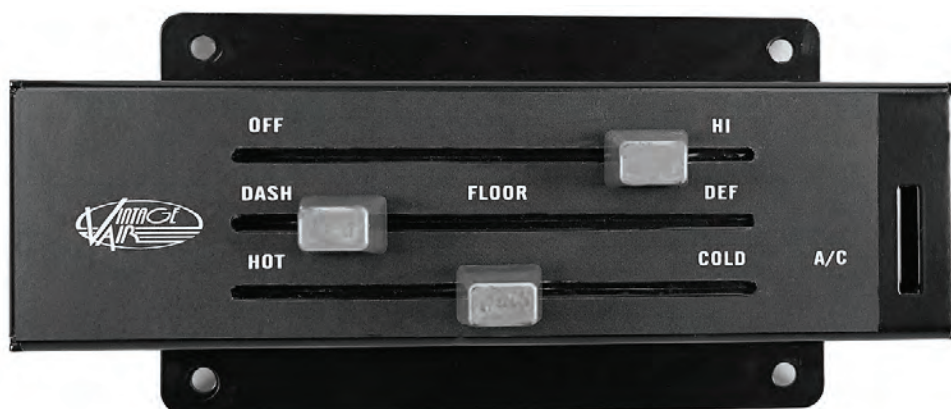




1973-86 Ford F-Series / 1978-86 Bronco

**Control Panel Kit
(473255)**



18865 Goll St. San Antonio, TX 78266
Phone: 800-862-6658
Sales: sales@vintageair.com
Tech Support: tech@vintageair.com
www.vintageair.com



www.vintageair.com

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Packing List: Control Panel Kit (473255)

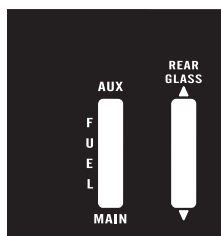
No.	Qty.	Part No.	Description
1.	1	473256	Control Panel Assembly
2.	1	484163	Mode Label
3.	1	647102	Bracket, Control Panel Switch
4.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal
5.	5	181130	Pop Rivet, 1/8" x 1/4", Black
6.	4	18235-VUB	Screw, #8 x 1/2", Pan Head
7.	3	21300-VUP	Tie Wrap, 11"
8.	4	181077	Screw, #8 x 3/4", Countersunk with Washer
9.	4	189801	U-nut, #8

**** 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



2



3



4



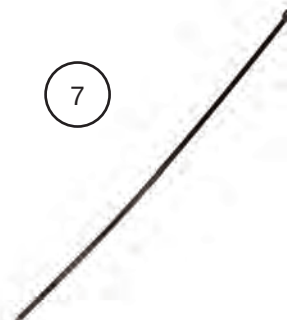
5



6



7



8



9



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



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1973-79 F-Series / 1978-79 Bronco OEM Control Panel Removal

Perform the Following:

1. Remove the (4) OEM control panel screws (See Photo 1, below).
 2. Disconnect all the plugs and cables (See Photo 2, below).
 3. Remove the control panel from the dash (See Photo 3, below).
 4. Remove the knob from the OEM rear window/fuel tank switch (See Photo 4, below). Remove (1) mounting bracket screw from the control panel and remove the switch (if equipped) (See Photo 5, below).
- NOTE: The switch and knob will be reinstalled on the new control panel.**

