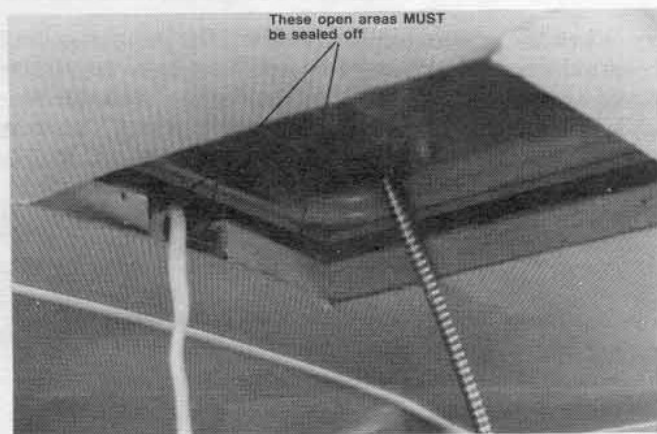


Fig. 9

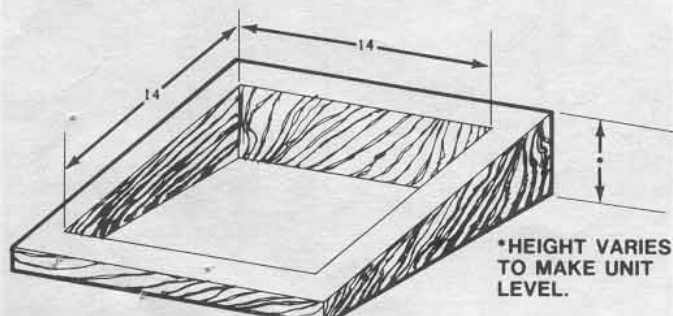
4. Route the 115 volt AC power supply wiring through the hole in the frame, into the 14" x 14" opening. Figure 10.



FRAME CONSTRUCTION WHEN  
CENTER BEAM IS PRESENT

Fig. 10

5. The roof air conditioning unit must be mounted as near level from front to rear and side to side as is possible when the vehicle is parked on a level plane. If the vehicle roof is sloped in any direction, an exterior leveling shim will need to be added to make the air conditioning unit level. Figure 11 is a type of shim that can be used. Once the exterior surface has been leveled some additional shimming may have to be done to the interior ceiling so that the ceiling and the roof air conditioning unit will mate properly.



6. Remove the carton and packaging from the roof air conditioning unit.
7. Lift the air conditioning unit off its wooden skid and set directly on the prepared 14" x 14" roof opening with the pointed end of the shroud facing the front of the vehicle and the condensing coil facing the rear. The air conditioning unit may be lifted by its plastic shroud, See Figure 12.

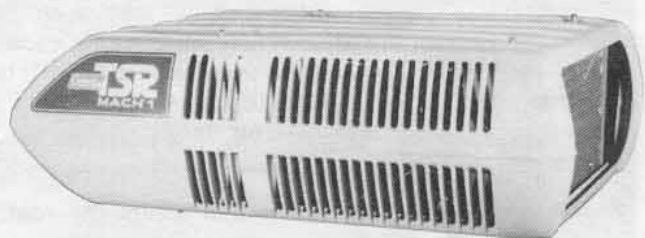


Fig. 12

8. A centering flange, on the underside of the air conditioning unit, must be centered over the 14" x 14" roof opening, See Figures 13 & 14.

