

E7515A-01B

Modification Recommended Service Note

Supersedes:
E7515A-01A

E7515A UXM Wireless Test Set

Serial Numbers: MY54010001 → MY57159999
TH54010001 → TH57159999

Modify the Embedded PC to improve boot reliability.

Parts Required:

P/N	Description	Qty.	
1819-1185	Micron SDRAM DDR3L 4GB	2	
N5101-20005	Bumper square poron	4	
1400-3557	4in Cable Tie ESD Safe	6	(OK to use equivalent ESD cable tie)
1400-0482	11in Cable Tie	2	

ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	1.0 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 checked="" type="checkbox"/> SCRAP
	<input checked="" type="checkbox"/> SERVICE CENTER		USED PARTS:
	<input type="checkbox"/> CHANNEL PARTNERS	<input type="checkbox"/> SEE TEXT	<input checked="" type="checkbox"/> SCRAP
			<input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	November 1 st 2018
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	PL13
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	PR

ADDITIONAL INFORMATION:

Modifications to the Embedded PC within the UXM Wireless test set to improve boot reliability after transportation.

Situation:

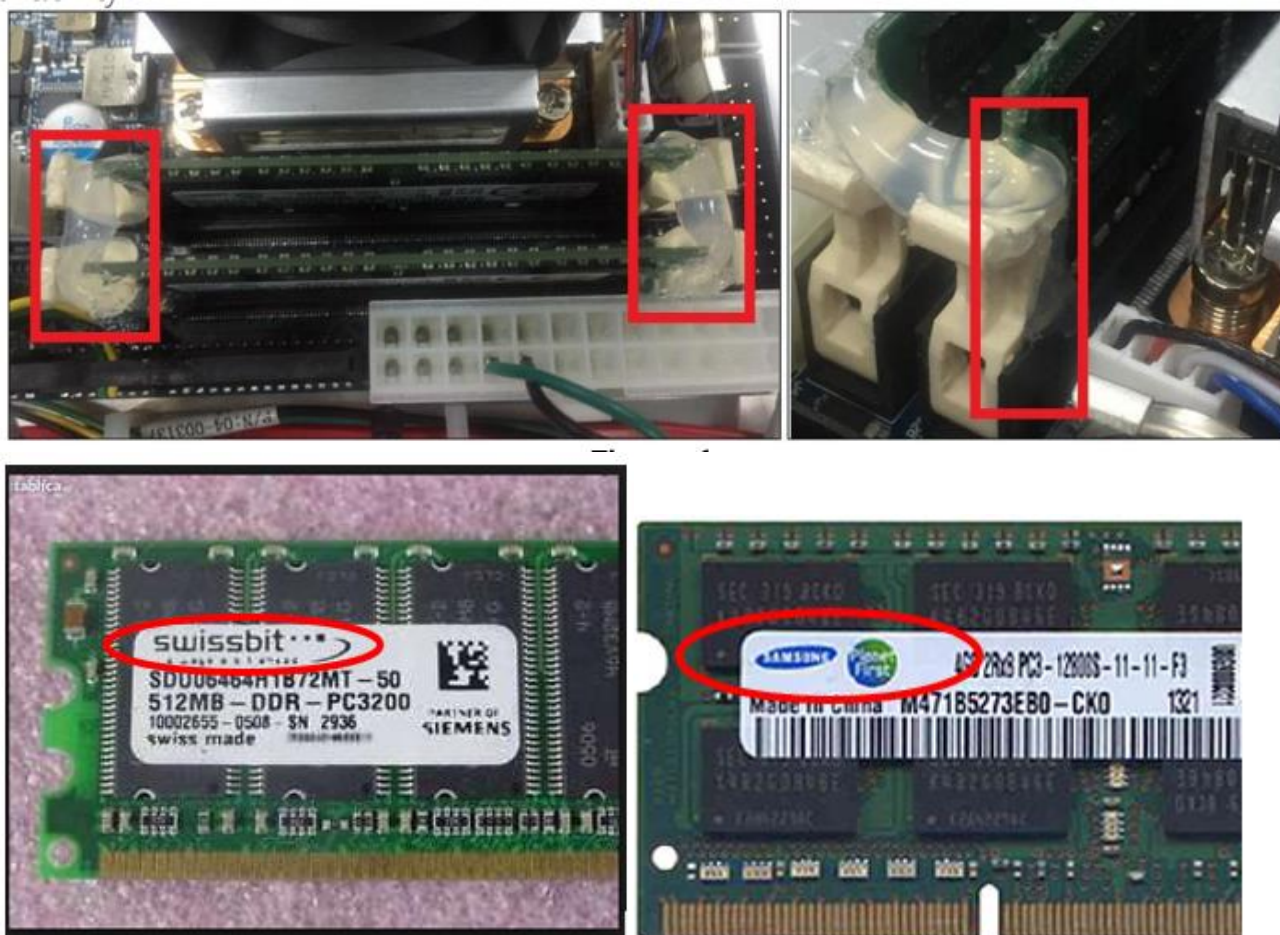
The E7515A will fail to boot if either of the RAM modules on the Embedded PC are not fully engaged in the memory slots or if the gold plating on the RAM modules has been damaged during transportation shock and vibration.

