

# Service Manual

**General Description**  
**Adjustment Procedures**  
**Block / Schematic Diagrams**  
**Exploded Views / Parts List**

**Panasonic** **VHS**

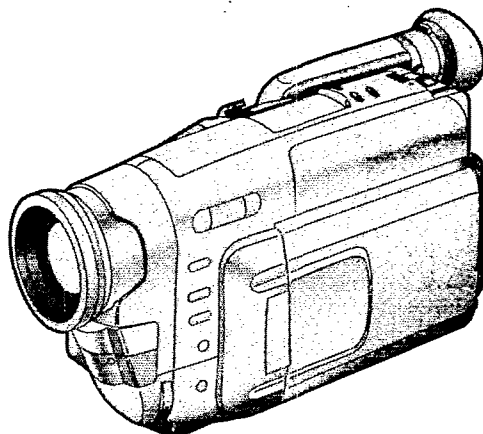
PAL

## HQ

VHS-C Movie

# NV-VX21B

# NV-VX22<sup>EG/A/</sup><sub>EN</sub>



## DL-MECHANISM

### SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	Source: Battery Pack; 4.8 V DC AC Adaptor; 6.0 V DC Consumption; 4.9 W (Battery operation)	VIDEO	HEADS: 4 rotary heads, 1 flying erase head
VIDEO RECORDING SYSTEM	4 rotary heads, helical scanning system PAL	OUTPUT: PHONO CONNECTOR; 1.0 Vp-p 75Ω unbalanced	
TAPE FORMAT	VHS-C Cassette Tape (Tape width 12.7 mm)	AUDIO	HEAD: 1 Stationary head (Normal-Mono)
TAPE SPEED	SP mode: 23.39 mm/s LP mode: 11.7 mm/s (Except NV-VX22EG) Record/Playback Time: SP mode: 1 hour with EC60 LP mode: 2 hours with EC60 (Except NV-VX22EG)	OUTPUT: PHONO CONNECTOR; -6 dB, 47 kΩ loaded/less than 1 kΩ	
		OPERATING TEMPERATURE	0~40°C
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)	OPERATING HUMIDITY	10~80%
	STANDARD ILLUMINATION: 1,400 lux	WEIGHT	Approx. 850 g (without Battery Pack)
	MINIMUM REQUIRED ILLUMINATION: 0.5 Lux (Low Light Mode)	DIMENSIONS	102 (W)×127 (H)×256 (D) mm
	LENS: 21 : 1 Wide-angle Power Zoom Lens with Digital AI Auto Focus, Auto Iris, Auto Focus System, F1.6 (3.8~ 79.8 mm), Filter Diameter 43 mm	STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack 1 pc. Cassette Adaptor (NV-VX22) 1 pc. Shoulder Strap 1 pc. DC Input Cable 1 pc. Battery for Cassette Adaptor Operation (NV-VX22)
	IMAGE SENSOR: 1/4 inch CCD Image Sensor		1 pc. AC Cable 1 pc. AV Output Cable 1 pc. 21 pin Adaptor (for NV-VX22EG) 1 pc. Remote Controller
Finder: 2.5-inch Colour LCD Monitor 0.5-inch Electronic Finder			

Weight and dimensions shown are approximate.  
 Specifications are subject to change without notice.

# Panasonic

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**△ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## INTRODUCTION 1

This service manual contains technical information which will allow service personnel's to understand and service the VHS-C Movie model NV-VX22/VX21.

This Service manual is based on NV-RX11.

So, please refer to the descriptions which are shown in NV-RX11 series Service Manual Order No. : VMD9801001C8

Note 1 : Adjustment procedure for Mechanism-Chassis is separate volume.

Please refer to following manual for detail of adjustment procedure for Mechanism-Chassis.

Order number for adjustment procedure of Mechanism-Chassis : VMD9412M130

Note 2 : The Electric adjustment is supported only by TATSUJIN software which is uploaded on item 13 of CS-Net in Pana-Van.

Please download applicable software from CS-Net and use it.

(You can make copies freely.)

Note 3 : Thses movie camera uses AC Adaptor VSK0502.

The Service manual for AC Adaptor is separate volume.

Order number for AC Adaptor—VSK0502 : VMD9709027C8

## INTRODUCTION 2

NOTE : NV-VX22EN & VX22ENH

NV-VX22EN series has to versions depends on countries. Detail as follows.

Model-No(Version)	NV-VX22EN	NV-VX22ENH
PACKING CASE	VPG9342	VPG9343
AC-CABLE	VJA0998	VJA0940

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# 1.COMPARISON CHART

## 1.Comparison Chart for NV-VX21/22 & NV-RX21/22

This Chart described different part from the original model to new model as shown below.

Original Model : NV-RX21/22 (Order No. for Service manual: VMD9801001C8)

New Model : NV-VX21/22

**Note: IMPORTANT NOTICE**

Components identified with <I> have special characteristics for safety.  
When replacing any these components, use only the same parts.

Comparison chart of mechanical replacement Parts. <A>...Added, <C>...Changed, <D>...Deleted.

Ref.No.	Parts No.for NV-RX21/22	Parts No.for NV-VX21/22	Pcs/ Set	Parts name & description	Remarks
319 (5)	VYQ1554	VYQ1512	1	MAIN FRAME U	<C>
320 (5)	VYK8169	VYK8293	1	FRONT CASE U	<C>
330 (5)	VKM4856	VKM4870	1	SIDE CASE (L)	<C>
336 (5)	VYK8157	VYK8288	1	CASSETTE COVER (1) U	except NV-VX21 <C>
336 (5)	VYK8240	VYK8290	1	CASSETTE COVER (1) U	only NV-VX21B <C>
337 (5)	VGU7721	VGU7603	1	CASSETTE LOCK BUTTON	<C>
339 (5)	VYK8154	VYK8311	1	SIDE CASE (R)	<C>
345 (5)	VXU1489	VXU1495	1	CAM/VTR OP.U	<C>
346 (5)	VXU1492	VXU1496	1	DIGIATL OP.U	<C>
349 (5)	VGQ4787	VGQ4788	1	DIGITAL PICE	<C>
351 (5)	————	VGQ2759	1	WIRE FIXING SHEET	<A>
353 (5)	————	VMC1085	1	SPEAKER HOLDER	<A>
354 (5)	————	VEK8401	1	SPEAKER UNIT	<A>
355 (5)	————	VGQ4546	1	STAND	<A>
356 (5)	————	VMC1245	1	STAND SPRING	<A>
357 (5)	————	VGQ4772	1	STAND HOLDER	<A>
358 (5)	————	VGQ4904	1	PROTECTION BARRIER	<A>
359 (5)	————	VMP5615	1	HINGE HOLDER FIX PLATE	<A>
360 (5)	————	VXD0275	1	LCD ROTATION HING (1) U	<A>
361 (5)	————	VGQ4769	1	HINGE COVER(UPPER)	<A>
362 (5)	————	VGQ4770	1	HINGE COVER(LOWER)	<A>
363 (5)	————	VGQ4854	1	WIRE BLINDING SHEET	<A>
364 (5)	————	VEE0D45	1	MONITOR CONNECTOR U	<A>
365 (5)	————	VGQ4775	1	WIRE PROTECTION PIECE	<A>
366 (5)	————	VGQ4771	1	HINGE HOLDER	<A>
367 (5)	————	VSQ1041	2	LCD ROTATION MAGNET	<A>
368 (5)	————	VMP5619	1	HINGE MOUNT PLATE	<A>
369 (5)	————	VYK8487	1	LCD CASE(UPPER)	NV-VX22A/EN/ENH <A>
369 (5)	————	VYK8319	1	LCD CASE(UPPER)	NV-VX21B <A>
369 (5)	————	VYK8316	1	LCD CASE(UPPER)	NV-VX22EG <A>
370 (5)	————	VGQ4773	1	LCD LOCK LEVER	<A>
371 (5)	————	VMP5617	1	LCD LOCK PLATE	<A>
372 (5)	————	VHD1093	1	LCD LOCK SHAFT	<A>
373 (5)	————	VMB3145	1	LCD LOCK SPRING	<A>
374 (5)	————	VKM4869	1	LCD CASE(LOWER)	<A>
375 (5)	————	VEK8266	1	BACK LIGHT U	<A>

Comparison chart of mechanical replacement Parts. <A>...Added, <C>... Changed, <D>... Deleted.

