

S E R V I C E N O T E

SUPERSEDES: NONE

**HP 70100A MMS Power Meter
70100-60003 MPU Assembly**

Serial Numbers: 0000U00000 / 3603U00846

Modification to eliminate loose battery connections.

To Be Performed By: HP-Qualified Personnel

Parts Required:

HP P/N	Description	Quantity
8150-0449	Wire (Red)	35 mm
8150-0447	Wire (Black)	35 mm
1420-0338	Battery	1
0890-0312	Heat Shrink	10 mm

Situation:

There is a possibility that the battery on the MPU board can have an intermittent contact with the battery holder due to the leads of the holder getting spread. The result is that the battery backed up memory loses it's contents. The failure will be apparent since the serial number will be lost.

Continued

DATE: July 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: PN	ENTITY: E600	HP RESPONSIBLE UNTIL: July 1999	
		ADDITIONAL INFORMATION:	

Solution / Action:

Using the procedure included in Figure 1 and Figure 2, replace the battery with solder-in battery and solder the battery leads in the same holes as the battery holder. Once the battery is changed it will be necessary to re-enter the serial number. To re-enter the serial number follow the procedure in the Troubleshooting section of the Service Manual. The serial number should be entered in the format 1234U56789.

70100-60003 MPU & POWER BOARD BATTERY MODIFICATION

1. Cut wires (8150-0447 and 8150-0449) to approximately 35mm in length.
2. Strip both ends of the wires as required.
3. Wrap one end of the wires around and solder to the termination tabs of battery (1420-0338).

NOTE: Solder the black wire (8150-0447) to the negative termination tab of the battery and the red wire (8150-0449) to the positive termination tab.

4. Insulate battery termination tabs with Heatsink (0890-0312).
As shown in Figure 1 below.

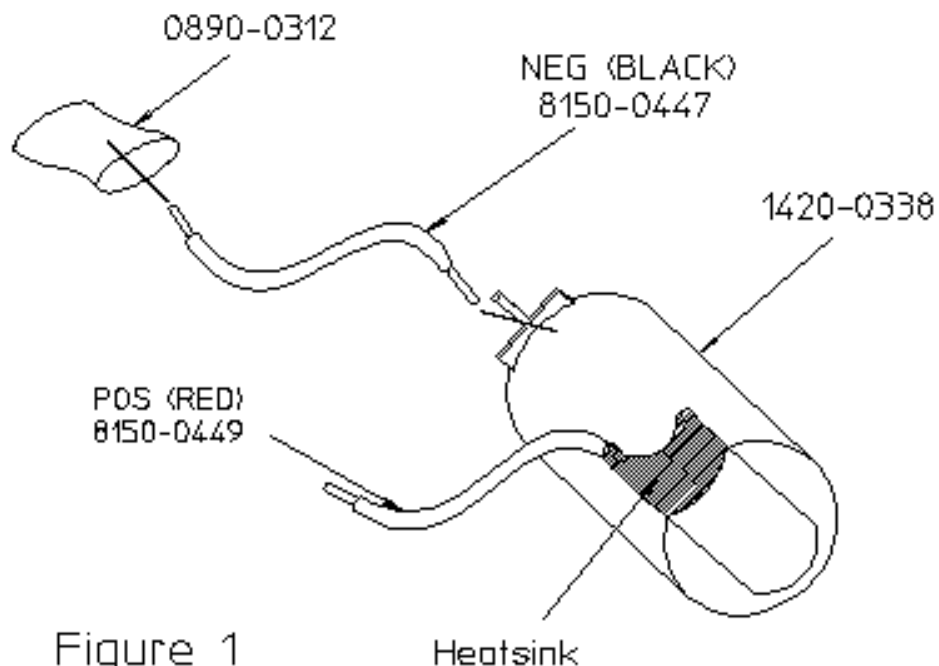


Figure 1

Heatsink

70100-60003 PCA BATTERY MODIFICATIONSTEPS

5. FIT BATTERY (1420-0338) INTO BATTERY HOLDER (1400-1465).

NOTE: ENSURE POSITIVE (+) AND NEGATIVE (-) TERMINATIONS ARE CORRECTLY ALIGNED.

6. SOLDER BATTERY HOLDER AND BATTERY TERMINATION WIRES TOGETHER INTO PC BOARD.

7. SECURE BATTERY IN THE HOLDER, WITH A TIE-WRAP AS SHOWN IN FIGURE 2.

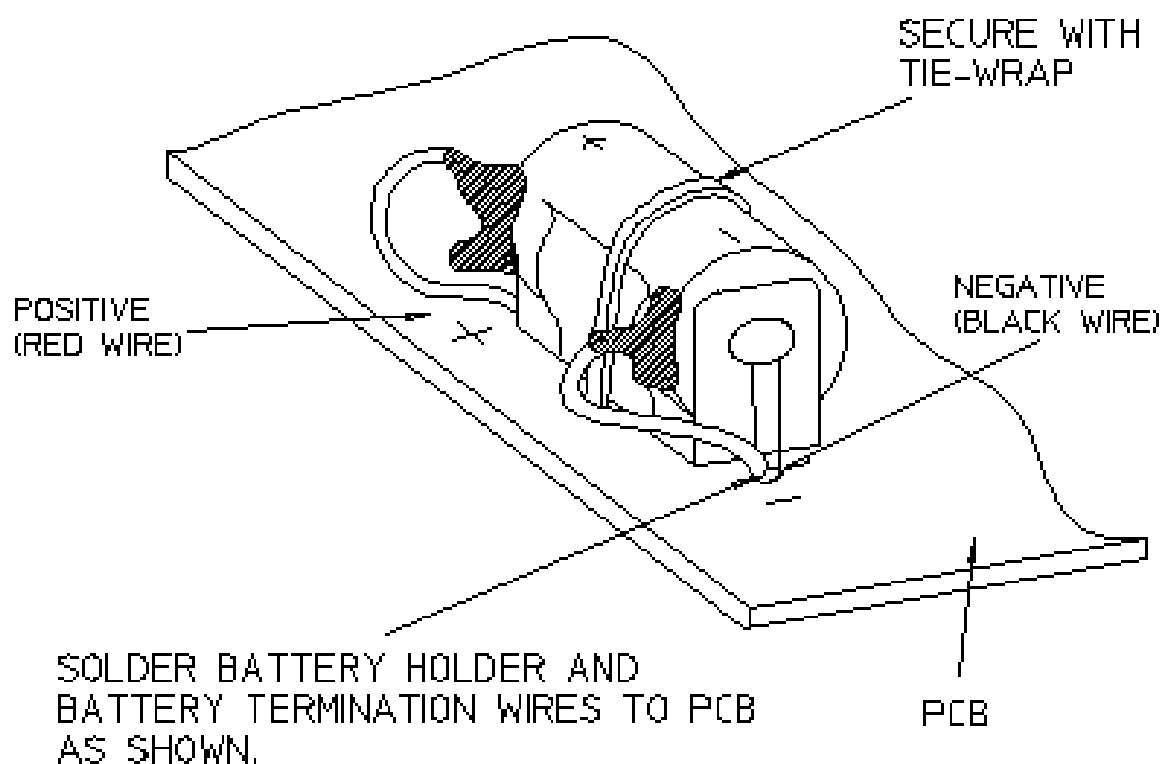


FIGURE 2