



an ISO 9001:2015 Registered Company

# 1969-72 Pontiac GTO

*with Factory Air*  
**Control Panel Kit**  
**(473250, 473251)**



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## Packing List: 1969 Pontiac GTO Control Panel Kit (473250)

No.	Qty.	Part No.	Description
1.	1	473254	Control Panel Assembly
2.	1	232007-VUR	Gen IV Universal Control Harness
3.	4	18260-VUB	Nut with Star Washer, 10-24

**\*\* 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

### Perform the Following:

1. Disconnect the main wiring harness plug from the OEM control panel (See Photo 1, below).
2. Remove the light bulb from the control panel (See Photos 2 and 3, below).
3. Disconnect the control panel light power wire plug (See Photo 4, below).

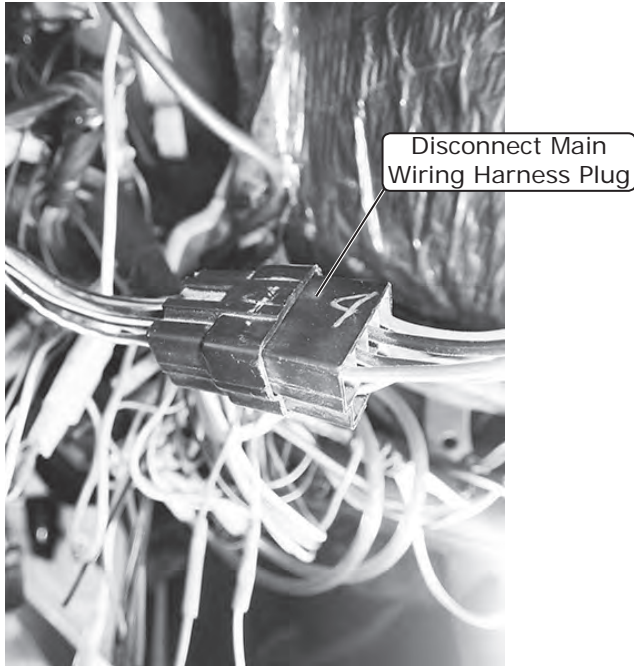


Photo 1

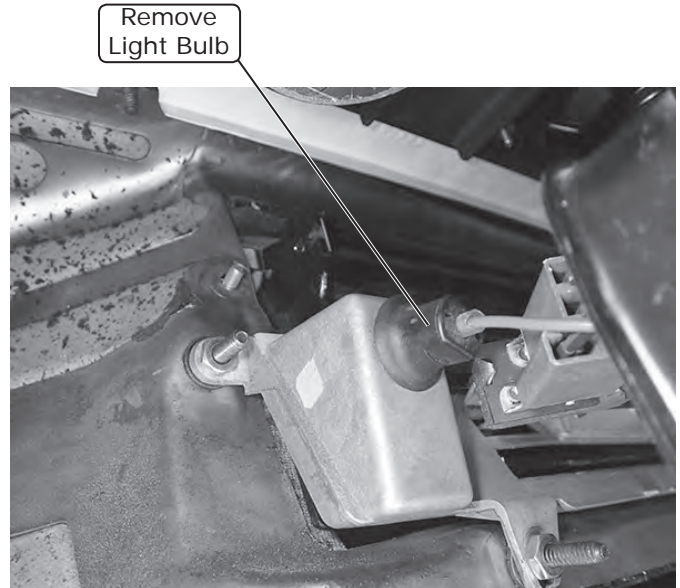


Photo 2

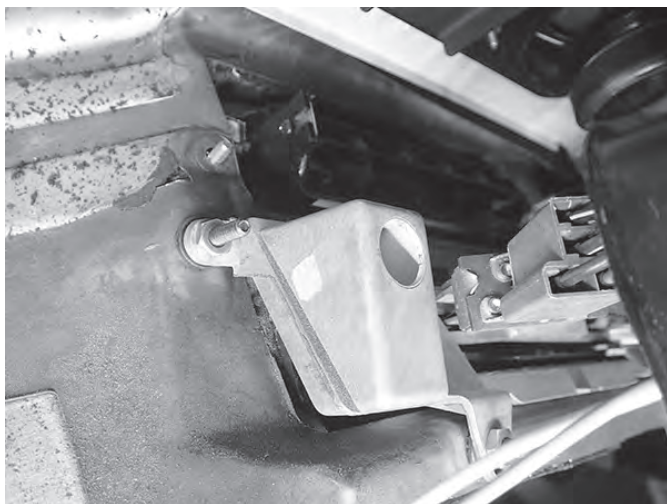


Photo 3

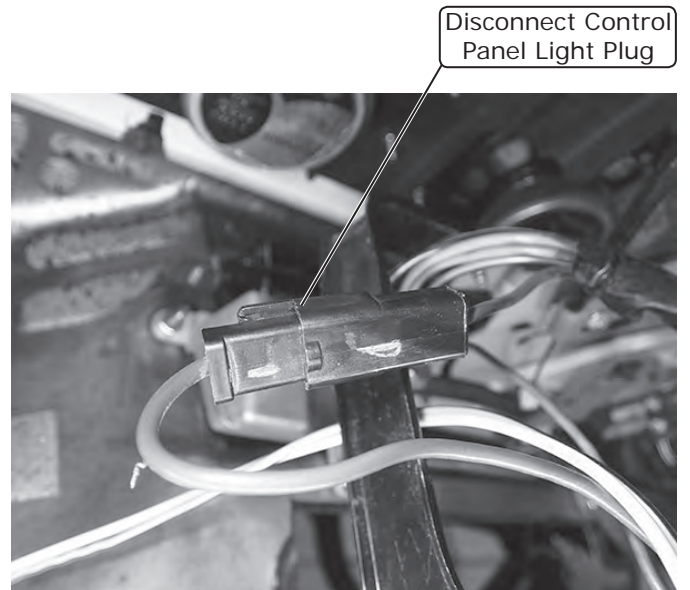


Photo 4



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## OEM Control Panel Removal (Cont.)

4. Remove the OEM control panel support bracket screw (discard) (See Photos 5 and 6, below).
5. Detach the OEM control panel from the dash by removing the (4) mounting nuts (discard) (See Photos 7 and 8, below).
6. Remove the OEM control panel from the dash (discard).