Ref.No.	Parts No.for NV-RX21/22	Parts No.for NV-VX21/22	Pcs/ Set	Parts name & description	Remarks
376 (5)	—————	VSC4730	1	MAIN FRAME U	<A>
377 (5)	—————	COD25T2014LB	1	LCD MODULE	<A>
378 (5)	—————	VMZ2743	1	INSULATION SHEET	<A>
379 (5)	—————	VMZ2750	1	LCD BLINDING SHEET	<A>
380 (5)	—————	VGQ4774	1	LCD SPACER	<A>
381 (5)	—————	VGQ4949	1	WIRE BARRIER	<A>
382 (5)	—————	VGQ4826	1	CASSETTE LOCK BUTTON	<A>
B303 (5)	XQN2+CJ6FZ	XQN2+CJ6FZ	11-13	SCREW	<A>
B311 (5)	XQN2+CJ6FZ	—————	2-0	SCREW	<D>
B313 (5)	XQN2+CJ6	—————	4-0	SCREW	<D>
B316 (5)	XQN2+CJ8	XQN2+CJ8	2-3	SCREW	<A>
B319 (5)	—————	VHD0768	0-3	SCREW	<A>
B320 (5)	—————	XQN2+BF35	0-1	SCREW	<A>
B321 (5)	—————	XQS2+AJ6	0-2	SCREW	<A>
B322 (5)	—————	XQN2+BJ5	0-6	SCREW	<A>
B323 (5)	—————	XQN2+BJ8	0-4	SCREW	<A>
B324 (5)	—————	XQN2+BF5	0-1	SCREW	<A>
B325 (5)	—————	XQN2+BF4FZ	0-4	SCREW	<A>
B326 (5)	—————	XQN2+BF25	0-1	SCREW	<A>
B327 (5)	—————	XQN2+BJ5	0-3	SCREW	<A>
B328 (5)	—————	XQN2+BJ5FZ	0-2	SCREW	<A>
B329 (5)	—————	XQN2+BF25FZ	0-1	SCREW	<A>
B330 (5)	—————	XQN2+CF55FZ	0-2	SCREW	<A>
652 (6)	—————	VPN4839	0-1	CUSHION(LOWER)	<A>
653 (6)	—————	VPG9340	0-1	PACKING CASE	NV-VX22EG <A>
653 (6)	—————	VPG9341	0-1	PACKING CASE	NV-VX21B <A>
653 (6)	—————	VPG9344	0-1	PACKING CASE	NV-VX22A <A>
653 (6)	—————	VPG9342	0-1	PACKING CASE	NV-VX22EN <A>
653 (6)	—————	VPG9343	0-1	PACKING CASE	NV-VX22ENH <A>
659 (6)	—————	VPN4858	0-1	ACCESSORIES BOX	<A>
660 (6)	—————	VQT7324	0-1	OPERATION INSTRUCTION (ENGLISH)	NV-VX21B <A>
660 (6)	—————	VQT7419	0-1	OPERATION INSTRUCTION (ENGLISH)	NV-VX22A <A>
660 (6)	—————	VQT7415	0-1	OPERATION INSTRUCTION (GERMAN/ENGLISH/FRENCH SPANISH)	NV-VX22EG <A>
660 (6)	—————	VQT7416	0-1	OPERATION INSTRUCTION (ITALIAN/DUTCH/SWEDISH DANISH)	NV-VX22EG <A>
660 (6)	—————	VQT7418	0-1	OPERATION INSTRUCTION (ENGLISH/CHINESE/ARABIC RUSHIAN)	NV-VX22EN/ENH <A>
667 (6)	—————	VFC1792	0-1	LENS CLEANER	<A>

Comparison chart of Electrical replacement Parts. <A>... Added, <C>... Changed, <D>... Deleted.

Ref.No.	Parts No.for NV-RX21/22	Parts No.for NV-VX21/22	Pcs/ Set	Parts name & description	Remarks
	VEP23449A	VEP23449E	1	CAMERA/MAIN C.B.A	<C>
	—————	VEP26197A	0-1	MONITOR C.B.A	<A>
	—————	VEP06C50A	0-1	HOLE SENSOR FLEX CARD C.B.A	<A>

### Charging the Built-in Lithium Battery

The internal clock works even when the Movie Camera is turned off, and it consumes power from the built-in lithium battery. When the Movie Camera is in operation, it automatically charges this battery. However, if the Movie Camera is not used for a very long time, the lithium battery can become discharged. This has occurred if the [ ] Indication on the LCD Monitor flashes when you turn on the Movie Camera. In this case, perform the following operations.

#### ■ Charging the Built-in Lithium Battery and Other Required Operations

- 1 Connect the AC Adaptor to the mains and to the Movie Camera.

- 2 Leave the Movie Camera turned off.

•Although charging the lithium battery is possible with the Movie Camera turned on or off, we recommend to keep it turned off to conserve energy.

- 3 Leave the Movie Camera in this condition for approximately 4 hours.

•Charging the lithium battery in this way for 4 hours maintains the clock operation for approximately 1 month, charging for 26 hours (full charge) maintains it for approximately 1 year.

- 4 Set the clock to the current date and time.

### 1. HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

- 1.Remove the Rear Case Unit.

(Remove the 1 Screw from Rear Frame)

- 2.Remove the Lithium battery "ML2020" and then replace the new one. (See Fig.B1)

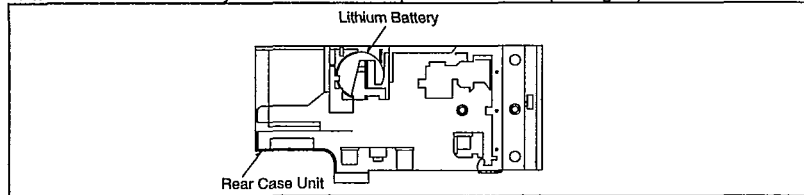


Fig.B1

#### NOTE:

The lithium battery is a critical component (Type No.: ML2020 Manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

#### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer.

Discard used batteries according to manufacturer's instructions.

#### VARNING

Explosionsfara vid felaktigt batteribyte.

Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.

Kassera använt batteri enligt fabrikantens instruktion.

#### ADVARSEL!

Lithumbatteri - Explosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.

Levér det brugte batteri tilbage til leverandøren.