A design change from MY5716xxxx onwards was implemented to improve the UXM boot reliability by changing RAM module supplier and changing the locking mechanism used to hold the RAM modules in place.

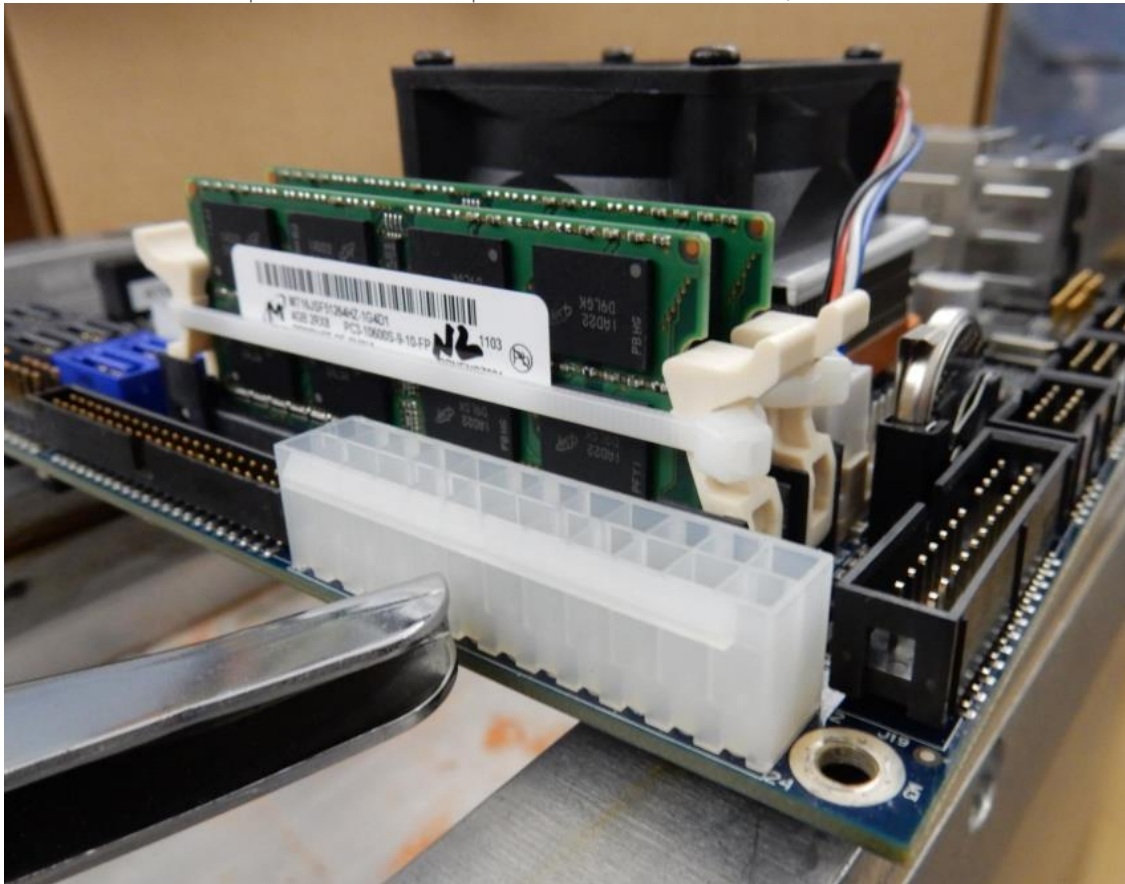
Extra padding was also added to the underside of the Embedded PC to further dampen the vibration and improve the boot reliability after transportation vibration.

