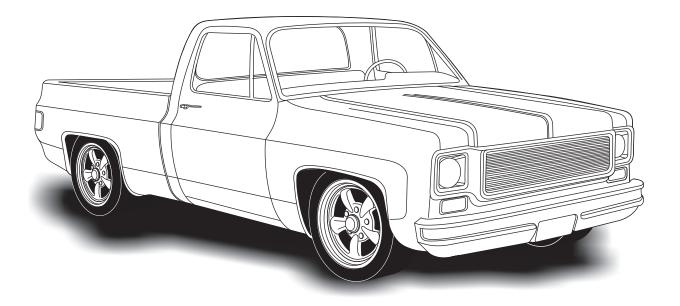


an ISO 9001:2008 Registered Company

1973-80 CHEVROLET PICKUP

WITHOUT FACTORY AIR 751175



18865 GOLL ST. - SAN ANTONIO, TX. - 78266 ph.210-654-7171 - fax 210-654-3113



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EVAPORATOR KIT PACKING LIST

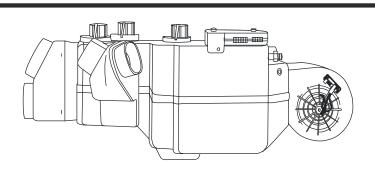
EVAPORATOR KIT 751175

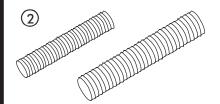
NO.	QTY.	PART NO.	DESCRIPTION
1.	1	744004-VUE	GEN IV 4 VENT EVAP. SUB CASE w/ 204 ECU
2.	1	791175	ACCESSORY KIT 73-80 CHEV P-UP wo AC

^{**} BEFORE BEGINNING INSTALLATION OPEN ALL PACKAGES AND CHECK CONTENTS OF SHIPMENT. PLEASE REPORT ANY SHORTAGES DIRECTLY TO VINTAGE AIR WITHIN 15 DAYS. AFTER 15 DAYS, VINTAGE AIR WILL NOT BE RESPONSIBLE FOR MISSING OR DAMAGED ITEMS.

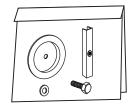
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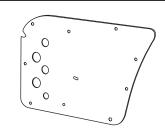
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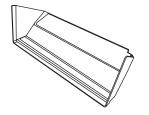






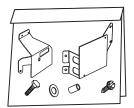


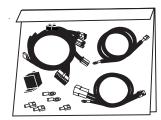


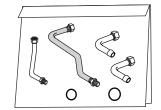


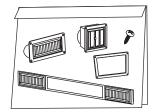












ACCESSORY KIT 791175 NOTE: IMAGES MAY NOT DEPICT ACTUAL PARTS AND QUANTITIES.
REFER TO PACKING LIST FOR ACTUAL PARTS AND QUANTITIES.



Important Notice—Please Read

For Maximum System Performance, Vintage Air Recommends the Following:

Heater Hose (Not Included With This Kit):

Heater hose may be purchased from Vintage Air (Part# 31800-VUD) or your local parts retailer. Routing and required length will vary based on installer preference.

Bolts Passing Through Cowl and/or Firewall:

To ensure a watertight seal between the passenger compartment and the vehicle exterior, for all bolts passing through the cowl and/or firewall, Vintage Air recommends coating the threads with silicone prior to installation.

Safety Switches:

Your Vintage Air system is equipped with a binary pressure safety switch. A binary switch disengages the compressor clutch in cases of extreme low pressure conditions (Refrigerant Loss) or excessively high head pressure (406 PSI) to prevent compressor damage or hose rupture. A trinary switch combines Hi/Lo pressure protection with an electric fan operation signal at 254 PSI, and should be substituted for use with electric fans. Compressor safety switches are extremely important since an A/C system relies on refrigerant to circulate lubricant.

Service Info:

Attention: The following system components are capped: Compressor, evaporator, condenser & drier. Caps may be <u>under pressure with dry nitrogen</u>. Be careful removing caps. Do not remove caps prior to installation. Removing caps prior to installation will cause components to collect moisture and lead to premature failure and reduced performance.

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 \underline{OR} by running the engine with the heater on before evacuating. Leak check and charge to specifications.

Vintage Air Systems Are Designed to Operate With R134a Refrigerant Only! Use of Any Other Refrigerants Is a Fire Hazard and Could Damage Either Your Air Conditioning System or Your Vehicle.

Use of Any Other Refrigerants Will Void All Warranties of the Air Conditioning System and Components. Use of the Proper Type and 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 Capacity for Vintage Air Systems:

(For other systems, consult manufacturer's guidelines)

R134a System

Charge with 1.8 lbs. (1 lb., 12 oz.) of refrigerant.

Lubricant Capacities:

New Vintage Air-supplied Sanden Compressor: No additional oil needed (Compressor is shipped with proper oil charge).

All Other Compressors: Consult manufacturer (Some compressors are shipped dry and will need oil added).



Important Wiring Notice—Please Read

Some Vehicles May Have Had Some or All of Their Radio Interference Capacitors Removed. There Should Be a Capacitor Found At Each of the Following Locations:

- 1. On the positive terminal of the ignition coil.
- 2. If there is a generator, on the armature terminal of the generator.
- 3. If there is a generator, on the battery terminal of the voltage regulator.

Most alternators have a capacitor installed internally to eliminate what is called "whining" as the engine is revved. If whining is heard in the radio, or just to be extra cautious, a radio interference capacitor can be added to the battery terminal of the alternator.

It is also important that the battery lead is in good shape and that the ground leads are not compromised. There should be a heavy ground from the battery to the engine block, and additional grounds to the body and chassis.

If these precautions are not observed, it is possible for voltage spikes to be present on the battery leads. These spikes come from ignition systems, charging systems, and from switching some of the vehicle's other systems on and off. Modern computer-operated equipment can be sensitive to voltage spikes on the power leads, which can cause unexpected resets, strange behavior, and/or permanent damage.

Vintage Air strives to harden our products against these types of electrical noise, but there is a point where a vehicle's electrical system can be degraded so much that nothing can help.

Radio interference capacitors should be available at most auto and truck parts suppliers. They typically are cylindrical in shape, a little over an inch long, a little over a half inch in diameter, and they have a single lead coming from one end of the cylinder with a terminal on the end of the wire, as well as a mounting clip which is screwed into a good ground on the vehicle. The specific value of the capacitance is not too significant in comparison to ignition capacitors that are matched with the coil to reduce pitting of the points.

