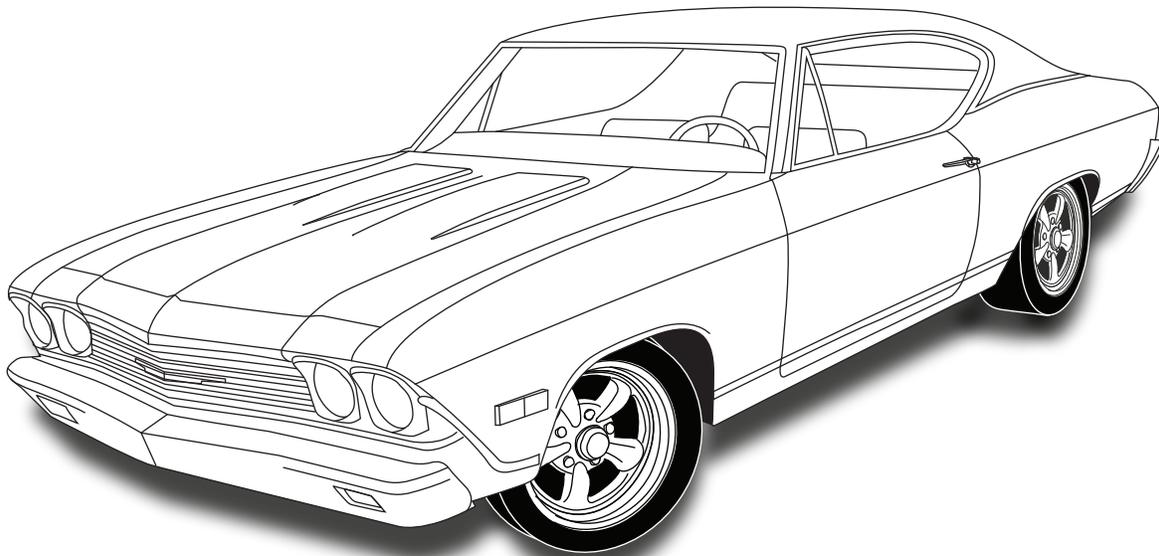




an ISO 9001:2008 Registered Company

1968-69 Chevrolet Chevelle

with **Factory Air
Evaporator Kit
(564471)**



18865 Goll St. San Antonio, TX 78266
Phone: 210-654-7171
Fax: 210-654-3113
www.vintageair.com



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Table of Contents

Thank you for purchasing this evaporator kit from Vintage Air. When installing these components as part of a complete SureFit™ system, Vintage Air recommends working from front to back on the vehicle, installing the condenser kit, hose kit, and compressor first, followed by the wiring, evaporator, and finally the control panel.

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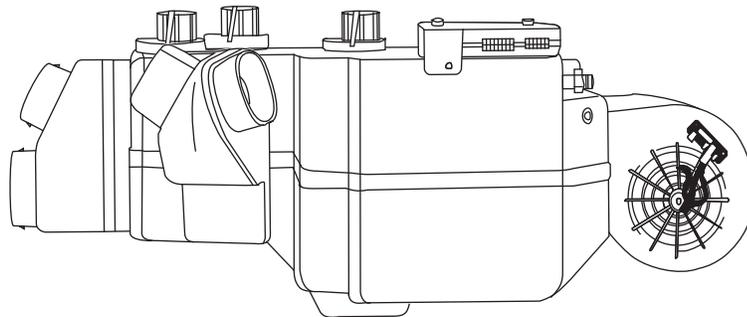
Packing List: Evaporator Kit (564471)

No.	Qty.	Part No.	Description
1.	1	762169	Gen IV Evaporator Sub Case, 4-Vent with 2" & 2 1/2"
2.	1	784166	Accessory Kit, 1968-69 Chevrolet Chevelle with Factory Air

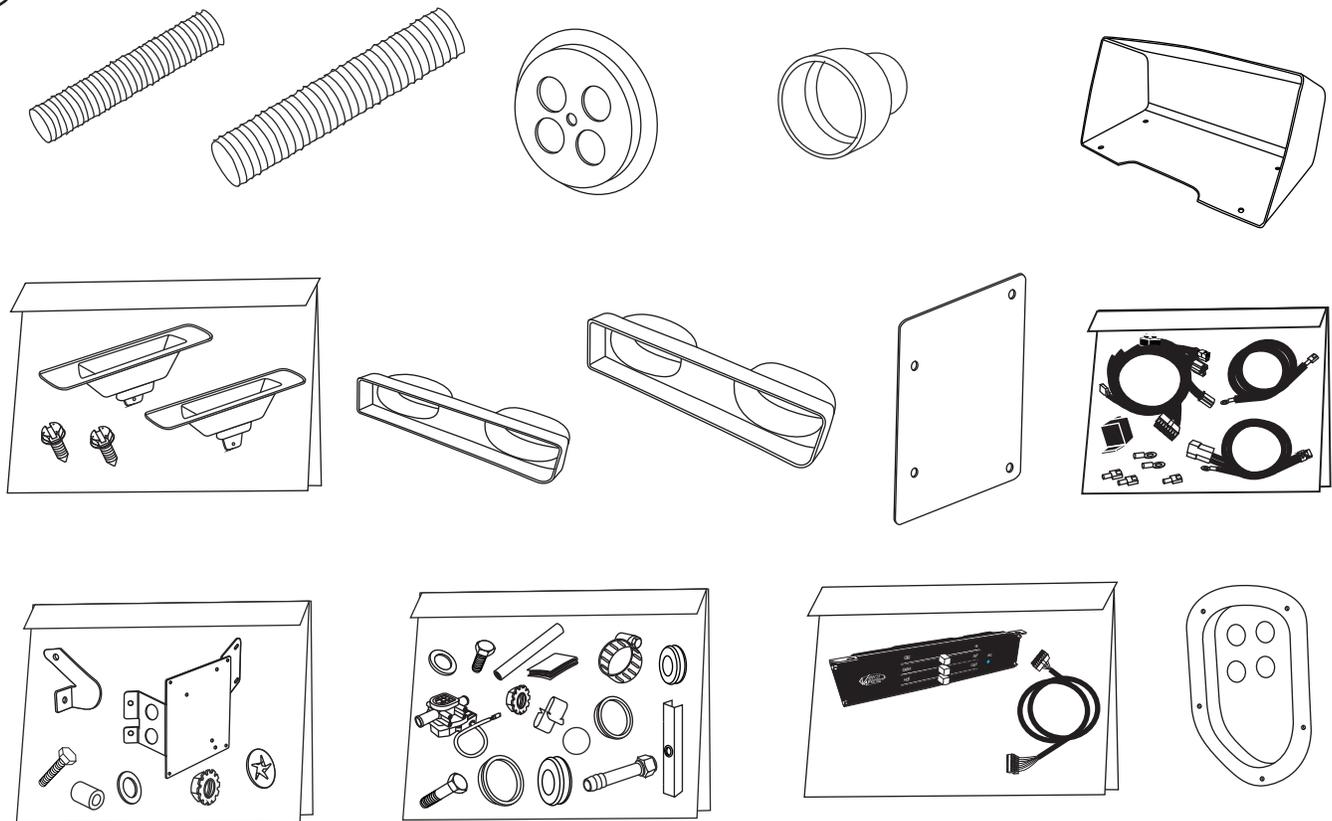
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**

1

**Gen IV Evaporator
Sub Case 4-Vent
w/ 2" & 2 1/2"
762169**



2



**Accessory Kit
784166**

NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.



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Important Notice—Please Read

For Maximum System Performance, Vintage Air Recommends the Following:

NOTE: Vintage Air systems are designed to operate with R134a refrigerant only. Use of any other refrigerant could damage your A/C system and/or vehicle, and possibly cause a fire, in addition to potentially voiding the warranties of the A/C system and its components.

Refrigerant Capacities:

Vintage Air System: 1.8 lbs. (1 lb., 12 oz.) of R134a, charged by weight with a quality charging station or scale. **NOTE:** Use of the proper type and amount of refrigerant is critical to system operation and performance.

Other Systems: Consult manufacturer's guidelines.

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).

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:

Protect Your Investment: Prior to assembly, it is critical that the compressor, evaporator, A/C hoses and fittings, hardlines, condenser and receiver/drier remained capped. Removing caps prior to assembly will allow moisture, insects and debris into the components, possibly leading to reduced performance and/or premature failure of your A/C system. This is especially important with the receiver/drier.

Additionally, when caps are removed for assembly, **BE CAREFUL!** Some components are shipped under pressure with dry nitrogen.

Evacuate the System for 35-45 Minutes: Ensure that system components (Drier, compressor, evaporator and condenser) are 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.

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.

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.



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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.



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Engine Compartment Disassembly

NOTE: Before starting the installation, check the function of the vehicle (horn, lights, etc.) for proper operation, and study the instructions, illustrations, & diagrams.

Perform the Following:

1. Disconnect battery.
2. Remove battery and battery tray (retain).
3. Drain radiator.
4. Evacuate the A/C system if necessary.
5. Remove the OEM condenser and drier (discard) (See Figure 1, below).
6. Remove OEM A/C lines from compressor to evaporator (discard) (See Figure 1, below).
7. Remove OEM compressor and bracket (discard) (See Figure 1, below).
8. Remove evaporator blower assembly (discard). **NOTE: To remove the evaporator and blower assembly (under hood) and the air distribution system (under dash), the factory manual recommends removing the passenger side inner fender.**
9. Remove OEM heater hoses, A/C hoses, hardlines and drier (discard) (See Figure 1, below).
10. Remove A/C and heater wiring/vacuum harness molded grommet (See Figure 1, below).
11. Install a 1 3/4" plug in the firewall as shown in Figure 1, below.

NOTE: On 1968 models only, once the battery is removed, remove A/C hoses and grommet from beside the battery tray (Retain the (4) OEM grommet mounting screws).

