



Streamline

Gen IV/5 Oval Control Panel Kit

Polished (490751)

Black Anodized (490755)

Clear Anodized (490761)



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Important Notice—Please Read

This control panel is designed to work with a Gen IV evaporator unit equipped with a 246204-PUA ECU (all ECU's on Gen 5 evaporators will work with this control). Please confirm that your unit has the proper ECU prior to installing the control panel as shown below. A replacement ECU can be purchased from Vintage Air if needed.

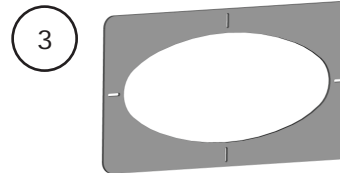


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Packing List: Control Panel Kit (490751)

No.	Qty.	Part No.	Description
1.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
2.	1	490752	Control Panel Assembly, Polished
3.	1	641081	Template, Oval Panel

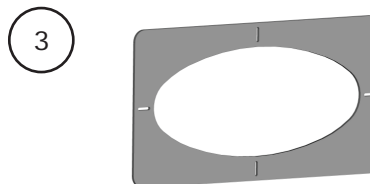
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**



Control Panel Kit (490755)

No.	Qty.	Part No.	Description
1.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
2.	1	490756	Control Panel Assembly, Black Anodized
3.	1	641081	Template, Oval Panel

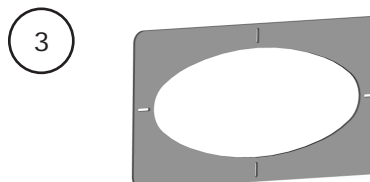
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**



Control Panel Kit (490761)

No.	Qty.	Part No.	Description
1.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
2.	1	490762	Control Panel Assembly, Clear Anodized
3.	1	641081	Template, Oval Panel

**** 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.



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Dash Modification

1. Select a suitable location for the control panel. Consider the size, shape and length of the control panel harness, as well as access to the wiring harness connector.
2. After selecting a location, mask the area 3 ½" x 6 ½".
3. Place the provided template onto the masked area. Center and level the template using the reference slots (See Photo 1, below).
4. Trace and cut out the oval shape for the control panel opening (See Photo 1, below).
5. Remove the masking.