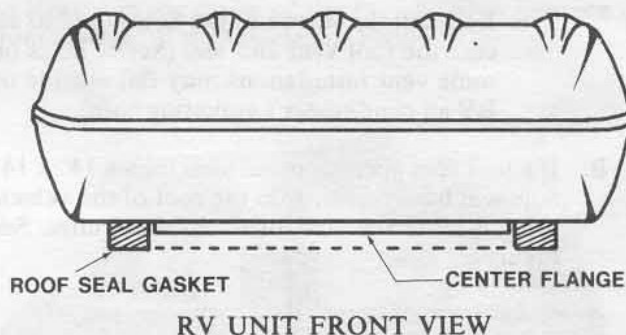
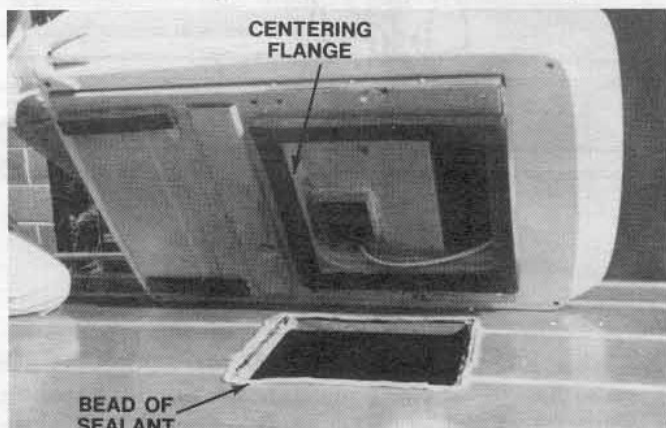


Fig. 13

### IMPORTANT NOTICE

If the roof of the RV is smooth and flat the roof seal gasket will provide a sufficient seal between the air conditioner and the roof when secured properly. However, on roofs that are irregular, ribbed, curved and/or rough, a sealant may need to be added around the roof opening to prevent water from entering the interior of the RV, See Figure 14.



# NOTE

An additional gasket package, Coleman P/N 6707-6481, is available for Air Conditioner installations on RIBBED roofs, such as those commonly found on Vans.

## SECTION IV INSTALLING THE CEILING ASSEMBLY

### NOTE

The optional Elect-A-Heat is intended to take the chill out of the indoor air when the air is a few degrees too cool for comfort. The Elect-A-Heat is an effective "chill chaser". It is not a substitute for a furnace.

1. Remove the plastic tie that is securing the compressor and fan conduit assembly to the bottom of the roof top unit. See Figure 15. The Delta TX series roof top unit will have an additional exhaust motor conduit assembly. The exhaust conduit assembly extends down through the return air opening and secures to the bottom of the roof top unit. Release both conduit assemblies. Pull the compressor and fan conduit assembly down to the ceiling opening. Let both conduit assemblies hang freely.

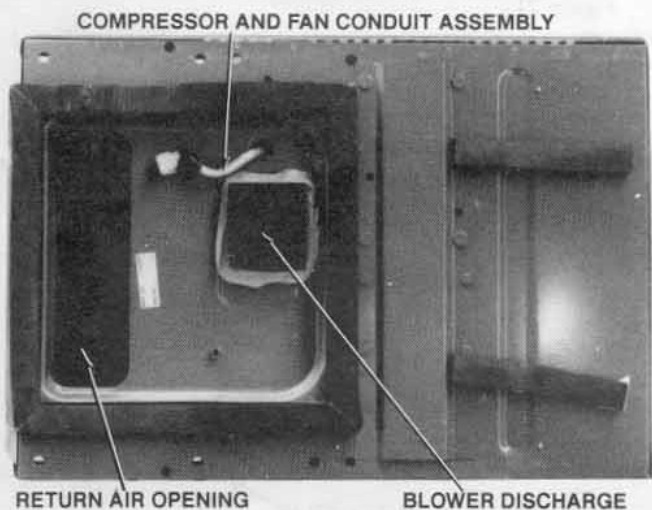


Fig. 15

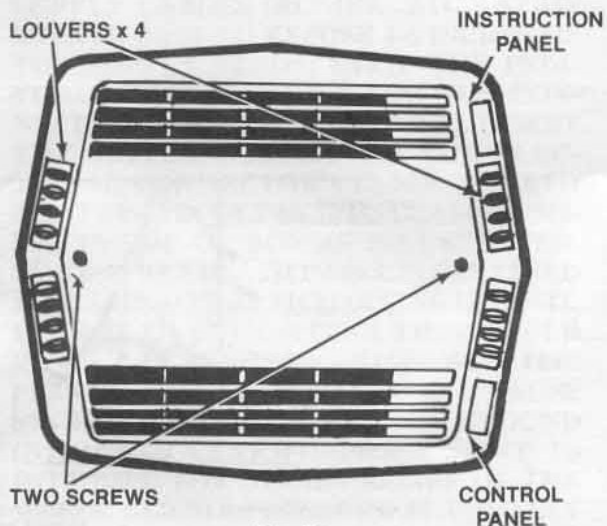


Fig. 16

2. Uncarton the ceiling assembly.
3. Remove the two screws that secure the ceiling assembly shroud to the ceiling assembly. See Figure 16.
4. Remove the shroud from the ceiling assembly, being careful not to damage the control switches.