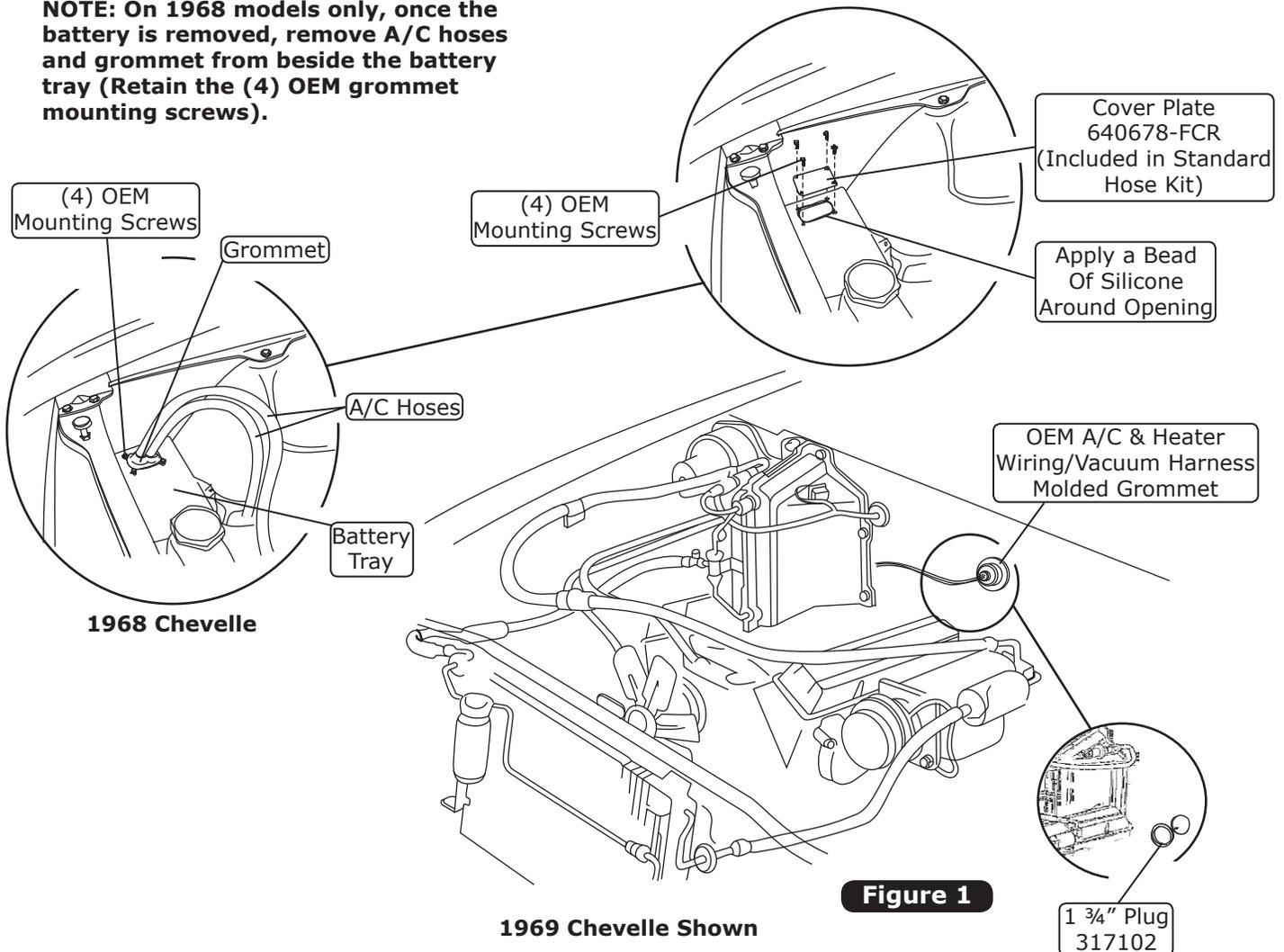


Figure 1

1969 Chevelle Shown



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Condenser Assembly and Installation

1. Refer to separate instructions included with the condenser kit to install the condenser.
2. Binary switch installation (Refer to condenser instructions).

Compressor and Brackets

1. Refer to separate instructions included with the bracket kit to install the compressor bracket.

Pulleys

1. In most instances, the belt lengths will remain the same.

Passenger Compartment Disassembly

NOTE: Removal of dashboard is required to install the evaporator. Vintage Air recommends using the factory service manual when disassembling and reassembling the dashboard.

Perform the Following:

1. Remove the dash pad by removing (6) OEM screws (retain) (See Figure 2, below).
2. Lower the steering column. Protect the steering column with a cloth.
3. Disconnect all wires and cables from the instrument panel, speedometer, control panel and radio.
4. Remove the instrument panel retaining screws at the top, bottom and side of panel.
5. Remove all hoses and ducting from the OEM louvers (See Figure 2, below).
6. Remove the (2) OEM under dash louver assemblies (discard) (See Figure 2, below).
7. Remove the OEM defrost duct assembly by removing the (4) screws (See Figure 3, below).
8. Remove the OEM A/C and heater assembly (discard) (See Figure 3, below).
9. Remove the passenger side kick panel/fresh air door assembly as shown in Figure 2a, below.

Figure 2

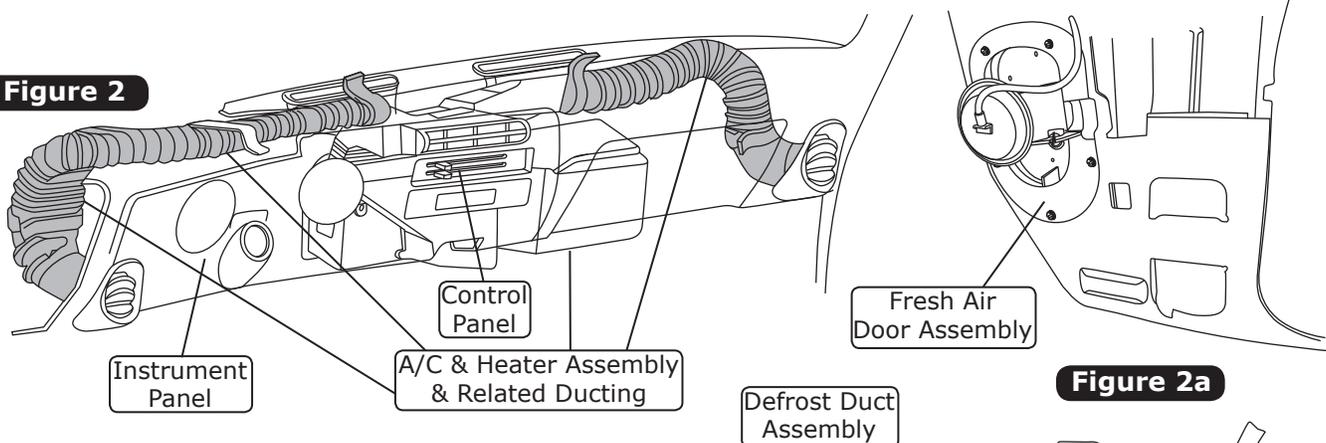


Figure 2a

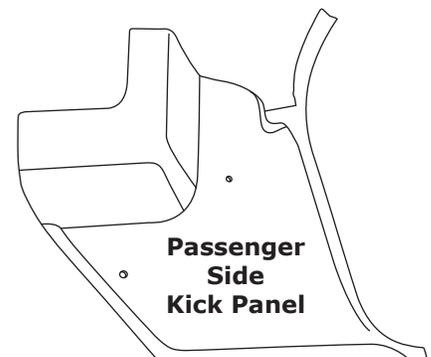
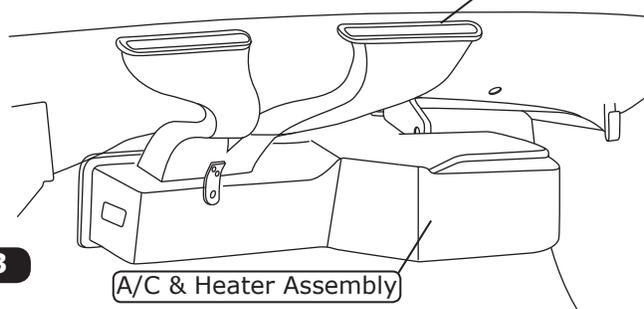


Figure 3





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Defrost Duct Installation

1. Install the defrost ducts under the dash, aligning them with the OEM opening. Secure the defrost ducts to the cowl using #10 x 1/2" sheet metal screws as shown in Figure 4, below.

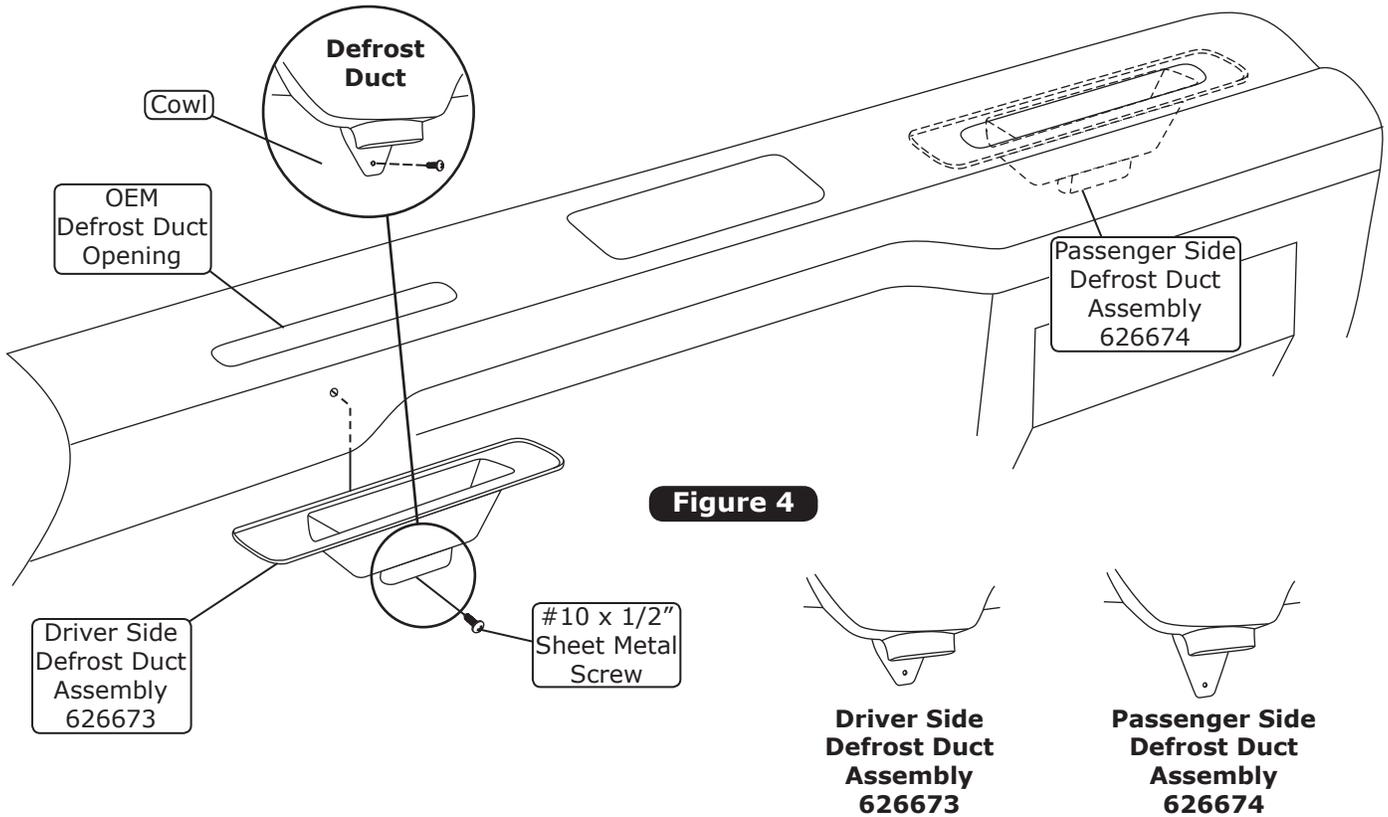


Figure 4

Hose Adapter Installation

1. Install (3) S-clips onto the hose adapters as shown in Figure 5, below.
2. Install the driver and passenger side hose adapters outside the OEM louvers (See Figure 5, below).

