

S E R V I C E N O T E

SUPERSEDES: NONE

E4418B EPM Power Meter

Serial Numbers: See Below

Defective Fuse Holder Clips In Agilent E4418B Line Module

Duplicate Service Notes:

E4418B-06 Serial Numbers: GB40203833 / GB40205137
E4419B-06 Serial Numbers: GB40201436 / GB40201947

To Be Performed By: Agilent Qualified Personnel

Parts Required: None

Situation:

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

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.

Continued

DATE: July 2000

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: July 2002 | | |
| AUTHOR: FC | ENTITY: E600 | ADDITIONAL INFORMATION: | | | |



Solution / Action:

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

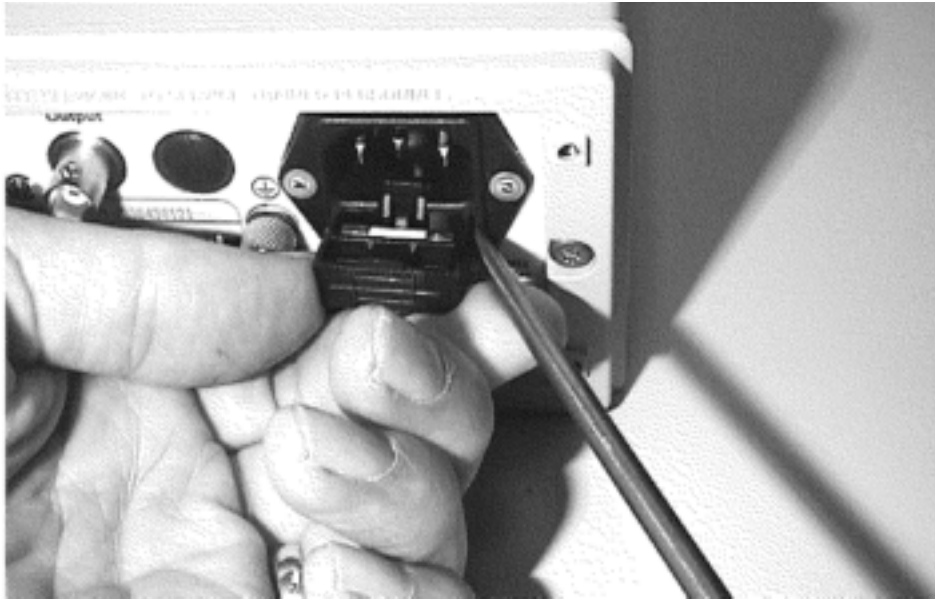


Figure 1. Removing Fuse Box.

- 2) Inspect the Fuse clips.
- 3) If the Fuse Clips look like the ones in Figure 2 then proceed to step 9.



Figure 2. Good Fuse Clips.

- 4) If the Fuse Clips look like the ones in Figure 3 then check for signs of arcing on the clip.

Continued



Figure 3. Fuse Clips That May be Damaged or Require Bending.

- 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 screwdriver as shown in Figure 4. Proceed to step 7.

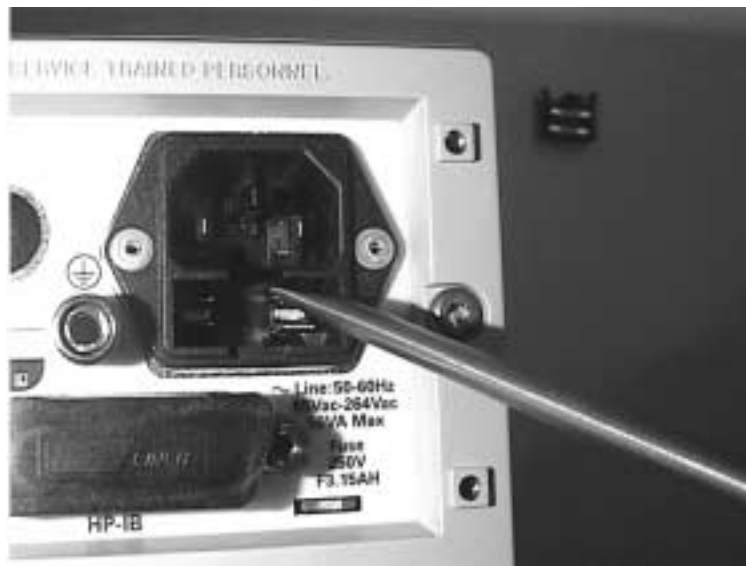


Figure 4. Bending Fuse Clips into Normal Position.

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

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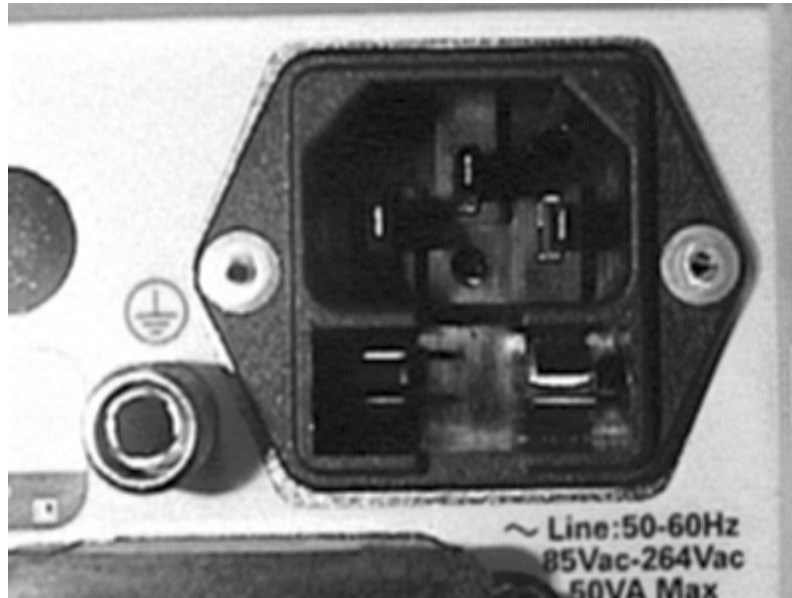


Figure 5. Fuse Clip Holder Excessively Bent.

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

- 8) Reinsert the fuse holder. Supply EPSG-Q Product Support with the unit Model Number, Serial Number, any Fitted Options, and then return the unit to EPSG-Q for replacement.
- 9) Reinsert the Fuse holder as per Figure 6. and return the unit (or replaced unit if applicable) to the customer.



Figure 6. Replacing Fuse Holder