



Display

Broadcast Products Technical Bulletin 20-2004-070

DATE: March 22, 2004

SUBJECT: CAPACITOR REPLACEMENT PACK

MODEL: *BKM-2085-14*
BKM-2085-14/1
BKM-2085-14/2
BKM-2085-14/3
BKM-2085-14/4
BKM-2085-20
BKM-2085-20/1
BKM-2085-20/3
BKM-2085-20/4
BKM-2090-14
BKM-2090-14/4
BKM-2090-14/7
BKM-2090-20
BKM-2090-20/4
BKM-2090-20/7

SERIAL NO: ALL

Italicized information in green applies to customers outside the United States.

DESCRIPTION

Electrolytic capacitors on the following boards and switching power supply units may leak after a number of years.

Description	Part No.
BA3 Board	A-1135-662-A
BU Board (BKM-2090)	A-1135-663-A
BV1 Board (BKM-2085)	A-1135-667-A
BV2 Board (BKM-2085)	A-1130-942-A
SW Power Supply (-14)	1-413-639-11
SW Power Supply (-20)	1-413-615-11

To prevent problems from capacitor leakage, replace the power supply units and capacitors, as described in the following modification procedure.

PARTS REQUIRED

Part No.	Description	Qty.
A-1604-369-A	Capacitor Replacement Pack*	1
1-413-553-11	SW Power Supply (-14 units only)	1
1-413-595-11	SW Power Supply (-20 units only)	1

* See Table 1 for specific capacitors contained in the pack.

ORDERING INFORMATION

To order upgrades or for regional service center and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 001999000

Table 1. Contents of Capacitor Replacement Pack

Capacitor	Part No.	Quantity
1 μ F/50V	1-126-193-11	3
4.7 μ F/35V	1-126-603-11	2
10 μ F/16V	1-124-779-00	50
47 μ F/16V	1-126-204-11	40
100 μ F/16V	1-117-681-11	45

MODIFICATION PROCEDURE

1. Replace the following switching power supply units with new power supply units.

Description	Former Part No.	New Part No.
SW Power Supply (-14)	1-413-639-11	1-413-553-11
SW Power Supply (-20)	1-413-615-11	1-413-595-11

2. Replace the electrolytic capacitors in Tables 2 and 3 with new capacitors from the replacement pack.

Model	Table
BKM-2085	2
BKM-2090	3

NOTE: As an alternative, you can replace the following boards with new boards, rather than replace the capacitors.

Model	Board	Part No.
BKM-2085	BA3	A-1135-662-A
	BV1	A-1135-667-A
	BV2	A-1130-942-A
BKM-2090	BA3	A-1135-662-A
	BU	A-1135-663-A

Table 2. BKM-2085

Board	Capacitor Ref. No.	Capacitance	Part No.
BA3 (Suffix -11)	C706, 713	1 μ F/50V	1-126-193-11
	C707	4.7 μ F/35V	1-126-603-11
	C5, 6, 7, 10, 33, 43, 102, 111, 114, 202, 211, 214, 302, 305, 311, 314, 402, 411, 414, 502, 511, 514, 602, 611, 614, 708, 714	10 μ F/16V	1-124-779-00
	C1, 2, 4, 31, 32, 41, 42, 105, 205, 505, 704	47 μ F/16V	1-126-204-11
BA3 (Suffix -12) (Suffix -13) (Suffix -14)	C706, 713	1 μ F/50V	1-126-193-11
	C707	4.7 μ F/35V	1-126-603-11
	C5, 6, 7, 10, 102, 202, 302, 305, 402, 502, 602, 708, 714	10 μ F/16V	1-124-779-00
	C1, 2, 4, 105, 205, 505, 704	47 μ F/16V	1-126-204-11
	C31, 32, 33, 41, 42, 43, 51, 61, 111, 114, 211, 214, 311, 314, 411, 414, 511, 514, 611, 614	100 μ F/16V	1-117-681-11
BV1 (Suffix -11)	C103, 104, 203, 204, 310, 313	10 μ F/16V	1-124-779-00
	C301, 302, 303, 304, 305, 306, 307, 308, 309, 311, 312, 314, 401, 402	47 μ F/16V	1-126-204-11
BV1 (Suffix -12) (Suffix -13)	C103, 104, 203, 204	10 μ F/16V	1-124-779-00
	C301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 401, 402	100 μ F/16V	1-117-681-11
BV2	C1, 2, 35, 36, 37, 54, 55, 56, 57, 62, 63, 64, 82, 83, 84	10 μ F/16V	1-124-779-00
	C22, 31, 33, 50, 52, 61, 81, 103, 111, 203, 211, 303, 311	47 μ F/16V	1-126-204-11

Table 3. BKM-2090

Board	Capacitor Ref. No.	Capacitance	Part No.
BA3 (Suffix -11)	C706, 713	1 μ F/50V	1-126-193-11
	C707	4.7 μ F/35V	1-126-603-11
	C5, 6, 7, 10, 33, 43, 102, 111, 114, 202, 211, 214, 302, 305, 311, 314, 402, 411, 414, 502, 511, 514, 602, 611, 614, 708, 714	10 μ F/16V	1-124-779-00
	C1, 2, 4, 31, 32, 41, 42, 105, 205, 505, 704	47 μ F/16V	1-126-204-11
BA3 (Suffix -12) (Suffix -13) (Suffix -14)	C706, 713	1 μ F/50V	1-126-193-11
	C707	4.7 μ F/35V	1-126-603-11
	C5, 6, 7, 10, 102, 202, 302, 305, 402, 502, 602, 708, 714	10 μ F/16V	1-124-779-00
	C1, 2, 4, 105, 205, 505, 704	47 μ F/16V	1-126-204-11
	C31, 32, 33, 41, 42, 43, 51, 61, 111, 114, 211, 214, 311, 314, 411, 414, 511, 514, 611, 614,	100 μ F/16V	1-117-681-11
BU	C103, 203, 305, 306, 307, 314, 505, 605, 702	10 μ F/16V	1-124-779-00
	C104, 204, 301, 302, 303, 304, 308, 309, 310, 311, 312, 313, 315, 316, 401, 501, 502, 503, 504, 601, 602, 603, 604, 701, 703	47 μ F/16V	1-126-204-11