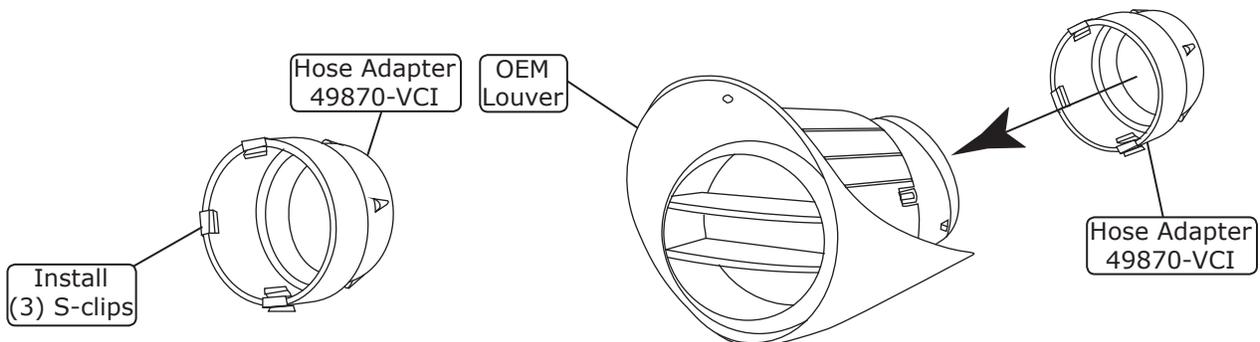


Figure 5



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Fresh Air Cap Installation

1. Install (4) grommets into fresh air cap (See Figure 6, below).
2. Apply a 1/4" bead of silicone around the back side of the fresh air cap as shown in Figure 6, below.
3. Attach the fresh air cap to the firewall using a 1/4-20 x 1 1/2" bolt and washer (See Figure 6, below). **NOTE: Fresh air cap installs on the engine side of the firewall.**
4. Install a 5/8" plug and grommet in the firewall. See Figure 6, below.
5. Using the template on Page 24, drill a 5/16" hole in the firewall as shown in Figure 6, below.

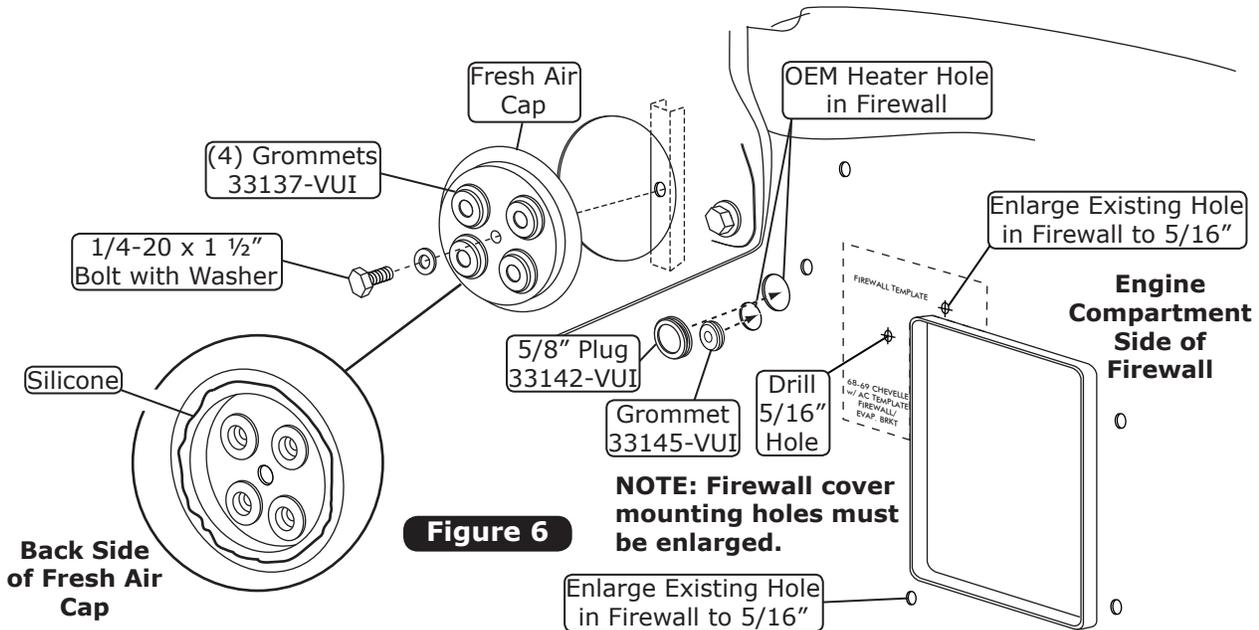


Figure 6

NOTE: Firewall cover mounting holes must be enlarged.

Kick Panel Fresh Air Cap Installation

1. Install (4) grommets into the kick panel fresh air cap (See Figure 7a, below).
2. Route A/C and heater hoses through the fresh air cap and kick panel fresh air cap as shown in Figures 7 and 7b, below.
3. Apply a 1/4" bead of silicone around the back side of the kick panel fresh air cap as shown in Figure 7a, below.
4. Secure kick panel fresh air cap using OEM screws as shown in Figure 7b, below.

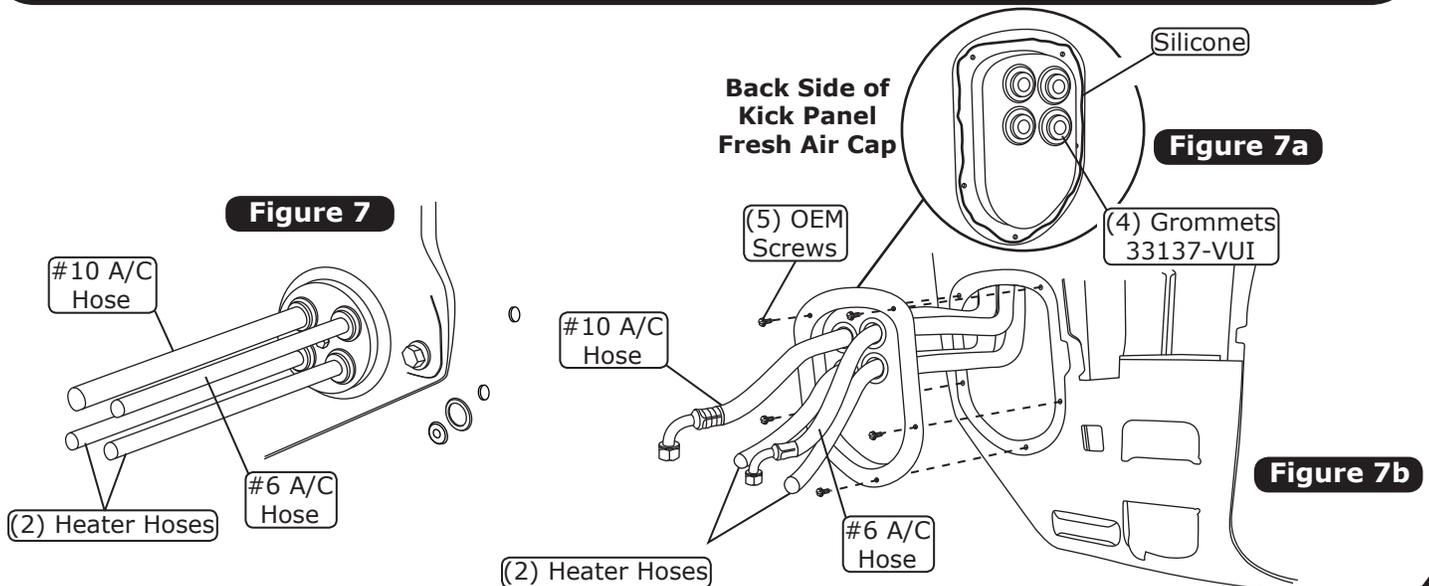


Figure 7

Figure 7a

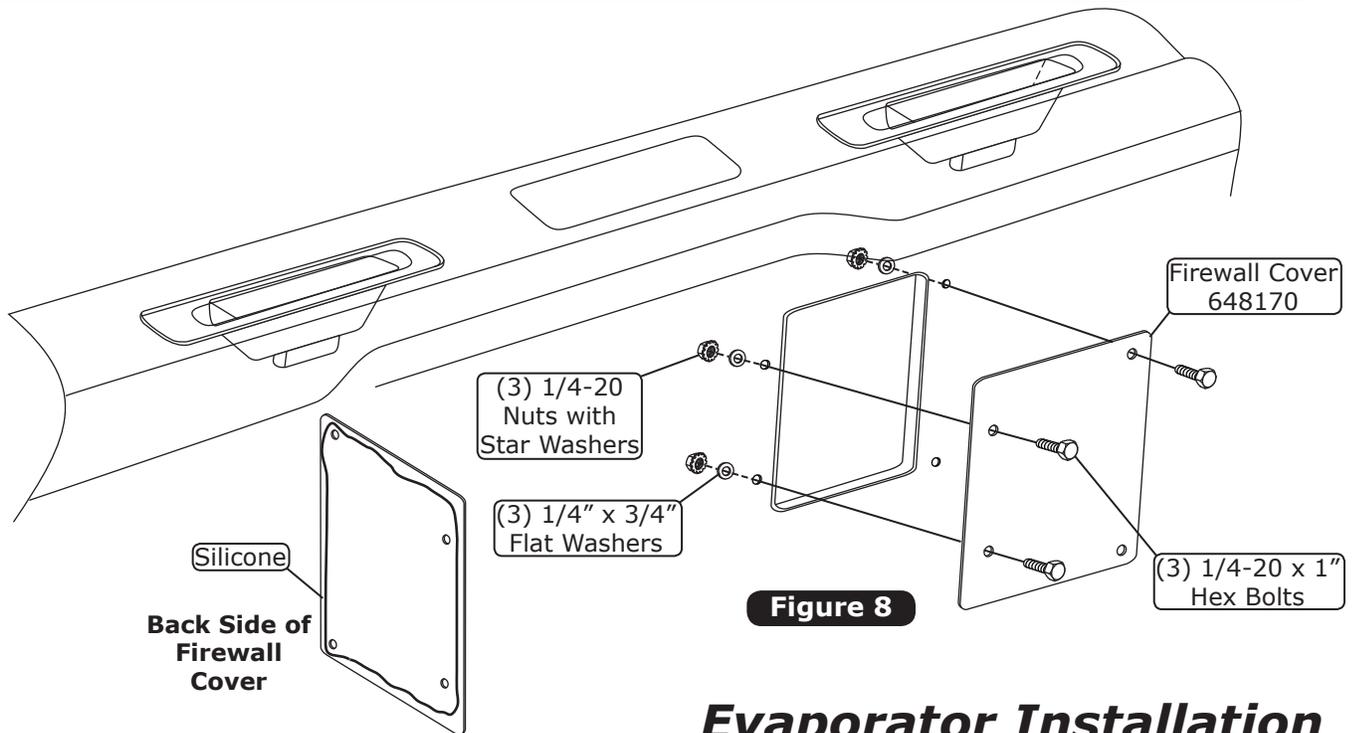
Figure 7b



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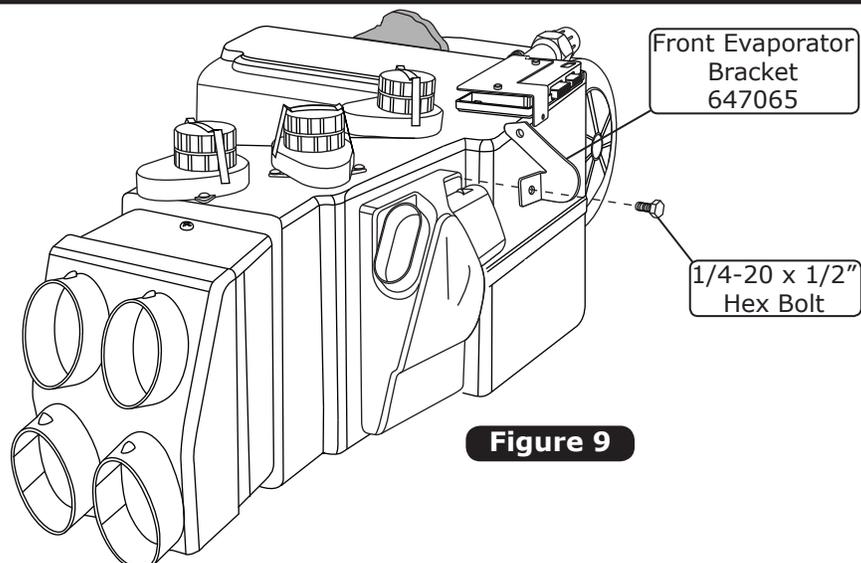
Firewall Cover Installation

1. Apply a 1/4" bead of silicone around the back side of the firewall cover as shown in Figure 8, below.
2. From inside the car, install the firewall cover onto the firewall using (3) 1/4-20 X 1" hex bolts, (3) flat washers and (3) 1/4-20 nuts with star washers (See Figure 8, below).



