								E	310	1A-06	6A
S	E	R	V	Ι	С	Е		Ν	0	Т	Е
F 210	14 G	• • • • •		Dama		Testa	SUPER	SEDES	: E310	1A-06	
E312 E312 E312 E312 E312 E312 E312	21-6650 20-6653 20-6651 20-6651 20-6651 20-6651	01/E312 6 2 3 5	21-695	01	Pin F Chuo Relay LC F Kelvi CMU	Board ck Boa y Test nput H in Inp J Inpu	rd Board Board ut Boar t Board	d			
Serial	Number	s: JP1 JP1 JP1	0D00152 0D00279 0D00283	2/JP10 9/JP10 3/JP10	D00276 D00280 D00285						
Solution for the breaking of a relay coil To Be Performed By: Agilent-Qualified Personnel											
										Continued	d
							DATE:	Februa	ry 1999		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	 IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME 	STANDARDS: LABOR 0.5 Hours			
LOCATION CATEGORY:	 ☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☐ SERVICE CENTER 	SERVICE RETURN USED RETURN INVENTORY: SCRAP SCRAP SCRAP SEE TEXT SEE TEXT SEE TEXT			
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: February 2001			
AUTHOR: MO	ENTITY: 3300	ADDITIONAL INFORMATION:			

© 1999 AGILENT TECHNOLOGIES PRINTED IN U.S.A.



P/N	Description	Quantity
E3121-69511	Pin Board	(See note.)
E3120-66561	Chuck Board	1
E3120-66526	Relay Test Board	(See note.)
E3120-66512	LC Input Board	(See note.)
E3120-66513	Kelvin Input Board	1
E3120-66515	CMU Input Board	1

Parts Required:

Note: *The quantities depend on the situation.

Situation:

The relay test of the diagnostics program (diag4070) fails with the following conditions:

- The diagnostics program indicates a normally open relay will not close.

--or--

The diagnostics program indicates a normally closed relay will not open.

- The relay test failure is permanent (not intermittent).
- The resistance of the suspected relay's coil is over one mega ohm. (Measure the coil resistance on the reverse side of the board by using a hand-held multimeter.) The resistance of a good relay coil is approximately 1.2 kohm (2-line relay) or 800 ohm (3-line relay).

Solution / Action:

Replace the board isolated by the diagnostics program. For the low current input board, Kelvin input board, and CMU input board, use a board whose EDC (engineering date code) is 33-3819 or later. (The part numbers are the same.) You can check the EDC of the board on the label on the board:

E3120-66513	
33-3819	\leftarrow 3819 is the EDC.
XXXXX-XXXX	
MADE IN JAPAN	

The failure is caused by the breaking of a relay coil. The breaking usually occurs if water penetrates the filler of the relay and reaches the coil wire, or if corrosive material exists on the surface of the wire. These problems have been corrected by changing the manufacturing processes.