



1967 Ford F-100

**Control Panel Kit
(495000)**



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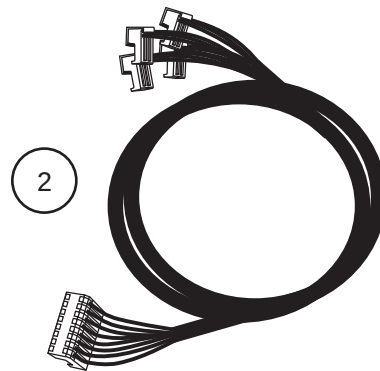
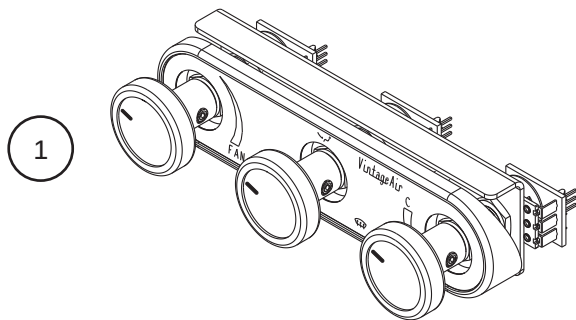


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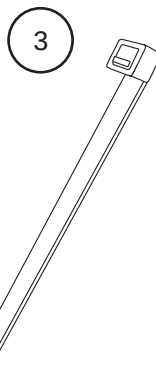
Packing List: Control Panel Kit (495000)

No.	Qty.	Part No.	Description
1.	1	495001	Control Panel Assembly, Chrome
2.	1	232002-VUA	Control Harness, Gen IV/Gen 5 Universal
3.	4	21301-VUP	Tie Wrap, 4"

**** 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: The control panel assembly is sent with a protective film attached to the control panel bezel placard and knobs. After installing the control panel, remove the protective film.



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



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Removing OEM Controls

1. Disconnect the control panel wiring and plugs. **NOTE: If the vehicle is not equipped with in-dash controls, proceed to Page 6.**
2. To remove the heater control switch and pull knobs, perform the following:
 - A. Remove the fan switch knob by loosening the set screw on the knob shaft (See Photo 1, below).
 - B. Unscrew the thread adapter counterclockwise and remove (See Photo 2, below).
 - C. Remove the fan switch bezel (See Photo 2, below), and the rest of the fan switch assembly out from behind the dash.
 - D. Remove the remaining (2) pull knobs by unscrewing the (2) jam nuts from the back of the dash (See Photo 3, below).
 - E. Remove the bracket (See Photo 3, below), then remove the pull knobs from the front of the dash (See Photo 4, below).