Evaporator Installation

1. On a workbench install (2) heater fittings with properly lubricated O-rings (See Figure 15, Page 14, and Figure 10, Page 11).
2. Install a 1/4-20 x 1" hex bolt and a 1/4-20 x 1 1/2" hex bolt with 1/2" spacer and (2) 1/4" push nut bolt retainers on evaporator rear bracket as shown in Figure 10, Page 11.
3. Install the evaporator front and rear mounting brackets onto the evaporator using (5) 1/4-20 x 1/2" hex bolts and tighten as shown in Figure 9, below, and Figure 10, Page 11.
4. Lay the evaporator sub case on the passenger side floorboard. Install the A/C and heater hoses onto the evaporator as shown in Figure 11, Page 12, and hose installation instructions on Page 14. **NOTE: Wrap the #10 fitting connections with press tape (See Figure 11, Page 12).**





Evaporator Installation (Cont.)

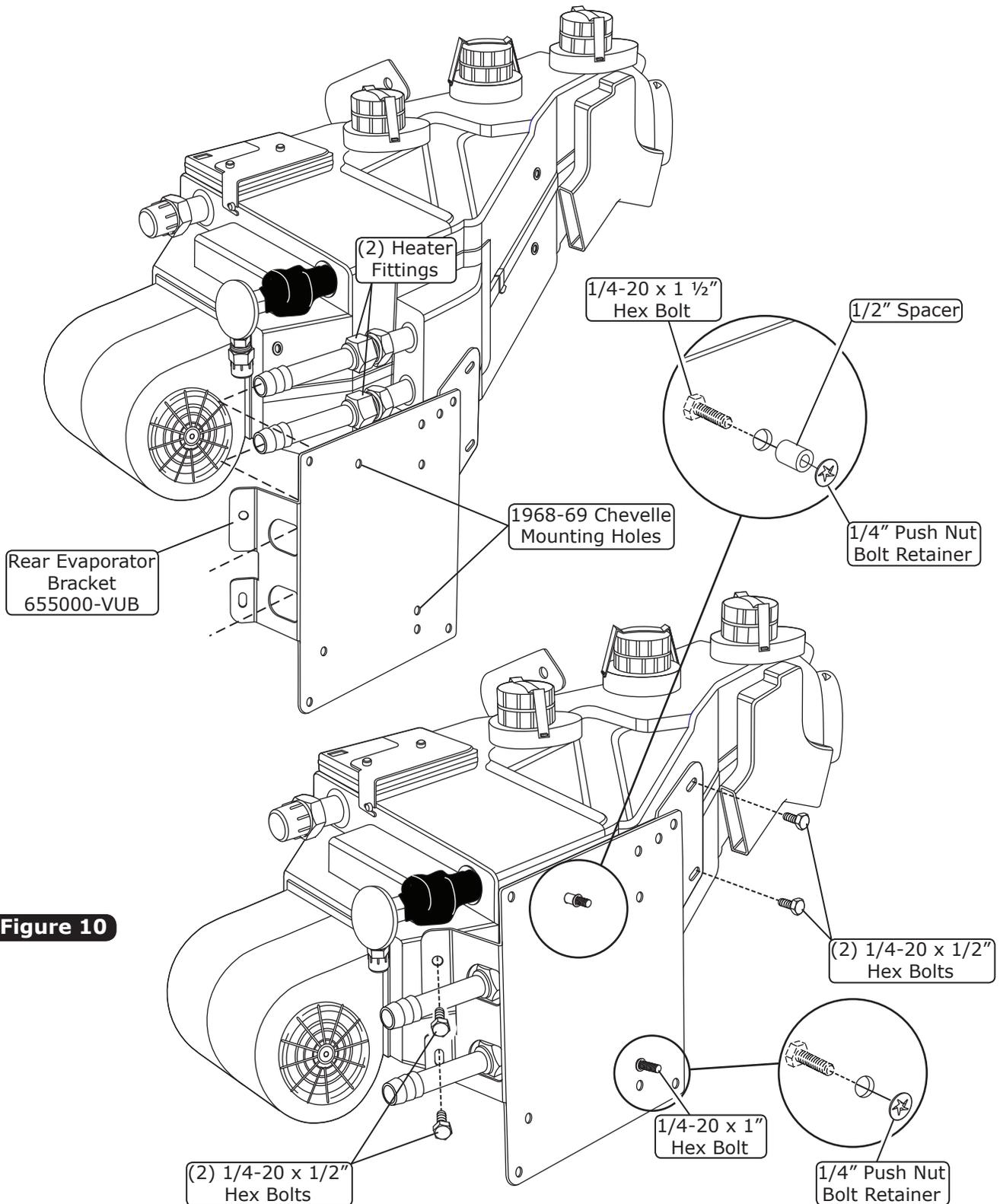


Figure 10

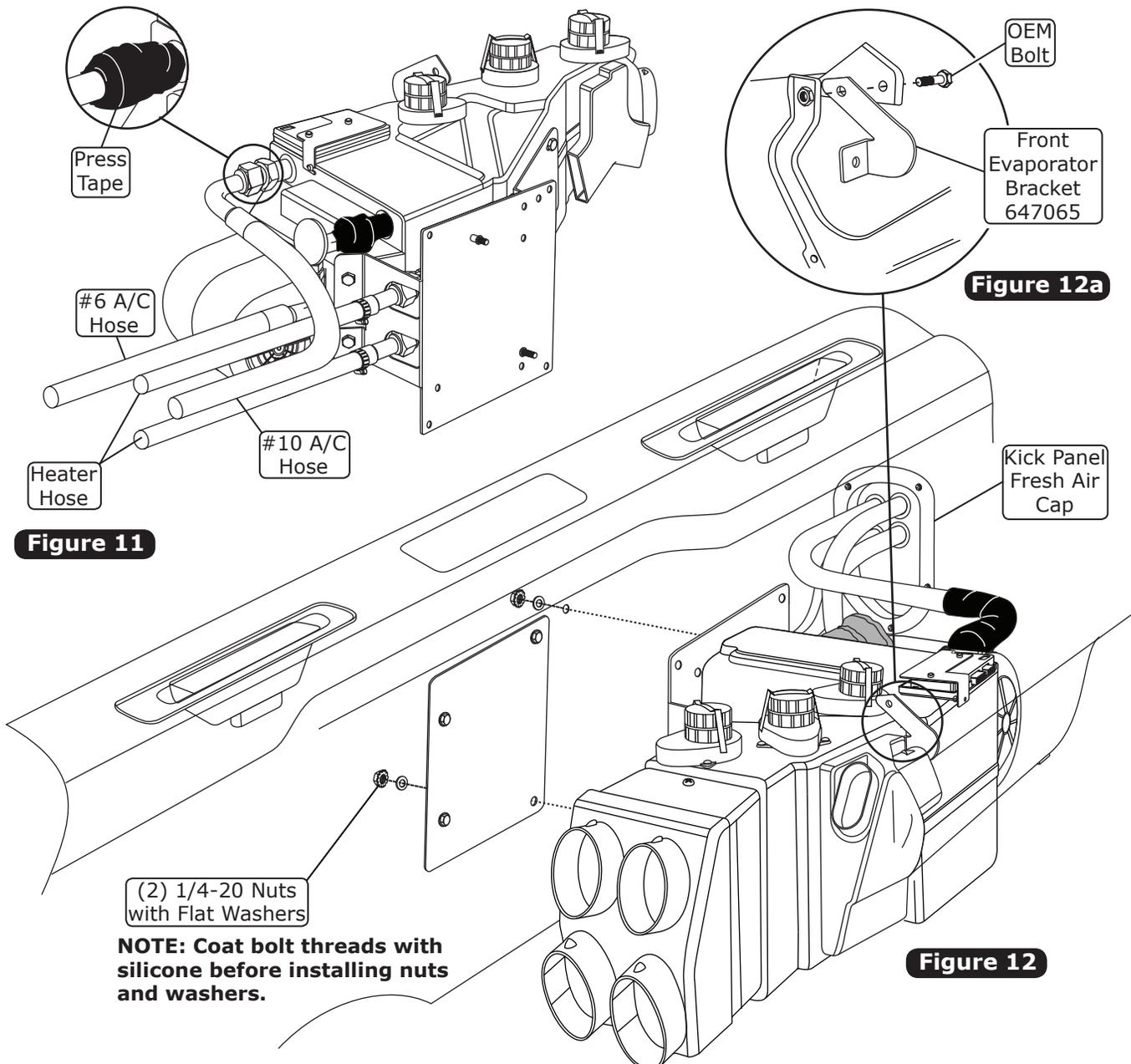


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Evaporator Installation (Final)

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

1. Lift evaporator unit up under the dashboard. Secure loosely to firewall from the engine compartment side using (2) 1/4-20 nuts and flat washers as shown in Figure 12, below. **NOTE: To ensure proper drainage, it is very important that the evaporator is level, both left-right and fore-aft. Check for level on the flat portions of the case around the drain.**
2. Using the OEM bolt, secure the front evaporator mounting bracket between the dash bracket and cowl bracket as shown in Figure 12a, below.
3. Verify that evaporator unit is level and square to the dash; then tighten all mounting bolts. **NOTE: Tighten the bolt on the firewall first. Then tighten the front mounting bracket.**
4. Once evaporator is in place, route the A/C & heater hoses out the kick panel fresh air cap and through the fresh air cap.





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1968 Center Louver Installation

1. Install (4) S-clips on the hose adapter as shown in Figure 13, below.
2. Install center louver hose adapter outside the OEM center louver assembly as shown in Figure 13, below.

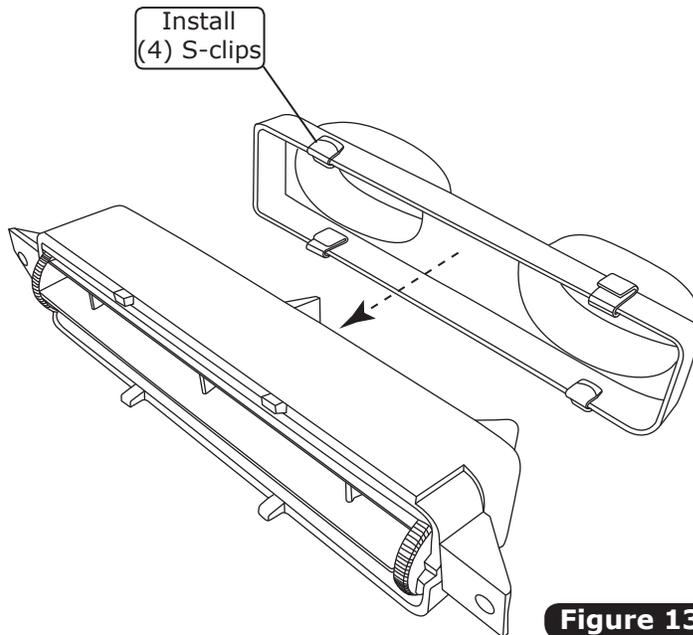


Figure 13

1969 Center Louver Installation

1. Remove the center louver door flap (See Figure 13a, below).
2. Install (4) S-clips on the hose adapter as shown in Figure 13a, below.
3. Install the center louver hose adapter outside the OEM center louver assembly as shown in Figure 13a, below.

