

# HITACHI

Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: POWER SUPPLY  
Fault: DEAD- C108 EXPLODED.  
Symptom: C108 EXPLODED  
Cause: FAULTY CAPACITOR C108  
Cure: REPLACE CAPACITOR C108.  
C108 PART NO. 025T011F



Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: HORIZONTAL STAGE  
Fault: SET DEAD, Q802 U/S  
Symptom: MONITOR DEAD, CHECKS REVEAL  
Q802 FAULTY.  
Cause: EXCESSIVE +B APPLIED TO Q802 IF  
HORIZONTAL FREQUENCY OF MORE THAN 64K  
IS RECEIVED.  
Cure: REPLACE Q802 AND CHECK R422.  
THEN CARRY OUT THE FOLLOWING CHANGES  
CONT. . . .  
ON THE MICRO PRECESSOR PCB  
1. ADD RESISTOR 10K 1/16W ACROSS R235  
PT/NO 0187089.  
2. REMOVE RESISTOR R223.  
3. THE ANODE OF D207 SHOULD BE ALTERED  
TO GO TO PIN 15 OF CN202, BY CUTTING  
THE TRACK AND ADDING A WIRE LINK.  
BE SURE TO HOT MELT THE LINK IN PLACE.  
4. THE 12V SUPPLY TO PIN 8 OF U206  
MUST BE CHANGED TO THE +8V SUPPLY. CUT  
THE PRINT AT PIN 8 ENSURING THAT C235  
IS STILL CONNECTED TO THAT PIN. ADD A  
WIRE LINK TO THE +8V SUPPLY AND HOT  
MELT IN PLACE.  
CONT. . . . .



Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: HORIZONTAL STAGE  
Fault: SET DEAD, Q802 U/S  
5. ADD A CAPACITOR 47uF 16V ACROSS  
RESISTOR R213. PT/NO 0254504  
MONITORS WITH THIS MODIFICATION FITTED  
ALREADY WILL BE MARKED WITH A RED DOT  
ON THE PRODUCT LABEL ON THE REAR OF  
THE MONITOR.



Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: PART NUMBER CHANGES  
Fault: CHANGE OF TILT BASE & COVER  
SECTION: XXX CABINET ASSEMBLY

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CONDITION: 1  
Symptom: 185  
DEFECT: E DEFORMED  
REPAIR: A WHEN REPLACING TILT  
BASE OR BACK COVER REPLACE THEM  
AS A PAIR . NEW PARTS ARE NOT  
COMPATIBLE WITH OLD PARTS.  
PART NUMBERS: BACK COVER 385T032  
TILT BASE 393T102

Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: SYSTEM CONTROL  
Fault: PICTURE SHIFTS TO THE LEFT  
Symptom: PICTURE IMAGE SHIFTS TO THE  
LEFT WHEN MONITOR IS WARM  
Cause: POOR TEMPERATURE STABILITY OF  
CAPACITOR.  
Cure: CHECK C219 ON THE MPU PWB. IF IT  
IS BROWN IN COLOUR THEN THE FOLLOWING  
CHANGES SHOULD BE CARRIED OUT  
..... CONT

Model: CM1587ME 15" Colour Monitor 30-64KHz

Subject: SYSTEM CONTROL  
Fault: PICTURE SHIFTS TO THE LEFT  
CHANGE C219 FROM 2200pF POLYPROPYLENE  
TO 2200pF POLYESTER PART No 088T025R  
FOLLOWING THIS CHANGE CHECK THE  
ADJUSTMENT OF VR201 AS FOLLOWS:  
INPUT 56A SIGNAL WITH REVERSE CROSS  
HATCH PATTERN.  
..... CONT  
CONNECT A VOLTMETER ACROSS R213 ON MPU  
PWB AND NOTE THE VOLTAGE AS  $V_o$ . THEN  
CONNECT THE METER ACROSS C222, AND  
ADJUST VR201 TO ACHIEVE A VOLTAGE OF  
 $V_o + 0.59V (+0.05V / -0V)$ .  
MAKE FINAL CHECKS THAT THE MONITOR IS  
OPERATING CORRECTLY USING 30C AND 64E  
SIGNAL AND THAT INPUTTING A 70A SIGNAL  
PUTS THE MONITOR INTO POWER SAVE MODE

