

8494B-02

Modification Recommended Service Note

Supersedes:
NONE

8494B – Manual Step Attenuator

Serial Numbers:

TH60071055; TH60071348; TH60071349; TH60071351-TH60071353; TH60071355; TH60071357; TH60071358;
TH60071361; TH60071363; TH60071364; TH60071366; TH60071368; TH60071371-TH60071373; TH60071376-
TH60071378; TH60071380; TH60071382; TH60071384; TH60071388; TH60071454; TH60071523; TH60071525;
TH60071526; TH60071566; TH60071568; TH60071570; TH60071571-TH60071574

The Problem:

The identified batch of step attenuator's rotating knob may become loose when the user applies an extended force to turn the knob beyond the maximum attenuation value. This will cause the attenuation value to be located outside of the indicator window and may create confusion on the actual attenuation value.

Parts Required: NONE

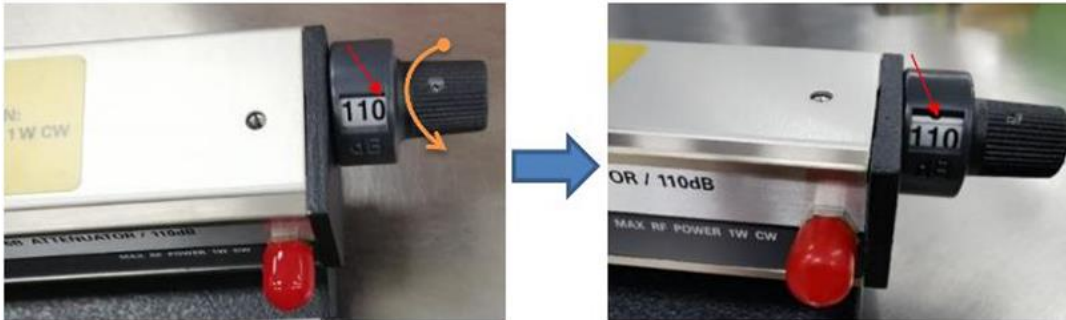
ADMINISTRATIVE INFORMATION

ACTION	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	<input type="checkbox"/> AGREEABLE TIME	LABOR:	1 Hours
LOCATION	<input type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP
	<input checked="" type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SCRAP
	<input type="checkbox"/> CHANNEL PARTNERS	<input checked="" type="checkbox"/> SEE TEXT	<input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	31 Oct 2021
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	WN
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	NMT

ADDITIONAL INFORMATION:

Situation:

The attenuation knob was not securely tightened to the internal shaft, causing it to turn further. This is due to an insufficient torque that was applied to tighten the set screw during assembly at the factory.



Solution/Action:

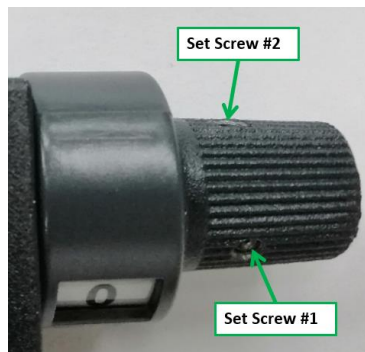
Please contact Keysight Technologies' Customer Contact Center at www.keysight.com/find/contactus for the recommended product modification.

This issue can be fixed by re-tightening the screws on the rotating knob.

- (1) Rotate the knob clockwise until it reaches the last attenuation step, which is at 0 dB.
- (2) Loosen the 2 set screws (0.05" Hex screw bit) on the knob slightly until the knob can freely move, and then align the knob so that the indicator label number "0" is located at center on dial cover window.



- (3) Tighten both set screws with a 0.05" Hex screw bit and 4.0in-lbs torque driver.



(4) After tightening both set screws, rotate knob counter-clockwise until it reaches the maximum attenuation (11/70/110dB). To ensure the attenuator functions properly, rotate the knob clockwise back to minimum attenuation (0dB), and repeat the movement for 10 cycles.

Revision History:

Date	Service Note Revision	Author	Reason for Change
31 Oct 2020	01	Ng Mooi Tiang	As Published