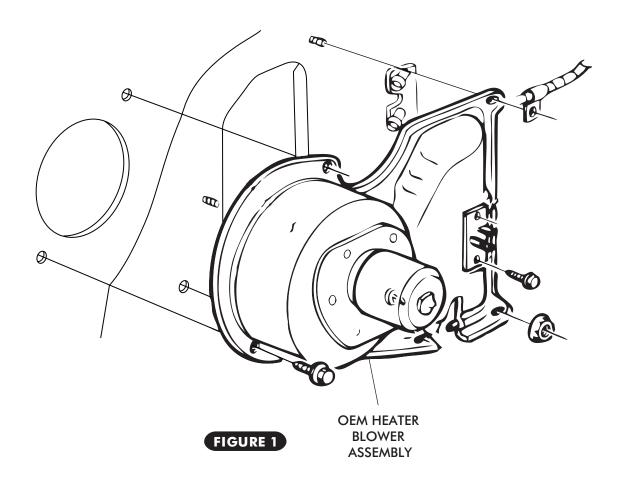
- Care must be taken, when installing the compressor lead, not to short it to ground.
 The compressor lead must not be connected to a condenser fan or to any other
 auxiliary device. Shorting to ground or connecting to a condenser fan or any other
 auxiliary device may damage wiring, the compressor relay, and/or cause a
 malfunction.
- When installing ground leads on Gen IV systems, the blower control ground and ECU ground must be connected directly to the negative battery post.
- For proper system operation, the heater control valve must be connected to the ECU.



REMOVE THE FOLLOWING

ENGINE COMPARTMENT

- ☐ DISCONNECT BATTERY. ☐ DRAIN RADIATOR, REMOVE RADIATOR (RETAIN).
- ☐ HEATER BLOWER ASSEMBLY AND OEM HEATER HOSES (DISCARD).
- **NOTE:** TO REMOVE THE OEM HEATER BLOWER ASSEMBLY (UNDER HOOD) AND THE AIR DISTRIBUTION SYSTEM (UNDER DASH). THE FACTORY MANUAL RECOMMENDS THAT YOU REMOVE RIGHT INNER FENDER FOR ACCESSIBILITY.



CONDENSER ASSEMBLY & INSTALLATION -

REFER TO SEPARATE INSTRUCTIONS INCLUDED WITH THE CONDENSER KIT TO INSTALL THE CONDENSER. ☐ BINARY SWITCH INSTALLATION (REFER TO CONDENSER INSTRUCTIONS).

COMPRESSOR & BRACKETS-

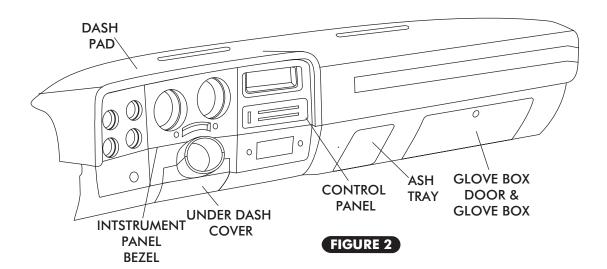
☐ REFER TO SEPARATE INSTRUCTIONS INCLUDED WITH THE BRACKET KIT TO INSTALL THE COMPRESSOR AND BRACKET.

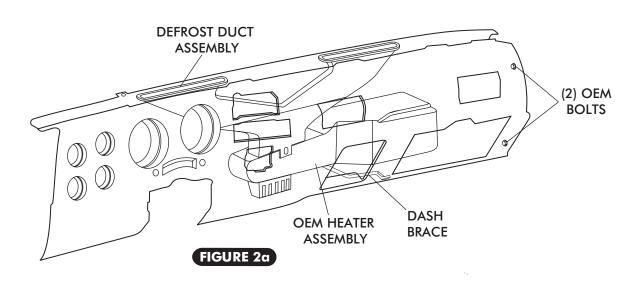


PASSENGER COMPARTMENT-

REMOVE THE FOLLOWING:

- ☐ GLOVE BOX DOOR AND GLOVE BOX ASSEMBLY (RETAIN) (SEE FIGURE 2 BELOW).
- ☐ UNDER DASH STEERING COLUMN COVER (RETAIN) (SEE FIGURE 2).
- ☐ INSTRUMENT PANEL BEZEL (RETAIN).
- ☐ DASH PAD (RETAIN) (SEE FIGURE 2).
- ☐ DISCONNECT ALL WIRES AND CABLES FROM CONTROL PANEL.
- REMOVE CONTROL PANEL (DISCARD). REFER TO CONTROL PANEL CONVERSION KIT INSTRUCTIONS.
- ☐ ASH TRAY (RETAIN).
- ☐ OEM HEATER ASSEMBLY (DISCARD) (SEE FIGURE 2a).
- ☐ DEFROST DUCT ASSEMBLY (DISCARD) (SEE FIGURE 2a).
- □ NOTE: FOR EASE OF INSTALLING EVAPORATOR UNDER DASH, IT MAYBE HELPFUL TO REMOVE THE
 (2) OEM BOLTS UNDER THE DASH ON THE PASSENGER SIDE DOOR PILLAR AND PULL BACK DASH.
- □ NOTE: SOME MODELS MAY BE EQUIPPED WITH DASH BRACE (REMOVE AND RETAIN) (SEE FIGURE 2a).

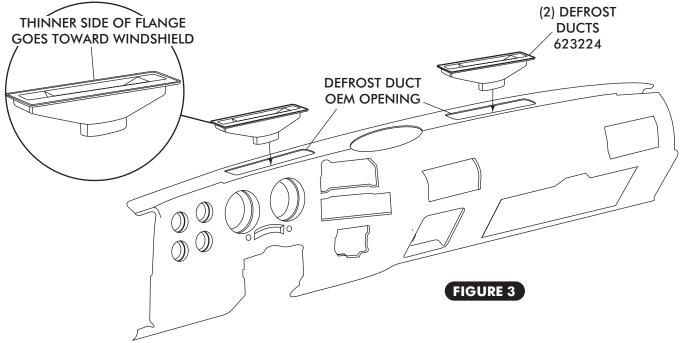






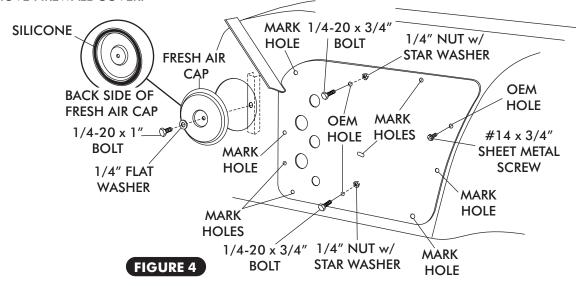
DEFROST DUCT INSTALLATION -

☐ INSTALL DRIVER AND PASSENGER SIDE DEFROST DUCTS AS SHOWN BELOW.



