

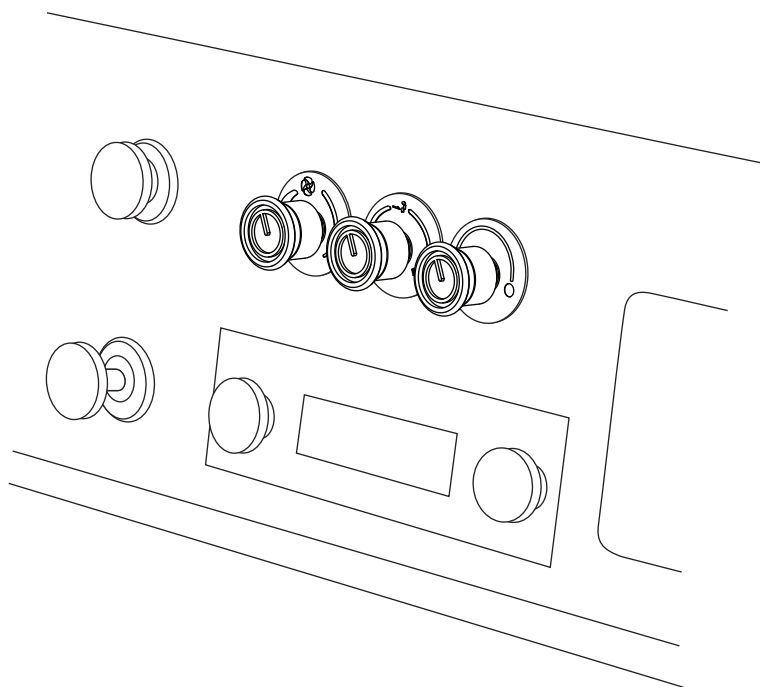


an ISO 9001: 2008 Registered Company

1966-77 Ford Bronco

Control Panel Conversion Kit

474156



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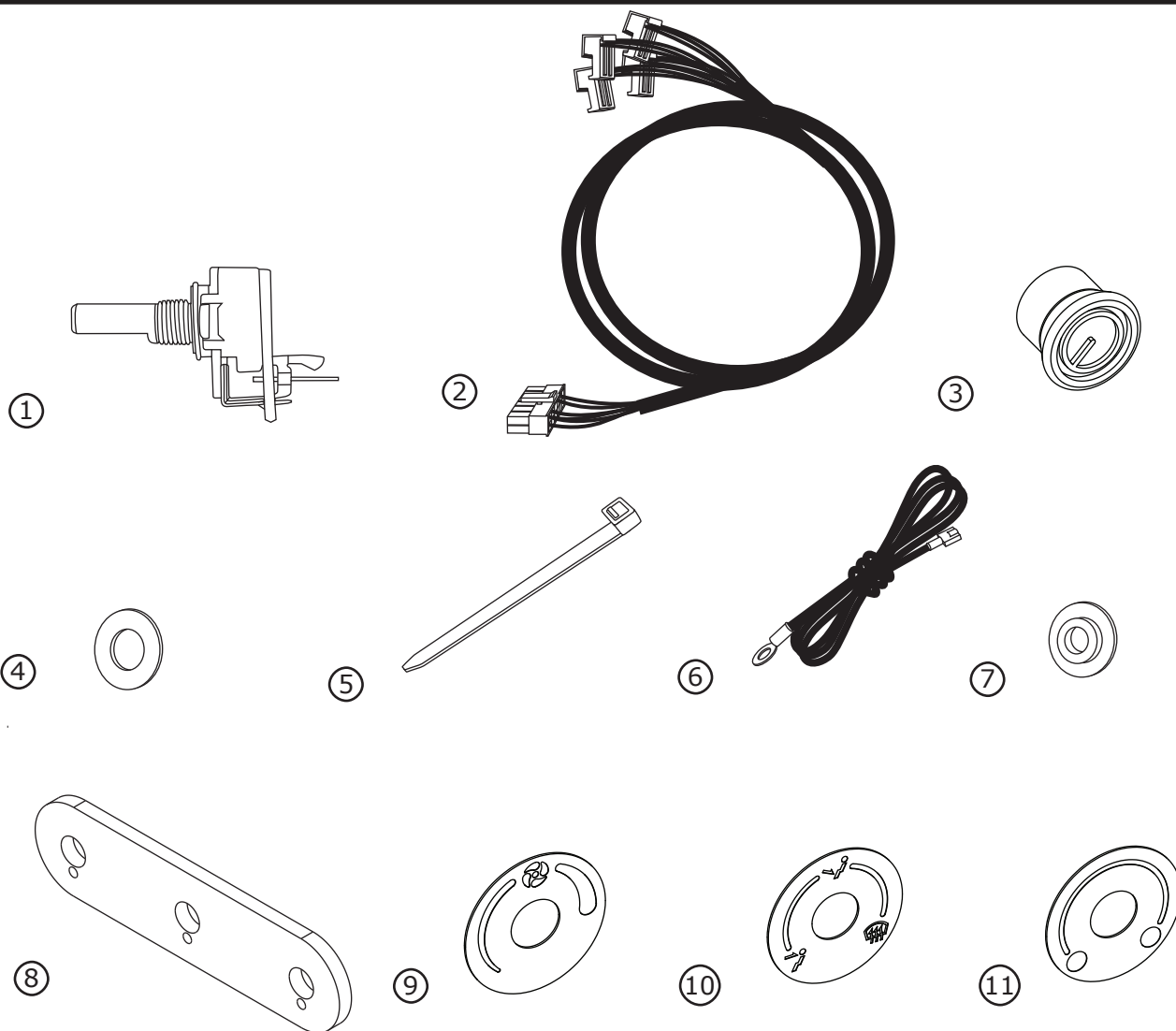
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Packing List: 1966-77 Bronco Control Panel Conversion Kit (474156)

