REMOTE SWITCH INSTALLATION PROCEDURE

NOTE: INSTALLATION OF THIS REMOTE SWITCH KIT REQUIRES A 3/8" DIA HOLE TO BE DRILLED THROUGH THE NOSE OF THE TRAILER. THE TRAILER MANUFACTURER AND/OR CUSTOMER SHOULD BE CONSULTED PRIOR TO INSTALLATION FOR EXPLICIT INSTRUCTIONS ON THIS PROCEDURE TO AVOID AFFECTING THE TRAILER MANUFACTURER'S WARRANTY. THE CABLE MAY BE ROLLED INTO THE TRAILER THROUGH THE EVAPORATOR PDS. HOWEVER, THIS WILL MAKE IT NECESSARY TO DISMOUNT THE ENTIRE CABLE INSIDE THE TRAILER SHOULDER THE UNIT EVER NEED TO BE REMOVED.

1.0 INSTALL DOOR SWITCH AND MAGNET ON TRAILER DOORS (OR OTHER TYPE OF SWITCH).

2.0 CONNECT THE CABLE (ITEM 20) TO THE SWITCH USING SPLICE PROVIDED (ITEM 10). SHRINK THE INSULATION USING A HEAT GUN TO MAKE A SEALED CONNECTION. ROUTE THE CABLE FROM THE SWITCH TO THE 10-WAY CONNECTOR LOCATED NEAR THE CONTROL BOX ON THE UNIT. THIS WIRED NEED TO USE USING A 3/8" DIA HOLE IN THE FRONT WALL, PREVIOUSLY LOCATED IN THE AREA BEHIND THE CONTROL BOX, TO PASS THE CABLE THROUGH (SEE NOTE ABOVE) SO THAT THE EXCESS IS HANGING INSIDE THE FRONT OF THE TRAILER. USE SILICONE CORK OR SIMILAR MATERIAL TO STABILIZE THE CABLE THROUGH THE WALL AND TO SEAL THE WALL AGAINST MOISTURE INTRUSION.

3.0 UNIT HARNESS CONNECTIONS.

3.1 TO CONNECT SWITCH AS "DOOR SWITCH", LOCATE THE 2-WAY CONNECTOR, TIED TO THE MAIN WIRE HARNESS UNDER THE ENGINE, WITH WIRE LABELS "DS A" AND "DS B". REMOVE THE MATING PLUG, REMOVE THE WIRE LOCK FROM THE PLUG AND DISCARD THE CAVITY PLUGS. INSERT THE TWO WIRES (ITEM 18) INTO THE CAVITIES, BE SURE THAT THE PINS ARE ORIENTED CORRECTLY SO AS NOT TO DAMAGE THEM. YOU SHOULD FEEL/HEAR THEM CLICK INTO PLACE WHEN THEY ARE CORRECT. REPLACE THE WIRE LOCK AND PLUG INTO THE CONNECTOR.

3.2 TO CONNECT THE SWITCH AS A "REMOTE SWITCH" (ITEM 19 OR REMS), LOCATE THE 10-WAY CONNECTOR UNDER THE ENGINE, TIED TO THE MAIN WIRE HARNESS. REMOVE THE WIRE LOCK FROM THE PLUG AND DISCARD THE CAVITY PLUGS FROM THE APPROPRIATE CAVITIES ACCORDING TO THE CHART BELOW. INSERT THE TWO WIRES (ITEM 17) INTO THE NEW EMPTY CAVITIES OF THE MAIN PLUG. BE SURE THAT THE PINS ARE ORIENTED CORRECTLY SO AS NOT TO DAMAGE THEM. YOU SHOULD FEEL/HEAR THEM CLICK INTO PLACE WHEN THEY ARE CORRECT. REPLACE THE WIRE LOCK AND PLUG INTO THE CONNECTOR.