#### VAROITUS

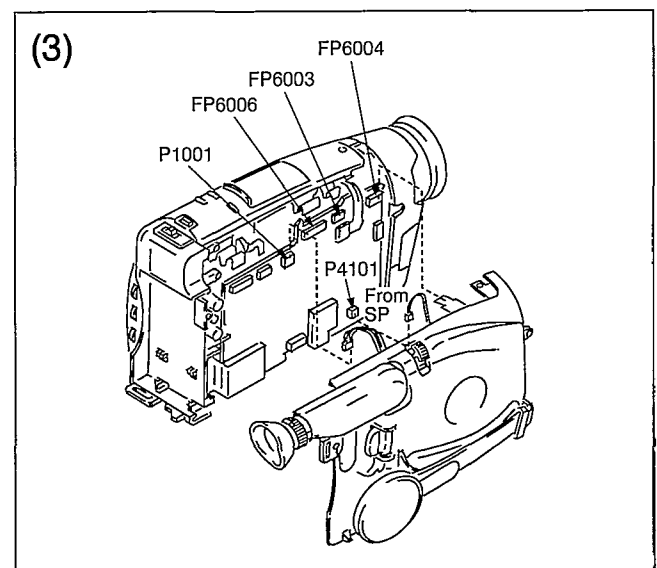
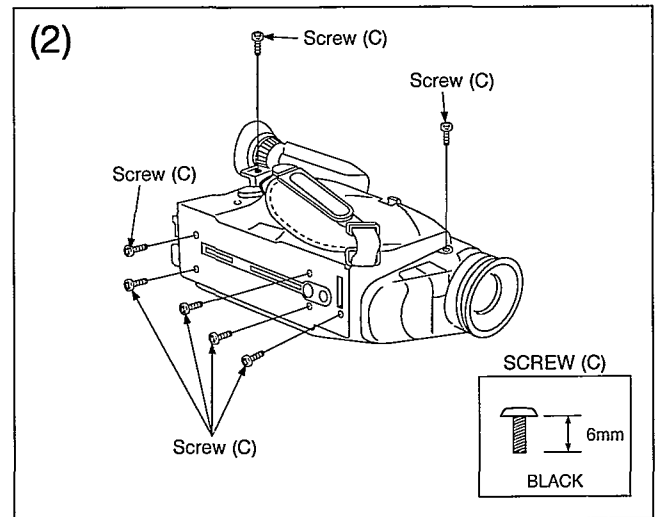
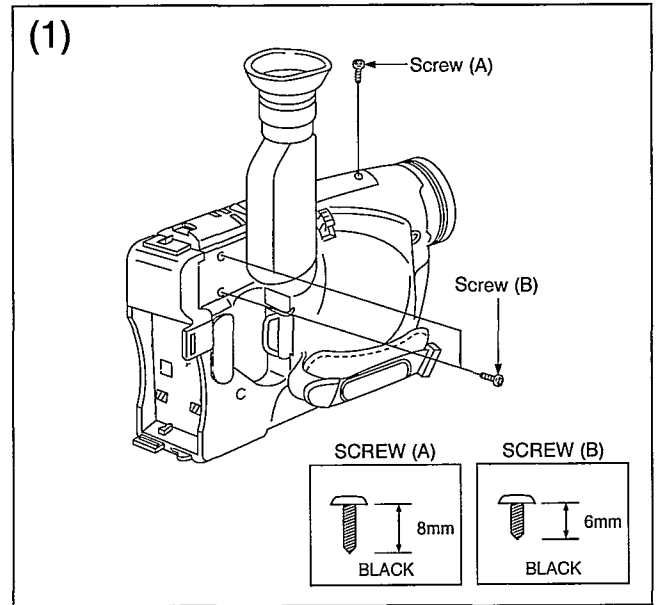
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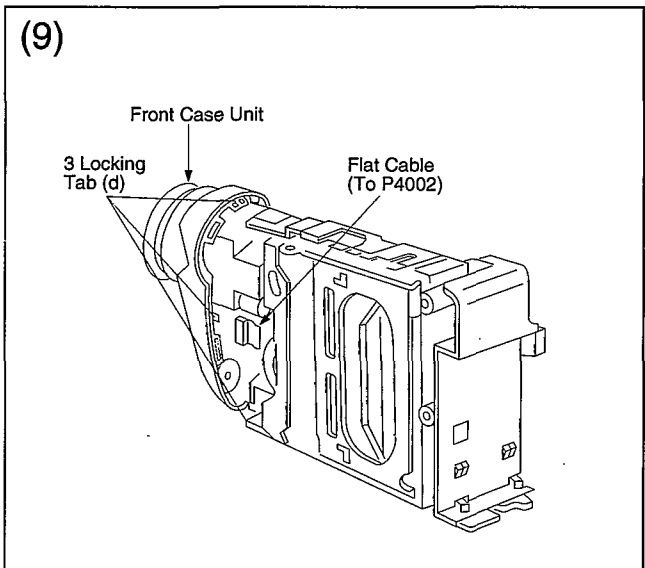
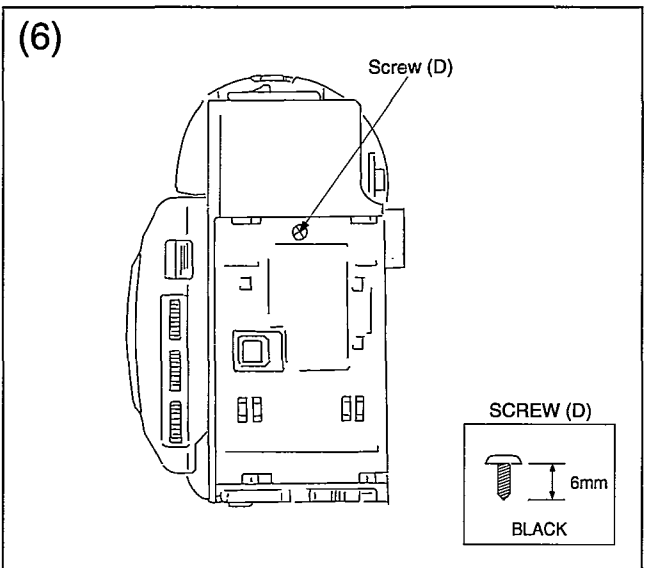
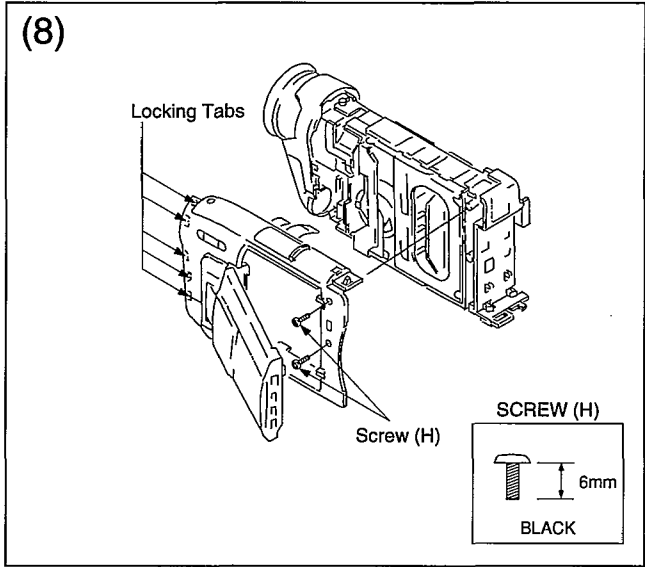
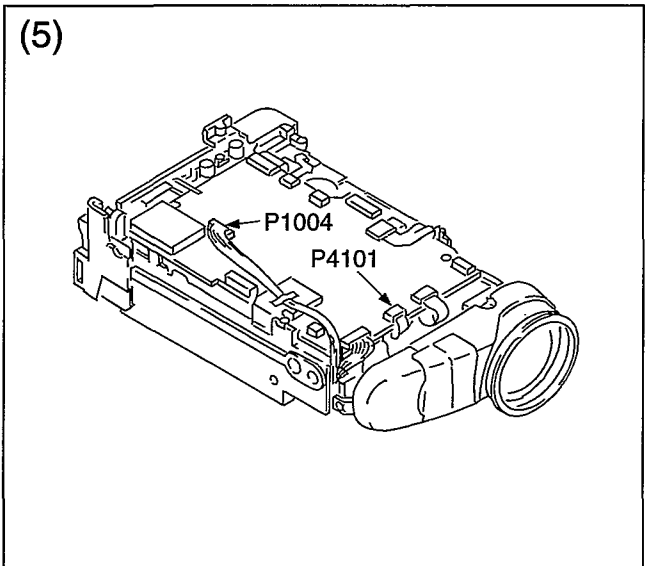
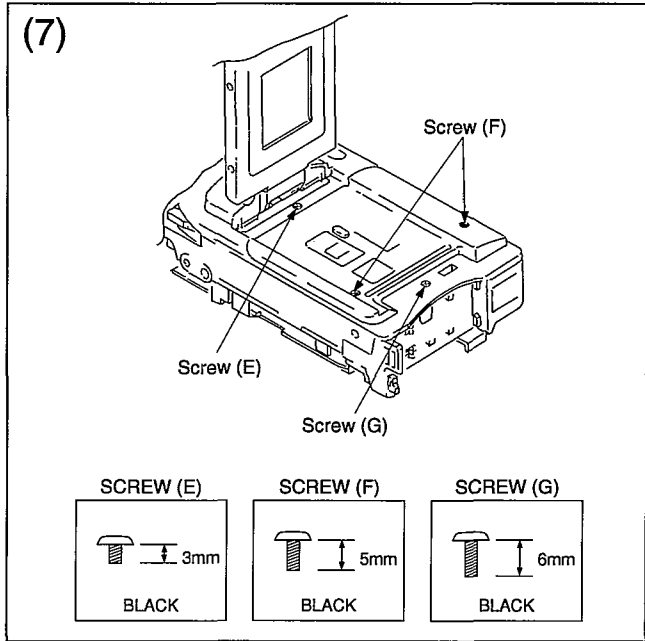
