

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

6631B-07

S E R V I C E N O T E

Supersedes: None

6631B Dynamic Measurement DC Source

Serial Numbers: See Below

Unit Exchange Program for GSA and Non GSA Approved Instruments

Duplicate Service Notes:

| | | | | |
|----------------|------------|------------|------------|------------|
| 6612B-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6611C-06 | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6612C-06 | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6613C-06 | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6614C-04B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6631B-05B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6632B-05B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6633B-05B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6634B-05B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309B-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309B#521-02B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309D-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309D#521-02B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311A-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311B-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |

Continued

ADMINISTRATIVE INFORMATION

| | | | |
|---------------------------------|---|----------------------------|--|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | <input type="checkbox"/> IMMEDIATELY X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME | STANDARDS: | LABOR: 0.5 Hours |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER | SERVICE INVENTORY: | <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | USED PARTS: | <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AUTHOR: CP | ENTITY: 2100 | AGILENT RESPONSIBLE UNTIL: | |
| ADDITIONAL INFORMATION: | | | |

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| | | | | |
|--------------------|------------|------------|------------|------------|
| 66311D-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66111A-02B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A-06B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311B#J02-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A#J03-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A#J04-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A3J02/J03-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A#J08-03B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66332A-06B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66319B-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66319D-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66321B-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66321D-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66312A#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311A#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311B#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66311D#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309B#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66309D#080-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66332A#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6611C#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6612C#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6613C#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6614C#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6632B#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6633B#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6634B#760-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 66332A#020-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6632B#020-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6633B#020-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |
| 6634B#020-01B | USXXXXXXXX | UKXXXXXXXX | SGXXXXXXXX | MYXXXXXXXX |

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

| Model: | GSA Approved P/N for Restored Units | Non GSA Approved P/N for Restored Units | GSA Approved P/N for Service Units | Non GSA Approved P/N for Service Units |
|------------|--|---|---------------------------------------|--|
| 6611C | 06611-69001 | 06612-69102 | 06611-61051 | 06611-61151 |
| 6612C | 06612-69002 | 06612-69102 | 06612-61052 | 06612-61152 |
| 6613C | 06613-61051 | 06613-69101 | 06613-61051 | 06613-61151 |
| 6614C | 06614-69001 | 06614-69101 | 06614-61051 | 06614-61151 |
| 6631B | 06631-69001 | 06631-69101 | 06631-61051 | 06631-61151 |
| 6632B | 06632-69001 | 06632-69101 | 06632-61051 | 06632-61151 |
| 6633B | 06633-69001 | 06633-69101 | 06633-61051 | 06633-61151 |
| 6634B | 06634-69001 | 06634-69101 | 06634-61051 | 06634-61151 |
| 66309B | 66309-69001 | 66309-69101 | 66309-69002 | 66309-61151 |
| 66309B#521 | 66309-69002 | 66309-69102 | 66309-61052 | 66309-61152 |
| 66309D | 66309-69003 | 66309-69103 | 66309-61053 | 66309-61153 |
| 66309D#521 | 66309-69004 | 66309-69104 | 66309-61054 | 66309-61154 |
| 66311A | 66311-69001 | 66311-69101 | 66311-61051 | 66311-61151 |
| 66311B | 66311-69002 | 66311-69102 | 66311-61052 | 66311-61152 |
| 66311D | 66311-69003 | 66311-69103 | 66311-61053 | 66311-61153 |
| 66111A | 66111-69001 | 66111-69101 | 66111-61051 | 66111-61151 |
| 66312A | 66312-69001 | 66312-69101 | 66312-61051 | 66312-61151 |