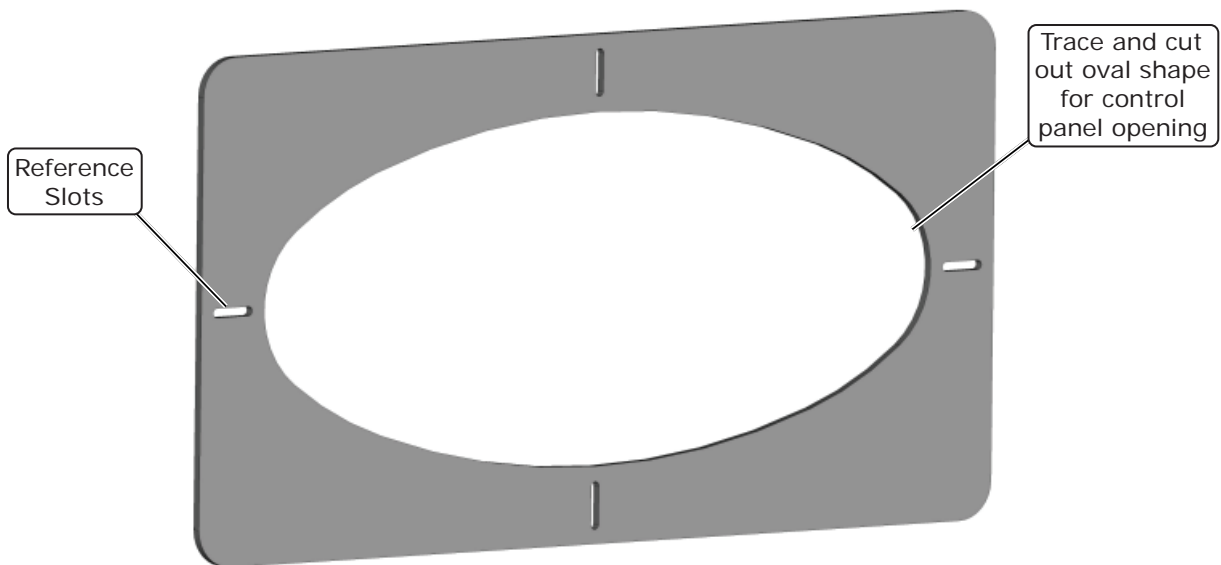


Photo 1



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Control Panel Installation

1. Remove the (4) 8-32 x 3/8" pan head screws and (2) control panel brackets from the rear of the control panel (See Figures 1 and 2, below).