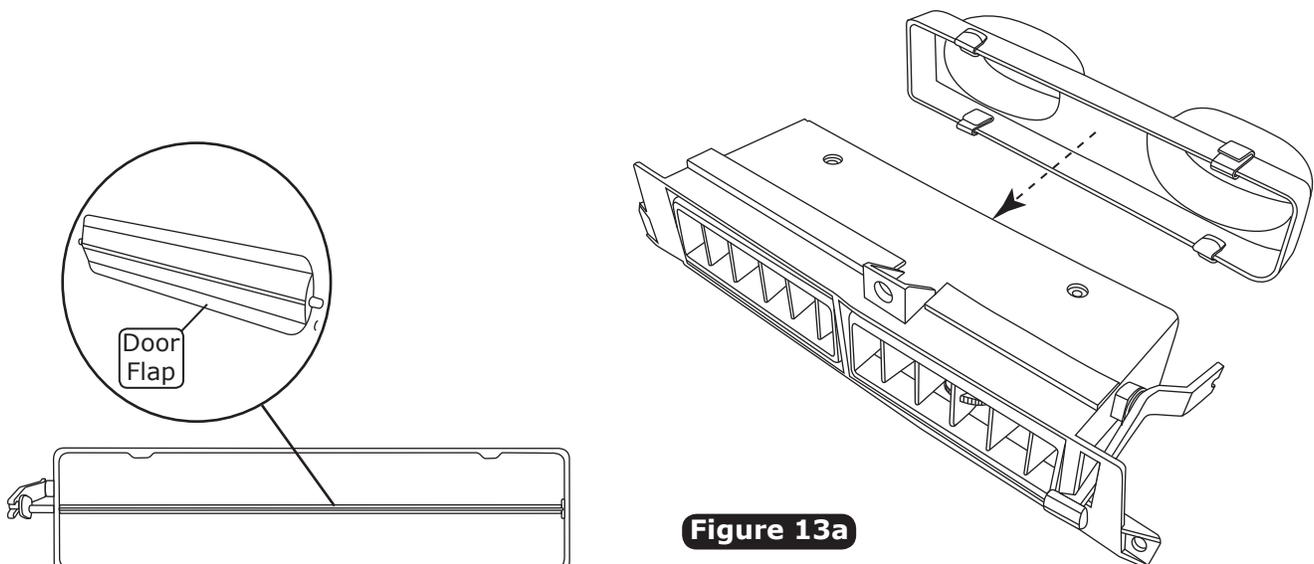


Figure 13a



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Drain Hose Installation

1. Locate the evaporator drain on the bottom of the evaporator case.
2. In line with the drain, lightly make a mark on the firewall. Measure 1" down and drill a 5/8" hole through the firewall (See Figure 14, below).
3. Install the drain hose to the outlet on the bottom of the evaporator unit and route it through the firewall (See Figure 14, below).

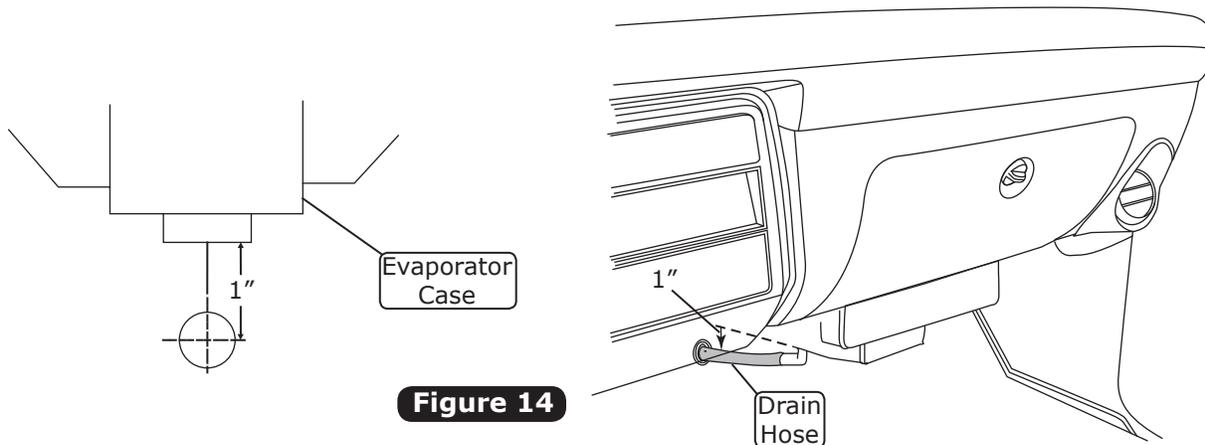
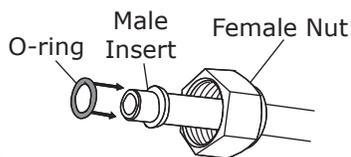
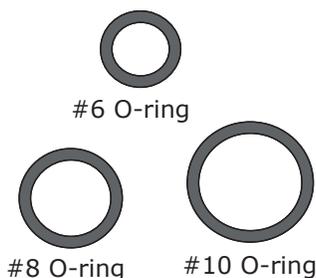


Figure 14

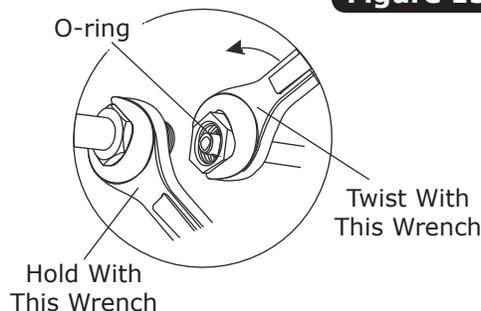
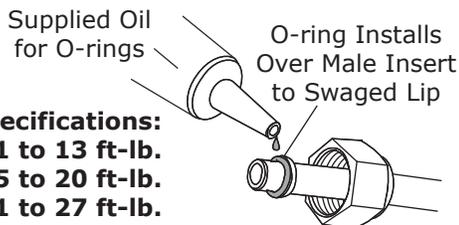
Lubricating O-rings



For a proper seal of fittings: Install supplied O-rings as shown, and lubricate with supplied oil.

Figure 15

NOTE: Standard torque specifications:
#6: 11 to 13 ft-lb.
#8: 15 to 20 ft-lb.
#10: 21 to 27 ft-lb.



A/C Hose Installation

Standard Hose Kit:

1. Locate the #8 compressor A/C hose. Lubricate (2) #8 O-rings (See Figure 15, above) and connect the 135° female fitting with 134a service port to the #8 discharge port on the compressor. Then route the straight female fitting to the #8 condenser hardline coming through the core support (See Figure 16, Page 15, and Figure 16a, Page 16). Tighten each fitting connection as shown in Figure 15, above.
2. Locate the #10 compressor A/C hose. Lubricate (2) #10 O-rings (See Figure 15, above) and connect the #10 135° female fitting with 134a service port to the #10 suction port on the compressor. Then route the 90° female fitting to the #10 fitting on the evaporator (See Figure 11, Page 12, Figure 16, Page 15, and Figure 16a, Page 16). Tighten each fitting connection as shown in Figure 15, above.
3. Locate the #6 evaporator A/C hose. Lubricate (2) #6 O-rings (See Figure 15, above) and connect the straight female fitting to the #6 hardline coming through the core support from the drier. Then route the 90° female fitting to the #6 fitting on the evaporator (See Figure 11, Page 12, Figure 16, Page 15, and Figure 16a, Page 16). Tighten each fitting connection as shown in Figure 15, above.

Modified Hose Kit:

1. Refer to separate instructions included with modified hose kit.



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Heater Hose & Heater Control Valve Installation

1. Route a piece of heater hose from the water pump to the top heater fitting of heater core as shown in Figure 11, Page 12, and Figure 16, below. Secure using hose clamps.
2. Route a piece of heater hose from the intake to the bottom heater fitting of the heater core as shown in Figure 11, Page 12, and Figure 16, below. **NOTE: Install heater control valve in line with intake manifold (pressure side) heater hose. Secure using hose clamps as shown in Figure 16, below. Also note proper flow direction.**

A/C & Heater Hose Routing 1968 Chevelle Shown

NOTE: Vintage Air systems require (2) 5/8" hose nipples (not supplied).

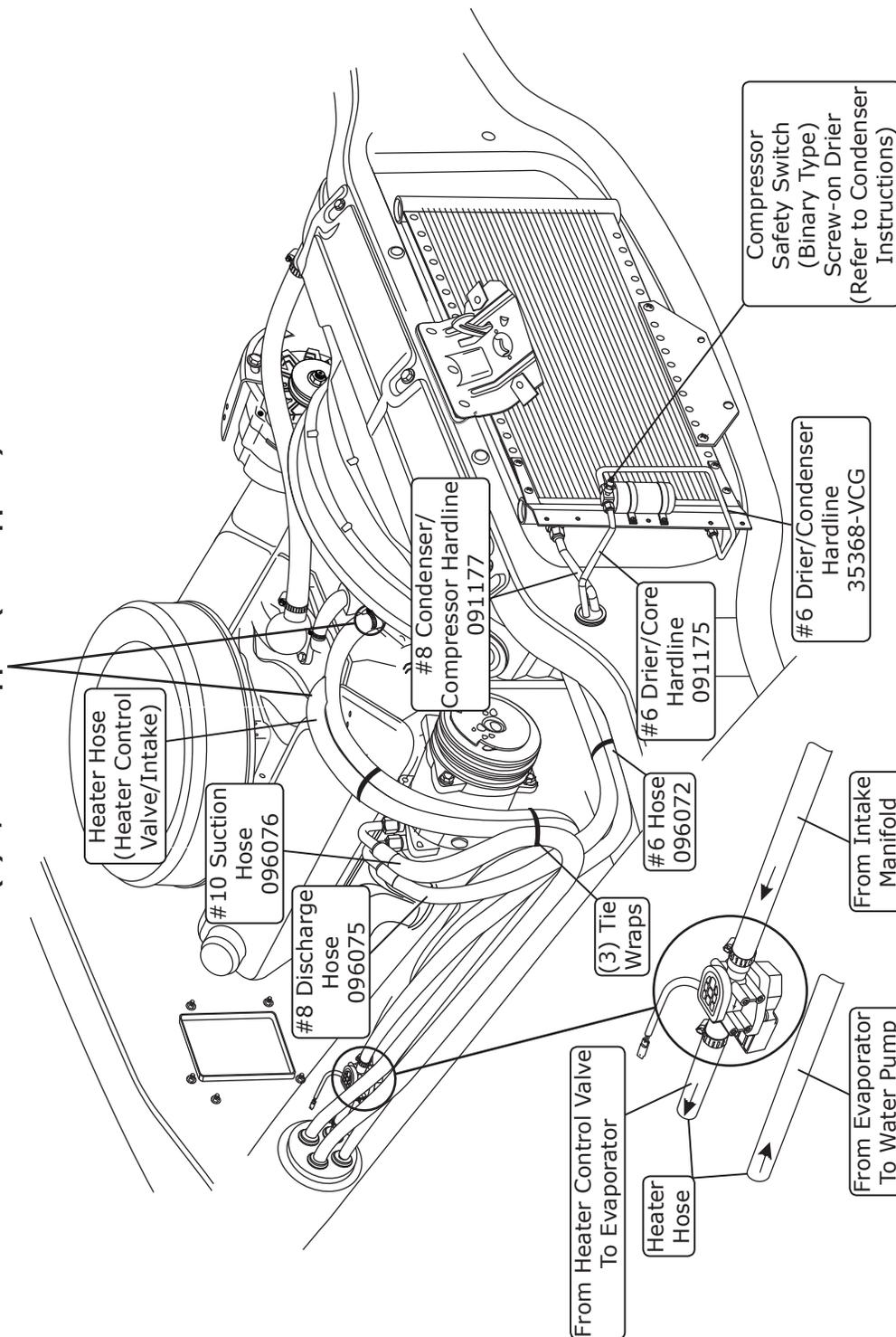


Figure 16

NOTE: Flow direction follows molded arrow on valve.



