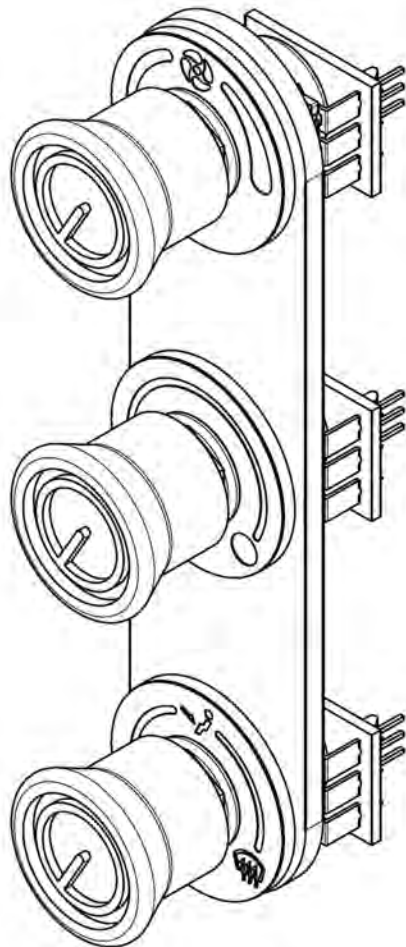




1976-86 Jeep CJ5/CJ7/C8

Control Panel Kit
(474138)



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Phone: 800-862-6658
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www.vintageair.com



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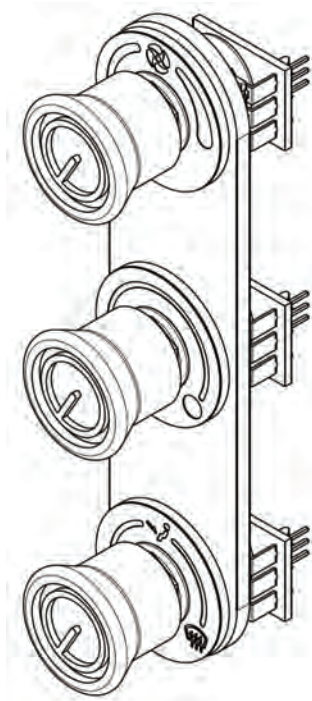
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Packing List: Control Panel Kit (474138)

No.	Qty.	Part No.	Description
1.	1	474137	Control Panel Assembly
2.	5	21301-VUP	Tie Wrap, 4"
3.	1	232002-VUA	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