Loosen Set Screw

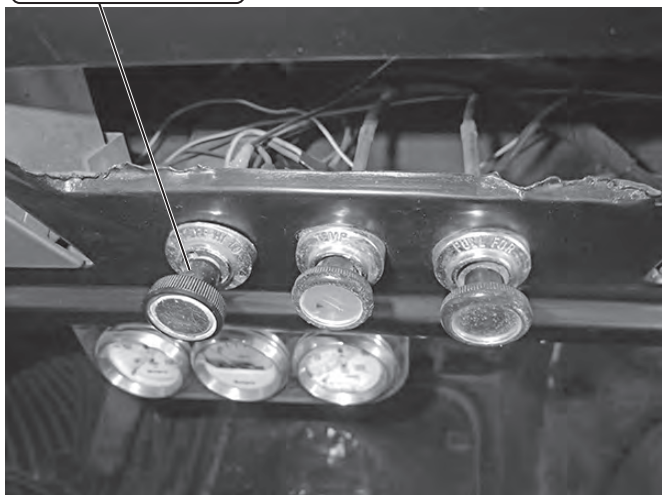


Photo 1

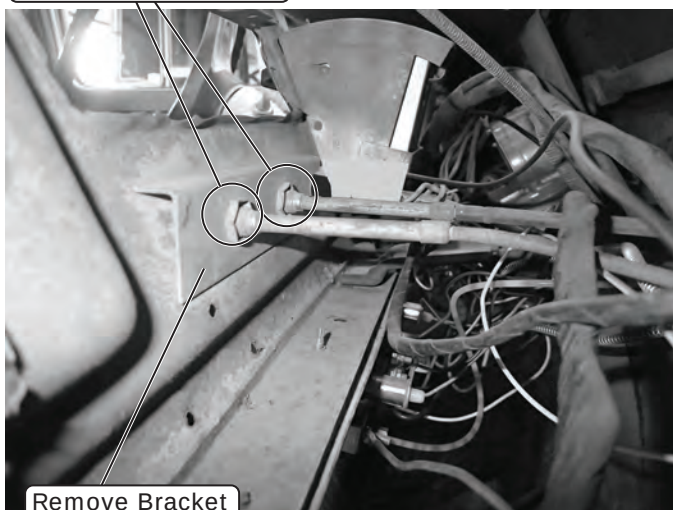
Unscrew Thread Adapter and Remove



Photo 2

Remove Fan Switch Bezel

Remove (2) Jam Nuts



Remove Bracket

Photo 3

Remove (2) Pull Knobs

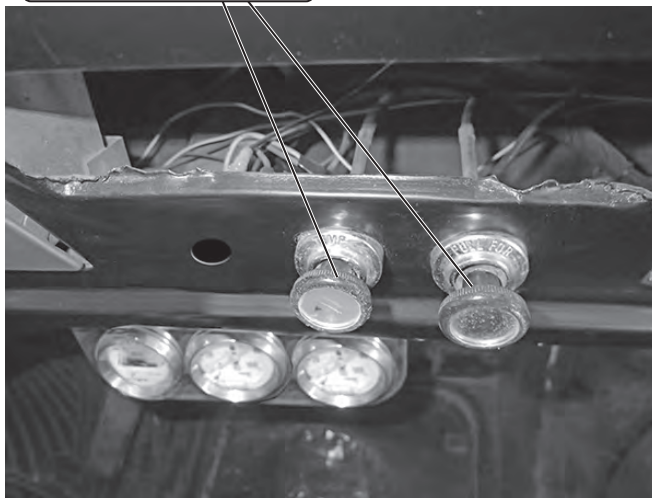


Photo 4



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Control Panel Installation

NOTE: To install the control panel, the control panel bezel and knobs must be disassembled.

1. Remove the (3) control knobs by loosening the set screws (See Figure 1, below).
2. Remove the (3) 3/8-32 jam nuts (See Figure 1, below).
3. Remove the control panel bezel (See Figure 1, below).
4. Install the wiring harness to the rotary pot assemblies as shown in Figure 1, below.
5. Secure the wiring harness to the rotary pot assemblies with the supplied tie wraps (See Figure 2, below).
6. Secure the unused wire to the wiring harness with a supplied tie wrap (See Figure 3, below).
7. Install the rotary pot/bracket assembly of the control panel from behind the dash, and reinstall the control panel bezel, jam nuts, and control knobs on the front of the dash (See Figure 4, below).
8. Remove the protective film from the front of the control knobs.