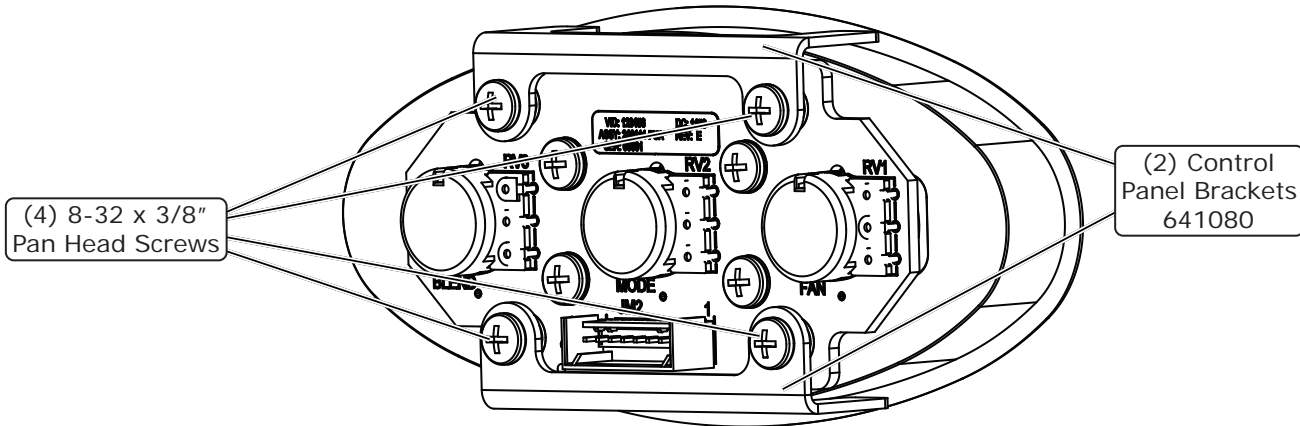


Figure 1

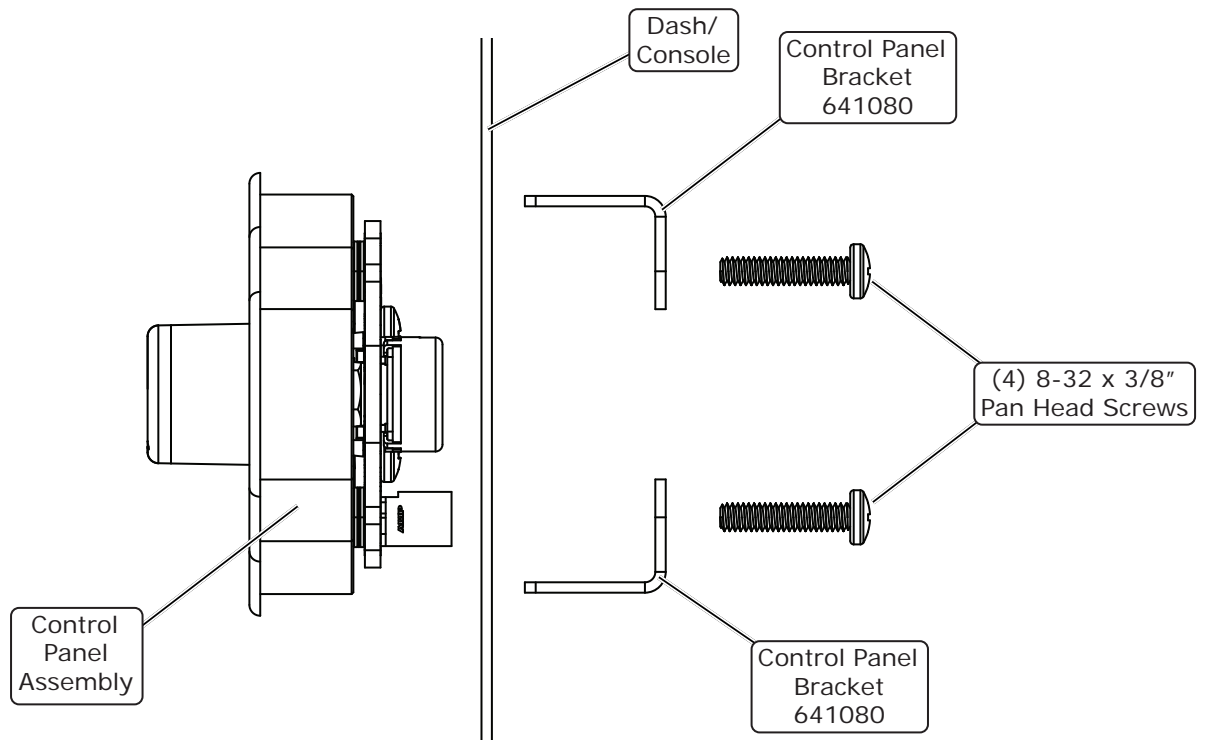


Figure 2



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Control Panel Installation (Cont.)

2. Install the control panel into the previously cut mounting hole (See Figures 3 and 4, below).

Install control panel into previously cut mounting hole

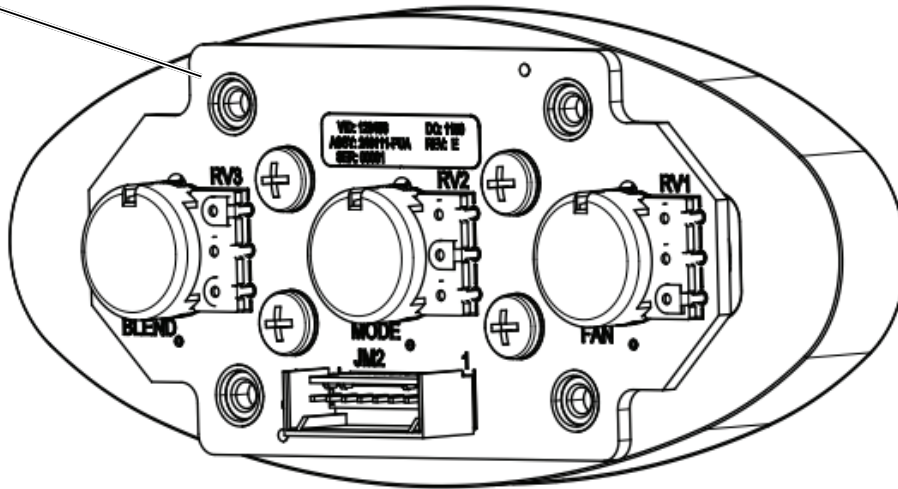


Figure 3

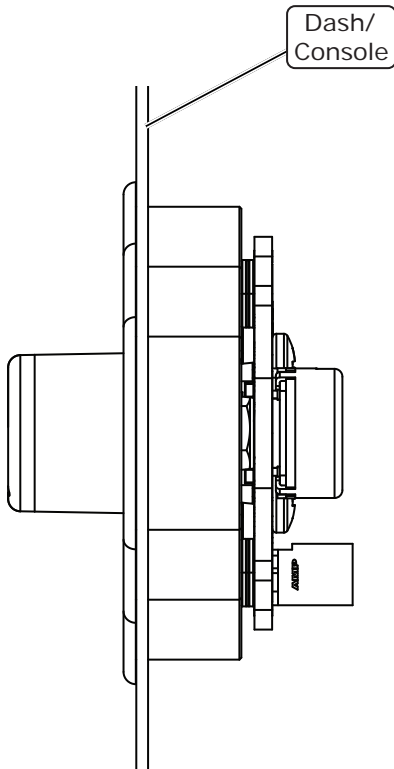


Figure 4



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Control Panel Installation (Cont.)

