



TRANSICOLD

TECHNICAL INSTRUCTIONS

MULTI-TEMP REMOTE EVAP DOOR SWITCH INTEGRATED UNDERMOUNT REMOTE CONTROL BOX (CTD P/N 76-50089-01)

KIT CONTENTS

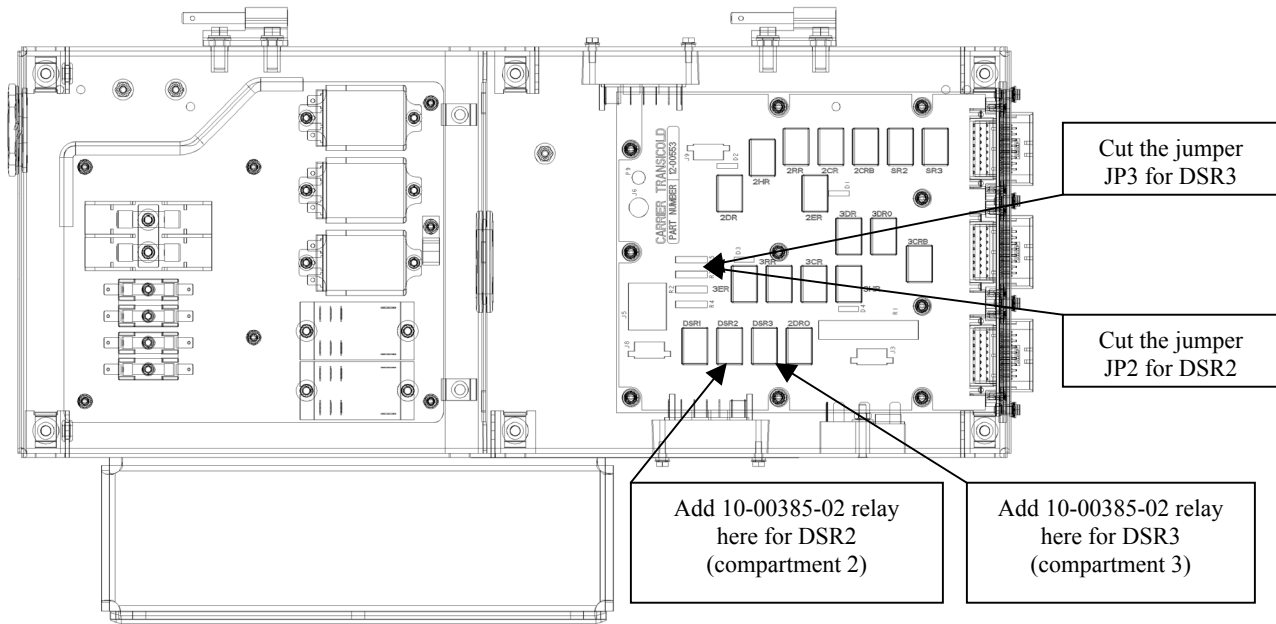
Qty	Part description	Part number
1	Relay	10-00385-02
1	Magnet	12-00419-03
1	Switch, magnetic	12-00419-04
2	Deutsch pins	22-01613-15
6	Butt splice	22-01292-02
6	Tube, heat shrink	22-01327-02
1	Solder sleeve	22-02811-00
1	Wire w/ring terminal	22-02812-00
1	Label, schematic	62-04059-00
1	Instructions	98-50181-00
*75 ft.	2 conductor wire (75 ft)	22-01443-00

