

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

8591C-14

S E R V I C E N O T E

Supersedes:
NONE

8591C Cable TV Analyzer, 1 MHz-1.8 GHz

Serial Numbers: 4115A5031, 32, 33, 38-53, 55 and 56

Replace C3 and U2 to prevent the audio circuitry from failing on the option 107, TV Demodulator Board.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
0180-0491	10uF Capacitor	1
1826-0682	I.C. Audio Amplifier	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	X IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 0.50 Hours		
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN X SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: December, 2008			
AUTHOR: BAD	PRODUCT LINE: 12				
ADDITIONAL INFORMATION: Agilent responsible until the end of support life, which is December, 2008					

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Situation:

The audio output circuitry on the TV Demodulator board, part number 5063-1636 was found to be oscillating during the manufacturing process. One of the board modifications was to change capacitor C3, which changed from 100uF to 10uF. C3 was inserted backwards on the serial numbers specified above. If the capacitor breaks down, it will cause the audio portion of the TV output to fail, however it will not affect the testing of the TV signals. If the capacitor breaks down, it will also cause U2 to heat up.

Solution/Action:

Change both C3 and U2 if the serial number is within the range specified above to prevent the audio portion of the TV output from failing. See Fig. 1 for component locations.