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Heater Hose & Heater Control Valve Installation

1. Route a piece of heater hose from the water pump to the top heater fitting of heater core as shown in Figure 11, Page 12, and Figure 16a, below. Secure using hose clamps.
2. Route a piece of heater hose from the intake to the bottom heater fitting of the heater core as shown in Figure 11, Page 12, and Figure 16a, below. **NOTE: Install heater control valve in line with intake manifold (pressure side) heater hose. Secure using hose clamps as shown in Figure 16a, below. Also note proper flow direction.**

A/C & Heater Hose Routing 1969 Chevelle Shown

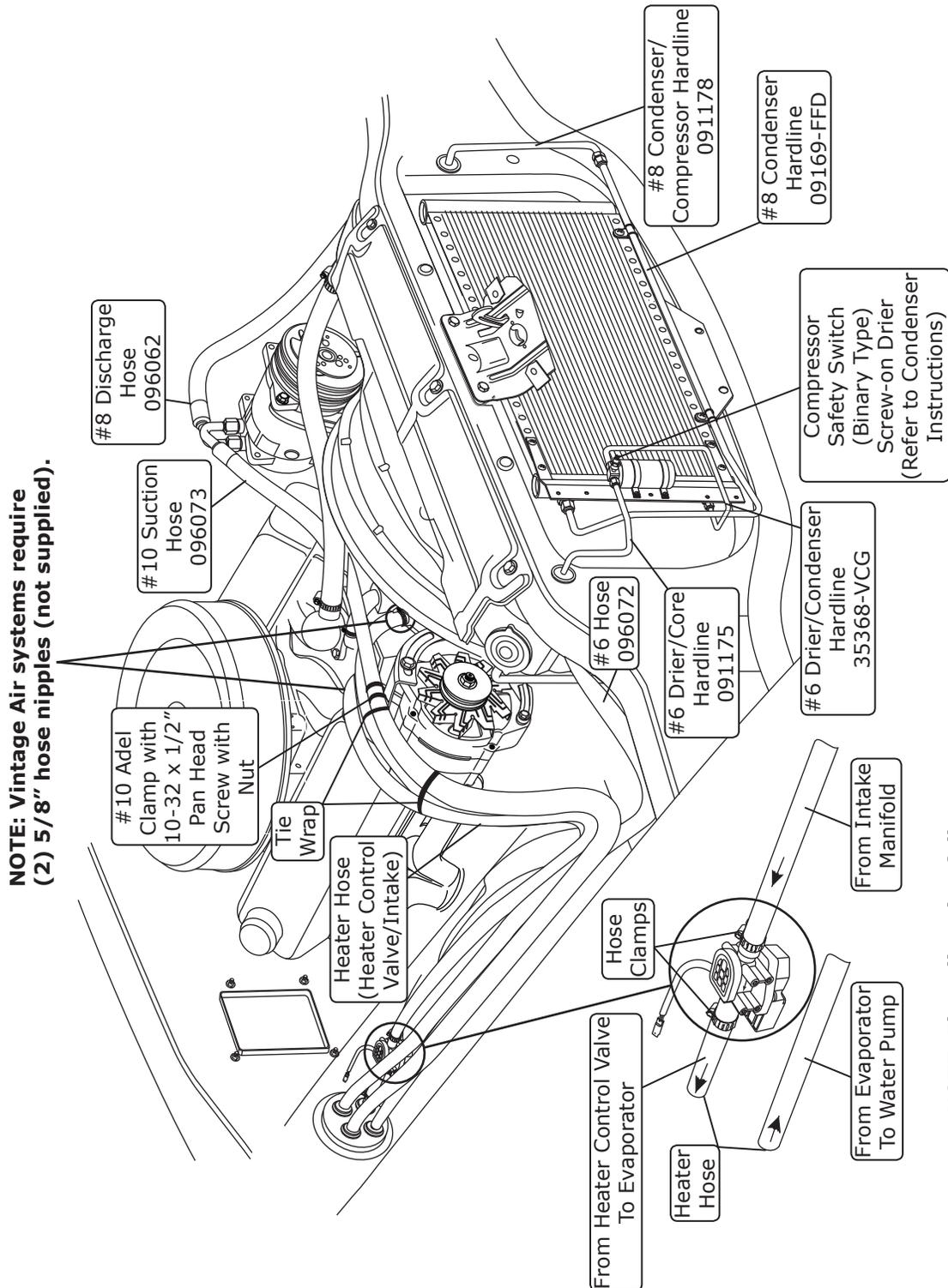


Figure 16a

NOTE: Flow direction follows molded arrow on valve.



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Final Steps

1. Install duct hoses as shown in Figure 20, Page 18.
2. Route A/C wires (12 volt/grounds/binary switch/heater valve) through 3/8" grommet as shown in Figure 17, below.
3. Install control panel assembly. Refer to control panel instructions.
4. Plug the wiring harnesses into the ECU module on the sub case as shown in Figure 20, Page 18. Wire according to the wiring diagrams on Pages 19 and 20.
5. Install new glove box.
6. Modify passenger side kick panel as shown in Figure 19, below.
7. Reinstall all previously removed items.
8. 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.
9. Double check all fittings, brackets and belts for tightness.
10. Vintage Air recommends that all A/C systems be serviced by a licensed automotive A/C technician.
11. Evacuate the system for a minimum of 45 minutes prior to charging, and perform a leak check prior to servicing.
12. Charge the system to the capacities stated on Page 4 of this instruction manual.
13. See Operation of Controls procedures on Page 21.

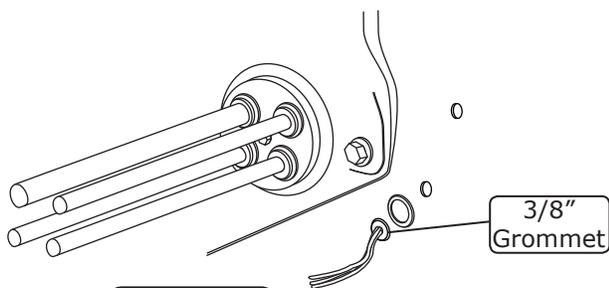


Figure 17

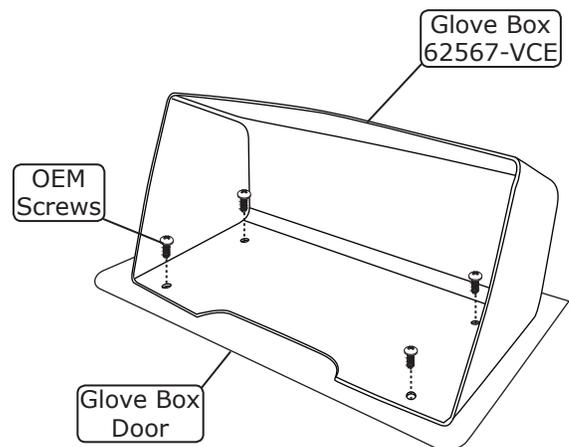


Figure 18

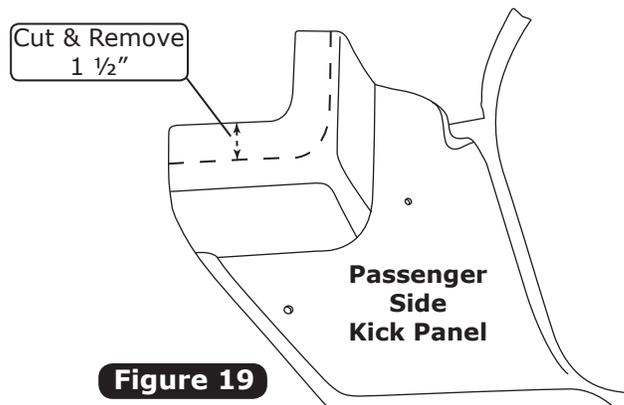


Figure 19



Control Panel & Duct Hose Routing

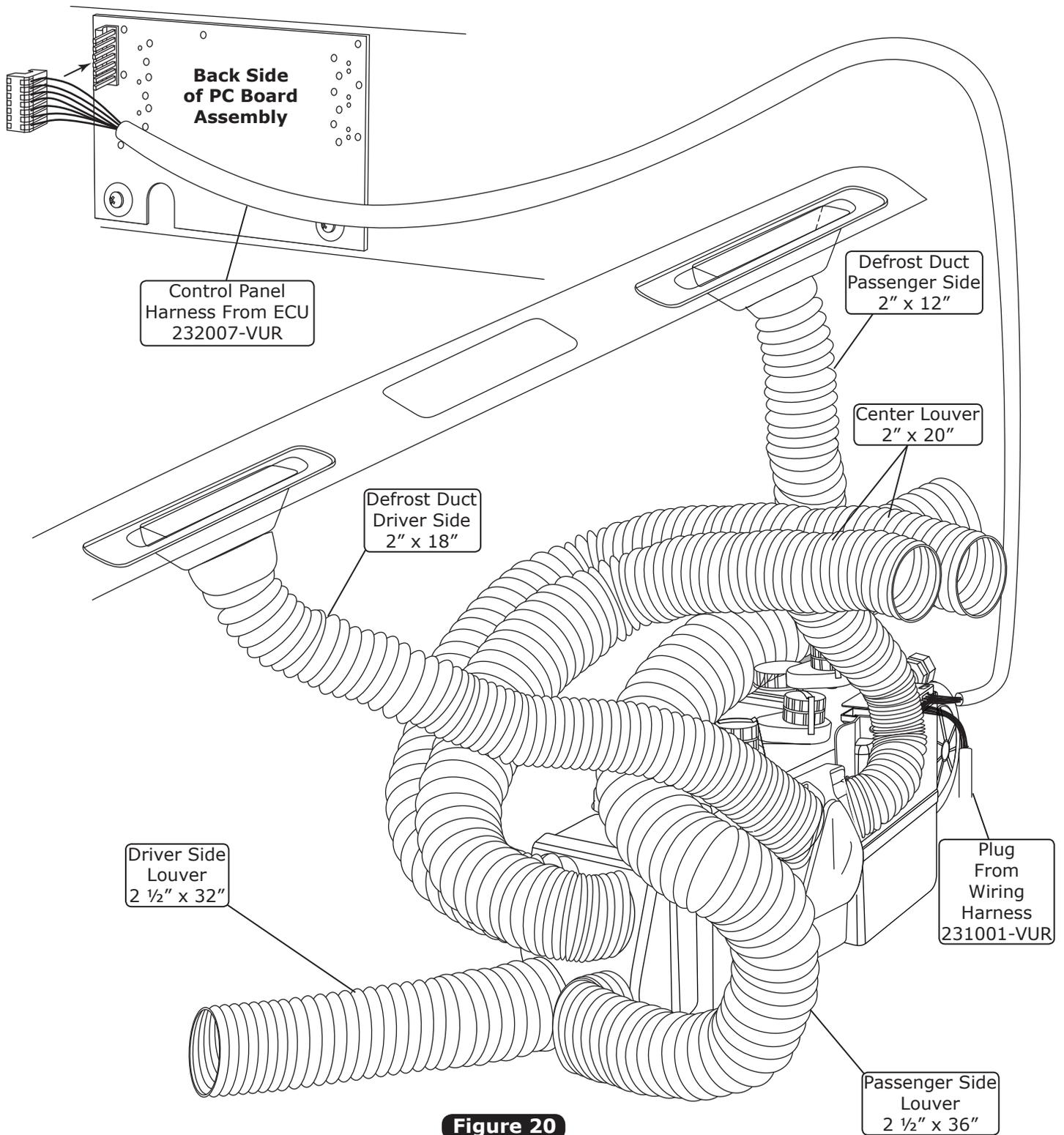


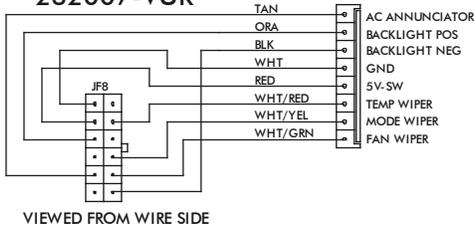
Figure 20



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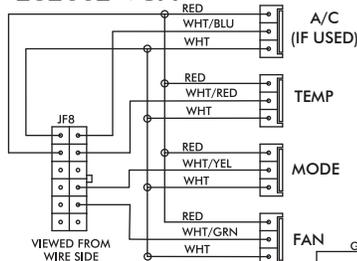
Wiring Diagram

