

VANTAGE AIR

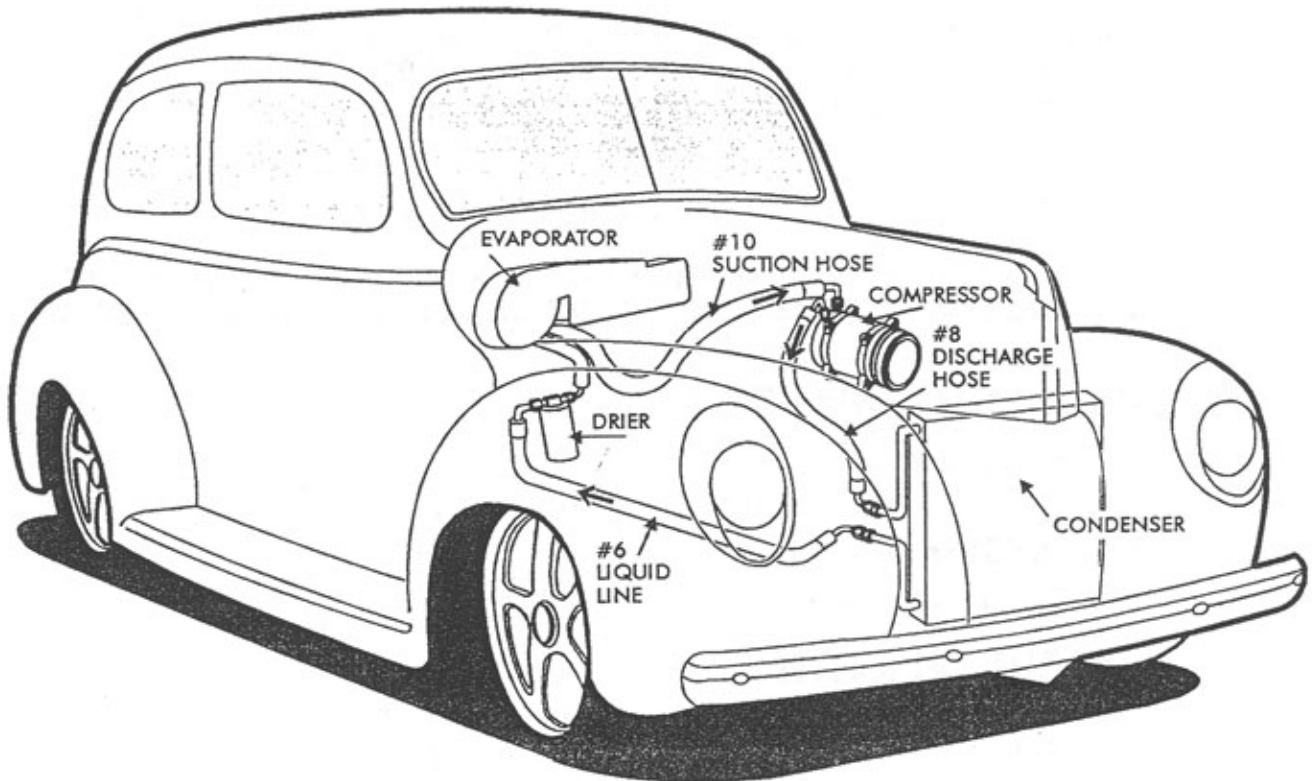
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SPACE SAVER EVO

HEAT/COOL/DEFROST

66000-QUZ-A

66000-VUZ-A



EVO SPACE SAVER

HEAT/COOL/DEFROST

IMPORTANT NOTICE-PLEASE READ

**FOR MAXIMUM SYSTEM PERFORMANCE
VINTAGE AIR RECOMMENDS THE FOLLOWING:**

SAFETY SWITCHES:

VINTAGE AIR ALWAYS RECOMMENDS AN OPTIONAL COMPRESSOR SAFETY SWITCH BE INSTALLED ON EVERY A/C SYSTEM. A BINARY SWITCH (PART # 24679-VUS) DISENGAGES THE COMPRESSOR CLUTCH IN CASE OF EXTREME LOW PRESSURE CONDITION (REFRIGERANT LOSS) OR EXCESSIVELY HIGH HEAD PRESSURE (380 PSI.), TO PREVENT COMPRESSOR DAMAGE OR HOSE RUPTURE. A TRINARY SWITCH (PART# 24678-VUS) COMBINES HI/LO PRESSURE PROTECTION WITH AN ELECTRIC FAN OPERATION SIGNAL AT 220 PSI. COMPRESSOR SAFETY SWITCHES ARE EXTREMELY IMPORTANT SINCE AN A/C SYSTEM RELIES ON REFRIGERANT TO CARRY LUBRICATION THROUGH THE SYSTEM.

SERVICE INFO:

EVACUATE THE SYSTEM FOR 35-45 MINUTES WITH SYSTEM COMPONENTS (DRIER, COMPRESSOR, EVAPORATOR AND CONDENSER) AT A TEMPERATURE OF AT LEAST 85° F. ON A COOL DAY THE COMPONENTS CAN BE HEATED WITH A HEAT GUN OR BY RUNNING THE ENGINE WITH THE HEATER ON BEFORE EVACUATING.

LEAK CHECK AND CHARGE TO SPECIFICATIONS.

THE PROPER AMOUNT OF REFRIGERANT IS CRITICAL TO PROPER SYSTEM OPERATION. VINTAGE AIR RECOMMENDS OUR SYSTEMS BE CHARGED BY WEIGHT WITH A QUALITY CHARGING STATION OR SCALE.

REFRIGERANT CAPACITIES

134a SYSTEM

CHARGE WITH 1.8 LBS. OF REFRIGERANT

R-12 SYSTEM

CHARGE WITH 2.0 LBS. OF REFRIGERANT

LUBRICANT CAPACITIES

NEW COMPRESSOR - NO ADDITIONAL OIL NEEDED.
USED COMPRESSOR - CONSULT VINTAGE AIR

PLANNING OVERVIEW

EVERY VEHICLE IS A LITTLE DIFFERENT, DEPENDING ON THE:

1. TYPE OF VEHICLE/ENGINE AND LOCATION OF ENGINE.
2. TYPE OF AIR CONDITIONING EQUIPMENT USED.
3. OWNER'S PREFERENCES.

THERE ARE MANY FACTORS THAT GO INTO MAKING EACH AIR CONDITIONING INSTALLATION DIFFERENT. USUALLY, ALL OF THE ABOVE DECISIONS ARE MADE BEFORE ANY CONSIDERATION IS GIVEN TO THE AIR CONDITIONING INSTALLATION. THE A/C SYSTEM IS THEN TAILORED TO FIT YOUR PARTICULAR APPLICATION.