Remove (4) OEM
control panel screws



Photo 1

Disconnect all
plugs and cables

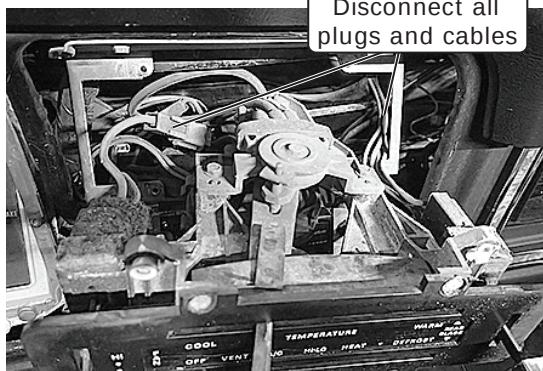


Photo 2

Control panel
removed from dash

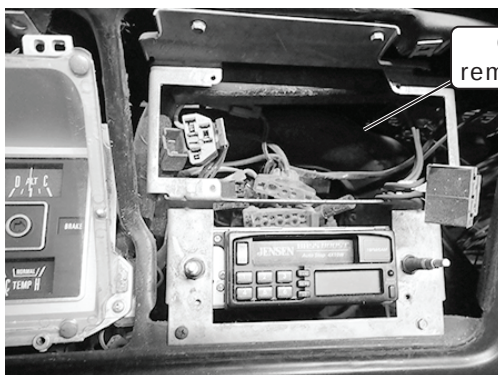
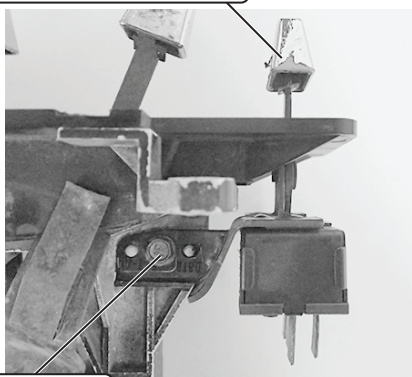


Photo 3

Remove knob from OEM
window/fuel tank switch



Remove (1) bracket
mounting screw
from control panel

Photo 4

Remove switch

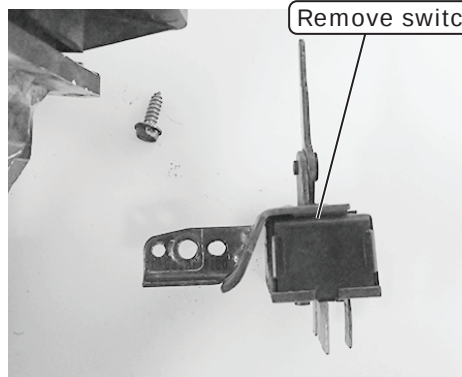


Photo 5



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1980-86 F-Series/Bronco OEM Control Panel Removal

NOTE: The OEM control panel was removed during the dash removal shown in the evaporator installation instructions.

1. Disconnect all the plugs and cables (See Photo 1, below).
2. Remove the knob from the OEM rear window/fuel tank switch (See Photo 2, below). Remove the mounting bracket screw from the control panel, then remove the switch (if equipped) (See Photo 3, below).

NOTE: The switch and knob will be reinstalled on the new control panel.