3



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



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OEM Control Panel Removal

1. Disconnect the cables from the back of the controls.
2. Remove the (3) OEM controls (See Photo 1, below) (discard).

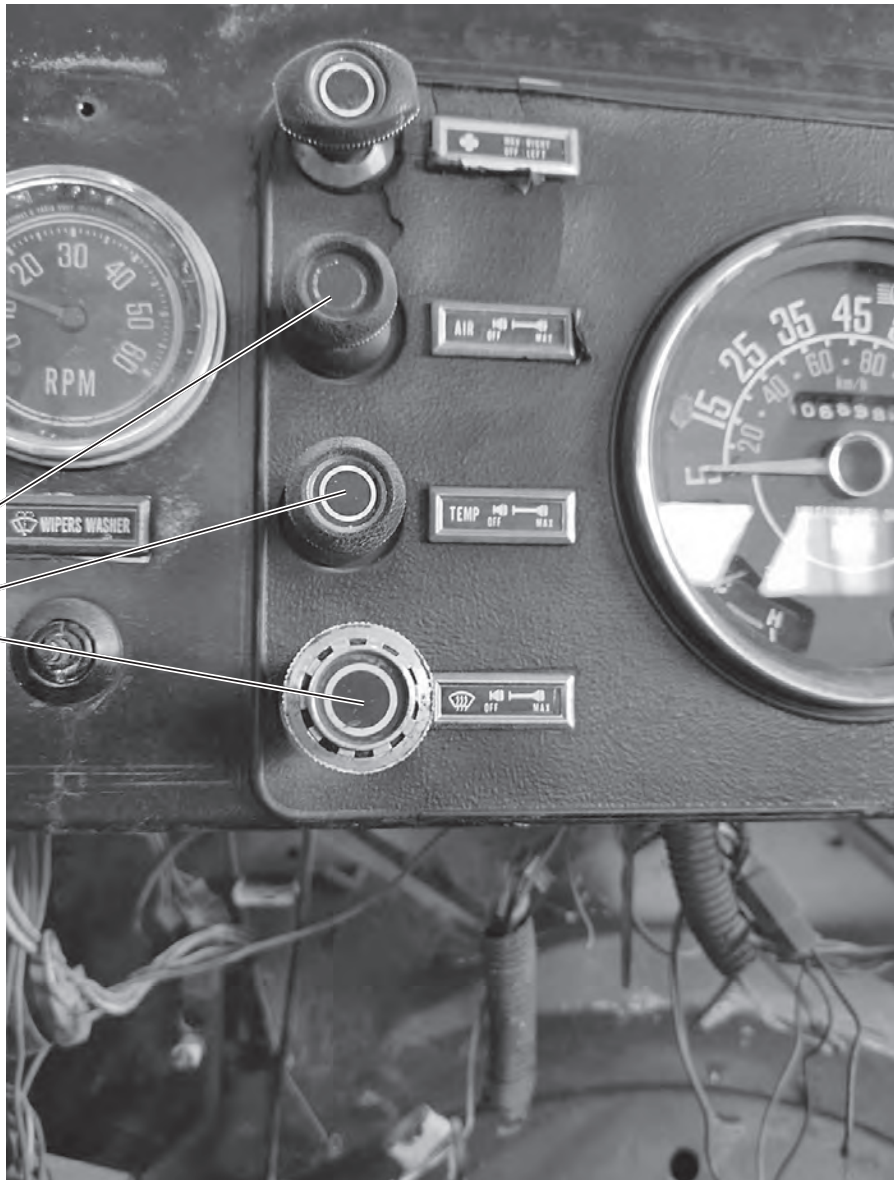


Photo 1



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Rotary Pot Installation

1. Before starting with the installation, remove the (3) rubber knobs by pulling, then the (3) potentiometer nuts, (3) washers, and (3) decal plates from the control panel assembly (See Figure 1, below).
2. Plug the harness leads onto each of the rotary potentiometers, then tie wrap the wire for support (See Figure 1a, below).
3. Place the new control panel back plate onto the back of the dash at the OEM location (note orientation of backing plate small holes in down position). Insert the potentiometers from the back side in their correct location in accordance with the wire color as shown in Figure 1, below. **NOTE: Make sure the location tabs enter into the small holes in the backing plate.**
4. Secure the potentiometers from the front of the dash using the previously removed decal plates, washers, nuts (finger tighten with 1/2" deep well socket), then install the knobs, aligning the flat to the shaft (See Figure 2, below).
5. Tie wrap wires to the rotary pots as shown in Figure 1a, below.