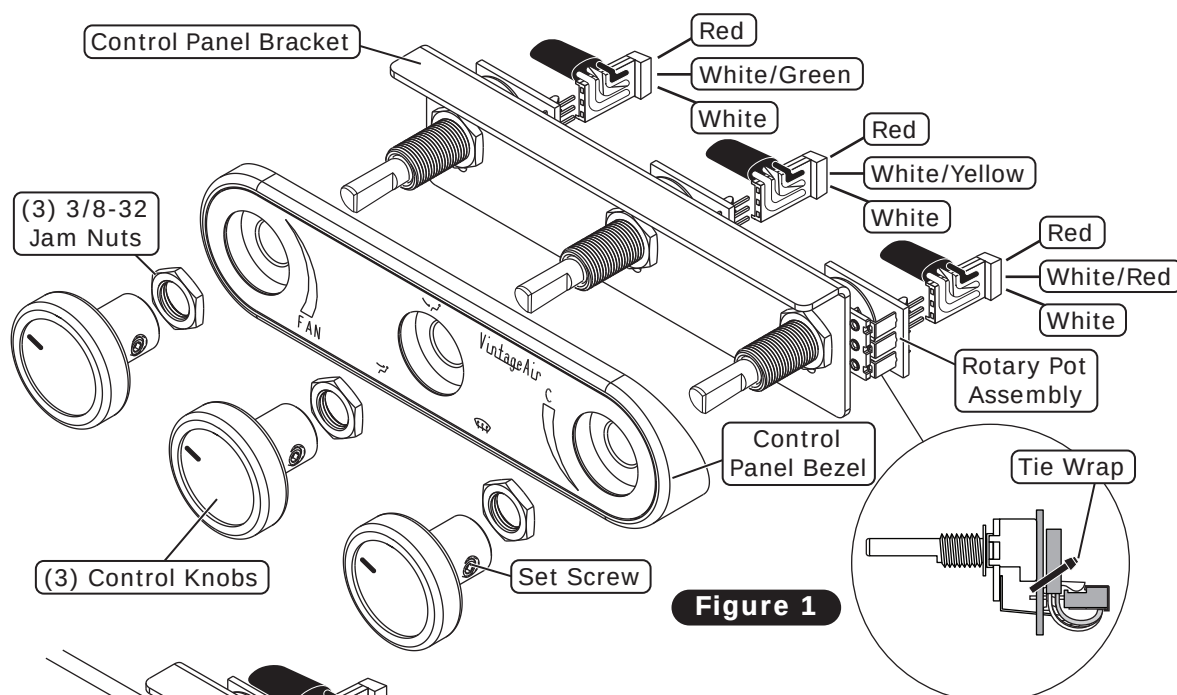


Figure 1

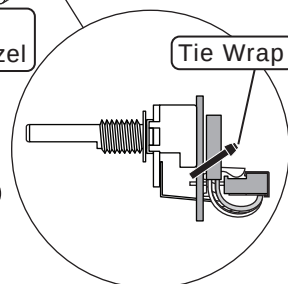


Figure 2

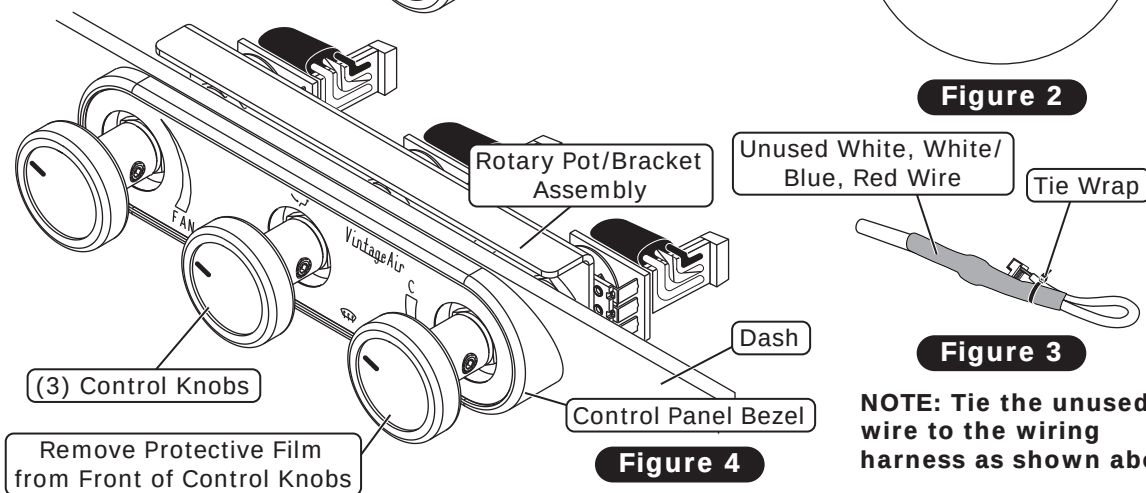


Figure 4

NOTE: Tie the unused wire to the wiring harness as shown above.