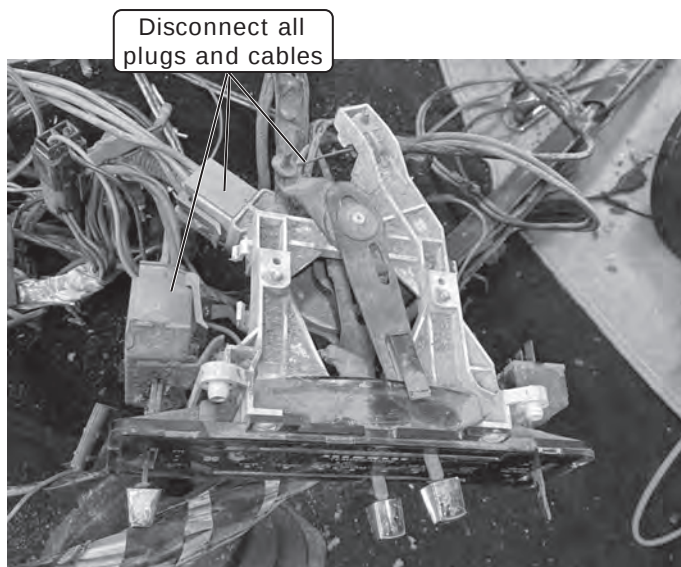


Photo 1

Remove knob from OEM
window/fuel tank switch

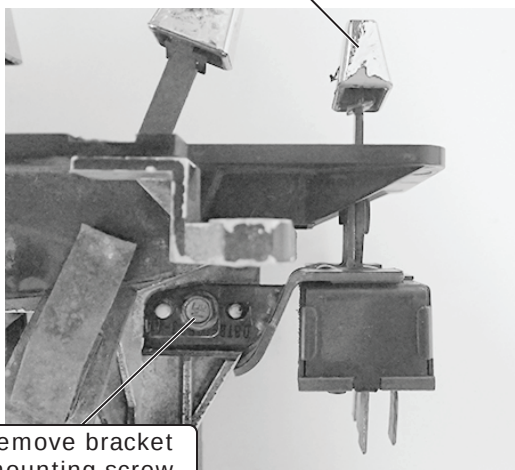


Photo 2

Remove switch

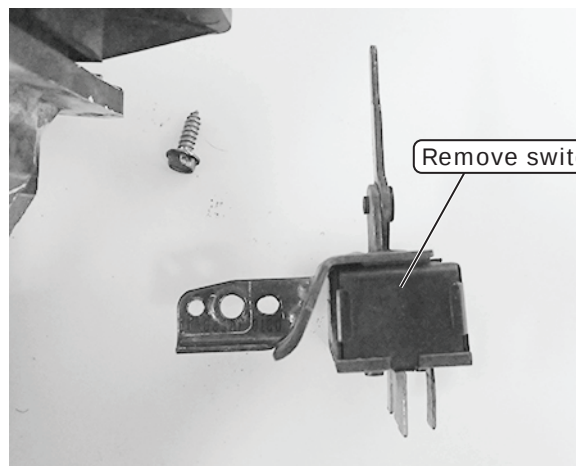


Photo 3



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Control Panel Options

Rear Window Switch

If your OEM control panel was equipped with a rear window switch, locate the placard for the window switch and affix it over the switch opening as shown in Photos 1 and 2, below.

Auxiliary Fuel Tank Switch

If your OEM control panel was equipped with a fuel tank switch, locate the placard for the fuel tank switch and affix it over the switch opening as shown in Photos 3 and 4, below.

No Switch

If your OEM control panel was not equipped with an additional switch, locate the blank placard and affix it over the switch opening as shown in photos 5 and 6, below.

Control Panel
Assembly
473256



Place Rear Window
Switch Placard

Photo 1

Rear Window
Switch Placard



Photo 2

Place Fuel Tank
Switch Placard



Photo 3

Fuel Tank
Switch Placard

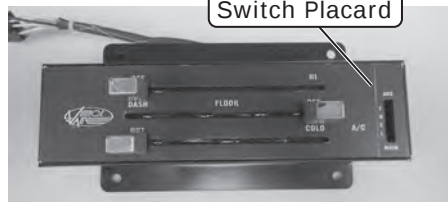


Photo 4

Place Blank Placard



Photo 5

Blank Placard



Photo 6



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OEM Switch and Bracket Installation

NOTE: If your OEM control panel was not equipped with an additional switch, skip this step and proceed to the control panel installation on Page 8 or 9.

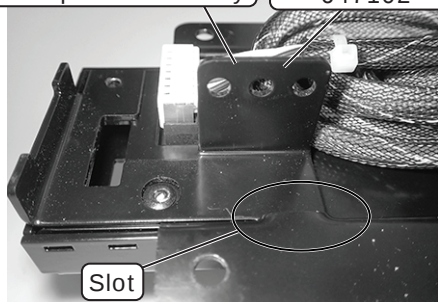
1. Locate the switch bracket and install it into the slot on the back of the control panel assembly (See Photo 1, below).
2. Secure the switch bracket using one of the supplied 1/8" x 1/4" black pop rivets (See Photo 2, below).
3. Install the OEM switch into the control panel opening (See Photo 3, below), and secure it to the switch bracket using (2) of the supplied 1/8" x 1/4" black pop rivets (See Photo 4, below). **NOTE: For reference the rear window switch is shown in Photo 4, below. The auxiliary fuel tank switch is shown in Photo 8, below, and will have a different connector on the back.**

Optional Step:

Some OEM switches are stiff and will require extra support or they will flex the switch bracket. Once the switch is installed with the pop rivets, test the switch. If the switch needs extra support, continue with the following steps.

4. Install the (2) 11" tie wraps through the slots on the top and bottom of the control panel (See Photo 5, below). Secure them around the OEM switch as shown in Photo 6, below.
5. Install the OEM knob onto the OEM switch (See Photo 7, below).

