



1969-70 Ford Mustang

Control Panel Kit
(474161)



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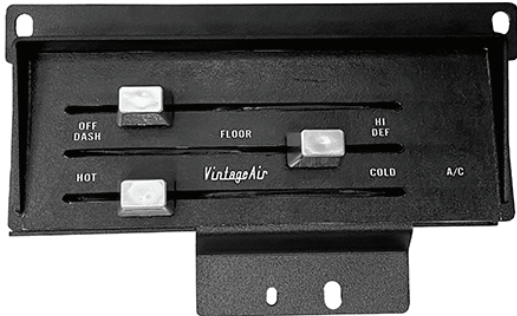
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Packing List: Control Panel Kit (474161)

No.	Qty.	Part No.	Description
1.	1	474160	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.**



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OEM Control Panel Removal

NOTE: This control panel instruction was designed on a 1970 Ford Mustang. Pictures and steps may vary between different years and models.

1. Remove the radio knobs (See Photos 1 and 2, below).
2. Remove (2) bezel screws and carefully pull bezel, from the bottom, away from the dash (See Photo 3, below).
3. Remove the (2) dash trims by removing the mounting screws from the bottom of the trim (See Photo 4, below).
4. Remove (3) screws ((1) screw to the front and (2) on the sides) of the ashtray bracket (See Photos 5 and 6, below).
5. Remove the (2) OEM screws from the radio control panel bracket (See Photo 7, below).
6. Pull the radio out slightly to remove the control panel. Disconnect all plugs, lights and cables (See Photo 8, below).



Photo 1

Remove the radio knobs



Photo 2



Photo 3

Remove (2) bezel screws and carefully pull bezel, from the bottom, away from the dash

Remove (2) dash trims by removing mounting screws from the bottom of the trim



Photo 4



Photo 5

Remove (3) screws ((1) screw to the front and (2) on the sides) of the ashtray bracket



Photo 6



Photo 7

Remove (2) OEM screws from the radio control panel bracket

Pull the radio out slightly to remove the control panel. Disconnect all plugs, lights and cables



Photo 8



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Control Panel Installation

1. Install the control panel wiring onto the Vintage Air control panel and route wiring through the dash to the ECU (See Photo 1, below).
2. Install the control panel behind the radio bracket using the OEM screws (See Photo 2, below).
3. Remove the lower control panel knob (See Photo 3, below).
4. Reinstall the ashtray housing using the OEM hardware (See Photos 4 and 5, below).

Install the control panel wiring onto the control panel and route wiring through the dash to the ECU

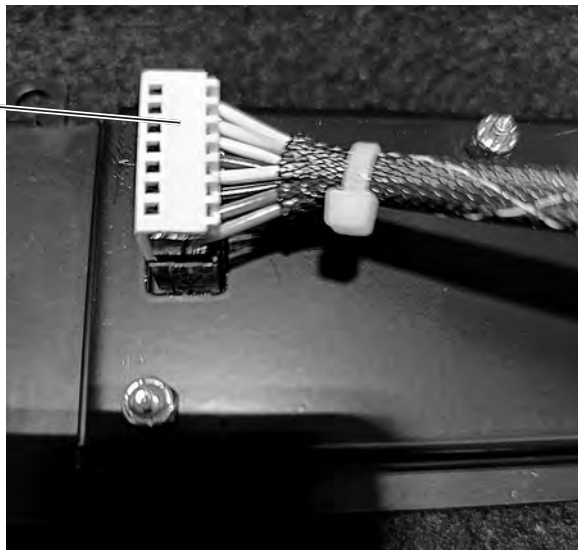


Photo 1



Photo 2

Install the control panel behind the radio bracket using the OEM screws

Remove the lower control panel knob



Photo 3



Photo 4

Reinstall the ashtray housing using the OEM hardware



Photo 5



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Control Panel Installation (Cont.)

5. Reinstall the dash trims using the OEM hardware (See Photo 6, below).
6. Reinstall the bezel using the OEM hardware and install the lower control panel knob (See Photo 7, below).
7. Reinstall the radio knobs (See Photo 8, below).
8. Plug wiring harness connector into ECU (See Photo 9, below).