Remove Support  
Bracket Screw



Photo 5

Remove Support  
Bracket Screw

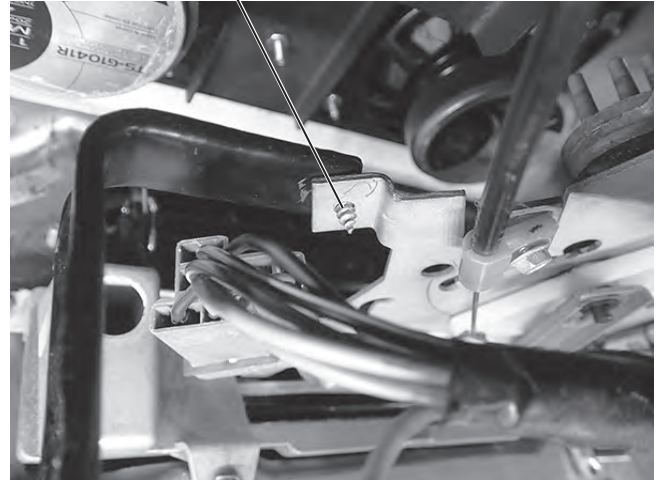


Photo 6

Remove (2)  
Mounting Nuts

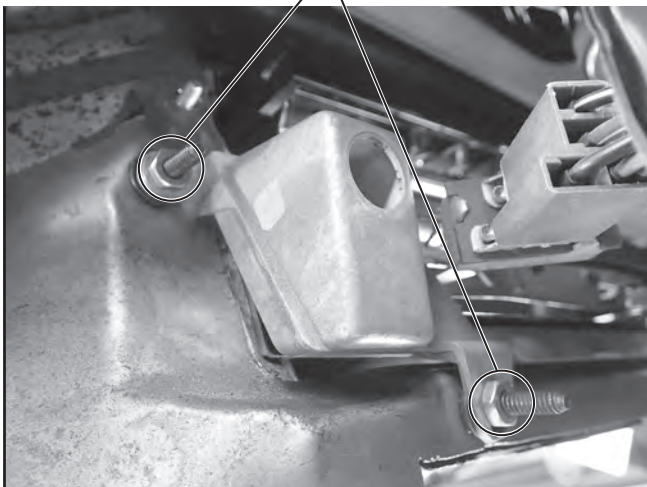


Photo 7

Remove (2)  
Mounting Nuts

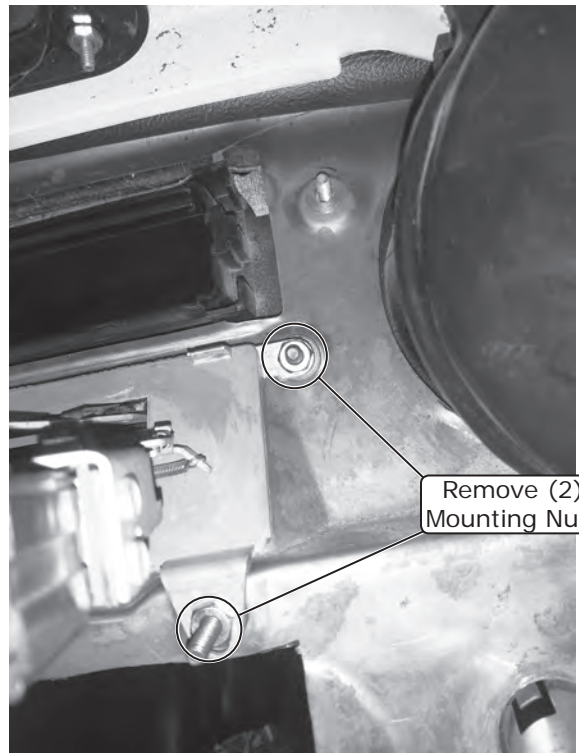


Photo 8



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## Control Panel Installation

1. Install the new control panel and secure it using (4) 10-24 nuts with star washers (See Figure 1, below).  
**NOTE: The left and right tabs will bend while tightening to adjust the control panel into the dash. Tighten the nuts as necessary.**