3. Replace both of the control panel brackets, and secure them using (4) 8-32 x 3/8" pan head screws (See Figures 5 and 6, below). Tighten until snug. **NOTE: Overtightening the mounting screws could damage the control board.**

Replace both control panel brackets, and secure using (4) 8-32 x 3/8" pan head screws

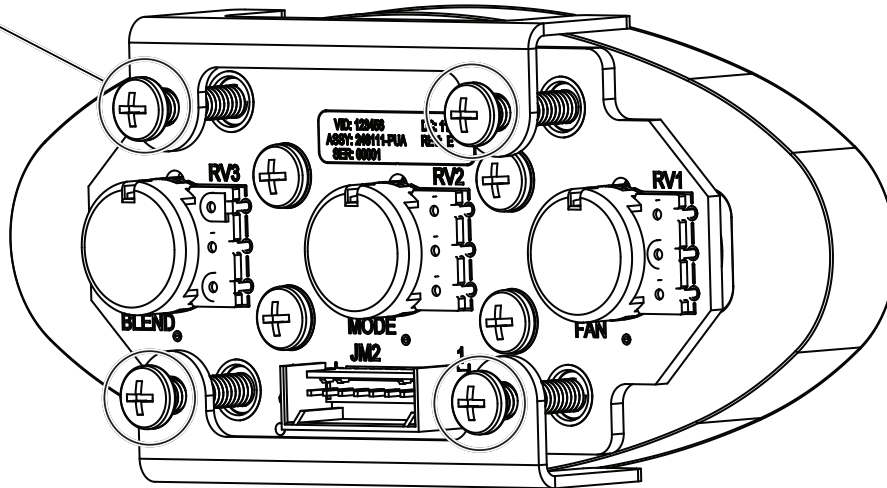


Figure 5

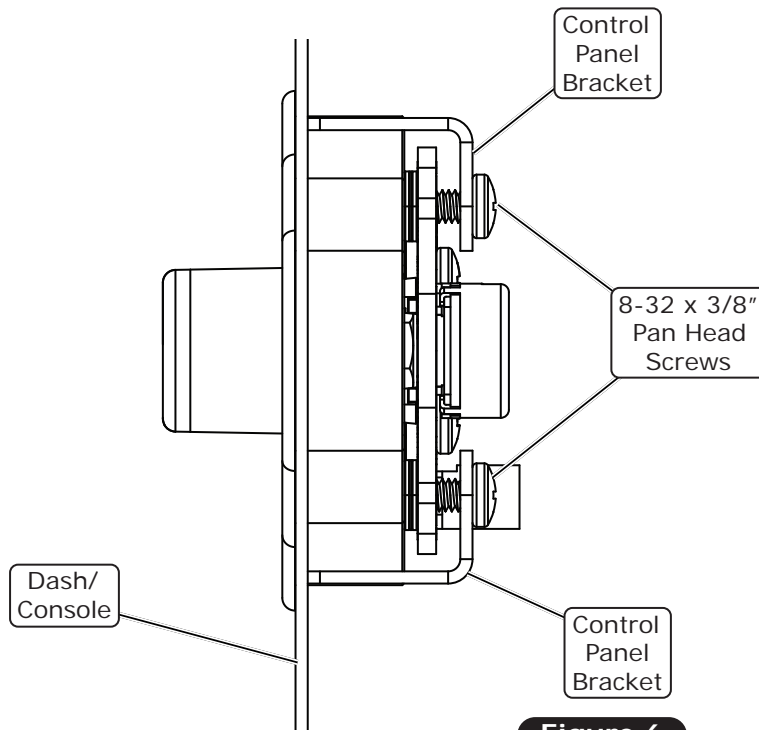


Figure 6



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Control Panel Installation (Final)