### CEILING ASSEMBLY MODEL AND SERIAL NUMBER LOCATION.

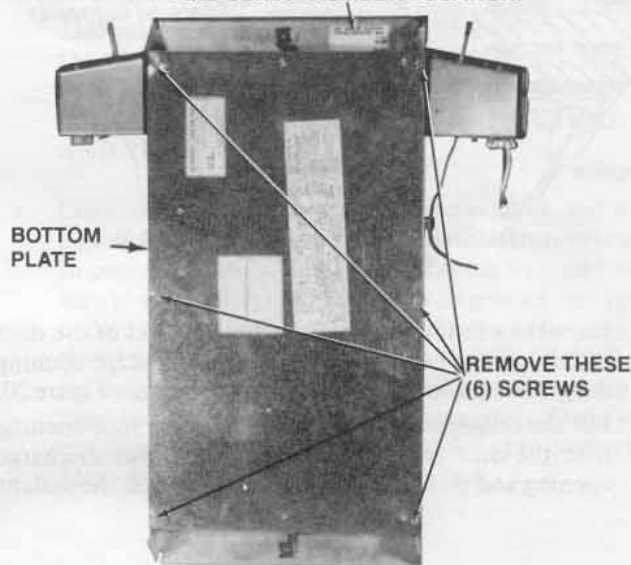


Fig. 17

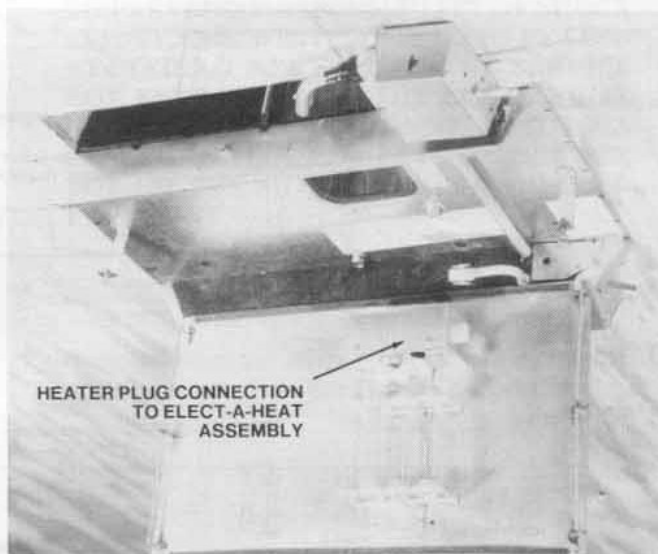


Fig. 18

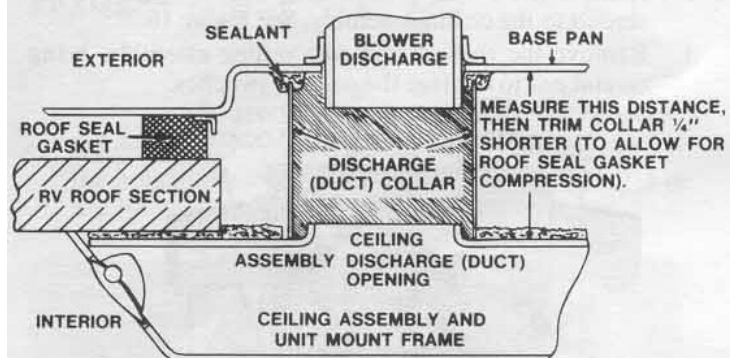
5. When installing a "COOL ONLY" ceiling assembly, move to step 6. Remove bottom plate and Elect-A-Heat assembly from the ceiling assembly. Later production ceiling assemblies have slots in the bottom plate; once loosened, the plate can then be slid over the screw heads.

Removal of the Elect-A-Heat assembly requires unplugging it. See Figures 17 and 18.

6. Measure the distance from the roof top unit base pan to the ceiling opening. Subtract  $\frac{1}{4}$ " from this measurement and trim the duct collar to this height. See Figure 19.