Model: CM1711MET 17" Colour Monitor with TC0

Subject: PART NUMBER CHANGES  
Fault: FLYBACK TRANSFORMER PART NUMBER  
Symptom: INCORRECT PART NUMBER FOR  
FLYBACK TRANSFORMER  
Cause: PRINTING ERROR  
Cure: THE CORRECT PART NUMBER FOR THE  
FLYBACK TRANSFORMER IS JBW00501

Model: CM2111ME 21" Monitor 95KHZ 1600x1200

Subject: POWER SUPPLY  
Fault: POWER SUPPLY UNIT CIRCUIT CHANGE.  
Symptom: PSU CIRCUIT CHANGE.  
Cause: CIRCUIT IMPROVEMENT.  
Cure: NEW SUB PWB (POWER SUB- 3) HAS BEEN  
ADDED CONTAINING R99E & R99F, 0. 68R  
RESISTORS. CHANGE EFFECTIVE FROM -  
CM2111ME- 302 SER. NO. G5\*000001  
CM2112MET- 301 SER. NO. G5\*000271  
CM2112MET- 302 SER. NO. G5\*000161. (CONT. )

Model: CM2111ME 21" Monitor 95KHZ 1600x1200

Subject: POWER SUPPLY  
Fault: POWER SUPPLY UNIT CIRCUIT CHANGE.  
PART NOS. AS BELOW -  
R99E, 0. 68R, 15W, PT. NO. 0147803.  
R99F, 0. 68R, 15W, PT. NO. 0147803.  
E99A, CONNECTOR, PT. NO. 2998588.  
E999, 3P PLUG, PT. NO. 2903543.  
PWB SPACER, PT. NO. 3734392.  
POW MFG METAL, PT. NO. KT00043.  
PWB- C97A VIDEO(POWER SUB- 3)  
PT. NO. JK01915.

Model: CM2111MET 21" 1600x1200 Monitor with TCO

Subject: HORIZONTAL STAGE  
Fault: EHT SUPPLY CIRCUIT CHANGE.  
Symptom: EHT SUPPLY CIRCUIT CHANGE.  
Cause: CIRCUIT IMPROVEMENT.  
Cure: NEW SUB PWB (POWER SUB- 3) HAS BEEN  
ADDED CONTAINING R99E & R99F, 0. 68R  
RESISTORS. CHANGE EFFECTIVE FROM -  
CM2112MET- 303 SER. NO. G5\*000001.  
CM2111MET- 301 SER. NO. G5\*000001.  
SEE OVER.  
ADDED PART NOS. AS BELOW -  
R99E, 0. 68R, 15W, PT. NO. 0147803.  
R99F, 0. 68R, 15W, PT. NO. 0147803.  
E99A, CONNECTOR, PT. NO. 2998588.  
E999, 3P PLUG, PT. NO. 2903543.  
PWB SPACER, PT. NO. 3734392.  
POW MFG METAL, PT. NO. KT00043.  
T750, FBT, HFL1530LD- RC, PT. NO. BW00531.  
PWB- C97A VIDEO(POWER SUB- 3),  
PT. NO. JK01915. SEE OVER.  
Q754, TRANSISTOR, 2SC4490- AN(R, T)  
PT. NO. CF00112R.  
C757, CAPACITOR, CE 4. 7MF, 50V,  
PT. NO. 0258107.

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C758, CAPACITOR, CQ 0.033MF, 50V,  
PT. NO. 0880051.  
SIDE SHIELD, METAL, PT. NO. NQ00183.  
LEAD CLAMPER, PT. NO. 3734532.  
SCREW, M3X8, QTY. 2, PT. NO. 4522881.  
SEE OVER.

Model: CM2111MET 21" 1600x1200 Monitor with TCO

Subject: HORIZONTAL STAGE  
Fault: EHT SUPPLY CIRCUIT CHANGE.  
SHIELD PLATE, TCO, PT. NO. ME00451.  
SCREW, M3X8, QTY2, PT. NO. 4319361.  
SEE ATTACHED FIGS. 1-6.

