

DSO6104L-01-S

# Safety Service Note

Implemented During Normal Course of Providing Support

Supersedes:  
NONE

## DSO6104L Oscilloscope, LXI, 4-channel, 1 GHz

Serial Numbers: MY59450205

### POSSIBLE "SHOCK" HAZARD

**WARNING**

HAZARD CLASS "3"

**The Problem** – A Foam Filled EMI Gasket was used in the units listed above. It was implemented in a total of 52 6000L units starting in Nov'2019 with SN: MY5945xxxx in response to a change in EMI qualification. It has been found that the Foam Filled EMI Gasket, if placed incorrectly, may not meet the safety creepage and clearance requirements and could cause a safety risk to the user.

#### ADMINISTRATIVE INFORMATION

ACTION CATEGORY:	<input type="checkbox"/> ON SPECIFIED FAILURE x AGREEABLE TIME	STANDARDS LABOR:	2.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE (active On-site contract required) x SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNERS	SERVICE: <input type="checkbox"/> RETURN INVENTORY: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED <input type="checkbox"/> RETURN PARTS: x SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	EOS	NO CHARGE AVAILABLE UNTIL:	ALWAYS
	x Calibration Required <input type="checkbox"/> Calibration NOT Required	PRODUCT LINE:	PL1A AUTHOR: JES

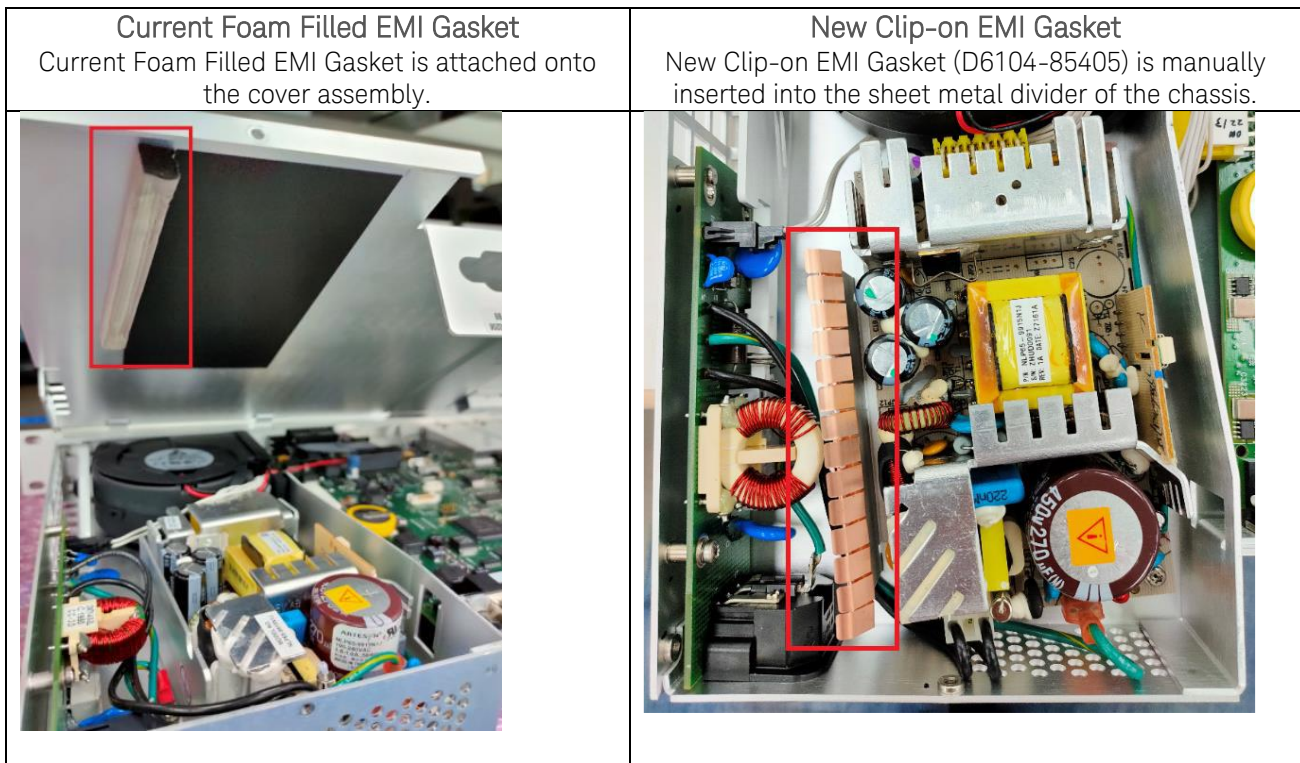
ADDITIONAL INFORMATION:

**Parts Required:**

P/N	Description	Qty.
D6104-85405	Clip-on EMI Gasket Fingerstock, 3.47 inch length	1
D6104-00104	Cover Assembly	1

**Situation:**

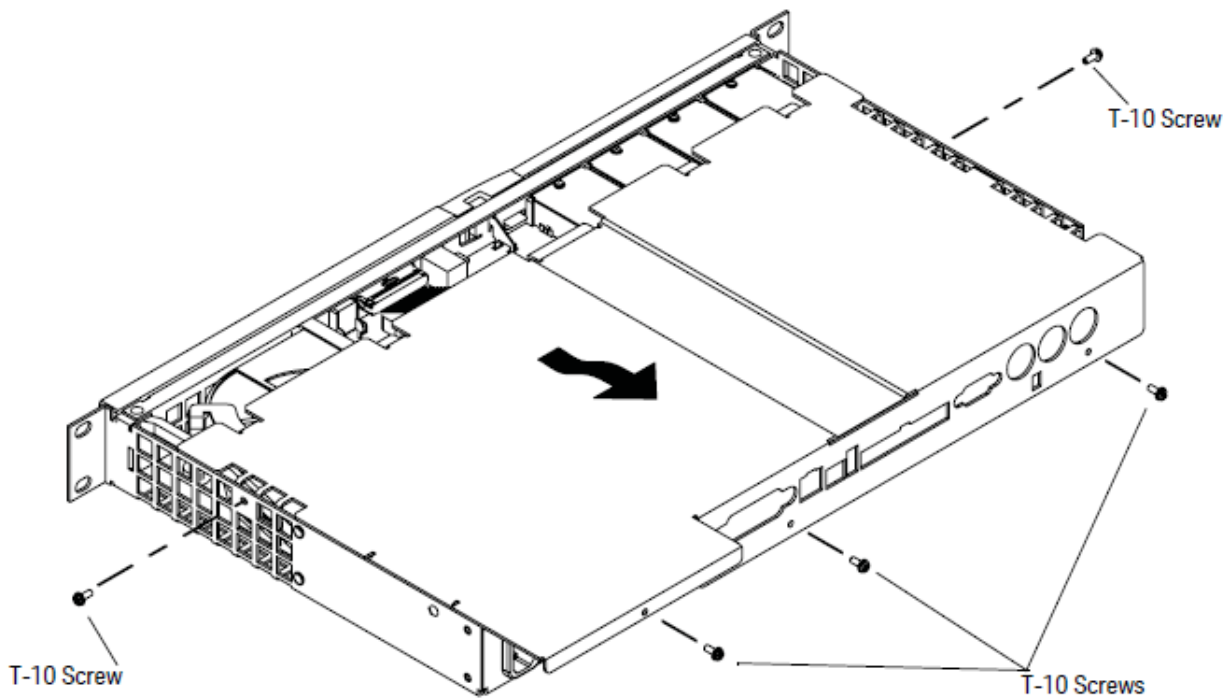
The current Foam Filled EMI Gasket (implemented in Nov 2019) in the 6000L series scopes was placed incorrectly and may not meet the safety creepage and clearance requirements and could a cause safety risk to the user, therefore the cover assembly and EMI Gasket need to be replaced. **This is ONLY APPLICABLE FOR the units with the designated serial numbers which will be RECALLED back to SSU for repair.**



