MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E8257C-01

S E R V I C E N O T E

Supersedes:
None

E8257C PSG Analog Signal Generator

Serial Numbers: [0000A00000 / 9999Z99999]

Check for poorly soldered heat sinks on the A26 MID (Micro Interface Deck) with A26 MID Assemblies serial numbers starting with 10225 and 10228. The check is to be performed when instruments are in for service.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E8251-60009	A26 MID	n/a

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: **MODIFICATION RECOMMENDED**			
ACTION CATEGORY:	[ ] IMMEDIATELY [ ] ON SPECIFIED FAILURE x AGREEABLE TIME	STANDARDS: LABOR: 1.0 Hours	
LOCATION CATEGORY:	[ ] CUSTOMER INSTALLABLE [ ] ON-SITE x SERVICE CENTER	SERVICE INVENTORY: [ ] RETURN [ ] SCRAP x SEE TEXT	USED PARTS: [ ] RETURN [ ] SCRAP x SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: March 15, 2005	
AUTHOR: Dan McNamee	PRODUCT LINE: 15		
ADDITIONAL INFORMATION:			

Agilent Technologies

March 6, 2003

Situation:
A change in process resulted in U1 and U2 heat sinks on A26 MID assembly (E8251-60009) not being properly soldered. If the heat sink come loose it can cause additional stress on the leads that could result in a failure. The first 5 digits of the suspect assembly serial number start with 10225 or 10228.

Solution/Action:
Anytime an instrument is in for service, perform the following check:

1. Check to see if the first 5 digits of the A26 MID assembly serial number starts with 10225 or 10228. If A26 MID assembly serial number starts with any other number, no further action is required. If the MID assembly serial number starts with either of the numbers listed proceed to step 2.

Note: To see the assembly serial number:

a. Press Utility, Instrument Info/Help Mode, Installed Assembly Info
b. Locate the Micro Interface assembly in the list and verify the first 5 digits of the serial number.

2. Only if the first 5 digits of the serial number are either 10225 or 10228, turn the instrument off, disconnect power, and remove the outer and inter cover. For information on removing covers refer to Assembly Replacement in the PSG Family Signal Generator Service Guide.
3. Locate the A26 MID assembly. U1 and U2 heat sinks are located on the top side, near the rear of the assembly.
4. Apply slight pressure to each side of both heat sinks. If the heat sink is not properly soldered the heat sink will come loose from the assembly. If the heat sinks do not come loose, the heat sinks are properly soldered. The covers can be reinstalled and no further action is needed. If the heat sinks come loose proceed to step 5.
5. If either or both heat sinks came loose, remove the A26 MID assembly. For information on removing the A26 MID assembly refer to Assembly Replacement in the PSG Family Signal Generator Service Guide.
6. Soldering the heat sinks: It is recommended to try and re-solder the heat sinks use a METCAL station and a SMTC 160 tip. If a METCAL station is not available, try using a larger wattage iron. If the tools are not available to re-solder the heat sink(s), replace the A26 MID assembly.
7. Reinstall the A26 MID assembly. If the A26 MID assembly was replaced refer to the Post Repair section of the PSG Family Signal Generator Service Guide. If the assembly was reworked, skip the Post repair section.
8. Inspection and rework is complete.