| | | | | |
|------------|-------------|-------------|-------------|-------------|
| 66311B#J02 | 66311-69004 | 66311-69104 | 66311-61054 | 66311-61154 |
| 66312A#J02 | 66312-69002 | 66312-69102 | 66312-61052 | 66312-61152 |
| 66312A#J03 | 66312-69003 | 66312-69103 | 66312-61053 | 66312-61153 |
| 66312A#J04 | 66312-69004 | 66312-69104 | 66312-61054 | 66312-61154 |
| 66312A#J08 | 66312-69005 | 66312-69105 | 66312-61055 | 66312-61155 |
| 66332A | 66332-69001 | 66332-69101 | 66332-61051 | 66332-61151 |
| 66319B | 66319-69001 | 66319-69101 | 66319-61051 | 66319-61151 |
| 66319D | 66319-69002 | 66319-69102 | 66319-61052 | 66319-61152 |
| 66321B | 66321-69001 | 66321-69101 | 66321-61051 | 66321-61151 |
| 66321D | 66321-69002 | 66321-69102 | 66332-69002 | 66321-61152 |
| 66332A#760 | 66332-69002 | 66332-69102 | 66332-61052 | 66332-61152 |
| 6611C#760 | 06611-61053 | 06611-69102 | 06611-61053 | 06611-61153 |
| 6612C#760 | 06612-69003 | 06612-69103 | 06612-61053 | 06612-61153 |
| 6613C#760 | 06613-69002 | 06613-69102 | 06613-61052 | 06613-61152 |
| 6614C#760 | 06614-69002 | 06614-69102 | 06614-61052 | 06614-61152 |
| 6632B#760 | 06632-69002 | 06632-69102 | 06632-61052 | 06632-61152 |
| 6633B#760 | 06633-69002 | 06633-69102 | 06633-61052 | 06633-61152 |
| 6634B#760 | 06634-69002 | 06634-69102 | 06634-61052 | 06634-61152 |
| 66332A#020 | 66332-69053 | 66332-69153 | 66332-61053 | 66332-61153 |
| 6632B#020 | 06632-69053 | 06632-69153 | 06632-61053 | 06632-61153 |
| 6633B#020 | 06633-69053 | 06633-69153 | 06633-61053 | 06633-61153 |
| 6634B#020 | 06634-69053 | 06634-69053 | 06634-61053 | 06634-61153 |

Situation:

The above units are on a unit exchange program. Units that are returned for service/repairs are to be exchanged with an “off the shelf” (from ATLS) exchange equivalent product. A quick check for simple problems is allowed for up to 0.25 hrs of labor.

A GSA unit is a unit that can only contain the following serial prefix’: USXXXXXXXX, UKXXXXXXXX, SGXXXXXXXX. A non GSA unit is a unit that can contain any of the following serial prefix’: USXXXXXXXX, UKXXXXXXXX, SGXXXXXXXX and MYXXXXXXXX. If a GSA unit is returned for repair and it contains the following serial prefix: MYXXXXXXXX, the following part #'s should be changed to:

| | |
|-------------|-------------|
| From: | To: |
| XXXXX-61XXX | XXXXX-611XX |
| XXXXX-69XXX | XXXXX-691XX |

Solution/Action:

Upon receipt of any of the above products for repair:

The Service Center has the option to perform the following quick checks:

Problem: “Unit dead, not output”

- Check transformer taps for proper line voltage settings.
- Check AC line fuse F301.
- Check output rail fuse F309.

Problem: “Can’t communicate over GPIB”

- Verify correct language (SCPI, COMP)

Problem: 6631,2,3,4B 100W-Series “Units with Blank Displays”

- Replace the display board (see Service Note 6632B-03)

If the problem is not isolated within 0.25 hrs., request an exchange unit from ATLS. Upon receipt of the exchange unit please perform the following steps:

1. Write the customer's original serial number on the exchange unit's blank serial number label, located on the top cover towards the rear of the unit.
2. *****Very Important***** Please record both the old/defective and new/exchange serial numbers in their proper locations in the comment, and the parts section of the CSO.

*****NEVER Remove Original Serial Number Label!!!!*****

3. Convert the AC line voltage to the customer's original line voltage setting, the exchange units will come set to 220VAC. See the User's Guide for "line Voltage Conversion" instructions to re-strap the transformer and change to proper line fuse and AC line. **Be sure to replace the rear Fuse label when the fuse is changed.**
4. Ship the exchange unit to the customer in the original carton.
5. Return the defective unit to ATLS.

*Special Situations:

1. If you are unable to order a 66312A#J02, please substitute the 66312A#J02/03 in place of it.
2. Substitute the 6612C in place of the 6612B.
3. Substitute the 66311B#J02 in place of the 66311A.

*****Important*****

This becomes effective as of the date of this Service Note. If any model numbers do not appear on the above list please use the existing method of repair.