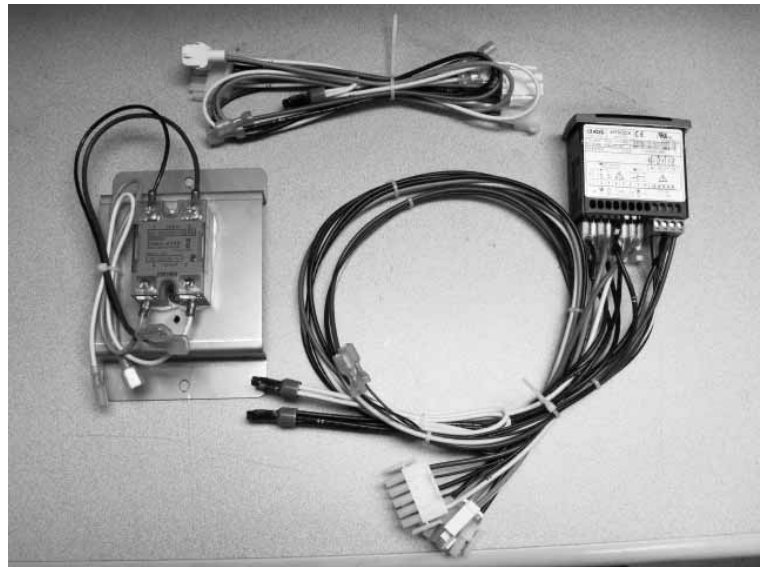


Description

Freezer retrofit kit to add an external relay and replace the controller.

Materials Supplied

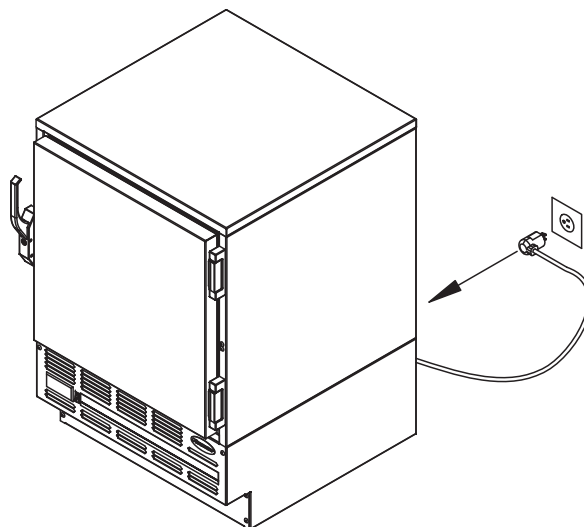
- (1) Controller and wiring harness
- (1) Relay and mounting bracket with double-sided tape
- (1) Label, wiring schematic
- (1) "T" wiring harness



Installation

1. Move freezer power switch to off and unplug the power cord (**Fig. 1**).

Fig. 1



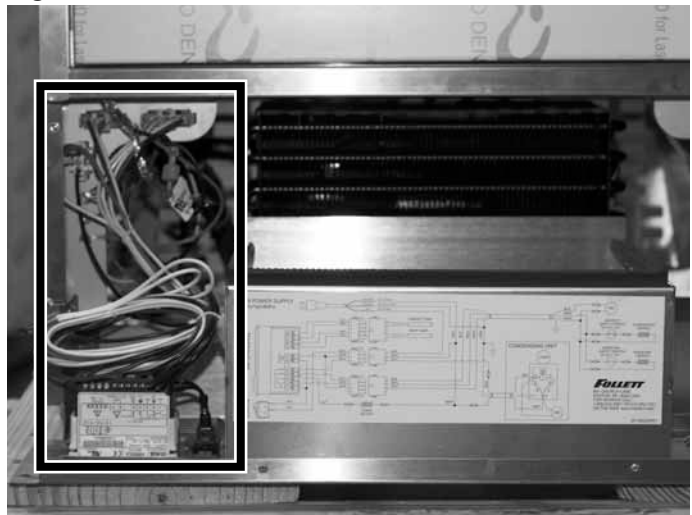
2. Remove (and save) the six screws from the lower front panel and slide the panel forward (**Fig. 2**).