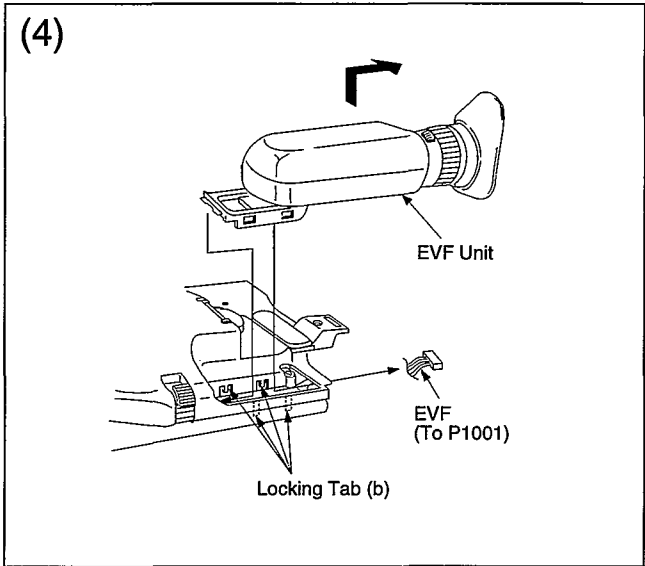
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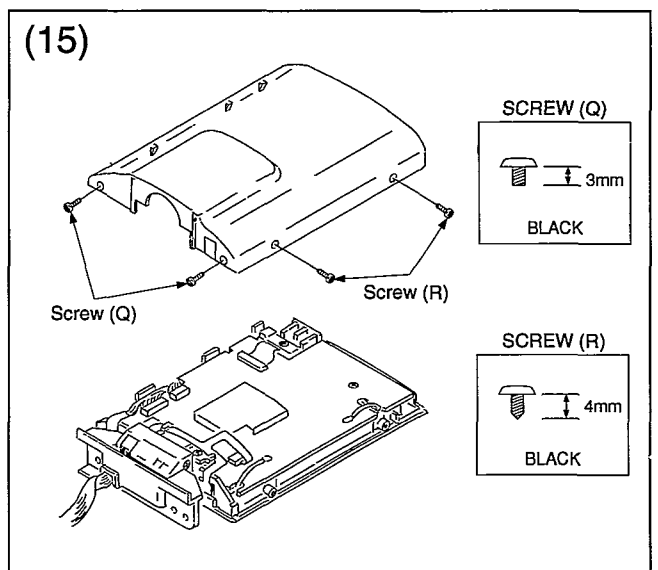
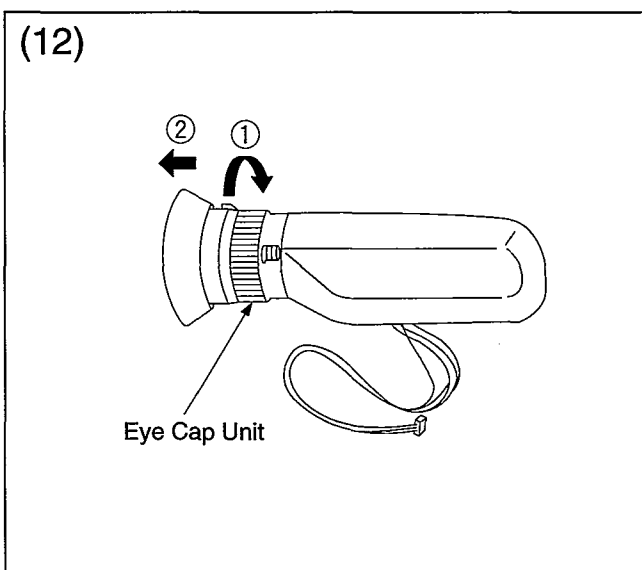
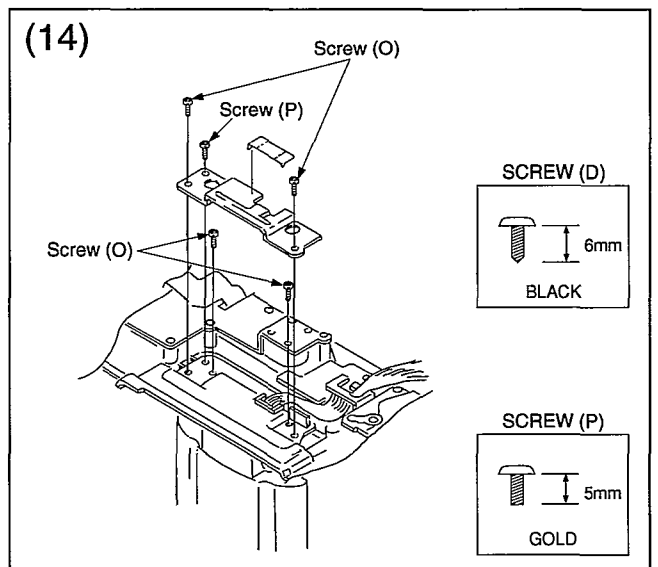
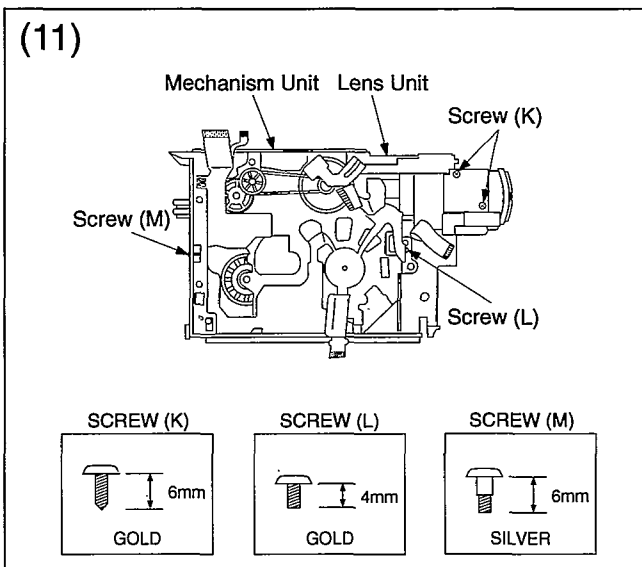
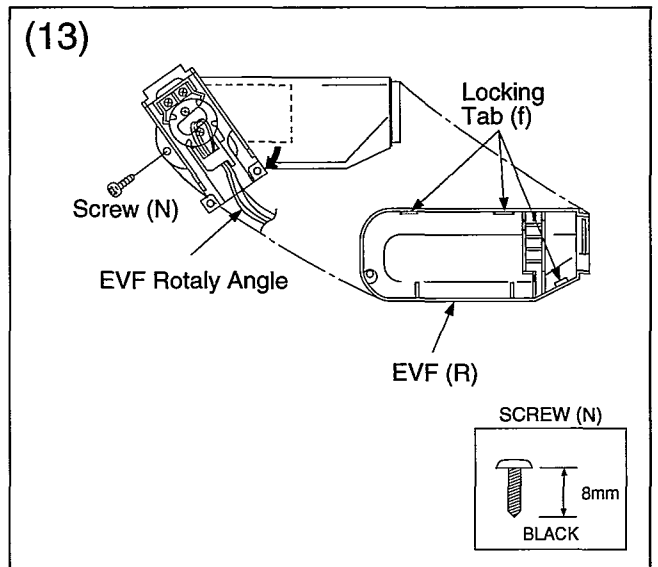
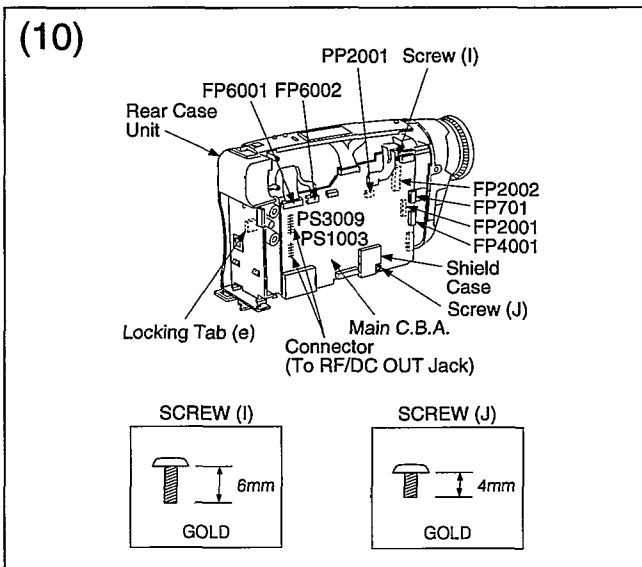
# SECTION 2 ADJUSTMENT PROCEDURES

