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

SUPERSEDES: None

## 8673B Synthesized Signal Generator

**Serial Numbers:** 0000A00000 / 3034A99999

**Duplicate Service Notes:**
8673B-13B
8673E-07A
8673G-04
8673H-05

### Modification to improve power supply reliability

**To Be Performed By:** Agilent-Qualified Personnel

**Situation:**

It has been determined that connectors (P/N 1251-2313) may not have been installed correctly during the fabrication process of the Synthesized Signal Generator. This results in intermittent opens between the connectors and transistor leads which then results in blown fuses.

The connectors have been eliminated on newer instruments and the transistor leads are being soldered directly to the mother boards.

*Continued*

DATE: 15 September 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**MODIFICATION RECOMMENDED**

| | | | |
|---|---|---|---|
| ACTION CATEGORY: | ☐ IMMEDIATELY<br>■ ON SPECIFIED FAILURE<br>☐ AGREEABLE TIME | STANDARDS: Labor 0.5 Hours | |
| LOCATION CATEGORY: | ☐ CUSTOMER INSTALLABLE<br>☐ ON-SITE<br>■ SERVICE CENTER | SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ■ SEE TEXT | USED PARTS: ☐ RETURN ☐ SCRAP ■ SEE TEXT |
| AVAILABILITY: PRODUCT'S SUPPORT LIFE | | RESPONSIBLE ENTITY: 0400 | UNTIL: September 1993 |
| AUTHOR: D.H. | ENTITY: 0400 | ADDITIONAL INFORMATION:; | |

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**Solution:**

A fix for intermittent fuse blowing has been made available. Check the Single Contact connectors (P/N 1251-2313) for proper mechanical fit. The emitter and base leads of the power supply pass transistors (A3Q1 through A3Q4) may make intermittent contact with the surface of the connectors, causing current surges, which open up the power supply fuses.

If it is determined that the connectors are at fault, the pass transistor leads should be soldered directly to the board assembly. Because one faulty connector porbably means that all of the connectors were installed wrong, we recommend that the leads of all four transistors be soldered.

There are no parts needed and no inventory involved with this modification.