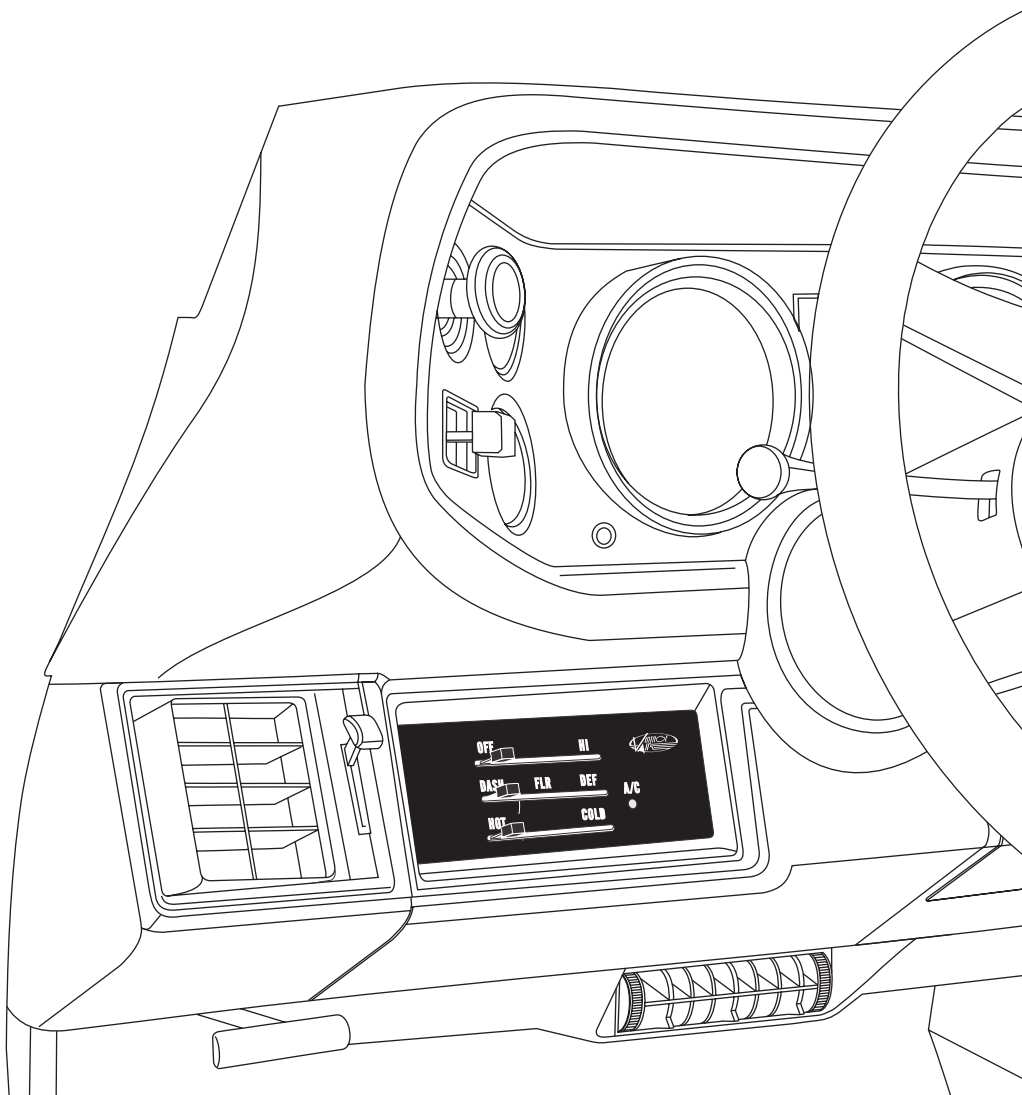




an ISO 9001:2008 Registered Company

# 1970-81 CAMARO

w/ & w/o AC CONTROL PANEL CONVERSION KIT  
473071



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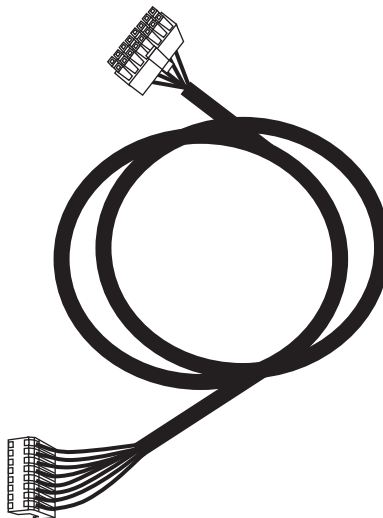
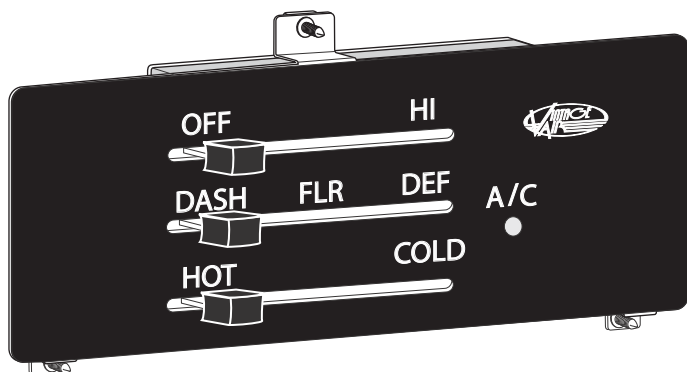


## CONTROL KIT PACKING LIST

CONTROL KIT  
473071

No.	QTY.	PART No.	DESCRIPTION
1.	1	473070-FCA	1970-81 CAMARO w/ & w/o AC w/ DASH CNTRL PNL ASM)
2.	1	232007-VUR	GEN IV UNIVERSAL CONTROL HARNESS (TYPE C)

