

E4991A-06

S E R V I C E N O T E

Supersedes:
NONE

E4991A RF Impedance/ Material Analyzer

**Serial Numbers: JP1KH00001- JP1KH99999, JP2KH00001-JP2KH99999,
MY43200001-MY43299999**

Digital Motherboard Part Number change

Parts Required:

P/N	Description	Qty.
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Refer to the table 1-1 on details.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE: WN
<input type="checkbox"/> Calibration NOT Required	AUTHOR: LS
ADDITIONAL INFORMATION: E4991A Digital Motherboard Part Number change	

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Situation:

For E4991A (serial prefix of JP1KH, JP2KH, and MY432), due to the part discontinuance by motherboard manufacturer, the **E4991-61020** A20 ATX DIGITAL MOTHER BOARD is no longer supplied.

Solution/Action:

Note: Refer to E4991A service guide Chapter 7 -Replacement procedure and Chapter 8-Post repair procedures for details.

Since this involves HDD replacement, please inform customer to perform data-backup before the instrument is sent to SSU for repair.

For E4991A (serial prefix of JP1KH, JP2KH, and MY432) operating on Microsoft Windows 98, there is no direct replacement for **E4991-61020** A20 ATX DIGITAL MOTHER BOARD.

The alternative replacement strategy would to replace the **E4991-61020** A20 ATX DIGITAL MOTHER BOARD with **E4991-62003** A20 ATX DIGITAL MOTHER BOARD.

In ensuring the hardware compatibility of the **E4991-62003** on E4991A of (JP1KH, JP2KH and MY432) instruments, it is compulsory to replace the following parts as they are mutually dependent.

For E4991A (serial prefix JP1KH/ JP2KH/ MY432) –Microsoft Windows 98

E4991-61020 will be replaced by **E4991-62003**. However, since this is not a one-to-one direct replacement, there are a number of parts needs to be replaced together as they are mutually dependent. The HDD is required to be replaced as the original HDD would not contain the required drivers and configurations in order for the instrument to operate on the new **E4991A-62003** A20 ATX DIGITAL MOTHER BOARD. Similarly it is applicable to A21 Analog I/F Board and A24 GPIB Board as well.

Table 1-1

PN	Description
E4991-62003	A20 ATX DIGITAL MOTHER BOARD
04287-66531	A21 Analog I/F board
04287-61009	A24 GPIB Board
E4991-82101	HDD Installed
9010-0262	Win2k License COA label
04287-01270	Rear I/O panel
E4991-16100	Recovery Disc
E4991-90140	Service manual [for Ghost recovery procedure]
04287-01210	Cover slot

For E4991A (serial prefix MY433) – Microsoft Windows 2000

No change in support parts strategy.

Purchase **E4991-62003** alone in replacing the motherboard. Refer to service guide for details.

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	Jan 20, 2014	LS	As published