1968-69 Chevrolet Chevelle

without Factory Air Evaporator Kit
(561068)
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 (561068)

<table>
<thead>
<tr>
<th>No.</th>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>762169</td>
<td>Gen IV Evaporator Sub Case, 4-Vent with 2” &amp; 2 ½”</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>784165</td>
<td>Accessory Kit, 1968-69 Chevrolet Chevelle without Factory Air</td>
</tr>
</tbody>
</table>

**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.**

---

**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:

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.
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.
**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. Remove OEM heater hoses (discard).
5. Remove OEM blower assembly (discard). **NOTE:** To remove the blower assembly (under hood) and the air distribution system (under dash), the factory manual recommends removing the passenger side inner fender.

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

**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.
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 top, bottom and side of panel.
5. Remove the glove box door (retain).
6. Remove the glove box (discard).
7. Remove all the hoses and ducting from the OEM louvers and astro vent door (if equipped) (See Figure 2, below).
8. Remove OEM defrost duct assembly by removing the (4) screws (See Figure 3, below).
9. Remove OEM heater assembly (discard). See Figure 3, below.
10. Remove the passenger side kick panel/fresh air door assembly as shown in Figure 4, Page 8.

NOTE: 1969 Chevelle Shown
Kick Panel Modification

1. Remove the kick panel grille (discard). Remove the kick panel by removing (5) OEM screws from the fresh air door assembly. Disconnect and discard the pull cable assemblies from the kick panel (See Figure 4, below).
2. Install 1/2” plastic plugs to fill the holes left from the removal of the pull cable assembly (See Figure 5, below).
3. Locate the template provided on Page 25. Place template on kick panel as shown in Figure 5a, below.
4. Cut the fresh air door assembly as shown in Figure 5, below.
Defrost Duct Installation

1. Install the defrost ducts under the dash, aligning them with OEM opening. Secure the defrost ducts to the cowl using #10 x 1/2" sheet metal screws (See Figure 6, below). **NOTE:** On 1969 models, install astro vent cap as shown in Figure 6, below.

1969 Models:

**Hose Adapter Installation (If Equipped)**

1. Install (3) S-clips onto the hose adapters as shown in Figure 7, below.
2. Install the driver & passenger side hose adapters outside the OEM louvers (See Figure 7, below).
Fresh Air Cap Installation

1. Install (4) grommets into fresh air cap (See Figure 8, below).
2. Apply a 1/4" bead of silicone around the back side of the fresh air cap as shown in Figure 8, below.
3. Attach fresh air cap to firewall using a 1/4-20 x 1 ½" bolt and washer (See Figure 8, below). **NOTE:** Fresh air cap installs on the engine side of the firewall.

Kick Panel Fresh Air Cap Installation

1. Install (4) grommets into the kick panel fresh air cap (See Figure 9a, below).
2. Route the A/C and heater hoses through the fresh air cap and kick panel fresh air cap as shown in Figures 9 and 9b, below.
3. Apply a 1/4" bead of silicone around the back side of the kick panel fresh air cap as shown in Figure 9a, below.
4. Secure the kick panel fresh air cap using (5) OEM screws as shown in Figure 9b, below.
Firewall Cover Installation

1. Apply a 1/4" bead of silicone around the back side of the firewall cover as shown in Figure 10, 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 as shown in Figure 10, below.

Evaporator Installation

1. On a workbench, install (2) heater fittings with properly lubricated O-rings (See Figure 18, Page 15, and Figure 12, Page 12).
2. Install a 1/4-20 x 1” hex bolt and a 1/4-20 x 1 ¾” hex bolt with 1” aluminum spacer and (2) 1/4” push nut bolt retainers onto the evaporator rear bracket as shown in Figure 12, Page 12.
3. Install the evaporator front & rear mounting brackets onto the evaporator using (5) 1/4-20 x 1/2” hex bolts as shown in Figure 11, below, and Figure 12, Page 12.
4. Lay the evaporator sub case on the passenger side floorboard. Install the A/C & heater hoses onto the evaporator as shown in Figure 13, Page 13, and hose installation instructions on Page 15. **NOTE: Wrap the #10 fitting connections with press tape (See Figure 13, Page 13).**
Evaporator Installation (Cont.)

Figure 12

1/4-20 x 1 ¾” Hex Bolt

1” Steel Spacer

1/4” Push Nut Bolt Retainer

1/4-20 x 1/2” Hex Bolts

1/4-20 x 1” Hex Bolt

1/4” Push Nut Bolt Retainer

(2) 1/4-20 x 1/2” Hex Bolt

1968-69 Chevelle without Factory Air Mounting Holes

Rear Evaporator Bracket 655000-VUB

(2) Heater Fittings
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 (See Figure 14, 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 a 1/4-20 x 1” hex bolt, flat washer, and a 1/4” nut with star washer, secure the front evaporator mounting bracket between the dash bracket and cowl bracket (See Figure 14a, 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 of the kick panel fresh air cap and through the fresh air cap.

