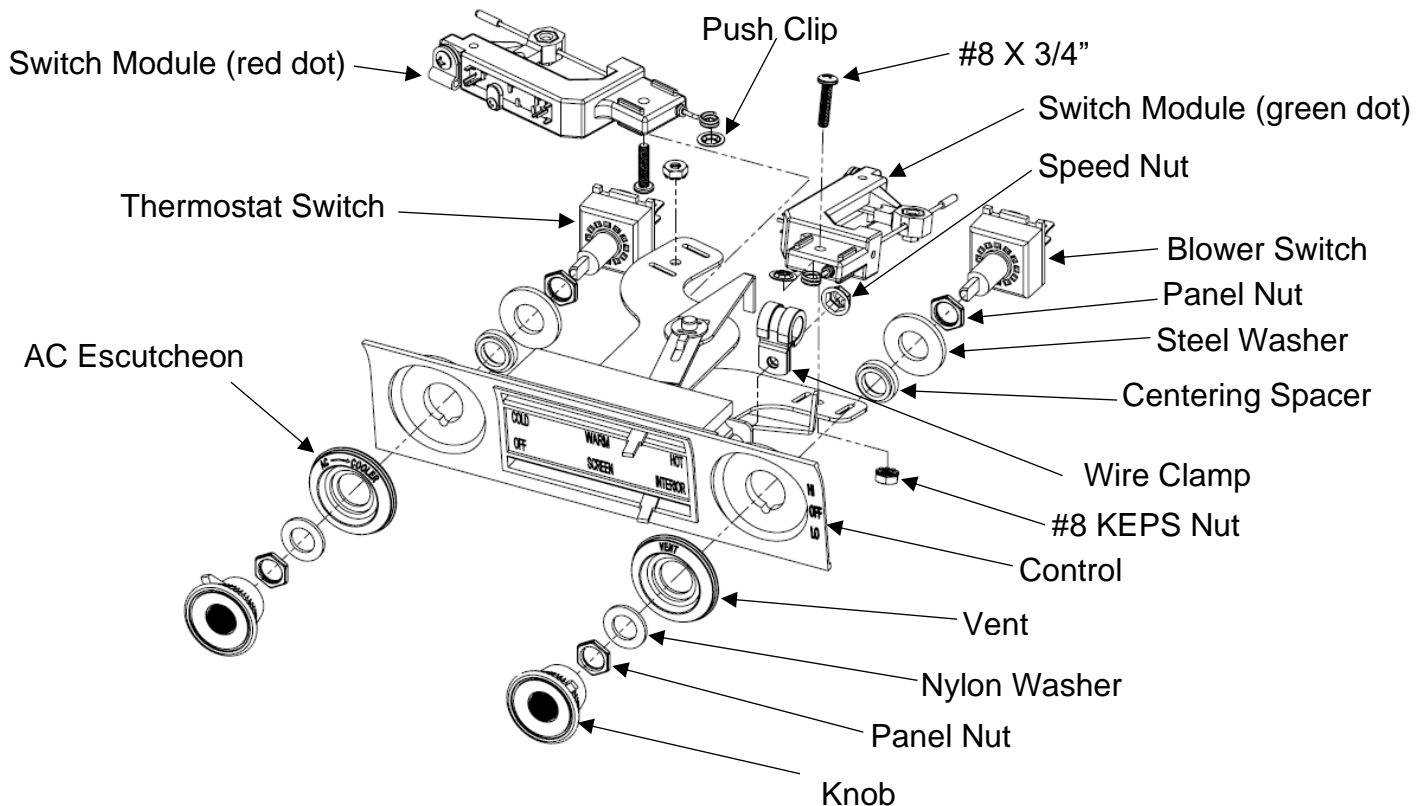


47-6972E

69-72 FALCON

XW/XY SERIES



CONTROL MODIFICATION / INSTALLATION

- 1) Disassemble original control
 - a) Remove original knobs and switches from the control.
 - b) Remove speed nut from the passenger side on the back of the control.
- 2) Modify control
 - a) Align the switch modules into their respective positions using the two built in slots.
Note: The two switch modules are marked with a red and green dot on the 3 terminal connectors. Switch module marked red is heater (Driver side), green is dash/defrost (Passenger side)
 - b) Mark the center holes on the control brackets.
 - c) Drill the two marked holes with a 3/16" drill bit.
- 3) Attach Potentiometers
 - a) Remove plastic covers on ends of cable and slip control cable through hole on each slide switch.
 - b) Align loops on cable with studs on control arms. Attach modules to control with (2) #8 X 3/4" Screws and (2) #8 KEPS Nuts.
 - c) Secure cable to control levers with push clips.
 - d) Adjust the cable by pushing the two control levers all the way to the left and push the two potentiometer slides all the way towards the control. Tighten screw to secure cable.
Note: Ensure that the entirety of the stroke of the potentiometer is being used. The cables can be trimmed at this point.
 - e) Plug matching three terminal connectors from switch module into wire harness.

