

S E R V I C E N O T E

SUPERSEDES: None

42841A Bias Current Source

Modification to prevent incorrect shut down caused by thermal switch error

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
3103-0158	Thermal Switch	1

Situation:

The 42841A has experienced incorrect shut down due to characteristics of the thermal switch degrading, the thermal switch's contact resistance slightly increases with time. This problem exists as both a constant error and an intermittent error.

The thermal switch service inventory needn't be scrapped, because its degrading is very little and it can be used in other instruments.

Continued

DATE: 15 September 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> 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: K.H.	ENTITY: 3301	AGILENT RESPONSIBLE UNTIL: September 1993	
		ADDITIONAL INFORMATION:	

Solution/Action:

Replace the thermal switch with the new one (P/N 3103-0158) according to the following procedure.

1. Remove the two plastic instrument-feet located in the lower corners of the rear panel.
2. Fully loosen the bottom cover retaining screw, then slide the bottom cover towards the rear and lift it off.
3. Replace the thermal switch with the new one (P/N 3103-0158), refer to the following figure.
4. Replace the bottom cover and the two instrument feet.