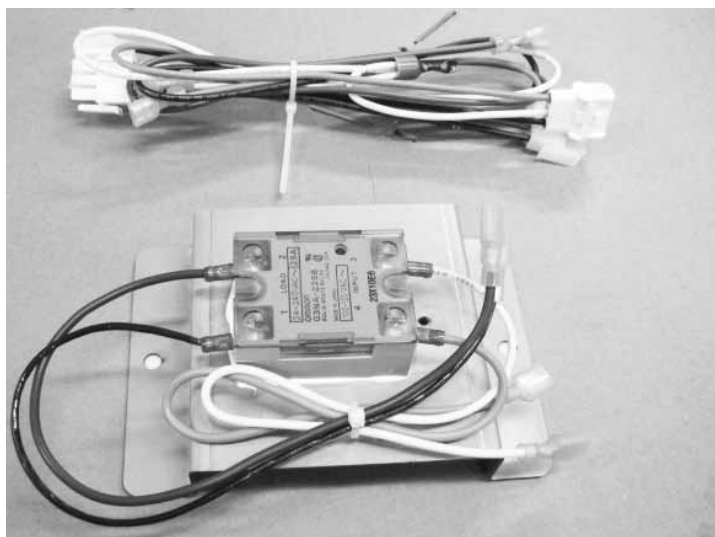


Description

Refrigerator retrofit kit to add an external relay.

Materials Supplied

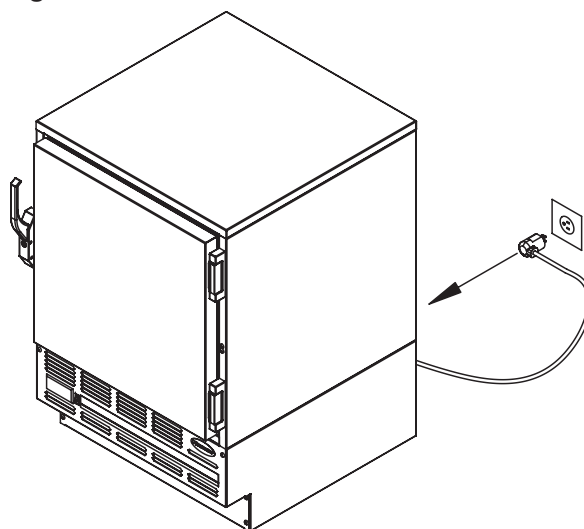
- (1) Relay and mounting bracket with double-sided tape
- (1) Label, wiring schematic
- (1) "T" wiring harness



Installation

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

Fig. 1



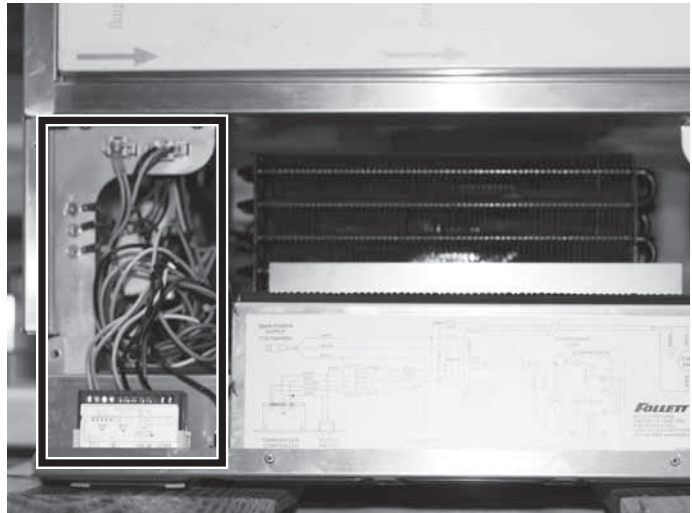
2. Remove (and save) the six screws from the lower front panel and slide the panel forward (**Fig. 2**).

