

# AMPRO

## AMPRO (ESPRIT) TECHNICAL FIELD BULLETINS MASTER LOG

REVISED 10/96

300 - 1000 SERIES				
TFB#	SUBJECT	MODULE	DATE	EFFECTIVITY
E0001	PICTURE FLASHING	VIDEO / COMB FILTER	JUNE '88	PRIOR AUG. '88
E0001(A)	ADDITION TO TFB E0001	COMB FILTER	AUG. '88	PRIOR AUG. '88
E0002	VOID			
E0003	RELIABILITY MOD: IC2, R29	SMPS	AUG. '88	PRIOR SEPT. '88
E0004	OCCASIONAL FAILURE OF C37	HVPS	AUG. '88	3000/500/535 PRIOR SEPT. '88
E0005	CPU RELATED PROBLEMS	CPU	AUG. '88	300/500/535 PRIOR AUG. '88
E0006	CHANGE HORIZ. SWEEP REVERSE AND VERT. CENTERING PROCEDURES	MANUAL	JULY '89	700/1000 REV. D AND ABOVE
E0007	UPDATE INSTALLATION MANUAL, HORIZ. SWEEP REVERSE PROCEDURE	MANUAL (FEB. '89)	JULY '89	300/535 ALL
E0008	POSSIBILITY OF HV FAILURE WITH HORIZ. FREQUENCY CHANGES	HVPS	AUG. '89	700/1000 PRIOR SEPT. '89
E0009	ERRATIC SWITCHING OF S-VHS WITH NO INPUT	VIDEO	OCT. '89	300 REV. I / 535 REV. J / 700 REV. G / 1000 REV. F AND ALL SYSTEMS UPGRADED PRIOR OCT. '89
E0010	DECREASE RECOVERY TIME WHEN CHANGES OF HORIZ. FREQUENCIES ARE MADE	H.O.T. / HOTCON	OCT. '89	700 REV D & ↓ 1000 REV. D & ↓
E0011	CRT INTERNAL ARCING TROUBLE-SHOOTING PROCEDURE. CRT REMOVAL/REPLACEMENT PROCEDURE	HVPS / CRT / CRT AMP CARD	NOV. '89	PRIOR NOV. '89
E0012	ENSURE ARC PROTECTION OF THE ESPRIT SYSTEMS	ALL CRTs	FEB. '90	PRIOR FEB. '90

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E0013	VERTICAL COLLAPSE	VERT. DEFL.	FEB. '90	PRIOR MARCH '90
E0014	CRT CARD ARC PROTECTION	CRT CARDS	MARCH '90	700S/1000S MANUFACTURED FROM 8/89 - 3/90
E0015	+190V RAIL SET TO HIGH	SMPS	MARCH '90	700S/1000S MANUFACTURED FROM 8/89 - 3/90
E0016	EXTENDER CARD COMPATIBILITY	N/A	APRIL '90	ALL 300 / 500 / 535 / 700(S) / 1000(S) / 1700 / 2000
<b>1300-2000 SERIES</b>				
E0017	UPDATE EPROM VERSION 2.04	CPU	JUNE '90	1700/2000 W/V 2.03 OR ↓
E0018	UPDATE EPROM VERSION 2.07 AND TEXT PROMS	CPU	SEPT. '90	1700/2000 W/V 2.06 OR ↓
E0019	ADD RFI FILTER, FCC LABEL, UPDATE MANUAL	SMPS	OCT. '90	1300 / 1310 / 1500 / 1700 / 2000 WEEK 41 OR ↓
E0020	VOID			
E0021	UPDATE EPROM WITH VERSION 1.04	CPU	NOV. '90	1300 / 1310 / 1500 W/ V 1.03 OR ↓
E0022	IMPROPER PHASING OPERATION	HORIZ. DEFL.	MARCH '91	1700 / 2000 PRIOR MARCH '91
E0023	POSSIBILITY OF SWEEP BURNS CRTS. REPLACE R80 OR R98 W/ METAL OXIDE RESISTOR	VERT. DEFL.	SEPT. '91	1700 / 2000 PRIOR AUG. '91
<b>2000D/G-4200 SERIES</b>				
E0023	POSSIBILITY OF SWEEP BURNS CRTS. REPLACE R80 OR R98 W/ METAL OXIDE RESISTOR	VERT. DEFL.	SEPT. '91	2000 - 4000 D/G PRIOR AUG. '91
E0024	STATIC SHIFT (REGISTRATION) DURING SYSTEM OPERATION (ADD GROUND WIRES)	CRTs	AUG. '92	2000 - 4000 D/G PRIOR JULY '92

