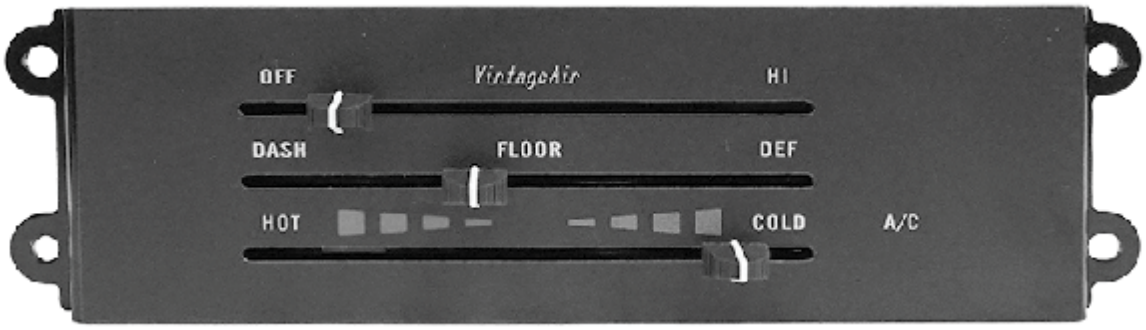
1986-91 Jeep Wagoneer/Cherokee

Control Panel Kit (479028)



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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 (479028)

No.	Qty.	Part No.	Description
1.	1	479029	Control Panel Assembly
2.	1	232007-VUR	Control Harness, Gen IV/Gen 5 Universal

**** 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

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

OEM Control Panel Removal

Perform the following:

1. Disconnect the battery ground cable.
2. Carefully remove the instrument panel bezel by gently prying the trim piece away from dash (See Photo 1, below). **NOTE: There are (9) retainer clip locations (See Photo 1, below).**
3. Remove (4) OEM screws from the control panel (retain) (See Photo 2, below).
4. Pull the control panel away from the dash and disconnect all wires, vacuum lines and cables from the control panel.