## 2-1. DISASSEMBLY PROCEDURES

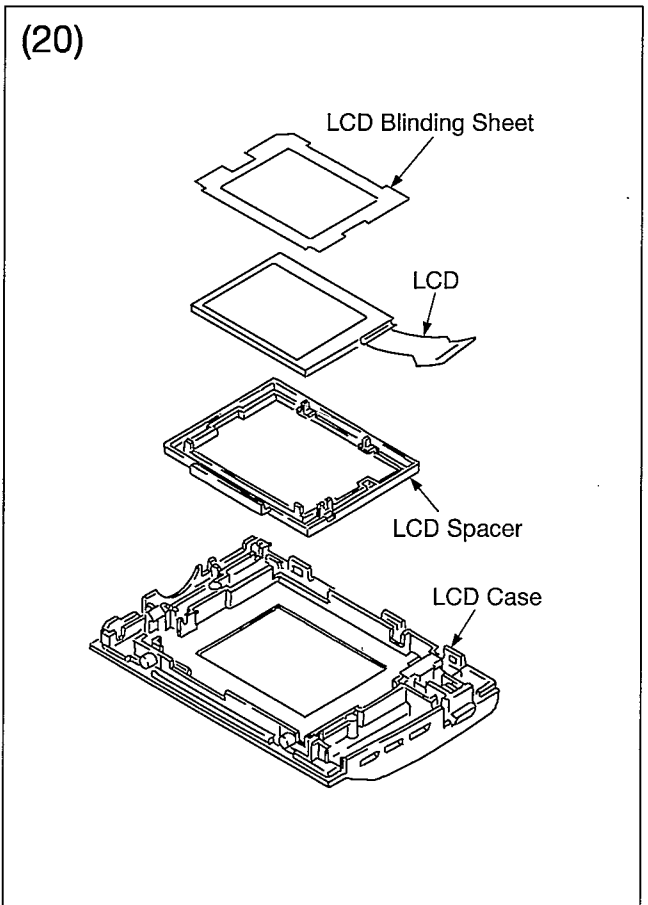
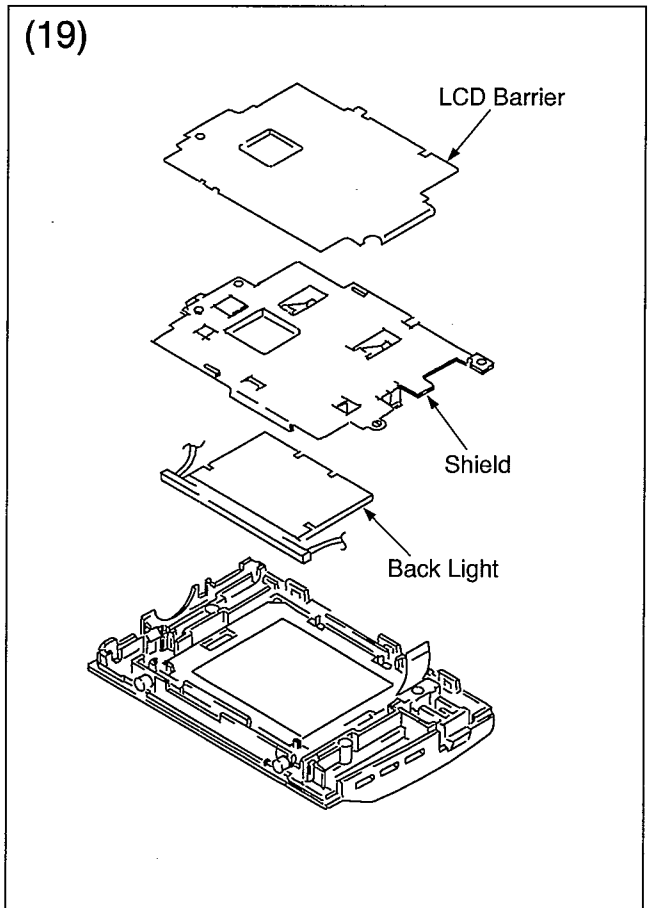
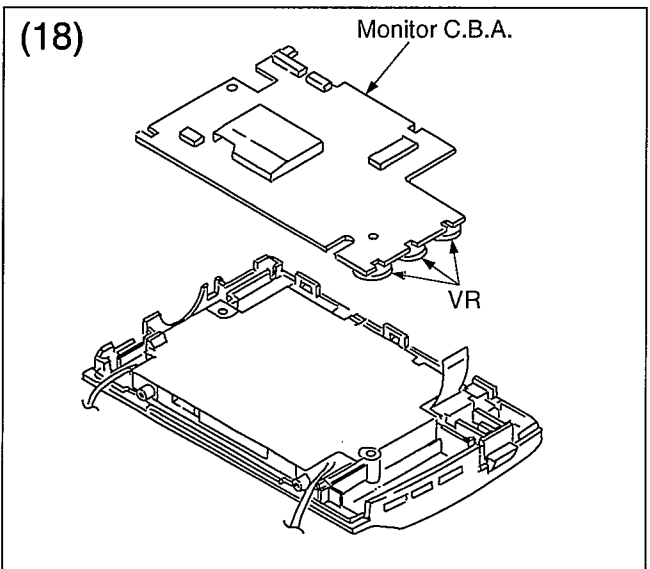
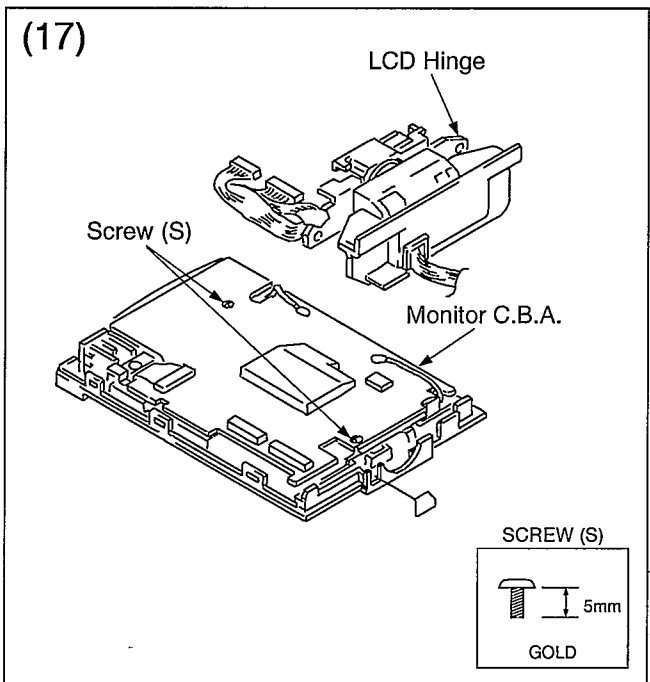
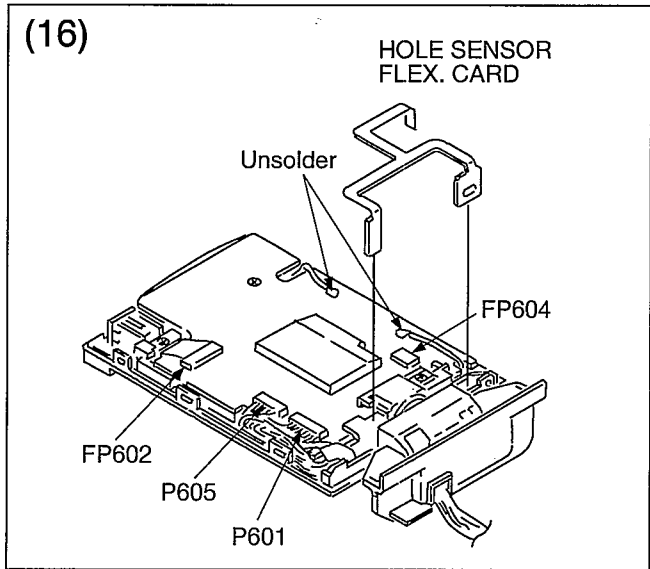
No	ITEM/PART	Fig.	Removal (SCREW & Other)
(1)	Side Case (L)	(1) (2) (3)	3-SCREW (A/B) 5-SCREW (B) 5-SCREW (C) Slightly open the side case (L) Disconnect P1001/FP6004/P4101 FP6006/FP6003. Remove the Side Case (L)
(2)	EVF UNIT	(4)	Unlock— 4 Locking tabs
(3)	Cassette Cover Side Case (R) LCD unit	(5) (6) (7) (8)	Disconnect P1004/P4101. 1-SCREW (D) 4-SCREW (E/F/G) Remove the Cassette Cover 1-SCREW (H) Unlock—5 Locking Tabs Remove the Side Case (R) with LCD Unit.
(4)	Front Case Unit	(9)	Unlock—3 Locking Tabs Disconnect P4002.
(5)	Rear Case Unit	(10)	Disconnect PS1003/PS3009. Unlock—1 Locking Tab.
(6)	Main C.B.A	(10)	2-SCREW(I/J) Remove the Shield Case for the Head Amp. Disconnect the following Connector. FP5001,FP6001,FP6002,PP201, FP4001,FP2001,FP2002,FP701.
(7)	Lens Unit	(11)	2-SCREW (K)
(8)	Mechanism Unit	(11)	2-SCREW (L/M)
(9)	E.V.F.C.B.A	(12)  (13)	Turn the Eye Cap unit counterclockwise and remove it.  Turn the EVF Rotary Angle clockwise until you can see a Screw(N).  1-SCREW(N) Unlock—3 locking Tabs.
(10)	LCD Unit	(14) (15)  (16)  (17)  (18) (19) (20)	5-SCREW(O/P) Turn the LCD Hinge Holder until you can see the Screw (Q). 4-SCREW(Q/R) Unlock—3 locking Tabs Open the LCD case. Disconnect the following Connector. FP604,P601,P605,FP602. Unsolder the lead wire from the backlight unit. Remove The LCD Hinge. 2-SCREW(S) Remove the Monitor C.B.A. Remove the LCD barrier/Shield. Remove the Back Light Unit & LCD unit.











## 2-2.ELECTRICAL ADJUSTMENT PROCEDURE FOR MONITOR SECTION

The following Equipment are required for adjustment of the Electric Viewfinder.

1. Test chart: Gray Scale chart/Color Bar Chart.
2. Tools : Plastic Tip driver

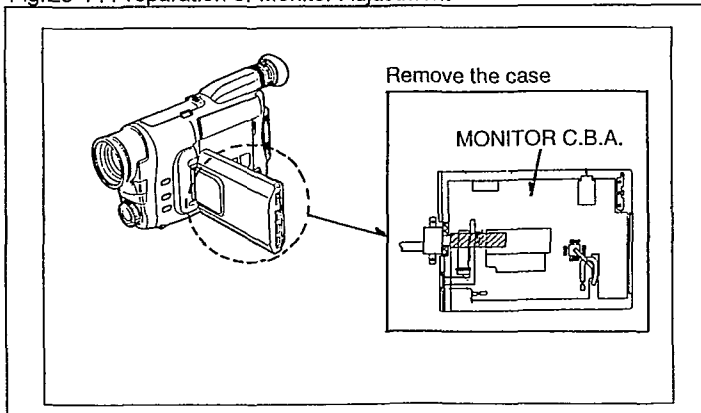
The following adjustment are Electric Viewfinder.

<b>Preparation:</b>	(A). Remove the Casing panels(LCD Monitor Panel only : Please refer to Fig.E5) (B). The camera unit must be completely aligned before viewfinder adjustment. (C). Please set the Color VR,Brightness VR to Center position. (D).Please turn off the demo mode for digital function, procedure for turn off the demo mode is as follows. Turn the Power Sw within push the Stop key on Operation Panel. (If turn on the Power Sw within push the Play key,unit goes to Demo mode on)
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### ADJUSTMENT FOR MONITOR SECTION

ITEM	CONDITION/PRESET	SIGNAL INPUT or TEST Chart	TEST POINT	HOW TO ADJUSTMENT & SPEC
1 PLL	1. Connect the frequency counter to TL614. 2.Connect the jumper wire between Q605-E and GND.		TL614	Adjust the VR608 so that the frequency at the TL614 become 15.700±0.1KHz. Remove the jumper wire.
2 Pedestal Level	1.Aim the Camera at Gray Scale Chart. 2. Connect the oscilloscope to TL602.	Gray Scale Chart	TL602	Adjust the VR610 so that the "A" become 2.0V±0.1Vp-p. (Please refer to Fig.E6)
3 Contrast	1.Aim the Camera at Gray Scale Chart. 2. Connect the oscilloscope to TL602.	Gray Scale Chart	TL602	Adjust the VR602 so that the "A" become 2.0V±0.1Vp-p. (Please refer to Fig.E7)
4 Color Phase for R Signal	1.Aim the Camera at Gray Scale Chart. 2. Connect the oscilloscope to TL603.	Gray Scale Chart	TL603	Adjust the VR604 so that the level of cyan,Green,Blue becomes equal. (Please refer to Fig.E8)
5 Color B for B Signal	1.Aim the Camera at Color Bar Chart. 2. Connect the oscilloscope to TL601.	Color Bar Chart	TL601	Adjust the VR604 so that the level of yellow,Green,Red becomes equal. (Please refer to Fig.E9)
6 Color Level	1.Aim the Camera at Color Bar Chart. 2. Connect the oscilloscope to TL601.	Color Bar Chart	TL601	Adjust the VR607 so that the "A" become minimized. (Please refer to Fig.E10)
8 COM Bias	1.Aim the Camera at white chart. 2.Connect the Oscilloscope to TL606.	Gray Scale Chart	LCD Monitor	Adjust the VR621 so that the beat noise on LCD Monitor become minimized.
9 White Balance	1.Aim the Camera at Color Bar Chart.	Color Bar Chart	LCD Monitor	Adjust the VR605/VR606 so that the white balance on the LCD monitor become best position.