232007-VUR

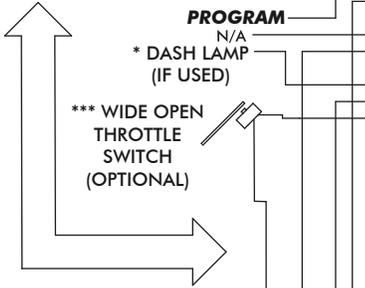
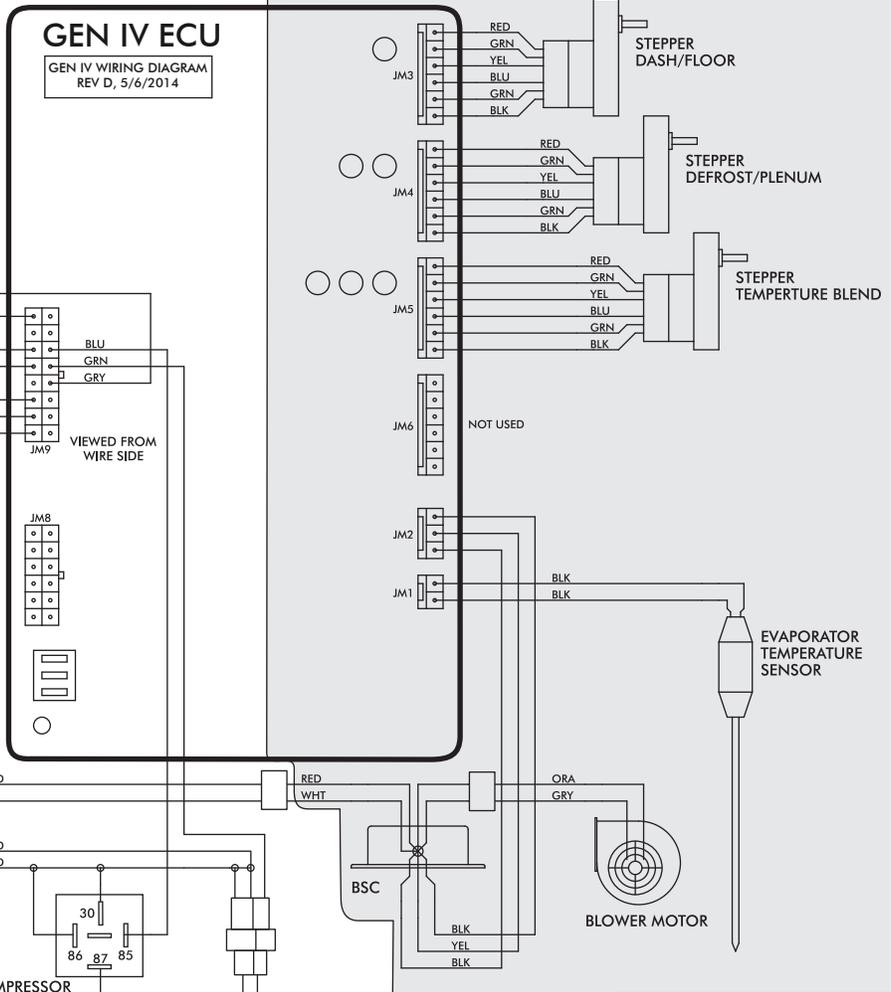


VIEWED FROM WIRE SIDE

232002-VUA



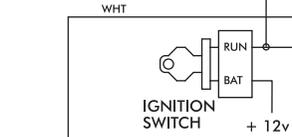
VIEWED FROM WIRE SIDE



PROGRAM

N/A
* DASH LAMP (IF USED)

*** WIDE OPEN THROTTLE SWITCH (OPTIONAL)



IGNITION SWITCH +12v

** CIRCUIT BREAKER 30 AMP

NOTE: = CHASSIS GROUND

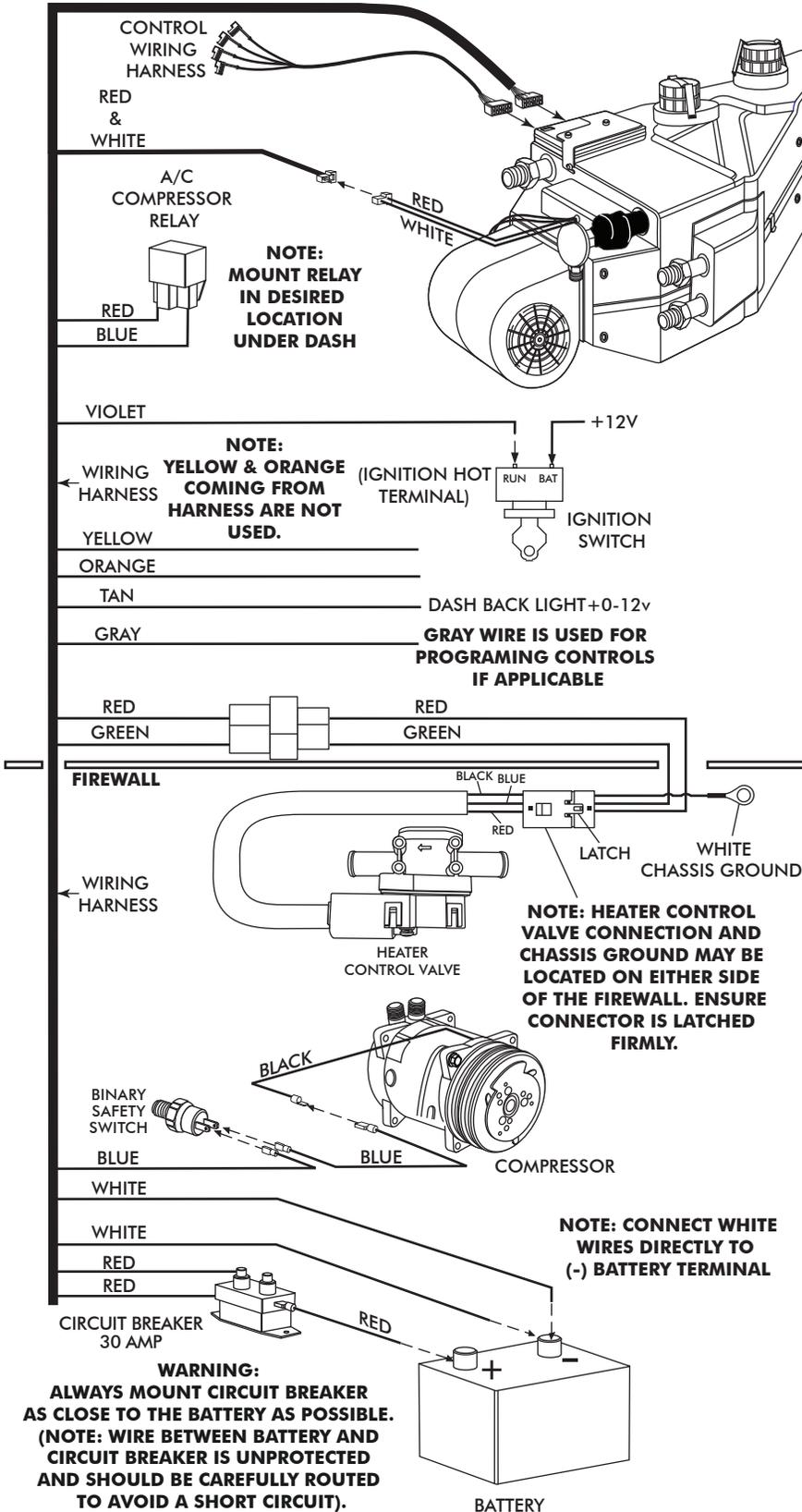
- Dash Lamp Is Used Only With Type 232007-VUR Harness.
- **Warning:** Always Mount Circuit Breaker As Close to the Battery As Possible. (NOTE: Wire Between Battery and Circuit Breaker Is Unprotected and Should Be Carefully Routed to Avoid a Short Circuit).
- Wide Open Throttle Switch Contacts Close Only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



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Gen IV Wiring Connection Instruction

WIRING HARNESS



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

Dash Light:
Tan Wire Used Only With Vintage Air Supplied Control Panel With LED Back Light.

Heater Control Valve:
Install With Servo Motor Facing Down, As Shown. Note Flow Direction Arrow Molded Into Valve Body, And Install Accordingly.

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.

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

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).



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Operation of Controls

On Gen IV systems with three lever/knob controls, the temperature control toggles between heat and A/C operations. To activate A/C, move the temperature lever/knob all the way to cold and then back it off to the desired vent temperature. For heat operation, move the temperature lever/knob all the way to hot and then adjust to the desired vent temperature. The blower will momentarily change speed, each time you toggle between operations, to indicate the change.

Blower Speed

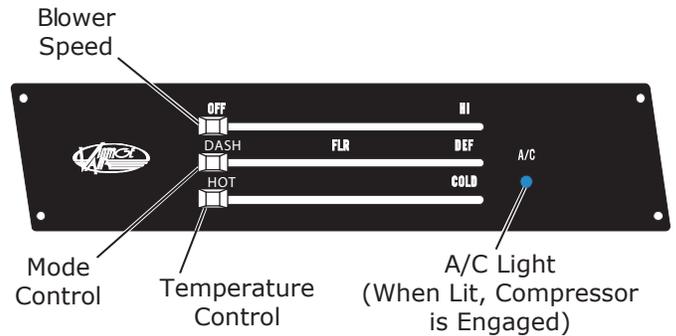
This lever/knob controls blower speed, from OFF to HI.

Mode Control

This lever/knob controls the mode positions, from DASH to FLOOR to DEFROST, with a blend in between.

Temperature Control

This lever/knob controls the temperature, from HOT to COLD.



A/C Operation

Blower Speed

Adjust to desired speed.

Mode Control

Adjust to desired mode position (DASH position recommended).

Temperature Control

For A/C operation, adjust to coldest position to engage compressor (Adjust between HOT and COLD to reach desired temperature).



Heat Operation

Blower Speed

Adjust to desired speed.

Mode Control

Adjust to desired mode position (FLOOR position recommended).

Temperature Control

For maximum heating, adjust to hottest position (Adjust between HOT and COLD to reach desired temperature).



Defrost/De-fog Operation

Blower Speed

Adjust to desired speed.

Temperature Control

Adjust to desired temperature.

Mode Control

Adjust to DEFROST position for maximum defrost, or between FLOOR and DEFROST positions for a bi-level blend (Compressor is automatically engaged).