No.	Qty.	Part No.	Description
1.	3	246018-0	Rotary Pot Assembly
2.	1	232002-VUA	Gen IV Universal Control Harness
3.	3	497004	Knob, Soft Black Metric
4.	3	18543-WNS	3/8" AN Flat Washer Stainless Steel
5.	5	21301-VUP	4" Tie Wrap
6.	1	231520	Ground Wire
7.	3	117002	Control Pot Adapter Nut
8.	1	648171	Bracket, 66-77 Bronco Control Panel Backing
9.	1	205550	Label GEN IV Rotary Fan
10.	1	205551	Label GEN IV Rotary Mode
11.	1	205552	Label GEN IV Rotary Temp

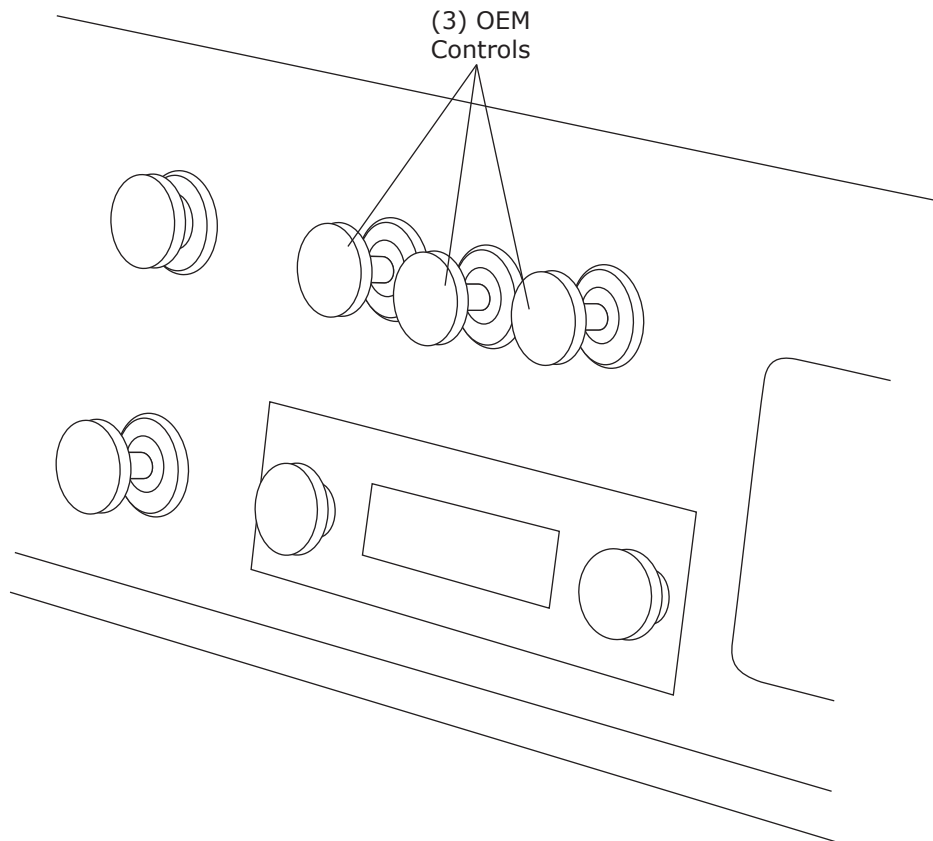
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**





