

ELECTRICAL INSTALLATION:

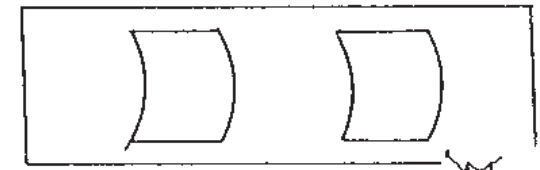
Mount control switch in spare hole in left dash, feeding wires into electrical compartment. Switch is energized by **RED wire** from **Post 55**, AC Control circuit. System uses two unused circuits from front to rear: First choice: **YELLOW Wire** goes to reserve circuit **43 FRONT**, connects to **Post 28 in REAR** of coach, Connect **YELLOW Wire** from Evaporator, and circuit with **DIODE** to **24V Clutch Relay**. **PURPLE Wire** goes to reserve circuit **44 FRONT**, connects to **Post 27 in REAR** of coach, Connect **PURPLE Wire** from Evaporator, and circuit with **DIODE** to **24V Clutch Relay**. If these circuits are now used, find two unused circuits such as fire bell circuit, front 67, connects to post 18 rear; or refer to coach manual for other unused circuits.

Mount **24V Clutch relay** to convenient place in rear electrical compartment, this relay **switches 12 Volts to Clutch**, source is from the left post of a dual post usually marked "W" and "Y", with "W" the **12V post ONLY** when alternator is charging. Another usual source is post 45. Check with meter with **ENGINE RUNNING BEFORE** hooking up; 12V circuit is **positive only** with alternator charging.

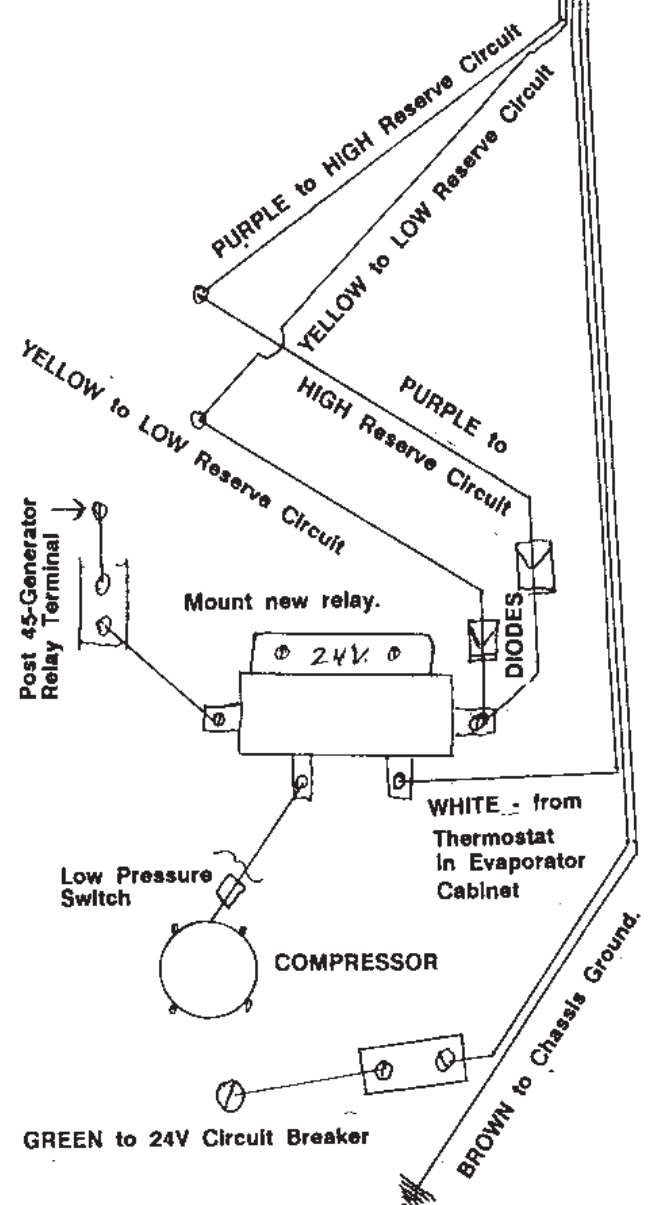
WHITE WIRE from thermostat inside evaporator cabinet furnishes a ground to the **24V relay**, which in turn **relays 12V to compressor clutch**; remember a relay is simply a switch; it switches whatever is connected to it. This thermostat prevents freeze-up of evaporator coil.

GREEN WIRE from evaporator unit is connected with circuit breaker to the "Y" post, or a suitable 24V source. Note that the **BROWN wire** from evaporator must be grounded and the electrical compartment **BOX IS NOT GROUNDED PROPERLY** usually, so be sure to get a good ground.

NOTE that compressor has a low pressure safety switch in the circuit also.



EVAPORATOR CABINET



MOUNT SWITCH IN FRONT PANEL NEAR MAIN AC SWITCH

- YELLOW - Low speed circuit
- RED - to Terminal 55
- PURPLE - to Hi Speed Circuit

