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## DOOR SWITCH INSTALLATION PROCEDURE:

PROCEDURES FOR SINGLE TEMP UNITS AND MULTI-TEMP HOST UNITS

- 1.0 INSTALL DOOR SWITCH AND MAGNET ON TRAILER DOORS USING APPLICATION INFORMATION (REFERENCE SHEET 2).
- 2.0 ROUTE WIRE (ITEM 11) BETWEEN THE DOOR SWITCH AND THE MICROPROCESSOR CONTROL BOX ON THE UNIT. ROUTE THE WIRES INSIDE THE CONTROL BOX BY LOOSENING THE HEYCO CONNECTOR IN THE FRONT OF THE BOX; FEEDING THE WIRES THROUGH AND RETIGHTENING THE CONNECTOR. MAKE SURE THAT THESE WIRES CANNOT CHAFF ON ANY SHARP EDGES. CLAMP CABLE ASSEMBLIES IN PLACE AS REQUIRED. BUTT SPLICE THE DOOR SWITCH TO THE WIRES (SEE SWITCH CONNECTION DIAGRAM). APPLY GENTLE HEAT TO THE BUTT SPLICE CONNECTORS TO MELT THE HEAT SHRINK TUBING TO FORM A WATER TIGHT SPLICE. WATER TIGHT SEAL.
- 3.0 LOCATE THE GREY MULTI-CONDUCTOR CABLE FROM THE CAB COMMAND WHERE IT ENTERS
  THE CONTROL BOX. NEAR THIS POINT, THERE WILL BE A SET OF PUSH-ON TERMINALS
  THAT CONNECT THE RCR8S-RC WIRE TO THE RED WIRE OF THE CAB COMMAND; DISCONNECT
- 4.0 PUSH THE RELAY BASE ONTO THE RELAY AND MOUNT IT IN A CONVENIENT POINT INSIDE THE BOX. BAND WRAPPING IT TO THE MAIN HARNESS IS ACCEPTABLE AS LONG AS IT IS SECURE AND DOES NOT RUB OR CHAFF ON COMPONENTS OR SHARP EDGES.
- 5.0 PLUG THE DSR30-RCR85 WIRE FROM THE DOOR SWITCH RELAY INTO THE RCR85-RC WIRE
- 6.0 PLUG THE DSR 87a-RC WIRE FROM THE DOOR SWITCH RELAY INTO THE RED WIRE FROM THE CAB COMMAND (REF. STEP 3.0).
- 7.0 BUTT SPLICE THE DSR85-D5A WIRE FROM THE DOOR SWITCH RELAY TO EITHER WIRE OF THE DOOR SWITCH. BUTT SPLICE THE DSB-GRD WIRE TO THE REMAINING WIRE OF THE DOOR SWITCH.
- 8.0 CONNECT THE RING TERMINAL END OF THE DSB-GRD WIRE TO THE GROUND STUD INSIDE THE CONTROL BOX.
- 9.0 REMOVE THE RCR30-RS3 WIRE FROM PIN 3 OF THE RUN/STOP SWITCH. PUSH IT ONTO THE PIGGYBACK TERMINAL OF THE RS-DSR86 WIRE FROM THE DOOR SWITCH RELAY, THEN PUSH THE WHOLE PIGGYBACK TERMINAL ASSEMBLY BACK ONTO PIN 3 OF THE RUN/STOP SWITCH.

## DOOR SWITCH INSTALLATION PROCEDURE:

PROCEDURES FOR MULTI-TEMP REMOTE EVAPS (M70 UNITS ONLY)

- 1.0 INSTALL DOOR SWITCH AND MAGNET ON TRAILER DOORS USING APPLICATION INFORMATION. (REFERENCE SHEET 2).
- 2.0 ROUTE WIRE (ITEM 11) BETWEEN THE DOOR SWITCH AND THE REMOTE EVAP AUXILIARY CONTROL BOX ON THE UNIT. MAKE SURE THAT THESE WIRES CANNOT CHAFF ON ANY SHARP EDGES. CLAMP CABLE ASSEMBLIES IN PLACE AS REQUIRED. BUTT SPLICE THE DOOR SWITCH TO THE WIRES (SEE SWITCH CONNECTION DIAGRAM). APPLY GENTLE HEAT TO THE BUTT SPLICE CONNECTORS TO MELT THE HEAT SHRINK TUBING TO FORM A
- 3.0 REMOVE THE AUXILIARY CONTROL BOX DOOR AND LOCATE THE ON/OFF SWITCH. REMOVE THE WIRE FROM PIN 1 OF THE "2ST" SWITCH AND CONNECT IT TO THE DSR87a-RC WIRE FROM THE DOOR SWITCH RELAY.
- 4.0 PUSH THE RELAY BASE ONTO THE RELAY AND MOUNT IT IN A CONVENIENT POINT INSIDE THE BOX. BAND WRAPPING IT TO THE MAIN HARNESS IS ACCEPTABLE AS LONG AS IT IS SECURE AND DOES NOT RUB OR CHAFF ON COMPONENTS OR SHARP EDGES.
- 5.0 PLUG THE DSR30-RCR85 WIRE ONTO THE PIGGYBACK TERMINAL OF THE RS-DSR86 WIRE FROM THE DOOR SWITCH RELAY. PUSH THE WHOLE PIGGYBACK TERMINAL ASSEMBLY BACK ONTO PIN 1 OF THE "2ST" SWITCH.
- 6.0 BUTT SPLICE THE DSR85-D5A WIRE FROM THE DOOR SWITCH RELAY TO EITHER WIRE OF THE DOOR SWITCH. BUTT SPLICE THE DSB-GRD WIRE TO THE REMAINING WIRE OF THE DOOR SWITCH.
- 7.0 CONNECT THE RING TERMINAL END OF THE DSB-GRD WIRE TO THE GROUND STUD INSIDE THE CONTROL BOX.

INSTALLATION KIT 76-00703-XX						
1	10-00286-02	SPDT N.C. W/DIODE RELAY	1			
2	22-01292-02	BUTT SPLICE, NON INSUL 14-16GA	5			
3	22-01327-02	TUBING, HEAT SHRINK	5			
4	58-00033-00	BAG, 8 X 12	1			
5	98-02306-00	INSTALLATION INSTRUCTIONS	1			
6	62-10343-00	LAMINATED SCHEMATIC	1			
7	22-02720-00	HARNESS	1			
8	22-02720-01	WIRE	1			
9	12-00419-04	SWITCH, MAGNETIC	1			
10	12-00419-03	MAGNET, MAGNETIC	1			
11	22-01443-00	CABLE - 2 COND SHIELDED 16GA	60′			
12	64-01147-00	CARTON	1			
13	34-06109-08	SCREW, TF HX HD	4			
ITEM	PART NO.	DESCRIPTION	QTY			

SHEET	REV	А	А
INDEX	SHEET	1	2

A	UPDT SHT INDEX; UPDT KIT BOM; SEE SHT 2 FOR FURTHER REVS			DJD	04/26/05			
_	INITIAL RELEASE PER NPR728044GN			MGC	12/07/98 SUPERSEDES	TITLE	INSTALLATION INSTRUCTIONS	DRAWING NO. REV 98-02306 A
SY	REVISION RECORD	ENGRG.	DATE APPLICATION DATE	DRAWN BY	DATE	-	DOOR SWITCH FOR SUPRA MICRO AND SUPRA M70	SHT 1 OF 2

PRINT DISTRIBUTION	80
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