**\*\* 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.**

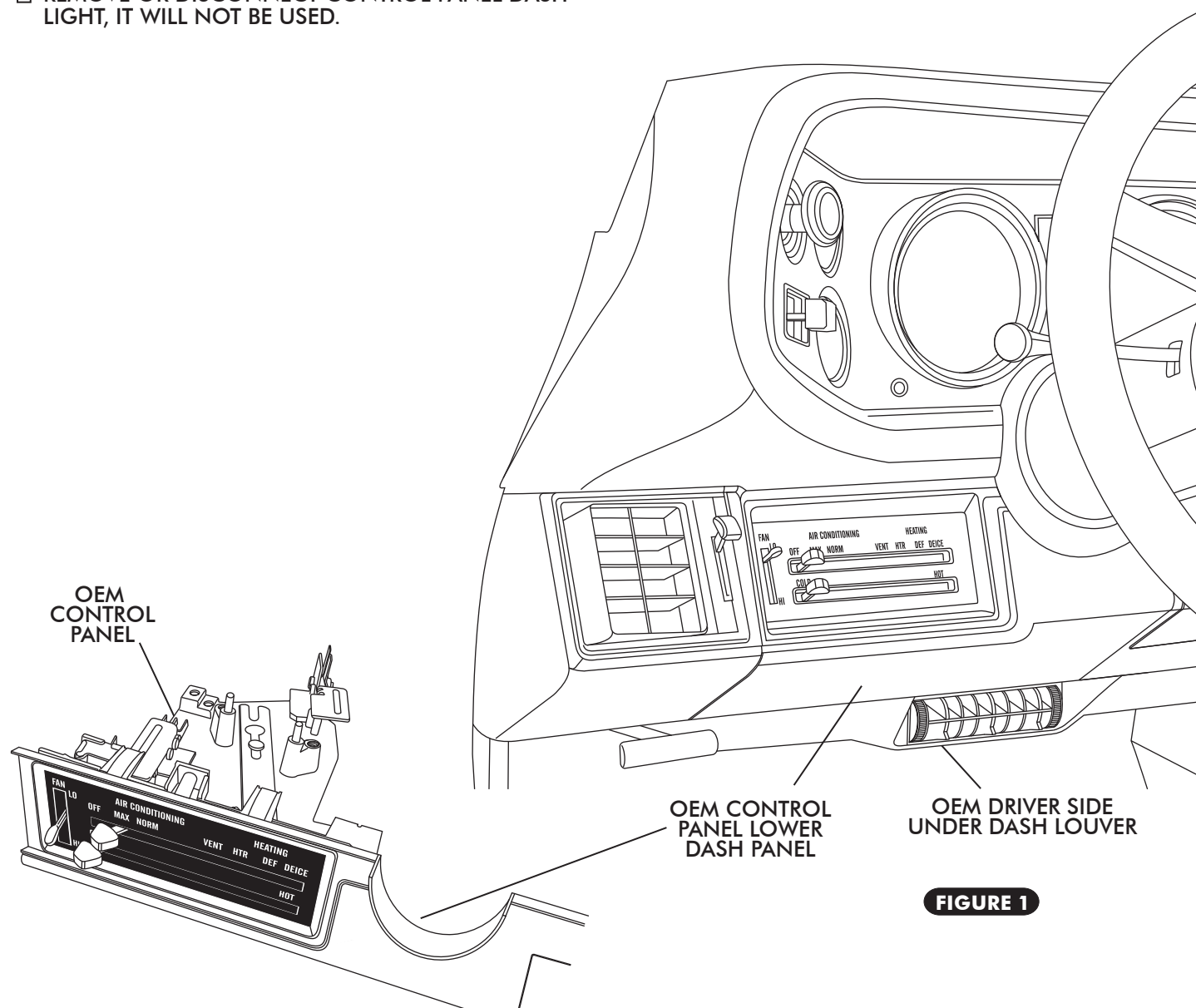


**NOTE: IMAGES MAY NOT DEPICT ACTUAL PARTS AND QUANTITIES.  
REFER TO PACKING LIST FOR ACTUAL PARTS AND QUANTITIES**



## REMOVING OEM CONTROL PANEL

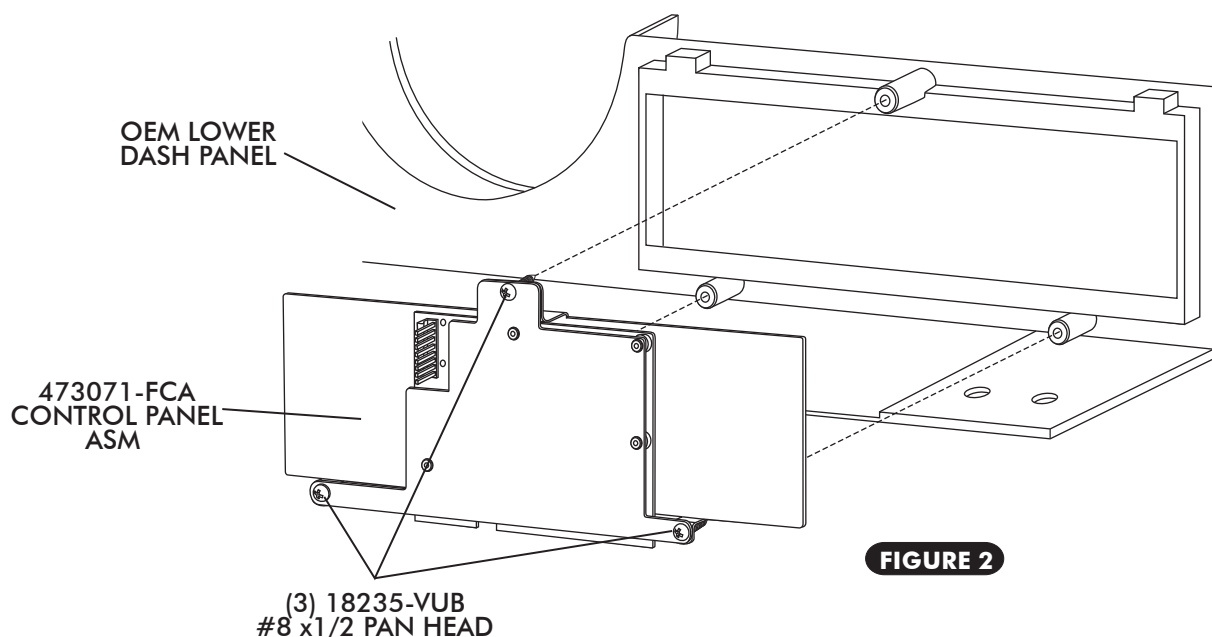
- ☐ DISCONNECT WIRES, VACUUM HOSES AND CONTROL LEVER CABLE FROM THE BACK OF THE OEM CONTROL PANEL.
- ☐ REMOVE THE OEM DRIVER SIDE UNDER DASH LOUVER. SEE FIGURE 1 BELOW.
- ☐ REMOVE OEM CONTROL PANEL LOWER DASH ASSEMBLY
- ☐ REMOVE OEM CONTROL PANEL FROM LOWER DASH PANEL, DISCARD CONTROL PANEL. RETAIN LOWER DASH PANEL. SEE FIGURE 1 BELOW
- ☐ REMOVE OR DISCONNECT CONTROL PANEL DASH LIGHT, IT WILL NOT BE USED.





