

MODIFICATION RECOMMENDED

N4903B-02

S E R V I C E

N O T E

Supersedes:
None

N4903B - Serial Bit Error Ratio Tester with Option J20

Serial Numbers of the N4903B-J20 plug-in: MY49100200 – MY49100261

Front plate has incorrect physical dimensions (wrong thickness)

Parts Required:

P/N	Description	Qty.
Front Plate	1 (parts are supplied by division to Roseville service center)	

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> XX AGREEABLE TIME	STANDARDS	LABOR: 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> XX SERVICE CENTER Roseville ONLY <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> XX SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 31-Dec-2012	
AUTHOR: HK		PRODUCT LINE: PL24	
ADDITIONAL INFORMATION: Service Center Roseville (24BR) is the ONLY service center worldwide making this modification! Please send repair candidates to Roseville.			

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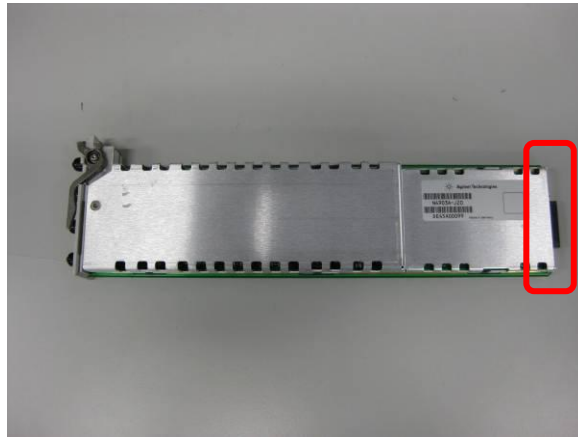


Situation:

The N4903B Option J20 is a plug-in module that inserts into a N4903B or N4903A product as shown in the next 2 pictures



Due to mechanical problems (physical thickness of the front plate) there may be connection problems, i.e. the connector at the other end of the plug-in does not full insert into the connector inside the N4903B/A. The next picture shows the connector at the other (inserting) end of the N4903B-J20 plug-in.



Therefore we have to exchange the front plate and replace it with one that has the correct physical dimensions.

Solution/Action:

The following paragraphs contain instructions on how to exchange the front plate. You will need a normal screw driver and a Torx T10.

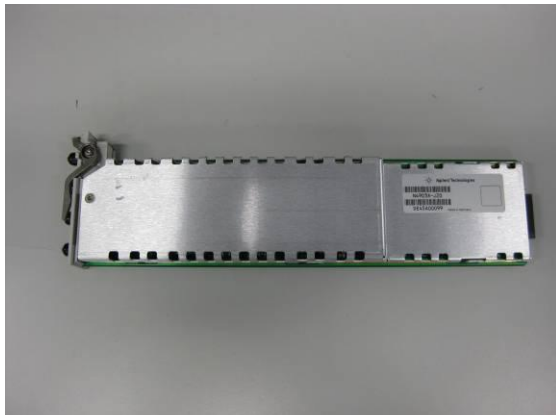
Unplug the N4903B-J20 from the N4903B. Loosen the screw shown in the next picture.



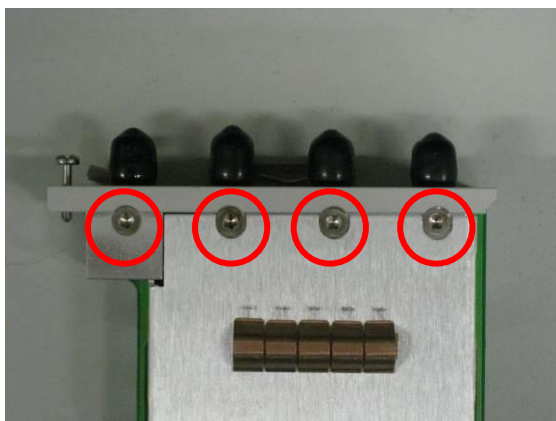
And use the lever to unplug the module.



