

**IMPORTANT! PLEASE READ
THESE INSTRUCTIONS.**

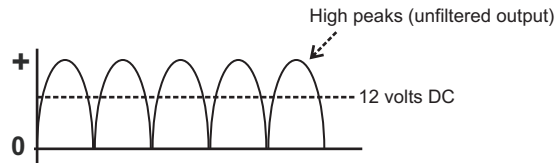


Dinosaur Electronics
(541) 994-4344

N991 Installation Instructions

Preface to Installation! Before attempting installation, make sure the 12 Volt source to the refrigerator is DC coming from the battery, the battery charging side of the converter, or the filtered and regulated output of a “linear” converter; as is recommended by ALL the refrigerator manufacturers!

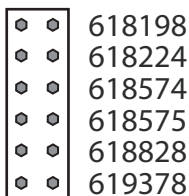
These kinds of HIGH “RIPPLE” outputs from rectified transformer style converters or damaged converters can have peak voltages of 22 to 28 volts, AND if a power surge comes along it gets through like gang busters, SO! – PAY ATTENTION!



High ripple voltage coming from your converter into the 12 volt DC supply can adversely affect the operation of your refrigerator and your circuit board, possibly causing premature failure. If you detect or suspect high ripple voltage may be an issue, please call us and we will instruct you on how to correctly check for and correct this condition.

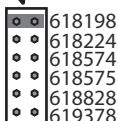
Installation: Please note that all of the connections to the board for the: AC, AC Heater, P1 Cable, P2 Cable, or P3 door, DC Heater or Flapper Heater, +12V, GND, Gas Valve GND, and the Spark Wire are all labeled the same, and in the same location as the original factory boards!

YOUR ATTENTION PLEASE!



618198
618224
618574
618575
618828
619378

Selection jumper: You **MUST** move the jumper on the board to correspond to the exact part number on the board being replaced.
FAILURE TO SET THE JUMPER correctly will result in no operation or improper operation.



Program jumper is shown set to position “618198”
SHOWN FOR EXAMPLE PURPOSES ONLY!
YOU MUST SET THE JUMPER CORRECTLY

Use or replace the F3 AC fuse with a **5 amp** fuse for refrigerators have a single AC heater.
Replace or install the **8 amp** fuse for refrigerators that have dual AC heaters

F3

Replace F1 & F2 with 3 amp fuses only!

F2

F1

12V FAN/DC HTR

12VDC

P3

P2

P1

12VDC

12V FAN/DC HTR

12VDC

12V FAN/DC HTR

12VDC

L1

L2

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC HTR2

AC HTR

AC in (Hot)

AC in (Neut)

AC Heater 2 (Neut)

AC Heater (Neut)

AC Heater 2 (Hot)

AC Heater (Hot)

AC Heater 2 (Hot)

AC Heater (Hot)

+ 12V DC

12V Fan/DC Heater

Gas Valve

Gas Valve Ground

12V DC Ground

Flapper/DC Heater

Spark Wire

Use these connectors for the second AC heater element. Used only in refrigerators with dual AC elements.



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Follow proper safety practices. If in doubt, consult a professional RV technician.