Fig. 2



3. Tip the front panel forward and lay it flat. All work will be performed in the area indicated (**Fig. 3**).

Fig. 3



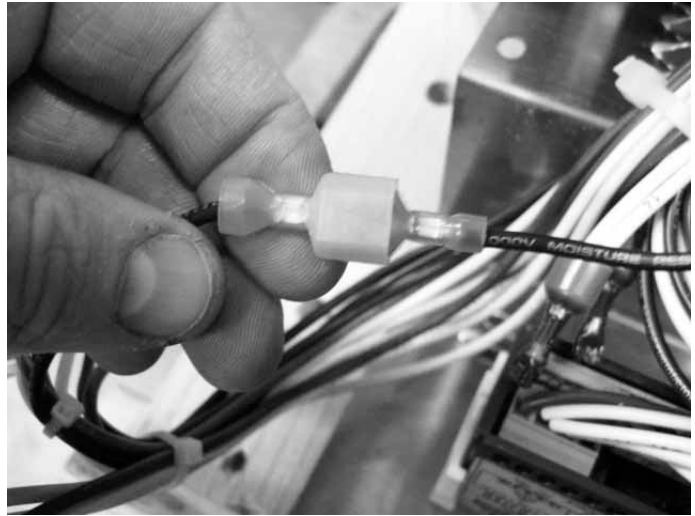
4. Disconnect the wiring harnesses from the 3-, 4- and 5-pin connectors (**Fig. 4**).

Fig. 4



5. Disconnect the door heater stake-on connector (**Fig. 5**).

Fig. 5



6. Cut the wire tie securing the controller harness to the kick panel (**Fig. 6**).

Fig. 6



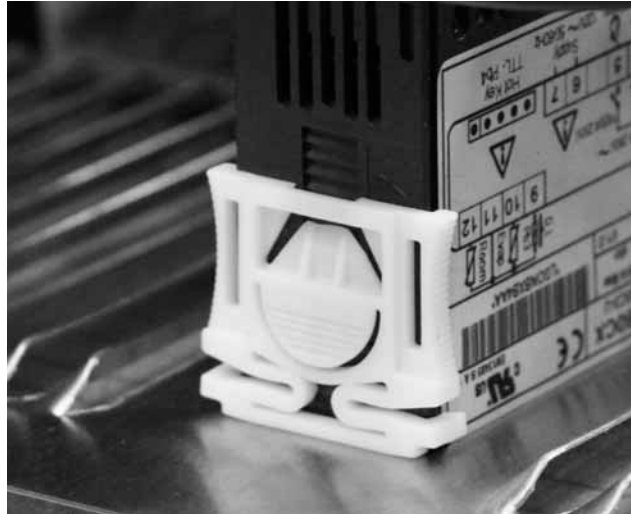
7. Remove the two wire connections from the power switch (**Fig. 7**).

Fig. 7



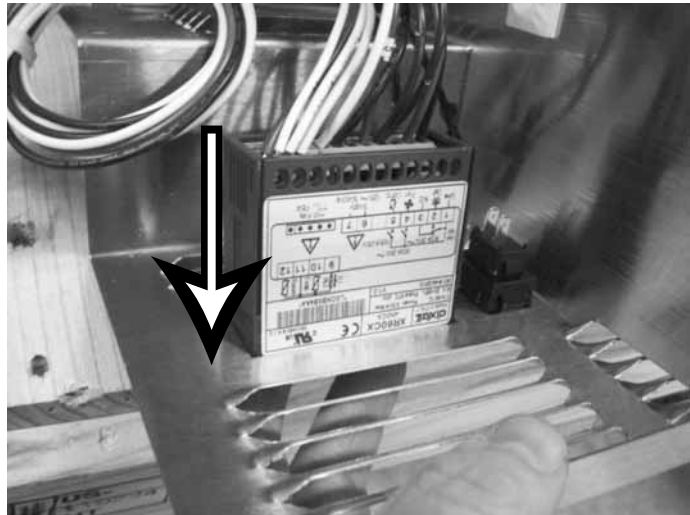
8. Press the center of the side brackets to release and slide the brackets off of the controller. **(Fig. 8).**