## CONTROL PANEL INSTALLATION

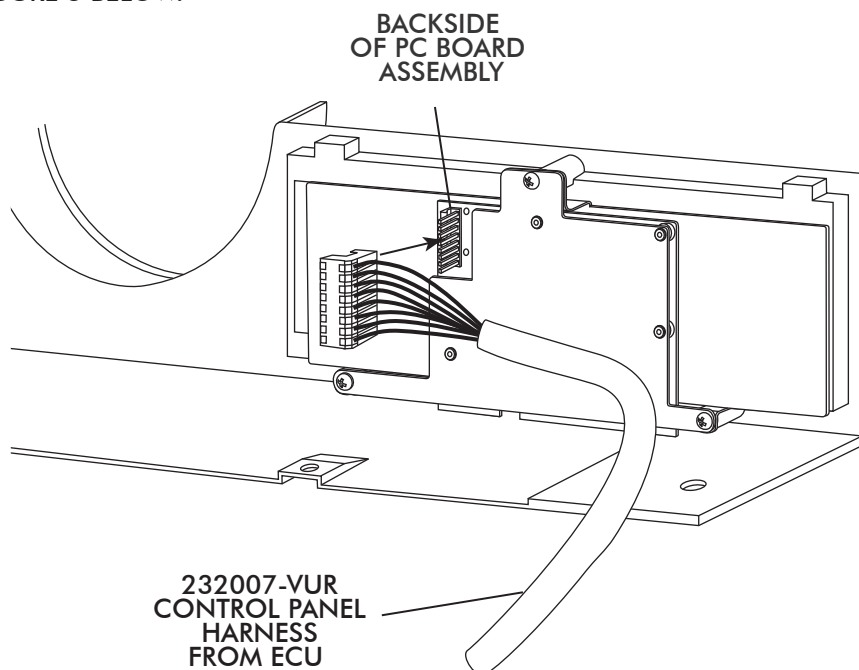
- INSTALL CONTROL PANEL ASM TO BACK SIDE OF OEM LOWER DASH PANEL AS SHOWN IN FIGURE 2 BELOW.
- SECURE THE CONTROL PANEL ASM TO DASH USING (3) #8 x 1/2" PAN HEAD SCREWS AS SHOWN IN FIGURE 2 BELOW.



**FIGURE 2**

## CONTROL HARNESS

- PLUG THE CONTROL PANEL WIRING HARNESS INTO ECU AS SHOWN IN THE EVAPORATOR INSTALLATION INSTRUCTIONS. PLUG THE OPPOSITE END OF THE HARNESS INTO THE CONTROL PANEL PC BOARD AS SHOWN IN FIGURE 3 BELOW.