THE MOUNTING LOCATION OF THE EVAPORATOR UNIT IS DETERMINED IN PART BY THE SPACE AVAILABLE FOR THE HOSE ROUTING. THE COMPONENTS USED IN THE HOSE ROUTING PROCESS (I.E. BULKHEAD PLATES, FITTINGS, AND GROMMETS, ETC.) WILL ALSO INFLUENCE THE LOCATION OF THE EVAPORATOR UNIT. WHEN PLANNING YOUR HOSE ROUTING, YOU MUST INSTALL THE MAJOR COMPONENT PARTS. MOUNT THE COMPRESSOR, CONDENSER AND DRIER. THE EVAPORATOR MUST BE TEMPORARILY HELD IN POSITION UNDER THE DASH. FINAL MOUNTING OF THE EVAPORATOR TO THE FIREWALL SHOULD NOT BE DONE, UNTIL YOU HAVE VERIFIED THAT ALL HOSES ATTACHING TO THE EVAPORATOR WILL EXIT THE FIREWALL AND/OR KICK PANEL AS PLANNED. THE HOSES MUST BE RUN EXACTLY THE WAY THEY WILL BE WHEN FINISHED, BEFORE CUTTING THEM TO LENGTH.

DUCT HOSE ROUTING AND A/C VENT LOCATIONS SHOULD ALSO BE GIVEN CAREFUL CONSIDERATION BEFORE FINAL MOUNTING POSITION OF THE EVAPORATOR IS SELECTED.

THE VINTAGE AIR SPACE SAVER EVO UNIT WAS DESIGNED FOR STREET RODS, CUSTOM CARS, AND TRUCKS. THE EVAPORATOR UNIT IS DESIGNED TO MOUNT BEHIND THE DASH.

READ THE INSTALLATION INSTRUCTIONS COMPLETELY, AND FAMILIARIZE YOURSELF WITH ALL THE PARTS AND ILLUSTRATIONS.

THE INSTALLATION OF THIS UNIT VARIES, ACCORDING TO THE BODY MANUFACTURER OR MODIFICATIONS TO THE ORIGINAL BODY. THE COWL VENT MAY REMAIN OPERATIONAL. TAKE YOUR TIME, AND DOUBLE CHECK BEFORE DRILLING OR CUTTING.

BEFORE BEGINNING, REMOVE COWL VENT HANDLE AND GLOVE BOX TO EASE INSTALLATION. IF THE DASH IS EASILY REMOVABLE, REMOVE IT NOW. CHECK FOR, AND FILL IN ANY HOLES IN THE FIREWALL AND FLOOR. INSULATE AND SEAL FIREWALL, FLOOR, DOOR PANELS, AND HEADLINER TO REDUCE THE AMOUNT OF HEAT ENTERING THE CAR. FIGURES 1 AND 1A SHOW THE GENERAL LOCATION OF THE DEFROST DUCTS. LOCATIONS WILL VARY. IF YOUR UNIT IS EQUIPPED WITH THE DEFROST OPTION, INSTALL THE DUCTS NOW.

THE EVAPORATOR SHOULD FIT WITH BLOWER WHEEL TOWARD FIREWALL. DUCT HOSE OUTLETS FACE UPPER CAVITY. DRAIN OUTLET IS ALWAYS ON BOTTOM (DOWN) SIDE OF THE EVAPORATOR. SEE FIGURE 1 BELOW.

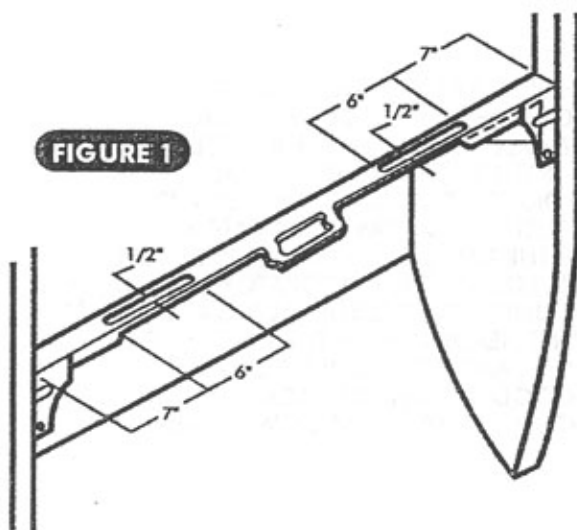


FIGURE 1

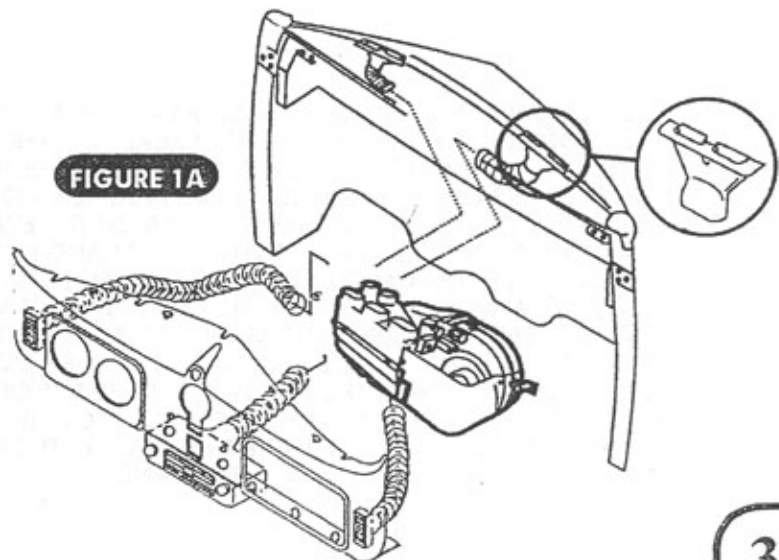
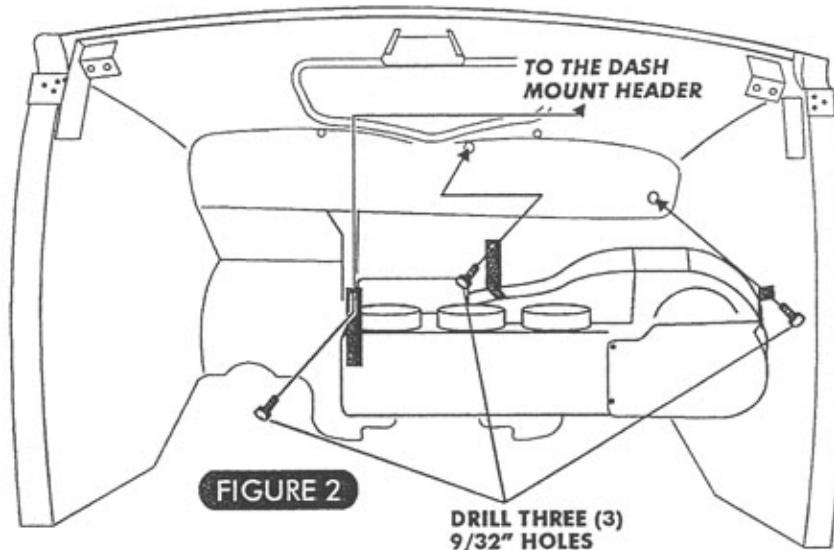


