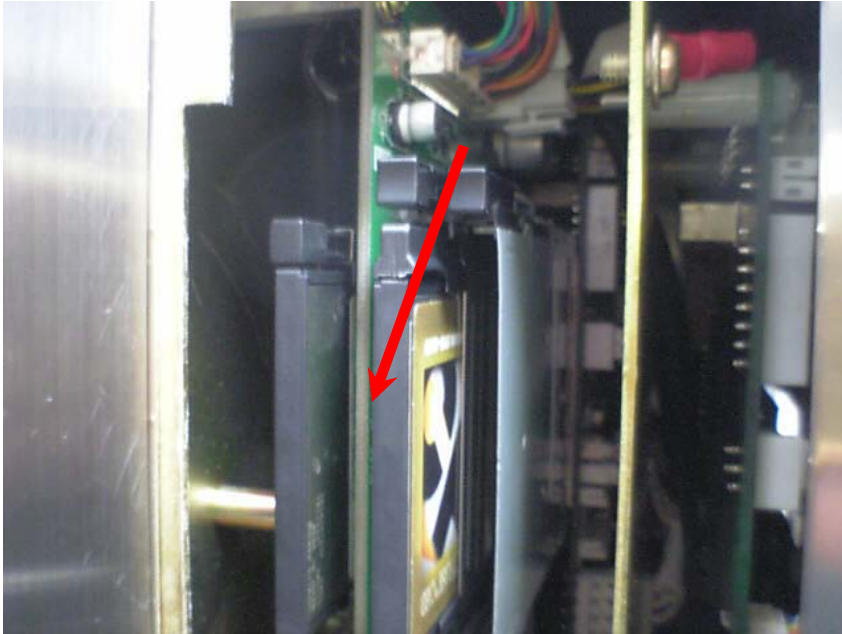


OMNi-4000 & WM-4000 All Data Backup in SRAM.BIN File

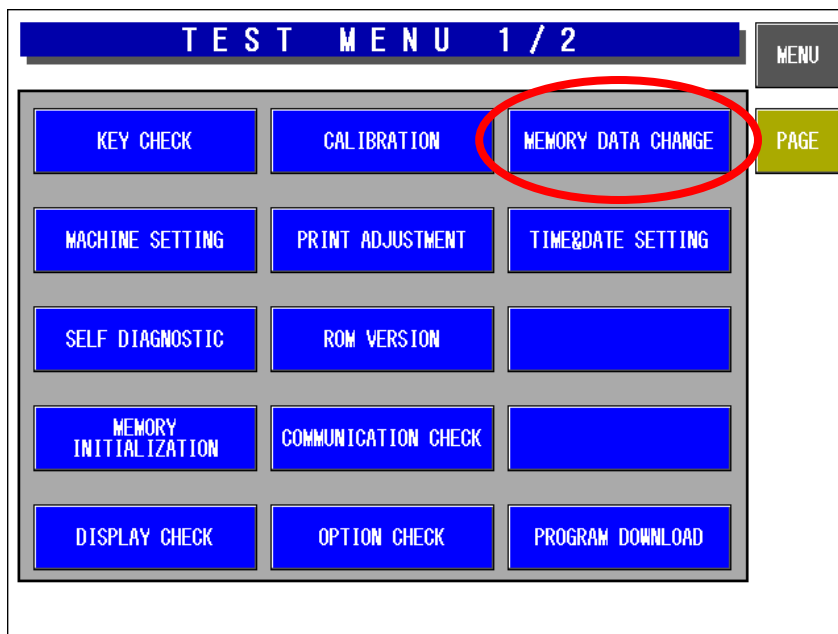
When replacing the P-910 main CPU board it is useful to copy all data settings – even those that are not normally saved during a standard backup. The SRAM.BIM file can also be used for analysis by Ishida and Rice Lake.

TO BACKUP ALL RAM DATA

1. Prepare a CF memory card with PCMCIA card adaptor.
2. Insert the CF card and adaptor in Slot 2, closest to firmware CF memory card.