Removing OEM Controls

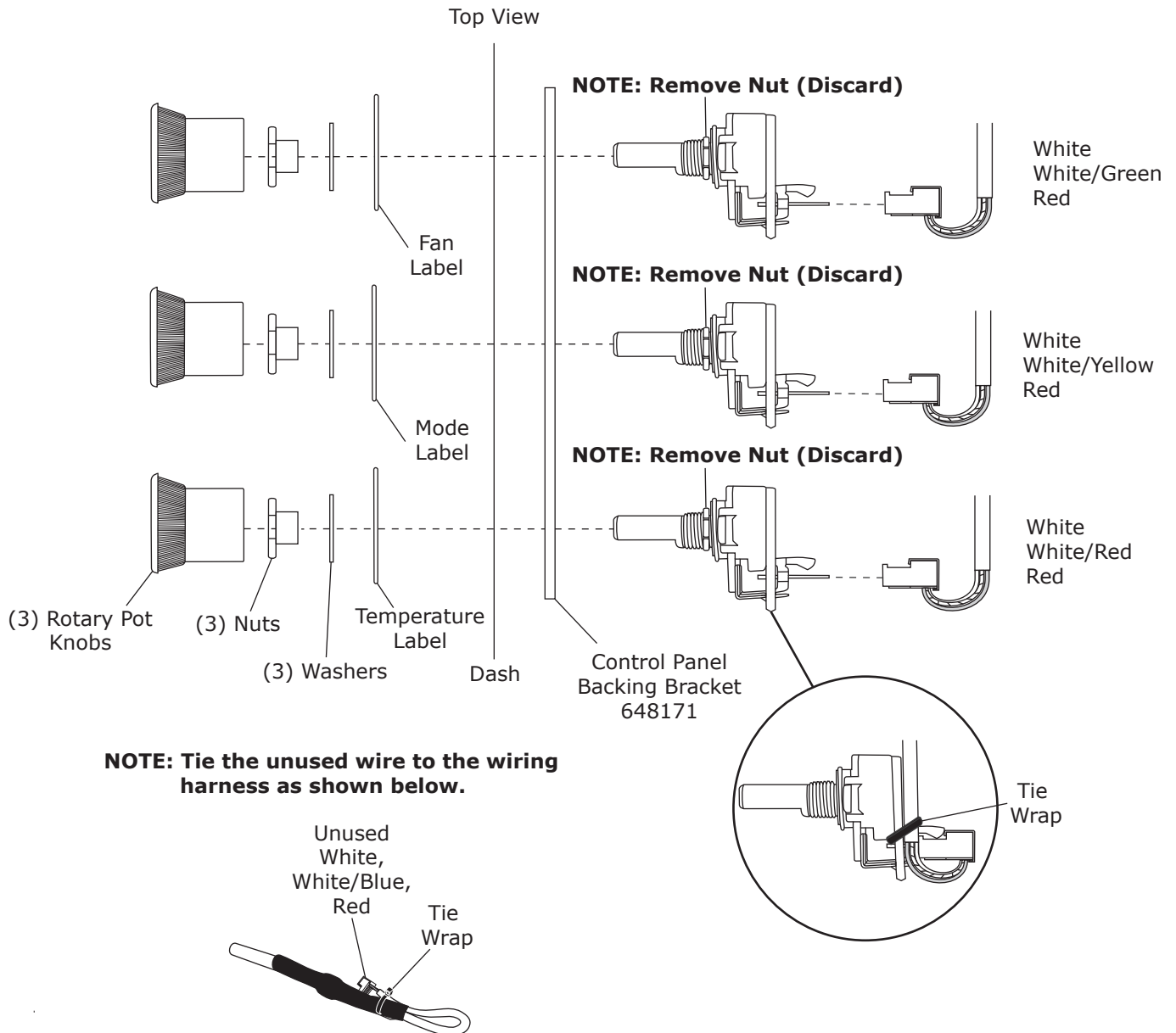
1. Disconnect cables and wires from back of controls.
2. Remove the (3) OEM controls (discard).