Solution/Action:

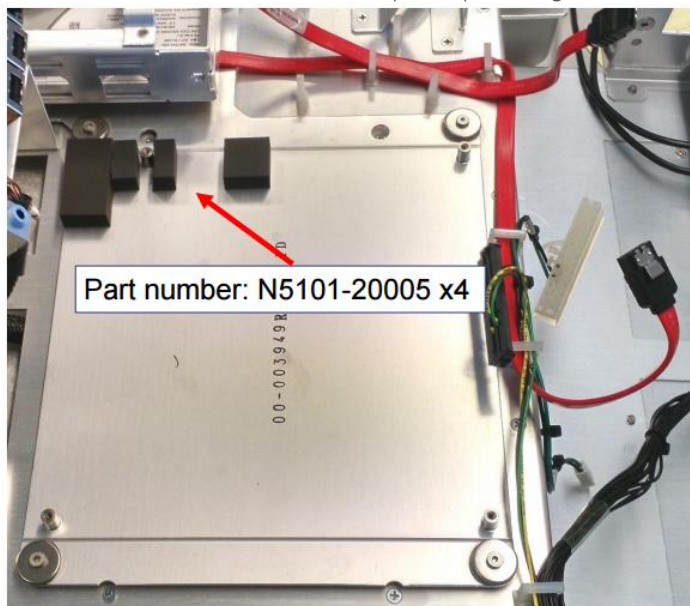
1. Remove the outer covers from the instrument
 2. Remove the Front Panel to fully inspect the RAM modules on the Embedded PC.
 3. Replace any **SwissBit** or **Samsung** DRAM with **Micron** RAM part number - 1819-1185.
- NOTE:** You may need to cut away Glue or RTV holding the existing Swissbit memory in place.



- Secure the RAM in place with ESD Zip Ties - 1400-0482 or equivalent



- Inspect the underside of the Embedded PC and add 4x N5101-20005 if not already installed.
NOTE: You will need cut one square padding in half to straddle the standoff

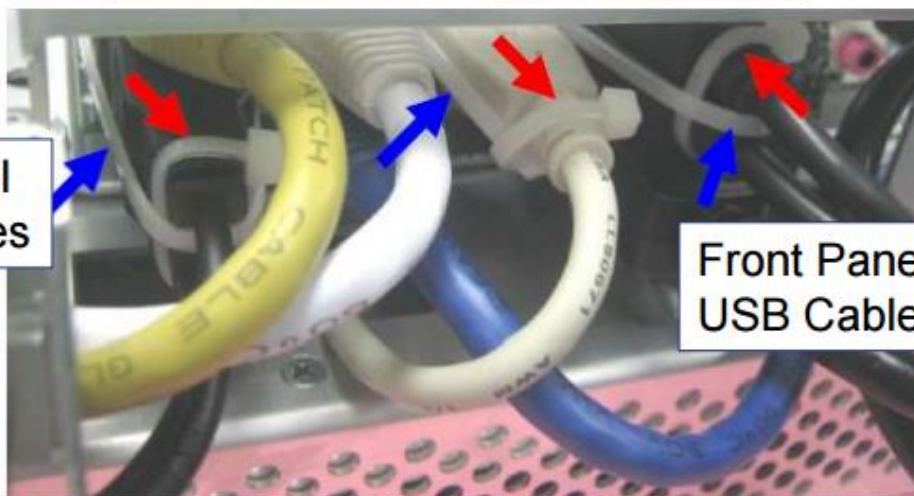


6. Re-install the Embedded PC and attach cables. Add cable ties, 1400-3557, to the USB Cables



Touchscreen USB Cable (white)

Rear Panel
USB Cables



Front Panel
USB Cables

7. Fully reassembly the UXM and test the boot sequence to make sure the UXM is now operational. **No** re-calibration is required.

Revision History:

Date	Service Note Revision	Author	Reason for Change
11 Feb 2015	01	Frank Corry	As Published
23 Sept 2015	02	Frank Corry	Revised to further improve reliability. Expanded the serial number range. Re-issued as E7515A-01A
21 April 2017	03	Paul Rooney	Revised to further improve reliability