DSOX2012A-03

S E R V I C E N O T E

Supersedes:
NONE

DSOX2012A – Oscilloscope, Mixed Signal, 2 Channel, 100MHz

Serial Numbers: ALL

With the oscilloscope's power on and while under normal operation the unit emits a hissing noise.

Parts Required:

P/N	Description	Qty.
9140-6151	Idctr-Fxd 68uH, +/-20Pct, 10.5W-MMX, 10.2LG-mm	2

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY: x ON SPECIFIED FAILURE; [[]] AGREEABLE TIME	STANDARDS LABOR: 1.0 Hours	
LOCATION CATEGORY: [[]] CUSTOMER INSTALLABLE; [[]] ON-SITE; x SERVICE CENTER; [[]] CHANNEL PARTNER	SERVICE INVENTORY: [[]] RETURN; [[]] SCRAP; [[]] SEE TEXT	USED PARTS: [[]] RETURN; x SCRAP; [[]] SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 30-April-2015	
[[]] Calibration Required X Calibration NOT Required	PRODUCT LINE: 1A AUTHOR: EG	
ADDITIONAL INFORMATION:		

June 22, 2012

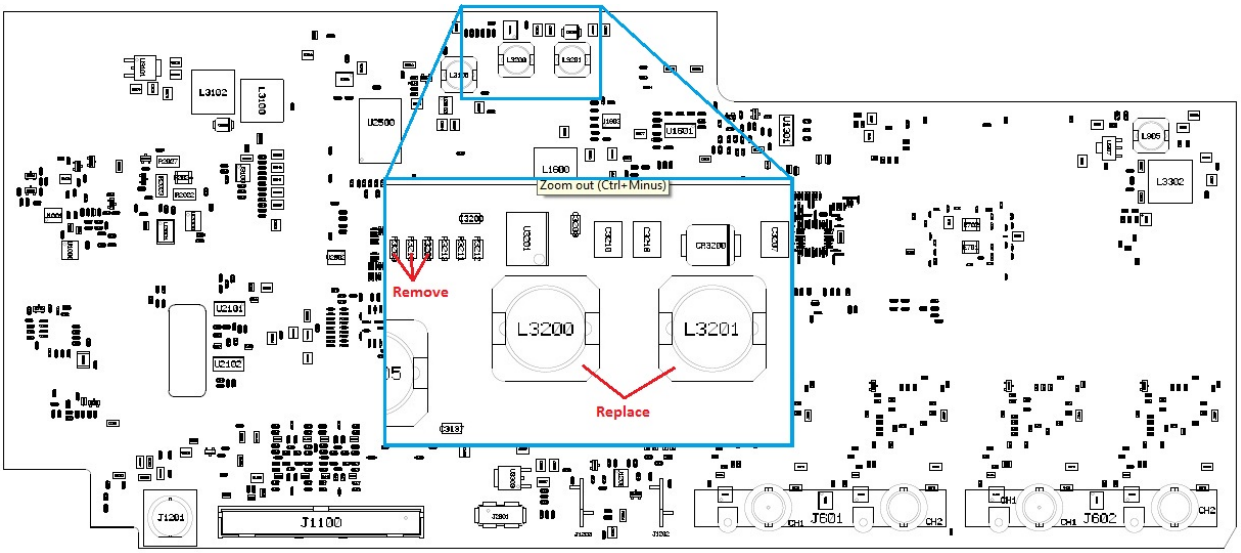
Rev. 20

Agilent Technologies

Situation:
With the oscilloscope power turned on and while under normal operation, the unit emits a hissing noise.

Solution/Action:

1. Follow the procedure to remove the acquisition board for the X2000 as in the Agilent 2000/3000 X-Series Oscilloscopes Service Guide (http://cp.literature.agilent.com/litweb/pdf/75019-97039.pdf) , pp. 117-121, until you make a visual to the following components:



2. As the picture indicates, remove the three resistors (0699-7209, 1 Ohm) located at R3208, R3209, and R3210. They are not to be replaced.
3. Remove as well the two inductors (9140-6474, 100uH) located at L3200 and L3201 and replace them with inductors with part number 9140-6151 (68 uH).
4. Re-assemble to the point where the unit could be powered up to verify that the hissing is indeed gone. If the hissing is not gone, please, check modifications.
5. When the hissing is gone, put oscilloscope back together.