Model: CM2111MET 21" 1600x1200 Monitor with TCO

Subject: PART NUMBER CHANGES  
Fault: PART NUMBER FOR CRT  
SECTION: CRT  
CONDITION: 1  
SYMPTOM 18X ESTABLISHMENT OF PT#  
DEFECT: A  
REPAIR: A PART NUMBER FOR CRT  
IS DE00851

Model: CM2112MET 21" monitor 107KHz 1600x1200

Subject: POWER SUPPLY  
Fault: POWER SUPPLY UNIT CIRCUIT CHANGE.  
Symptom: PSU CIRCUIT CHANGE.  
Cause: CIRCUIT IMPROVEMENT.  
Cure: NEW SUB PWB (POWER SUB-3) HAS BEEN  
ADDED CONTAINING R99E & R99F, 0.68R  
RESISTORS. CHANGE EFFECTIVE FROM -  
CM2111ME-302 SER. NO. G5\*000001  
CM2112MET-301 SER. NO. G5\*000271  
CM2112MET-302 SER. NO. G5\*000161. (CONT.)  
PART NOS. AS BELOW: -  
R99E, 0.68R, 15W, PT. NO. 0147803.  
R99F, 0.68R, 15W, PT. NO. 0147803.  
E99A, CONNECTOR, PT. NO. 2998588.  
E999, 3P PLUG, PT. NO. 2903543.  
PWB SPACER, PT. NO. 3734392.  
POW MFG METAL, PT. NO. KT00043.  
PWB- C97A VIDEO (POWER SUB-3)  
PT. NO. JK01915.

Model: CM2112MET 21" monitor 107KHz 1600x1200

Subject: HORIZONTAL STAGE  
Fault: EHT SUPPLY CIRCUIT CHANGE.  
Symptom: EHT SUPPLY CIRCUIT CHANGE.

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**Cause:** CIRCUIT IMPROVEMENT.

**Cure:** NEW SUB PWB (POWER SUB- 3) HAS BEEN ADDED CONTAINING R99E & R99F, 0. 68R RESISTORS. CHANGE EFFECTIVE FROM - CM2112MET- 303 SER. NO. G5\*000001. CM2111MET- 301 SER. NO. G5\*000001.

SEE OVER.

ADDED PART NOS. AS BELOW -

R99E, 0. 68R, 15W, PT. NO. 0147803.

R99F, 0. 68R, 15W, PT. NO. 0147803.

E99A, CONNECTOR, PT. NO. 2998588.

E999, 3P PLUG, PT. NO. 2903543.

PWB SPACER, PT. NO. 3734392.

POW MFG METAL, PT. NO. KT00043.

T750, FBT, HFL1530LD- RC, PT. NO. BW00531.

PWB- C97A VIDEO(POWER SUB- 3),

PT. NO. JK01915. SEE OVER.

Q754, TRANSISTOR, 2SC4490- AN(R, T)

PT. NO. CF00112R.

C757, CAPACITOR, CE 4. 7MF, 50V,

PT. NO. 0258107.

C758, CAPACITOR, CQ 0. 033MF, 50V,

PT. NO. 0880051.

SIDE SHIELD, METAL, PT. NO. NQ00183.

LEAD CLAMPER, PT. NO. 3734532.

SCREW, M3X8, QTY. 2, PT. NO. 4522881.

SEE OVER.

SHIELD PLATE, TCO, PT. NO. ME00451.

SCREW, M3X8, QTY2, PT. NO. 4319361.

SEE ATTACHED FIGS. 1- 6.

Model: CM2112MET 21" monitor 107KHz 1600x1200

Subject: PART NUMBER CHANGES

Fault: ESTABLISHMENT OF CRT PT#

SECTION: CRT

CONDITION: 1

Symptom: 18X ESTABLISH CRT PT#

DEFECT: Z

REPAIR: M PT# FOR CRT IS DE00891

TYPE M51LER470X68

Model: CM2198ME 21" Monitor 30- 85KHZ

Subject: PART NUMBER CHANGES

Fault: PART NUMBER FOR CDT ASSY

Symptom: MODEL CM2198ME HAS BEEN

UPDATED TO CM2198MET.

Cause: PRODUCTION IMPROVEMENTS.

Cure: THE SERVICE MANUAL FOR CM2198ME

COVERS THE CM2198MET. THE CDT ASSY IS THE DIFFERENCE BETWEEN THE TWO.