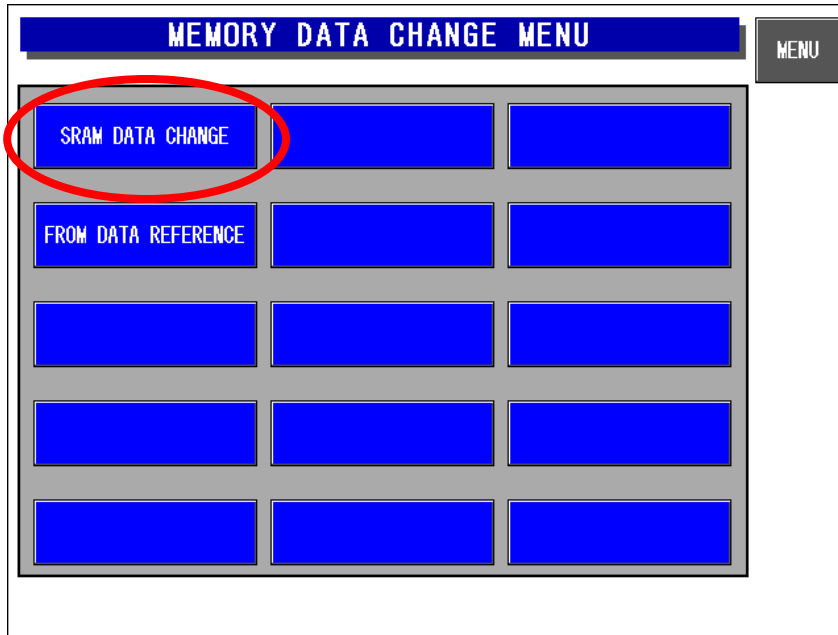


3. Power up the wrapper and enter the TEST menu, select [Memory Data Change]

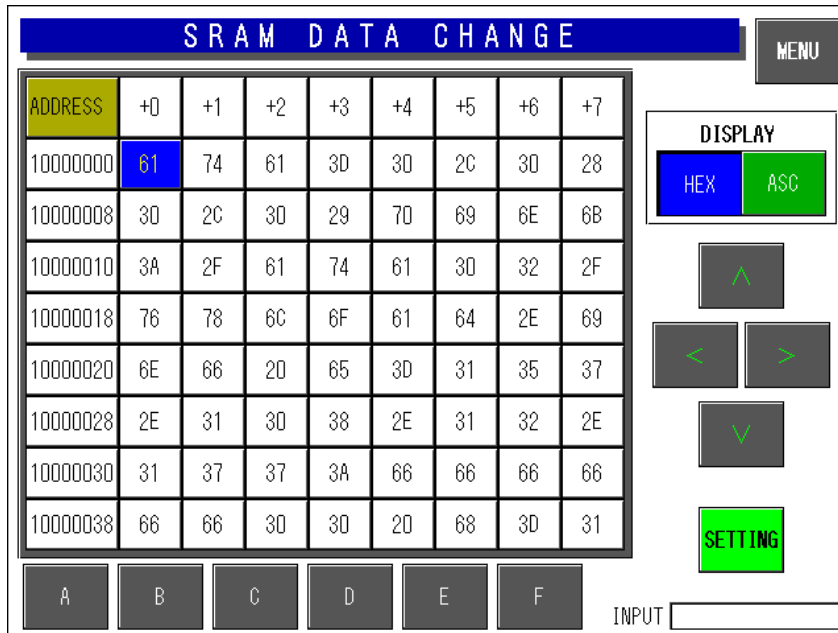


OMNi-4000 & WM-4000 All Data Backup in SRAM.BIN File

4. Select [SRAM Data Change]

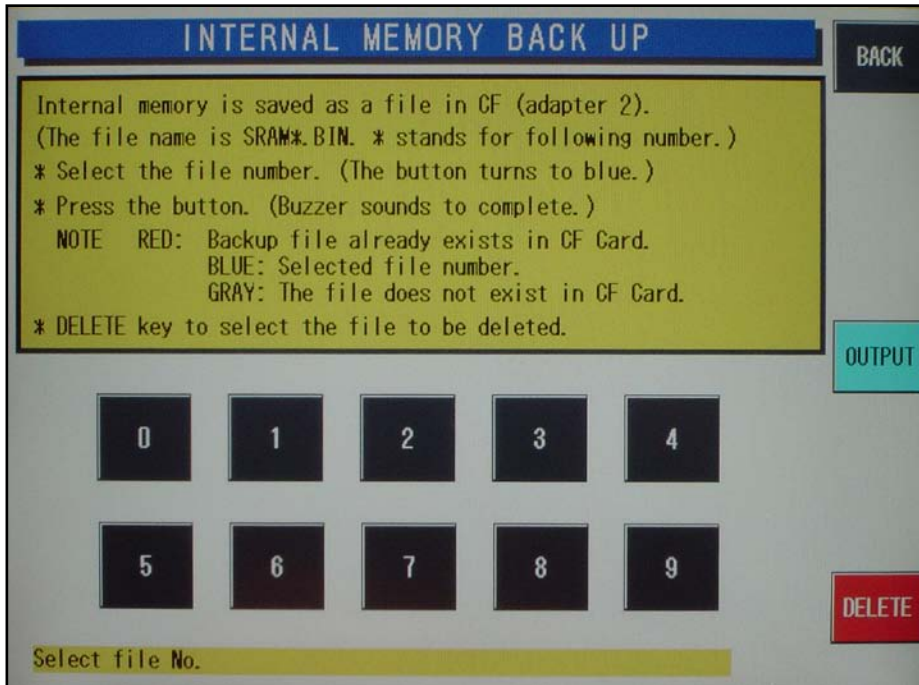


5. Key in [999] and press [PRINT]

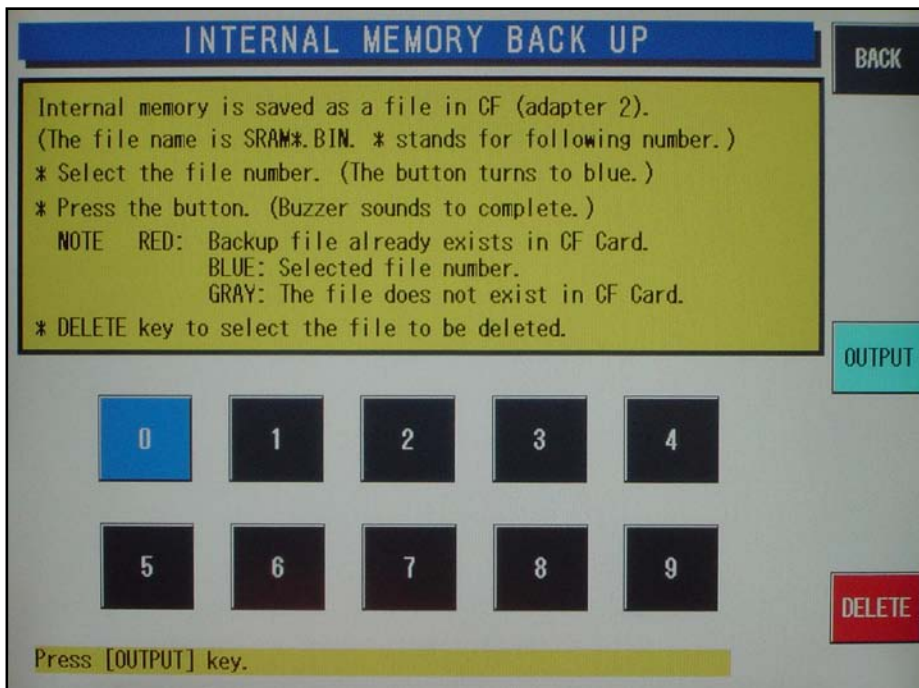


OMNi-4000 & WM-4000 All Data Backup in SRAM.BIN File

6. Display changes to "Internal Memory Back Up"



7. Press an unused (black) file number [0-9] then press [OUTPUT], then [EXECUTE].



8. The procedure takes more than one minute. A long beep sounds and the file number turns red.

9. When complete, exit the menus and power off. Remove the CF card and adaptor.

10. The "SRAMxx.BIN" file is 2048 Kb (2.048 Mb).

OMNi-4000 & WM-4000 All Data Backup in SRAM.BIN File

TO RESTORE ALL RAM DATA

1. Copy the "SRAMxx.BIN" file to be restored to the wrapper onto a CF memory card.
2. Follow steps 1 ~ 4 in the **TO BACKUP ALL RAM DATA** section above.
3. Key in [MMDD] and press [PRINT] where MMDD is the wrapper's current date.

Example: September 17 = 0917

SRAM DATA CHANGE

MENU

| ADDRESS | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 |
|----------|----|----|----|----|----|----|----|----|
| 10000000 | 61 | 74 | 61 | 3D | 3D | 2C | 3D | 28 |