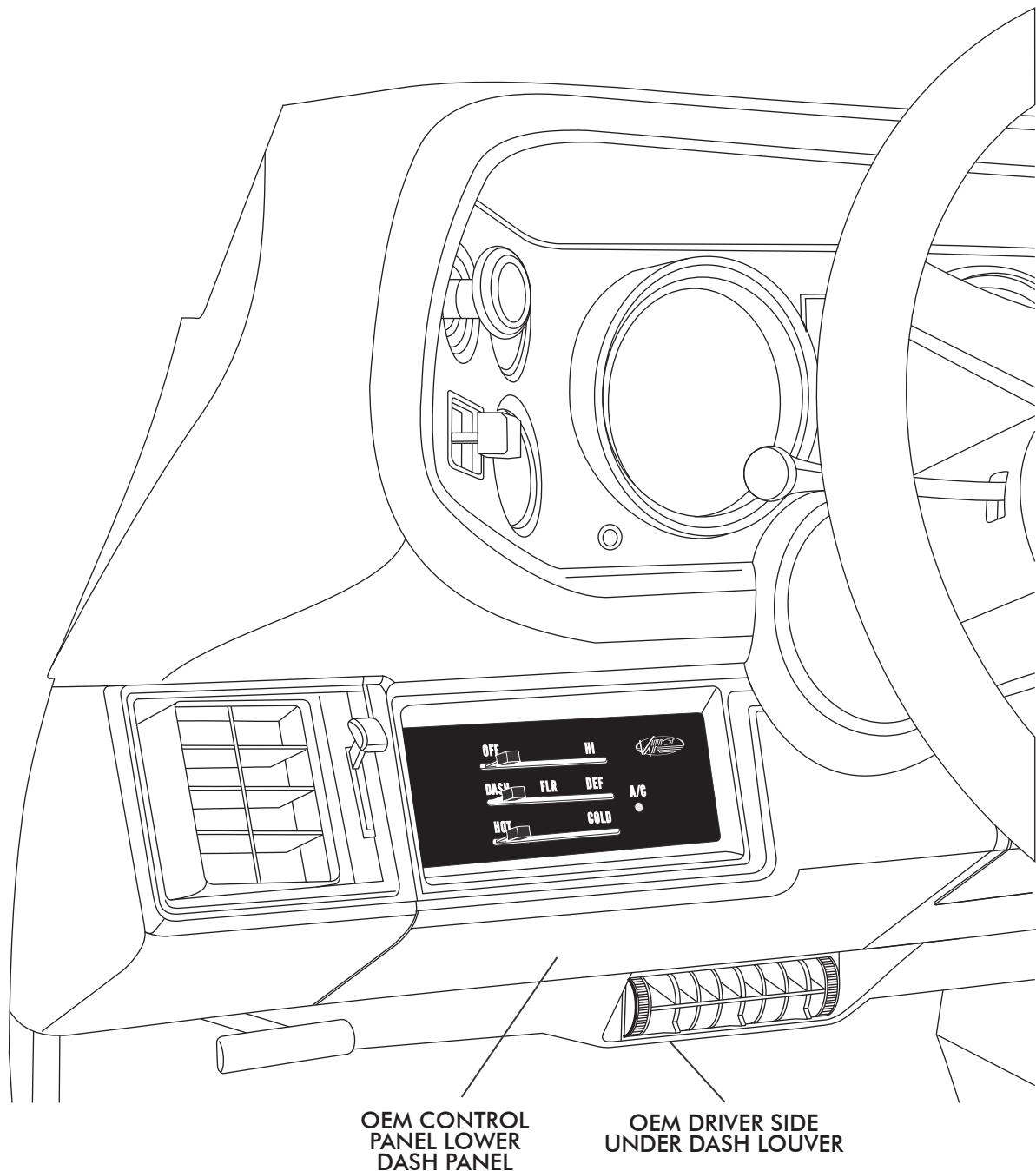


**FIGURE 3**



## LOWER DASH PANEL & LOUVER INSTALLATION

- INSTALL OEM CONTROL PANEL LOWER DASH PANEL. SEE FIGURE 4, BELOW.
- INSTALL OEM DRIVER SIDE UNDER DASH LOUVER. SEE FIGURE 4, BELOW.