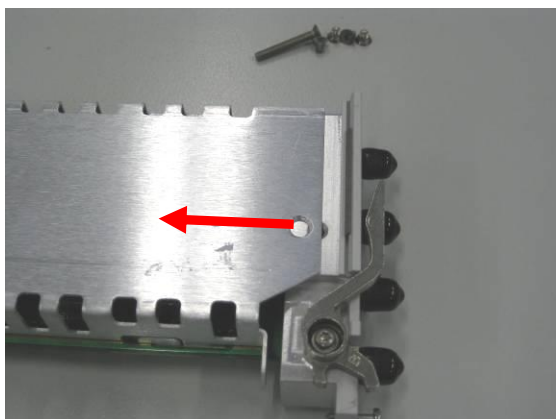
Then check the serial number and decide whether it is within the impacted range:



Identify the 5 screws (4 + 1) and unscrew them:



Slowly move the cover to the left and start lifting it up as shown in the left picture:

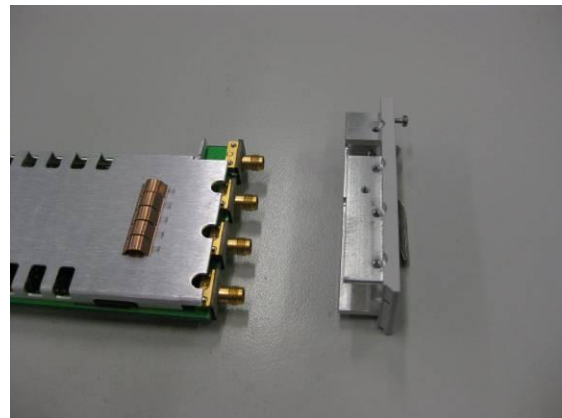
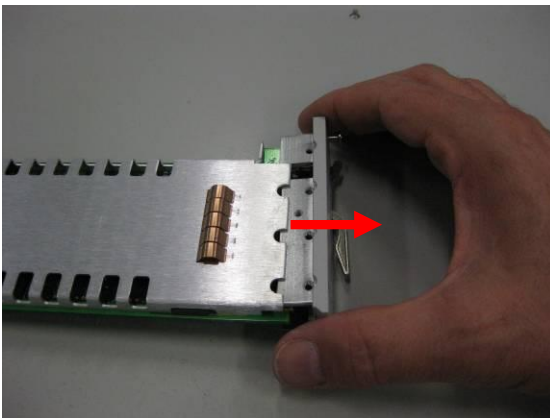


Put the cover to the side and turn the plug-in to the other side.

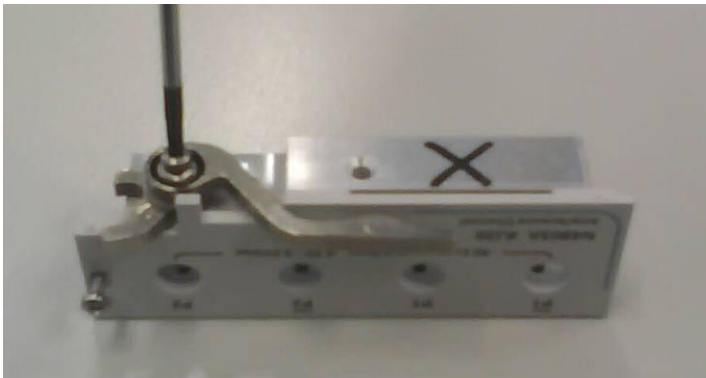
In case there are connector protectors used, please pull them off.



Then slowly pull the front plate to the left as shown below:



Now unscrew the lever and fasten it on the new front plate:



This issue with the old front plate is the following:



The thickness / width of the front plate should be 5.2mm (0.20in) and not 5.7mm (0.22in) as shown in the picture above.

Re-Assembly

Now take the new front plate with the newly attached lever and re-assemble the plug-in using the reverse order of steps from above.

Make sure that you securely fasten the 5 screws that hold the front plate.

Now insert the N4903B-J20 back into the N4903B product and secure it by tightening the Screw:



Turn on the N4903B and check whether the plug-in is recognized correctly.

Use the Bigfoot Calibration / Performance Verification software to verify that the N4903B-J20 plug-in is fully working. 3 measurements cover the J20:

- PG Sinusoidal Interference Amplitude Accuracy (Normal and Complement)
- PG Sinusoidal Interference Frequency Accuracy
- PG Intersymbol Interference Trace Length Accuracy (Normal and Complement)

Repair Tracking Sheet

Please track the repairs in the following spreadsheet:

\\BERT-Support\\public\\Repair J20\\ISI Service Note_Track.xlsx