FRESH AIR CAP AND FIREWALL MODIFICATION -

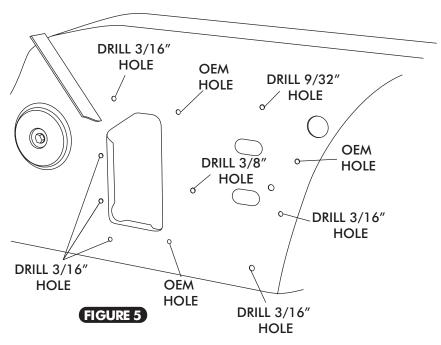
- ☐ APPLY A 1/4" BEAD OF SILICONE AROUND THE BACK SIDE OF THE FRESH AIR CAP AS SHOWN IN FIGURE 4, BELOW.
- ☐ ATTACH FRESH AIR CAP TO FIREWALL USING A 1/4-20 x 1" BOLT AND WASHER. SEE FIGURE 4 BELOW.
- \Box PLACE FIREWALL COVER ON FIREWALL AND SECURE USING #14 x 3/4" SHEET METAL SCREW AND (2) 1/4-20 x 3/4" HEX BOLTS w/ 1/4" NUT w/ STAR WASHER AS SHOWN BELOW.
- ☐ USING FIREWALL COVER AS TEMPLATE, MARK THE HOLES ON FIREWALL AS SHOWN BELOW.
- ☐ REMOVE FIREWALL COVER.





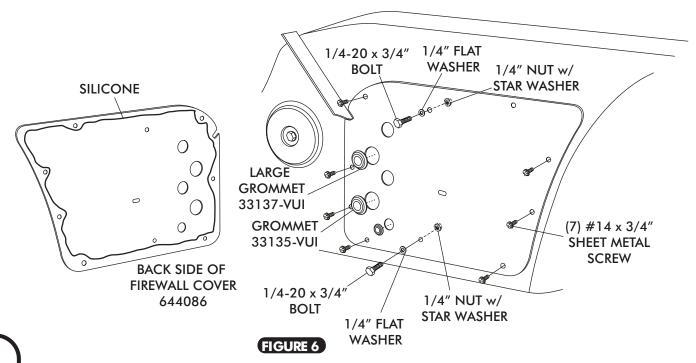
FIREWALL MODIFICATION CONT. -

☐ DRILL HOLES AS SHOWN BELOW IN FIGURE 5.



FIREWALL COVER INSTALLATION -

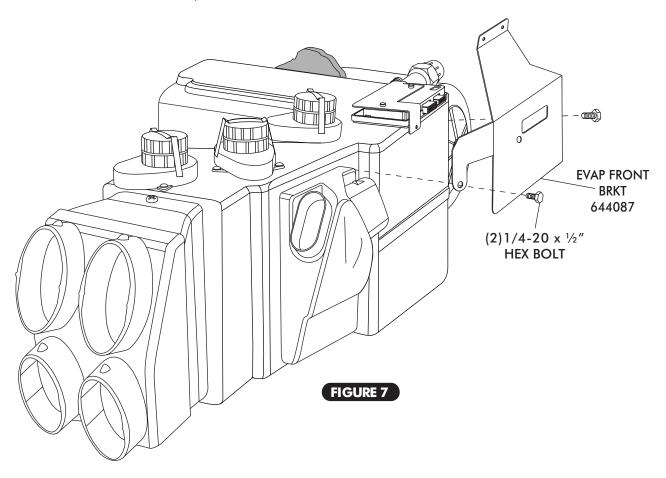
- ☐ APPLY A 1/4" BEAD OF SILICONE AROUND THE BACK SIDE OF THE FIREWALL COVER AS SHOWN BELOW.
- ☐ INSTALL FIREWALL COVER TO FIREWALL USING 1/4-20 x 3/4" HEX BOLT, 1/4" FLAT WASHER, 1/4" NUT w/ STAR WASHER AND (7) #14 x 3/4" SHEET METAL SCREWS AS SHOWN BELOW.
- ☐ INSTALL GROMMETS AS SHOWN BELOW.





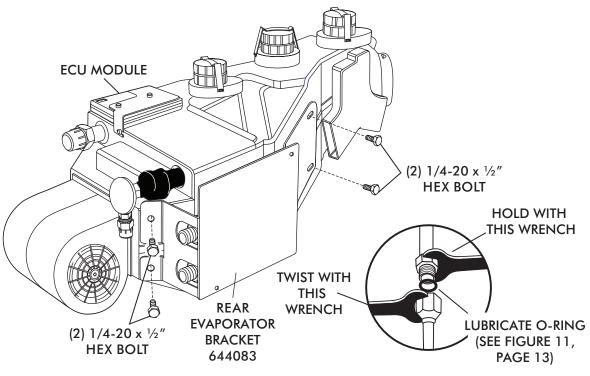
BRACKET & EVAPORATOR HARDLINE INSTALLATION —

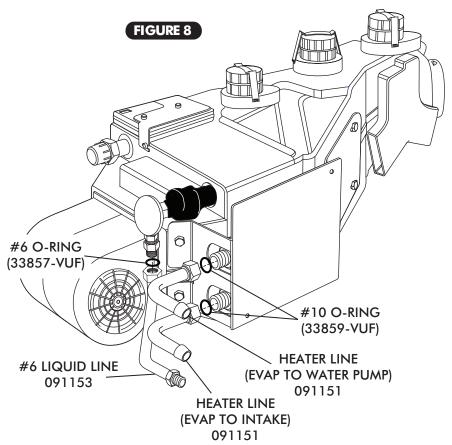
- \Box ON A WORK BENCH, INSTALL EVAPORATOR REAR BRACKET USING (4) 1/4-20 x 1/2" HEX BOLTS (SEE FIGURE 8, PAGE 11).
- ☐ INSTALL #6 EVAP HARDLINE AND (2) HEATER HARDLINES WITH PROPERLY LUBRICATED O-RINGS. (SEE FIGURE 8, PAGE 11 AND FIGURE 11, PAGE 13).
- ☐ INSTALL EVAPORATOR FRONT BRACKET ON EVAPORATOR USING (2)1/4-20 x 1/2" HEX BOLTS AND TIGHTEN AS SHOWN IN FIGURE 7, BELOW.