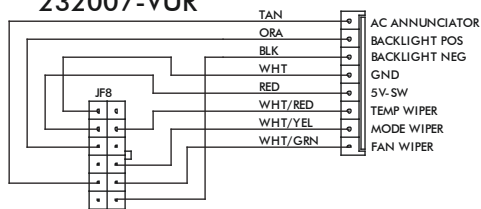


**FIGURE 4**



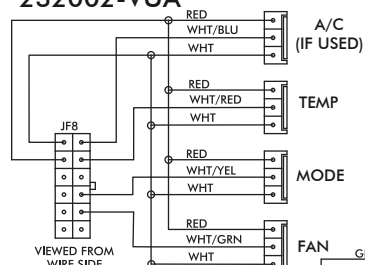
## Wiring Diagram

### 232007-VUR



VIEWED FROM WIRE SIDE

### 232002-VUA

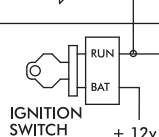


VIEWED FROM WIRE SIDE

### PROGRAM

\* DASH LAMP (IF USED)

\*\*\* WIDE OPEN THROTTLE SWITCH (OPTIONAL)



IGNITION SWITCH + 12V

\*\* CIRCUIT BREAKER 30 AMP

COMPRESSOR RELAY

30 86 87 85

BLU

BINARY OR TRINARY SAFETY SWITCH

CMPR

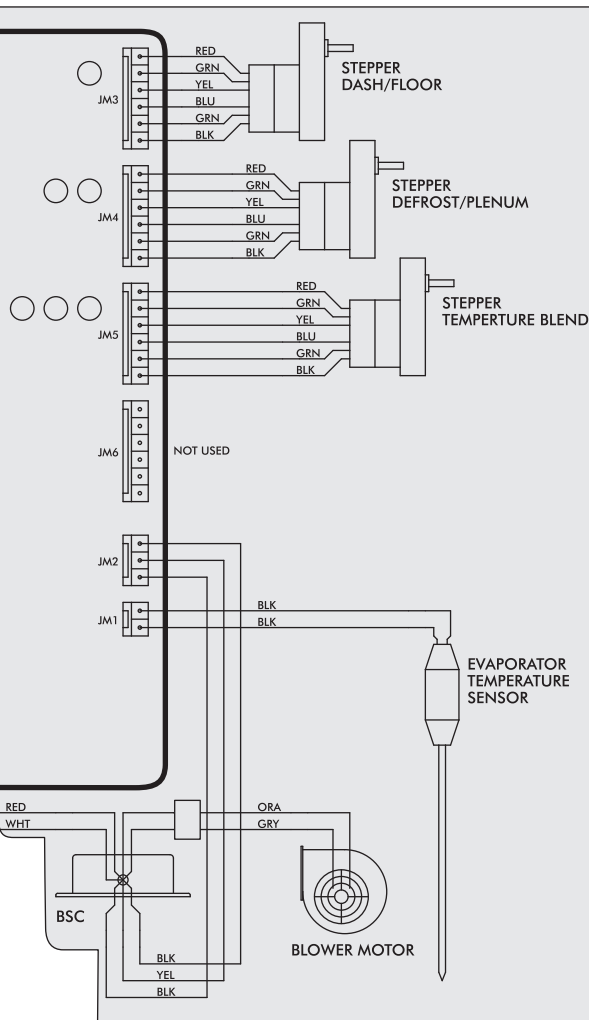
HEATER CONTROL VALVE

NOTE: = CHASSIS GROUND

### GEN IV ECU

GEN IV WIRING DIAGRAM REV D, 5/6/2014

### PRE-WIRED



• 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 Routd to Avoid a Short Circuit).

• Wide Open Throttle Switch Contacts Close Only at Full Throttle, Which Disables A/C Compressor.



## Operation of Controls

On Gen IV 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 between operations, to indicate the change.

### **Blower Speed**

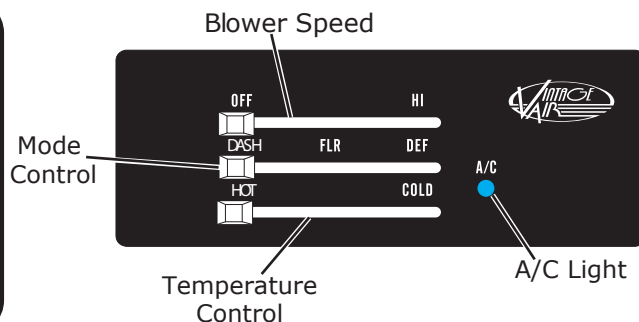
This lever/knob controls blower speed, from OFF to HI.