PART NUMBER FOR CDT ASSY : UX00311

# HITACHI

Model: CM500ET 15"/348MM(V), 69KHZ, TC095

Subject: VERTICAL STAGE  
Fault: HORIZONTAL LINES ON THE SCREEN  
SECTION: DFL  
CONDITION: 1  
Symptom: 340 HORIZONTAL LINES AT  
TOP AND BOTTOM OF  
SCREEN  
DEFECT: A FAULTY CAPACITOR

Model: CM500ET 15"/348MM(V), 69KHZ, TC095

Subject: VERTICAL STAGE  
Fault: HORIZONTAL LINES ON THE SCREEN  
REPAIR: A CHANGE C602 0.22uF 100V  
PT# CY224H521

Model: CM500ET 15"/348MM(V), 69KHZ, TC095

Subject: SERVICE INFORMATION  
Fault: REPLACEMENT OF CRT  
Symptom: REPLACEMENT OF CRT  
Cause: TOSHIBA AND HITACHI TUBES ARE  
USED ON MODEL CM500ET.  
Cure: IT'S IMPORTANT THAT THE NECESSA-  
RY CHANGES ARE MADE WHEN FITTING  
A DIFFERENT MAKE OF CRT TO THE  
ORIGINAL ONE. THE TUBE BASE CAN BE  
IDENTIFIED BY A STICKER IN THE CORNER  
OF THE TUBE BASE PCB. H FOR THE HITACHI  
CRT AND T FOR THE TOSHIBA CRT,  
HITACHI CRT TOSHIBA CRT  
R771 VALUE 0R5 2W 2R2 2W  
G2 VOLTAGE 500V 550V

Model: CM500ET 15"/348MM(V), 69KHZ, TC095

Subject: SERVICE INFORMATION  
Fault: DIFFERENCES BETWEEN CM500ET&CM500ES  
MODELS CM500ET AND CM500ES  
CM500ES IS SIMILAR TO CM500ET BUT IS  
EQUIPPED WITH SPEAKERS FOR MULTIMEDIA  
APPLICATIONS.  
PLEASE CONTACT HITACHI TECHNICAL IF  
FURTHER SERVICE INFORMATION IS REQUIR-  
ED QUOTING IB687.

Model: CM630ET 17"/404MM(V), 86KHZ, TC095 HCONT

Subject: POWER SUPPLY  
Fault: VGA JITTER IMPROVEMENT  
SECTION: PSU/DFL

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CONDITION: 1  
Symptom: 185 JITTER IMPROVEMENT  
DEFECT: Z  
REPAIR: A CUT PRINT BETWEEN PIN 10 AND  
PIN 13 OF IC U107. ADD WIRE LINK  
BETWEEN PIN 4 AND PIN 10 OF IC U107.  
ADD10nF 50V CAPACITOR BETWEEN PIN 3  
AND PIN 11 OF IC U402.  
PART # 10nF 50C CAPACITOR 0880044

Model: CM630ET 17" /404MM(V), 86KHZ, TC095 HCONT

Subject: HORIZONTAL STAGE  
Fault: VGA JITTER IMPROVEMENT  
SECTION: PSU/DFL  
CONDITION: 1  
Symptom: 185 JITTER IMPROVEMENT  
DEFECT: Z  
REPAIR: A CUT PRINT BETWEEN PIN 10 AND  
PIN 13 OF IC U107. ADD WIRE LINK  
BETWEEN PIN 4 AND PIN 10 OF IC U107.  
ADD10nF 50V CAPACITOR BETWEEN PIN 3  
AND PIN 11 OF IC U402.  
PART # 10nF 50C CAPACITOR 0880044

Model: CM641ET 17" 31-95kHz colour monitor

Subject: HORIZONTAL STAGE  
Fault: SET DEAD. Q731 SHORT CIRCUIT  
SECTION: DFL LINE DEFLECTION  
CONDITION: 1  
Symptom: 111 NO POWER  
DEFECT: Q Q731 SHORT CIRCUIT  
REPAIR: A REPLACE Q731 AND CARRY OUT  
FOLLOWING CIRCUIT CHANGES.  
REPLACE Q731, 2SK1794. CHANGE C754 FROM  
47uF 25V TO 100uF 25V. CHANGE C757 FROM  
100nF TO 22nF. CHANGE C946 FROM 220uF  
TO 33uF. DELETE D708.  
PART NUMBERS.  
Q731 2SK1794 231M09  
C754 0800051R  
C757 0893018R  
C946 0254517R

Model: CM641ET 17" 31-95kHz colour monitor

Subject: HORIZONTAL STAGE  
Fault: SET DEAD, Q714 SHORT CIRCUIT  
SECTION: DFL  
CONDITION: 1  
Symptom: 111 NO POWER  
DEFECT: Q Q714 AND/ OR Q702 SHORT

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CIRCUIT.