Locate switch bracket and install it into slot on back of control panel assembly



Control Panel Switch Bracket 647102

Photo 1

Secure switch bracket using one of the supplied 1/8" x 1/4" black pop rivets

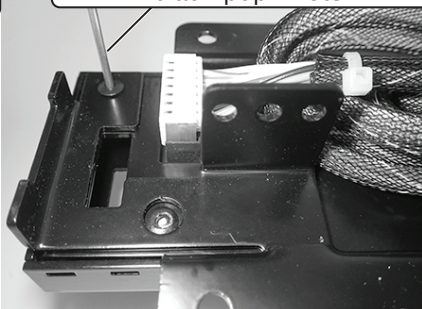


Photo 2

Install the OEM switch into the control panel opening

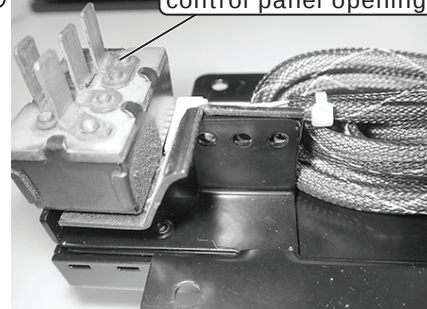
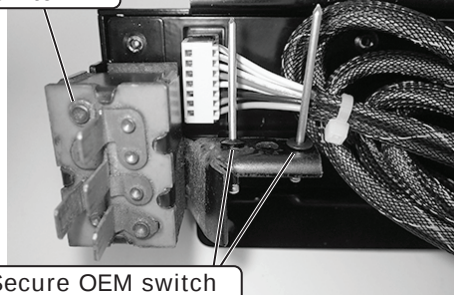


Photo 3

Rear window switch



Secure OEM switch using (2) 1/8" x 1/4" black pop rivets

Photo 4

Install (2) 11" tie wraps through slots on top and bottom of control panel

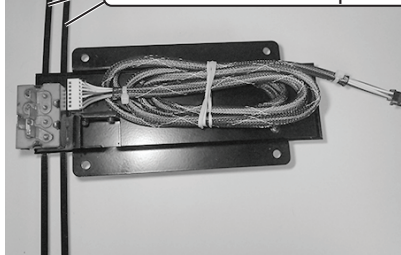


Photo 5

Secure tie wraps around the OEM switch

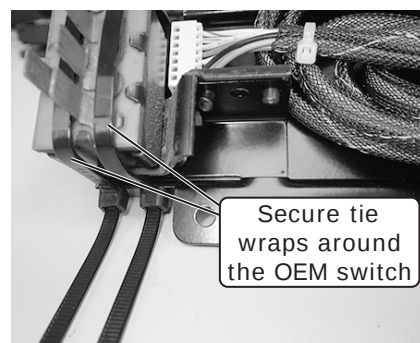
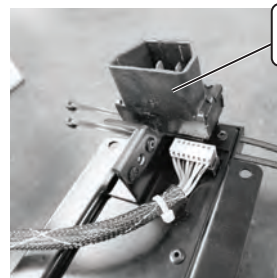


Photo 6



Install the OEM knob onto the OEM switch

Photo 7



Auxiliary fuel tank switch

For Reference Only

Photo 8



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1973-79 F-Series / 1978-79 Bronco Control Panel Installation

1. Reinstall the plug for the OEM switch, then install the Vintage Air control panel. Secure it using (4) #8 x 1/2" pan head screws (See Photo 1, below).
2. Plug the control panel harness connector into the ECU (See Photo 2, below). **NOTE: The ECU module is located on the evaporator sub case. When using a Vintage Air supplied control panel, connect the tan wire from the GEN IV evaporator wiring harness to the factory dash lights to enable panel backlighting.**