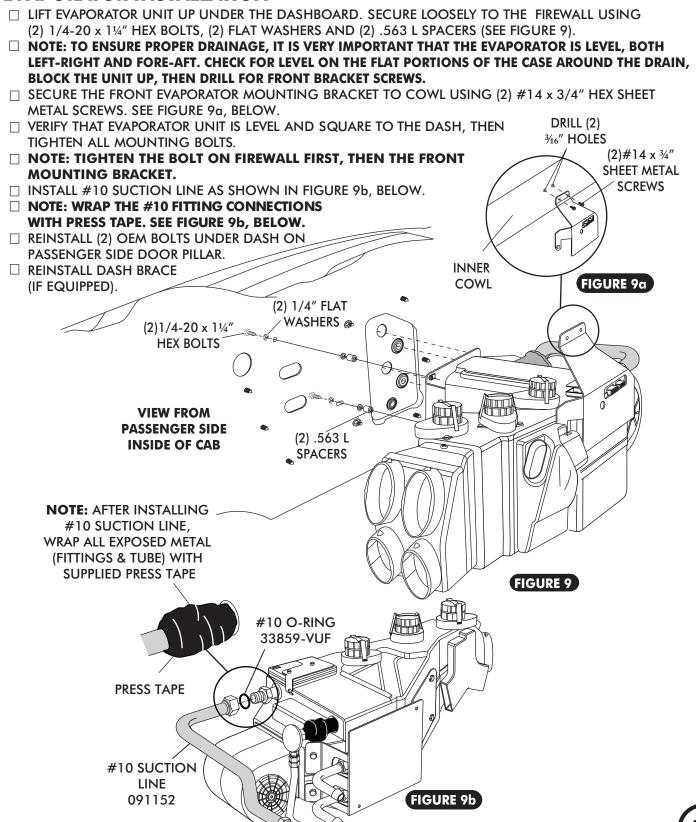
BRACKET & EVAPORATOR HARDLINE INSTALLATION CONT. -







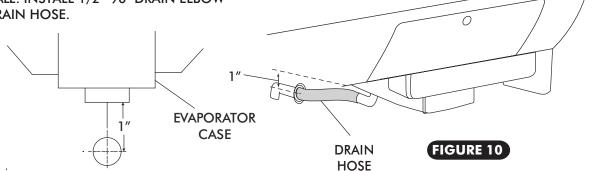
EVAPORATOR INSTALLATION



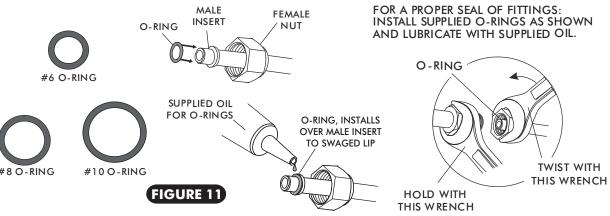


DRAIN HOSE INSTALLATION

- ☐ LOCATE EVAPORATOR DRAIN ON BOTTOM OF EVAPORATOR CASE.
- □ IN LINE WITH DRAIN, LIGHTLY MAKE A MARK ON THE FIREWALL. MEASURE 1" DOWN AND DRILL A 5/8" HOLE THROUGH THE FIREWALL.
- ☐ INSTALL DRAIN HOSE TO BOTTOM OF EVAPORATOR UNIT AND ROUTE THROUGH FIREWALL. INSTALL 1/2" 90° DRAIN ELBOW ON DRAIN HOSE.



LUBRICATING O-RINGS



A/C HOSE INSTALLATION STANDARD HOSE KIT

- LOCATE THE #8 COMPRESSOR A/C HOSE. LUBRICATE (2) #8 O-RINGS (SEE FIGURE 11, ABOVE) AND CONNECT THE 90° FEMALE FITTING TO THE #8 DISCHARGE PORT ON THE COMPRESSOR. ROUTE THE STRAIGHT FEMALE FITTING w/ 134α SERVICE PORT TO THE #8 CONDENSER HARDLINE COMING THROUGH CORE SUPPORT. SEE FIGURE 13, PAGE 15. TIGHTEN EACH FITTING CONNECTION AS SHOWN.
- □ LOCATE THE #10 COMPRESSOR A/C HOSE. LUBRICATE (2) #10 O-RINGS (SEE FIGURE 11, ABOVE) AND CONNECT THE #10 135° FEMALE FITTING w/134a SERVICE PORT TO THE #10 SUCTION PORT ON THE COMPRESSOR. ROUTE THE STRAIGHT FEMALE FITTING TO THE #10 EVAPORATOR. SEE FIGURE 12, PAGE 14 AND FIGURE 13, PAGE 15. TIGHTEN EACH FITTING CONNECTION AS SHOWN.
- ☐ INSTALL #6 A/C LIQUID LINE AS SHOWN IN FIGURE 13, PAGE 15.

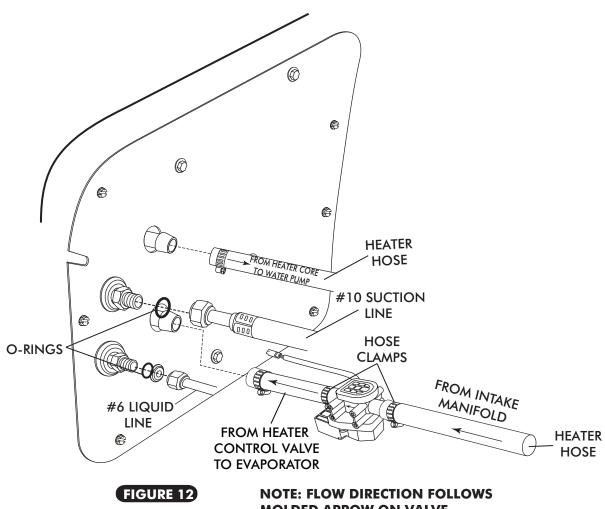
MODIFIED A/C HOSE KIT —

REFER TO SEPARATE INSTRUCTIONS INCLUDED WITH MODIFIED HOSE KIT.