**May be required but not included in kit*

INSTRUCTIONS

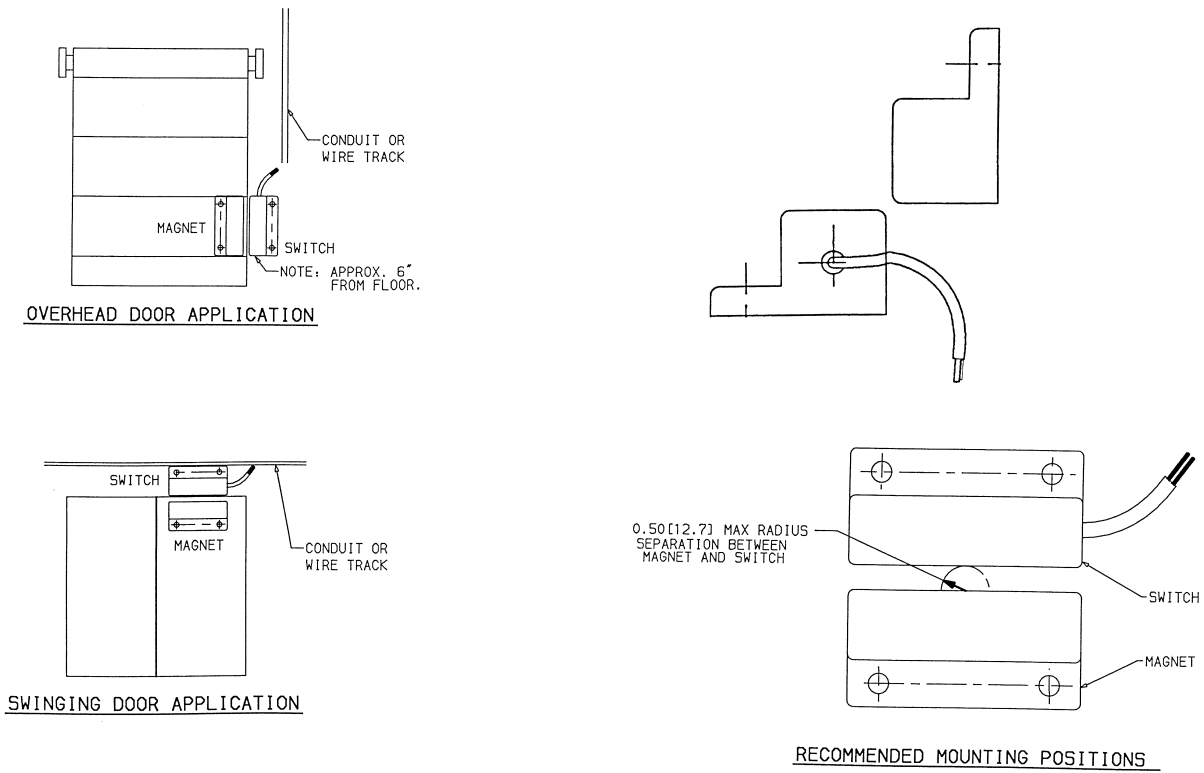
Note: This kit is designed to be used on Multi-Temp units equipped with the integrated undermount remote control box for use with remote compartment shut down door switch.

1. Install the relay in the control box (see Fig-1).
2. Remove the appropriate jumper JP2 or JP3 (see Fig-1).
3. Mount the door switch assembly (see Fig-2).
4. Route the door switch wires to the remote evaporator associated with the door switch or connect to pre-wired door switch trailer wires (see Fig-3).
5. Route the door switch wires into the remote evaporator; use the Deutsch pins P/N 22-01613-15 (included in kit) to terminate the wires. Insert these terminated wires into the Deutsch connector pin locations 7 & 13. These pins require a special crimping tool, P/N 07-00397-02, available from RCG (see Bulletin SER01-03).
6. See schematic (Fig-4) for correct wiring information.

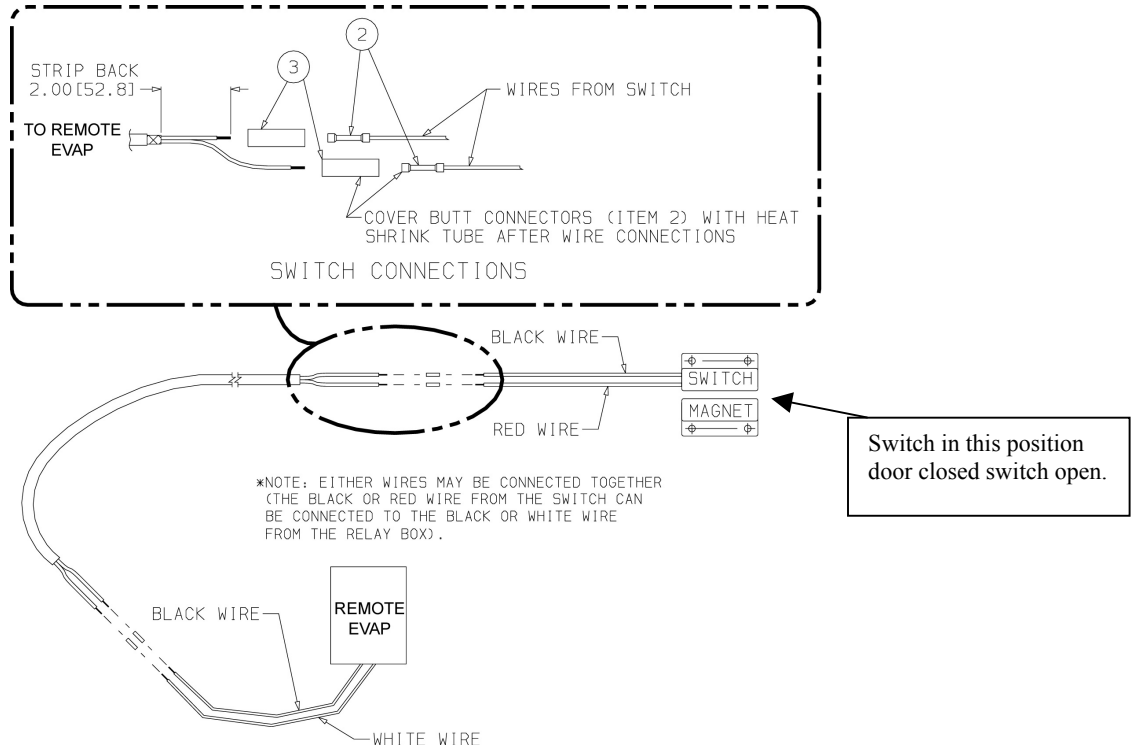


(Figure-1)

