CHANGE/ERRATA INFORMATION

ISSUE NO: 1 10/80

This change/errata contains information necessary to ensure the accuracy of the following manual. Enter the corrections in the manual if either one of the these conditions exist:

1. The revision letter stamped on the indicated PCB is equal to or higher than that given with each change.

2. No revision letter is indicated at the beginning of each change.

MANUAL

Title: 8022A Digital Multimeter
Print Date: April 1979
Rev. and Date: -----

C/E PAGE EFFECTIVITY

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1	10/80
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4	10/80
5	10/80

ERRATA #1

On page 1-4, replace the Relative Humidity spec. with the following:

Relative Humidity:
0 to 90% from 0°C to 35°C except 0 to 80% from 0°C to 35°C on 2 Mohm, 20 Mohm, and 200 nS ranges; 0 to 70% from 35°C to 50°C.

On page 5-3:
CHANGE: USA SOURCE|457291|89536|457291|
TO: USA SOURCE|515510|89536|515510|

On page 5-4:
CHANGE: MP9|SHIELD|508101|89536|508101|1
TO: MP9|SHIELD|453845|89536|453845|1

CHANGE #1 - 12630
Rev.- A, A1 Main PCB Assy. (8022A-4050)
Documentation Change, does not affect the manual.

CHANGE #2 - 13121, 13175
Rev.- B, A1 Main PCB Assembly (8022A-4050)

On page 2-1:
CHANGE: 2-7. Battery Installation/Replacement
TO: 2-7. Battery or Fuse Installation/Replacement

On page 2-2:
Change the first line of the WARNING:
FROM: BATTERY REPLACEMENT SHOULD ONLY BE ...
TO: BATTERY OR FUSE REPLACEMENT SHOULD ONLY BE ...

Replace step 4 with the following:
4. Tilt the battery out as shown in Fig. 2-2.

Add step 4a as follows:
4a. If fuse F1 is to be replaced, use a pointed tool, such as a probe tip or small screwdriver to pry F1 from its holder. Replace the defective fuse with type AGX2 (or with metric type 171100-2).

On page 2-3, replace Figure 2-2 with Figure 1.

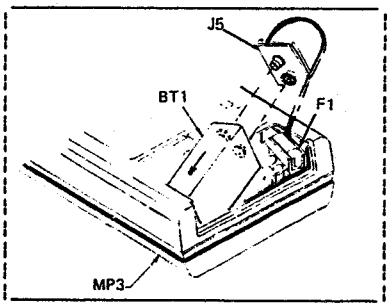


Figure 1.

On page 2-6, replace para. 2-18 with the following:

2-18. All ac and dc current ranges are fuse protected. Two series fuses are used: (1) F1, 2A @ 250V, replaceable at the battery compartment (see section 1 "Battery or Fuse Installation/Replacement") and in case of severe overload, (2) F2, 3A @ 600V, replaceable by removing the 8020A top cover (see section 4 "Fuse (F2) and Calibration Access").

NOTE

A pointed tool, such as a probe tip will be needed to pry either of the above mentioned fuses from their respective holders.

On page 4-2:

FROM: 4-9. CALIBRATION ACCESS
TO: 4-9. FUSE (F2) AND CALIBRATION ACCESS

FROM: 4-10. Use the following procedure to access the 8022A calibration adjustments.
TO: 4-10. Use the following procedure to access F2 and all 8022A calibration adjustments.

FROM: 6. All adjustments...
TO: 6. Fuse (F2), and all adjustments ...

On page 5-5, revise and add to figure 5-1 as shown in Figure 2.

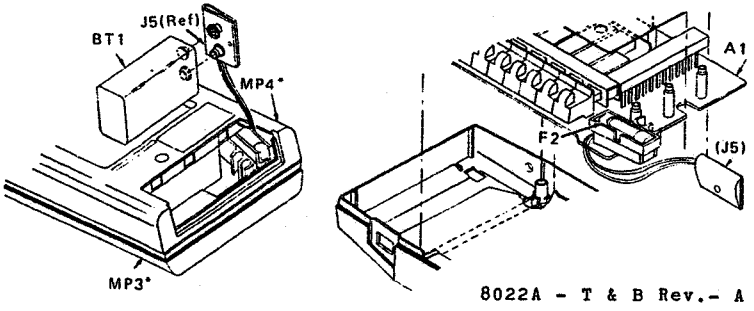


Figure 2.

