

## S E R V I C E N O T E

SUPERSEDES: None

**8714B Network Analyzers****Serial Numbers:**

8711B-02 Serial Numbers: GB35100000 / GB35100176 - except S/N 0175

8712B-02 Serial Numbers: GB35100000 / GB35100145 - except S/N 0143

8713B-02 Serial Numbers: GB35100000 / GB35100200

8714B-02 Serial Numbers: GB35100000 / GB35100178

**Intermittent Frac-N cables; GB Prefix only****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Qty.
8120-2587	3
8120-2586	1

*Continued*

DATE: June 1996

## 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 Hour		
LOCATION CATEGORY:	<input checked="" 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 checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: June 1998		
AUTHOR: JV	ENTITY: 5320	ADDITIONAL INFORMATION:			

**Situation:**

QMD has discovered that the PHONO cables used in the A3 Frac-N board assembly were improperly made and may be intermittent. All 871xB instruments shipped prior to mid-January, 1996 with a "GB" serial prefix within the above range may be affected. These units are generally shipped to European destinations.

These cables are the four RCA phono cables. Examination of these parts reveals insufficient solder at the tips of the connector. Since there are several cables per board, the failure symptoms may be varied. The RF output of analyzer may not change frequency, the trace may be noisy, or excess spurs may exist.

**Solution/Action:**

For any analyzer in the above range, it is recommended that all four cables on the A3 Frac-N assembly be replaced if any are found to be a problem. There are two different lengths involved; three of one length and one of another. Make sure that each end of each cable is fully seated on the connector.