REPAIR: A REPLACE Q714/ Q702 . RESOLDER  
CRYSTAL X101. BEND CRYSTAL X101 LEADS  
SO THAT THE CRYSTAL DOES NOT TOUCH THE  
BEZEL.

PART # Q702 231M012  
Q714 CF01981

Model: CM751ET 19" Monitor (Japan)

Subject: PART NUMBER CHANGES

Fault: DIFFERENCES BETWEEN CM751ET & 752ET  
PLEASE NOTE MODELS CM751ET AND CM752ET  
ARE IDENTICAL EXCEPT FOR THE FOLLOWING  
DIFFERENCES.

- (1) LOGO ON THE FRONT
- (2) HORIZONTAL SCAN FREQUENCY:  
ON CM751ET 31KHZ TO 93KHZ  
ON CM752ET 31KHZ TO 101KHZ

PART NUMBER FRONT BEZELIS:

CM751ET PART # QD05185

CM752ET PART # QD05561

Model: CM752ET 19" Colour Monitor

Subject: PART NUMBER CHANGES

Fault: DIFFERENCES BETWEEN CM751ET & 752ET  
PLEASE NOTE MODELS CM751ET AND CM752ET  
ARE IDENTICAL EXCEPT FOR THE FOLLOWING  
DIFFERENCES.

- (1) LOGO ON THE FRONT
- (2) HORIZONTAL SCAN FREQUENCY:  
ON CM751ET 31KHZ TO 93KHZ  
ON CM752ET 31KHZ TO 101KHZ

PART NUMBER FRONT BEZELIS:

CM751ET PART # QD05185

CM752ET PART # QD05561

Model: CM802E 21" colour display monitor

Subject: VERTICAL STAGE

Fault: VERTICAL JITTER

SECTION: VPA VIDEO PROCESSING  
CONDITION: 1

Symptom: 353 PICTURE JITTER

DEFECT: Y C69A 3300pF

REPAIR: A REPLACE C69A WITH  
8200pF PT# J0880043R

Model: CM802E 21" colour display monitor

Subject: HORIZONTAL STAGE

Fault: LINE O/P TRANSISTOR Q764 SHORT CCT



# HITACHI

SECTION: DFL  
CONDITION: 1  
Symptom: 111 NO POWER  
DEFECT: Q SHORT CIRCUIT  
REPAIR: A REPLACE Q764 AND CARRY OUT FOLLOWING CIRCUIT CHANGES. CHANGE C996 FROM 1uF to 2200uF 10V. CHANGE C714 FROM 470uF 10V TO 2200uF 10V. REPOSITION I992 SO THAT IT IS TILTED AWAY FROM C996 (APPROX. 30 DEGREES TO VERTICAL AXIS)  
PART NUMBERS: C714/C996 0800366  
Q764 JCF00831F

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Model: CM802E 21" colour display monitor

Subject: PART NUMBER CHANGES  
Fault: ESTABLISHMENT OF CRT PART #  
SECTION: CRT  
CONDITION: 1  
Symptom: 38X ESTABLISHMENT OF CRT PT#  
DEFECT: Z  
REPAIR: A CRT PART # IS LUX02063  
ONLY APPLIES TO CM802E/ET CM803ET-302

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Model: CM803ET 21" COLOUR MONITOR 75HZ

Subject: VERTICAL STAGE  
Fault: VERTICAL JITTER  
SECTION: VPA VIDEO PROCESSING  
CONDITION: 1  
Symptom: 353 PICTURE JITTER  
DEFECT: Y C69A 3300pF  
REPAIR: A REPLACE C69A WITH 8200pF PT# J0880043R

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Model: CM803ET 21" COLOUR MONITOR 75HZ

Subject: HORIZONTAL STAGE  
Fault: LINE O/P TRANSISTOR Q764 SHORT CCT  
SECTION: DFL  
CONDITION: 1  
Symptom: 111 NO POWER  
DEFECT: Q SHORT CIRCUIT  
REPAIR: A REPLACE Q764 AND CARRY OUT FOLLOWING CIRCUIT CHANGES. CHANGE C996 FROM 1uF to 2200uF 10V. CHANGE C714 FROM 470uF 10V TO 2200uF 10V. REPOSITION I992 SO THAT IT IS TILTED AWAY FROM C996 (APPROX. 30 DEGREES TO VERTICAL AXIS)  
PART NUMBERS: C714/C996 0800366  
Q764 JCF00831F