### CAUTION

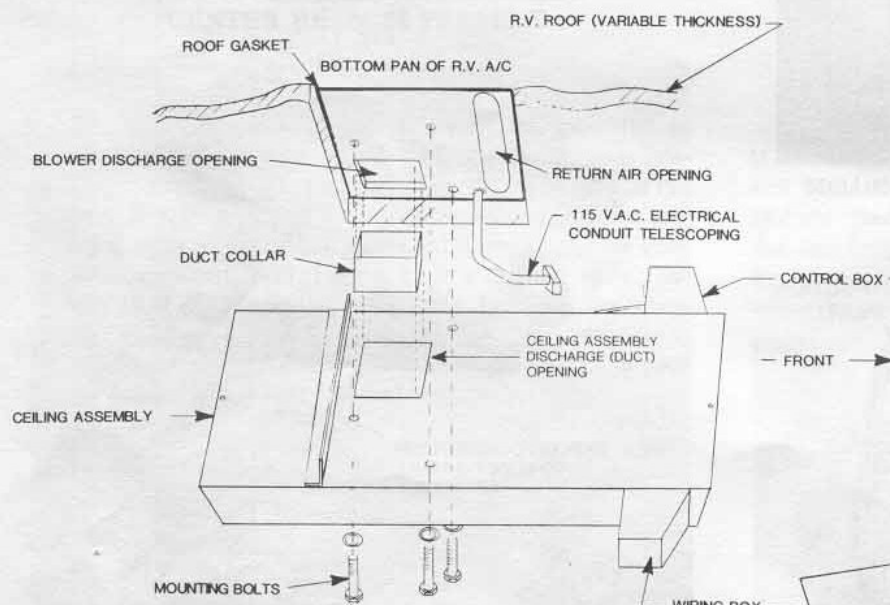
Do not use tape to seal duct collar to prevent possible fire and/or asphyxiation.



**DISCHARGE (DUCT) COLLAR ASSEMBLY DETAIL**

Fig. 19

7. Place the untrimmed (factory sheared) end of the duct collar over the ceiling assembly duct discharge opening flanges and position it around the opening, See Figure 20.
8. Lift the ceiling assembly into space at the roof opening with the duct collar lined with the blower discharge opening and push the duct collar firmly into the sealant



Note: Heater Wiring Not Shown

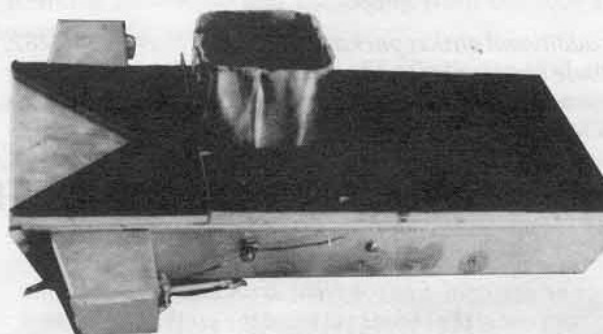


Fig. 20

surrounding the blower discharge opening, See Figures 19 and 21. Route the 115 volt power supply wire along side the wiring box.

### IMPORTANT NOTICE

To prevent a loss of discharge air, the duct collar must have an air tight seal at the roof unit's blower discharge opening and at the ceiling assembly's blower discharge opening.

9. Take the three long bolts and washers that are provided and secure the ceiling assembly to the roof unit, See Figure 21.

### NOTE

Use a rotating, tightening procedure (similar as is practiced for car tire rim mounting). This will assure even compression and seal of the gasket.