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<b>2000-4200 SERIES</b>				
<b>TFB #</b>	<b>SUBJECT</b>	<b>MODULE</b>	<b>DATE</b>	<b>EFFECTIVITY</b>
E0025	ESPRIT 4200: INCREASE AC LINE FUSE FROM: 5 AMP SLO-BLO TO: 6 AMP SLO-BLO (MANUFACTURING ERROR)	SMPS (LINE FILTER)	NOV. '92	4200 PRIOR NOV. '92
E0026	EDGE TRAILING AFTER BLACK TEXT ON WHITE BACKGROUND (REVERSE VIDEO)	CRT CARDS	FEB. '93	2000/3000/4000/4200 PRIOR WEEK 8, '93
E0027	INABILITY TO SYNCHRONIZE VERTICALLY WITH LOW LEVEL VERTICAL SYNC INPUTS (IN-LINE SCAN DOUBLERS)	SYNC SELECT BOARD (80998)	MARCH '93	1500Digital (REV. K) 2000D/G (REV. K) 3000D/G (REV. F) 4000D/G (REV. K) 4200 (REV. B)
E0028	DECREASE NOISE IN THE PROJECTED IMAGE RELATED TO THE VERTICAL DEFLECTION.	VERTICAL DEFL. (REPLACE)	MARCH '93	ALL PRIOR APRIL '93
E0029	FLASHING OR BRIGHTNESS OSCILLATION AT THE TOP 1/4 OF THE PROJECTED IMAGE WITH CERTAIN VIDEO SCENES AND BRIGHTNESS/CONTRAST SETTINGS	HVPS (REPLACE)	MARCH '93	4200 ALL EXHIBITING SUBJECT
E0030	HOOK AT TOP OF PROJECTED IMAGE AT HIGH SCAN RATES DUE TO KEYSTONE/PHASING INTERACTION	SYNC SELECT 80998 HORIZ. DEFL. 80732, 80762, 80843	MARCH '93	1500 / 2000 / 3000 / 4000 / 4200 PRIOR MARCH '93
E0031	INCREASE MAIN AC LINE FUSE 110Vac: 6 AMP TO: 8 AMP 220Vac: 3 AMP TO: 4 AMP	AC LINE FILTER (MAIN FUSE)	MARCH '93	ALL 4200 AND 2300
E0032	INABILITY TO OPERATE WITH TRI-LEVEL SYNC SIGNALS ASSOCIATED WITH HDTV	ANALOG RGB BD. W/80988 SYNC BD. REPLACE WITH ANALOG RGB1 BD. W/81118 SYNC BD.	APRIL '93	ALL EXCEPT 2300

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<b>2000-4200 SERIES</b>				
<b>TFB #</b>	<b>SUBJECT</b>	<b>MODULE</b>	<b>DATE</b>	<b>EFFECTIVITY</b>
E0033	VERTICAL JUMPING DUE TO COPY PROTECTED TAPES.	2000 /4000 / 3000/4200 QVD (80779) 2300 QVD(81083)	MAY '93	ALL 2000 / 2300 / 4000/ 3000/ 4200 MANUFACTURED PRIOR JUNE '93
E0034	SYSTEM WILL GO INTO BEAM CURRENT LIMIT UNEXPECTEDLY	REPLACE RGB1 MODULE (80968)	MAY '93	2300: ALL MANUFACTURED PRIOR JUNE '93
E0035	AUTOLOCK NOT DISABLED IN VIDEO 1 MODE	H.O.T. CONTROL BD.	MAY '93	2300: ALL MANUFACTURED PRIOR JUNE '93
E0036	(1) BLACK HORIZONTAL LINE MOVING VERTICALLY IN THE PROJECTED IMAGE (2) 220VAC OPERATION: POSSIBLE FAILURE OF HORIZ. PWR SUPPLY WHEN PS1 (FOCUS MODULATOR) FAILS	(1) MOTHER BOARD  (2) FOCUS MOD (80970)	SEPT. '93	2300: B230033101 THRU B230033599
E0037	(1) BLACK HORIZONTAL LINE MOVING VERTICALLY IN THE PROJECTED IMAGE (2) 220VAC OPERATION: POSSIBLE FAILURE OF HORIZ. PWR SUPPLY WHEN PS1 (FOCUS MODULATOR) FAILS	(1) MOTHER BOARD  (2) FOCUS MOD (80970)	SEPT. '93	ALL 4200 SYSTEMS WITH SERIAL # 'S BETWEEN C420033101 AND C420033599
E0038	PREVENTING ELECTROSTATIC DISCHARGE "ESD"	N/A	OCT. '93	ALL SYSTEMS
E0039	REDUCE NOISE IN PROJECTED IMAGE. NOTE: 2300 REFER TO TFB E0040	VERTICAL DEFL. (80986)	JAN. '94	ALL 2000/2300/4200 MANUFACTURED PRIOR JAN. '94
E0040	REDUCE NOISE IN PROJECTED IMAGE	HORIZ. POWER (81047)	JAN. '94	ALL 2300s MANUFACTURED PRIOR JAN. '94
E0041	DECONTAMINATION OF LIQUID-COUPLED CRTs	7"/8"/9" CRT SYSTEMS	MAR. '94	ALL LIQUID-COUPLED SYSTEMS WITH CONTAMINATED CRTs.