**Solution/Action:**

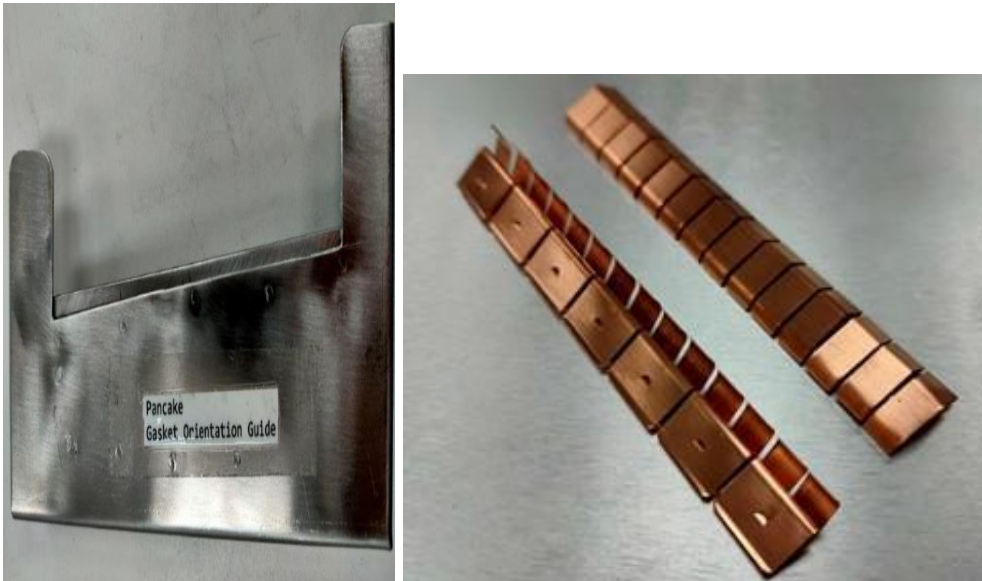
Use the following steps to...

- replace the existing Cover Assembly with a new Cover Assembly without the foam EMI gasket
  - and to apply a new clip-on EMI Gasket Fingerstock (D6104-00104) to the affected units.
1. Remove and scrap the original cover assembly (D6104-00104) with the foam EMI gasket from the scope.
    - Turn off the oscilloscope and disconnect the power cable.
    - Turn the oscilloscope so the bottom is facing up.
    - Using a T10 screwdriver, remove 5 screws from the rear and sides of the cabinet.
    - Slide the bottom cover back and up to remove.