Rotary Pot Installation

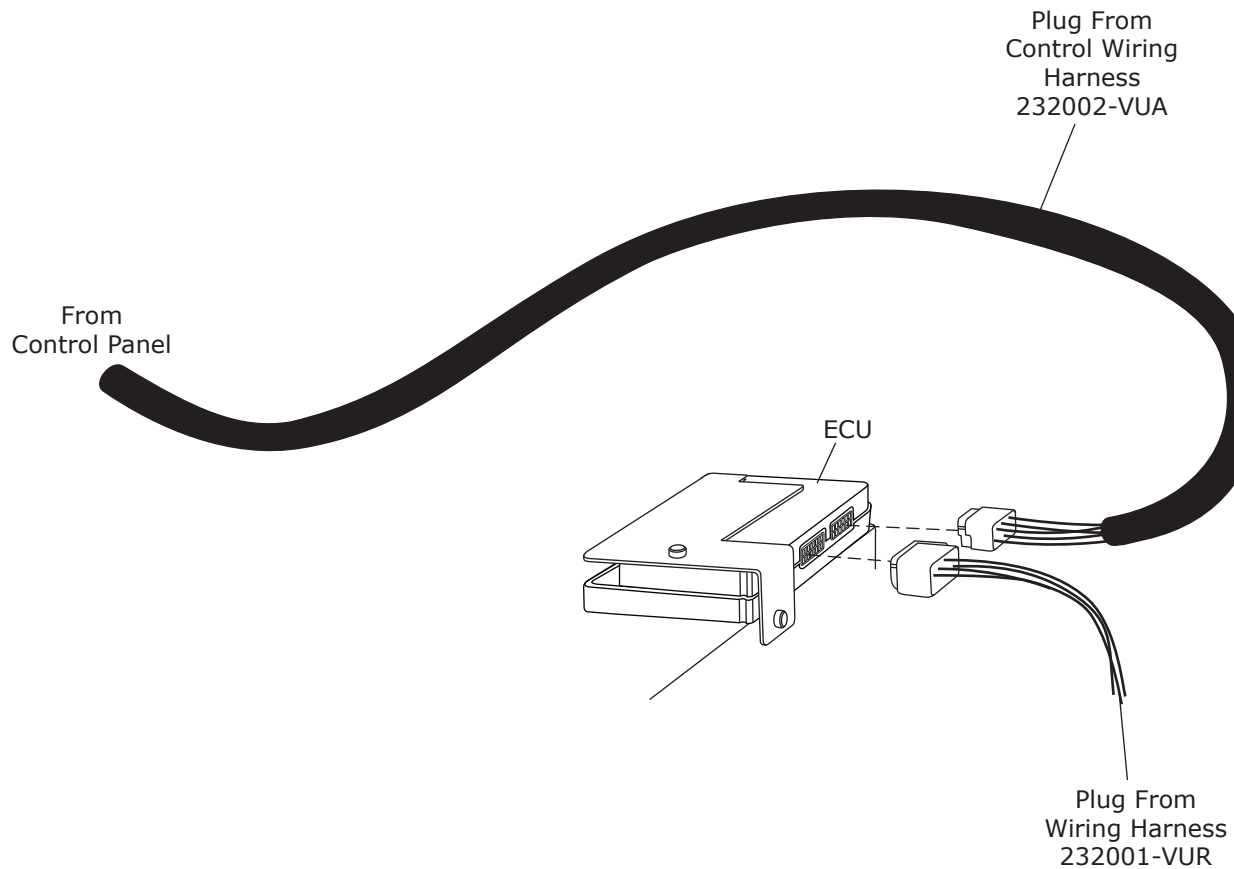
1. Locate the (3) rotary pot assemblies, and install in dash as shown below.
2. Tie wrap wires to rotary pots as shown.