FIGURE 1A

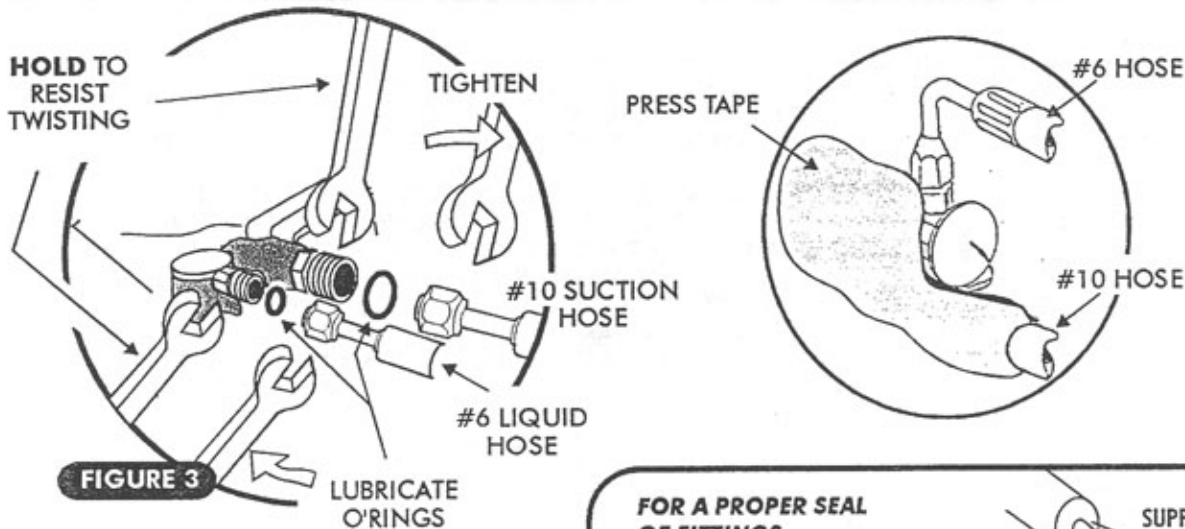
INSTALLATION STEPS

1. MOUNT COMPRESSOR ON ENGINE. FOLLOW THE INSTRUCTIONS INCLUDED WITH COMPRESSOR BRACKET KIT.
2. MOUNT CONDENSER IN PROPER LOCATION.
3. BRACKETS ARE FURNISHED TO MOUNT THE EVAPORATOR CASE. ATTACH TO FIREWALL AS SHOWN IN FIGURE 2.
4. THE COWL VENT HANDLE WILL WORK IF MOVED TO THE SIDE. YOU CAN ALSO CONVERT TO ELECTRIC OR CABLE OPERATION. IF YOU CLOSE OFF THE COWL VENT, THE UNIT WILL FIT HIGHER IN THE CAR. NOTE: TO MOUNT UNIT HIGHER, SIMPLY DETERMINE THE NEW LOCATION, MARK AND RE-DRILL THE BRACKET TO FIT AS DESCRIBED IN STEP 6 - FIGURE 2.
5. WHEN FITTING THE EVAPORATOR:
 - A. REMOVE BLOWER MOTOR COVER.
 - B. ATTACH REAR BRACKET TO THE EVAPORATOR, USING (2) 1/4"-20 x 1/2" BOLTS.
 - C. TEST FIT REFRIGERATION FITTINGS WITH HOSES FOR PROPER CLEARANCE INSIDE THE CAR. REFER TO HOSE ROUTING INSTRUCTIONS ON PAGE 7.

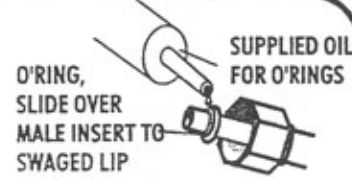


6. HAVE A HELPER HOLD THE UNIT UP AS HIGH AS POSSIBLE, WITH BLOWER HOUSING AGAINST PASSENGER SIDE KICK PANEL. LOCATE THE BRACKET ON THE TOP RIGHT OF THE BLOWER HOUSING. SCRIBE THRU THE 1/4" HOLE IN THE BRACKET TO MARK THE FIREWALL. CHECK TO SEE IF THE LOCATION YOU MARKED LOOKS OK AND WILL CLEAR OBSTRUCTIONS ON BOTH SIDES OF THE FIREWALL. IF SO, DRILL A 9/32" HOLE IN THE FIREWALL. ATTACH THE EVAPORATOR TO THE FIREWALL BY THE BLOWER MOTOR BRACKET WITH A 1/4"-20 x 1" BOLT AND NUT. USING THE REAR EVAPORATOR BRACKET AS A GUIDE, MARK AND DRILL THRU THE 1/4" HOLE IN THE BRACKET. ATTACH THIS BRACKET TO THE FIREWALL WITH A 1/4"-20 x 1" BOLT AND NUT. THIS WILL LOCATE THE EVAPORATOR HORIZONTALLY. NOW SECURE THE FRONT EVAPORATOR SUPPORT STRAP TO THE UNIT WITH THE SUPPLIED 1/4"-20 x 1/2" BOLT. THIS SUPPORT BRACKET WILL ATTACH TO THE DASH MOUNT HEADER. WITH THE UNIT HELD IN PLACE AND LEVEL, MARK THRU THE 1/4" HOLE AT THE TOP OF THE BRACKET TO THE SHEET METAL HEADER. MAKE SURE THAT THE SPOT MARKED WILL PROVIDE A GOOD MOUNTING LOCATION FOR THIS BRACKET. DRILL 9/32" MOUNTING HOLE. SECURE THE MOUNT STRAP TO THE COWL HEADER AS SHOWN IN FIGURE 2 WITH A 1/4"-20 x 1" BOLT AND NUT.