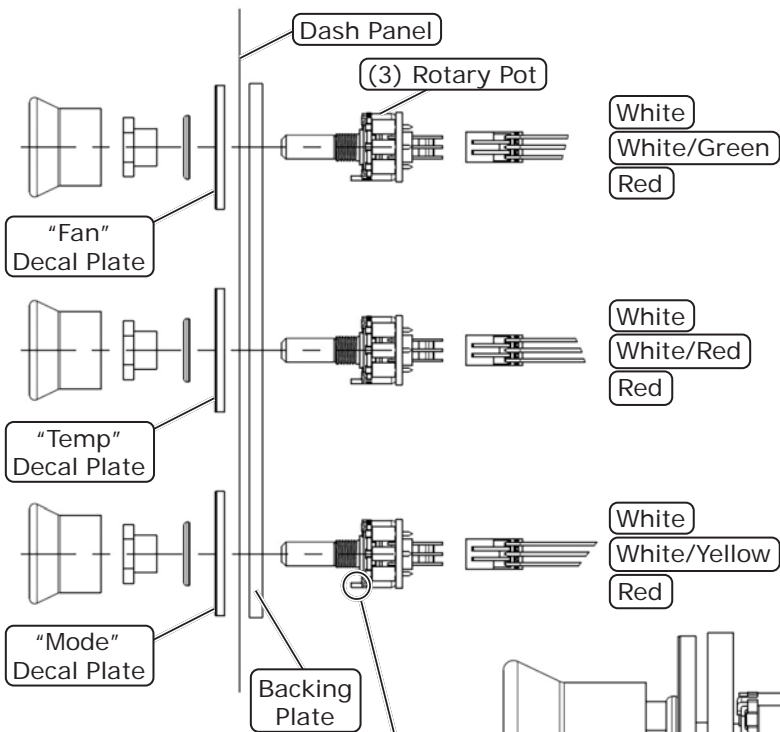


Figure 1

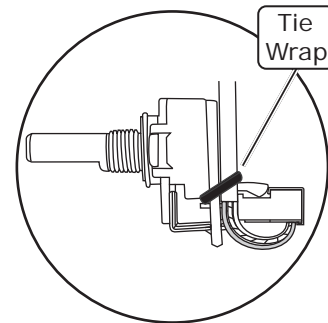


Figure 1a

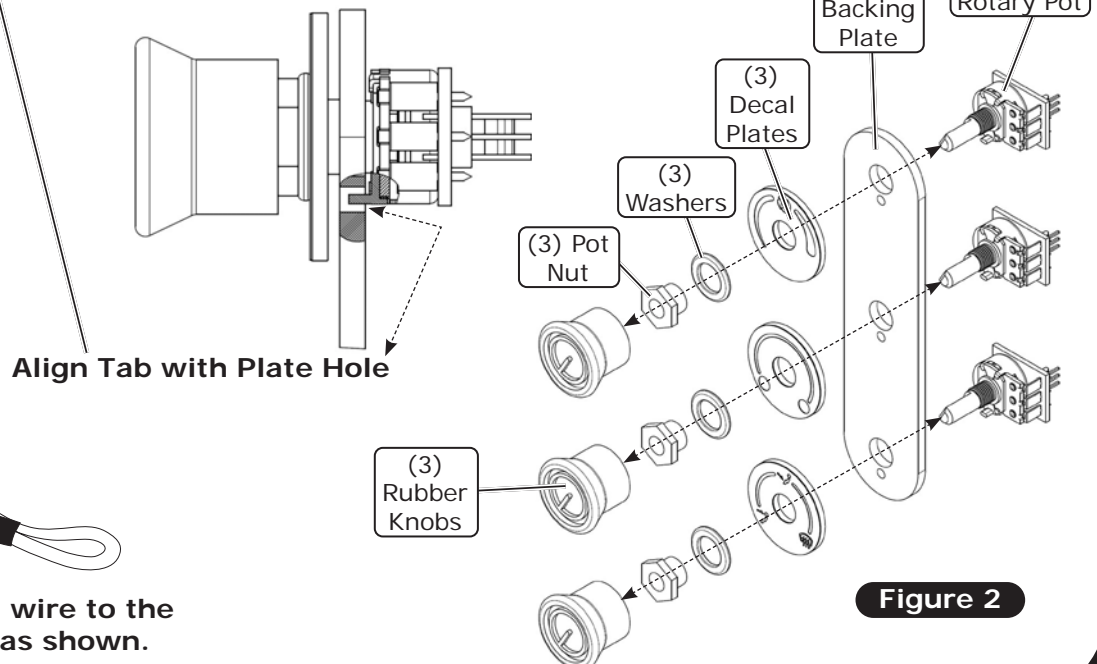


Figure 2

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



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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 according to the wiring diagram on Page 7 or 8.

