

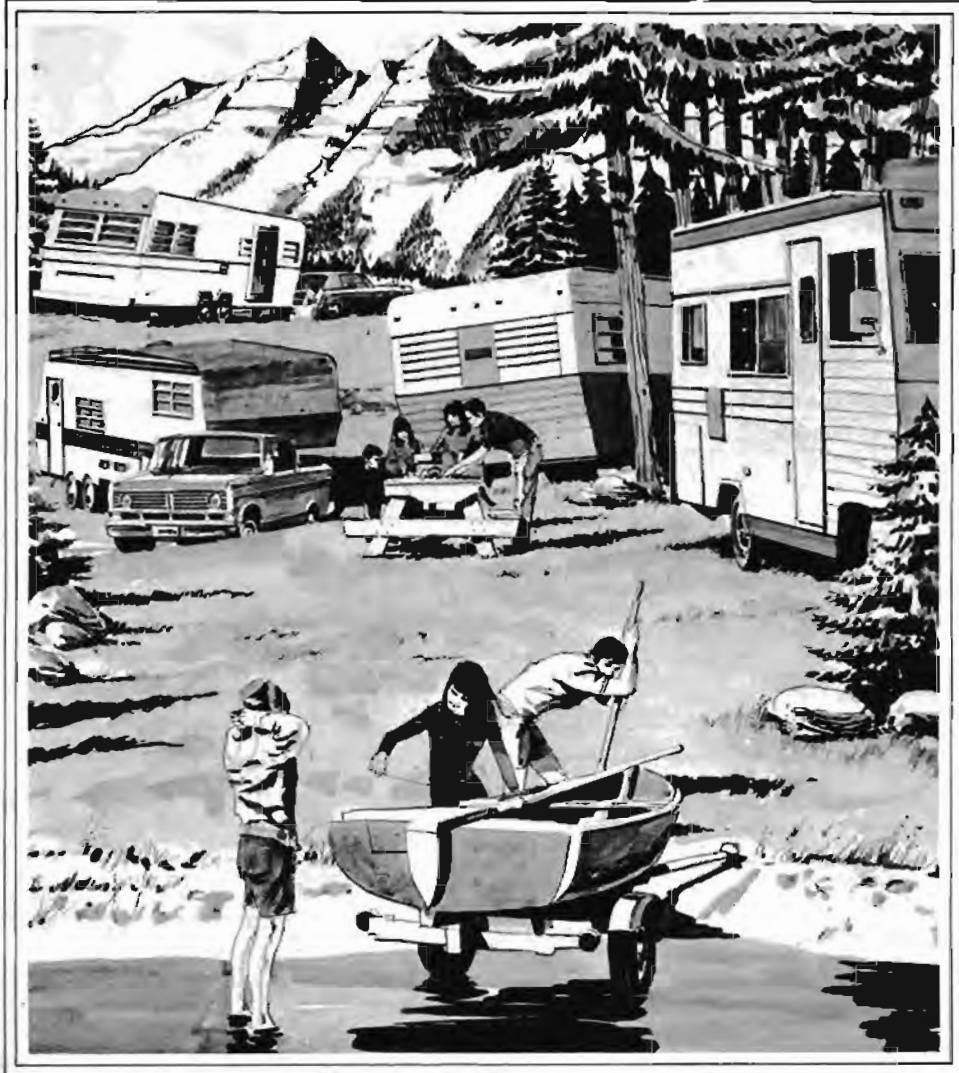
RV

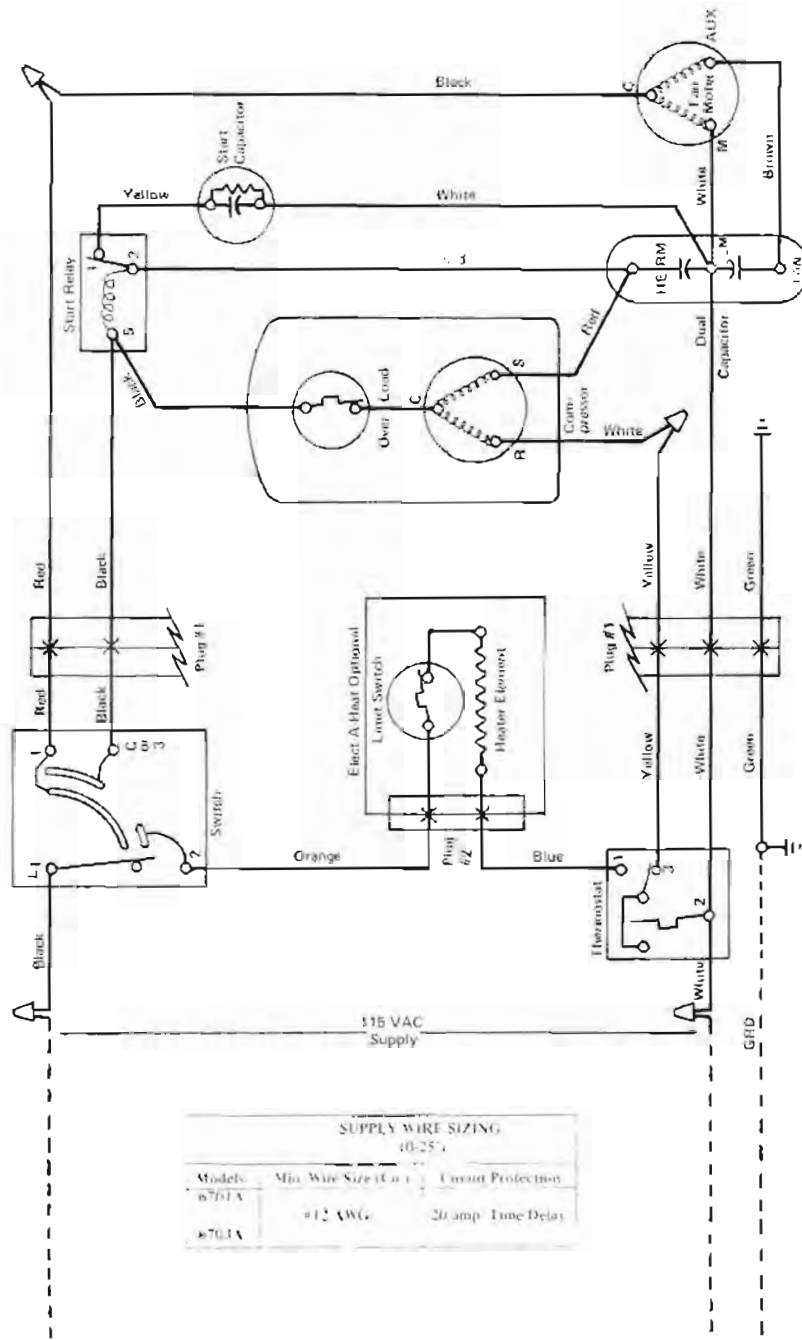


RECREATIONAL VEHICLE
AIR CONDITIONERS
MODELS 6701A, 6703A "EL" SERIES
WITH "ELECT-A-HEAT" OPTION



WARRANTY, INSTALLATION & OPERATION GUIDE





SUPPLY WIRE SIZING (10-25°)		
Models	Min. Wire Size (Cu)	Circuit Protection
6701A	#12 AWG	20 amp Time Delay
6703A	#12 AWG	20 amp Time Delay

LADDER TYPE WIRING DIAGRAM FOR MODELS 6701A & 6703A

Reinforce around opening
to support air conditioner
if necessary.

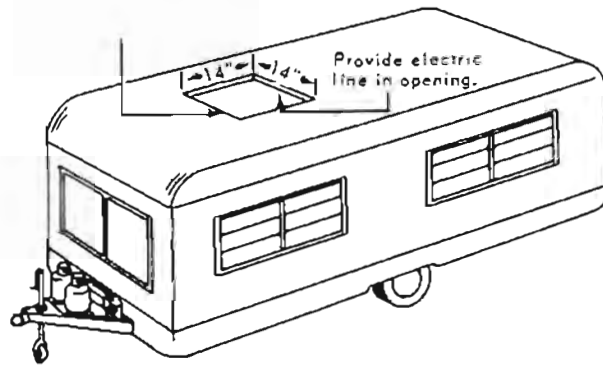


Figure 3

NOTE

Electrical service should be provided to the roof opening of adequate gauge and type. Reference supply wiring chart on page 3, also, the applicable state and local wiring codes. Be sure wire extends into roof opening far enough that it can be easily attached to the air conditioner coiling assembly.