7. PUSH THE 5/16" I.D. HOSE ONTO THE STRAIGHT #6 FITTING. (SEE HOSE ROUTING ILLUSTRATION ON PG. 7). INSTALL THE FITTING ONTO THE EXPANSION VALVE (FINGER TIGHT). PUSH THE 1/2" I.D. HOSE ONTO THE STRAIGHT #10 FITTING, AND INSTALL THE FITTING ONTO THE #10 LINE ON THE EVAPORATOR. (SEE HOSE ROUTING ILLUSTRATION PG. 7).
 8. AT THIS TIME, TRY TO DETERMINE WHERE YOU WANT YOUR LINES TO GO THRU THE FIREWALL. MOVE THE HOSES TO THAT POINT. HOLD THE FITTINGS UP TO THEIR RESPECTIVE HOSES, AND DETERMINE IF THE HOSES WILL CONFORM TO THE LOCATION FOR THE BULKHEAD FITTINGS OR OPTIONAL BULKHEAD PLATE (VINTAGE AIR PART #34215-VUQ OR 34217-VUQ). THE 1/2" HOSE IS HARD TO BEND AT A SHARP ANGLE, AND THE FITTINGS TAKE UP A CERTAIN AMOUNT OF SPACE. BEFORE YOU DRILL HOLES IN YOUR FIREWALL, MAKE SURE THAT YOU CAN MAKE THE HOSES FIT WHERE YOU HAVE PLANNED. THE ENGINE COMPARTMENT APPEARANCE IS A CONSIDERATION WHEN CHOOSING THIS LOCATION.
 9. WHEN YOU HAVE DECIDED WHERE YOU WANT TO PLACE YOUR BULKHEAD FITTINGS, MARK THESE POINTS WITH A GREASE PENCIL, AND MAKE A TEMPLATE FROM THE INSIDE LOCATING WHERE THE HOLES WILL BE CUT. WITH THIS TEMPLATE, LOCATE THE SAME POINTS ON THE OUTSIDE OF THE FIREWALL. MARK THESE POINTS WITH A GREASE PENCIL.
 10. DETERMINE THE BEST LOCATION FOR THE DRIER THAT WILL ALLOW ADEQUATE ROOM FOR THE HOSE AND FITTINGS THAT CONNECT THE DRIER TO THE BULKHEAD FITTING.
 11. MOUNT THE DRIER. (KEEP THE DRIER CAPPED AS MUCH AS POSSIBLE, IF YOU MUST SCREW THE FITTING TO THE DRIER, TAPE IT CLOSED).
- NOTE: THE DRIER IS USUALLY MOUNTED WHERE YOU HAVE ROOM FOR IT. JUST REMEMBER TO MOUNT IT IN THE COOLEST SPOT POSSIBLE AND VERTICALLY SO THE SIGHT GLASS IS DIRECTLY ON TOP. (NOT NEXT TO THE EXHAUST MANIFOLD). IT CAN BE MOUNTED INSIDE THE VEHICLE AS WELL.**
12. AT THIS POINT, CUT HOLES FOR BULKHEAD FITTINGS, AND INSTALL THEM.
 13. USING THE HOSE ROUTING ILLUSTRATION AS A GUIDE, ROUTE REMAINING A/C LINES, AND CUT TO LENGTH.
 14. INSTALL A/C VENTS THAT WILL BE USED AT THIS TIME.
 15. CENTER OUTLET: YOU MAY USE THE CENTER PANEL FURNISHED, OR YOU CAN MOUNT THE VENTS IN DASH. IF YOU USE THE CONTROL PANEL, THE TOP MOUNTING LIP SHOULD BE BACK 1/4" x 1/2" FROM LOWER LEADING EDGE OF DASH. LOCATE THE 2 1/2" I.D. HOSE, AND ROUTE FROM THE DASH VENTS TO THE EVAPORATOR.
 16. AT THIS TIME, YOU SHOULD HAVE THE REFRIGERATION HOSES CUT TO THEIR PROPER LENGTH. **PAY CLOSE ATTENTION TO THE ORIENTATION OF ANY HOSE WITH TWO ANGLED FITTINGS.** ANY HOSE WITH TWO ANGLED FITTINGS MUST BE MARKED FROM THE HOSE TO THE FITTINGS TO ASSURE THEY WILL REMAIN IN THIS POSITION AFTER CRIMPING. THE RUBBER HOSE IS ONLY CAPABLE OF A MINIMAL AMOUNT OF TWIST TO AID ALIGNMENT.
 17. REMOVE HOSES AND CRIMP ENDS. IF YOU DO NOT HAVE ACCESS TO THE PROPER EQUIPMENT, YOU MUST TAKE THEM TO A QUALIFIED A/C SERVICE CENTER FOR CRIMPING. (SEE CRIMPING INSTRUCTIONS SUPPLIED WITH THE HOSE KIT).
 18. WITH THE EVAPORATOR TRIAL FIT COMPLETE, YOU MAY REMOVE UNIT AND LOWER IN VEHICLE.
 19. AFTER CRIMPING HOSES, LOCATE THE #6 A/C HOSE WITH THE STRAIGHT FITTING. LUBRICATE A #6 A/C O-RING AND THE THREADS ON THE FITTING, AND INTSTALL ON THE EXPANSION VALVE. TIGHTEN CAREFULLY. REFER TO FIGURES 3 & 3A, PAGE 6.
 20. LOCATE THE #10 A/C HOSE WITH THE STRAIGHT FITTING. LUBRICATE A #10 O-RING AND THE THREADS ON THE FITTING, AND INSTALL ON THE #10 LINE OF THE EVAPORATOR. TIGHTEN CAREFULLY. REFER TO FIGURES 3 & 3A. PAGE 6.
 21. WRAP THE #10 FITTING WITH PRESS TAPE, AND COVER ALL EXPOSED METAL SURFACES. (DO NOT WRAP THE #6 HOSE, FITTING, OR THE HEATER CORE TUBES). SEE FIGURE 3, PAGE 6.


FIGURE 3

**FOR A PROPER SEAL OF FITTINGS
INSTALL SUPPLIED
O'RINGS AS SHOWN
AND LUBRICATE
WITH SUPPLIED OIL.**


FIGURE 3A

22. INSERT THE CAPILARY TUBE INTO THE COIL THRU THE LOCATION STICKER LOCATED ON TOP OF THE EVAPORATOR TO A DEPTH OF 4½". WITH REFRIGERATION HOSES AND DUCT HOSES ON THE UNIT, LIFT IT IN PLACE. MAKE SURE THAT THE FIREWALL FITTINGS ARE ACCESSIBLE WITH THE UNIT IN PLACE. IF NOT, TIGHTEN ALL REFRIGERATION FITTINGS INSIDE THE CAR NOW, WHILE YOU CAN REACH THEM. LIFT THE UNIT INTO PLACE, AND TIGHTEN THE BRACKET BOLTS TO SECURE TO THE EVAPORATOR.
23. ROUTE HEATER HOSES (REFER TO HEATER HOSE ROUTING INSTRUCTIONS, PG. 8).
24. WITH YOUR UNIT IN PLACE, STRETCH THE DUCT HOSE TIGHTLY TO THE DASH VENT, AND RECHECK THE LENGTH. TRIM TO ENSURE THAT THE HOSE IS ENSURED TAUT, WITH A MINIMUM OF KINKS OR SHARP BENDS IN THE HOSE. THIS WILL ENSURE MAXIMUM AIRFLOW.
25. MAKE ELECTRICAL AND/OR VACUUM CONNECTIONS, ACCORDING TO THE DIAGRAM FURNISHED ON PG. 10.