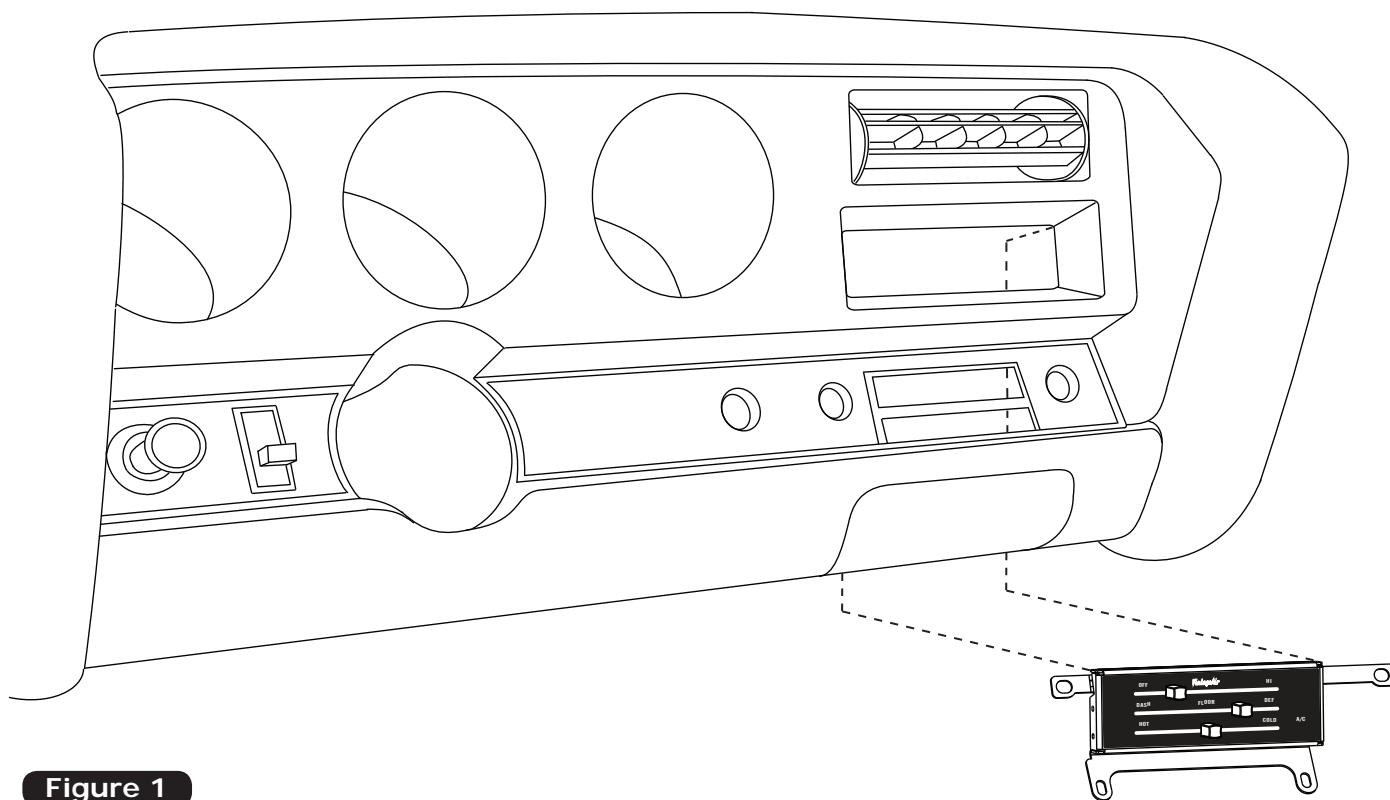


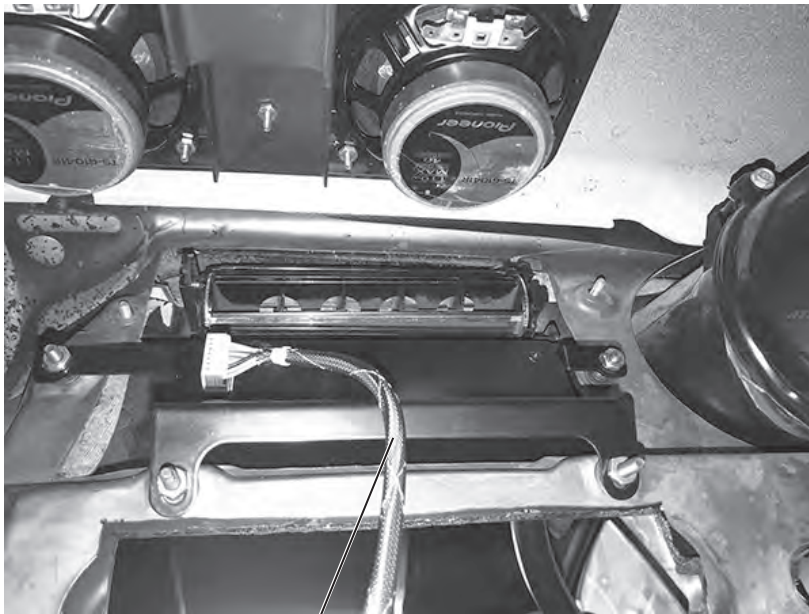
Figure 1



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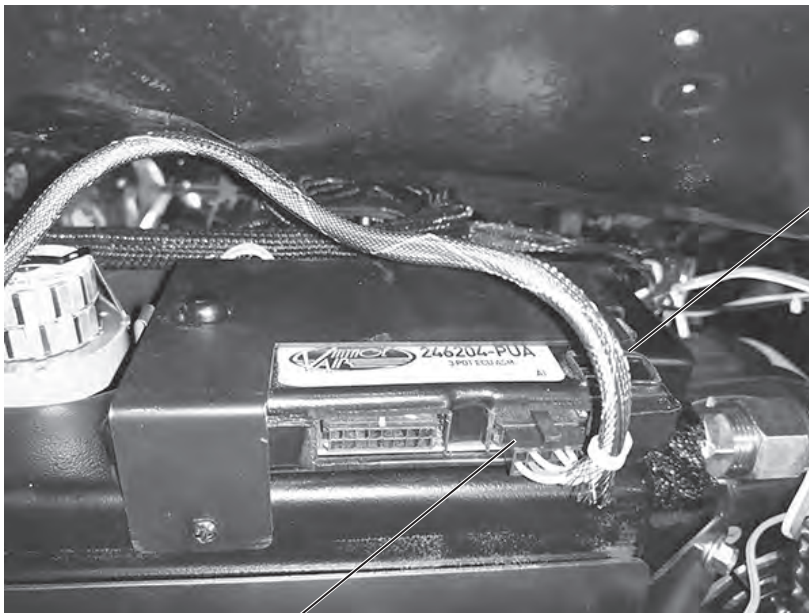
## Control Harness Installation

1. Plug the control panel harness connector into the ECU (See Photos 1 and 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 (232600-VUA) to the factory dash lights to enable panel backlighting.**



Control Panel Harness  
232007-VUR

Photo 1



ECU Module

Control Panel  
Harness Connector

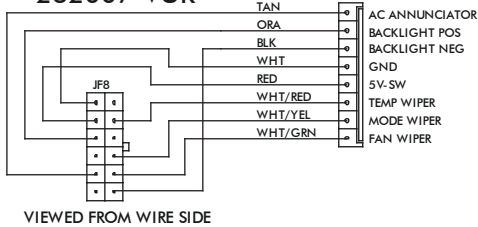
Photo 2



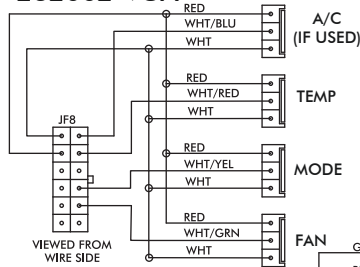
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# Wiring Diagram