4. Install the wiring harness onto the PC board and ECU.

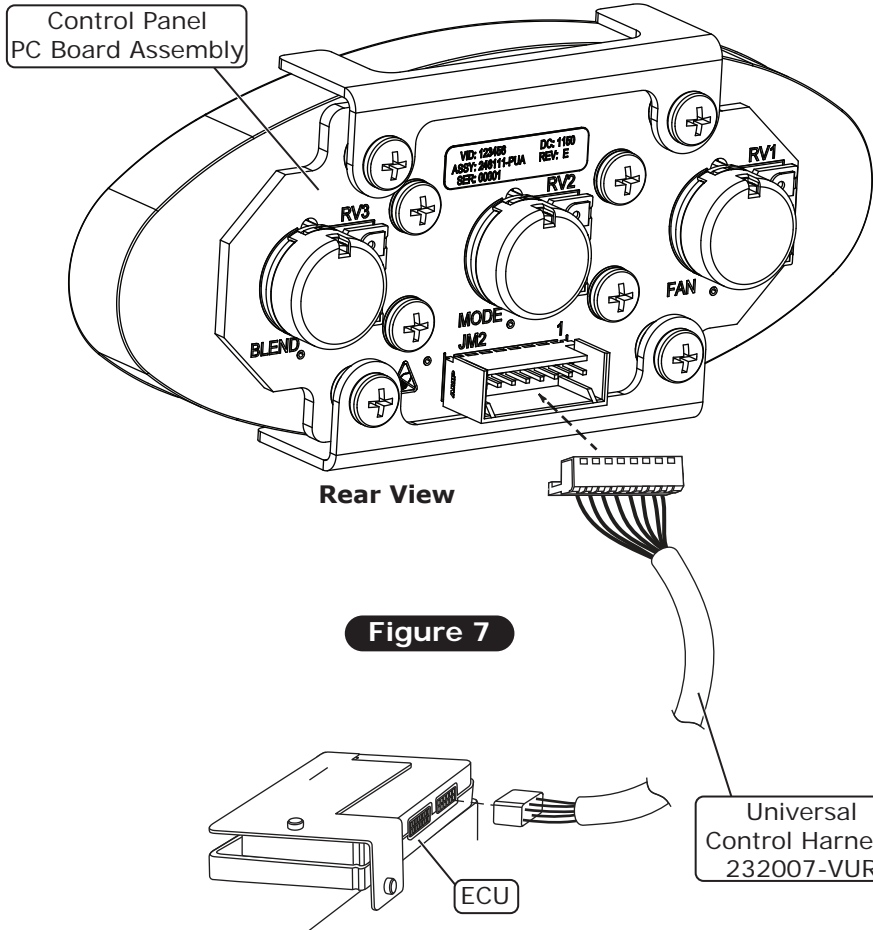


Figure 7

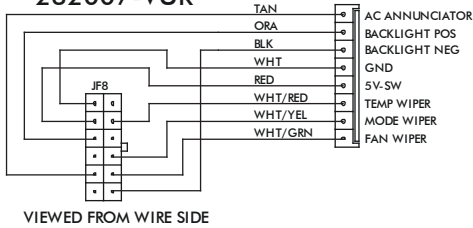
NOTE: When using a Vintage Air supplied control panel, connect the TAN 20 AWG wire from the Gen IV evaporator wiring harness (232010) or the Gen 5 evaporator wiring harness (231505) to the factory dash lights to enable panel backlighting.



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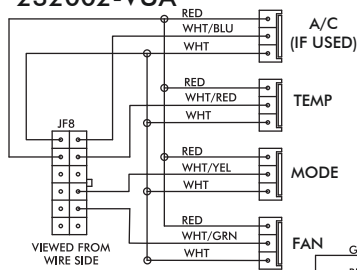
Gen IV Wiring Diagram