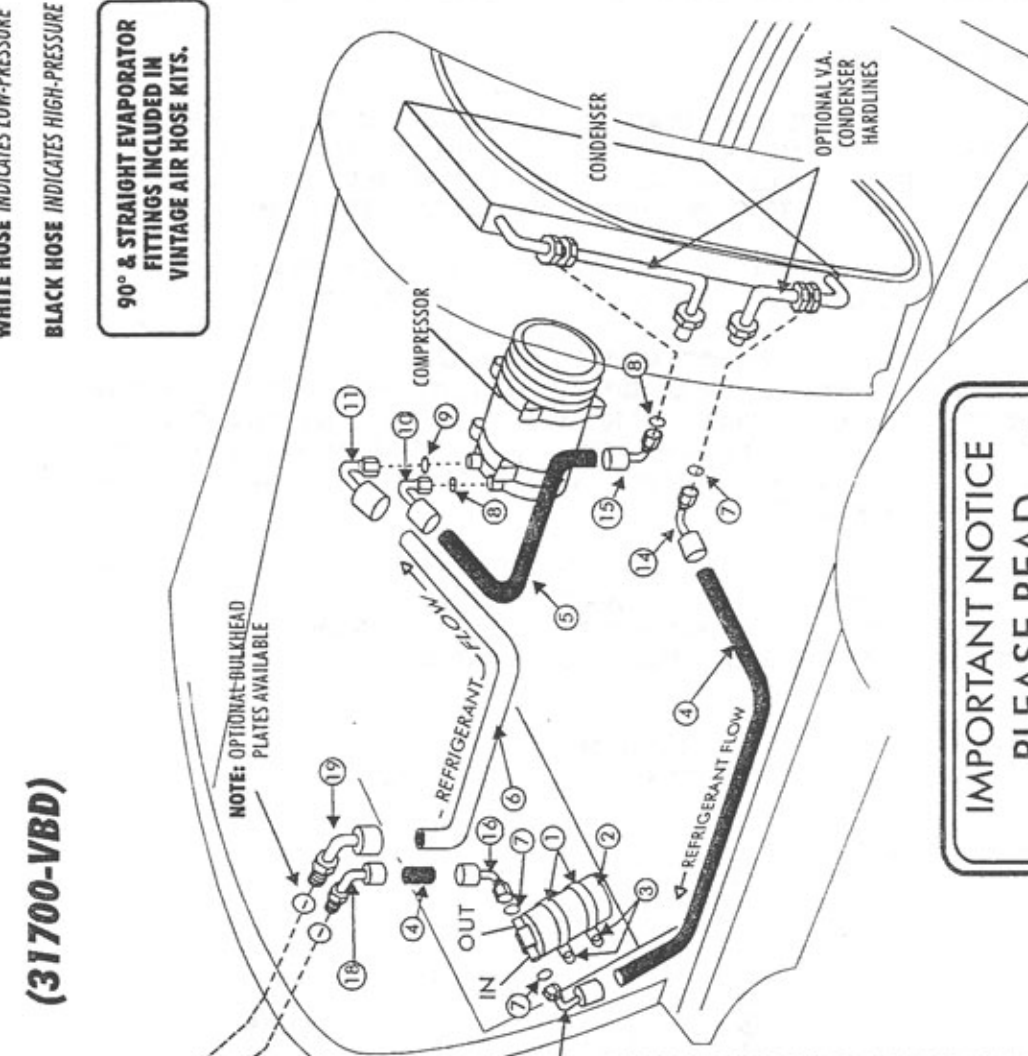
NOTE: THE RED 12GA. WIRE WITH THE 30 AMP CIRCUIT BREAKER SHOULD BE CONNECTED TO A 12 VOLT POWER SOURCE OF AT LEAST 12GA. WIRE. CONNECT MOLDED PLUG WITH THE (RED, YELLOW, ORANGE) WIRES TO THE CORRESPONDING PLUG FROM THE BLOWER MOTOR. THE SINGLE WHITE WIRE FROM THE BLOWER MOTOR MUST BE GROUNDED. THE BLUE CLUTCH WIRE RUNS FROM THE THERMOSTAT TO THE COMPRESSOR SAFETY SWITCH AND FROM THE SAFETY SWITCH TO THE COMPRESSOR. BE CAREFUL TO ENSURE THAT THIS WIRE IS NOT PINCHED OR IN A POSITION TO RUB ON A SHARP EDGE AS IT GOES THRU THE FIREWALL. AN OPTIONAL VACUUM RESERVOIR WITH CHECK VALVE WILL HELP SYSTEM WORK UNDER A VARIETY OF CONDITIONS. (VINTAGE AIR PART #31200-VUS VACUUM RESERVOIR).

(31700-VBD)

WHITE HOSE INDICATES LOW-PRESSURE

BLACK HOSE INDICATES HIGH-PRESSURE

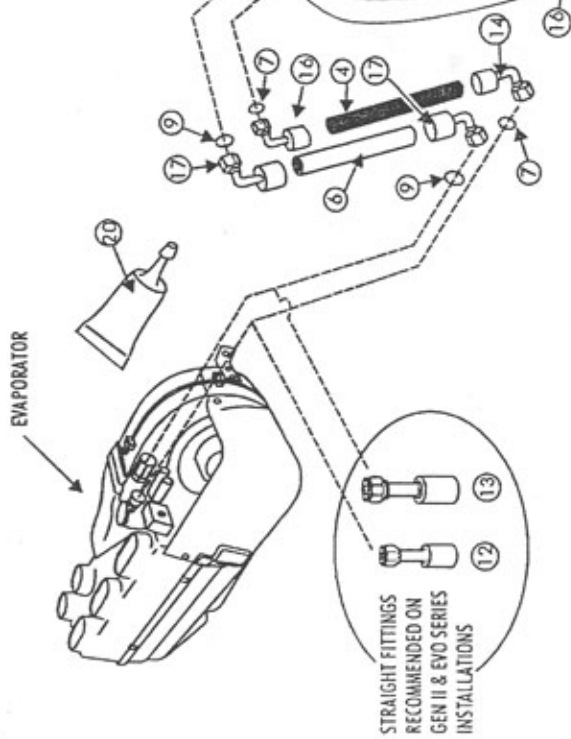
90° & STRAIGHT EVAPORATOR FITTINGS INCLUDED IN VINTAGE AIR HOSE KITS.



NOTE: OPTIONAL BULKHEAD PLATES AVAILABLE

IMPORTANT NOTICE PLEASE READ

THIS HOSE KIT CONTAINS CRIMP FERRULE FITTINGS. FITTINGS MUST BE CRIMPED WITH THE APPROPRIATE 134A CRIMPING TOOL. IF YOUR HOSE KIT IS NOT A 31700-VBD REFER TO THE INSTRUCTIONS INCLUDED WITH YOUR PARTICULAR HOSE KIT FOR CRIMPING.



No.	PART No.	DESCRIPTION	QTY.
1.	07113-VUB	DRIER CLAMP	2
2.	07321-VUC	DRIER 3/8" X 3/8" O-RING	1
3.	18247-VUB	# 10 x 1/2" SHEET METAL HEX SCREW	2
4.	31854-VUD	# 6 A/C HOSE	6'
5.	31855-VUD	# 8 A/C HOSE	4'
6.	31856-VUD	# 10 A/C HOSE	5'
7.	33857-VUF	# 6 O-RING	5
8.	33858-VUF	# 8 O-RING	2
9.	33859-VUF	# 10 O-RING	3
10.	35542-VUG	# 8 BL-FTG 135° FM-O-RING w/134 PORT	1
11.	35543-VUG	# 10 BL-FTG 135° FM-O-RING w/134 PORT	1
12.	35811-VUG	# 6 STRAIGHT BEADLOCK O-RING FTG	1
13.	35813-VUG	# 10 STRAIGHT BEADLOCK O-RING FTG	1
14.	35821-VUG	# 6 STRAIGHT BEADLOCK O-RING FTG	2
15.	35822-VUG	# 8 BEADLOCK 45° FM-O-RING FTG	1
16.	35831-VUG	# 6 BEADLOCK 90° FM-O-RING FTG	3
17.	35833-VUG	# 10 BEADLOCK 90° FM-O-RING FTG	2
18.	35881-VUG	# 6 BEADLOCK BULKHEAD 90° M-O-RING FTG	1
19.	35883-VUG	# 10 BEADLOCK BULKHEAD 90° M-O-RING FTG	1
20.	41117-VUP	REFRIGERANT OIL TUBE	1