Reinstall the dash trims using the OEM hardware

Photo 6



Reinstall the bezel using the OEM hardware and install the lower control panel knob

Photo 7



Reinstall the radio knobs

Photo 8



Plug wiring harness connector into ECU

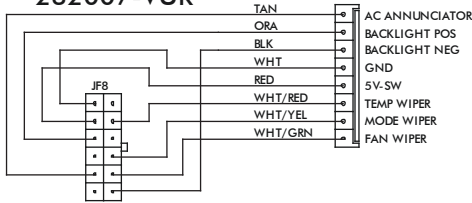
Photo 9



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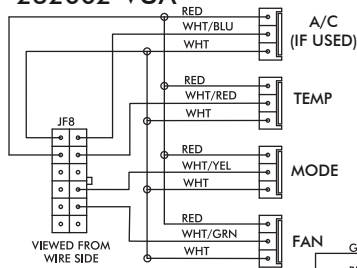
Gen IV Wiring Diagram

232007-VUR



VIEWED FROM WIRE SIDE

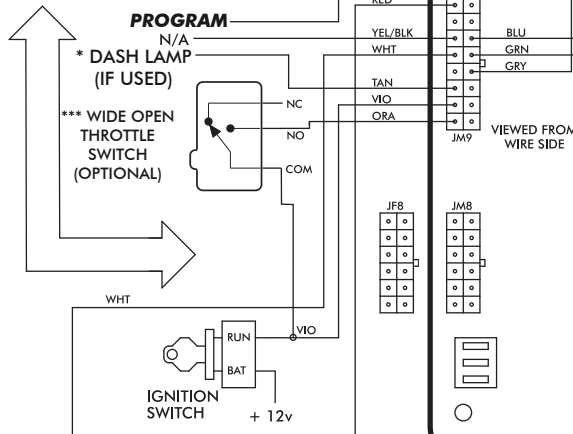
232002-VUA



