

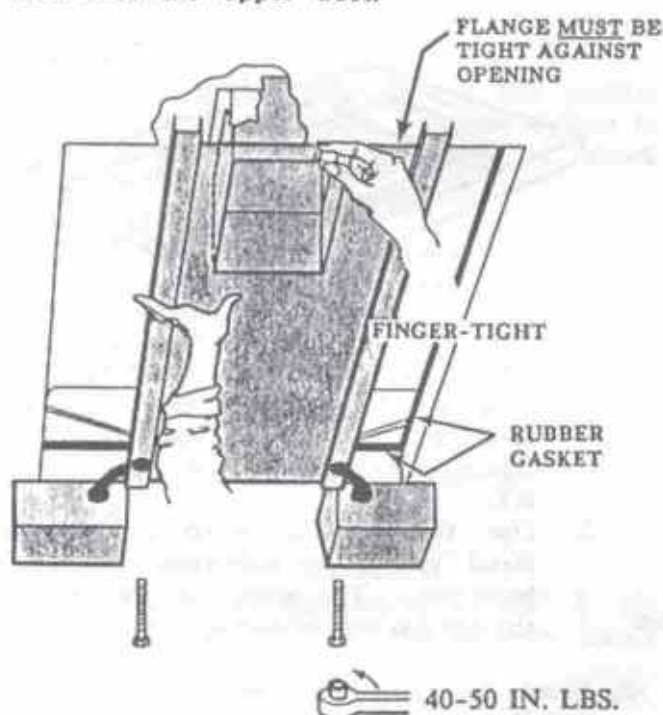
D. Measure the ceiling thickness:

1. If the distance is 1" to 2", remove the perforated tabs from both upper and lower ducts.
2. If the distance is 2" to 3" remove the perforated tabs from the bottom duct only.
3. If the distance is 3" to 4-1/4" install the ducts as received.
4. If the distance is 4-1/4" to 6" (maximum thickness), optional duct and bolt kits are available:

Duct (Part No. 318556)

Bolts (Part No. 318557)

E. Take the ceiling template and slide the lower duct over the upper duct.



F. Hold the ceiling template with one hand and with the other install the three 1/4" x 6" mounting bolts through the template and into the base pan.

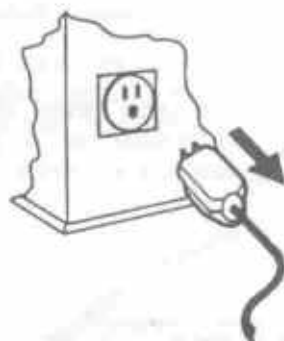
1. Finger-tighten the bolts and check alignment. There should be an equal opening on each side and the rear flange must be tight against the roof opening.
2. Evenly tighten the three bolts to a torque of 40 to 50 inch pounds. This will compress the roof gasket to approximately 1/2".

**CAUTION:** If bolts are left loose there may not be an adequate roof seal. If bolts are over-tightened damage may occur to the air conditioner base or ceiling template.