HEATER HOSE INSTALLATION

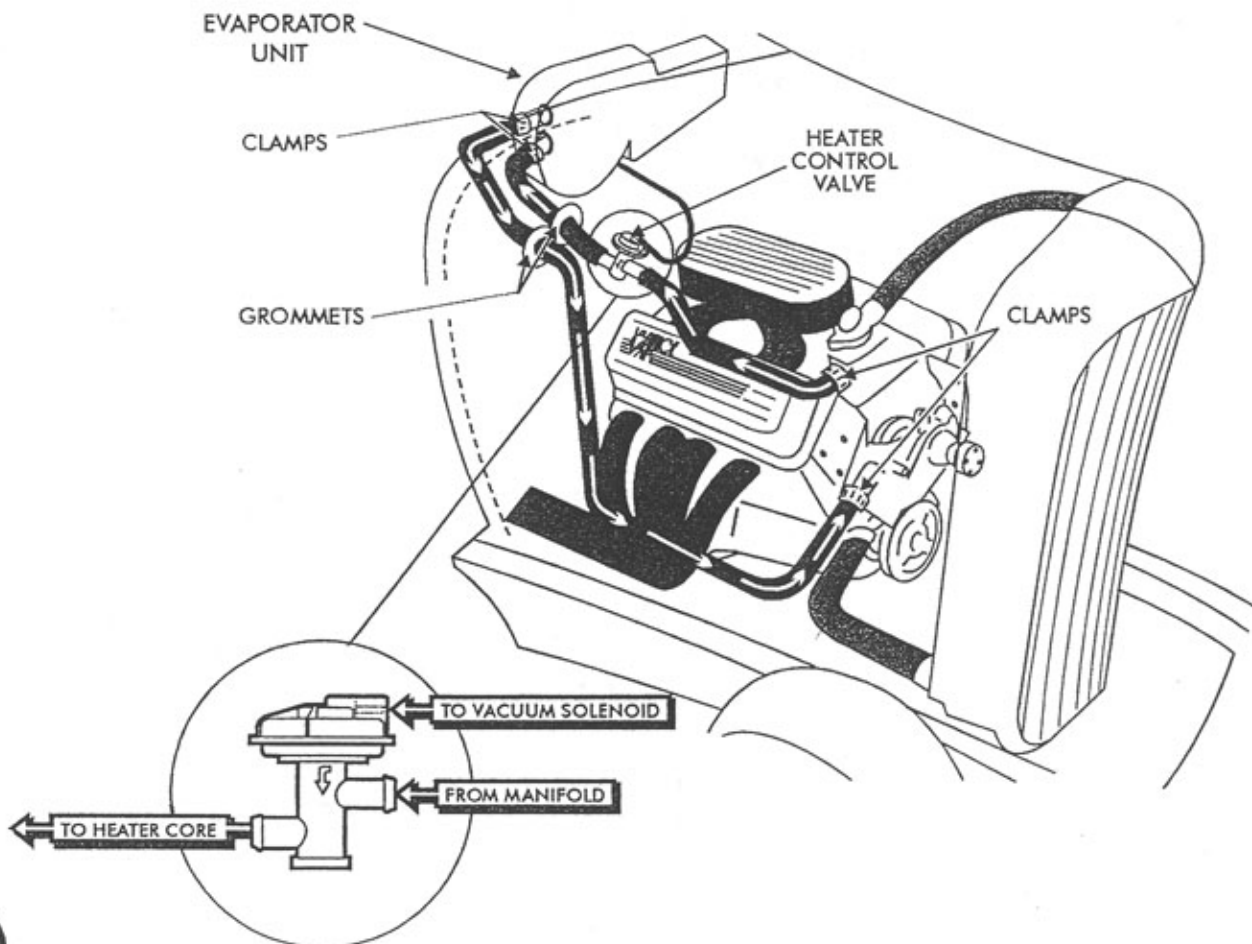
• AFTER THE EVAPORATOR IS IN PLACE, RUN 5/8" HEATER HOSE FROM THE BOTTOM HEATER FITTING ON THE EVAPORATOR THRU THE FIREWALL OR BEHIND THE KICK PANEL THRU FLOOR TO THE INTAKE MANIFOLD HEATER CONNECTION. INSTALL THE VACUUM HEATER CONTROL VALVE IN THIS LINE. (PRESSURE) SEE FIGURE BELOW. **(BE SURE TO FOLLOW FLOW ARROW ON HEATER CONTROL VALVE)**

• INSTALL 5/8" HEATER HOSE ON TOP FITTING OF HEATER. ROUTE HOSE THRU FIREWALL OR BEHIND KICK PANEL THRU FLOORBOARD AND OUT TO WATER PUMP CONNECTION. (SUCTION)

FILL RADIATOR WITH AT LEAST A 50/50 MIXTURE OF APPROVED ANTIFREEZE AND WATER. IT IS THE OWNER'S RESPONSIBILITY TO KEEP THE FREEZE PROTECTION AT THE PROPER LEVEL FOR THE CLIMATE IN WHICH THE VEHICLE IS OPERATING. FAILURE TO FOLLOW ANTIFREEZE RECOMMENDATIONS WILL CAUSE HEATER CORE TO CORRODE PREMATURELY AND POSSIBLY BURST IN THE A/C MODE AND/OR FREEZING WEATHER, VOIDING YOUR WARRANTY. CHECK COMPLETE A/C ASSEMBLY FOR PROPER OPERATION. VINTAGE AIR RECOMMENDS THAT ALL A/C SYSTEMS BE SERVICED BY A CERTIFIED AUTOMOTIVE AIR CONDITIONING TECHNICIAN ONLY. SEE INSIDE COVER FOR SERVICE INFORMATION.

• START ENGINE AND RUN, UNTIL NORMAL OPERATING TEMPERATURE IS REACHED. PLACE SWITCH IN HEAT POSITION (SEE FIGURE 4, PAGE 9), AND SELECT FAN SPEED DESIRED. THE SYSTEM WILL HEAT THE VEHICLE. **(BE SURE THE ENGINE THERMOSTAT HAS OPENED, AND THE APPROVED ANTIFREEZE MIXTURE HAS BEEN CIRCULATED THRU THE HEATER CORE BEFORE TESTING THE A/C MODES).**

• WHEN VALVE IS CLOSED, INLET SIDE OF VALVE SHOULD BE HOT AND OUTLET SIDE SHOULD BE COOL. WHEN THE VALVE IS OPEN, BOTH INLET AND OUTLET SIDES SHOULD BE HOT.



•IF PREVIOUSLY REMOVED, REINSTALL DASH AND INSURE THAT THE DUCT HOSE IS SECURELY ON THE DASH VENT HOSE ADAPTORS.

•DON'T FORGET TO WRAP ANY EXPOSED #10 FITTINGS INSIDE THE CAR TO PREVENT CONDENSATION.

CONTROL PANEL OPERATION

IF YOU ARE USING AN OPTIONAL CONTROL PANEL, REFER TO THE INSTRUCTIONS FURNISHED WITH THE PANEL FOR OPERATION. CHECK OPERATION (SEE FIGURE 4).

- THE SWITCH ON THE LEFT IS THE FAN SWITCH - CONTROLS 3 SPEED FAN MOTOR.
- THE SWITCH ON THE RIGHT IS THE MODE SELECTION. FULL COUNTER-CLOCKWISE POSITION IS ECONOMY POSITION. AMBIENT TEMPERATURE AIR SHOULD COME OUT OF DASH VENTS. IN THE FIRST POSITION (A/C POSITION), COLD AIR SHOULD COME OUT OF THE DASH VENTS. THE SECOND POSITION (HEAT POSITION), HOT AIR SHOULD COME OUT OF THE FLOOR VENT. IF VACUUM OPERATED, THE HEATER CONTROL VALVE SHOULD BE RECEIVING A VACUUM SIGNAL AND BE OPEN. THE THIRD POSITION (DEFROST POSITION), AIR SHOULD COME OUT OF THE DEFROST VENTS AND FLOOR VENTS.