Fig. 8



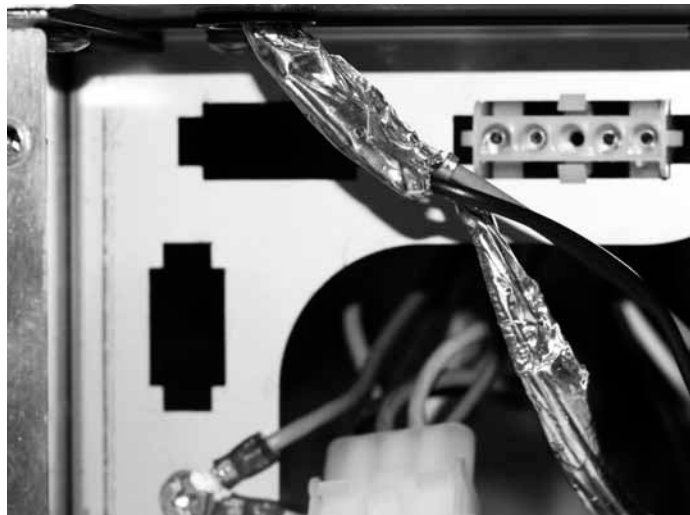
9. Push the old controller and wires out through the front panel and discard **(Fig. 9).**

Fig. 9



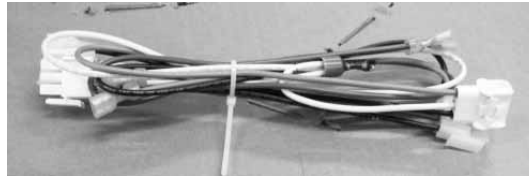
10. Using a long-nose pliers to compress the retaining clips, remove only the 3- and 4-pin female connectors from the gusset. **(Fig. 10).**

Fig. 10



11. Cut the bundling wire ties from the new "T" harness (Fig. 11).

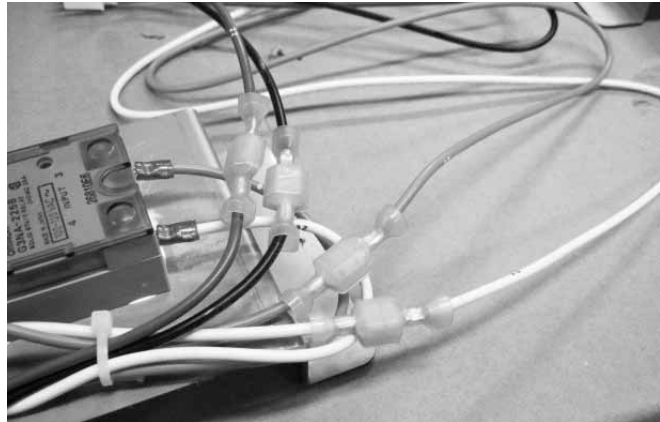
Fig. 11



12. Connect the wires from the "T" harness to the corresponding colored wire from the relay (Fig. 12):

- BLUE wire from the "T" harness to BLUE wire from the relay.
- BLACK wire from the "T" harness to BLACK wire from the relay.
- ORANGE wire from the "T" harness to ORANGE wire from the relay.
- WHITE wire from the "T" harness to WHITE wire from the relay.