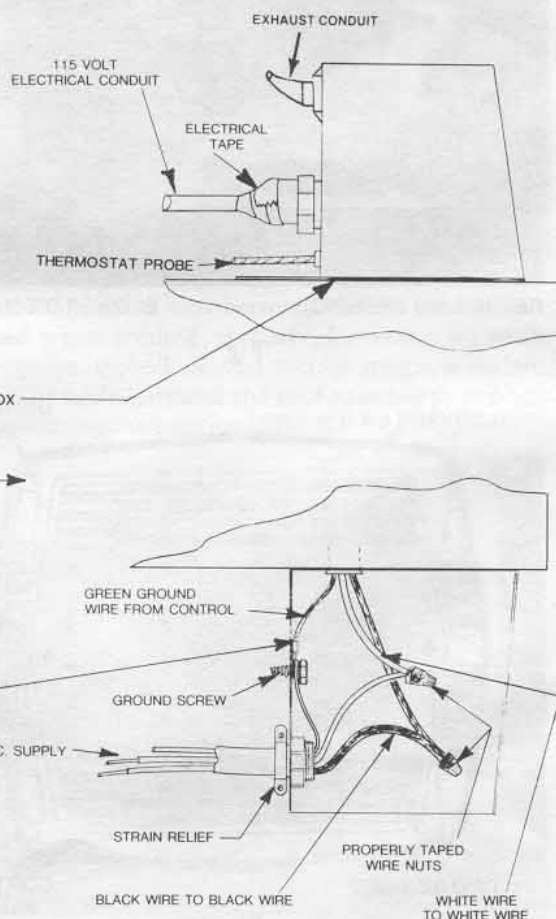


Fig. 21



- Make sure the non-allergenic natural fiber filters are in position in the ceiling assembly shroud, See Figure 23.

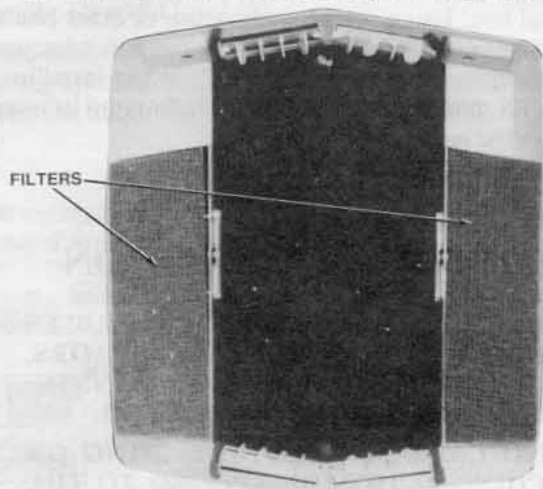


Fig. 23

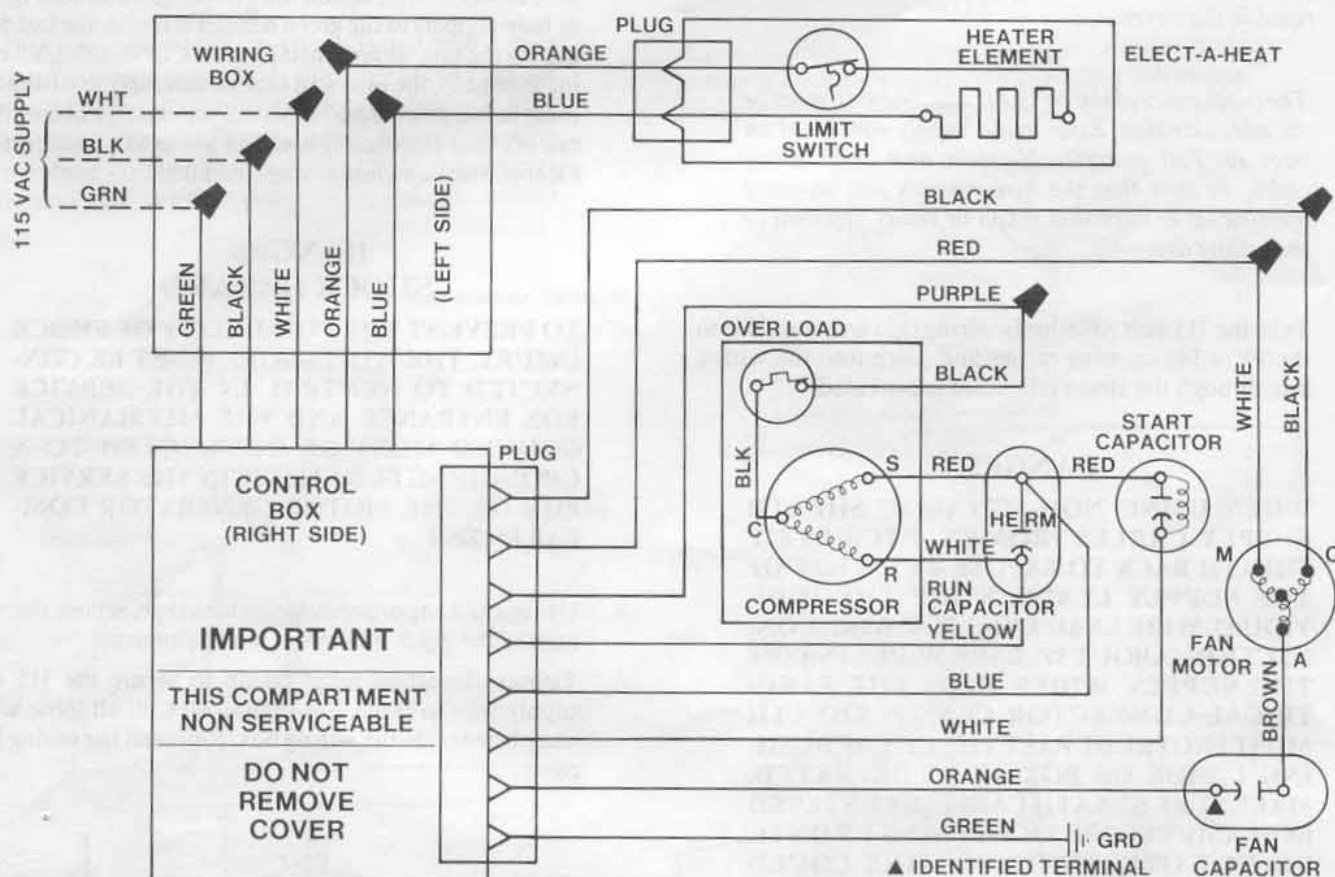
- Using the two screws previously removed, reinstall the ceiling assembly shroud being careful not to damage the control switches.