FAN SPEED CAN BE OPERATED IN ANY MODE POSITION

NOTE: WHEN IN DEFROST MODE POSITION TURN THERMOSTAT KNOB FULL COUNTER CLOCKWISE AND THEN CLOCKWISE 1/8 TURN OR UNTIL THERMOSTAT CLICKS ON, THIS WILL GIVE OPTIMUM DEFROST PERFORMANCE.

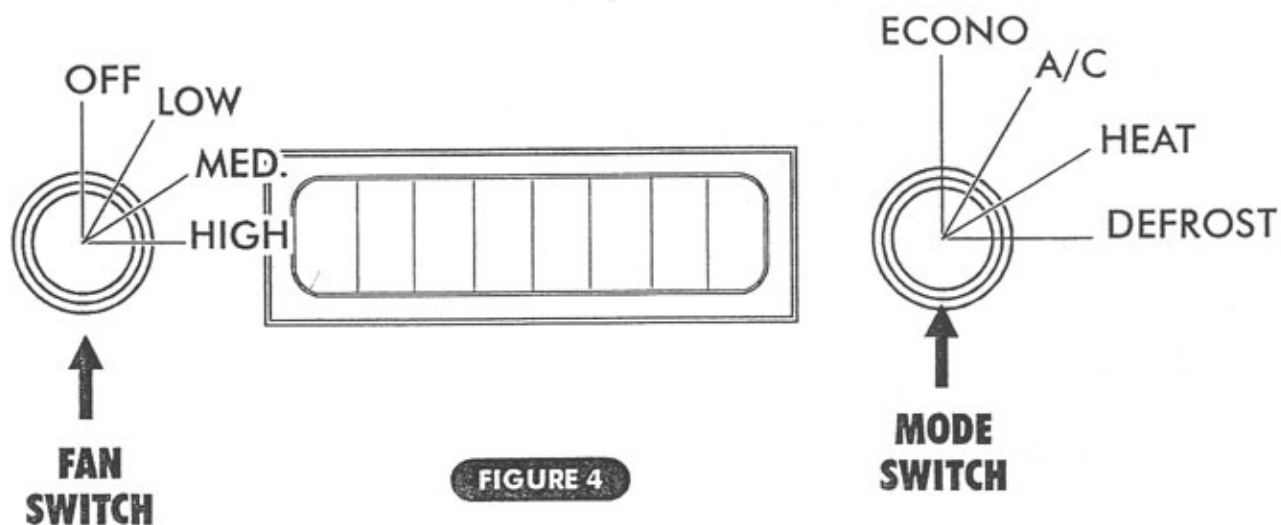
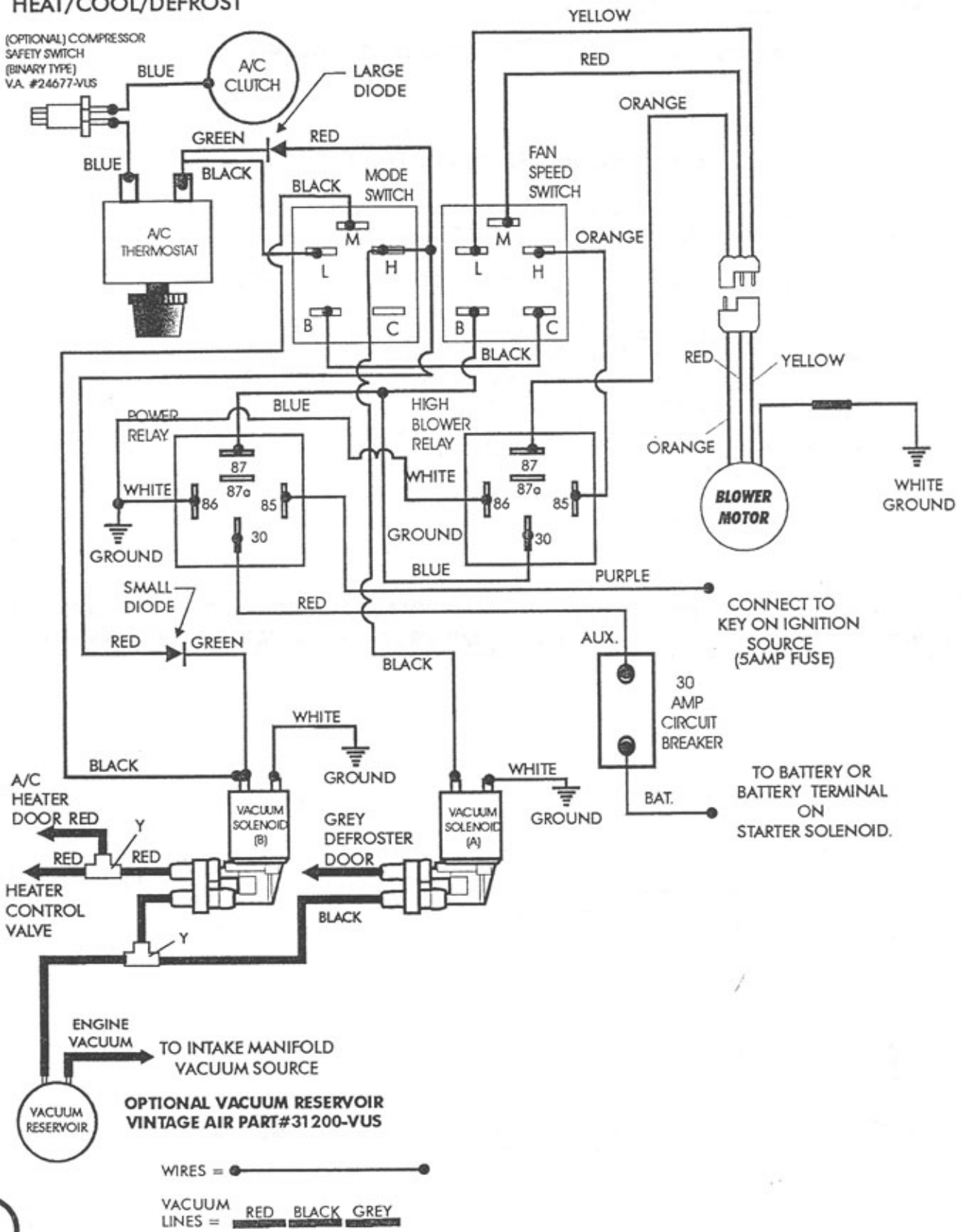
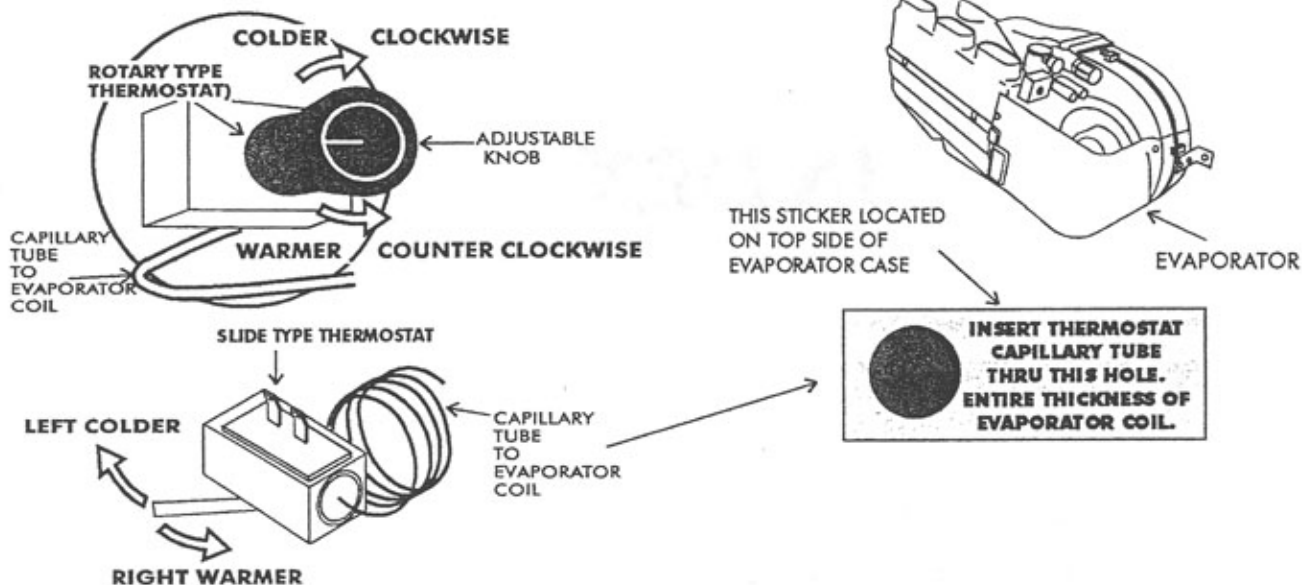


