33120A-05

S E R V I C E   N O T E

Supersedes:
NONE

33120A

Serial Numbers: MY40019072/MY40024190

Front Panel or GPIB locks up after extended operation

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
1820-5562	U1201, SN74HC02D Quad 2-input NOR gate	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY:	[[]] IMMEDIATELY X ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS: LABOR: 1.0 Hour
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE [[]] ON-SITE X SERVICE CENTER	SERVICE [[]] RETURN USED [[]] RETURN INVENTORY: [[]] SCRAP PARTS: X SCRAP [[]] SEE TEXT [[]] SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: End of Warranty
AUTHOR: WOH	PRODUCT LINE: PL9E	
ADDITIONAL INFORMATION:		

Agilent Technologies

September 12, 2003

Situation:
After repeated use of commands sent through GPIB (< 16 hours), the Function Generator may not respond on GPIB or the front panel becomes completely inoperative. If a function generator within the above serial number range is sent repeated *RST commands through GPIB (< 16 hours) and shows this behavior, then the defect is likely U1201 in the Display and Keyboard PC Assembly.

Solution/Action:
Work around
In most cases recycling power on the function generator will temporarily restore operation.

Repair
Replace U1201 by replacing the PCB assembly 33120-66502. Caution: If attempting to obtain and replace U1201 independently. Observe that this is an SMT part and should only be repaired by a technician skilled in the repair of surface mounted components. Damage to the PC assembly can occur unless the proper tools are used to remove and replace the IC.