Locate the single parts package. Inside are the dials for the "Temperature Control" and "Infinite Fan Speed Control", and the stickers for the "Control Panel" and "Instruction Panel".

The stickers are divided into two separate envelopes, one envelope for the Delta T series and one envelope for the Delta TX series equipped with exhaust. The respective envelopes are identified on the outside. Locate the appropriate envelope. Examples of control stickers are shown in the check out section of these instructions, See Figure 23.

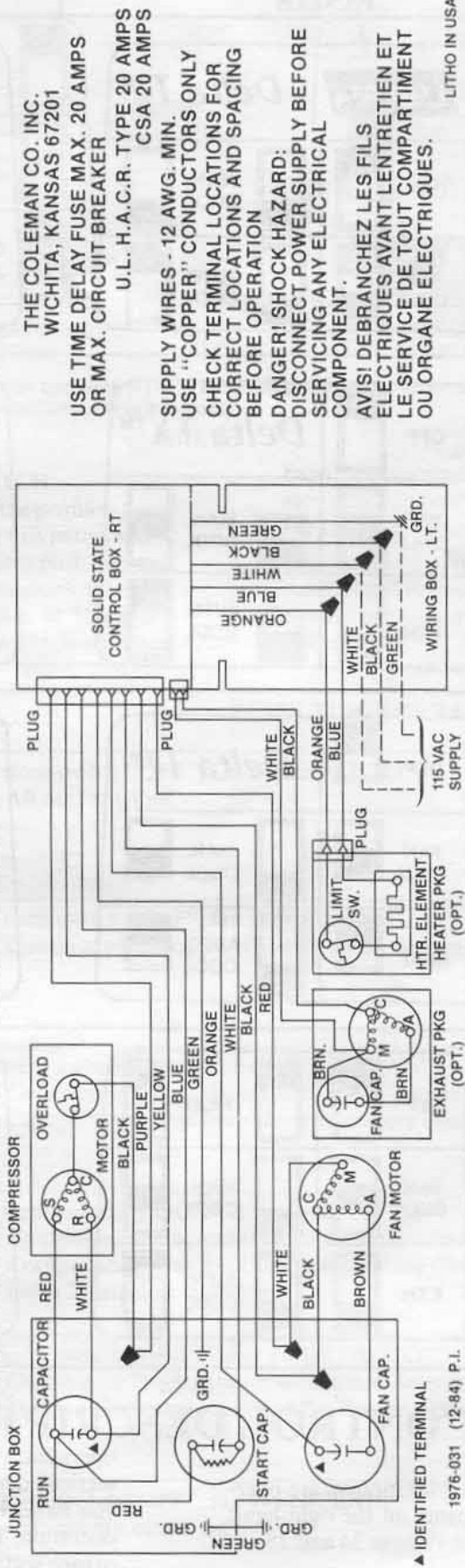
Verify that the ceiling assembly is secure and completely installed. As you face the control side of the ceiling assembly, the control panel will be on your right, and the instruction panel on your left. Carefully apply the Control Panel sticker while centering the Red "Low Power" Light in the round "Low Power" Light sticker opening. Install the two control dials on the shafts in the center of the control panel. At the control panel, place the left hand slide switch into the "OFF" position, and the right hand slide switch into the "AUTO" position. Apply the instruction panel sticker to the left hand side of the ceiling assembly.