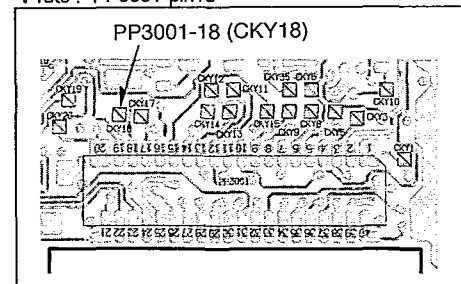
Fig.E5-1 : Preparation of Monitor Adjustment



Note : Trigger for the Oscilloscope

To Trigger the Oscilloscope, following test point is used.

H rate : Video Output  
V rate : PP3001-pin18



Pedestal

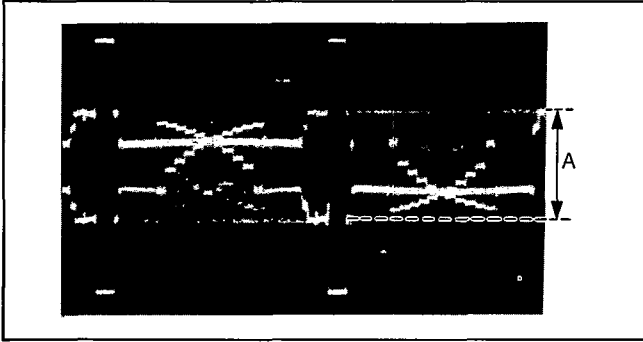


Fig. E6

Contrast

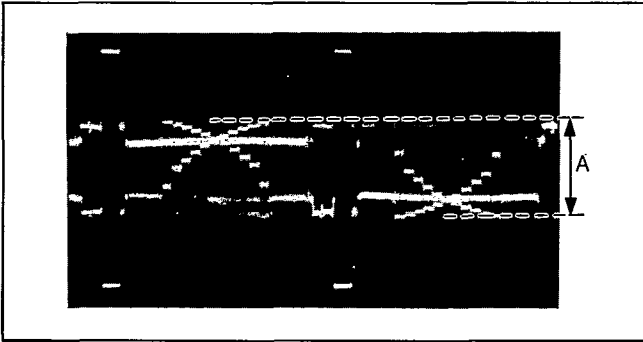


Fig. E7

Phase for R Signal

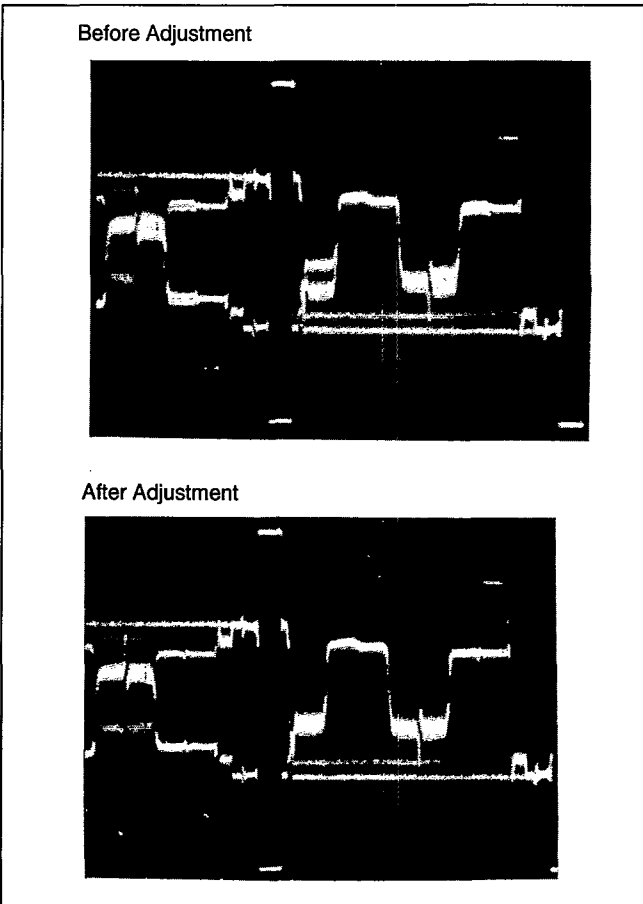


Fig. E8

Color Phase for B Signal

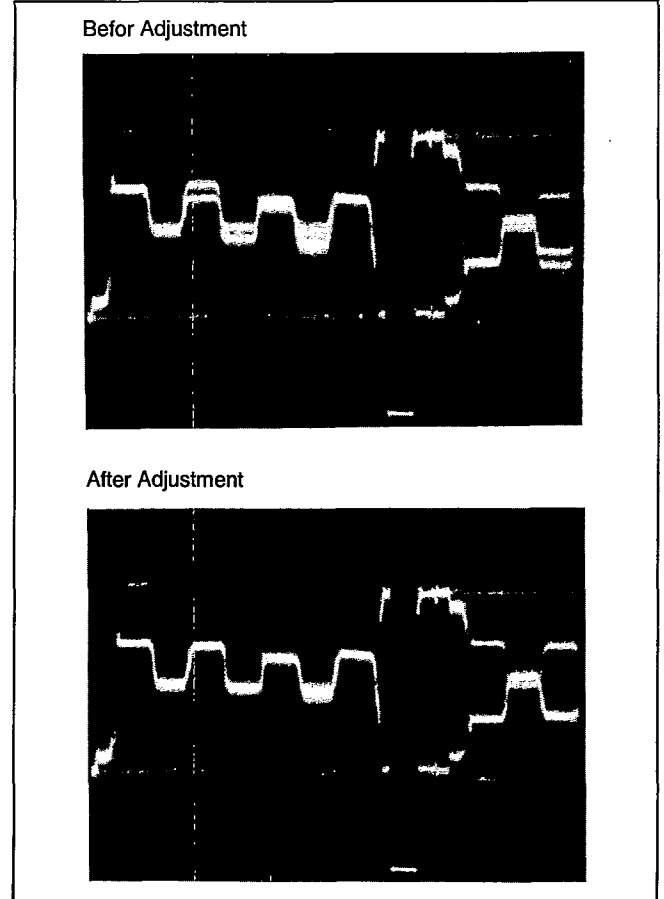


Fig. E9

Color Level

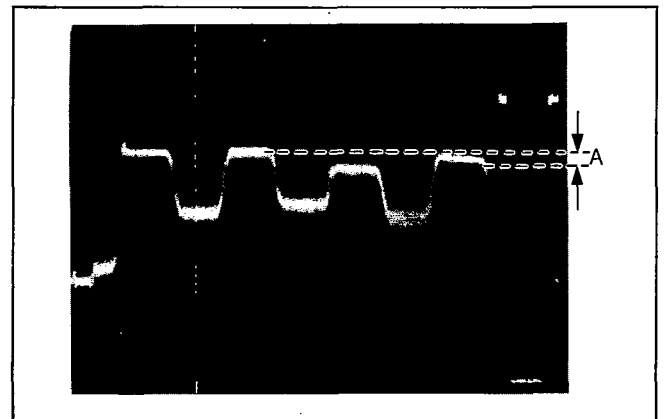
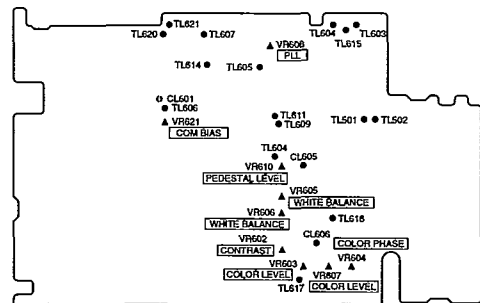