## 232007-VUR



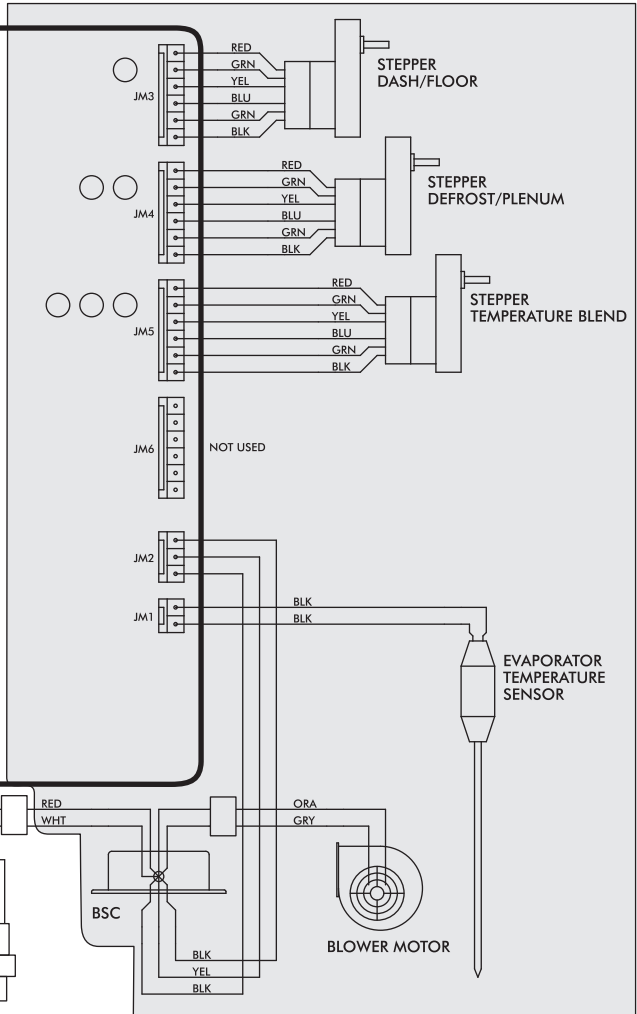
## 232002-VUA



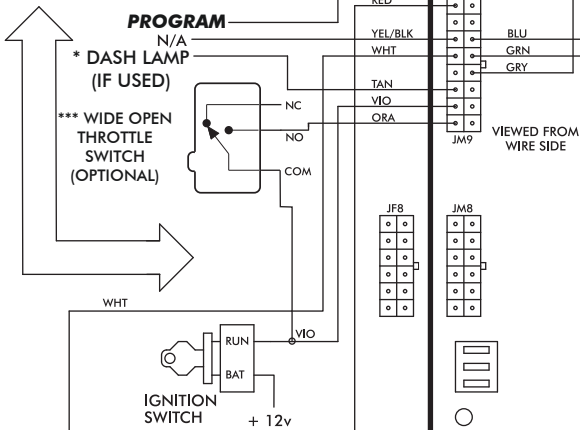
## GEN IV ECU

GEN IV WIRING DIAGRAM  
REV E, 10/6/2017

## PRE-WIRED



## PROGRAM



IGNITION SWITCH + 12v

\*\* CIRCUIT BREAKER 30 AMP

COMPRESSOR RELAY

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 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

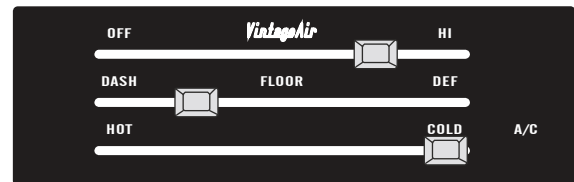
This lever/knob controls blower speed, from OFF to HI.

### Mode Control

This lever/knob controls the mode positions, from 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

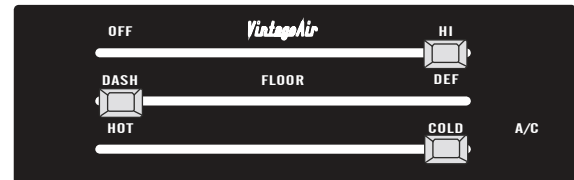
Adjust to desired speed.

### 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

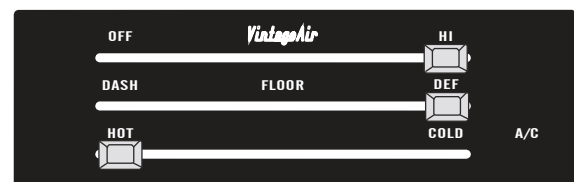
Adjust to desired speed.

### 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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Checked By: \_\_\_\_\_

Packed By: \_\_\_\_\_

Date: \_\_\_\_\_

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