4.0 CUT OFF EXCESS CABLE, THEN CAREFULLY STRIP BACK THE WHITE JACKET ABOUT 2". CAREFULLY TRIM OFF BRAID LEAVING ABOUT 0.25" EXPOSED. THEN USING SOLD Battery SLEEVE TERMINAL (ITEM 21) ATTACH BATTERY WITH HEAT GUN. APPLY HEAT UNTIL SOLDER RUNS INSIDE SLEEVE MELTS AND FUSES WIRE AND HIDE. USE THE SPLICE (ITEM 10) TO CONNECT THE FUSE HOLDER (ITEM 20) TO ONE OF THE CABLE WIRES. THEN USE THE REMAINING 2 SPLICES (ITEM 10) TO CONNECT THE SWITCH WIRES NOW INSERTED INTO THE MATING 10-WAY OR 10-WAY PLUG, ONE TO THE OTHER END OF THE FUSE HOLDER AND ONE TO THE OTHER CABLE WIRE. IT IS IMPORTANT WHICH WIRES ARE CONNECTED TO THE FUSE HOLDER, FOR DOOR SWITCH CONNECT TO DS-A, FOR REMOTE SWITCH REMS OR REMS-10. SHRINK THE INSULATION USING A HEAT GUN.

NOTE: FOR MORE DETAILED INSTRUCTION ON INSTALLATION OF "SOLDER SLEEVE" SEE TECHNICAL INSTRUCTION 99-50179-00. THIS INSTRUCTION IS AVAILABLE ON THE CTD TRUCK/TRACTOR REFERENCE LIBRARY.

5.0 ADVANCE REMOTE SWITCH SETTINGS:

DOOR AND/OR REMOTE SWITCHES MUST BE ENABLED IN THE MICRO CONFIGURATION LIST. (SEE SERVICE MANUAL). CHANGE THE APPROPRIATE CONFIGURATION FROM "NOT INSTALLED" TO "DOOR OPEN SWITCH ON"

REMOTE DOOR SWITCH

98-02344-01

INSTALLATION INSTRUCTIONS
REMOTE SENSOR/SWITCH KIT (ADVANCED)
NOTE: INSTALLATION OF THIS REMOTE SENSOR KIT REQUIRES A 3/8" DIA HOLE TO BE DRILLED THROUGH THE NOSE OF THE TRAILER. THE TRAILER MANUFACTURER AND/OR CUSTOMER SHOULD BE CONSULTED PRIOR TO INSTALLATION FOR EXPLICIT INSTRUCTIONS ON THIS PROCEDURE TO AVOID AFFECTING THE TRAILER MANUFACTURER'S WARRANTY. THE CABLE MAY BE ROUTED INTO THE TRAILER THROUGH THE EVAPORATOR POD, HOWEVER, THIS WILL MAKE IT NECESSARY TO DISMANT THE ENTIRE CABLE INSIDE THE TRAILER SHOULD THE UNIT EVER NEED TO BE REMOVED.

1. LOCATE THE SENSOR INSIDE OF TRAILER ACCORDING TO CUSTOMER SPECIFICATIONS.


5. CUT OFF EXCESS CABLE, THEN CAREFULLY STRIP BACK THE WHITE JACKET ABOUT 2" CAREFULLY STRIP THE BRAID LEAVING ABOUT 0.25" EXPOSED. THEN USING SOLDER SLEEVE TERMINAL (ITEM 70) ATTACH GROUND WIRE (ITEM 73) TO EXPOSED BRAID. APPLY HEAT UNTIL SOLDER RING INSIDE SLEEVE MELTS AND ATTACH WIRE AND SHIELD. USE THE BUTT SPLICE (ITEM 10) TO CONNECT THE SENSOR CABLE TO THE REMOTE PROBE CABLE CONNECTOR. IT IS NOT IMPORTANT WHICH WIRES ARE CONNECTED TOGETHER. SHRINK THE TUBING USING A HEAT GUN. ATTACH RING TERMINAL TO GROUND STUD ON FRAME.

6. USE WIRE TIES (ITEM 55) PROVIDED TO TIE EXCESS CABLE OUT OF THE WAY AT THE SENSOR AND AT THE UNIT.

7. ADVANCE REMOTE PROBE SETTINGS:
REMOTE SENSORS MUST BE ENABLED IN THE MICROCONFIGURATION LIST (SEE SERVICE MANUAL). CHAGE THE APPROPRIATE REMSN FROM "OFF" TO "INSTALLED".

8. DATA LOGGER CONFIGURATION:
REMOTE SENSORS MUST BE ENABLED IN DATA LOGGER TO RECORD ANY DATA (SEE SERVICE MANUAL). CHAGE THE APPROPRIATE REMSN FROM "OFF" TO "AVERAGE" OR "SNAPSHOT".