232007-VUR



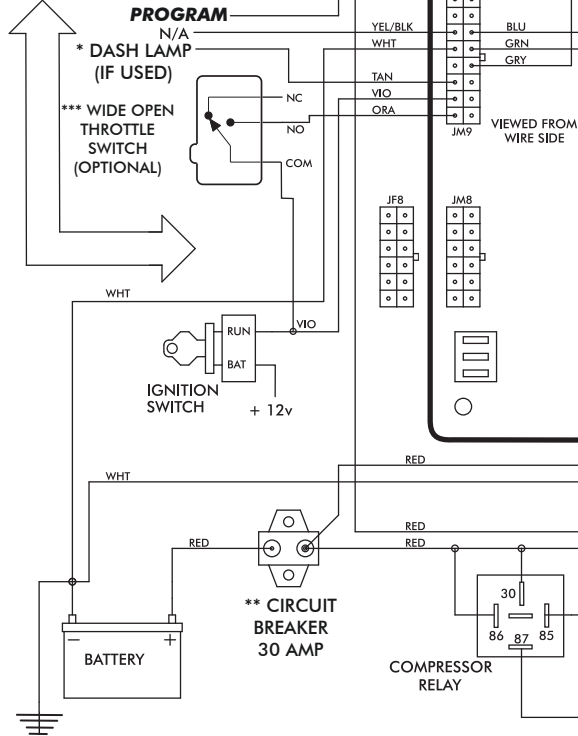
VIEWED FROM WIRE SIDE

232002-VUA

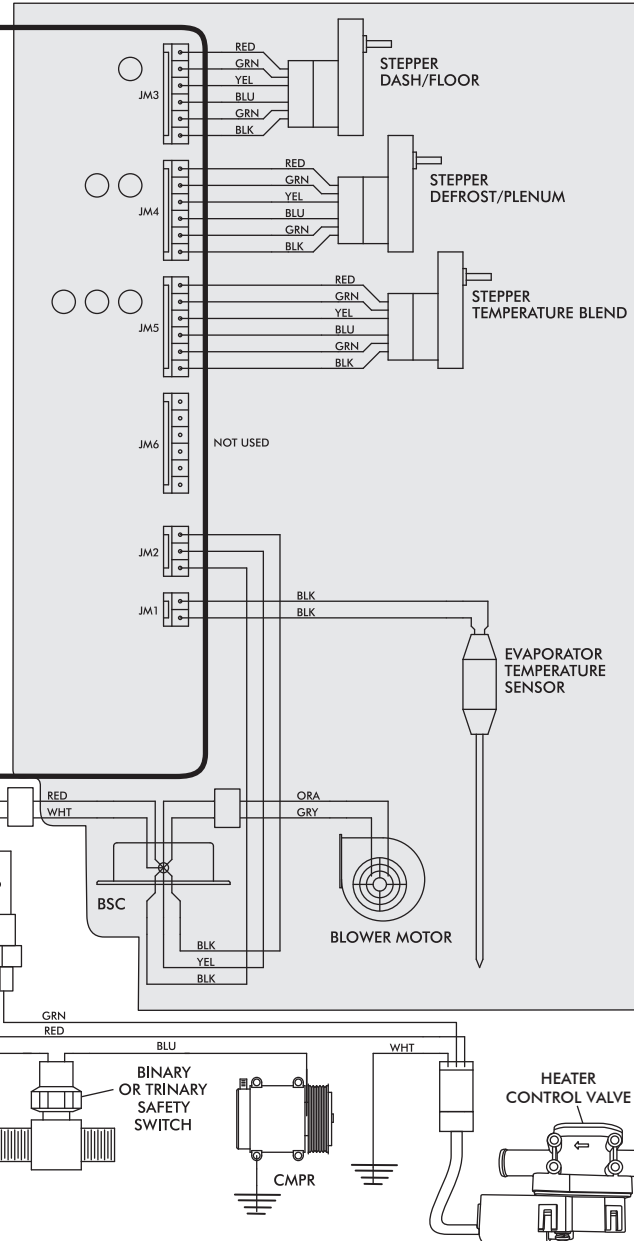


PROGRAM

N/A
* DASH LAMP
(IF USED)
*** WIDE OPEN
THROTTLE SWITCH
(OPTIONAL)



PRE-WIRED



NOTE: = CHASSIS GROUND

* Dash lamp is used only with type 232007-VUR harness.