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Control Panel Installation with Heater Mounted OEM Controls

NOTE: Some 1967 Ford trucks came with heater controls on the heater unit (See Photo 1, below). The dash will need to be modified to accommodate the control panel. Before drilling, Vintage Air recommends protecting the dash with painters tape to avoid scratches. To install the control panel, the control panel bezel and knobs must be disassembled.

1. Remove the (3) control knobs by loosening the set screws (See Figure 1, Page 5).
2. Remove the (3) 3/8-32 jam nuts (See Figure 1, Page 5).
3. Remove the control panel bezel (See Figure 1, Page 5).
4. Install the wiring harness to the rotary pot assemblies as shown in Figure 1, Page 5.
5. Secure the wiring harness to the rotary pot assemblies with the supplied tie wraps (See Figure 2, Page 5).
6. Secure the unused wire to the wiring harness with a supplied tie wrap (See Figure 3, Page 5).
7. Mark a level horizontal line 2 3/4" from the bottom of the dash (See Figure 1, below).
8. Locate the center of the radio opening in the dash, and mark a vertical line intersecting with the previously marked horizontal line (See Figure 2, below).
9. Make a mark 2" to the right of the center, and another 2" to the left of the center as shown in Figure 3, below.
10. Drill (3) 13/32" holes into the dash as shown in Figure 4, below.
11. Reinstall the radio.
12. Install the rotary pot/bracket assembly of the control panel from behind the dash, and reinstall the control panel bezel, jam nuts, and control knobs (See Figure 4, Page 5).

OEM Heater Controls on Unit



Photo 1

Mark Horizontal Line
from Bottom of Dash

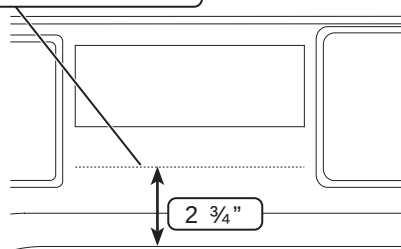


Figure 1

Locate Center of Radio
and Mark Vertical Line

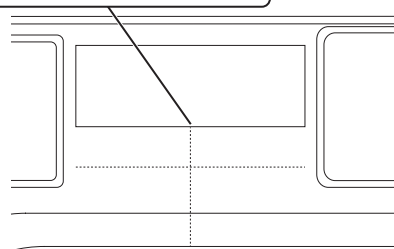


Figure 2

Measure 2" to the Left and Right
of the Intersecting Lines and Mark

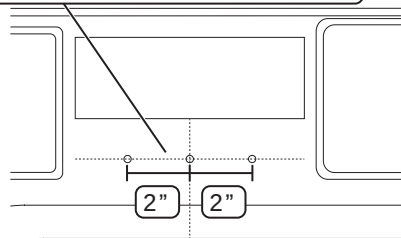


Figure 3

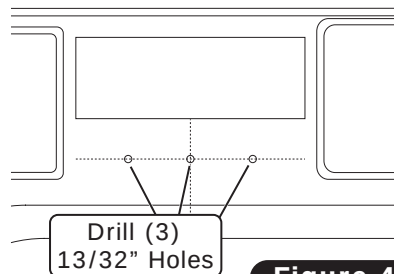


Figure 4



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Final Steps

1. Plug the wiring harnesses into the ECU module on the sub case (See Figure 1, below).
2. Wire the unit according to the wiring diagram on Page 8 or 9.