Install Vintage Air control panel and secure using (4) #8 x 1/2" pan head screws

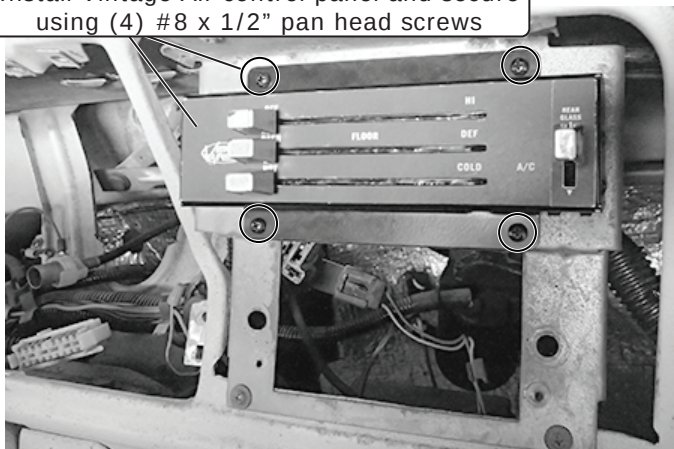


Photo 1

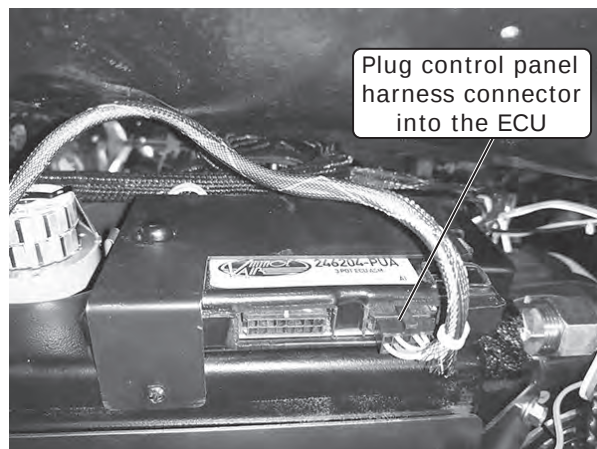


Photo 2



Final Installation

Photo 3



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1980-86 F-Series/Bronco Control Panel Installation

1. Install the (4) #8 U-nuts onto the control panel as shown in Photo 1, below.
2. Install the new control panel onto the dash using (4) #8 x 3/4" countersunk screws with washers (See Photo 2, below). **NOTE: The control panel installs against the back side of the dash, with the screws inserting into the front.**
3. Route the control cables over to the passenger side of the dash, then temporarily attach them to keep them out of the way during dash reinstallation.

Install (4) #8 U-nuts onto the control panel



Photo 1

Install new control panel and secure using (4) #8 x 3/4" Countersunk screws with washers

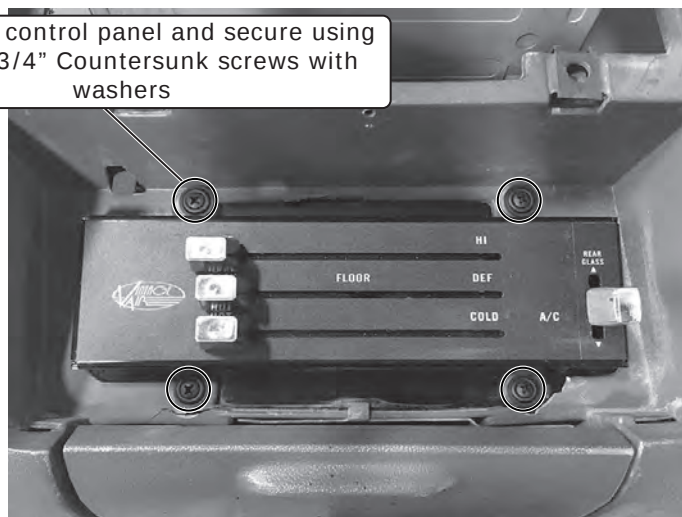


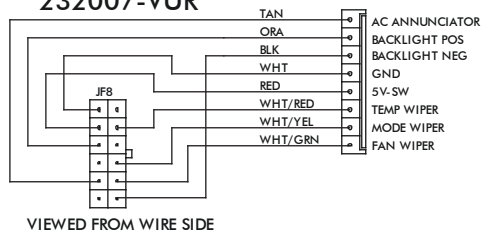
Photo 2



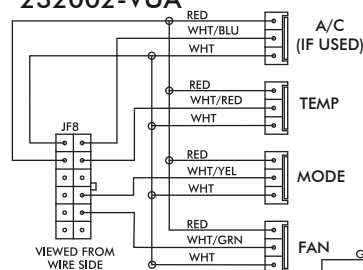
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Gen IV Wiring Diagram