Model: CM803ET 21" COLOUR MONITOR 75HZ

Subject: PART NUMBER CHANGES  
Fault: PART NUMBER FOR CRT  
SECTION: CRT  
CONDITION: 1  
SYMPTOM 18X ESTABLISHMENT OF PT#  
DEFECT: A  
REPAIR: A PART NUMBER FOR CRT  
IS DE00851

Model: CM803ET 21" COLOUR MONITOR 75HZ

Subject: PART NUMBER CHANGES  
Fault: ESTABLISHMENT OF CRT PART #  
SECTION: CRT  
CONDITION: 1  
Symptom: 38X ESTABLISHMENT OF CRT PT#  
DEFECT: Z  
REPAIR: A CRT PART # IS LUX02063  
ONLY APPLIES TO CM802E/ET CM803ET-302

Model: CPM1404 14" Security Monitor

Subject: POWER SUPPLY  
Fault: CHANGE OF L901 PT#  
SECTION: PSU  
CONDITION: 1  
Symptom: 185  
DEFECT: A  
REPAIR: A NEW PART # FOR L901 IS  
L210065

Model: CPM1404 14" Security Monitor

Subject: Y/C SIGNAL PROCESSING  
Fault: CHANGE OF PLUG PL2101  
SECTION: APR  
CONDITION: 1  
Symptom: 185 CHANGE OF PLUG PL2101  
DEFECT: 1 ORIGINAL PLUG DISCONTINUED  
REPAIR: A PART# J2902269

Model: CPM1404 14" Security Monitor

Subject: VERTICAL STAGE  
Fault: ADDITION OF FLASHOVER PROTECTION  
SECTION: DFL FRAME DEFLECTION  
CONDITION: 1  
Symptom: 185  
DEFECT: Z

# HITACHI

REPAIR: A ADD ZD601A AND ZD601B  
PT. # T536215 33V ZENER DIODE

Model: CPM2104 21" Security Monitor

Subject: POWER SUPPLY  
Fault: CHANGE OF L901 PT#  
SECTION: PSU  
CONDITION: 1  
Symptom: 185  
DEFECT: A  
REPAIR: A NEW PART # FOR L901 IS  
L210065

Model: CPM2104 21" Security Monitor

Subject: Y/C SIGNAL PROCESSING  
Fault: CHANGE OF PLUG PL2101  
SECTION: APR  
CONDITION: 1  
Symptom: 185 CHANGE OF PLUG PL2101  
DEFECT: 1 ORIGINAL PLUG DISCONTINUED  
REPAIR: A PART# J2902269

Model: CPM2104 21" Security Monitor

Subject: PART NUMBER CHANGES  
Fault: CHANGE OF R727 PART NUMBER  
SECTION: DFL  
CONDITION: 1  
Symptom: 185 CHANGE OF PART NUMBER  
DEFECT: R OPEN CIRCUIT  
REPAIR: A NEW PART NUMBER FOR  
R727 IS R102739

Model: CPM2504 MONITOR (=C2504C)

Subject: POWER SUPPLY  
Fault: CHANGE OF TRANSFORMER T901  
SECTION: PSU  
CONDITION: 1  
Symptom: 185 RUNNING CHANGE  
DEFECT: I  
REPAIR A PART # FOR T901 L380131

Model: CPM2504 MONITOR (=C2504C)

Subject: POWER SUPPLY  
Fault: CHANGE OF L901 PT#  
SECTION: PSU  
CONDITION: 1  
Symptom: 185

# HITACHI

DEFECT: A  
REPAIR: A NEW PART # FOR L901 IS  
L210065

Model: CPM2504 MONITOR (=C2504C)

Subject: TUNER/IF  
Fault: POOR PLAYBACK OF MACROVISION TAPES  
Symptom: POOR PLAYBACK OF MACRO VISION  
TAPES.  
Cause: CAPACITOR C104 AND C205 VALUES  
Cure: TO CURE SKEW CHANGE C205 TO 4u7  
50V  
TO CURE HORIZONTAL SHADED BAR AT TOP  
OF SCREEN CHANGE C104 TO 22uF 16V  
PART NUMBERS: C205 J0800012R  
C104 J0800023R

Model: CPM2504 MONITOR (=C2504C)