On page 5-6:

ADD: F2|FUSE, 3 AMP/600V, TYPE BBS-3|475004|89536|475004|1

FROM: J5|CONTACT ASSEMBLY, BATTERY/FUSE|1
AMERICAN VERSION|453910|89536|453910|
METRIX VERSION|454413|89536|454413|

TO: J5|CONTACT ASSEMBLY|535278|89536|535278|1

On page 5-7:

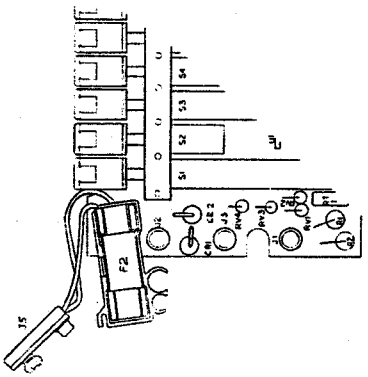
ADD:	MP7	FUSE, SPRING (NOT SHOWN)	535211	89536	535211	1
ADD:	MP7-1	FUSE, SPRING, EUROPEAN (NOT SHOWN)	535229	89536	535229	1
ADD:	MP8	FUSE CLIP	534925	89536	534925	1
ADD:	MP9	FUSE, CLIP	535203	89536	535203	1

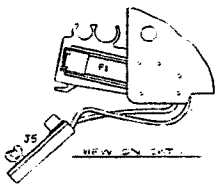
On page 5-8:

ADD:	XF2	FUSE CASE	540716	89536	540716	1

CHANGE:	U9	IC, LCD, 3 1/2 DIGITS	453100	89536	453100	1	1
TO:	U9	DISPLAY, LCD	504324	89536	504324	1

On page 5-9 & 7-4, revise and add to Fig. 5-2 & 7-1 as shown in Fig. 3.





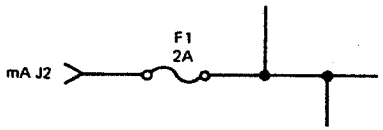
Delete all reference to;
MP3, J1, MP4, MP2, MP1,MP4,
PCB, H1 (2), U9, U8, XU8.

8022A - 1650 REV.- A

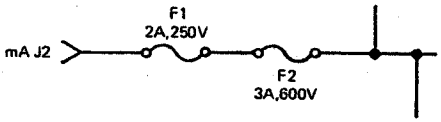
Figure 3.

On page 7-2:

FROM:



TO:



CHANGE #3 - 13780
Rev.- C, A1 Main PCB Assy. (8022A-4050)

On page 5-8:
CHANGE: U1|RESISTOR NETWORK (INPUT DIVIDER)|424085|89536|424085|1|1
TO: U1|RESISTOR NETWORK (INPUT DIVIDER)|508945|89536|508945|1|1

CHANGE #4 - 14135
Rev.- D, A1 Main PCB Assy. (8022A-4050)

On page 4-4:
FROM: 4-13. DISPLAY ACCESS
TO: 4-13. LCD ASSY. (WITH INTERCONNECT CABLE)

ADD: 4-14a. LCD ASSY. (WITHOUT INTERCONNECT CABLE)
4-14b. Refer to Figure 4-1a and the following procedure to remove/replace the LCD assembly.

1. Remove the Main PCB assembly using the COMPONENT/PCB access procedure.

2. Place your thumbs on either side of the display lens and carefully push the lens out of the LCD bracket.

3. Turning LCD bracket upside down gently tap into your palm, LCD should fall out.

NOTE
When installing the LCD make certain that its flat surface is facing out and its connector pattern is on top of and makes contact with, the flexible layered connector (requires loosening the LCD mounting bracket).