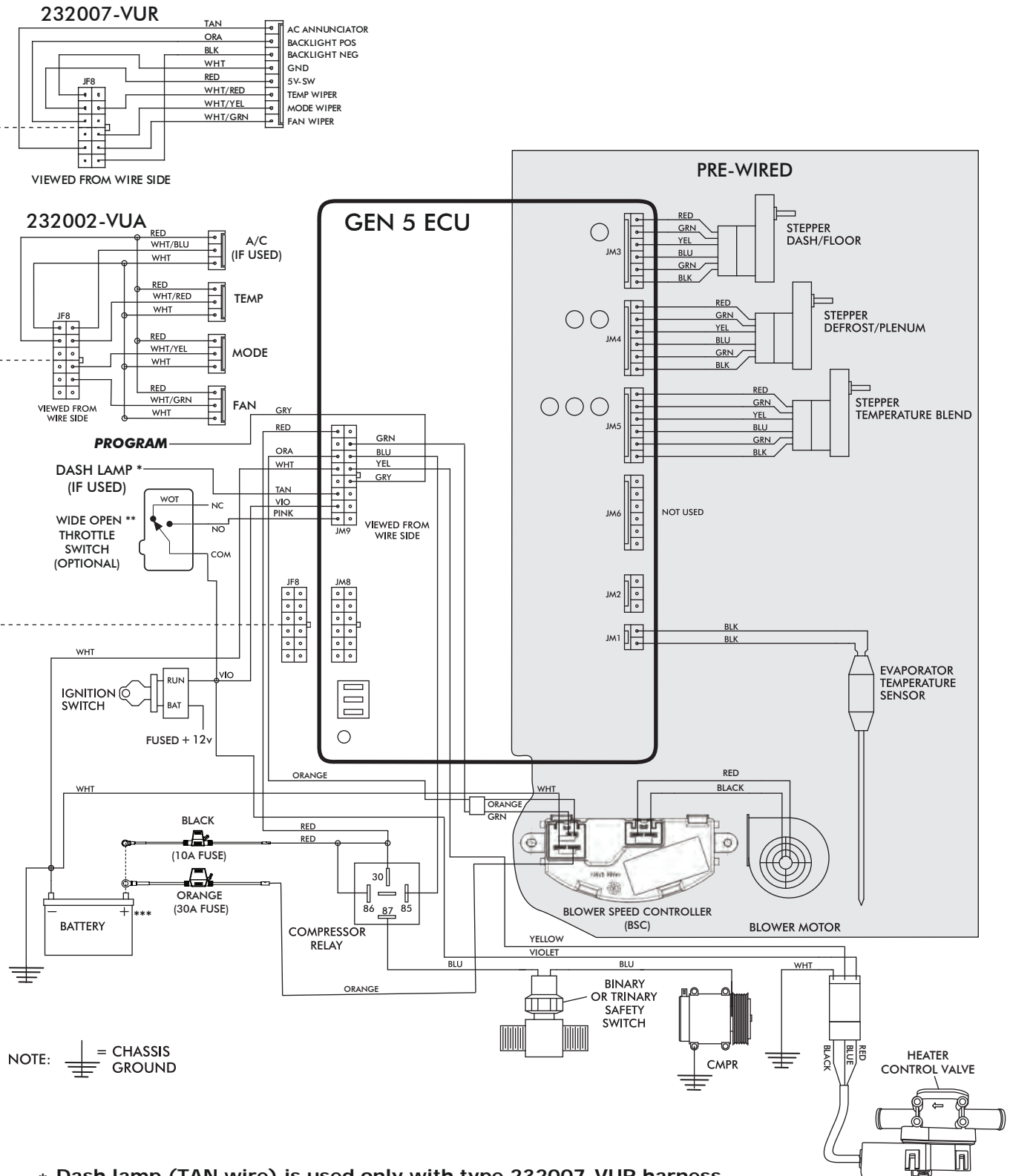
** Warning: Always mount circuit breaker as close to the battery as possible. (NOTE: Wire between battery and circuit breaker is unprotected and should be carefully routed to avoid a short circuit).

*** Wide open throttle switch contacts close only at full throttle, which disables A/C compressor.



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Gen 5 Wiring Diagram



NOTE: = CHASSIS GROUND

- * Dash lamp (TAN wire) is used only with type 232007-VUR harness.
- ** Wide open throttle switch contacts close only at full throttle, which disables A/C compressor.
- *** Install fuse assemblies at or as near to the battery as possible.