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<b>2000 - 4300 SERIES</b>				
TFB #	SUBJECT	MODULE	DATE	EFFECTIVITY
E0042	F2 (SMPS) IS UNDERRATED AND MAY FAIL.	SMPS	MAR. '95	4300: REVISION "D"
* AT THIS POINT THE "E" DESIGNATION IN THE TFB NUMBER HAS BEEN DROPPED *				
0043	HDTV APPLICATIONS: UNABLE TO REDUCE HEIGHT SUFFICIENTLY FOR HDTV APPLICATIONS (16:9)	VERTICAL DEFL. MODULE	MAR. '95	3300: A33040101 THRU A33041799 4300: A43040101 THRU A43041699 AND A43HD40101 THRU A43HD41699
0044	F8 (+40V) FUSE IS UNDERRATED	SMPS	MAR. '95	3300: A33040101 THRU A33042199 AND A33HD40101 THRU A33HD42199 3300 RETRO: A33LR40101 THRU A33LR42199 3300 MODULE: A330M40101 THRU A330M2199 4300: A43040101 THRU A43041699 AND A43HD40101 THRU A43HD41699
0045	IMPROVE GRAYSCALE TRACKING CAPABILITIES.	CRT CARD(S)	MAR. '95	2300: "ALL"
0046	INSUFFICIENT MASTER VERTICAL SHIFT RANGE	VERTICAL DEFL. MODULE	MAR. '95	3300: A33040101 THRU A33042599 AND A33HD40101 THRU A33HD42599  3300 RETRO: A33LR40101 THRU A33LR42599  3300 MODULE: A330M40101 THRU A330M42599  4300: A43040101 THRU A43042799 AND A43CM40101 THRU A43CM42799 AND A43HD40101 THRU A43HD42799
0047	KEystone DISTORTION @ 86kHz, FRONT/TABLE	H.O.T. MODULE	MAR. '95	2000G: P200G44599 AND ↓ 4200: ALL

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<b>2000 - 4600 SERIES</b>				
<b>TFB#</b>	<b>SUBJECT</b>	<b>MODULE</b>	<b>DATE</b>	<b>EFFECTIVITY</b>
0048	SYSTEMS GO INTO BEAM CURRENT PREMATURELY	RGB MODULE	MAR. '95	<b>3300 RETRO:</b> A33LR42101 THRU B33LR50499 <b>3300 MODULE:</b> A330M41901 THRU A330M50499
0049	DIFFICULTIES WITH LEFT BLANKING	CRT CARD(S)	APR. '95	<b>3300 RETRO:</b> A33LR42101 THRU B33LR50499 <b>3300 MODULE:</b> A330M41901 THRU A330M50499
0050	F2 AND F5 WRONG VALUES	SMPS	APR. '95	<b>3300 SERIES:</b> (F2) E33__50899 AND ↓ (F5) E33__51399 AND ↓ <b>4300 SERIES:</b> (F2) F43__50899 AND ↓ (F5) F43__51399 AND ↓
0051	ENHANCE CRT AMPLIFIER CARDS RELIABILITY	CRT CARDS	APR. '95	ALL 2000/3000/4000/4200
0052	CPU HANDLING ADVISEMENT	CPU	APR. '95	ALL SYSTEMS
0053	CRT CARDS/Q5 & Q6 MOUNTING	CRT CARDS	NOV. '95	<b>3600/4600:</b> ALL MANUFACTURED BETWEEN JAN. '95 AND MAY '95
0054	ELIMINATION OF REGISTRATION LINE IN PROJECTED IMAGE	N/A -	JULY '96	<b>ALL MODELS WITH CONVERGENCE ON GREEN</b>
0055	HIGH VOLTAGE POWER SUPPLY PLUG CONFIGURATION	HVPS	OCT. '96	<b>3600/HD-3600:</b> REVISION A,B,C AND D