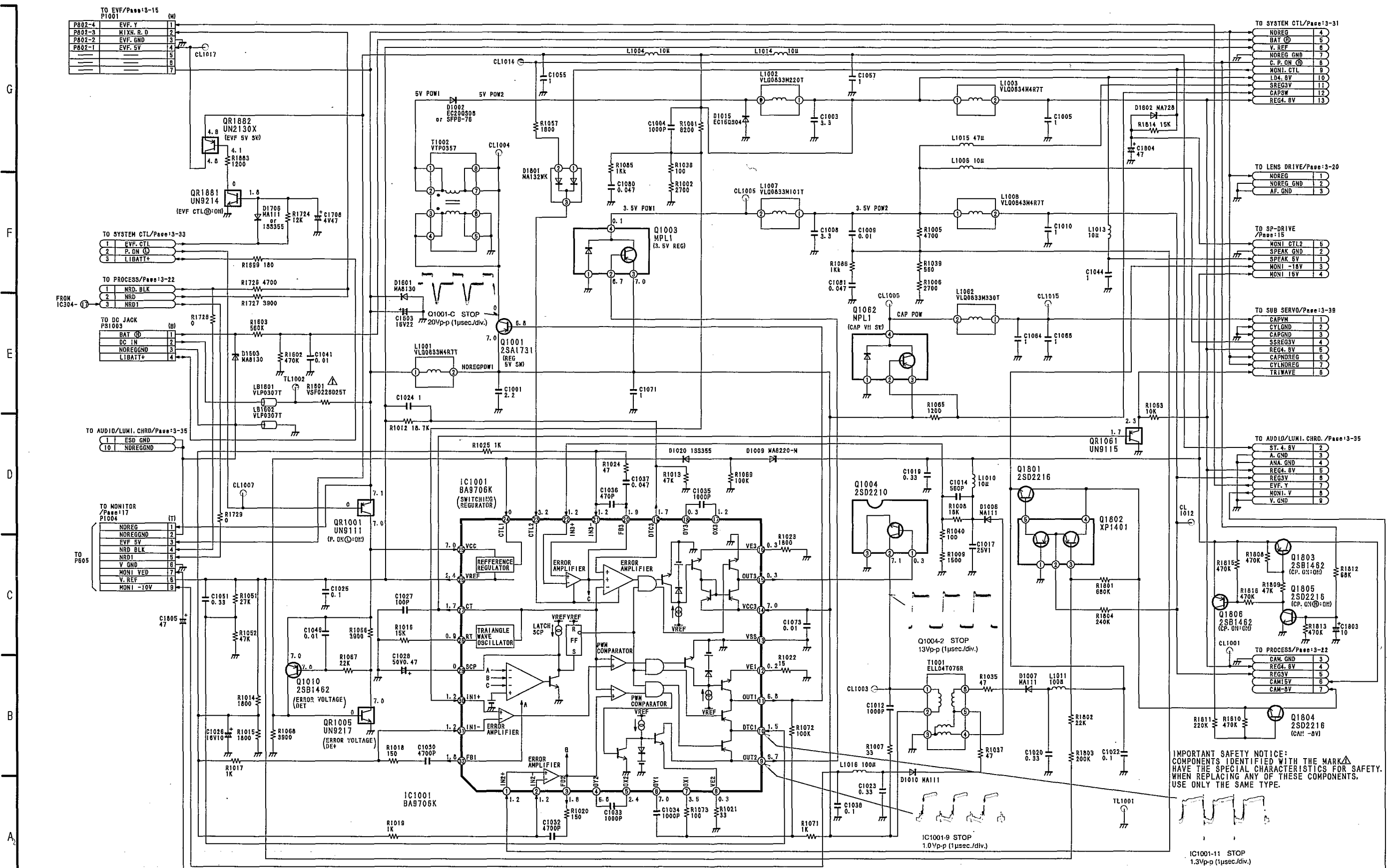
Fig. E10

LOCATION OF TEST POINTS & CTLs  
(MONITOR C.B.A.)





## 2. POWER SCHEMATIC DIAGRAM

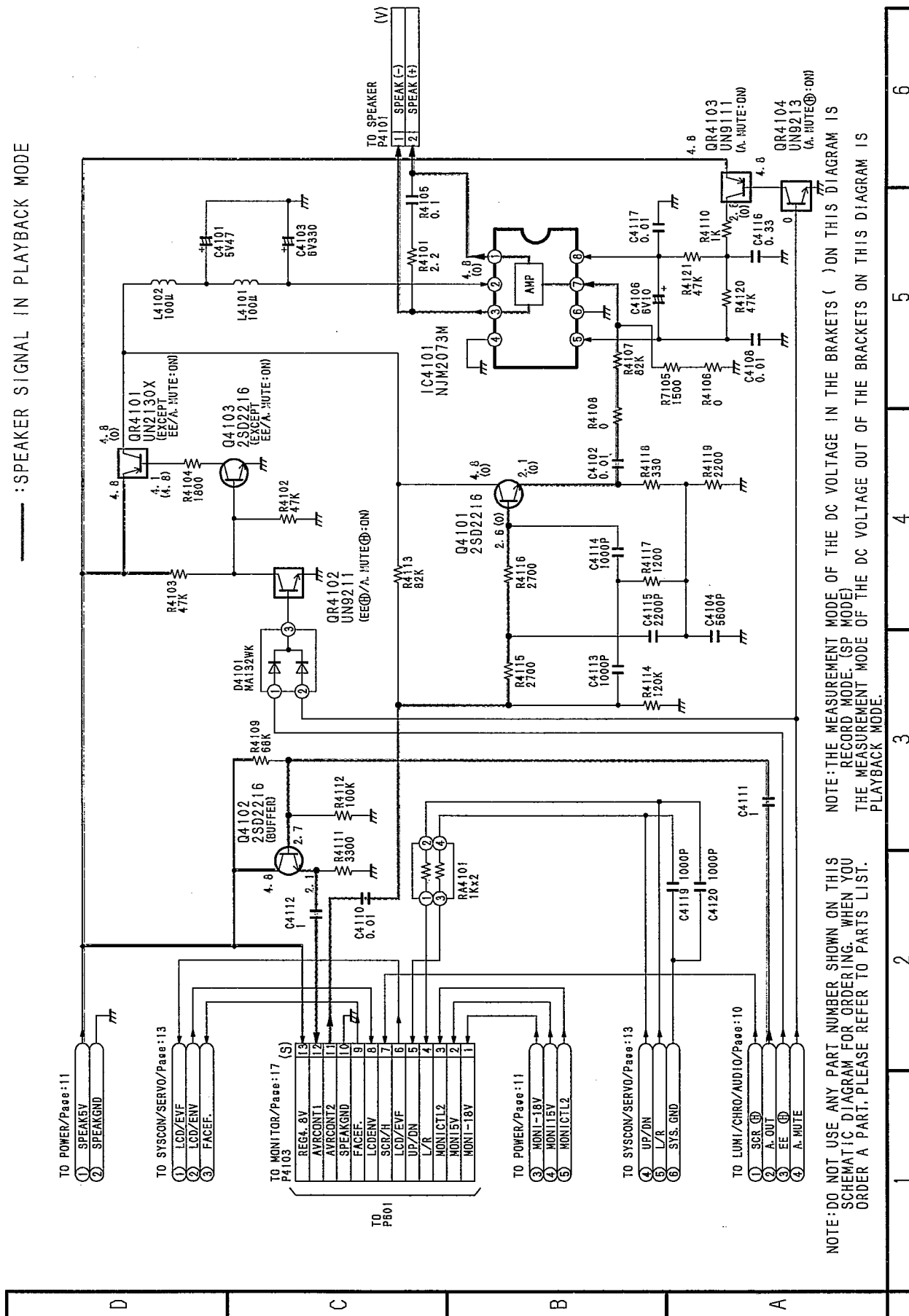


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

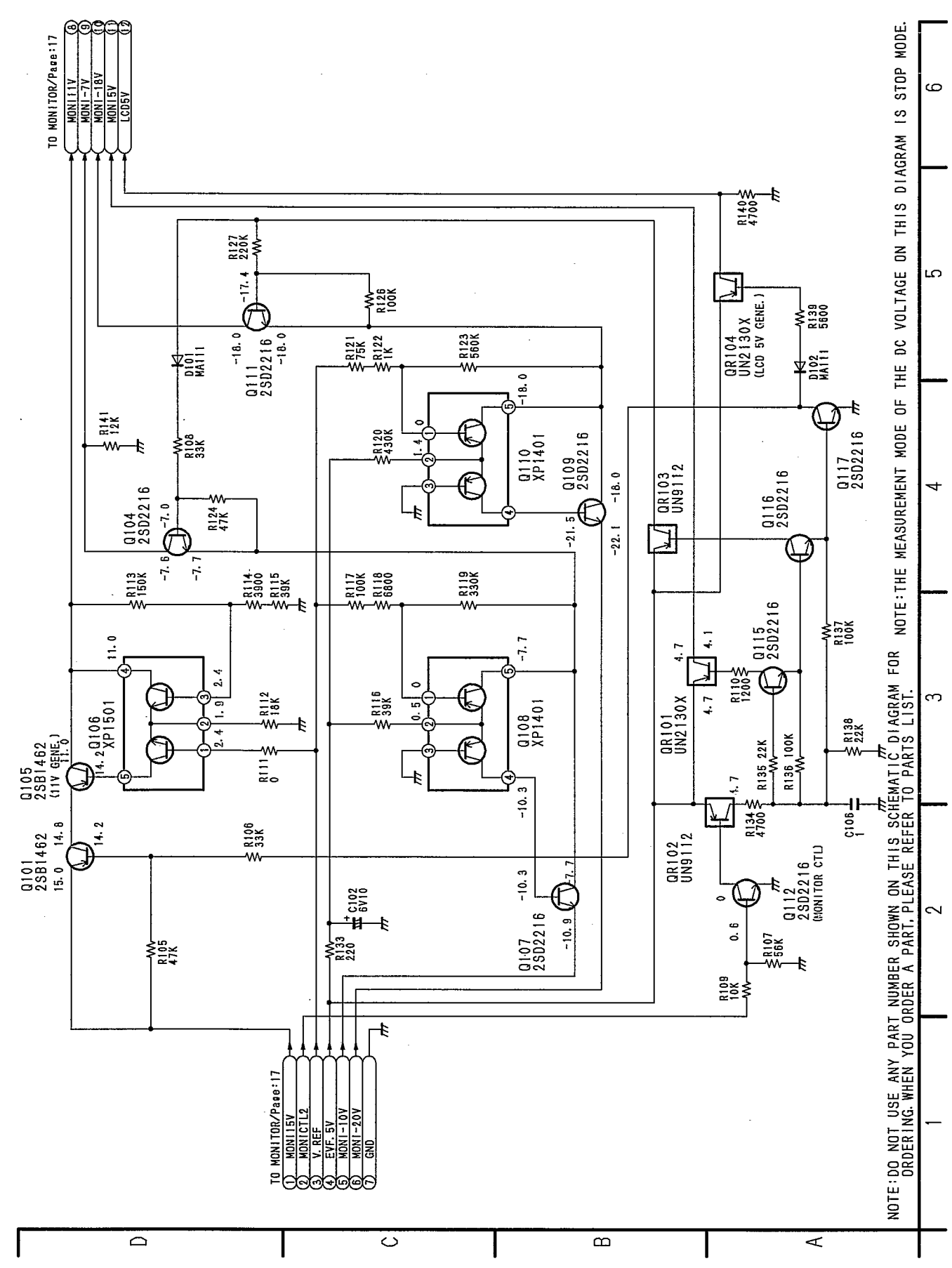
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.