Fig. 12



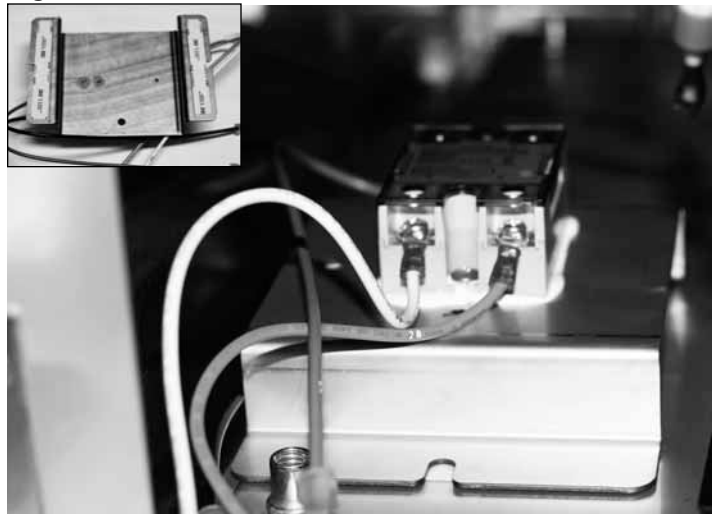
13. Clean the stainless steel base (left of the condensing unit, behind the threaded leveling leg post) with alcohol, in order to adhere the bracket with the control relay (Fig. 13).

Fig. 13



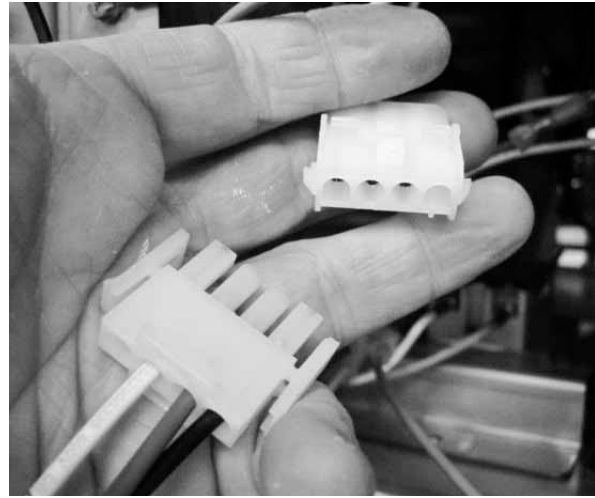
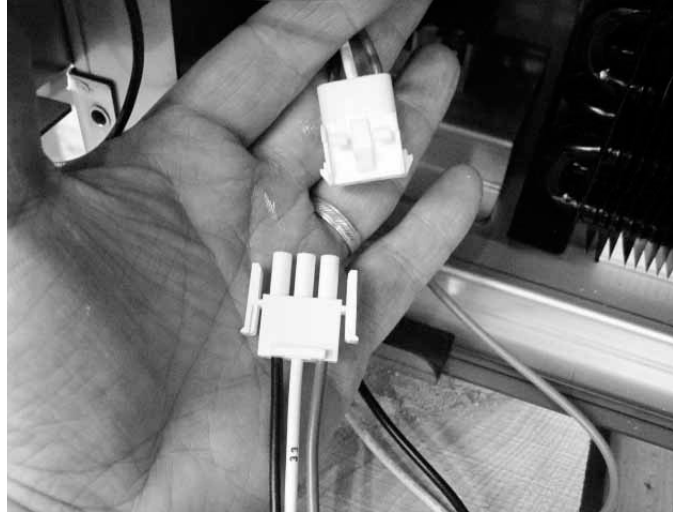
14. Remove the paper from the double-sided tape on the bottom of the bracket that holds the relay and adhere it to the base (Fig. 14).