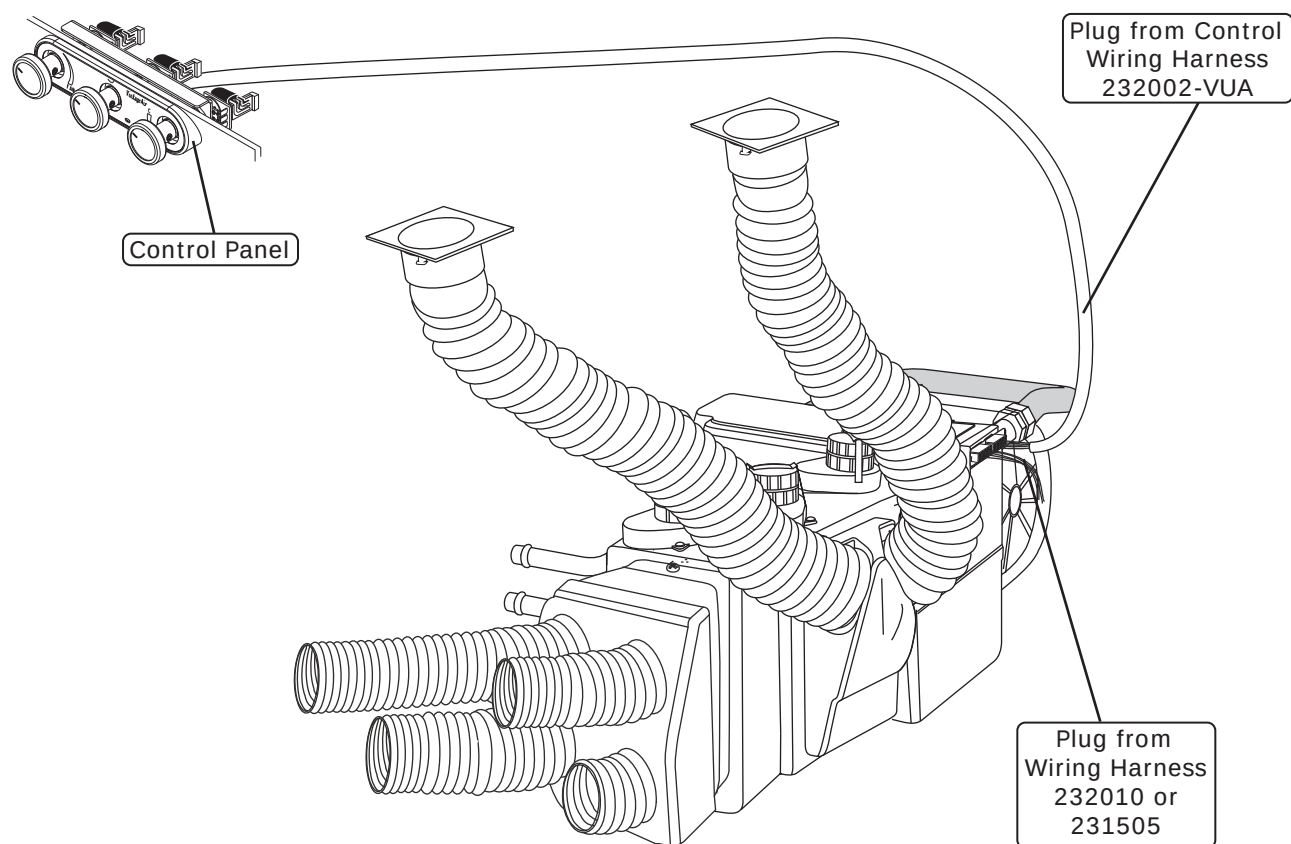
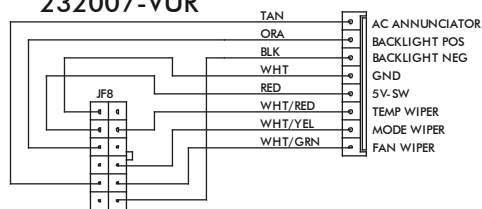