Uncartoning The Air Conditioning Unit



Figure 4A

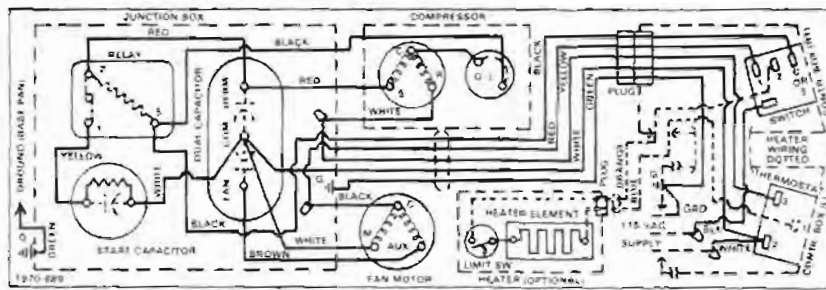


Figure 6

Installing The Ceiling Assembly

1. Pull the telescoping electrical conduit with plug down from the bottom of the air conditioning unit, Figure 4B, after removing wire tie.
2. Pull the unconnected end of the damper cable down from the bottom of the air conditioner.
3. Uncarton the ceiling assembly
4. Remove the two screws that hold the ceiling shroud onto the ceiling assembly and keep for reinstallation.
5. Measure the distance from the air conditioner bottom to the ceiling. Trim the height of the duct collar to this measurement using shears or scissors. Tape around seam from top to bottom both outside and inside after trimming.