Fig. 14



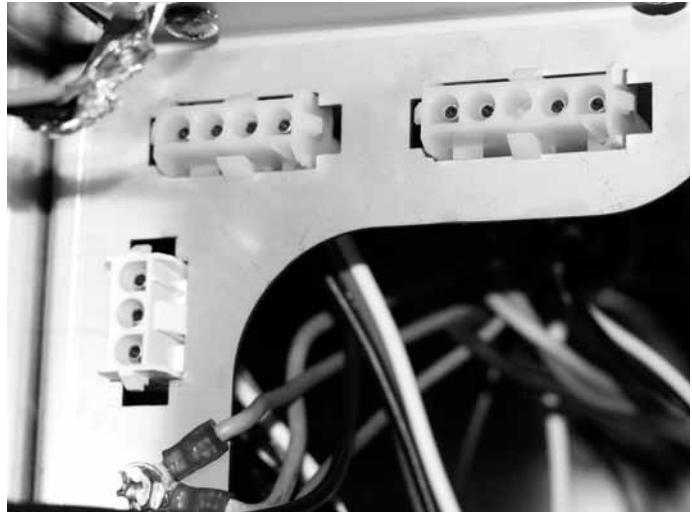
15. Connect the 3- and 4-pin female connectors that were removed from the gusset to the male connectors from the "T" harness of the control relay assembly (Fig. 15).

Fig. 15



16. Install the 3- and 4-pin female connectors from the "T" harness from the control relay assembly into the 3- and 4-pin hole locations on the gusset (Fig. 16).

Fig. 16



17. Coil the newly installed wires behind the bulkhead and wire tie them together (Fig. 17).

Fig. 17



18. Insert the wire harness with the new controller through the controller opening on the front panel and slide the mounting clips onto each side of the controller to anchor the controller to the front panel (Fig. 18).

Fig. 18



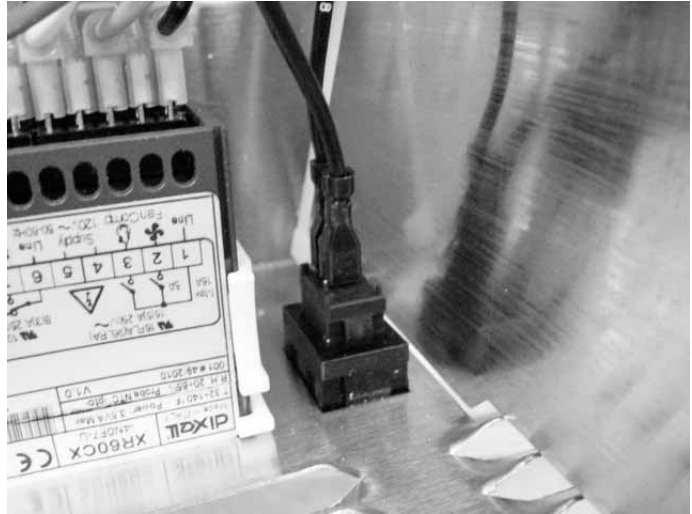
19. Install (1) large tie wrap through the tie wrap base (Fig. 19).

Fig. 19



20. Connect the two black wires to the power switch on the front panel (**Fig. 20**).

Fig. 20



21. Coil the controller harness and secure it in position with the previously installed wire tie (**Fig. 21**).

Fig. 21



22. Connect the male 3-, 4- and 5-pin connectors to the female 3-, 4- and 5-pin connectors mounted in the gusset (**Fig. 22**).

Fig. 22



23. Connect the controller's #2 terminal male spade connector to the door heater's female spade connector (**Fig. 23**).

Fig. 23



24. To display the freezer temperature in degrees Fahrenheit, disconnect the spade terminal connection between the #9 and #11 terminals of the controller (**Fig. 24**).

Fig. 24



25. Cover the existing refrigerator wiring diagram label with the new (supplied) wiring diagram label (**Fig. 25**).

Fig. 25



26. Replace the front panel using the six screws from Step 1 (Fig. 26).



CAUTION!

Keep all wiring clear of the condenser.

Fig. 26



27. Plug in the power cord and move the freezer power switch to on.

28. Check and adjust, if necessary, the cut-out temperature.

Model	Default Cut-out Temperature	
	Degrees C	Degrees F
FZR4/5	-25	-13
FZR5-PL	-35	-31

29. Test operation.

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