#### LADDER TYPE WIRING DIAGRAM



SUPPLY WIRE SIZING (0-25')	
Min. Wire Size	Circuit Protection
#12 AWG. Copper Conductors Only	Max. Time Delay Fuse: 20 AMP Max. Circuit Breaker: U.L. (H.A.C.R. Type) 20 AMP C.S.A. 20 AMP

# WIRING DIAGRAM FOR 6767, 6769, 6777 AND 6779 SERIES



# SUPPLEMENTAL INSTRUCTIONS

FOR

ROOF TOP MODELS

6767A AND 6769A DELTA T SERIES  
6777A AND 6779A DELTA TX SERIES

INSTALLED WITH CEILING ASSEMBLIES

6769A714 "Cooling Only"  
6769A716 "Heat/Cool"

This supplemental instruction sheet is for the purpose of notifying all product installers, users and servicers that a wiring and corresponding model number change has taken place in Coleman Delta T and TX series air conditioners.

This model number change effects unit wiring and component (roof top unit and ceiling assembly) match-ups only. Appearance, operation and installation of the units have not changed.

The installation and operation instructions packed with this product vary only with respect to model number designation and wiring schematics. Model number designation is as listed on this supplement instruction sheet. New wiring diagrams are attached.

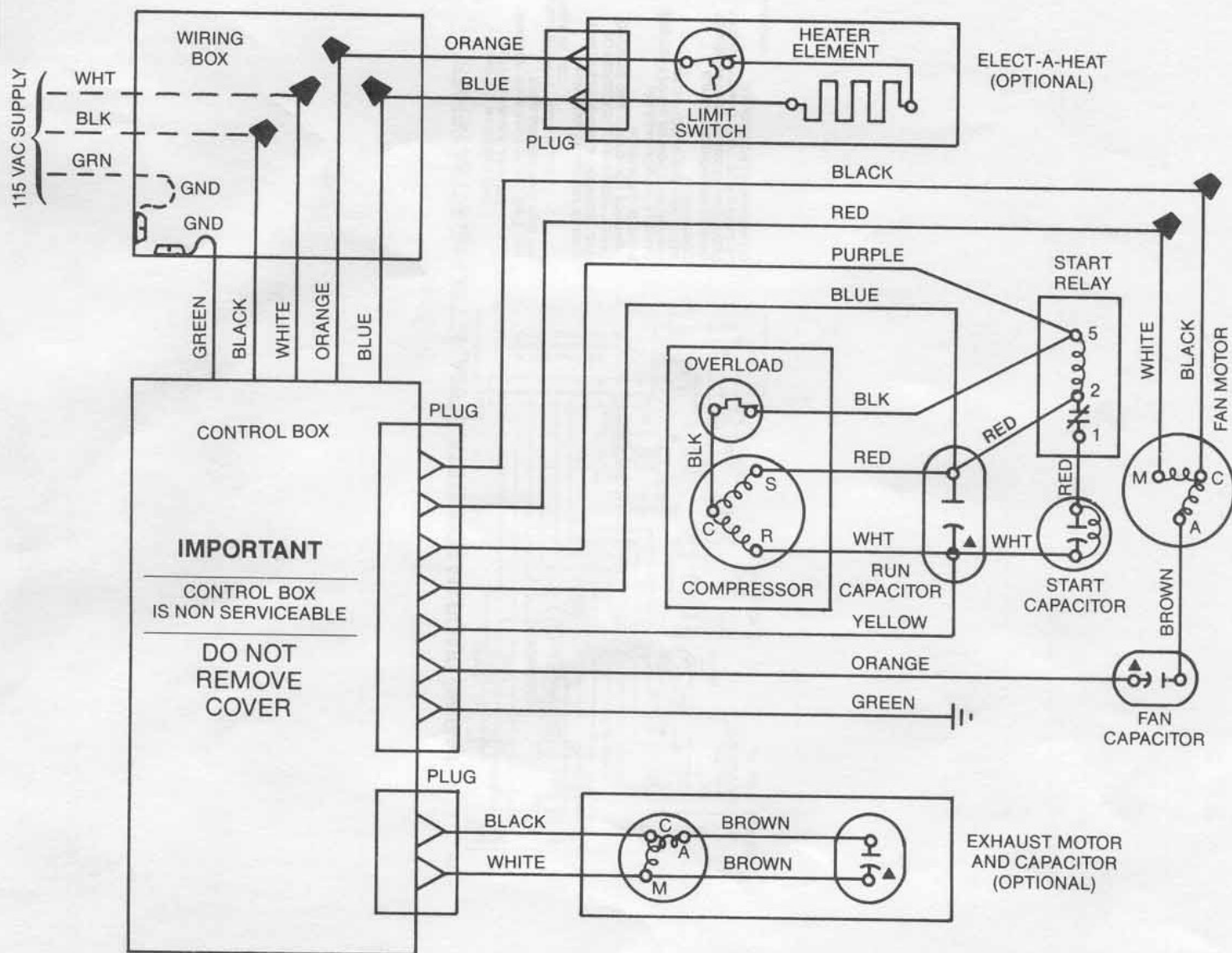
The air conditioning roof top unit and ceiling assembly have current wiring diagrams and model number designations.

