

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E5052A-03

S E R V I C E N O T E

Supersedes:
NONE

E5052A Signal Source Analyzer

Serial Numbers: MY44100053 / MY44200450

A2 Board Not Seated in the Slot Properly

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E5052-00624	Case shield	1
E5052-01219	Extractor	1
E5052-01220	Extractor	1
E5052-24008	Screw	4

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 Hours
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	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: May 2008	
AUTHOR: jm PRODUCT LINE: WN			
ADDITIONAL INFORMATION:			

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May 10, 2006

Situation:

“A2 not found in slot 6” error message is displayed and E5052A firmware does not start up while windows 2000 operating system has been started. (See Figure 1)

This error is displayed when A2 board is not seated properly and lost the connection to the analog mother board (see Figure 2) due to the flange of both A2 board and chassis is mechanically transformed during transportation (see Figure 3).

Note: This trouble might not be found when the unit is physically moved. Once customers claim that the symptom described above, it is strongly recommended to take actions below.

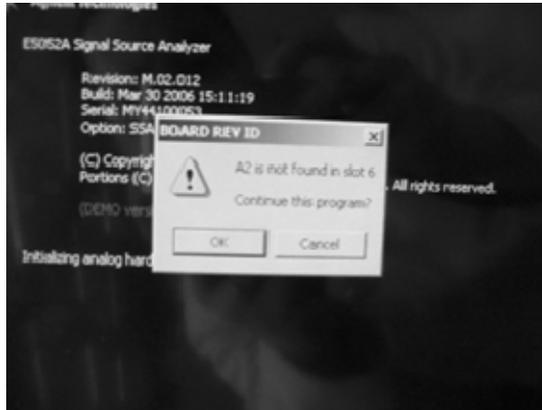


Figure 1 Boot up error message

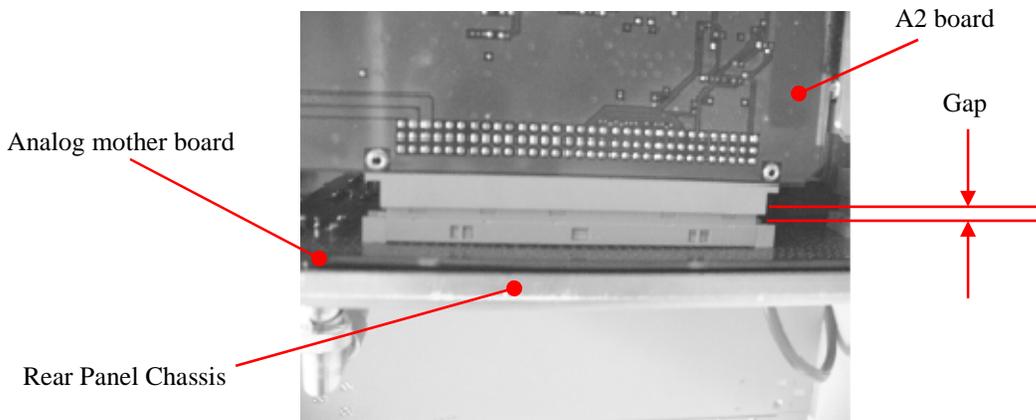


Figure 2 A2 not seated properly (bottom view)

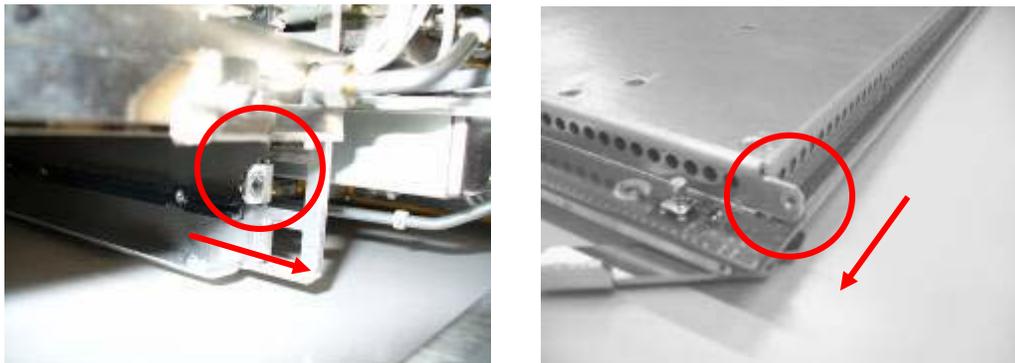


Figure 3 Transformed mechanical parts

Solution/Action:

Replace old A2 shield case with the new one to increase the mechanical robustness.

