INSTRUCTIONS FOR ICR DISPLAY REPLACEMENT KIT - C07229

These instructions are to be used for updating the CFN Island Card Reader (ICR) from the 3-board set to the new 2-board set.

Parts being replaced:

PART	QTY	DESCRIPTION
C05442	1	Display, 1 line by 20 character with E/L backlight
C05455	1	I/F PCB
C04942	1	I/F PCB
C05486	1	Ribbon cable
C33996	1	Display upper mounting bracket

Parts being installed with C07229 kit:

PART	QTY	DESCRIPTION
C07506	1	Display, 2 line by 20 character with LED backlight
C06370	1	Interface PCB
C05486	1	Ribbon cable (longer version)
C35976	1	Display upper mounting bracket (new version)
C01466	4	Screw, 4-4- x 7/8
C03473	4	Nut, 4-40
C08759	2	Screw, 6-32 x 3/8
C02518	1	Card Guide
C08146	2	Washer
C06426	1	Programmed IC

DISASSEMBLY

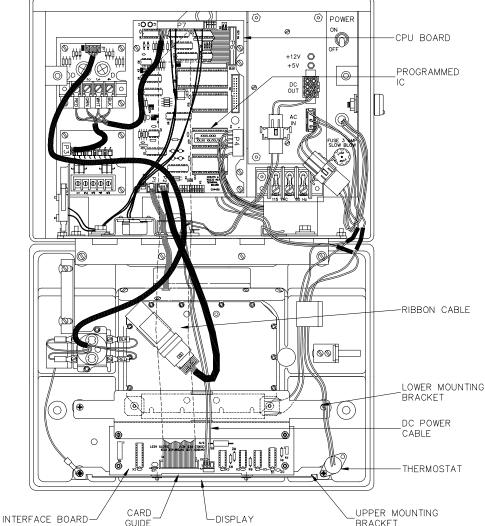*Refer to the drawing at right for assistance in locating components.*

1. Open the door of the ICR and turn off the power switch.

2. Remove the LC display interface board from the LCD interface board. Disconnect the DC power cable from connector P2 of the LC display interface board.

3. Remove and discard the display ribbon cable from connector P6 of the reader CPU board.

4. Remove the screw, washer, and spacer securing the thermostat and upper mounting bracket to the door. The screw, washer, and spacer may be discarded.

5. Remove the screws securing the lower mounting bracket to the door. Retain the screws for later use.

6. Remove the screws, nuts, and spacers securing the display and interface board to the lower mounting bracket. Discard the screws, nuts, and spacers.

ASSEMBLY

1. Attach the C02518 card guide to the C35976 upper mounting bracket. The guide snaps into the holes in the bracket. Be sure to install the guide so that the card slot is on the correct side of the bracket, as shown in the drawing. Push the C08146 washers on to the card guide mounting posts, to hold the guide securely to the bracket.

2. Install the upper mounting bracket to the door using two c08759 screws from the kit, making sure that the guide slot faces the inside of the door assembly. Secure the thermostat to the door using the left screw in the upper mounting bracket, as shown in the drawing.

3. Secure the C07506 display to the C06370 interface board using two C01466 screws and C03473 nuts in the top two holes of the display/interface board assembly. Start the screw from the display so that when secured, the nuts rest on the top of the interface board.

4. Attach the display/interface board assembly to the lower mounting bracket using two C01466 screws and C03473 nuts.

INTERFACE BOARD — CARD GUIDE — DISPLAY — CPU BOARD — PROGRAMMED IC — RIBBON CABLE — LOWER MOUNTING BRACKET — DC POWER CABLE — THERMOSTAT — UPPER MOUNTING BRACKET

5. Attach the lower mounting bracket to the door using two C08759 screws. Make sure the interface board rests in the slot of the card guide in the upper mounting bracket.

6. Attach the new C05486 ribbon cable between connector P1 of the interface board and connector P6 of the ICR CPU board.

7. Attach the DC power cable to connector P4 of the interface board.

8. If you have a C05375 Reader CPU PCB with a **STAR-GATE** program chip on it, skip to Step 9 and DO NOT install the C06426 IC (ICR2 program).

   If you have a C05857 ICR2 CPU PCB assembly, remove the program IC (U13) and replace it with the C06426 programmed IC from the kit.

9. Turn on the power switch.

10. Using a small screwdriver, adjust the contrast by turning the potentiometer located on the display. You can access the potentiometer through the **LCD ADJUST** hole in the Interface board. The display may function as a two-line display, or a one-line display, with data shown on the top line only, depending on the version of the CPU board software.

11. Close and lock the door.