## COMPONENT MATCH-UPS:

Ceiling Assemblies	Roof Top Units
6769A714 6769A716	6767A 6769A A Series 6777A 6779A
6769-714 6769-716	6767- 6769- Dash Series 6777- 6779-



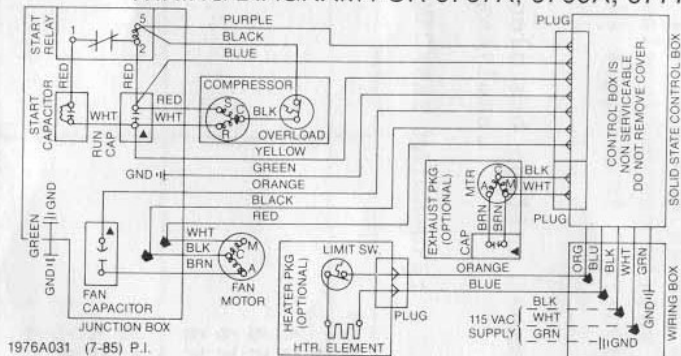
# LADDER TYPE WIRING DIAGRAM



▲ IDENTIFIED TERMINAL

SUPPLY WIRE SIZING (0-25')	
Min. Wire Size	Circuit Protection
#12 AWG	Max. Time Delay Fuse: 20 AMP

# WIRING DIAGRAM FOR 6767A, 6769A, 6777A AND 6779A SERIES



THE COLEMAN CO. INC.  
WICHITA, KANSAS 67201

USE TIME DELAY FUSE MAX. 20 AMPS  
OR MAX. CIRCUIT BREAKER

U.L. H.A.C.R. TYPE 20 AMPS  
CSA 20 AMPS

SUPPLY WIRES - 12 AWG. MIN.  
USE "COPPER" CONDUCTORS ONLY  
CHECK TERMINAL LOCATIONS FOR  
CORRECT LOCATIONS AND SPACING  
BEFORE OPERATION

DANGER! SHOCK HAZARD:  
DISCONNECT POWER SUPPLY BEFORE  
SERVICING ANY ELECTRICAL  
COMPONENT.

AVIS! DEBRANCHEZ LES FILS  
ELECTRIQUES AVANT L'ENTRETIEN ET  
LE SERVICE DE TOUT COMPARTIMENT  
OU ORGANE ELECTRIQUES.