Figure 1

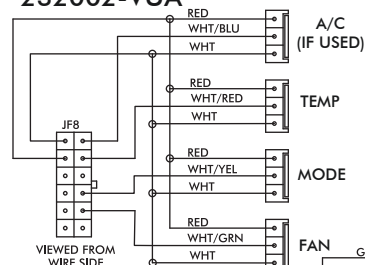


232007-VUR



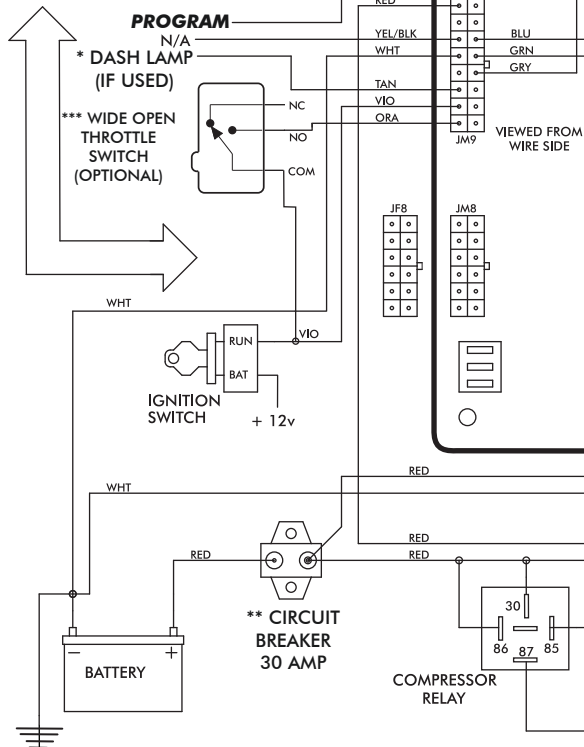
VIEWED FROM WIRE SIDE

232002-VUA



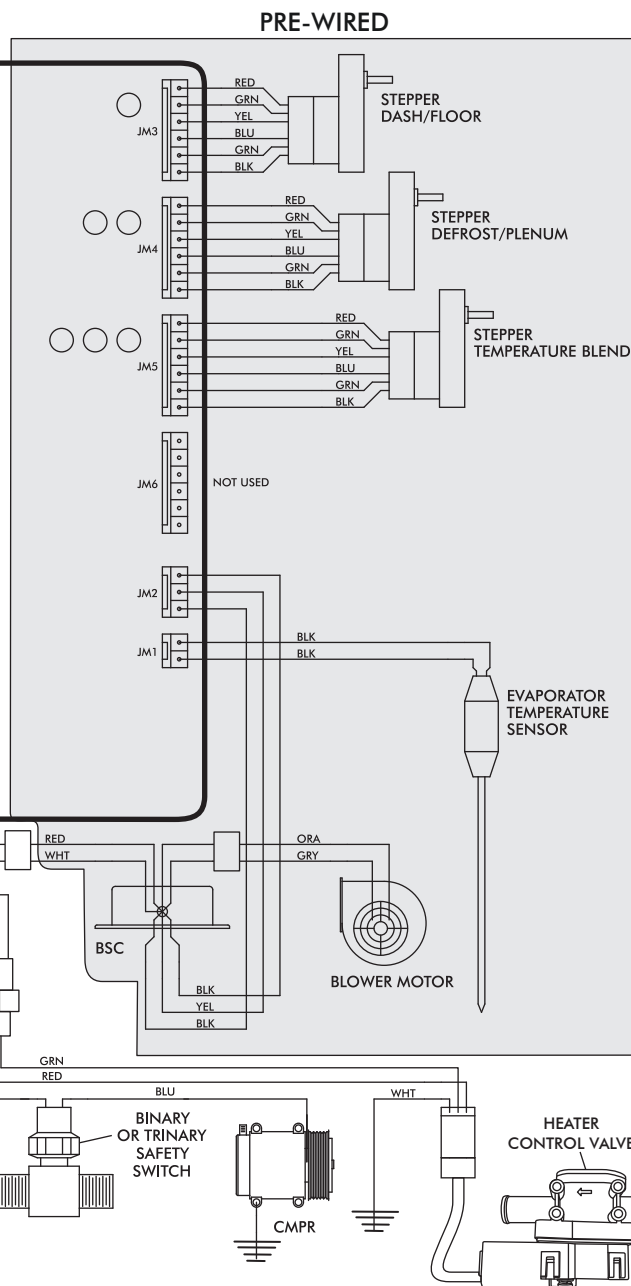
VIEWED FROM
WIDE SIDE

PROGRAM



NOTE:  = CHASSIS GROUND

GEN IV ECU

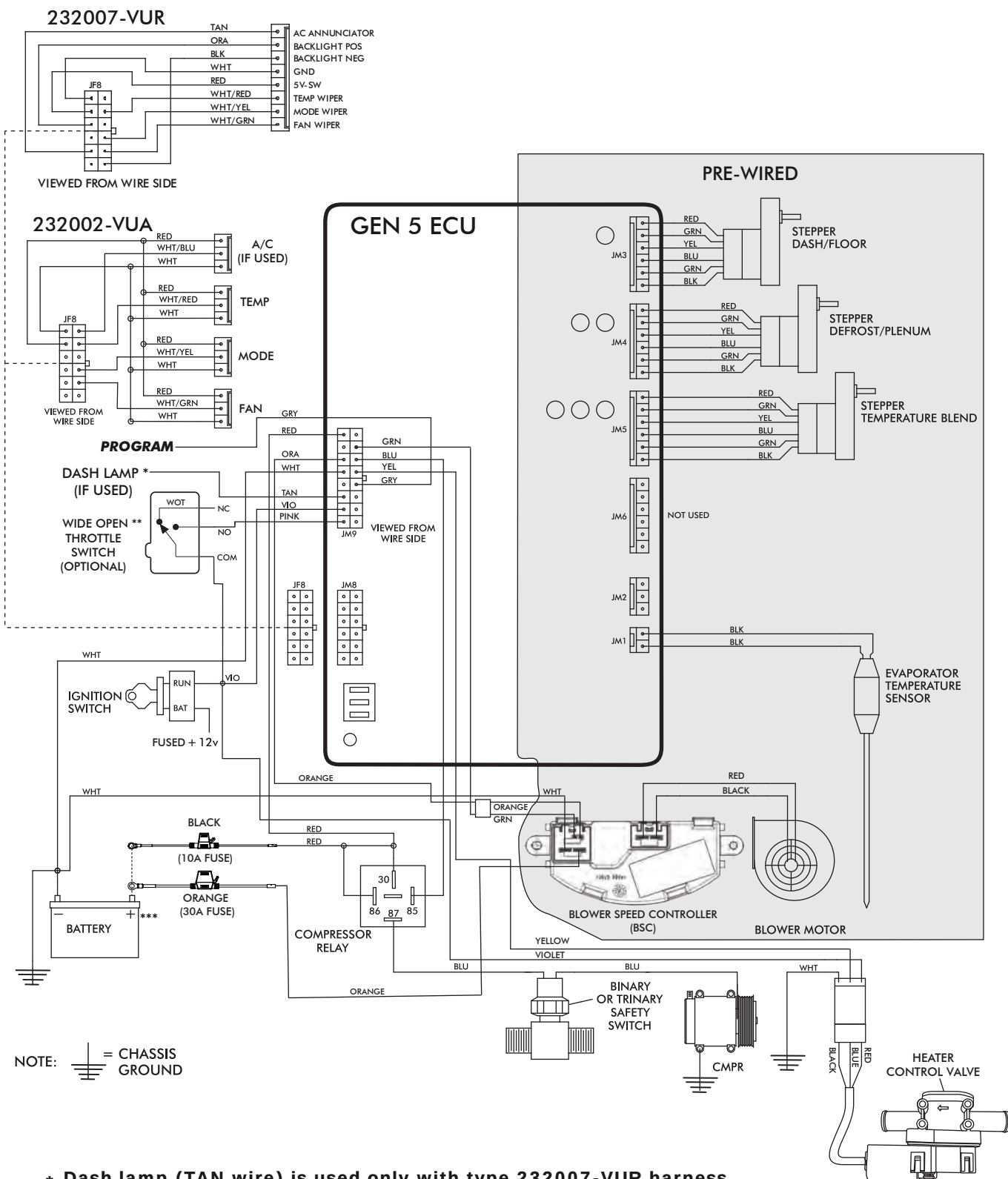


- * Dash lamp is used only with type 232007-VUR harness.
- ** **Warning:** Always mount circuit breaker as close to the battery as possible. (NOTE: Wire between battery and circuit breaker is unprotected and should be carefully routed to avoid a short circuit).