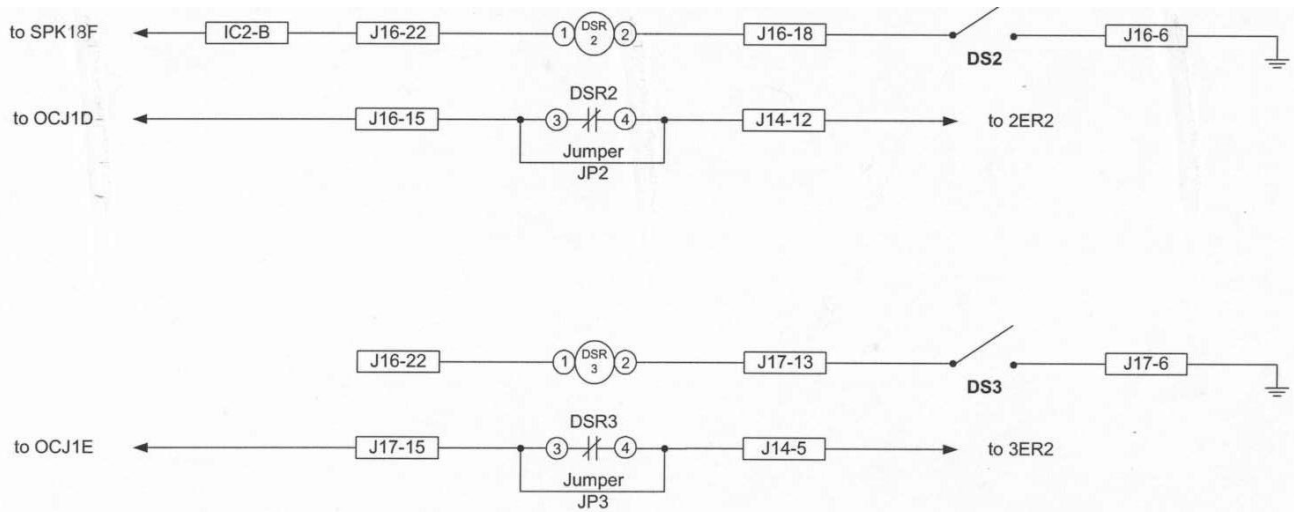
Attach door switch and magnet (included in kit) to trailer door and trailer wall with self-drilling screws, allowing a maximum 0.50" gap between switch and magnet.



(Figure-2)



(Figure-3)



(Figure-4)

The following instructions should be used for installation of the solder sleeve included in this kit. The solder sleeve is used for grounding the door switch cable shield used in the door switch installation, it is not required but recommended for protection of the microprocessor.

Locate, cut and strip back 2 inches of the outer cable insulation, being careful not to cut into the wire braid (see figure-1)



Figure-1

Twist the outer braid to form a wire (see figure-2).



Figure-2

Cut the wire braid back to leave 3/8" of braid at the base of the white cable outer insulation (see figure-3).

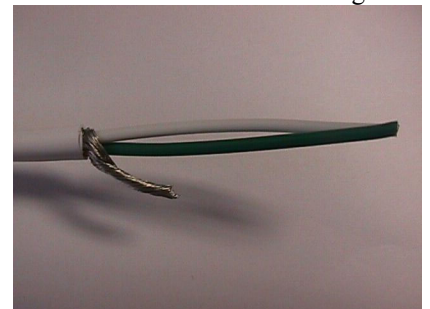


Figure-3

Install the solder sleeve over the stripped end of the cable; make sure the solder ring in the center of the solder sleeve is in contact with the wire braid shield (see figure-4).

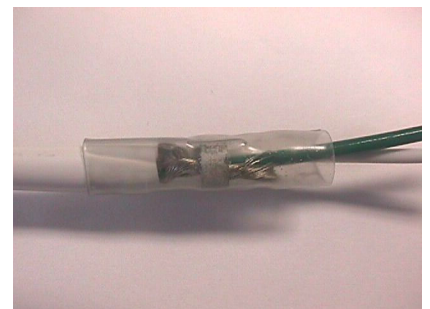


Figure-4

Insert the soldered end of the 18ga black wire into the solder sleeve making sure the soldered end of the wire is under the solder ring in the center of the solder sleeve (see figure-5).

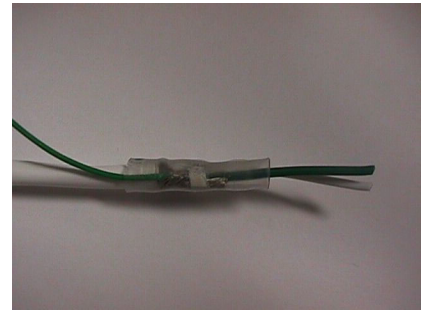


Figure-5

Apply heat (hot air) to the solder sleeve using a heat gun. Continue the application of heat to the entire circumference of the solder sleeve until the solder ring melts and flows into the cable ground shield and the black wire lead.

Note: When properly heated, the plastic casing of the solder sleeve will shrink around the wires to form a seal.

Caution: Do not use a flame to heat the solder sleeve.