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 harness from the connectors (**Fig. 4 - REF5 and REF4-ADA connectors shown**).
 - REF5 and REF4-ADA have 2- and 3-pin connectors.
 - REF5-BB have 3- and 4-pin connectors.

Fig. 4



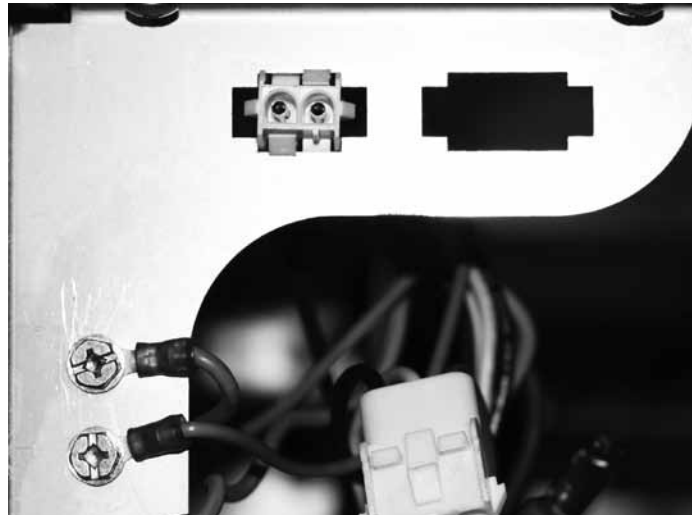
5. Cut the wire tie securing the controller harness to the kick panel (**Fig. 5**).

Fig. 5



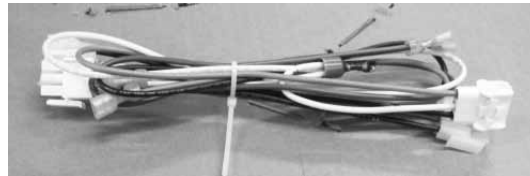
6. Using a long-nose pliers to compress the retaining clips, remove only the right-most female connector from the gusset. (**Fig. 6**).

Fig. 6



7. Cut the bundling wire ties from the new "T" harness (**Fig. 7**).

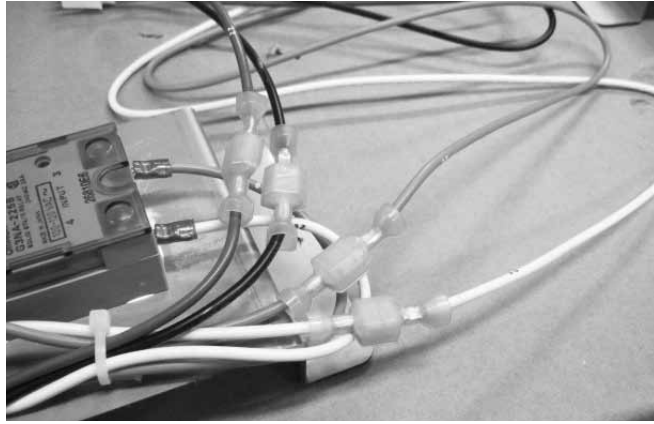
Fig. 7



8. Connect the wires from the "T" harness to the corresponding colored wire from the relay (**Fig. 8**):

- 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.

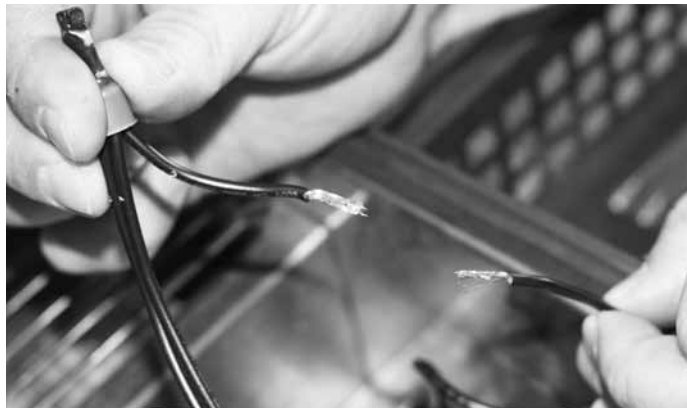
Fig. 8



9. REF5-BB: Do NOT perform Step 9; continue to Step 11!

REF5/REF4-ADA only: Locate the black lead that runs from the power switch to the purple wire nut. Cut the black lead approximately 4" below the wire nut and strip 1/2" insulation from each cut end (**Fig. 9**).