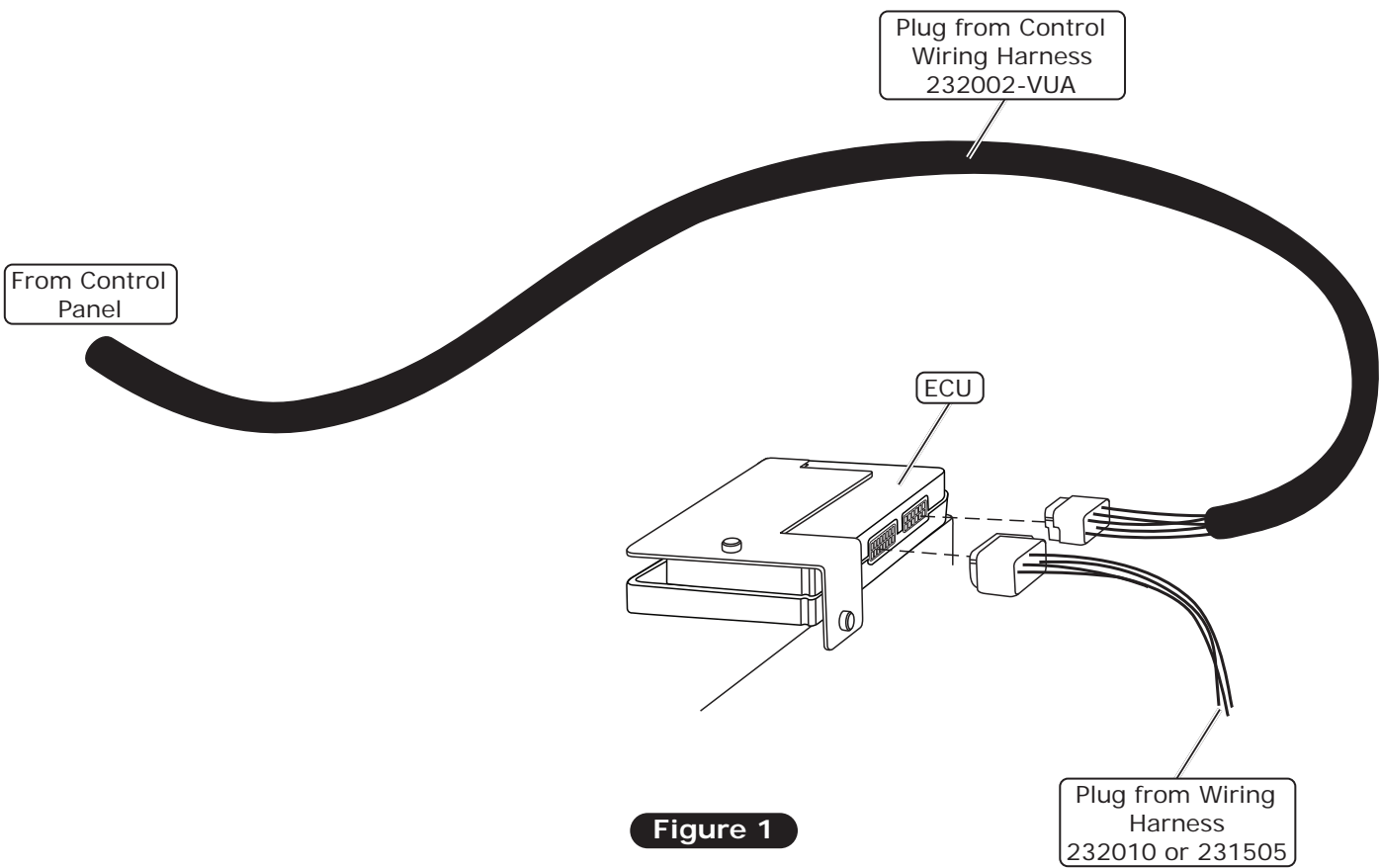


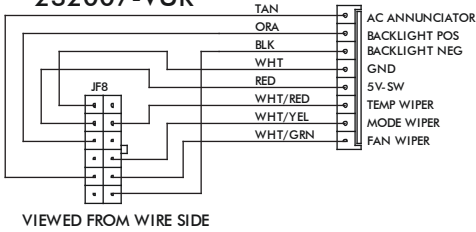
Figure 1



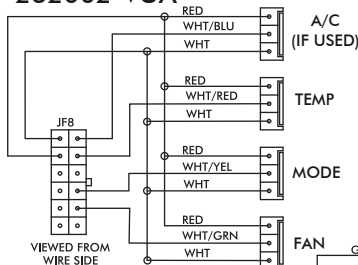
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Gen IV Wiring Diagram

232007-VUR

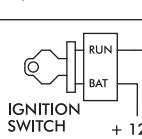
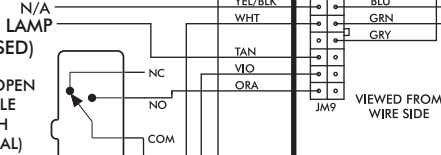