| 10000008 | 3D | 2C | 3D | 29 | 7D | 69 | 6E | 6B |
| 10000010 | 3A | 2F | 61 | 74 | 61 | 3D | 32 | 2F |
| 10000018 | 76 | 78 | 6C | 6F | 61 | 64 | 2E | 69 |
| 10000020 | 6E | 66 | 2D | 65 | 3D | 31 | 35 | 37 |
| 10000028 | 2E | 31 | 3D | 38 | 2E | 31 | 32 | 2E |
| 10000030 | 31 | 37 | 37 | 3A | 66 | 66 | 66 | 66 |
| 10000038 | 66 | 66 | 3D | 3D | 2D | 68 | 3D | 31 |

DISPLAY

HEX
ASC

^

>

v

SETTING

A
B
C
D
E
F

INPUT

4. Display changes to "Internal Memory Back Up"

INTERNAL MEMORY BACK UP

BACK

Back up data in CF is input into internal memory.
 (The file name is SRAM*.BIN. * stands for following number.)
 * Select the file number. (The button turns to blue.)
 * Press the button. (Buzzer sounds to complete.)
 NOTE RED: Backup file already exists in CF Card.
 BLUE: Selected file number.
 GRAY: The file does not exist in CF Card.
 * DELETE key to select the file to be deleted.

0
1
2
3
4

5
6
7
8
9

INPUT
DELETE

Select file No.

OMNi-4000 & WM-4000 All Data Backup in SRAM.BIN File

5. Press an existing (red) file number [0-9] then press [INPUT].
6. The procedure takes more than one minute.
7. When complete, exit the menus and power off. Remove the CF card and adaptor.

NOTES

- The "SRAMxx.BIN" file from the OMNi-4000 cannot be restored to a WM-4000 and vice versa.