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Operation of Controls

On Gen IV and Gen 5 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 in and out of heat and A/C operations, to indicate the change.

Blower Speed

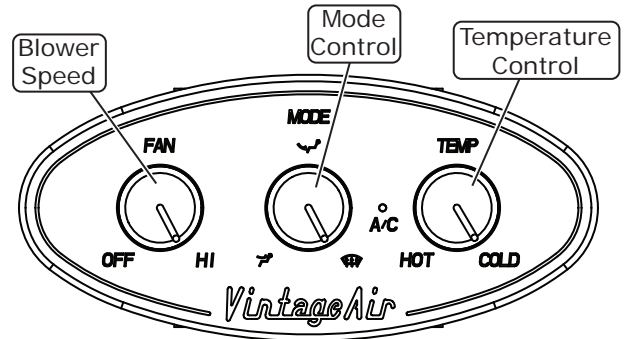
This lever/knob controls blower speed, from OFF to HI.

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

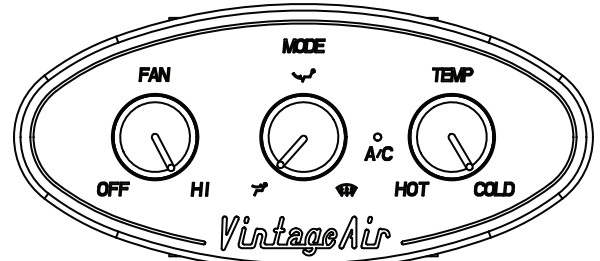
Adjust to desired speed.

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

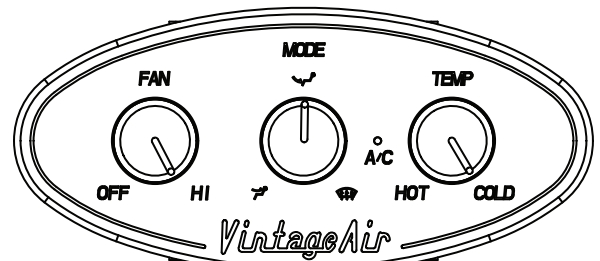
Adjust to desired speed.

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

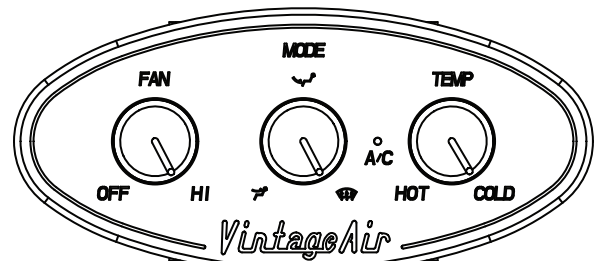
Adjust to desired speed.

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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2.	1	490752	Control Panel Assembly, Polished
3.	1	641081	Template, Oval Panel

Checked By: _____
Packed By: _____
Date: _____

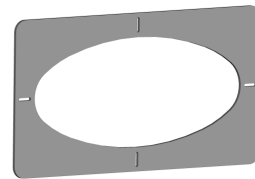
1



2



3



Control Panel Kit (490755)

No.	Qty.	Part No.	Description
1.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
2.	1	490756	Control Panel Assembly, Black Anodized
3.	1	641081	Template, Oval Panel

Checked By: _____
Packed By: _____
Date: _____

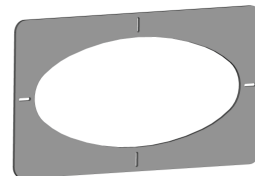
1



2



3



Control Panel Kit (490761)

No.	Qty.	Part No.	Description
1.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
2.	1	490762	Control Panel Assembly, Clear Anodized
3.	1	641081	Template, Oval Panel

Checked By: _____
Packed By: _____
Date: _____

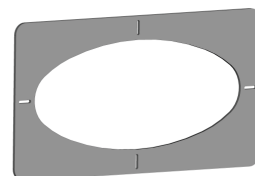
1



2



3



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