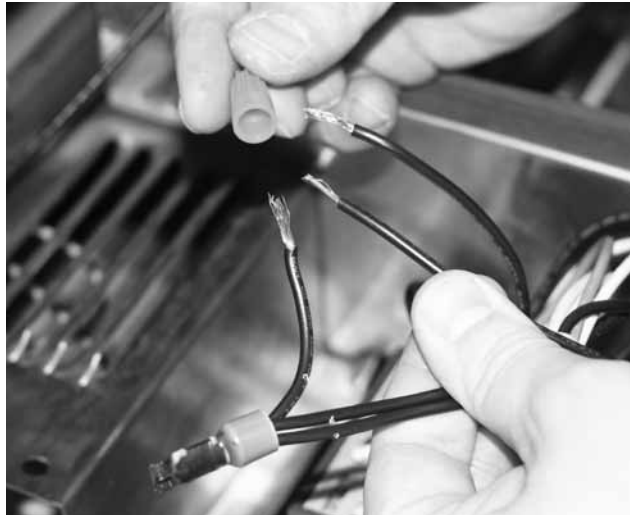
Fig. 9



10. REF5-BB: Do NOT perform Step 10; continue to Step 11!

REF5/REF4-ADA: Use the supplied wire nut to join the two newly stripped ends and the factory-stripped black lead of the "T" harness (**Fig. 10**).

Fig. 10



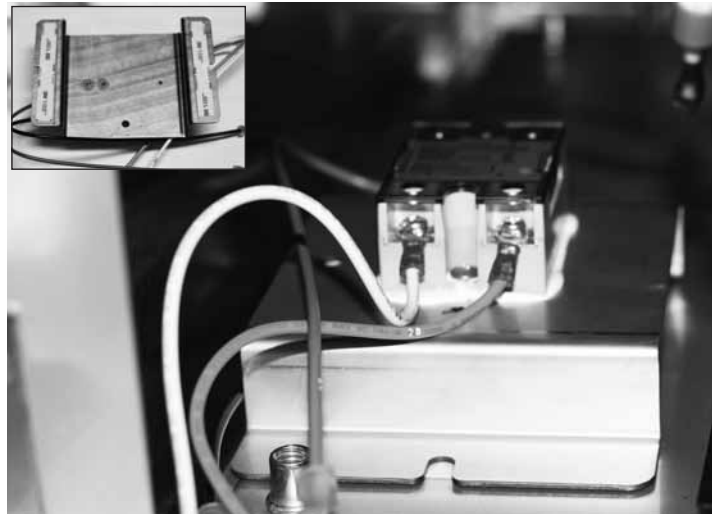
11. Clean the stainless steel base (left of the condensing unit, behind the threaded leveling leg post) with alcohol, in order to adhere the bracket with the control relay (Fig. 11).

Fig. 11



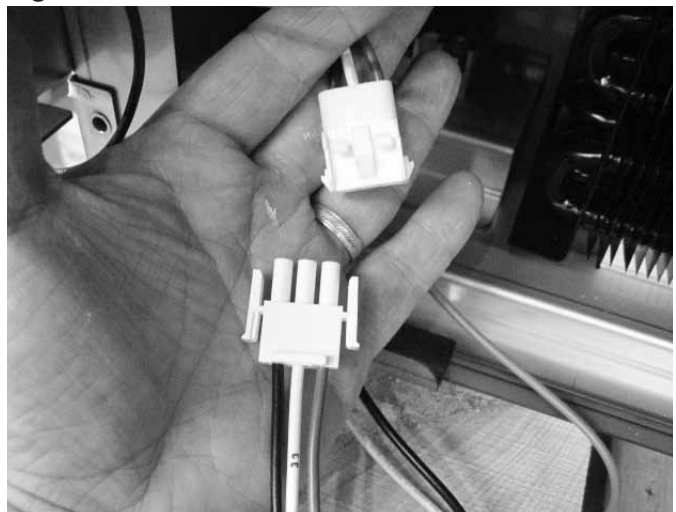
12. Remove the paper from the double-sided tape on the bottom of the bracket that holds the relay and adhere it to the base (Fig. 12).