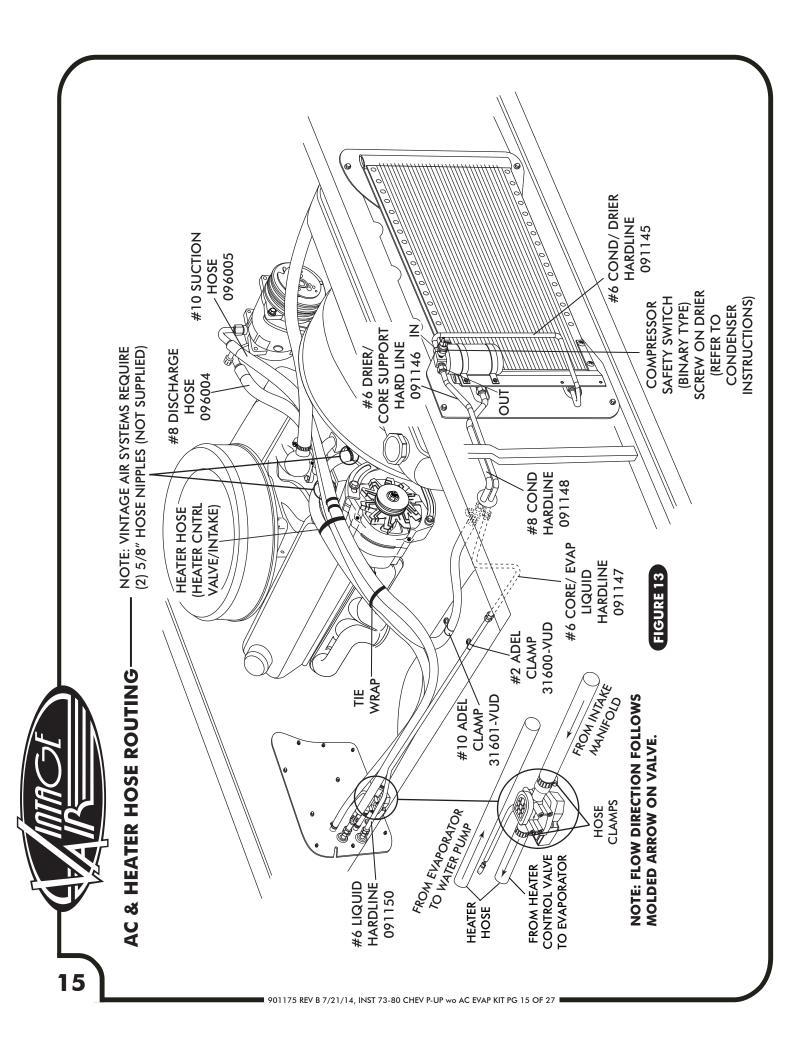


HEATER HOSE & HEATER CONTROL VALVE INSTALLATION -

- ☐ ROUTE HEATER HOSE FROM WATER PUMP TO THE HEATER LINE COMING THROUGH THE FIREWALL AS SHOWN IN FIGURE 12, BELOW. SECURE USING HOSE CLAMPS. NOTE: A SMALL AMOUNT OF SILICONE SPRAY WILL EASE HEATER HOSE INSTALLATION.
- ☐ ROUTE HEATER HOSE FROM THE INTAKE TO THE HEATER LINE COMING THROUGH THE FIREWALL AS SHOWN BELOW. NOTE: INSTALL HEATER CONTROL VALVE IN LINE WITH INTAKE MANIFOLD (PRESSURE SIDE) HEATER HOSE. SECURE USING HOSE CLAMPS AS SHOWN. NOTE PROPER FLOW DIRECTION.
- HOSE SHOULD PROTRUDE THROUGH THE FIREWALL COVER SLIGHTLY TO CLOSE THE GAP BETWEEN THE ALUMINUM LINE AND THE FIREWALL COVER. SEAL ANY REMAINING GAP WITH RTV SILICONE.



MOLDED ARROW ON VALVE.





PASSENGER SIDE LOUVER DASH PANEL INSTALLATION -

- ☐ REMOVE PASSENGER SIDE DASH TRIM FROM DASH PAD (SEE FIGURE 14).
- \square INSTALL PASSENGER SIDE LOUVER DASH PANEL USING (8) #4 x 1/2" SCREWS (SEE FIGURE 14).

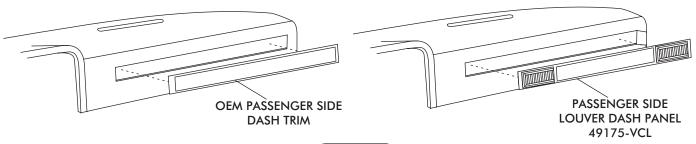
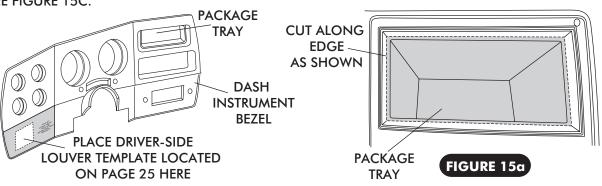
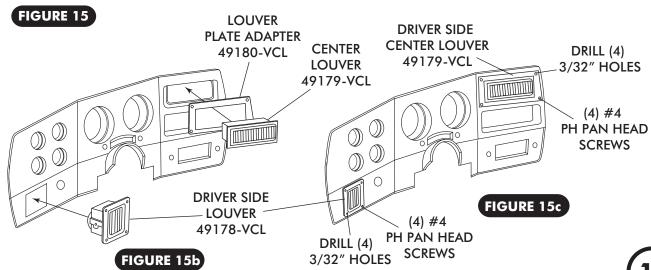


FIGURE 14

DRIVER SIDE/ CENTER LOUVER INSTALLATION -

- USING DRIVER SIDE LOUVER TEMPLATE PROVIDED ON PAGE 25, MARK AND CUT INSTRUMENT PANEL BEZEL AS SHOWN IN FIGURE 15, BELOW.
- □ CUT AND REMOVE PACKAGE TRAY AS SHOWN IN FIGURE 15a.
- ☐ INSTALL DRIVER SIDE LOUVER AND CENTER LOUVER AS SHOWN IN FIGURE 15b.
- ☐ DRILL (4) 3/32" HOLES IN DRIVER SIDE LOUVER AND SECURE USING (4) #4 PH PAN HEAD SCREWS. SEE FIGURE 15C.
- ☐ DRILL (4) 3/32" HOLES IN DRIVER SIDE CENTER LOUVER AND SECURE USING (4) #4 PH PAN HEAD SCREWS. SEE FIGURE 15C.







FINAL STEPS

	INSTALL DUCT HOSES AS SHOWN IN FIGURE 18, PAGE 19.
	ROUTE A/C WIRES THROUGH 3/8" GROMMET AS SHOWN ON FIGURE 16
	(12 VOLT/GROUND/BINARY SWITCH/HEATER VALVE).
	INSTALL CONTROL PANEL ASM.
	PLUG THE WIRING HARNESS INTO THE ECU MODULE ON SUB CASE AS SHOWN IN FIGURE 18, PAGE 19
	(WIRE ACCORDING TO WIRING DIAGRAM ON PAGE 20 AND 21).
	MODIFY GLOVE BOX AS SHOWN ON PAGE 18.
	REINSTALL GLOVE BOX.
	REINSTALL ALL PREVIOUSLY REMOVED ITEMS, INNER FENDER.
	FILL RADIATOR WITH AT LEAST A 50/50 MIXTURE OF APPROVED ANTIFREEZE AND DISTILLED WATER. IT IS THE
	OWNER'S RESPONSIBILITY TO KEEP THE FREEZE PROTECTION AT THE PROPER LEVEL FOR THE CLIMATE IN
	WHICH THE VEHICLE IS OPERATED. FAILURE TO FOLLOW ANTIFREEZE RECOMMENDATIONS WILL CAUSE
	HEATER CORE TO CORRODE PREMATURELY AND POSSIBLY BURST IN A/C MODE AND/OR FREEZING WEATHER,
	VOIDING YOUR WARRANTY.
	DOUBLE CHECK ALL FITTINGS, BRACKETS AND BELTS FOR TIGHTNESS.
$\overline{\Box}$	VINTAGE AIR RECOMMENDS THAT ALL A/C SYSTEMS BE SERVICED BY A CERTIFIED AUTOMOTIVE AIR

CONDITIONING TECHNICIAN.