- 4) Install blower and thermostat switches
 - a) Thread a 7/16-28 panel nut to both switches and slide a steel washer onto both shafts.
 - b) From back side of the dash, insert switches through the control head mounting holes.
 - c) Slide centering spacer onto both switch shafts.
 - d) Attach control head to dash and ensure centering spacers are properly aligned inside the holes in control head bezel.
 - e) Place escutcheons over switch shafts followed by a nylon washer and panel nut.
 - f) Ensure switches are rotated to desired angle before tightening.
 - g) Install knob by pressing onto switch shaft.

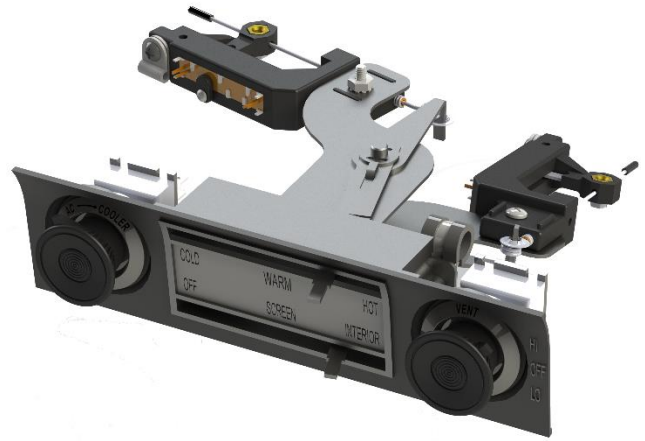


Image 1: Assembled control

- 5) Wire harness installation
 - a) Connect 5-terminal plug to blower switch.
 - b) Connect 2-wire/5-terminal plug to thermostat switch.
 - c) Connect the (2) 3 terminal connectors on control to matching plugs in wire harness. Match the two corresponding color code dots on plugs.
 - d) Plug connector marked “DEF” into servo motor located on top left side Hurricane unit.
 - e) Route connector marked “HTR” toward engine compartment to connect to servo motor on heater valve when heater hoses are installed.
 - f) Orange wire w/ 30A fuse connects to 12V ignition “Key-On” Power source.
 - g) Orange wire w/ 20A fuse connects to 12V power source.
 - h) Black wire with ring terminal from relay will connect to ground.