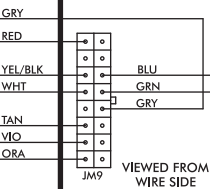
232007-VUR



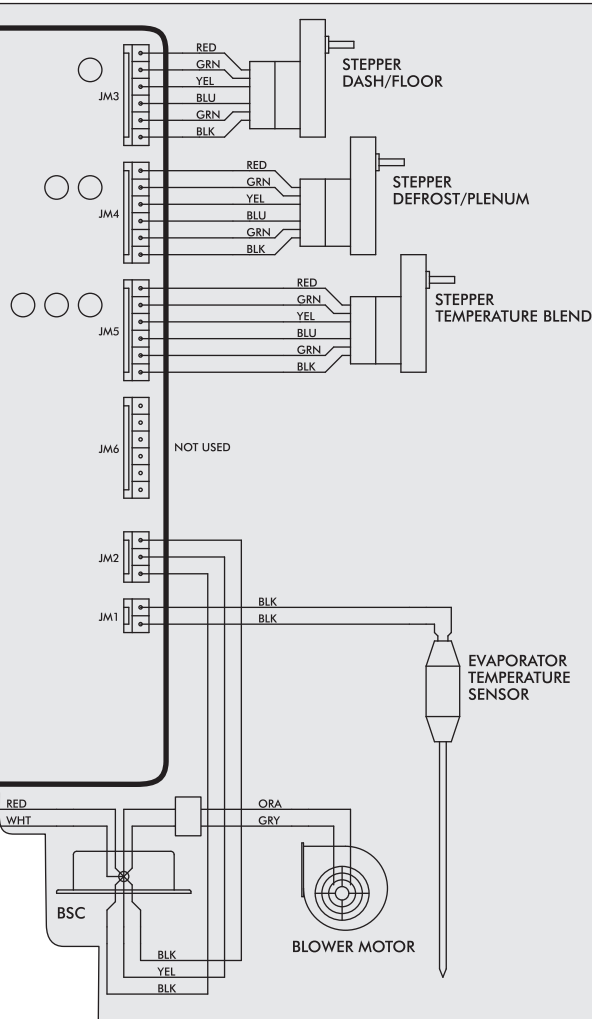
232002-VUA



GEN IV ECU



PRE-WIRED



PROGRAM

N/A

* DASH LAMP (IF USED)

*** WIDE OPEN THROTTLE SWITCH (OPTIONAL)

WHT

IGNITION SWITCH

+ 12v

BAT

WHT

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

RED

NOTE: = CHASSIS GROUND

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

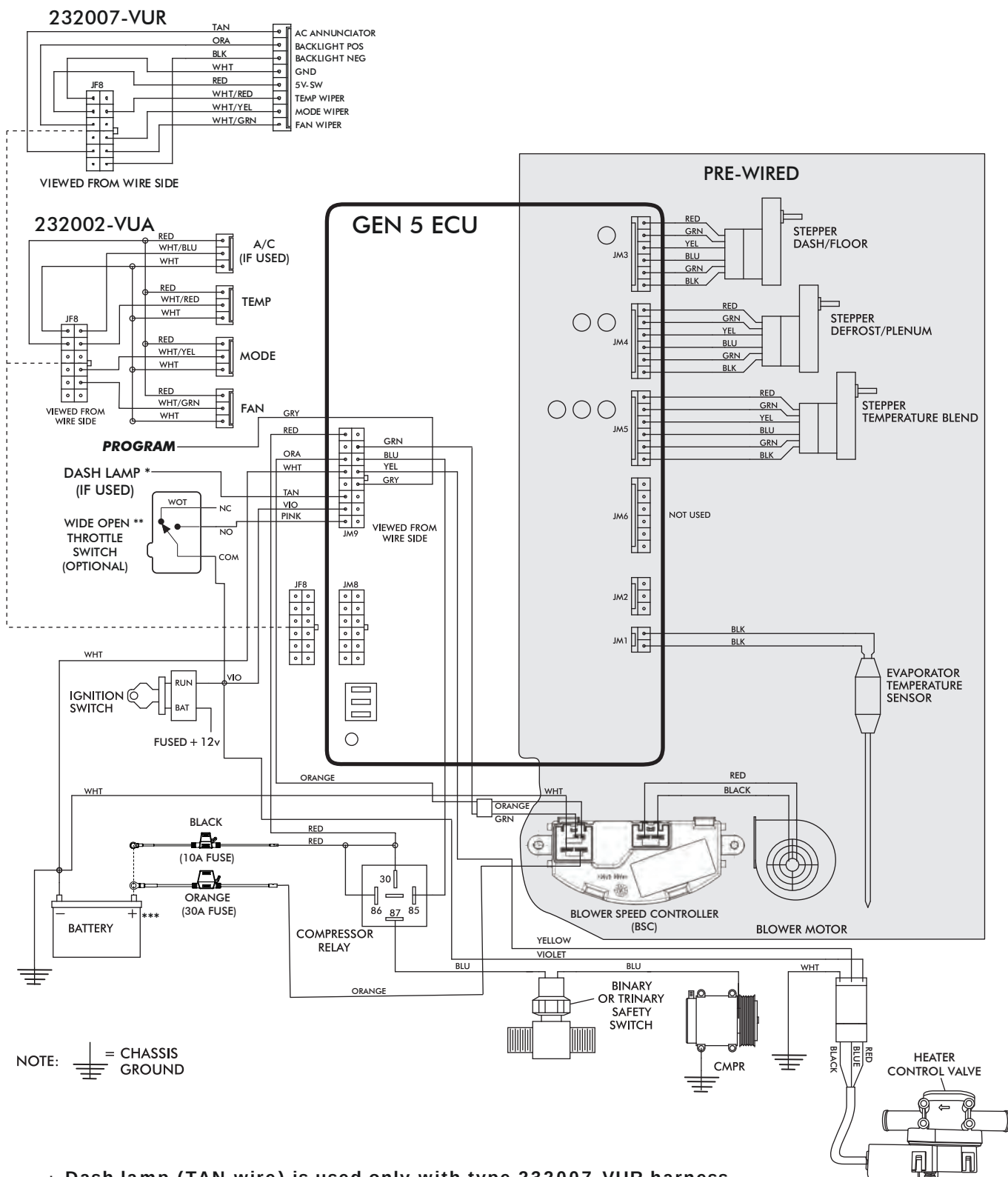
** Warning: Always mount circuit breaker as close to the battery as possible. (NOTE: Wire between battery and circuit breaker is unprotected and should be carefully routed to avoid a short circuit).

