

8477A-01

S E R V I C E N O T ESupersedes:
NONE

8477A – Range Calibrator

Serial Numbers: SG53010001 to SG53010020

8477A not able to power up under 115V

Parts Required:

P/N	Description	Qty.
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NONE

ADMINISTRATIVE INFORMATION

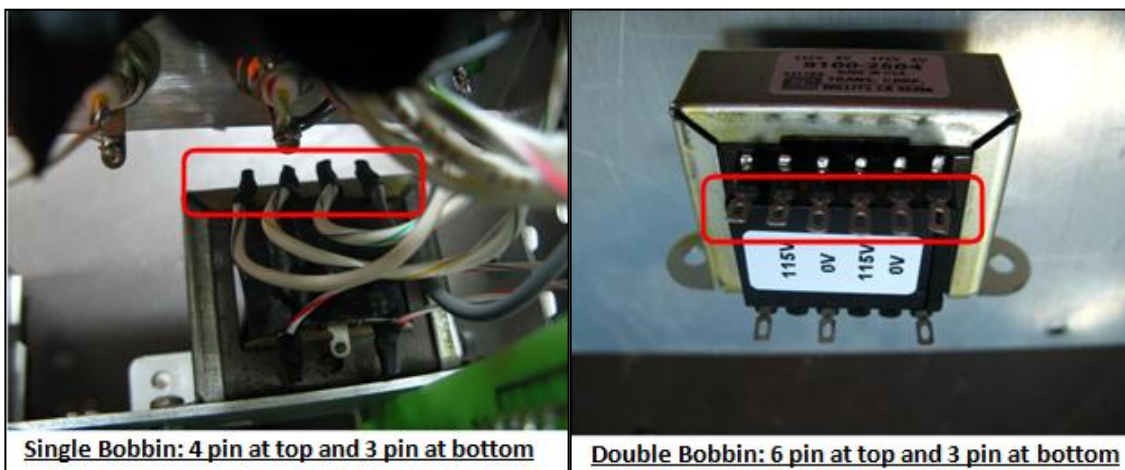
SERVICE NOTE CLASSIFICATION:				
MODIFICATION RECOMMENDED				
ACTION ☒ ON SPECIFIED FAILURE CATEGORY: ☐ AGREEABLE TIME		STANDARDS LABOR: 0.5 Hours		
LOCATION ☐ CUSTOMER INSTALLABLE CATEGORY: ☐ ON-SITE (active On-site contract required) ☒ SERVICE CENTER ☐ CHANNEL PARTNER		<table border="1"> <tr> <td>SERVICE ☐ RETURN INVENTORY: ☐ SCRAP ☒ SEE TEXT</td> <td>USED ☐ RETURN PARTS: ☐ SCRAP ☒ SEE TEXT</td> </tr> </table>	SERVICE ☐ RETURN INVENTORY: ☐ SCRAP ☒ SEE TEXT	USED ☐ RETURN PARTS: ☐ SCRAP ☒ SEE TEXT
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AVAILABILITY: PRODUCT'S SUPPORT LIFE		NO CHARGE AVAILABLE UNTIL: Jan 31, 2015		
☒ Calibration Required ☐ Calibration NOT Required		PRODUCT LINE: WC AUTHOR: CTK		
ADDITIONAL INFORMATION:				

Situation:

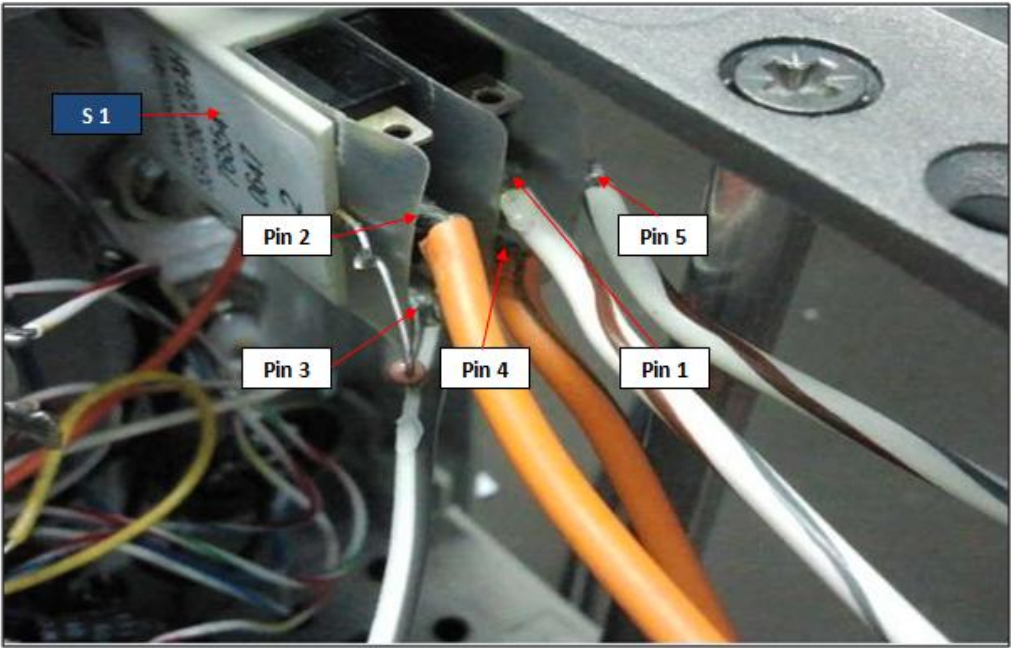
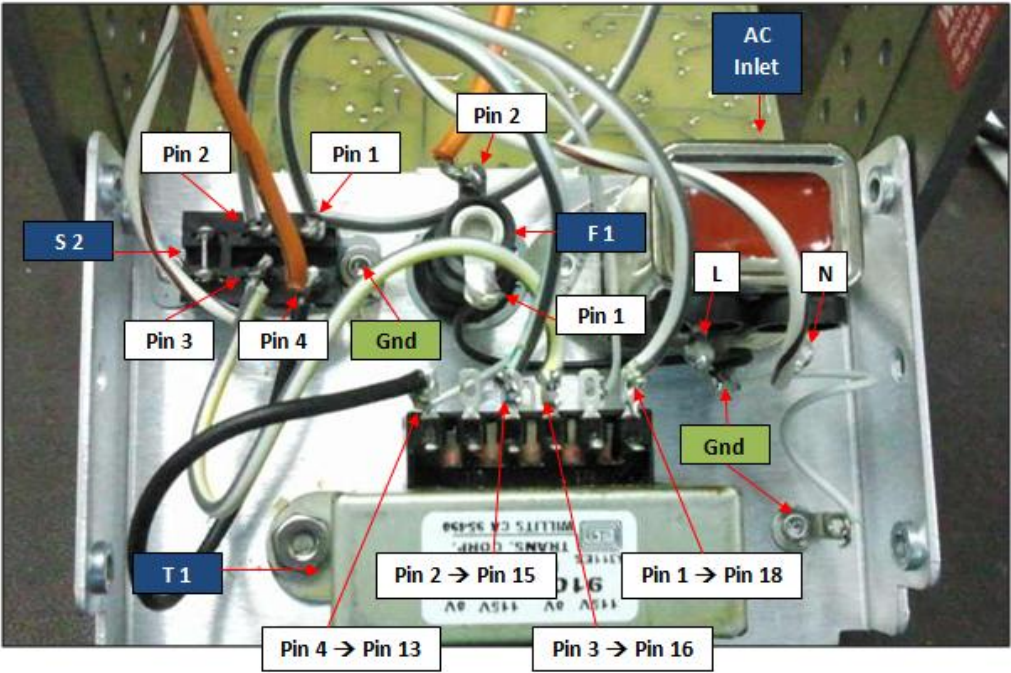
From Dec 2011, there is a change of 8477A transformer from single bobbin to double bobbin, unit within the serial number range stated above might not able to use under 115V due to the old method wiring on the transformer. There is no any safety impact to the instrument, and all units are able to work under 240V as normal unit. The only impact is the unit will not function under 115V.

Solution/Action:

If customer's unit is within serial number range stated above, please try to power up under 115V and 240V, if the unit is not able to power on under 115V and able to power on under 240V, then this service note applied. Please send the unit to nearest Agilent Service Center to rewire the unit.

Single Bobbin and Double Bobbin Transformer :Steps to rewire 8477A on Double Bobbin Transformer :

1. Selector switch (S2) to transformer (T1), see below figure
 - Pin 1 (S2) to pin 18 (T1)
 - Pin 2 (S2) to pin 15 (T1)
 - Pin 3 (S2) to pin 16 (T1)
 - Pin 4 (S2) to pin 13 (T1)
2. Selector Switch (S2) to push button switch (S1), see below figure
 - Pin 1 (S2) to pin 3 (S1)
 - Pin 4 (S2) to pin 4 (S1)
 - Gnd (S2) to pin 5 (S1)
3. AC inlet to Fuse (F1) or push button switch (S1), see below figure
 - Pin L (AC Inlet) to pin 1 (F1)
 - Pin 2 (F1) to pin 2 (S1)
 - Pin N (AC inlet) to pin 1 (S1)
 - Gnd (AC inlet) to Gnd chassis



Revision History:

Revision Number	Date	Author	Reason For Change
1.0	2014.01.27	CTK	As published