EVACUATE THE SYSTEM FOR A MINIMUM OF 45 MINUTES PRIOR TO CHARGING, AND LEAK CHECK PRIOR TO SERVICING.

☐ CHARGE THE SYSTEM TO THE CAPACITIES STATED ON THE INFORMATION PAGE (PAGE 4) OF THIS INSTRUCTION MANUAL.

☐ SEE OPERATION OF CONTROLS PROCEDURES PAGE 22.

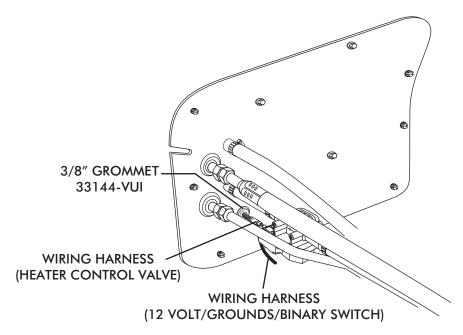
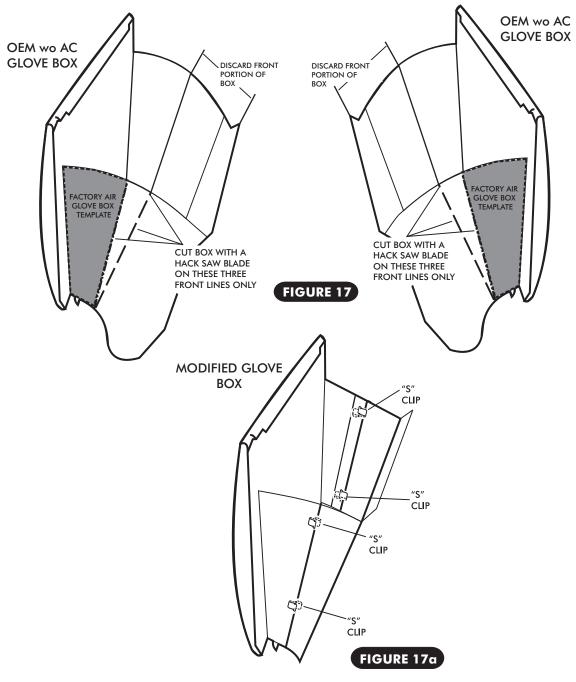


FIGURE 16



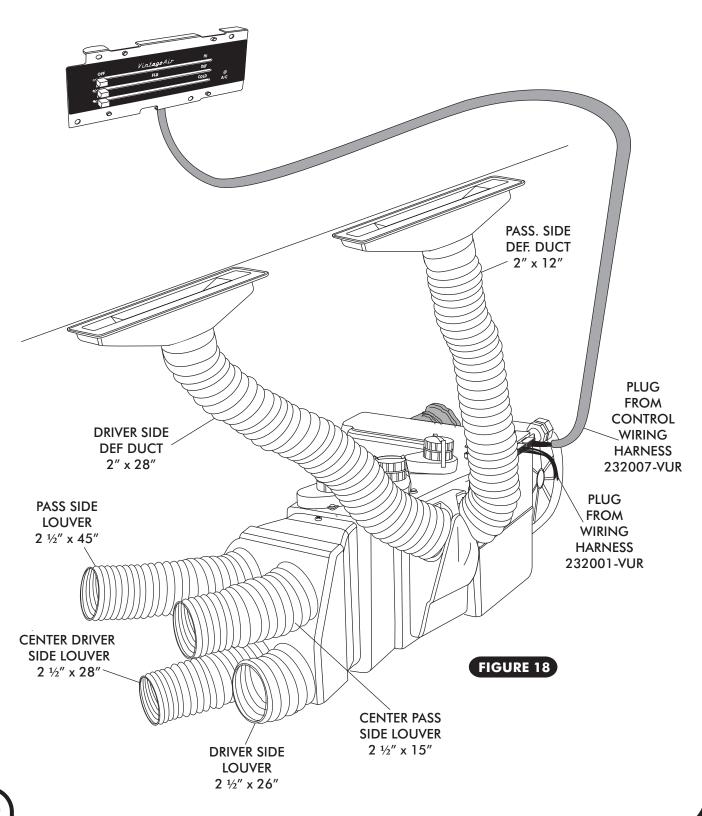
GLOVE BOX MODIFICATION -

- ☐ USE GLOVE BOX MODIFICATION TEMPLATE PROVIDED ON PAGE 26.
- ☐ PLACE TEMPLATE ON THE OUTSIDE OF THE GLOVE BOX. MARK THE OUTSIDE OF THE GLOVE BOX ALONG THE FRONT OF THE TEMPLATE AS SHOWN IN FIGURE 17, BELOW.
- ☐ PLACE THE SAME TEMPLATE ON THE OUTSIDE OF THE GLOVE BOX ON THE OPPOSITE SIDE. MARK THE OUTSIDE OF THE GLOVE BOX ALONG THE FRONT OF THE TEMPLATE AS SHOWN BELOW.
- ☐ MARK THE BOTTOM OF THE BOX CONNECTING EACH END OF TEMPLATE.
- ☐ CUT THE BOX ON THE LINES YOU HAVE MARKED. DISCARD THE FRONT PORTION OF THE BOX.
- $\ \square$ INSTALL THE NEW SUPPLIED GLOVE BOX BY PRESSING THE S-CLIPS ONTO THE OEM PORTION OF THE BOX AS SHOWN IN FIGURE 17 α , BELOW.