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



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Gen 5 Wiring Diagram



* 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

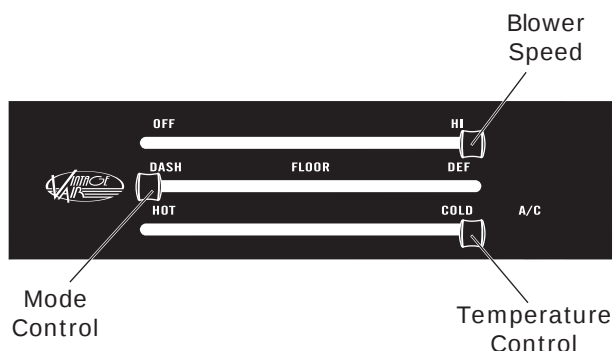
This lever/knob controls blower speed, from OFF to HI.

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

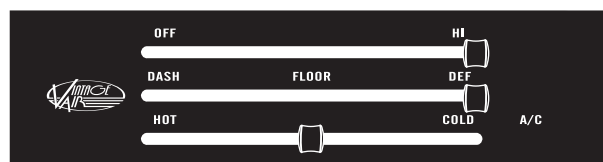
Adjust to desired speed.

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).





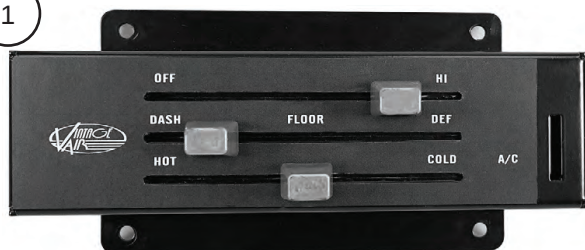
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Packing List: Control Panel Kit (473255)

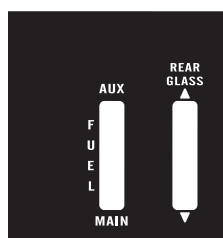
No.	Qty.	Part No.	Description	
1.	1	473256	Control Panel Assembly	_____
2.	1	484163	Mode Label	_____
3.	1	647102	Bracket, Control Panel Switch	_____
4.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal	_____
5.	5	181130	Pop Rivet, 1/8" x 1/4", Black	_____
6.	4	18235-VUB	Screw, #8 x 1/2", Pan Head	_____
7.	3	21300-VUP	Tie Wrap, 11"	_____
8.	4	181077	Screw, #8 x 3/4", Countersunk with Washer	_____
9.	4	189801	U-nut, #8	_____

Checked By: _____
Packed By: _____
Date: _____

1



2



3



4



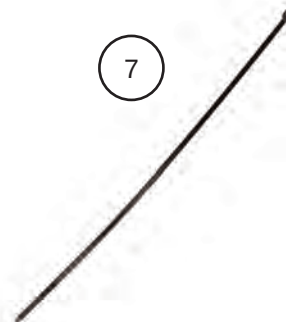
5



6



7



8



9



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