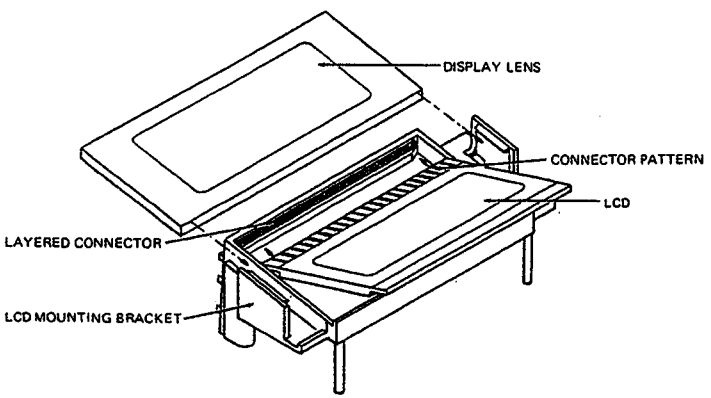


Figure 4-1a

On page 5-6, delete J1, and H1.

On page 5-8, delete U8, U9 and XU8.

Replace page 5-7 with the following:

LCD ASSY.- WITH INTERCONNECT CABLE,- (SEE DETAIL A)						
H1	SCREW, PHP 3/8, HI-LO THD/FORM	448456	89536	448456	2	
J1	CONNECTOR, ELASTOMERIC	453092	89536	453092	1	
MP1	BRACKET, DISPLAY (U9), MOUNTING	450734	89536	450734	1	
MP2	DISPLAY, INTERCONNECT	453746	89536	453746	1	
MP3	DISPLAY, LENS, PLASTIC	450759	89536	450759	1	
MP4	INSERT, RUBBER, DISPLAY BRACKET	453787	89536	453787	2	
U8	IC, MOS, A/D CONVERTER, DISPLAY DRIVER	429100	89536	429100	1	1
U9	IC, LCD, 3 1/2 DIGITS	504324	89536	504324	1	1
XU8	SOCKET, IC, 40-PIN	429282	89536	429282	1	

LCD ASSY. - WITHOUT INTERCONNECT CABLE,- (SEE DETAIL B)						
MP9	BRACKET, LCD MOUNTING	531657	89536	531657	1	
MP10	DISPLAY LENS	450759	89536	450759	1	
MP11	DISPLAY, LCD	504324	89536	504324	1	
MP12	BRACKET, LCD PLATE	531665	89536	531665	1	
MP13	CONNECTOR, LAYERED	520858	89536	520858	1	
H3	SCREW, PHP 3/8, HI-LO THD/FORM	448456	89536	448456	REF	

MP5 THROUGH RV1, NO CHANGE.

On page 5-5, revise and add to Figure 5-1 as shown in Figure 5.

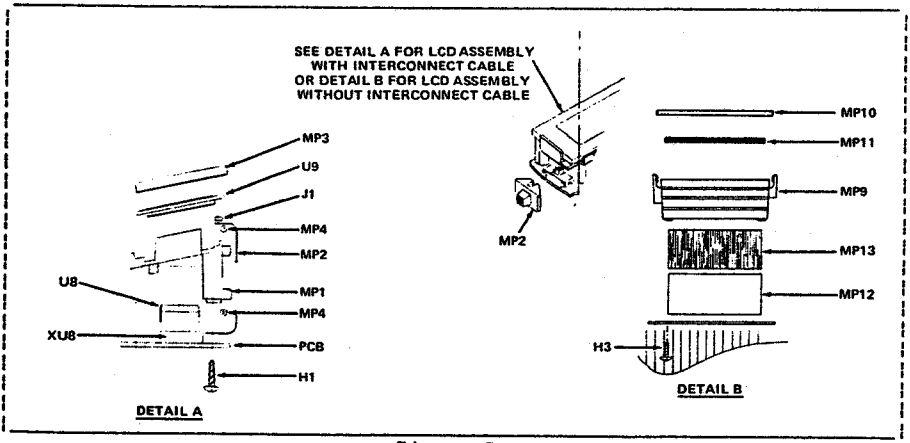


Figure 5.