- *** Wide open throttle switch contacts close only at full throttle, which disables A/C compressor.



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Gen 5 Wiring Diagram



* 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 or 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

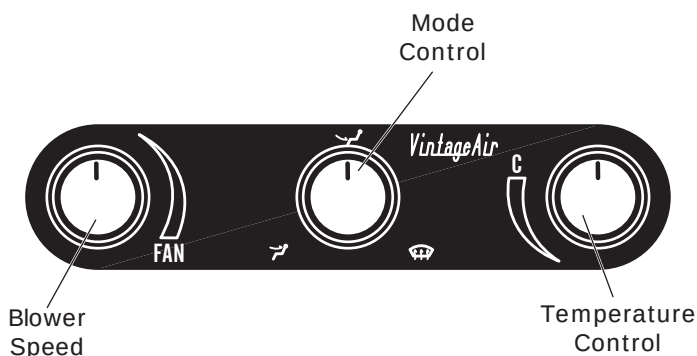
This lever/knob controls blower speed, from OFF to HI.

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

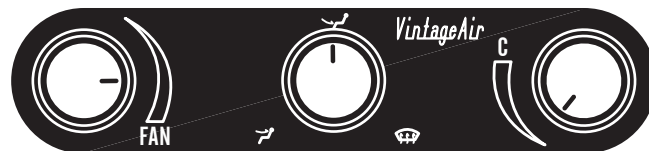
Adjust to desired speed.

