



SERVICE BULLETIN

Product: CRT MONITOR
Model: AN19J*, AN19L*, CA19J*

Bulletin No.: MON02-017 (02-C/M-E0101)
Bulletin Date: December 10, 2002
ECN Date: December 10, 2002

SUBJECT: Size Increases After Warm-up

Background: AN19JS, AN19LS, and CA19JS increase in size, by as much as 3mm after a warming up.

Cause: The root cause is the deflection processor IC reference voltage changing after the monitor warms up.

Solution: Change the component values following the chart below.

Application Date: December 12, 2002

ORIGINAL					NEW				
Model	Loc. No.	Part No.	Q'ty	Description	Part No.	Q'ty	Description	PCB P/C	PCB Ver.
AN19J*, L*, CA19J*	R310	2004-001226	1	750ohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	2004-001187	1	680ohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	R311	2004-001661	1	3Kohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	DELETE	-	-	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	R304	2004-001136	1	6.8Kohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	2001-000890	1	680.8Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	JP147	BH39-40305U	1	52mm, AWG22 (0.6PI)	2004-000268	1	120ohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	JP138	BH39-40305U	1	52mm, AWG22 (0.6PI)	DELETE	-	-	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	R412	2001-000429	1	1Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm	2004-000432	1	1Kohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	C406	2301-000004	1	2.2uF, 20%, 50V, GP, TP, 5x11, 5	2303-000001	1	2.2nf, 100V, 5%	BH41-00224A	MP2.1, MP3.0
AN19L*	C311	2401-000962	1	22uF, 20%, 50V, GP, TP, 5x11, 5	2305-000237	1	1uF, 5%, 63V, TP, 7.5x15.5mm, 5mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	C311	None	-	-	2305-000237	1	1uF, 5%, 63V, TP, 7.5x15.5mm, 5mm	BH41-00224A	MP2.1, MP3.0
AN19J*, L*, CA19J*	CIS	-	-	-	2004-004038	1	4.3Kohm, 1%, 1/4W, AA, TP, 2.4x6.4mm	BH41-00224A	MP2.1, MP3.0

*NOTE: Location No. CIS, refer to picture on page 2.

Add 4.3Kohm resistor (Parts Code 2004-004038) to the location shown below.

