

S E R V I C E N O T E

SUPERSEDES: None

10762B Fast Comparator Board

Serial Numbers: 0000A00000 / 2336A09281

Switches S1, S2 and S3 (P/N 3101-2761) May Be Subject to Early Failure

To Be Performed By: Agilent-Qualified Personnel

Parts Required: P/N 3101-2761

Situation:

Switches S1, S2 and S3, part number 3101-2761, with date codes 86xx and 85xx may be subject to early failure. The normal life expectancy of these switches is 10 years, but switches with date codes 86xx and 85xx may fail sooner due to corrosion which causes an increase in contact resistance. The corrosion occurs as a result of inadequate gold plating and cracks in the contact area. Over the past eight years, the manufacturer of these switches has made significant improvements in the switch construction. As a result, more recent date codes are not subject to early failure.

Continued

DATE: 24 September 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 hrs		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input 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: September 1995		
AUTHOR: MD	ENTITY: 0200		ADDITIONAL INFORMATION:		

Solution:

There are two recommended solutions. One is to hard-wire the positions closed if it is never necessary to change the switch positions. The second is to replace any 86xx and 85xx date code switches.

This service note will only cover the cost of parts and labor of a failed switch with date codes 86xx and 85xx.

To avoid an early failure, flip the switches black and forth a few times during the normal yearly maintenance cycle.