Subject: AUDIO  
Fault: CHANGE OF PART # R491  
SECTION: APA AUDIO PROCESSING  
CONDITION: 1  
Symptom: 185 PART DISCONTINUED  
DEFECT: A  
REPAIR: A NEW PART # FOR R491 IS  
R000618

Model: CPM2504 MONITOR (=C2504C)

Subject: VERTICAL STAGE  
Fault: ADDITION OF FLASHOVER PROTECTION  
SECTION: DFL FRAME DEFLECTION  
CONDITION: 1  
Symptom: 185  
DEFECT: Z  
REPAIR: A ADD ZD601A AND ZD601B  
PT. # T536215 33V ZENER DIODE

Model: CPM2504 MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
Fault: CHANGE OF FLYBACK TUNING CAPACITOR  
Symptom: CHANGE OF FLYBACK TUNING  
CAPACITOR C725  
Cause: CHANGE OF SUPPLIER  
Cure: NEW PART NUMBER FOR C725 IS  
C142755

# HITACHI

Model : CPM2504                  MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
 Fault: CHANGE OF VARIABLE RESISTORS  
 Symptom: CHANGE OF VARIABLE RESISTORS  
 Cause: CHANGE OF SUPPLIER  
 Cure: NEW PART NUMBERS ARE:  
 VR701 PART NUMBER J0160215R  
 VR601 PART NUMBER J0160421R  
 VR951 PART NUMBER J0160211R



Model : CPM2504                  MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
 Fault: CHANGE OF LINE DRIVER TRANSISTOR  
 Symptom: CHANGE OF LINE DRIVER  
 TRANSISTOR Q701.  
 Cause: CHANGE OF SUPPLIER  
 Cure: LINE DRIVER TRANSISTOR HAS BEEN  
 CHANGED TO BF459 PART NO. T633137



Model : CPM2504                  MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
 Fault: CHANGE OF D601 PART NUMBER  
 Symptom: CHANGE OF PART NUMBER FOR  
 D601  
 Cause: CHANGE OF SUPPLIER  
 Cure: NEW PART NUMBER FOR D601 IS  
 T531063 TYPE IN4002/GI



Model : CPM2504                  MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
 Fault: CHANGE OF PART # FOR D601  
 SECTION: DFL FRAME DEFLECTION  
 CONDITION: 1  
 Symptom: 185 CHANGE OF PT#  
 DEFECT: A  
 REPAIR: A PT# FOR D601 IS  
 T531063



Model : CPM2504                  MONITOR (=C2504C)

Subject: PART NUMBER CHANGES  
 Fault: CHANGE OF CRT PART NUMBER  
 SECTION: CRT  
 CONDITION: 1 CHANGE OF PART NUMBER  
 Symptom: 185 OLD TUBE DISCONTINUED  
 DEFECT: A  
 REPAIR: A PART NUMBER FOR NEW CRT IS  
 T159021



Model: HM4721 21" colour monitor

Subject: POWER SUPPLY  
 Fault: IMPROVEMENT OF P12 CIRCUIT.  
 Symptom: IMPROVEMENT OF P12 CIRCUIT.  
 Cause: CIRCUIT MODIFICATION.  
 Cure: ADD D156, TYPE D1NL404060,  
 PT. NO. 8319500, CATHODE TO IC152 PIN 1,  
 ANODE TO IC181 PIN 1.

Model: HM4721 21" colour monitor

Subject: Y/C SIGNAL PROCESSING  
 Fault: POOR SYNCHRONISATION.  
 Symptom: POOR SYNCHRONISATION ON SOME  
 SIGNALS.  
 Cause: CIRCUIT MODIFICATION.  
 Cure: DELETE (TAKE OUT) Q511. ADD R606  
 1M $\Omega$  PT. NO. 8233611 FROM IC500 PIN 18 TO  
 CHASSIS. ADD C565 150PF PT. NO. 8171836  
 FROM IC500 PIN17 TO CHASSIS. CHANGE  
 R601 TO 680R PT. NO. 8211527. SEE OVER  
 CHANGE R602 TO 330R PT. NO. 8211523.  
 ADD D512, TYPE 1SS120-TA, PT. NO.  
 8309008, ANODE TO IC500 PIN 23,  
 CATHODE TO JUNCTION OF R601 AND R602.