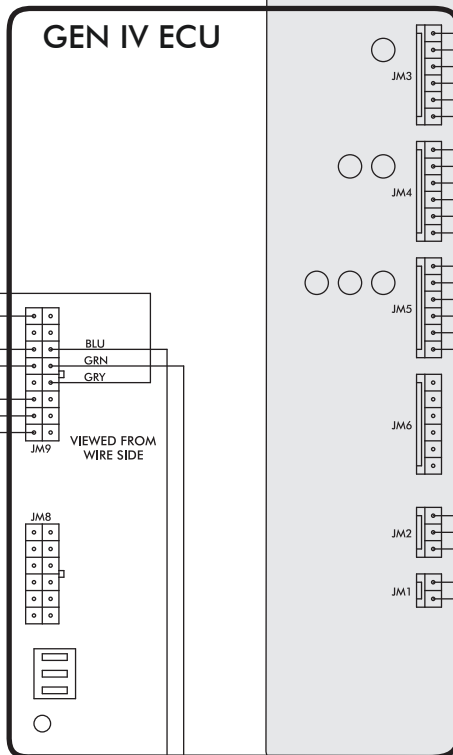
VIEWED FROM WIRE SIDE

PROGRAM

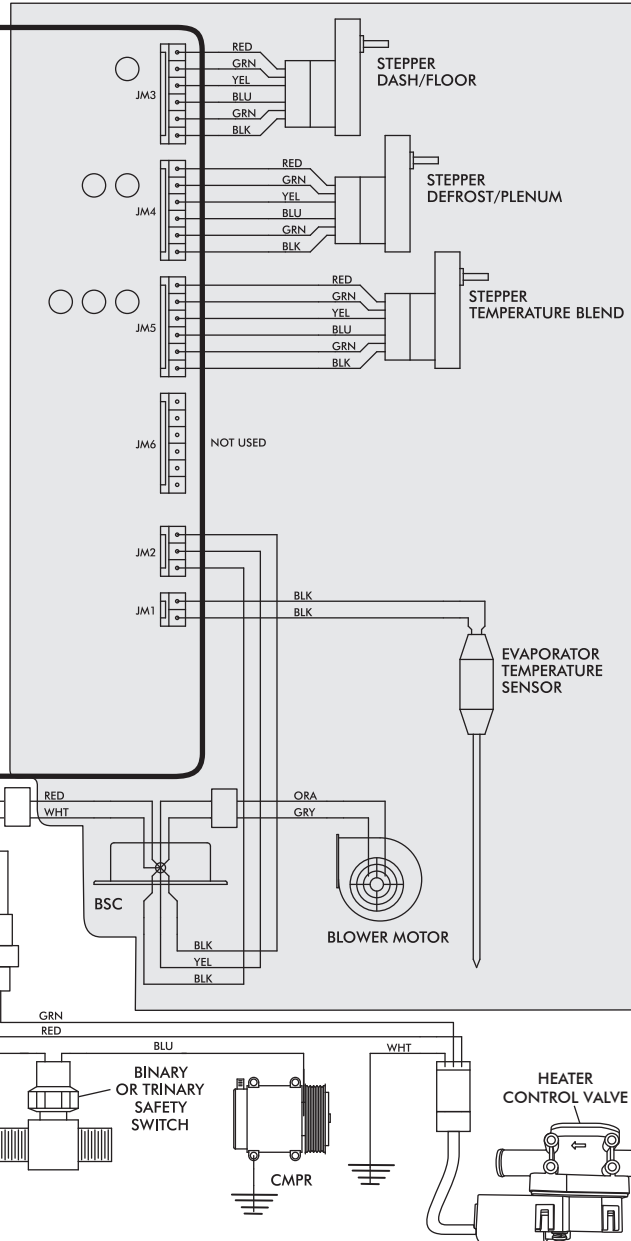
N/A
* DASH LAMP (IF USED)
*** WIDE OPEN THROTTLE SWITCH (OPTIONAL)



GEN IV ECU



PRE-WIRED



NOTE: = CHASSIS GROUND

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

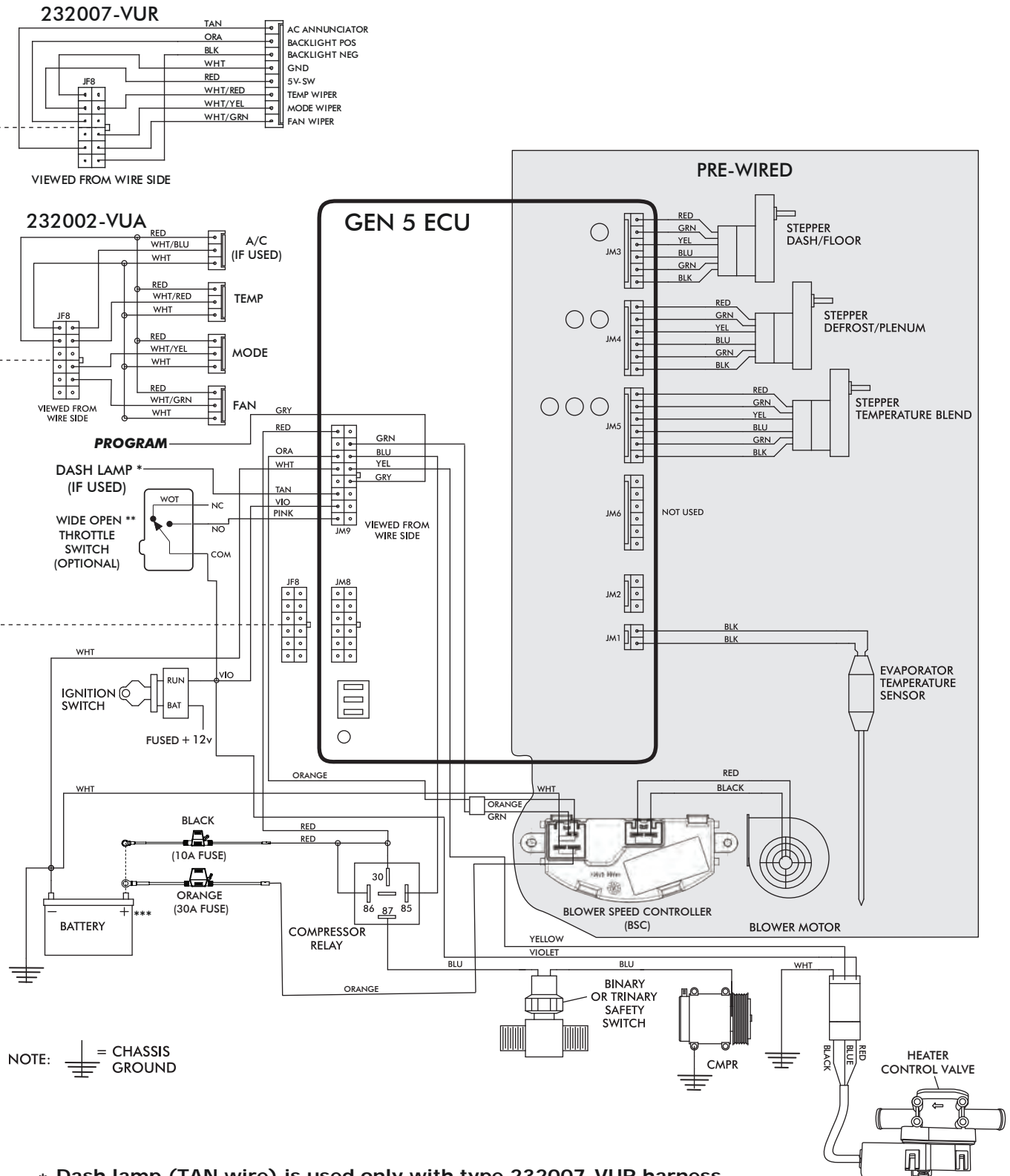
** Warning: Always mount circuit breaker as close to the battery as possible. (NOTE: Wire between battery and circuit breaker is unprotected and should be carefully routed to avoid a short circuit).