232002-VUA



PROGRAM

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



** CIRCUIT BREAKER 30 AMP

COMPRESSION RELAY



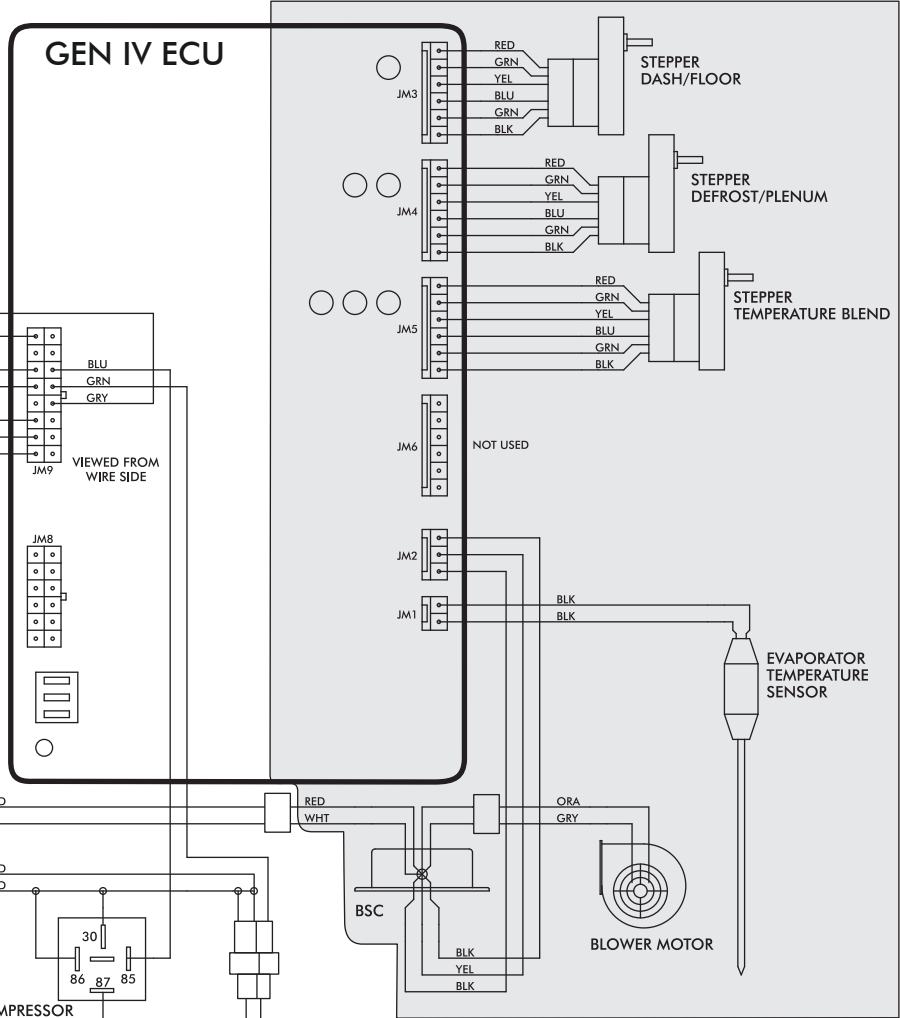
BSC

BLOWER MOTOR

BINARY OR TRINARY SAFETY SWITCH

CMPR

HEATER CONTROL VALVE



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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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

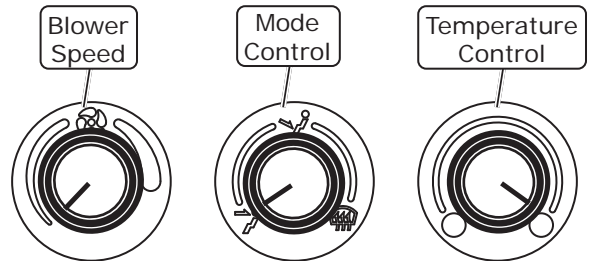
This lever/knob controls blower speed, from OFF to HI.

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.

Mode Control

Adjust to DEFROST position for maximum defrost, or between FLOOR and DEFROST positions for a bi-level blend (Compressor is automatically engaged).

Temperature Control

Adjust to desired temperature.





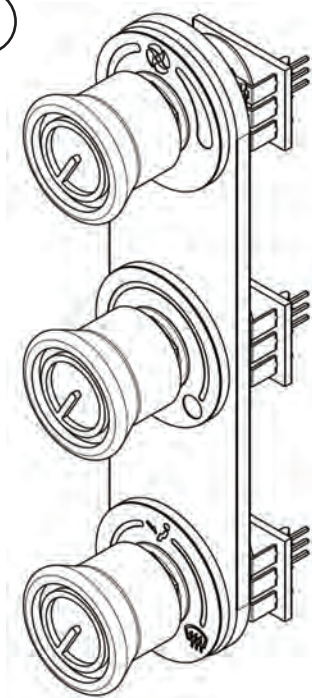
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2.	5	21301-VUP	Tie Wrap, 4"
3.	1	232002-VUA	Control Harness, Gen IV/Gen 5 Universal

Checked By: _____
Packed By: _____
Date: _____

1



2



3