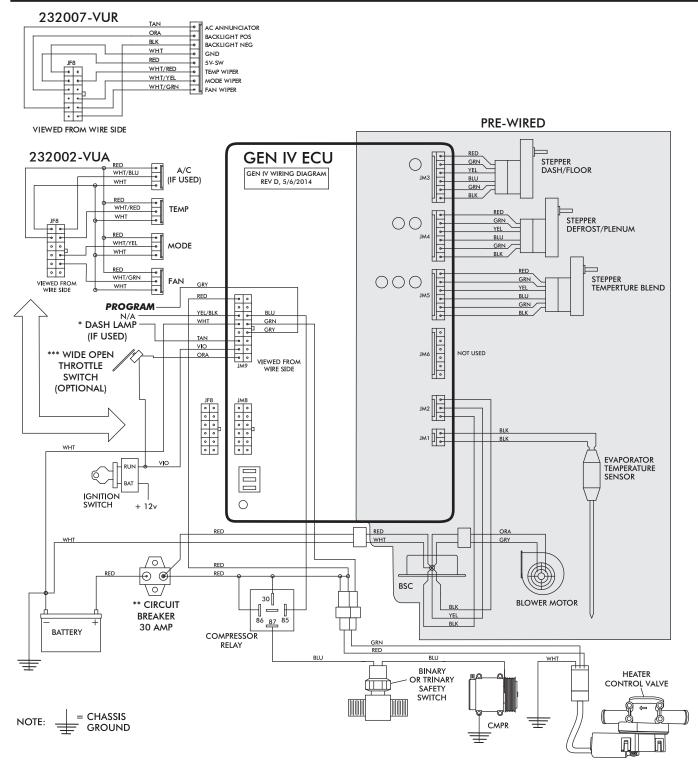


CONTROL PANEL & DUCT HOSE ROUTING-





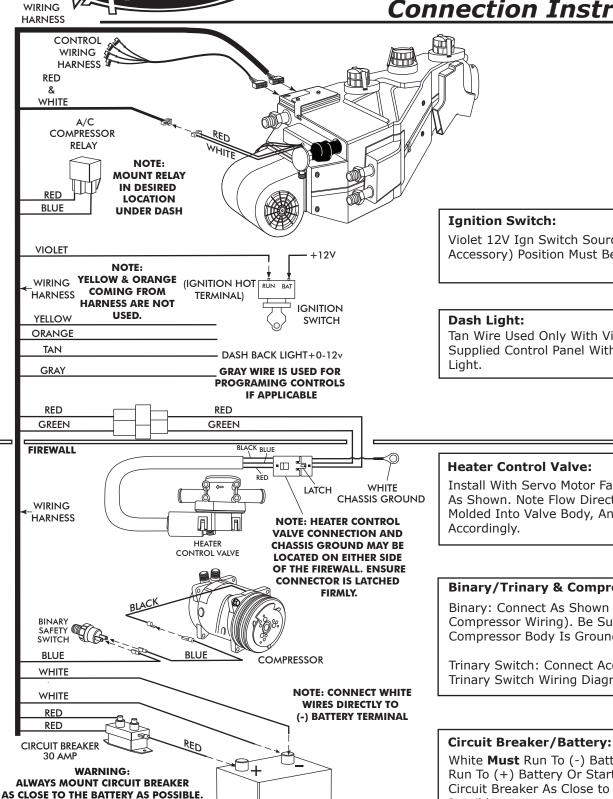
Wiring Diagram



- Dash Lamp Is Used Only With Type 232007-VUR Harness.
- Warning: Always Mount Circuit Breaker As Close to the Battery As Possible. (NOTE: Wire Between Battery and Circuit Breaker Is Unprotected and Should Be Carefully Routed to Avoid a Short Circuit).
- Wide Open Throttle Switch Contacts Close Only at Full Throttle, Which Disables A/C Compressor.



Gen IV Wiring **Connection Instruction**



Violet 12V Ign Switch Source (Key On Accessory) Position Must Be Switched.

Tan Wire Used Only With Vintage Air Supplied Control Panel With LED Back

Install With Servo Motor Facing Down, As Shown, Note Flow Direction Arrow Molded Into Valve Body, And Install

Binary/Trinary & Compressor:

Binary: Connect As Shown (Typical Compressor Wiring). Be Sure Compressor Body Is Grounded.

Trinary Switch: Connect According To Trinary Switch Wiring Diagram.

White **Must** Run To (-) Battery. Red May Run To (+) Battery Or Starter. Mount Circuit Breaker As Close to Battery As Possible.

(NOTE: WIRE BETWEEN BATTERY AND **CIRCUIT BREAKER IS UNPROTECTED** AND SHOULD BE CAREFULLY ROUTED TO AVOID A SHORT CIRCUIT).

BATTERY



OPERATION OF CONTROLS

NOTE: WHEN BATTERY POWER IS FIRST CONNECTED TO THE ECU, THE MICRO PROCESSOR GOES THROUGH AN INITIALIZATION SEQUENCE.THIS INITIALIZATION MAY TAKE UP TO 30 SECONDS. DURING INITIALIZATION THE BLOWER WILL NOT OPERATE, BUT THE DOORS INSIDE THE UNIT WILL BE OPERATING. A LOW BATTERY OR DISCONNECTING THE BATTERY MAY ALSO TRIGGER A RE-INITIALIZATION. DURING START UP, A LOW BATTERY MAY DROP BELOW 7 VOLTS, TRIGGERING RE-INITIALIZATION.

AC MODE



BLOWER SPEED

ADJUST TO DESIRED SPEED

MODE LEVER

SLIDE THE LEVER TO THE LEFT POSITION

TEMPERATURE LEVER

TEMPERATURE

LEVER

IN A/C MODE SLIDE THE TEMPERATURE LEVER ALL THE WAY TO THE RIGHT TO ENGAGE COMPRESSOR. (SLIDE LEVER LEFT OR RIGHT TO ADJUST DESIRED TEMPERATURE)

HEAT MODE



BLOWER SPEED

ADJUST TO DESIRED

SPEED

TEMPERATURE LEVER

SLIDE THE TEMPERATURE LEVER ALL THE WAY LEFT TO THE HOT POSITION.

MODE LEVER TO (S

SLIDE THE LEVER TO (SLIDE LEVER LEFT OR RIGHT THE CENTER POSITION TO DESIRED TEMPERATURE)

DEFROST/ DE-FOG MODE



BLOWER SPEED

ADJUST TO DESIRED SPEED

MODE LEVER

SLIDE THE LEVER TO THE RIGHT POSITION

TEMPERATURE LEVER

ADJUST LEVER TO
DESIRED TEMPERATURE.
(COMPRESSOR IS
AUTOMATICALLY
ENGAGED)