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).



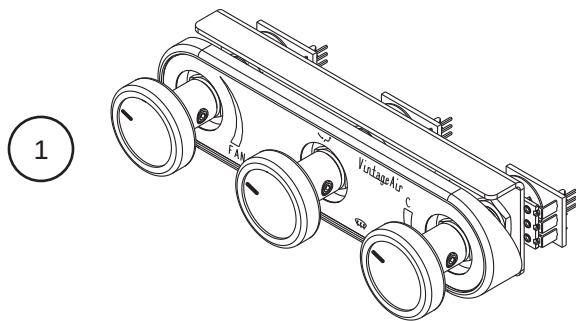


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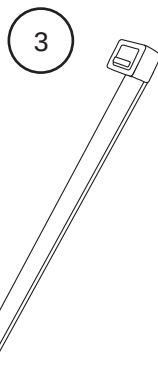
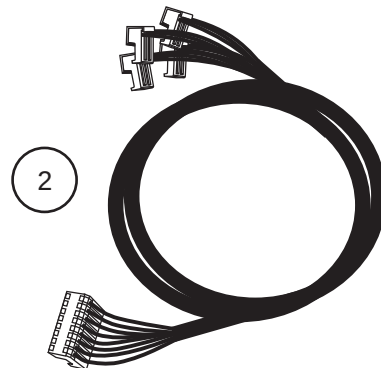
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Checked By: _____
Packed By: _____
Date: _____



NOTE: The control panel assembly is sent with a protective film attached to the control panel bezel placard and knobs. After installing the control panel, remove the protective film.



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