Fig. 12



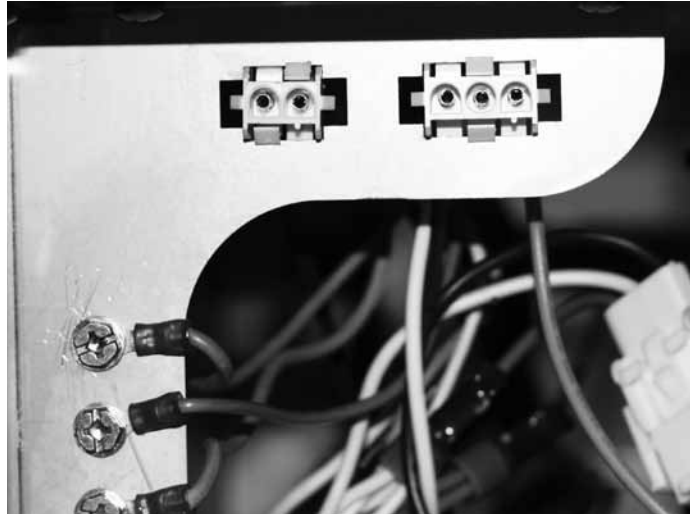
13. Connect the female connector that was removed from the gusset to the male connector from the "T" harness of the control relay assembly (Fig. 13).

Fig. 13



14. Install the female connector from the "T" harness from the control relay assembly into the right-most hole location on the gusset (**Fig. 14**).

Fig. 14



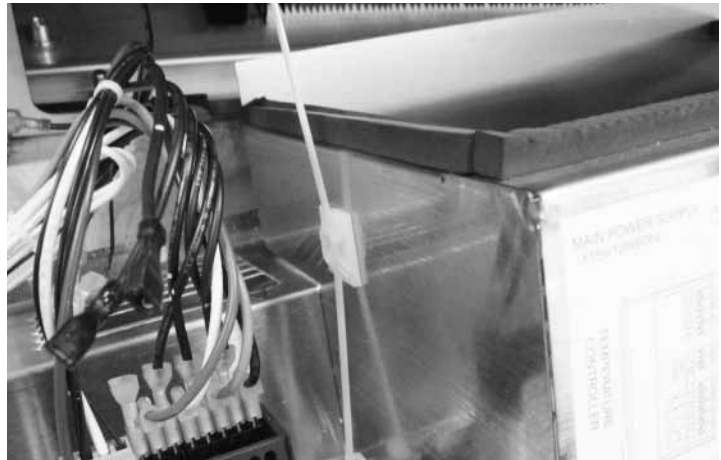
15. Coil the newly installed wires behind the bulkhead and wire tie them together (**Fig. 15**).

Fig. 15



16. Install (1) large tie wrap through the tie wrap base (**Fig. 16**).

Fig. 16



17. Coil the controller harness and secure it in position with the previously installed wire tie (**Fig. 17**).

Fig. 17



18. Connect the male connectors to the female connectors mounted in the gusset (**Fig. 18**).

Fig. 18



19. Cover the existing refrigerator wiring diagram label with the new (supplied) wiring diagram label (**Fig. 19**).

Fig. 19



20. Replace the front panel using the six screws from Step 1 (**Fig. 20**).



CAUTION!

Keep all wiring clear of the condenser.

Fig. 20



21. Plug in the power cord and move the refrigerator power switch to on.
22. Test operation.

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