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Troubleshooting Guide

Symptom	Condition	Checks	Actions	Notes
1a. Blower stays on high speed when ignition is on.	No other functions work.	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.	Loss of ground on this wire renders control head inoperable.
	All other functions work.	Check for damaged ground wire (white) in control head harness. Check for damaged blower switch or potentiometer and associated wiring.	Verify continuity to chassis ground with white control head wire at various points.	See blower switch check procedure.
1b. Blower stays on high speed when ignition is on or off.		Unplug 3-wire BSC control connector from ECU. If blower shuts off, ECU is either improperly wired or damaged.	Be sure the small, 20 GA white ground wire is connected to the battery ground post. If it is, replace the ECU.	
		Unplug 3-wire BSC control connector from ECU. If blower stays running, BSC is either improperly wired or damaged.	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. Replace BSC (This will require removal of evaporator from vehicle).	No other part replacements should be necessary.
2. Compressor will not turn on (All other functions work).	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.
	System is charged.	Check for faulty A/C potentiometer or associated wiring (Not applicable to 3-pot controls). Check for disconnected or faulty thermistor.	Check continuity to ground on white control head wire. Check for 5V on red control head wire. Check 2-pin connector at ECU housing.	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. Disconnected or faulty thermistor will cause compressor to be disabled.
3. Compressor will not turn off (All other functions work).		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/Blue wire should vary between 0V and 5V when lever is moved up or down.
		Check for faulty A/C relay.	Replace relay.	



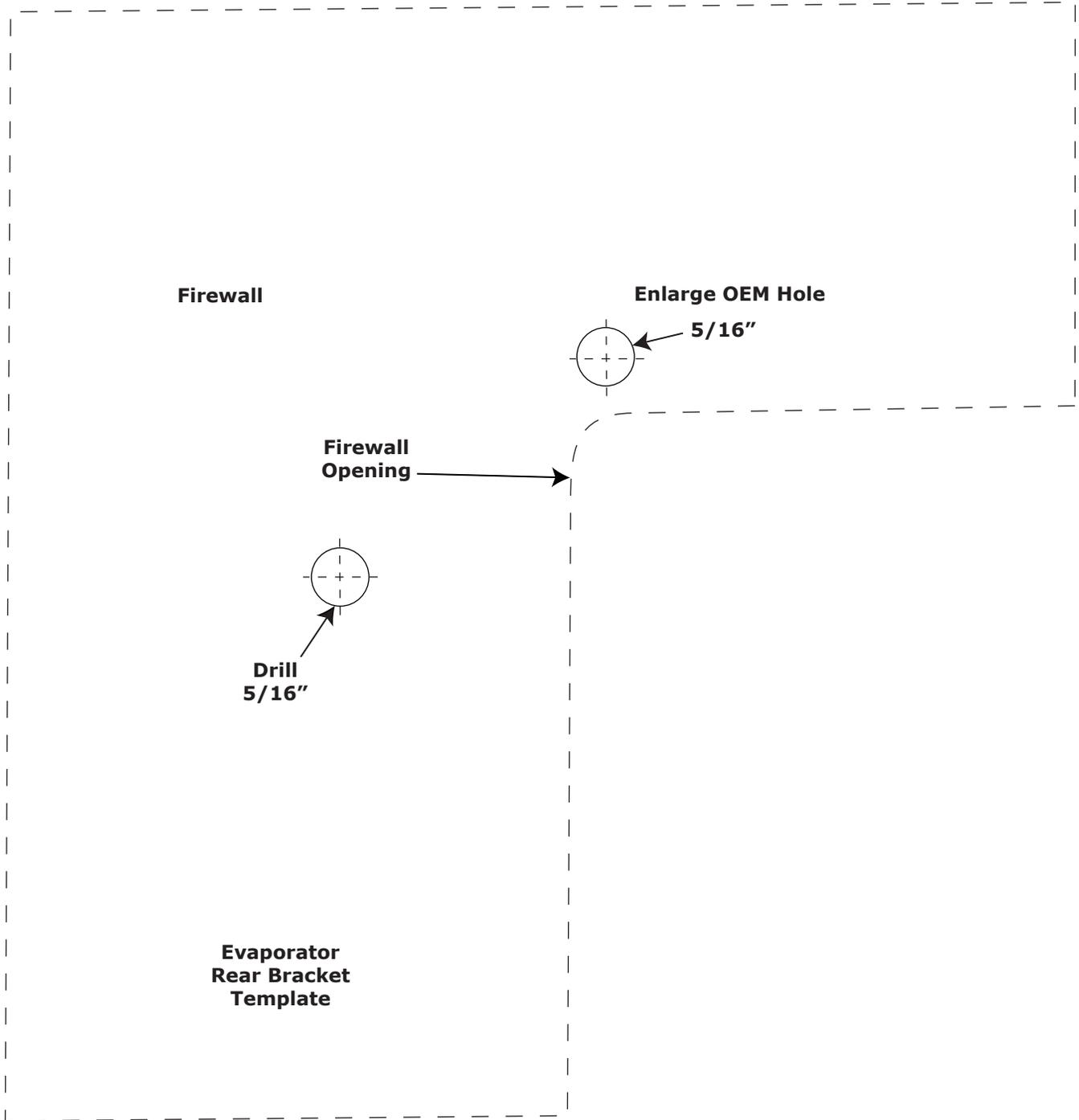
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Troubleshooting Guide (Cont.)

Symptom	Condition	Checks	Actions	Notes
4.	Works when engine is not running; shuts off when engine is started (Typically early Gen IV, but possible on all versions).	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 greater than 16V will shut down the ECU. Install a radio capacitor at the positive post of the ignition coil (See radio capacitor installation bulletin). A faulty alternator or worn out battery can also result in this condition.
		System will not turn on, or runs intermittently.	Check for positive power at heater valve green wire and blower red wire. Check for ground on control head white wire.	
	Will not turn on under 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.	
5.	Loss of mode door function.	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 vehicle. Be sure all mounting locations line up and don't have to be forced into position.
		Partial function of mode doors.	Check for obstructed or binding mode doors.	
			Check for damaged stepper motor or wiring.	
6.	Blower turns on and off rapidly.	Battery voltage is at least 12V.	Check for at least 12V at circuit breaker.	System shuts off blower at 10V. Poor connections or weak battery can cause shutdown at up to 11V.
		Battery voltage is less than 12V.	Check for faulty battery or alternator.	
7.	Erratic functions of blower, mode, temp, etc.		Ensure all system grounds and power connections are clean and tight.	
			Charge battery.	
8.	When ignition is turned on, blower momentarily comes on, then shuts off. This occurs with the blower switch in the OFF position.		Repair or replace.	
			Run red power wire directly to battery.	



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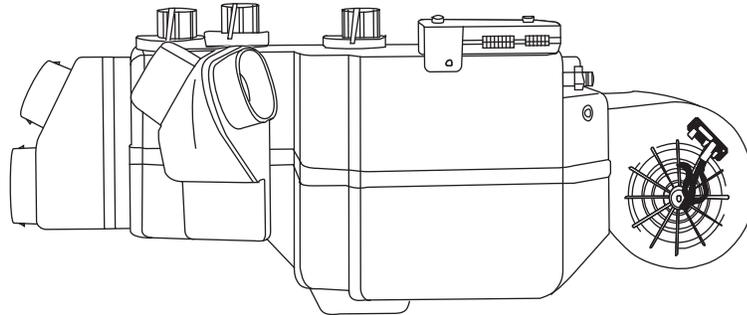
Packing List: Evaporator Kit (564471)

No.	Qty.	Part No.	Description
1.	1	762169	Gen IV Evaporator Sub Case, 4-Vent with 2" & 2 1/2"
2.	1	784166	Accessory Kit, 1968-69 Chevrolet Chevelle with Factory Air

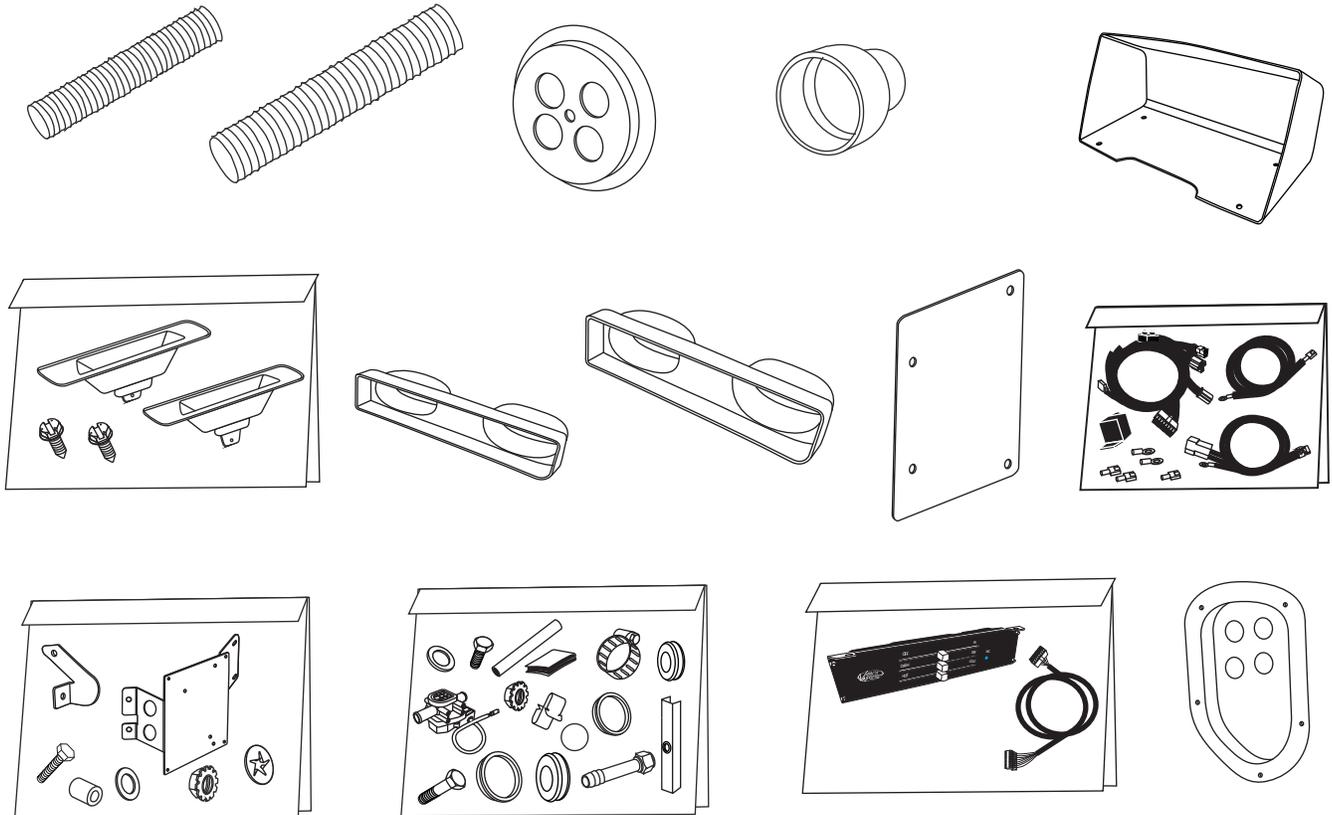
Checked By: _____
 Packed By: _____
 Date: _____

1

**Gen IV Evaporator
Sub Case 4-Vent
w/ 2" & 2 1/2"
762169**



2



**Accessory Kit
784166**

**NOTE: Images may not depict actual parts and quantities.
Refer to packing list for actual parts and quantities.**