**NOTE:** Coat bolt threads with silicone before installing nuts and washers.
1968-69 Models without Astro Vents

1. Install louver housings under dash as shown in Figure 15, below.
2. Install louvers in housings as shown in Figure 15, below.

![Figure 15](image)

(6) #8 x 1/2” Pan Head Screws

1969 Models with Astro Vents

1. Install center louver under dash as shown in Figure 16, below.
2. For astro vent hose adapter installation, refer to Page 9.

![Figure 16](image)

(2) #8 x 1/2” Pan Head Screws
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 17, below).
3. Install the drain hose to the outlet on the bottom of the evaporator unit, and route it through the firewall (See Figure 17, below).

A/C Hose Installation

Standard Hose Kit:
1. Locate the #8 compressor A/C hose. Lubricate (2) #8 O-rings (See Figure 18, above) and connect the 135° female fitting with 134a service port on the compressor. Then route the straight female fitting to the #8 condenser hardline coming through the core support (See Figure 19, Page 16, and Figure 20, Page 17). Tighten each fitting connection as shown in Figure 18, above.

2. Locate the #10 compressor A/C hose. Lubricate (2) #10 O-rings (See Figure 18, above) and connect the #10 135° female fitting with 134a service port on the compressor. Then route the 90° female fitting to the #10 fitting on the evaporator (See Figure 13, Page 13, Figure 19, Page 16, and Figure 20, Page 17). Tighten each fitting connection as shown in Figure 18, above.

3. Locate the #6 evaporator A/C hose. Lubricate (2) #6 O-rings (See Figure 18, 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 13, Page 13, Figure 19, Page 16 and Figure 20, Page 17). Tighten each fitting connection as shown in 18, above.

Modified Hose Kit:
1. Refer to separate instructions included with modified hose kit.

Lubricating O-rings

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

NOTE: Standard torque specifications:
#6: 11 to 13 ft-lb.
#8: 15 to 20 ft-lb.
#10: 21 to 27 ft-lb.
1. Route a piece of heater hose from the water pump to the top heater fitting of the heater core as shown in Figure 13, Page 13, and Figure 19, 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 13, Page 13, and Figure 19, below. **NOTE:** Install heater control valve in line with intake manifold (pressure side) heater hose. Secure using hose clamps as shown in Figure 19, below. Also note proper flow direction.
1. Route a piece of heater hose from the water pump to the top heater fitting of the heater core as shown in Figure 13, Page 13, and Figure 20, 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 13, Page 13, and Figure 20, below. **NOTE:** Install heater control valve in line with intake manifold (pressure side) heater hose. Secure using hose clamps as shown in Figure 20, below. Also note proper flow direction.

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

1. Install duct hoses as shown in Figure 23, Page 19.
2. Route A/C wires (12 volt/grounds/binary switch/heater valve) through 3/8” grommet as shown in Figure 21, 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 23, Page 19. Wire according to the wiring diagrams on Pages 20 and 21.
5. Install new glove box. Center glove box to glove box door and drill (4) 1/8” Holes. Install glove box to door using (4) #8 x 1/2” pan head screws (See Figure 22, below).
6. Reinstall all previously removed items (battery tray, battery, and inner fender).
7. 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.
8. Double check all fittings, brackets and belts for tightness.
9. Vintage Air recommends that all A/C systems be serviced by a licensed automotive A/C technician.
10. Evacuate the system for a minimum of 45 minutes prior to charging, and perform a leak check prior to servicing.
11. Charge the system to the capacities stated on Page 4 of this instruction manual.
12. See Operation of Controls procedures on Page 22.

![Figure 21](image)

![Figure 22](image)
Control Panel & Duct Hose Routing

- Control Panel Harness From ECU 232007-VUR
- Driver Side Defrost Duct 2” x 18”
- Driver Side Louver 2 ½” x 32”
- Passenger Side Defrost Duct 2” x 12”
- Center Louver 2” x 20”
- Plug From Wiring Harness 232001-VUR
- Passenger Side Louver 2 ½” x 36”

Figure 23
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

**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.)
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).
### Troubleshooting Guide