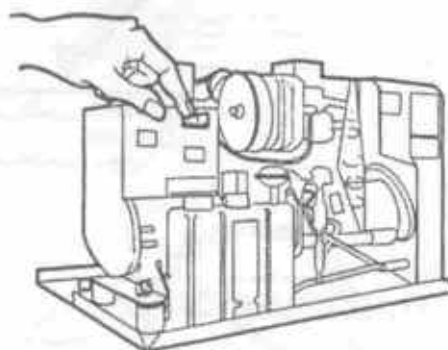
## 7. CONNECTION OF POWER SUPPLY

**WARNING**

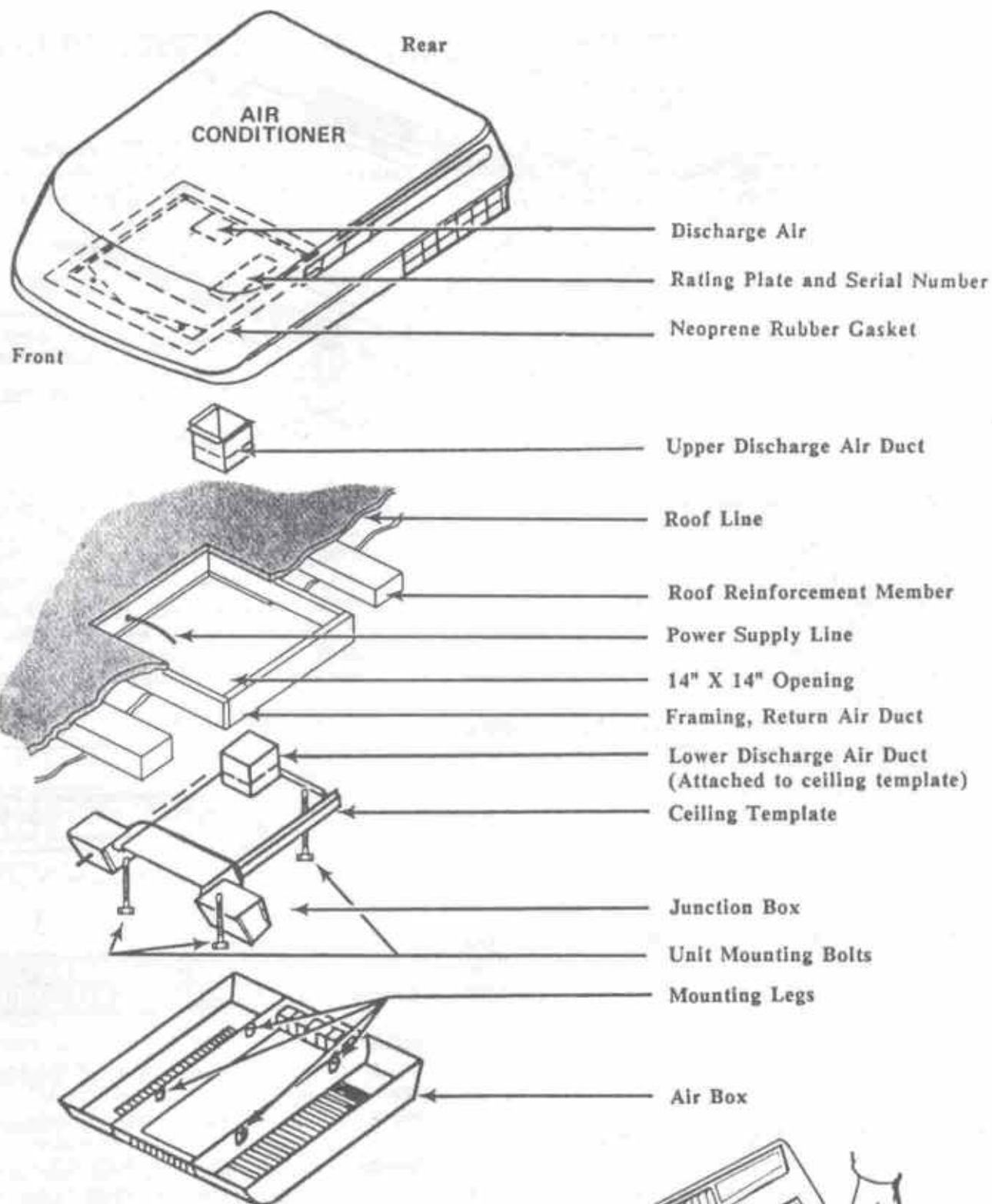
Disconnect ALL power before wire leads are connected.