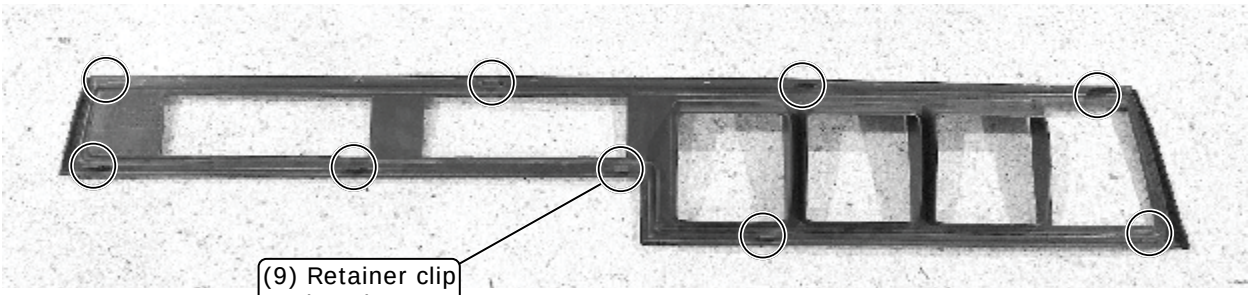


Photo 1

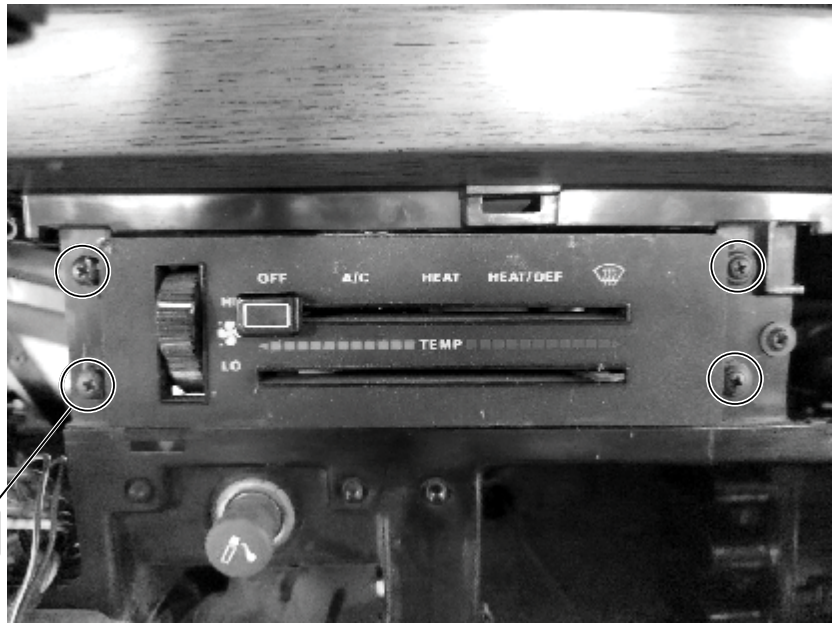


Photo 2

OEM Control Panel Removal (Cont.)

5. Remove the control panel from the dash (See Photo 3, below). **NOTE: Panel in Photo 3, below, shown with electrical sub-harness and cable attached to panel.**
6. On the OEM dash wiring harness, identify and label the 18GA orange/black striped wire that connects to the control panel harness via the 6-pin connector (See Photo 4, below). This wire will be connected later on to the Vintage Air harness to allow dimmable backlighting for the new control panel.

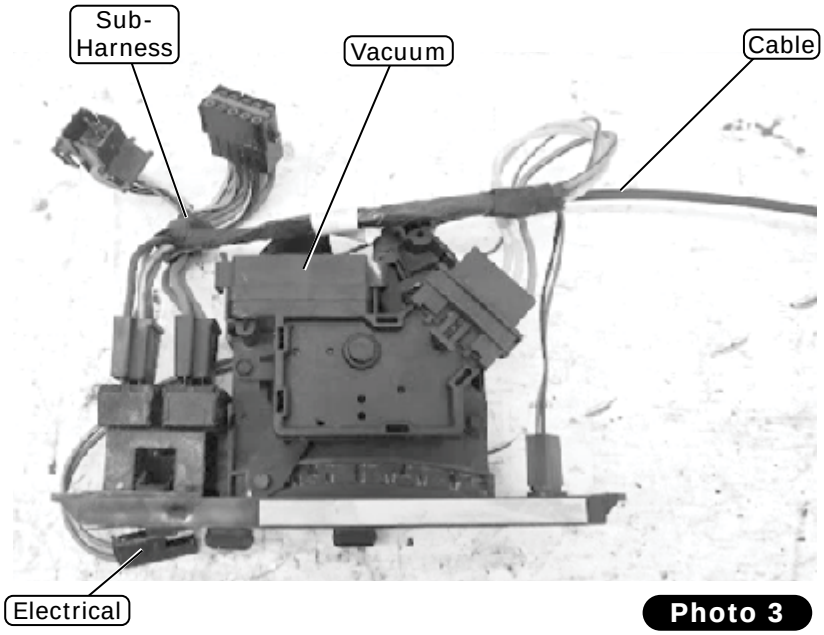


Photo 3

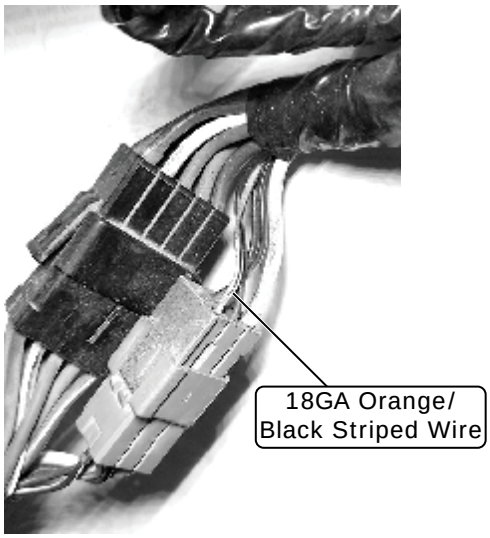


Photo 4

Control Panel Installation

1. Connect the tan 20 AWG wire from the Gen 5 wiring harness to the previously identified orange/black striped wire to enable panel backlighting.
2. Connect the Gen IV/Gen 5 universal control harness to the control panel and route it through the opening towards the Gen 5 evaporator (See Photo 1, below).