OLD P/N	NEW P/N	Description
E5052-00621	E5052-00624	Case Shield
N/A	E5052-01219	Extractor
N/A	E5052-01220	Extractor
N/A	E5052-24008	Screw

Replacement Procedure

Step1. Attach E5052-01219 and E5052-1220 to the E5052-00624 with screw (see Figure 4)

Step2. Remove Front Panel (refer to E5052A service manual, section Front Panel Removal)

Step3. Remove A2 assembly from the chassis (refer to E5052A service manual, section A2 DC Source Board Replacement)

Step4. Remove A2 shield case (E5052-00621) and replace it with the new one (see Figure 5)

Step4. Install the A2 board back in the slot (see Figure 6)

Step5. Reverse the order of the removal procedure (step 3 and step 2).

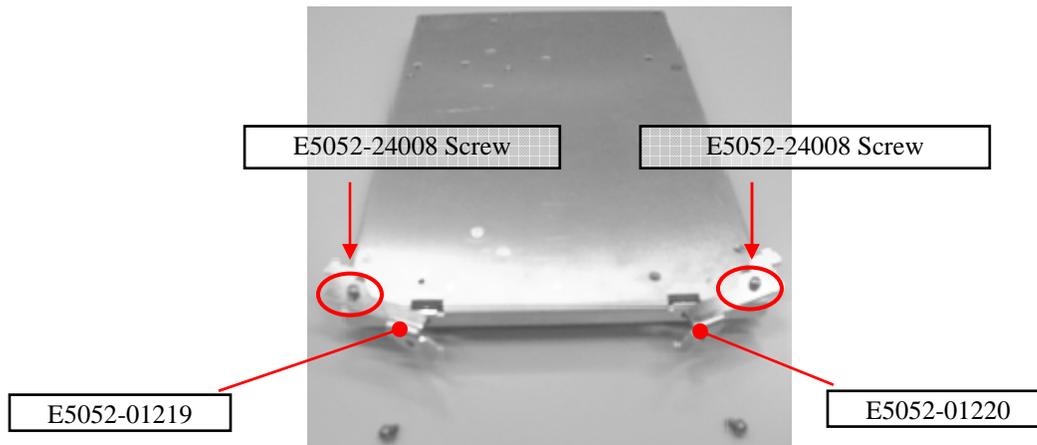


Figure 4 A2 shield case (bottom) assembly

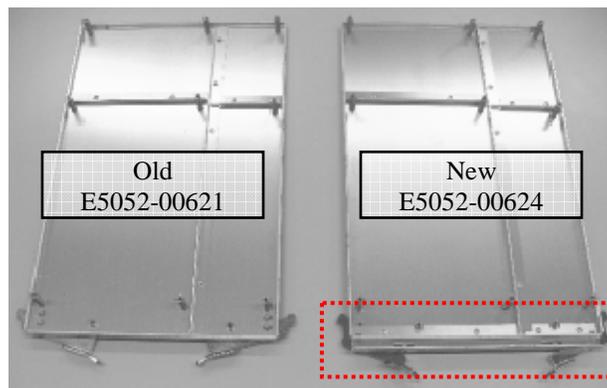
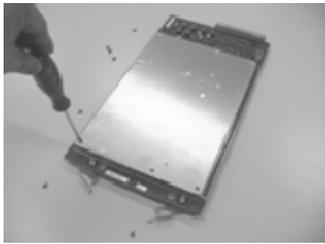
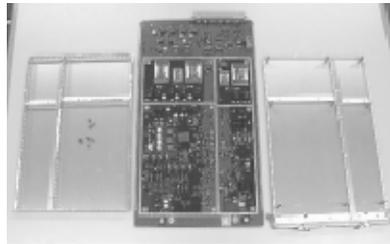


Figure 5 Old (E5052-00621) and New (E5052-00624) shield case



Remove top shield case



Replace bottom shield case with E5052-00624



Figure 6 Replace A2 shield case (bottom cover) with E5052-00624

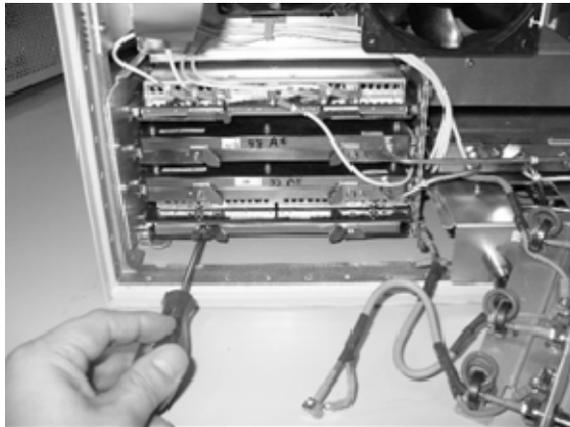


Figure 6 Install the A2 board back in the slot and put connectors back on the board

After replacing the parts, please check the following items.

- Inspect the booting process
- Check if no “power on test fail” message is displayed
- Do the following performance tests (refer to E5052A service manual, section 2)
 - o DC power voltage test
 - o DC power current measurement test
 - If either test fails, proceed to the adjustment of A2 board (refer to E5052A service manual, section 3)

- End of Document -