UNPLUG ALL  
POWER TO  
COACH



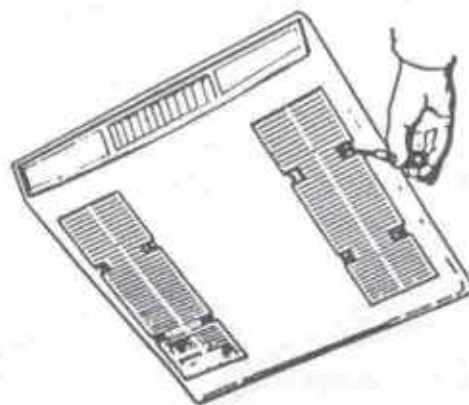
TURN OFF  
GENERATOR  
SETS

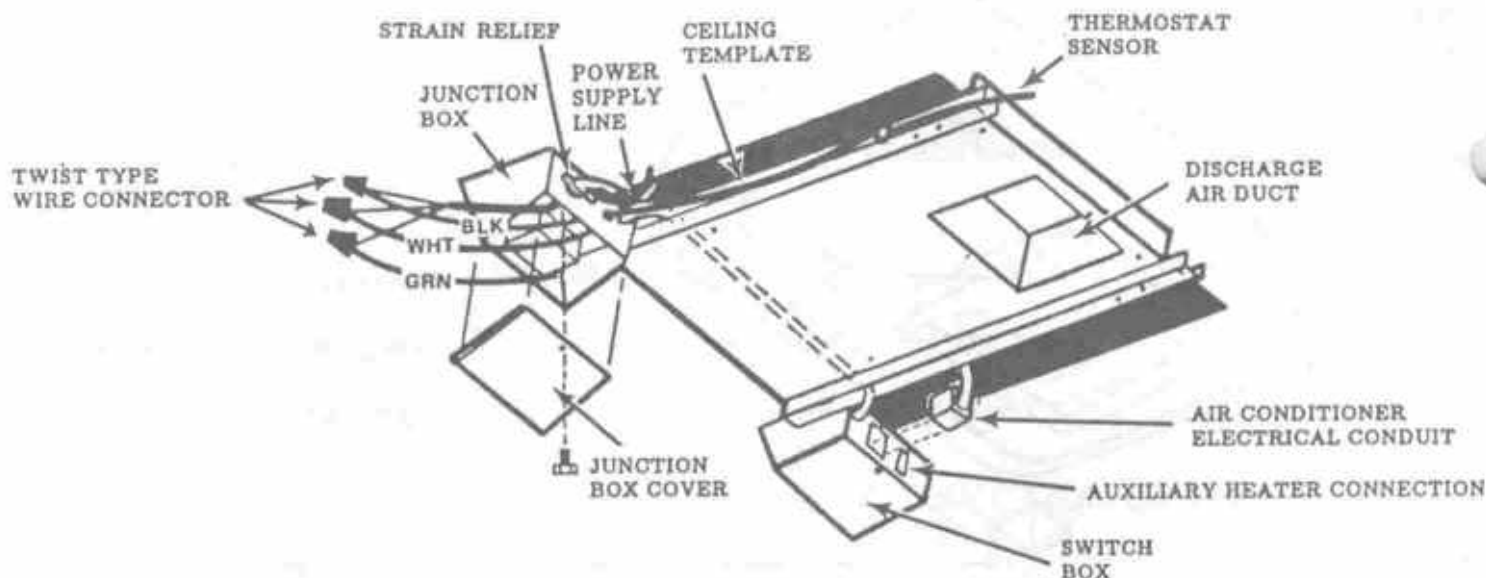


**NOTE:**

Remove the return air grilles by placing a flat bladed screw driver or similar tool into the latches. By using a prying motion, the grilles are easily removed.

NOTE: Two latches, on either side, must be unhooked.

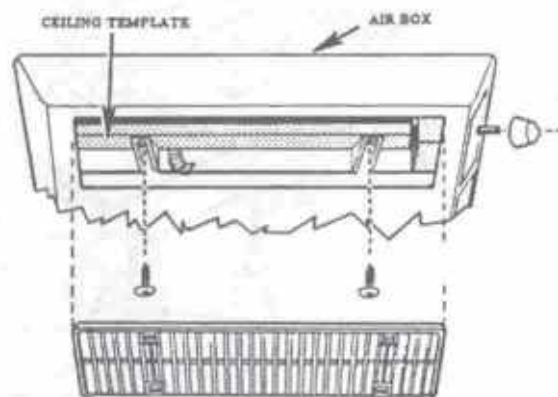




- Route supply line into junction box on ceiling template.
- Connect white to white; black to black; and green to green or bare copper wire using appropriate sized twist connectors.
- Tape the connectors to the wire with electrician's tape.
- Push the wires into the box and tighten the strain relief.
- Install the cover (part of the mounting hardware) with the one blunt point screw provided.

- Install the four (4) sharp pointed screws through the air box legs and into the prepunched ceiling template. NOTE: There are four optional mounting holes on the outer edge of the return air opening for which no screws are provided. These are only required where an uneven ceiling does not allow proper fitting of the air box.

NOTE: If optional heater is part of this installation, now is the time to install it. Installation instructions are provided with the heater kit.



## 8. AIR BOX INSTALLATION

- Remove the two filter-grills from the air box. (Reference Bottom of Page 7.)
- Slide the air box over the shafts of the thermostat and selector switch.