Final Steps

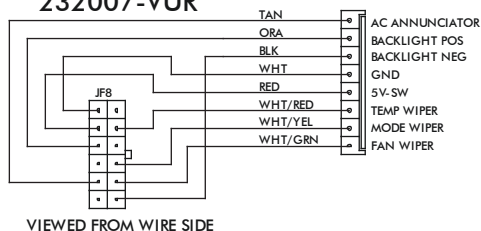
1. Plug the wiring harnesses into the ECU module on the sub case (see below).
2. Wire according to wiring diagram on Page 9.



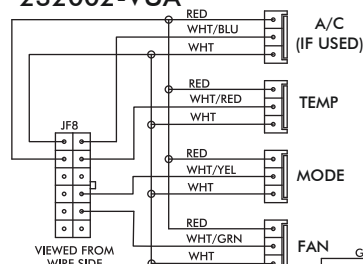


Wiring Diagram

232007-VUR

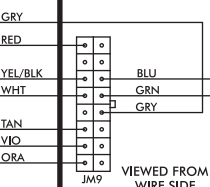


232002-VUA

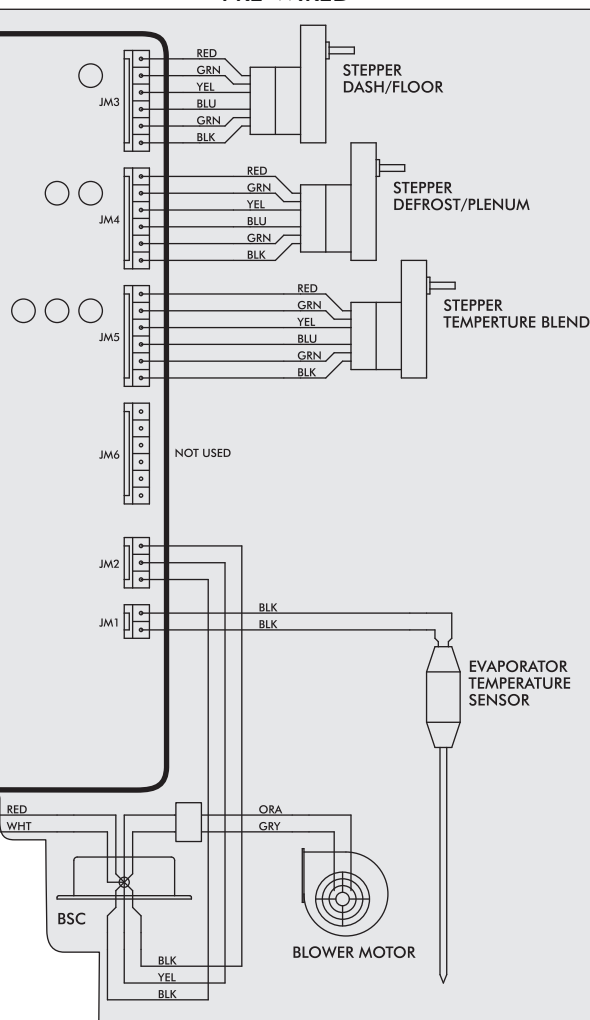


GEN IV ECU

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



PRE-WIRED



PROGRAM

N/A

* DASH LAMP
(IF USED)

*** WIDE OPEN
THROTTLE SWITCH
(OPTIONAL)

IGNITION SWITCH
+ 12v

** CIRCUIT
BREAKER
30 AMP

COMPRESSOR
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.



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. **NOTE: For proper control panel function, refer to control panel instructions for calibration procedure.**

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.

Blower Speed



Mode Control



Temperature Control



A/C Operation

Blower Speed

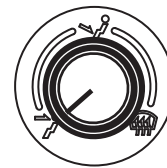
Adjust to desired speed.

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

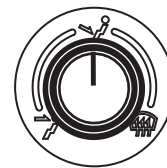
Adjust to desired speed.

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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Checked By: _____
Packed By: _____
Date: _____