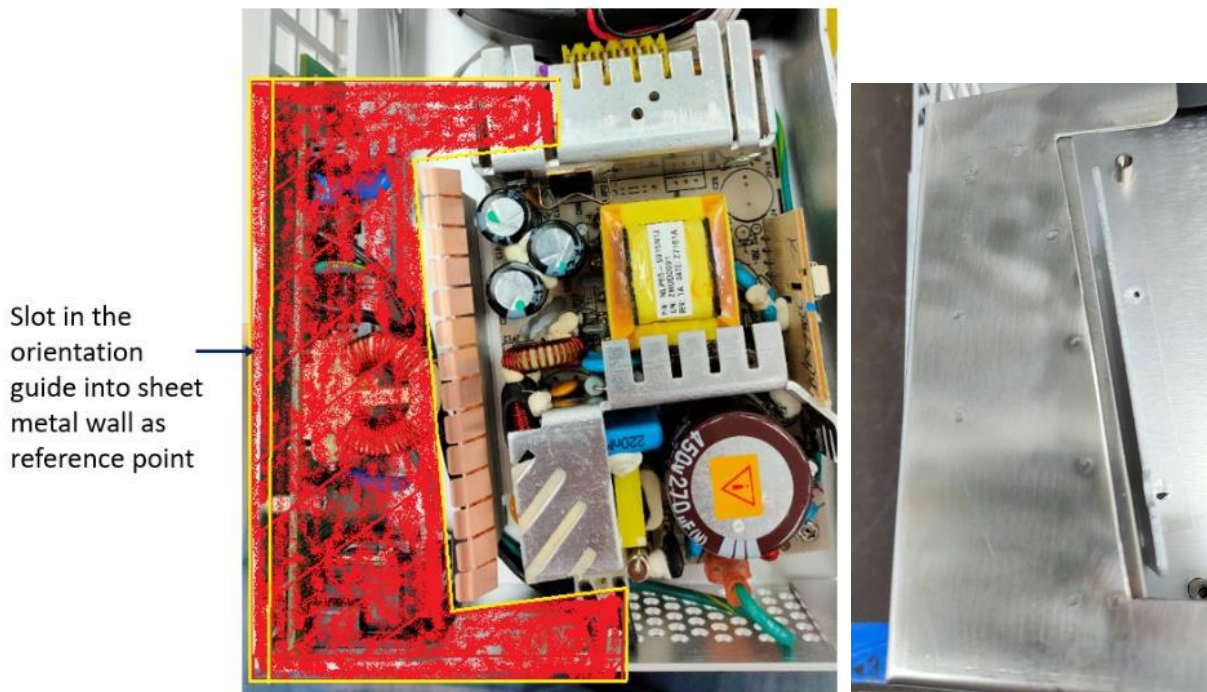


**Figure 13** Removing the cover

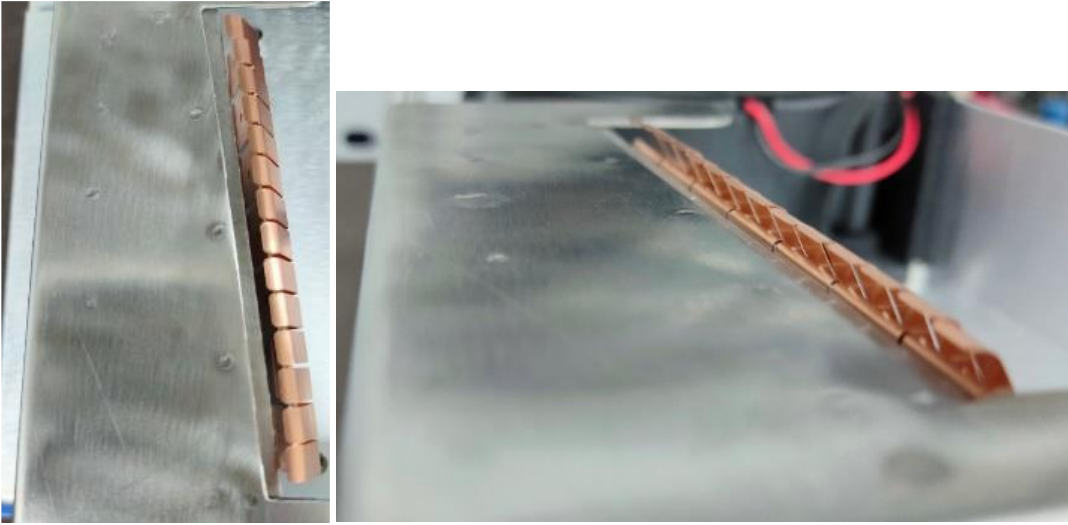
2. Prepare the Gasket Orientation Guide and 1pcs of the new Clip-on EMI Gasket Fingerstock (D6104-85405) as shown below:



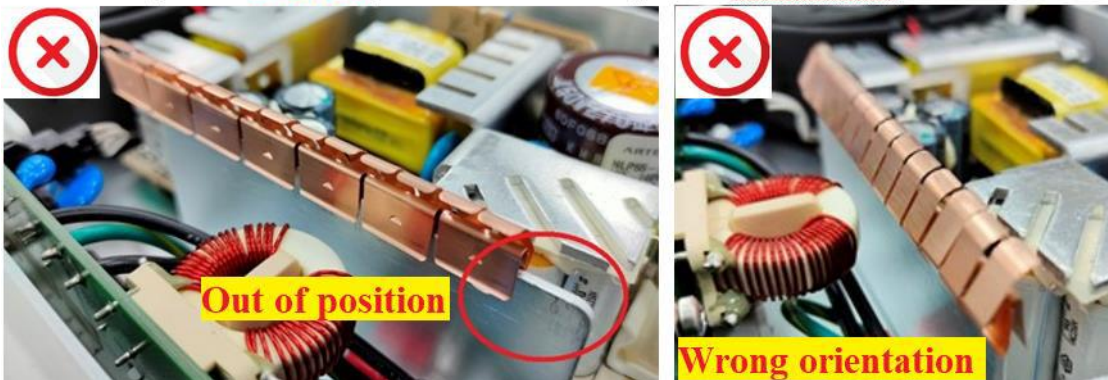
3. Slot in the Gasket Orientation Guide into the chassis as shown in the picture below:



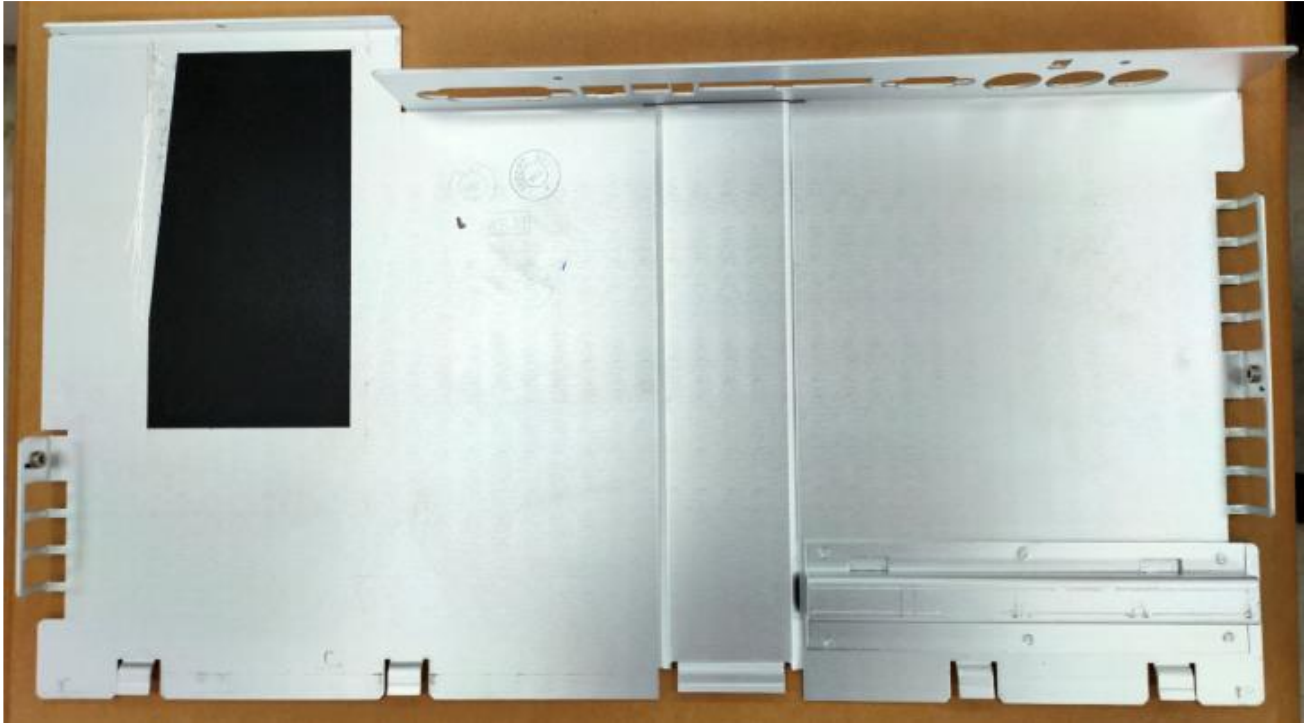
4. Insert the Clip-on EMI Gasket Fingerstock (D6104-85405) into the sheet metal divider and press it with finger force until it is fully inserted as shown in pictures below.



Example of **WRONG** placement of EMI gasket Fingerstock as below:



5. Apply the new Cover Assembly (D6104-00104) WITHOUT an EMI gasket attached to it.



6. Follow the instructions in step 1 in reversion order to assemble the new Cover Assembly (D6104-00104) onto the 6000L Series unit and complete assembly of the unit.

Note:

- If there are other repairs which are not stated in this Service Note, standard procedure will be applied for the other 6000L Series repairs.

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
15 Oct 2020	01-S	Judith Smith	As Published