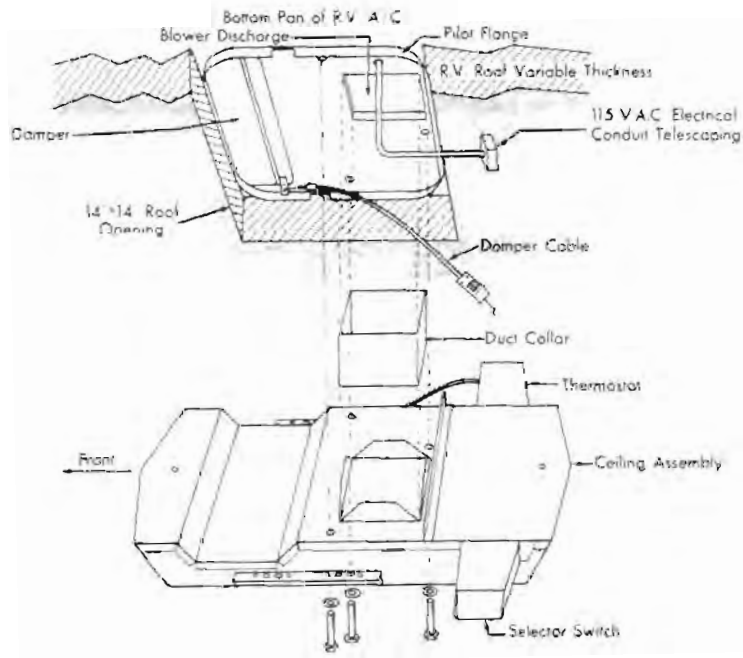


Figure 7

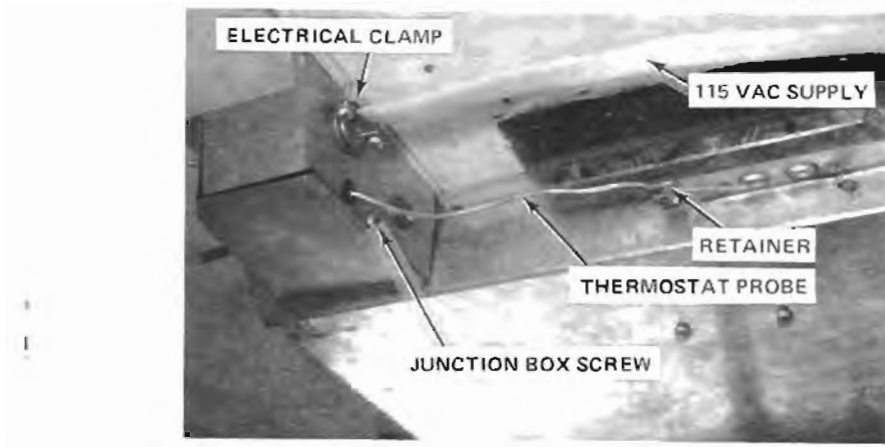


Figure 9

- 9 Route the 115 volt AC electrical supply wire to the thermostat junction box. Loosen the junction box screw at the back and drop down the junction box cover. Route the 115 VAC supply leads through the electrical cable clamp and into the junction box. Figure 9.



Figure 10



Figure 11

10. Connect with wire nuts the black and white 115 volt supply wires to the black and white leads in the junction box. (Black to black and white to white). Install the 115 volt ground (green or copper) wire under the green headed screw and tighten. Figure 10.
11. Tighten the electrical cable clamp to secure the 115 volt supply wire in place and reinstall the junction box cover. *Be sure the thermostat probe is routed back through the plastic retainer.* Figure 9.

NOTE

If you are installing a cooling-only ceiling assembly, disregard steps 12 and 13 for they will not apply.

Use steps 12 and 13 only when installing the Elect-A-Heat ceiling assembly.

14. Position the ceiling shroud up near the ceiling assembly and connect the springs, one at a time. First, connect one leg of a spring, Figure 13, then connect the second leg, Figure 14. This is accomplished by looking up through the ceiling shroud return air grilles, reaching over the side of the ceiling shroud, lifting one leg up, inserting it up through the slot, allowing the tension to push the leg over to the side of the slot, then lowering the ceiling shroud until the curved end of the leg protrudes down through the round hole.

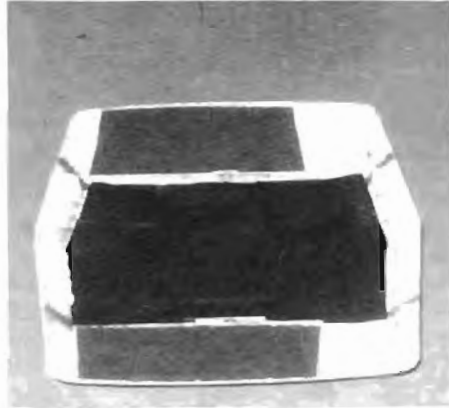


Figure 15

15. Place the two non-allergic natural fiber filters in the return openings of the ceiling shroud, as shown in Figure 15, with the net backing of the filters in the downward position.



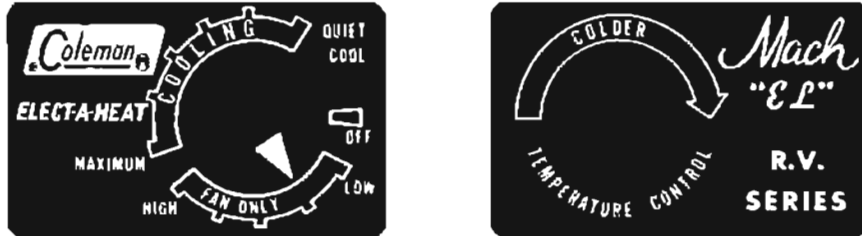
Figure 16



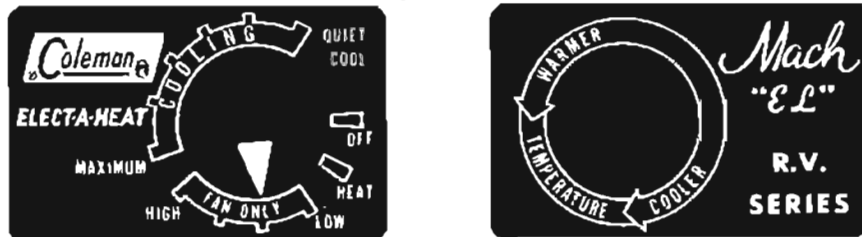
Figure 17

1. Set the selector switch to the "Heat" position, Figure 18. The fan will automatically start circulating air continuously at a low volume.
2. Set the temperature control to the temperature level that is the most comfortable for you. The heater will automatically turn on when the temperature of the air entering the air conditioner drops below this setting a few degrees and automatically turns off when the temperature of the air entering the air conditioner rises a few degrees above the temperature setting you have selected. The air conditioner will keep cycling the heat on and off in this fashion until you change the selector switch to another mode of operation.