FIGURE 4

**WIRING/VACUUM DIAGRAM
HEAT/COOL/DEFROST**

(OPTIONAL) COMPRESSOR
SAFETY SWITCH
(BINARY TYPE)
V.A. #24677-VUS





AIR CONDITIONING ADJUSTMENTS:

- THE AIR CONDITIONER THERMOSTAT CONTROLS COIL TEMPERATURE. ROTARY TYPE THERMOSTATS ARE SHIPPED ADJUSTED FULLY COLD (CLOCKWISE), IN THE MAJORITY OF CASES THE A/C WILL OPERATE CORRECTLY AS SHIPPED.
- TURNING THE KNOB ON THE **ROTARY TYPE THERMOSTAT** TO THE RIGHT (CLOCKWISE) MAKES THE SYSTEM OPERATE COLDER. MOVING THE LEVER TOWARD COLDER ON THE **SLIDE TYPE THERMOSTAT** MAKES THE SYSTEM OPERATE COLDER. IF THE THERMOSTAT IS SET TOO COLD THE EVAPORATOR COIL WILL "ICE UP"- MEANING, THE EVAPORATOR COIL IS RESTRICTED WITH ICE AND COLD AIR FLOW WILL BE REDUCED.
- TURNING THE KNOB TO THE LEFT (COUNTER CLOCKWISE) ON A **ROTARY TYPE THERMOSTAT** MAKES THE SYSTEM OPERATE WARMER. MOVING THE LEVER TOWARD S THE RED LINES ON A **SLIDE TYPE THERMOSTAT** MAKES THE SYSTEM OPERATE WARMER. THE COMPRESSOR CLUTCH WILL CYCLE OFF FREQUENTLY. THE EVAPORATOR COIL WILL NOT GET AS COLD AND THE AIR TEMPERATURE WILL NOT BE AS COLD.

ADJUSTING A/C THERMOSTAT

- 1.) **SYMPTOM:** THE A/C WORKS WELL AT FIRST THEN QUILTS COOLING. THE AIR FLOW FROM THE VENTS IS LOW, AND THE COMPRESSOR CLUTCH CYCLES INFREQUENTLY.
SOLUTION: THE THERMOSTAT IS SET TOO COLD AND THE EVAPORATOR IS "ICING UP" AND RESTRICTING AIR FLOW. **ALLOW THE ICE TO MELT** AND SET THE **ROTARY TYPE** THERMOSTAT WARMER (COUNTER CLOCKWISE) 1/8 OF A TURN EACH ADJUSTMENT UNTIL THE SYMPTOMS DIMINISH. ADJUST THE **SLIDE TYPE** THERMOSTAT IN 1/8" INCREMENTS TOWARDS THE SMALLER BLUE GRADIENTS, UNTIL THE SYMPTOMS DIMINISH.
- 2.) **SYMPTOM:** A/C NEVER GETS COLD AND THE COMPRESSOR CLUTCH CYCLES FREQUENTLY.
SOLUTION: THE THERMOSTAT IS SET TOO WARM. SET THE **ROTARY TYPE** THERMOSTAT COLDER (CLOCKWISE) 1/8 OF A TURN EACH ADJUSTMENT, UNTIL THE DESIRED AIR TEMPERATURE IS REACHED. ADJUST **SLIDE TYPE** THERMOSTAT IN 1/8" INCREMENTS TOWARDS COLDER UNTIL THE DESIRED AIR TEMP IS REACHED **AVOID SETTING THE THERMOSTAT TOO COLD.**
- 3.) **SYMPTOM:** THE A/C NEVER GETS COLD, SOMETIMES EVEN BLOWS HOT, AND THE A/C COMPRESSOR CLUTCH INFREQUENTLY CYCLES OFF.
SOLUTION: THE HEATER MAY BE ON AT ALL TIMES. **CAREFULLY** FEEL THE HEATER HOSE BETWEEN THE EVAPORATOR AND THE HEATER CONTROL VALVE. THIS HOSE SHOULD NOT BE HOT IN THE A/C MODE. IF THE HOSES ARE HOT
 - A)- THE HEATER CONTROL VALVE MAY BE INSTALLED BACKWARDS. CHECK THE FLOW DIRECTION ARROW ON THE VALVE AGAINST THE ILLUSTRATION IN YOUR INSTALLATION INSTRUCTIONS.
 - B)- IF CABLE OPERATED: THE VALVE MAY BE MISADJUSTED.
 - C)- IF VACUUM OPERATED: IT MAY BE GETTING VACUUM AT ALL TIMES (CHECK ELECTRIC SOLENOID).
 - D)- THE HEATER CONTROL VALVE MAY BE INSTALLED IN THE WRONG HOSE. IT MUST BE INSTALLED IN THE HOSE COMING FROM THE INTAKE MANIFOLD ENGINE COOLANT **PRESSURE PORT.**

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EVAPORATOR KIT PACKING LIST

 EVAPORATOR KIT
 66000-QUZ-A _____
 66000-VUZ-A _____

No.	QTY.	PART No.	DESCRIPTION
1.	1	55294-VUE-A	EVAPORATOR SUBCASE
2.	1	63250-VUE	I K KIT
3.	5	06200-VUE	2" DUCT HOSE
4.	6	06250-VUE	2 1/2" DUCT HOSE
5.	1	63380-VUE	DEFROST DUCTS
6.	1	63525-KUB	EVAPORATOR MTG. KIT
7.	1	_____	CONTROL PANEL w/ WIRING
8.	1	_____	VENTS
		_____	OPTIONAL VENTS
		_____	OPTIONAL VENTS

 CHECKED BY: _____
 PACKED BY: _____
 DATE: _____
