrigerator will draw from 10 to 23 Amps at 12 Volt depending on model.

The interior light and the reigniter must be connected to a separate battery circuit and will draw about 1 Amp.

Maximum two conductor wire length in feet

AWG	RM361 125W	RM461 135W	RM661 175W	RM761 250W	RM 1301 275W	Interior light only 10W
14	10	9	7	5	4	17
12	17	15	12	8	7	35
10	27	25	19	13	12	55
8	43	40	31	22	19	85
6	69	64	49	34	31	135
4	110	102	79	55	50	220

## CAUTION

Do not operate the refrigerator on 12 Volt when the vehicle is parked. You will run out of battery in a rather short time.

If possible the installation of a 12 Volt operated refrigerator should be completed with a relay mounted either in the car or in the recreational vehicle (see Fig below). This relay will automatically cut out the refrigerator when the car motor is stopped.

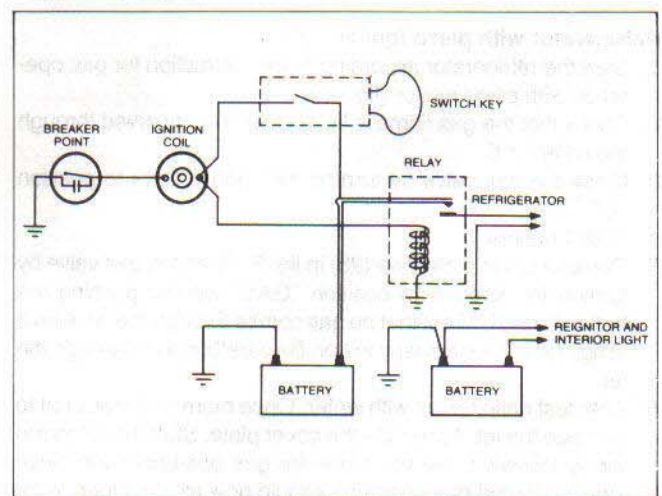


Fig. 7