To Operate For Air Recirculation Only



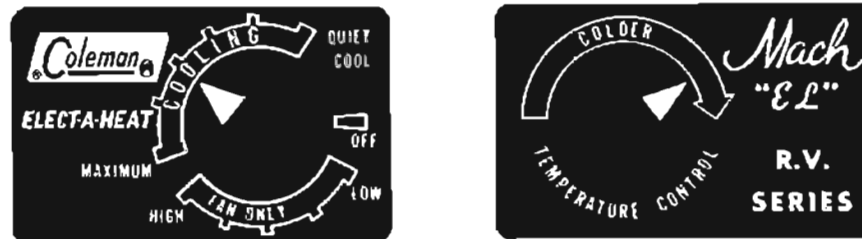
Cooling Only Models
Figure 19A



Elect-A-Heat Models
Figure 19B

1. Set the selector switch to the "Fan Only" positions on the dial, Figure 19. The fan will run continuously and filter the air without either cooling or heating the air. To obtain a lower or higher volume of circulating air, simply turn the selector switch to a lower or higher setting in the "Fan Only" positions on the dial. This will close or open the damper in the air conditioning unit to give you almost unlimited control over the volume of air being recirculated in your RV.

To Operate For Cooling



Cooling Only Models
Figure 20A

1. In some areas of the nation where high relative humidities are experienced, it is desirable to operate your unit primarily for humidity control. To operate your Coleman RV air conditioner as a dehumidifier, set the selector switch to "Quiet Cool", Figure 21

In this position, the air flow will be at a minimum volume.

2. Set the temperature control to the warmest position at which the compressor will cycle on and off for cooling. When operated in this position, your Coleman RV air conditioner will remove high quantities of moisture from the air in your RV without cooling the RV.

At any time the unit is operated on either full cooling or as a humidity control appliance, the excess moisture removed from the air stream in your RV will be diverted onto the roof of your vehicle. Do not be alarmed as this excess moisture is allowed to escape from the area of the air conditioner to the ground.

YOU SHOULD CAREFULLY READ YOUR PRODUCT WARRANTY IN THE WARRANTY SECTION OF THIS BOOKLET!

OWNER'S MAINTENANCE

Cleaning And Changing The Filters

The air filters are located in the interior ceiling shroud and are easily accessible for changing or cleaning. Reference the Installation Guide section of this booklet, steps 15, 16, and 17. Your filters provide a vital function to proper operation of your air conditioning system. If the filters are not cleaned at regular intervals, they become partially plugged with lint, dirt, grease, etc. Then it will be possible to severely damage the operating components of your air conditioner.

We recommend that you remove the filters and clean them at least every two weeks that the unit is in operation. The filters can be easily cleaned with soap and water and rinsed clean, or by using a garden hose to remove the contamination. Dry the filter carefully and reinstall in the air conditioner.

CAUTION

DO NOT OPERATE YOUR AIR CONDITIONER FOR EXTENDED PERIODS OF TIME WITHOUT THE FILTERS INSTALLED.

If replacement filters are necessary, the filters can be purchased from most Coleman Authorized Service Centers or from The Coleman Company directly. You should carry spare filters at all times for installation in the ceiling shroud, if your old filters become torn or deteriorate from the effect of smog, aerosol sprays, etc.

Electrical Problems

Failure to start or failure to cool are sometimes problems with air conditioning units. The Coleman RV air conditioner is designed to operate on 115 volt electrical power. If the compressor on your unit fails to start, be sure the proper wire size is hooked to the unit, the proper circuit breakers are installed as protective devices on the electrical circuit, or the proper sized extension cord is being used for the distance covered from the utility outlet to your RV. Refer to the electrical chart at the beginning of this booklet for proper sizes of circuit breakers/fuses and wire conductor sizes.

If your unit continues to trip off the circuit breaker, have an electrician check the starting amperage and running amperage on the unit. The amperage