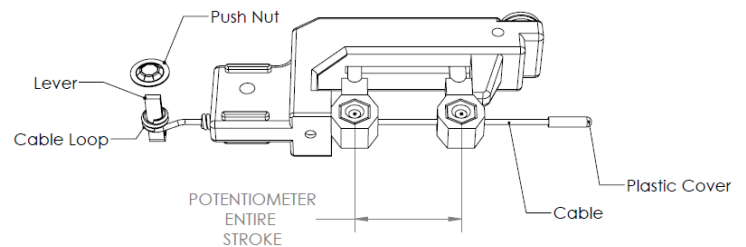


Diagram 1: Potentiometer setup

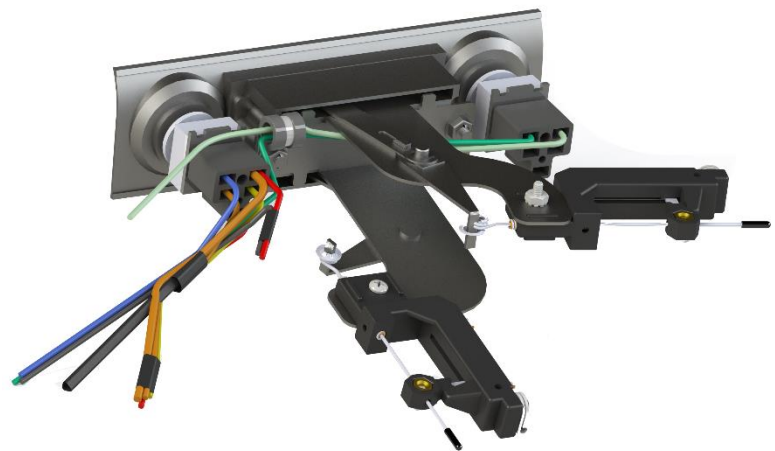
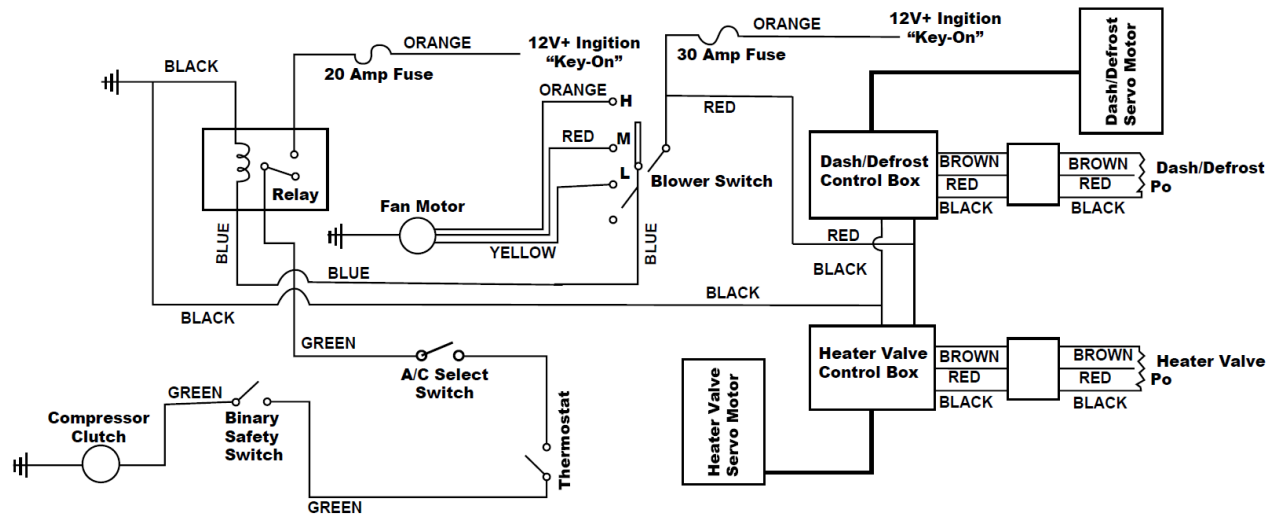


Image 2: Attach wire harness

- Note:** Make sure to clean surface and use a star washer for good connection. Loose, dirty or a bad ground connection can cause excessive amperage draw that can damage wire harness and/or other electrical system components.
- i) Flat 3 terminal connector connects to mating connector on Hurricane unit.
 - j) Route the two green wires (tapes together) through the wire clamp and tighten with original speed nut. Then connect to the two terminals on the thermostat switch located on the driver side of the control.
 - k) Route green wire w/ bullet connector through firewall to be connected to safety switch and compressor during installation of under-hood components. (See wiring diagram included with pressure safety switch)

WIRING DIAGRAM



Control System Operation

A/C MODE:

- Blower switch ON – Select desired fan speed. (Counterclockwise – OFF , Clockwise – Low => Medium => High)
- Move Dash/Defrost Lever to “OFF” (Left) position.
- Move A/C Heat Lever to “COLD” (Left) position.
- Rotate Thermostat Switch fully clockwise.

VENT or HEAT MODE:

- Blower switch ON – Select desired fan speed.
- Move Dash/Defrost Lever to “OFF” (Left) position.
- Move A/C Heat Lever to the right towards “HOT” to increase heat.
- Rotate Thermostat Switch fully counterclockwise.

DEFROST MODE:

- Move Dash/Defrost Lever to “INTERIOR” (Right) position. Air may be directed to dash or defrost in A/C or Heat Mode.