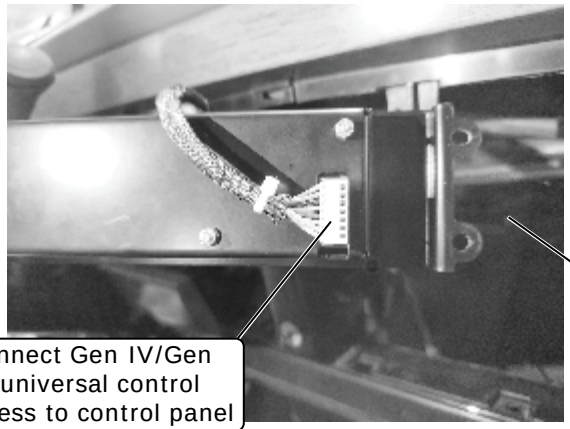


Photo 1

Control Panel Installation (Cont.)

3. Connect the harness to the ECU (See Photo 2, below).
4. Place the control panel in the dash opening and secure with (4) OEM screws (See Photo 3, below).
5. Reinstall the dash bezel (See Photo 4, below).

Photo 2

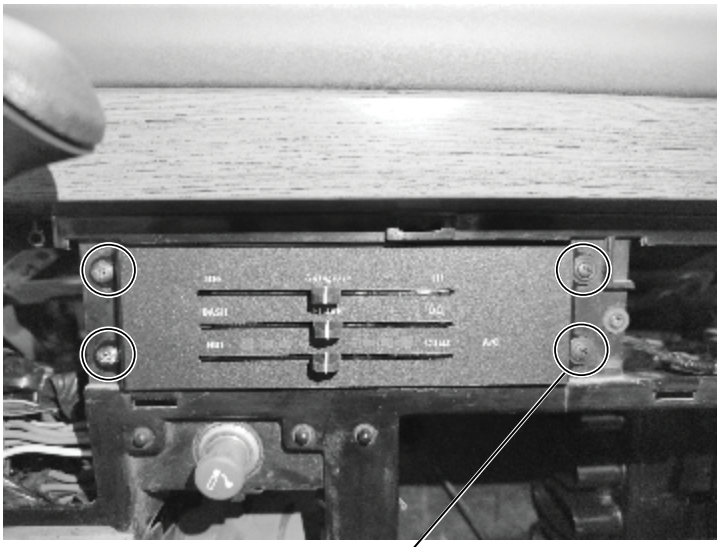
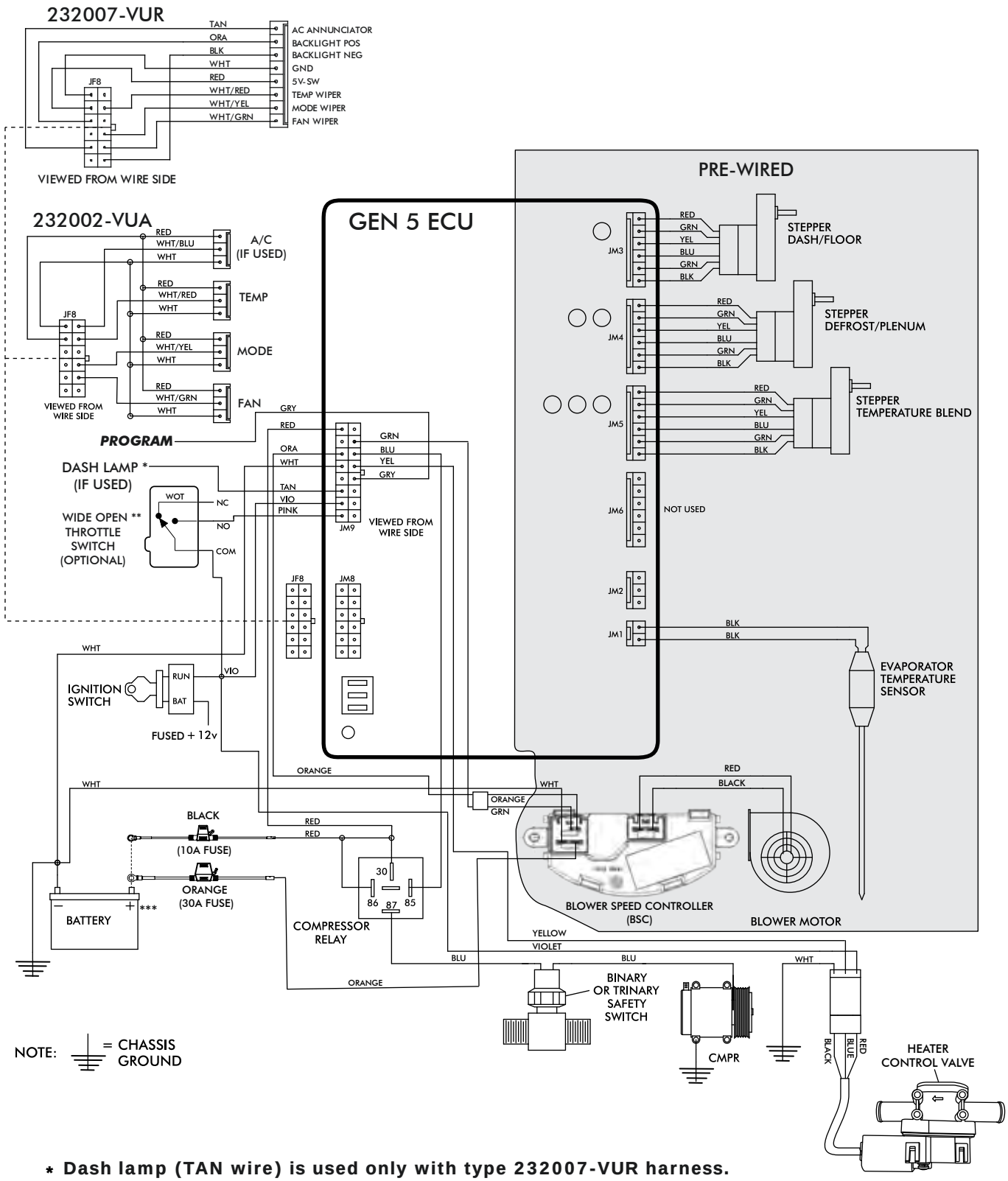


Photo 3

Photo 4

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.

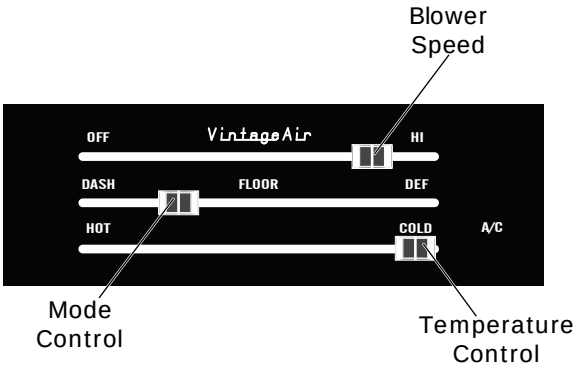
Operation of Controls

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 DEFROST to FLOOR to DASH, 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 (479028)

No.	Qty.		Part No.	Description
1.	1	_____	479029	Control Panel Assembly
2.	1	_____	232007-VUR	Control Harness, Gen IV/Gen 5 Universal

Checked By: _____
Packed By: _____
Date: _____

1

2

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Refer to packing list for actual parts and quantities.