

S E R V I C E N O T E

SUPERSEDES: E4419A-03

**EPM442A Power Meter
(Product Number E4419A)**

Serial Numbers:

GB36430134, GB36430137, GB36430355
 GB37170365/GB37170399,
 GB37480518/GB37170599
 GB37480600/GB37480822,

US37420101/US37420140
 US37480143/US37480444

In Line Fuse Holder Clips Defect.

Duplicate Service Notes: E4418A-02A

To Be Performed By: Agilent-Qualified Personnel

Situation:

As part of QMDs on-going quality monitoring checks it was discovered that a batch of line module had defective fuse holders. The nature of the defect may exhibited itself as an intermittent power supply.

Continued

DATE: March 1999

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 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL:	
AUTHOR: JW	ENTITY: E600	ADDITIONAL INFORMATION:	

The true fault is that one of the fingers of the fuse holder (the right hand upper fuse clip as viewed from the rear) has been formed incorrectly thus providing an intermittent contact. This has been traced to units within a certain batch code. These fuse clips need to be repaired.

Solution / Action:

- 1) Remove the Fuse Box using a flat Blade screwdriver (See Figure 1)

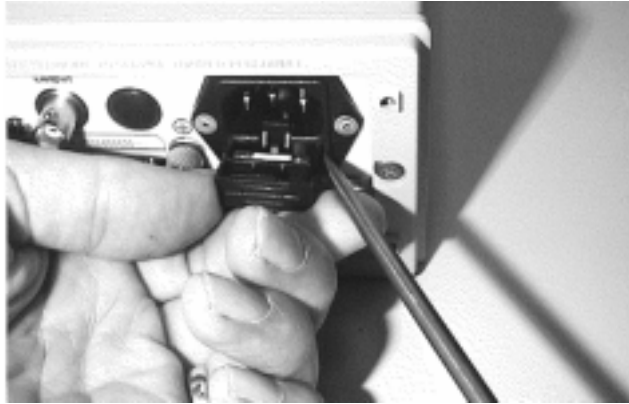


Figure 1

- 2) Inspect the Fuse clips.
- 3) If the Fuse Clips are as per figure 2 then proceed to step 9.



Figure 2

- 4) If the Fuse Clips are as per figure 3 then check for signs of arcing on the clip.



Figure 3

- 5) If there is any evidence of arcing then proceed to step 8.
- 6) If there is no evidence of arcing then bend the fuse clip into the correct position (i.e. level with the left hand clip) using a Flat Blade screw as shown in figure 4. Proceed to step 7.

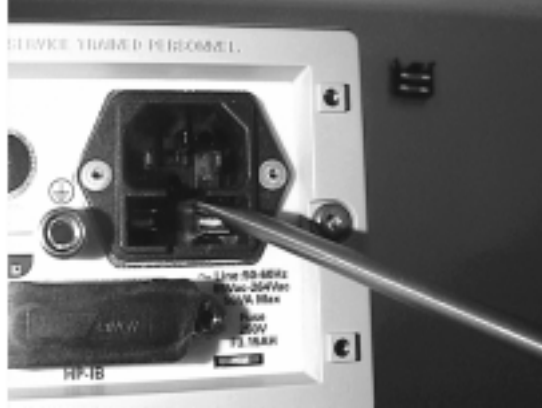


Figure 4

- 7) Ensure the fuse holder clip has not been bent too far (as per Figure 5).

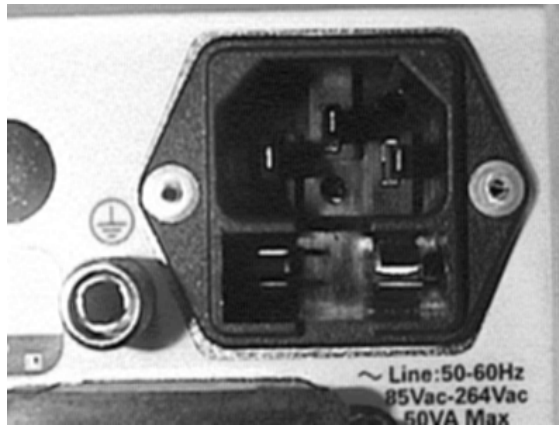


Figure 5

If it is bent too far bend it to the correct position as per step 6 Proceed to step 9.

- 8) Supply QMD Product Support with Unit Model Number, Serial number Fitted Options and return the unit to division for replacement. (QMD for prefix GB and MID for Prefix US). Proceed to step 9.
- 9) Replace the Fuse holder as per figure 6. Proceed to step 10.



Figure 6

10) Return unit (or replaced unit if applicable) to customer.