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



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Gen 5 Wiring Diagram



NOTE: = CHASSIS GROUND

- * 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 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 control 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

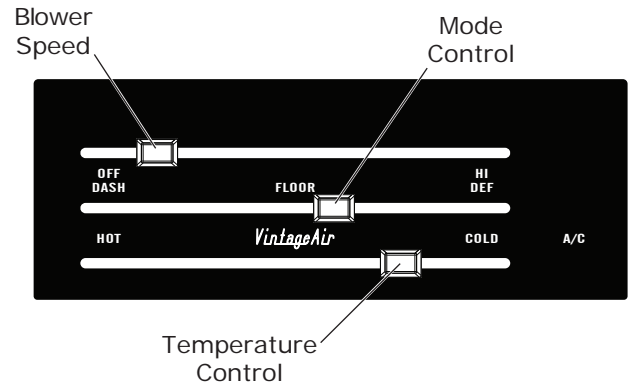
This lever/knob controls blower speed, from OFF to HI.

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

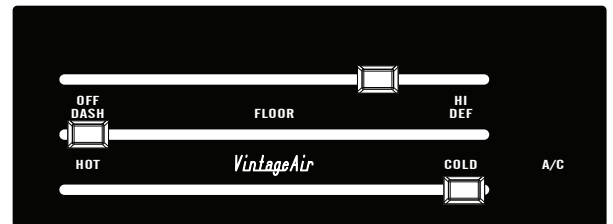
Adjust to desired speed.

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

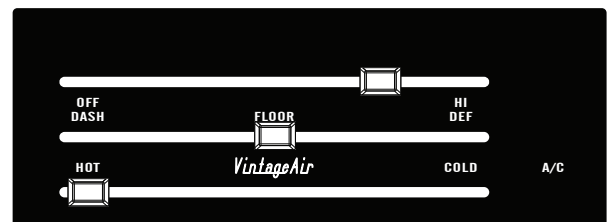
Adjust to desired speed.

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

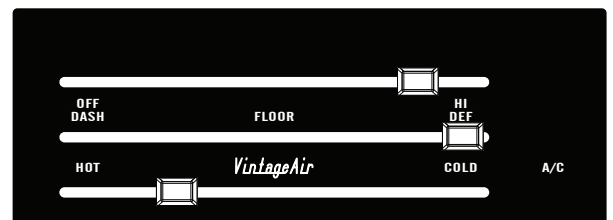
Adjust to desired speed.

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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No.	Qty.	Part No.	Description
1.	1	474160	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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