

S E R V I C E N O T E

SUPERSEDES: 437B-08

**HP 437B Power Meter**

Serial Numbers: 0000U00000 / 3125U20376

Duplicate Service Notes: 438A-14A

**Modification to Eliminate Loose Reference Oscillator  
N-type connectors**

To Be Performed By: HP-Qualified Personnel

**Parts Required:**

HP P/N	Description	Quantity
3050-1916	Spring Washer	1
00438-00048	Lock Washer	1
2950-0132	Nut	1

*Continued*

DATE: July 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
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: January 1999	
		ADDITIONAL INFORMATION:	

**Situation:**

Multiple connections of power sensors to the Reference Oscillator, together with the weight of the sensor, have been causing lateral movement on the connector which has distorted the mounting hole on the front panel. This has in turn allowed the retaining nut to rotate backwards and make the connector even looser. Tightening the nut has fixed the problem in the past but the problem has re-occurred in some instances because the front panel hole distortion still exists.

**Solution / Action:**

A new fixing mechanism has been introduced which includes a spring washer and a lock washer. If the hole distortion occurs these two washers ensure that the nut remains under tension and cannot rotate. The connector therefore does not come loose. The instrument will need to be stripped down to give access to the rear of the Reference Oscillator connector on the front or rear panel. See Figure 1. for instructions on how to put on the new fixing hardware.