Model: HM4721 21" colour monitor

Subject: Y/C SIGNAL PROCESSING  
 Fault: IMPROVEMENT TO VIDEO AMPLIFIER.  
 Symptom: IMPROVEMENT TO VIDEO  
 AMPLIFIER CIRCUIT.  
 Cause: CIRCUIT MODIFICATION.  
 Cure: CHANGE C510 TO 1MF. 160V.  
 PT. NO. 8143700.  
 CHANGE C523 TO 15PF, PT. NO. 8171817.  
 CHANGE C540 TO 20PF, PT. NO. 8171827.  
 SEE OVER.  
 CHANGE C524 TO 30PF, PT. NO. 8171801.  
 CHANGE C541 TO 30PF, PT. NO. 8171801.  
 CHANGE C553 TO 30PF, PT. NO. 8171801.  
 CHANGE C552 TO 27PF, PT. NO. 8172421.

Model: HM4721 21" colour monitor

Subject: HORIZONTAL STAGE  
 Fault: ARCING  
 Symptom: ARCING.  
 Cause: CIRCUIT MODIFICATION.  
 Cure: DELETE (SHORT CIRCUIT) LC526.



# HITACHI

LABELLED "MADE IN TAIWAN" CAN BE INTERPRETED AS FOLLOWS: -  
MANUFACTURING NO. (SERIAL NO. ),  
FOR EXAMPLE, 195TH04404: -  
19 IS WEEK OF PRODUCTION.  
5 IS LAST DIGIT OF PRODUCTION YEAR.  
TH0 IS MODEL/SPEC. IDENTIFICATION.  
4404 IS PRODUCTION SERIAL NUMBER.

Model: HM4921                      21" colour monitor

Subject: Y/C SIGNAL PROCESSING  
Fault: UNSTABLE PICTURE.  
Symptom: PICTURE WAVERS SLIGHTLY.  
Cause: IC TOLERANCES.  
Cure: DELETE (OPEN CIRCUIT) C317.  
ADD R460, 1K, 0.25W, BETWEEN IC300 PIN1  
AND C303. PT. NO. 8211528.  
ADD C318, 1000PF, 50V, BETWEEN JUNCTION  
OF R460 AND C303 AND CHASSIS.  
PT. NO. 8131650.

Model: HM4921                      21" colour monitor

Subject: SERVICE INFORMATION  
Fault: NO PICTURE.  
Symptom: NO PICTURE WHEN SWITCHING  
FROM POWER SAVE MODE TO POWER ON MODE.  
Cause: CIRCUIT MODIFICATION.  
Cure: DELETE (OPEN CIRCUIT) D135.

Model: HM4921                      21" colour monitor

Subject: SERVICE INFORMATION  
Fault: IMPROVEMENT TO FRONT PANEL.  
Symptom: IMPROVEMENT TO FRONT PANEL.  
Cause: INSUFFICIENT CLEARANCE AROUND  
BNC/D-SUB SWITCH.  
Cure: INCREASE CLEARANCE AROUND SWITCH  
SPINDLE TO ENSURE CORRECT OPERATION OF  
SWITCH.

Model: HM6821                      21" colour monitor

Subject: Y/C SIGNAL PROCESSING  
Fault: UNSTABLE PICTURE.  
Symptom: PICTURE WAVERS SLIGHTLY.  
Cause: IC TOLERANCES.  
Cure: DELETE (OPEN CIRCUIT) C317.  
ADD R460, 1K, 0.25W, BETWEEN IC300 PIN1  
AND C303. PT. NO. 8211528.  
ADD C318, 1000PF, 50V, BETWEEN JUNCTION  
OF R460 AND C303 AND CHASSIS.



# HITACHI

PT. NO. 8131650.

Model: HM6821                      21" colour monitor

Subject: SERVICE INFORMATION

Fault: NO PICTURE.

Symptom: NO PICTURE WHEN SWITCHING  
FROM POWER SAVE MODE TO POWER ON MODE.

Cause: CIRCUIT MODIFICATION.

Cure: DELETE (OPEN CIRCUIT) D135.

Model: HM6821                      21" colour monitor

Subject: SERVICE INFORMATION

Fault: IMPROVEMENT TO FRONT PANEL.

Symptom: IMPROVEMENT TO FRONT PANEL.

Cause: INSUFFICIENT CLEARANCE AROUND  
BNC/D-SUB SWITCH.

Cure: INCREASE CLEARANCE AROUND SWITCH  
SPINDLE TO ENSURE CORRECT OPERATION OF  
SWITCH.

\*\*\*\* End of Data \*\*\*\*