

8477A-01A

S E R V I C E N O T E

Supersedes:
8477A-01

8477A – Range Calibrator

Serial Numbers: SG50000105, SG51460001, SG52080001 to SG52080006, SG53010001 to SG53010020,

8477A not able to power up under 115V

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

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

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Rev. 21

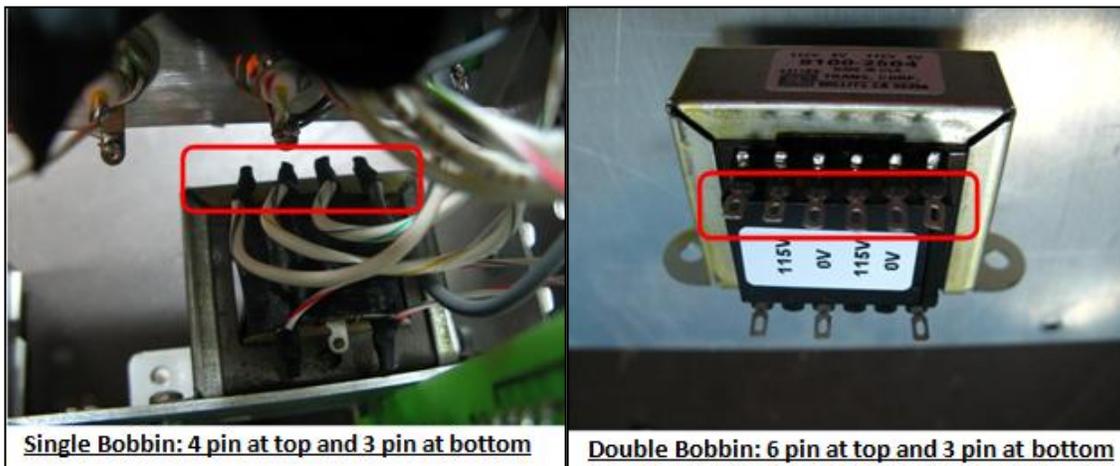


Situation:

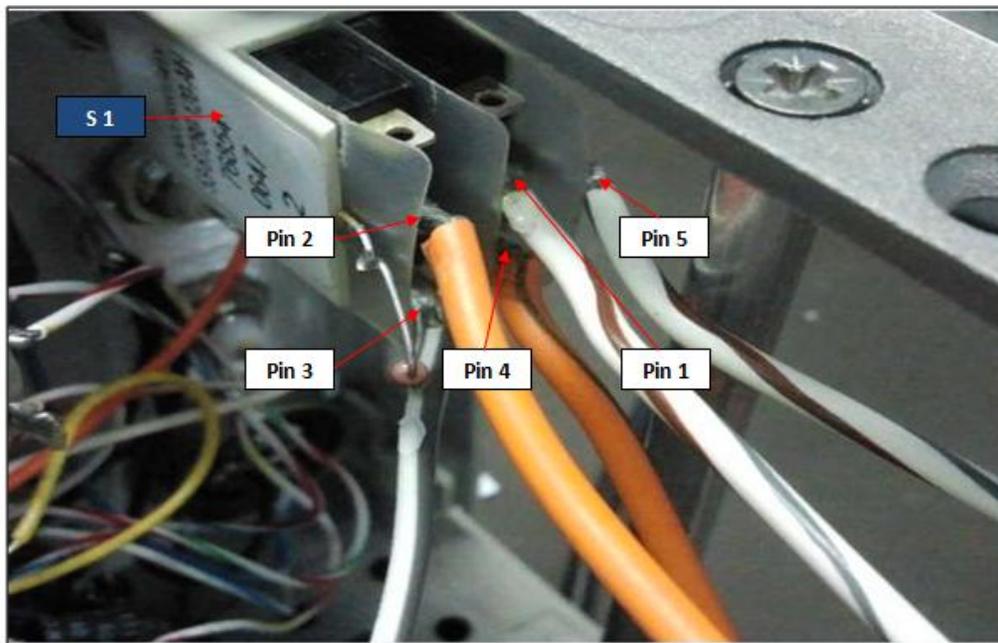
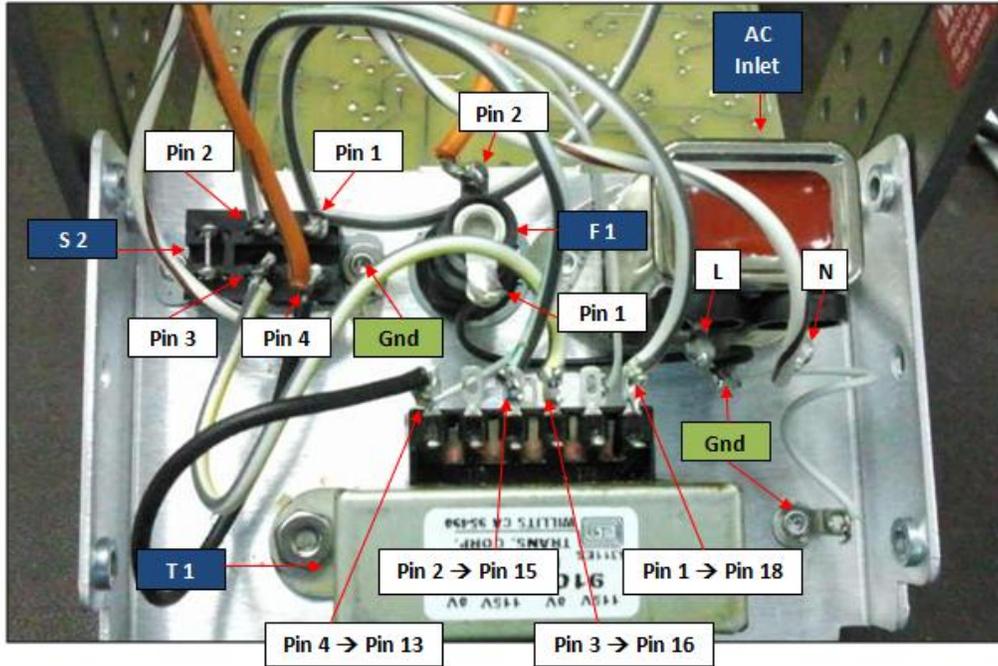
From Dec 2011, there is a change of 8477A transformer from single bobbin to double bobbin, unit within the serial number range stated above might not able to use under 115V due to the old method wiring on the transformer. There is no any safety impact to the instrument, and all units are able to work 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
2.0	2014.03.20	CTK	Add in affected Serial Number