	Condition	Checks	Actions	Notes
1a.		Check for damaged pins or wires in control head plug.	Verify that all pins are inserted into plug. Ensure that no pins are bent or damaged in ECU.	
Blower stays on high speed when	No other functions work.	Check for damaged ground wire (white) in control head harness.	Verify continuity to chassis ground with white control head wire at various points.	Loss of ground on this wire ▶ renders control head inoperable.
ignición is on.	All other functions work.	Check for damaged blower switch or potentiometer and associated wiring.		See blower switch check procedure.
1b.	\	Unplug 3-wire BSC control connector from ECU. If blower shirts off FCI is either	Be sure the small, 20 GA white ground wire is connected to the battery ground post. If it is, replace the ECU.	
Blower stays on high speed when ignition is on or off.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	improperly wired or damaged. Unplug 3-wire BSC control	Check to ensure that no BSC wiring is damaged or shorted to vehicle ground. The BSC operates the blower by ground side pulse width modulation switching. The positive wire to the blower will always be hot. If the "ground" side of the blower is shorted to chassis ground, the blower will run on HI	
		 connector from ECU. If blower stays running, BSC is either improperly wired or damaged. 	Replace BSC (This will require removal of evaporator from vehicle).	No other part replacements should be necessary.
5	System is not charged.	System must be charged for compressor to engage.	→ Charge system or bypass pressure switch.	Danger: Never bypass safety switch with engine running. Serious injury can result.
Compressor will not turn on (All other functions work).	System is charged.	Check for faulty A/C potentiometer or associated wiring (Not applicable to 3-pot controls).	Check continuity to ground on white control head wire.	To check for proper pot function, check voltage at white/blue wire. Voltage should be between 0V and 5V, and will vary with pot lever position.
		Check for disconnected or faulty thermistor.	→ Check 2-pin connector at ECU housing.	Disconnected or faulty thermistor will cause compressor to be disabled.
3. Compressor will not turn off (All other functions	SI	Check for faulty A/C → potentiometer or associated wiring.	→ Repair or replace pot/control wiring.	Red wire at A/C pot should have approximately 5V with ignition on. White wire will have continuity to chassis ground. White/
work).		→ Check for faulty A/C relay.	➤ Replace relay.	Blue wire should vary between 0V and 5V when lever is moved up or down.

Guide

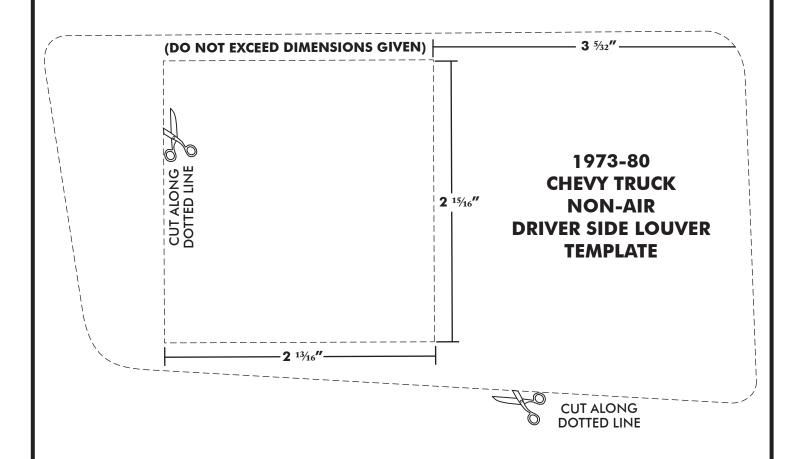


Troubleshooting Guide (Cont.)

Symptom	Condition	Checks	Actions	Notes
4.	e is not when in IV,	Noise interference from either ignition or alternator.	Install capacitors on ignition coil and alternator. Ensure good ground at all points. Relocate coil and associated ⇒ wiring away from ECU and ECU wiring. Check for burned or loose plug wires.	Ignition noise (radiated or conducted) will cause the system to shut down due to high voltage spikes. If this is suspected, check with a quality oscilloscope. Spikes
System will not turn on, or runs intermittently.	put possible on all versions).	Verify connections on power lead, ignition lead, and both white ground wires.	Check for positive power at heater valve green wire and blower red wire. Check for ground on control head white wire.	quanty occursory. Spinos greater than 16V will shut down the ECU. Install a radio capacitor at the positive post of the ignition coil (See radio capacitor
175 REV B 7/21/	any conditions.	Verify battery voltage is greater than 10 volts and less than 16.	Verify proper meter function by checking the condition of a known good battery.	installation bulletin). A faulty alternator or worn out battery can also result in this condition.
14, INST 73-80 Linction.	No mode change at all.	Check for damaged mode > switch or potentiometer and associated wiring.		Typically caused by evaporator housing installed in a bind in the yehicle. Be sure all
CHEV P-UP w	Partial function of mode doors.	binding mode doors. Check for damaged stepper motor or wiring.		mounting locations line up and don't have to be forced into position.
6. Blower turns on and off rapidly.	Battery voltage is at least 12V. Battery voltage is less than 12V.	Check for at least 12V at circuit breaker. Check for faulty battery or alternator.	Ensure all system grounds and power connections are clean and tight.	System shuts off blower at 10V. Poor connections or weak battery can cause shutdown at up to 11V.
DE Tratic functions of blower, mode, temp, etc.		Check for damaged switch or pot and associated wiring.	→ Repair or replace.	
When ignition is turned on, blower momentarily comes on, then shuts off. This occurs with the blower switch in the OFF position.		This is an indicator that the system has been reset. Be sure the red power wire is on the battery post, and not on a switched source. Also, if the system is pulled below 7V for even a split second, the system will reset.	→ Run red power wire directly to battery.	



DRIVER SIDE LOUVER TEMPLATE





GLOVE BOX MODIFICATION TEMPLATE -

73-87 CHEV P-UP GLOVE BOX MODIFICATION TEMPLATE

CUT ALONG DOTTED LINE



EVAPORATOR KIT PACKING LIST

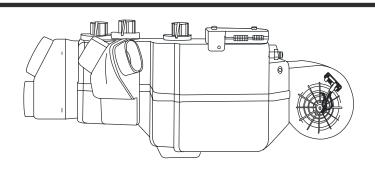
EVAPORATOR KIT 751175

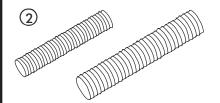
NO.	QTY.	PART NO.	DESCRIPTION	
1.	1	744004-VUE	GEN IV 4 VENT EVAP. SUB CASE w/ 204 ECU	
2.	1	791175	ACCESSORY KIT 73-80 CHEV P-UP wo AC	

CHECK BY: ______
PACKED BY: _____
DATE: ____

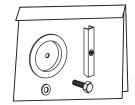
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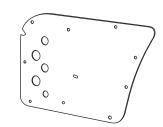
GEN IV 4 VENT EVAP SUB CASE w/204 ECU 744004-VUE

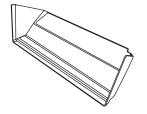




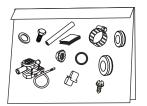


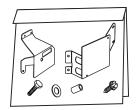




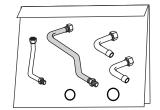


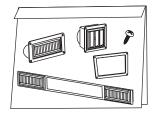












ACCESSORY KIT 791175 NOTE: IMAGES MAY NOT DEPICT ACTUAL PARTS AND QUANTITIES.
REFER TO PACKING LIST FOR ACTUAL PARTS AND QUANTITIES.