### **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**

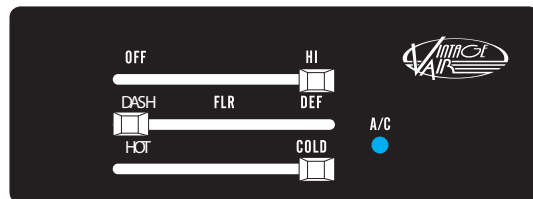
Adjust to desired speed.

### **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).



**NOTE: A/C operation toggles on & off when temperature control is moved to the HOT or COLD ends of travel. A/C operation is indicated by the blue A/C light.**

## Heat Operation

### **Blower Speed**

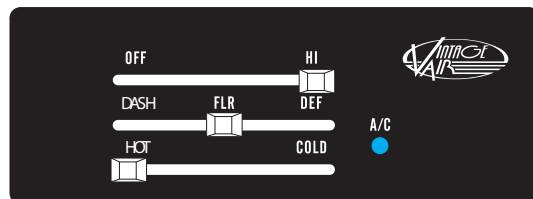
Adjust to desired speed.

### **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**

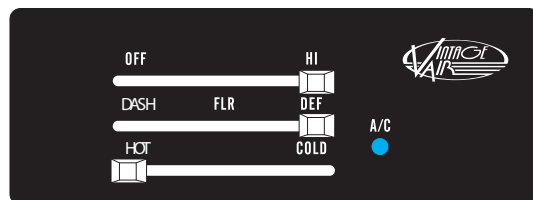
Adjust to desired speed.

### **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).







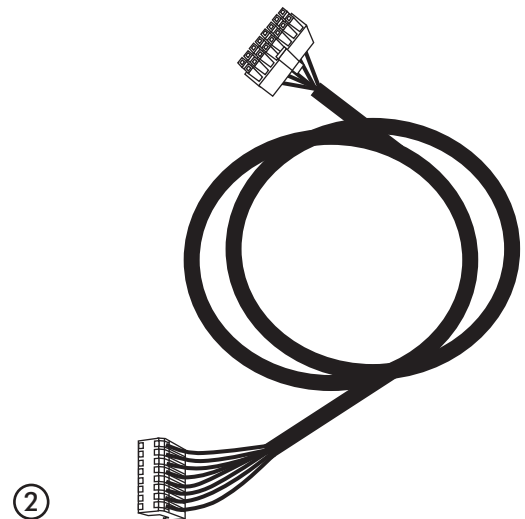
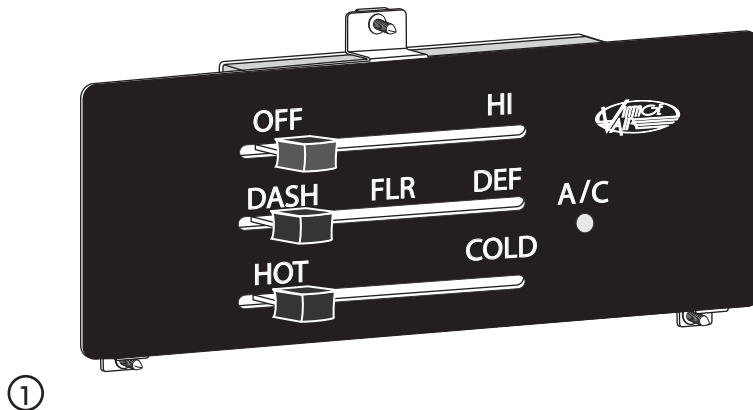


## CONTROL KIT PACKING LIST

**CONTROL KIT**  
**473071**

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2.	1	232007-VUR	GEN IV UNIVERSAL CONTROL HARNESS (TYPE C)	_____

CHECKED BY: \_\_\_\_\_  
PACKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



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