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Condition</th>
<th>Checks</th>
<th>Actions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a.</td>
<td>Blower stays on high speed when ignition is on.</td>
<td>No other functions work.</td>
<td>Check for damaged pins or wires in control head plug.</td>
<td>Verify that all pins are inserted into plug. Ensure that no pins are bent or damaged in ECU.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Check for damaged ground wire (white) in control head harness.</td>
<td>Verify continuity to chassis ground with white control head wire at various points.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>All other functions work.</td>
<td>Loss of ground on this wire renders control head inoperable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for damaged blower switch or potentiometer and associated wiring.</td>
<td>See blower switch check procedure.</td>
<td></td>
</tr>
<tr>
<td>1b.</td>
<td>Blower stays on high speed when ignition is on or off.</td>
<td>Unplug 3-wire BSC control connector from ECU. If blower shuts off, ECU is either improperly wired or damaged.</td>
<td>Be sure the small, 20 GA white ground wire is connected to the battery ground post. If it is, replace the ECU.</td>
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<tr>
<td></td>
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<td></td>
<td>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 &quot;ground&quot; side of the blower is shorted to chassis ground, the blower will run on HI.</td>
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<td></td>
<td>Replace BSC (This will require removal of evaporator from vehicle).</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Compressor will not turn on (All other functions work).</td>
<td>System is not charged.</td>
<td>System must be charged for compressor to engage.</td>
<td>Charge system or bypass pressure switch.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Danger: Never bypass safety switch with engine running. Serious injury can result.</td>
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<tr>
<td></td>
<td></td>
<td>Check for faulty A/C potentiometer or associated wiring (Not applicable to 3-pot controls).</td>
<td>Check for faulty A/C potentiometer or associated wiring.</td>
<td>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.</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Check continuity to ground on white control head wire.</td>
<td>Disconnected or faulty thermistor will cause compressor to be disabled.</td>
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<td></td>
<td>Check for 5V on red control head wire.</td>
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<td></td>
<td>Repair or replace pot/control wiring.</td>
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</tr>
<tr>
<td>3.</td>
<td>Compressor will not turn off (All other functions work).</td>
<td>System is charged.</td>
<td>Check for disconnected or faulty thermistor.</td>
<td>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.</td>
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<td>Check 2-pin connector at ECU housing.</td>
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<td>Replace relay.</td>
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</tr>
<tr>
<td>Symptom</td>
<td>Condition</td>
<td>Checks</td>
<td>Actions</td>
<td>Notes</td>
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<td>------------------------------------------------------------------------</td>
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<tr>
<td>System will not turn on, or runs intermittently.</td>
<td>Works when engine is not running; shuts off when engine is started (Typically early Gen IV, but possible on all versions).</td>
<td>Noise interference from either ignition or alternator.</td>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td>Will not turn on under any conditions.</td>
<td>Will not turn on under any conditions.</td>
<td>Verify connections on power lead, ignition lead, and both white ground wires.</td>
<td>Check for positive power at heater valve green wire and blower red wire. Check for ground on control head white wire.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vance interference from either ignition or alternator.</td>
<td>Verify battery voltage is greater than 10 volts and less than 16.</td>
<td>Verify proper meter function by checking the condition of a known good battery.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Loss of mode door function.</td>
<td>Check for damaged mode switch or potentiometer and associated wiring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Partial function of mode doors.</td>
<td>Check for obstructed or binding mode doors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Battery voltage is less than 12V.</td>
<td>Check for obstructed or binding mode doors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Blower turns on and off rapidly.</td>
<td>Battery voltage is at least 12V.</td>
<td>Check for at least 12V at circuit breaker.</td>
<td>Ensure all system grounds and power connections are clean and tight.</td>
<td>System shuts off blower at 10V. Poor connections or weak battery can cause shutdown at up to 11V.</td>
</tr>
<tr>
<td></td>
<td>Battery voltage is less than 12V.</td>
<td>Check for faulty battery or alternator.</td>
<td>Charge battery.</td>
<td></td>
</tr>
<tr>
<td>7. Erratic functions of blower, mode, temp, etc.</td>
<td>Check for obstructed or binding mode doors.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Check for damaged switch or pot and associated wiring.</td>
<td>Repair or replace.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. When ignition is turned on, blower momentarily comes on, then shuts off. This occurs with the blower switch in the OFF position.</td>
<td>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.</td>
<td>Run red power wire directly to battery.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Kick Panel Cut Out Template
1968-72 Chevelle without Factory Air

Cut This Area

Cut Along Dotted Line
Packing List:
Evaporator Kit (561068)

<table>
<thead>
<tr>
<th>No.</th>
<th>Qty.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>762169</td>
<td>Gen IV Evaporator Sub Case, 4-Vent with 2” &amp; 2 ½”</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>784165</td>
<td>Accessory Kit, 1968-69 Chevrolet Chevelle without Factory Air</td>
</tr>
</tbody>
</table>

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