									E74	02A	-05
S	Е	R	V	Ι	С	Е	1	N	0	Т	Е
							SUPERSE	=DF	S NON	F	
E44	01B, E	E <b>4402B</b>	5. E440	3B, E	4404B.	E440	5B, E4407				
	,		·				Also E74(			·	
E74	03A, E	2 <b>7404</b> A	, and ]	E7405	SA EM	C Pre-	Compliar	nce	Analyz	ers.	
Into	rmitton	t scrac	n "flici	or" di	ue to a	cold s	older joint				
Inc						CUIU 3		•			
ESA	Spectru	m Analy	zer Seri	al Num	bers:						
	)1B-07		010101 /								
-	)2B-07		010101 /								
	)3B-06 )4B-06		010101 / 010101 /								
	)4B-06 )5B-06		010101 /								
	)7B-06		010101 /								
	)8B-06		010101 /								
E441	1B-07	US39	010101 /	US4024	41566						
EMC	C Analyz	ær Seria	l Numbe	rs:							
E740	)1A-05	US39	110101 /	US4024	40361						
	)2A-05		110101 /								
	)3A-05		110101 /								
	)4A-05		110101 /								
	)5A-05		110101 /								
To B	e Perfor	med By:	: Agilent	Service	e Centers	Only					
										Continue	ed
							DATE: Jar	nuai	y 2001		

# ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: MODIFICATION RECOMMENDED								
ACTION CATEGORY:	<ul> <li>IMMEDIATELY</li> <li>ON SPECIFIED FAILURE</li> <li>AGREEABLE TIME</li> </ul>	STANDARDS: LABOR 1.0 Hours						
LOCATION CATEGORY:	CUSTOMER INSTALLABLE	SERVICE       □       RETURN       USED       □       RETURN         INVENTORY:       ■       SCRAP       PARTS:       ■       SCRAP         □       SEE TEXT       □       SEE TEXT						
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: End of GMS period						
AUTHOR: BD	ENTITY: 5320	ADDITIONAL INFORMATION:						

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Agilent Technologies

#### **Parts Required:**

No specific part numbers, just the tools to take apart the ESA Front Frame assembly. You will also need scissors, solder, and a soldering iron.

#### Situation:

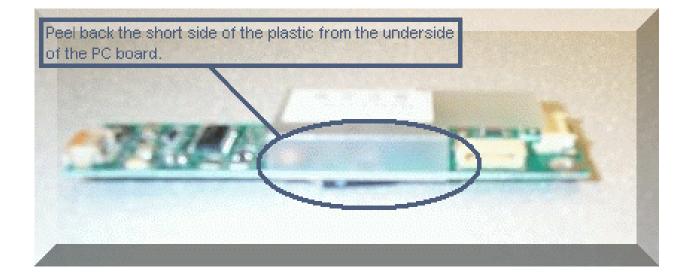
Instruments within the above serial range can experience an intermittent screen "flicker" due to a cold solder joint on pin 7 of the transformer on the backlight inverter board. The backlight inverter board attaches to the front panel interface board (A1A1) on the analyzer. The attached figures below in the Solution/Action section can be referenced on the procedure to use to correct for this problem.

The backlight inverter board and LCD display are procured together as an assembly from NEC. Manufacturing has troubleshot screen flicker issues to poor solder quality on pin 7 of the transformer on the backlight inverter board. NEC has been notified and an inspection process implemented in manufacturing to cure this problem.

#### **Solution / Action:**

If an ESA or EMC analyzer is returned and the fail description relates to a display problem (no display or intermittent "flicker"), Agilent Service Centers should remove the backlight inverter board and perform the following procedure:

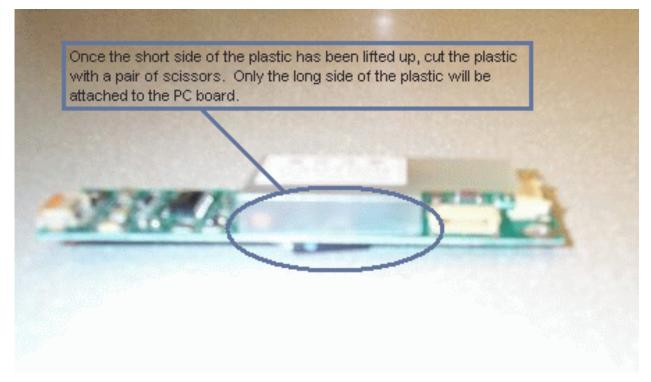
1) Peel back the plastic shield on the backlight inverter board. See Figure 1.



### Figure 1\_

2) Cut the plastic with a pair of scissors. See Figure 2.

Continued



## Figure 2

3) Re-solder pin 7 of the transformer on the backlight inverter board. See Figure 3.