- Install the filter-grills by pushing them into place.
- Install the two knobs by pushing them onto the shafts.
- Turn on power to the air conditioner for operational check. Please read the following Operating Instructions before proceeding.



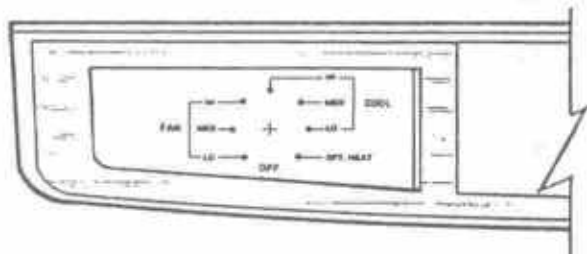


## 9. OPERATING INSTRUCTIONS

### A. CONTROLS:

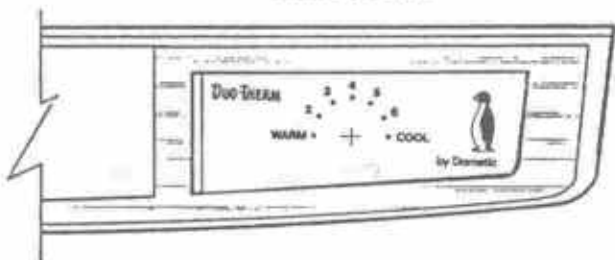
1. The selector switch has eight positions including "OFF". This is the left hand knob and controls fan speeds, heating mode and cooling mode.

SELECTOR SWITCH



2. The thermostat is located on the right side and controls the temperature range from 65° on the coldest side to 90° on the warmest side. The compressor ON/OFF in the cooling mode or heater ON/OFF in the heating mode is controlled by the thermostat setting.

THERMOSTAT



### B. COOLING OPERATION

1. Set the thermostat at the desired temperature level.
2. Select the fan speed that best satisfies your needs:
  - a. **HI COOL:** Selected when maximum cooling and dehumidification are required.
  - b. **MED COOL:** Selected when normal or average cooling is required.
  - c. **LO COOL:** Selected when room is at desired comfort level and needs to be maintained. Normally this speed is used for night time operation.

**NOTE:** The blower runs continuously to circulate air and maintain an even temperature. The compressor will come on as cooling is required to maintain the selected temperature level.

### C. FAN OPERATION:

This will circulate the air in your RV without cooling or heating. There are three positions: **HI FAN; MED FAN; OR LO FAN** to select from.

### D. HEATING OPERATION: (With optional Heat Kit Installed)

**NOTE:** This electric heater will not replace a furnace for heating your RV in cold weather. The intent is to remove the chill on cool days or mornings.

Turn the selector switch to "OPT. HEAT".

The fan and heater will run continuously on low speed.

**NOTE:** If the optional heater is not installed and "OPT. HEAT" is selected, the fan will run as a "LO FAN" operation.

**E. "OFF" POSITION:** All power to the air conditioner is off.

**F.** After shutting the air conditioner down with either the selector switch or thermostat, wait at least two (2) minutes before restarting. This allows the refrigerant pressure to equalize and the compressor to easily restart.

## 10. MAINTENANCE

**AIR FILTERS:** Periodically remove the return air filters located above the removable panels in the air box. Wash the filters with soap and warm water, let dry and then reinstall.

**NOTE:** Never run the air conditioner without return air filters in place. This may plug the unit evaporator coil with dirt and may substantially affect the performance of the unit.

## 11. SERVICE - Unit Does Not Operate

If your unit fails to operate or operates improperly, check the following before calling your service center.

- A. If RV is connected to motor generator, check to be sure motor generator is running and producing power.
- B. If RV is connected to power supply by a land line, check to be sure line is sized properly to run air conditioner load and it is plugged into power supply.
- C. Check your fuse or circuit breaker to see if it is open.
- D. In the air conditioner air box, check to be sure the air conditioner conduit is plugged into the selector switch box. (Reference Figure on Page 8.)
- E. After the above checks, call your local service center for further help. This unit must be serviced by qualified service personnel only.

When calling for service always give the air conditioner Model Number and Serial Number. This information can be found on unit rating plate located on the air conditioner base pan. To locate, remove return air grill from air box and look up through the 14" X 14" opening in the ceiling. (See FIG. 4)