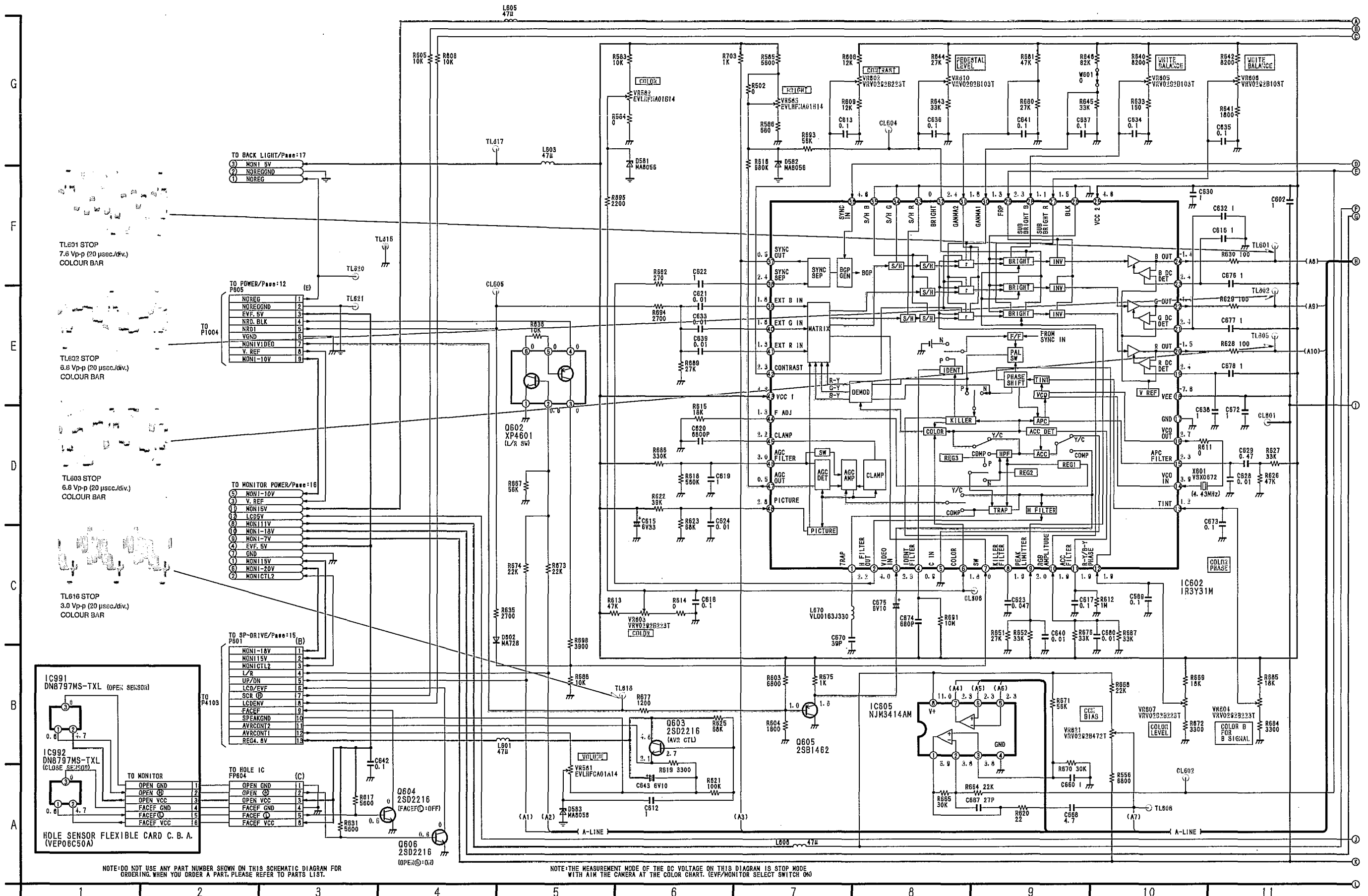
#### 4. SPEAKER DRIVE SCHEMATIC DIAGRAM



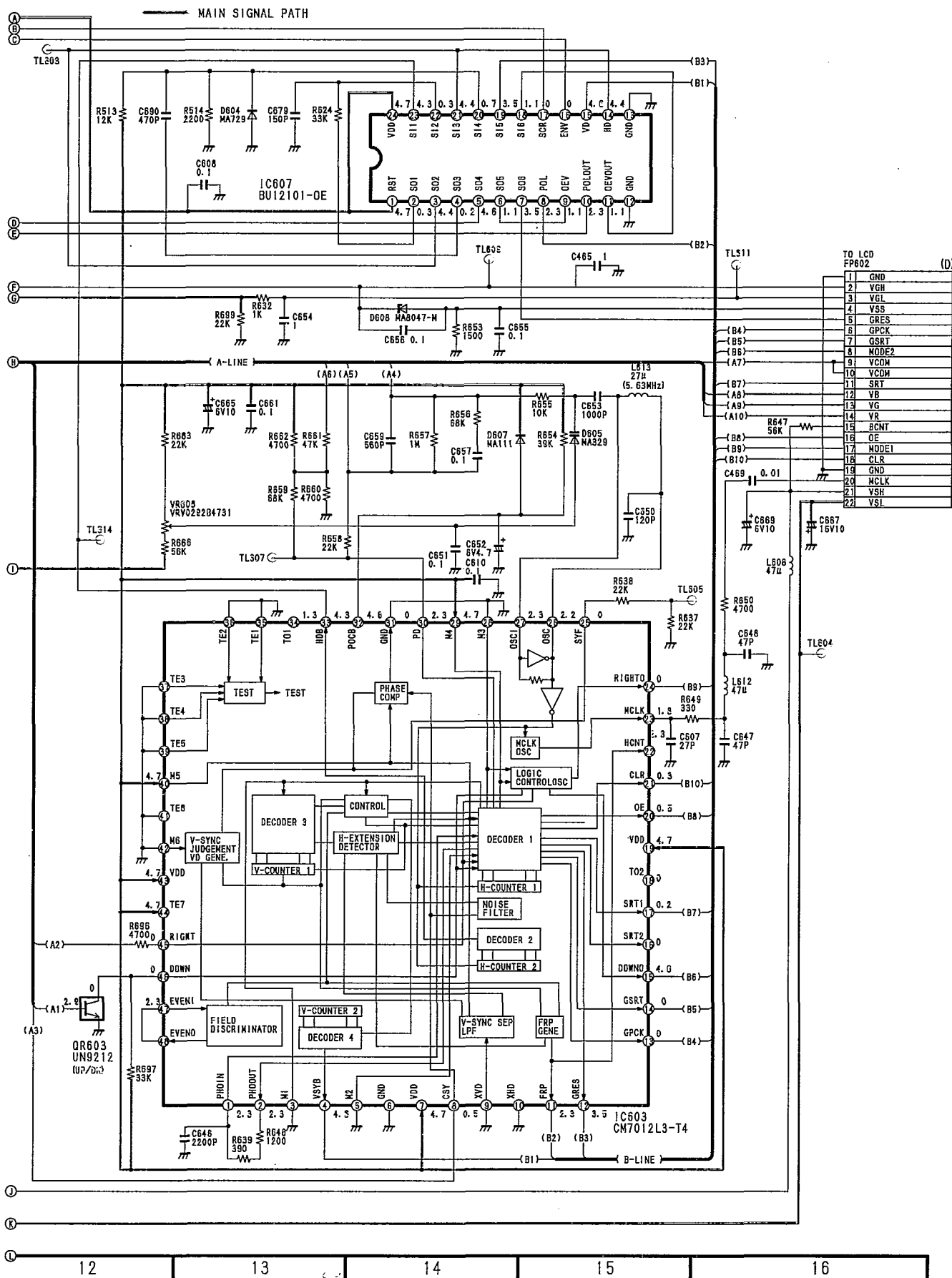
#### 5. MONITOR POWER SCHEMATIC DIAGRAM



# 6. MONITOR SCHEMATIC DIAGRAM



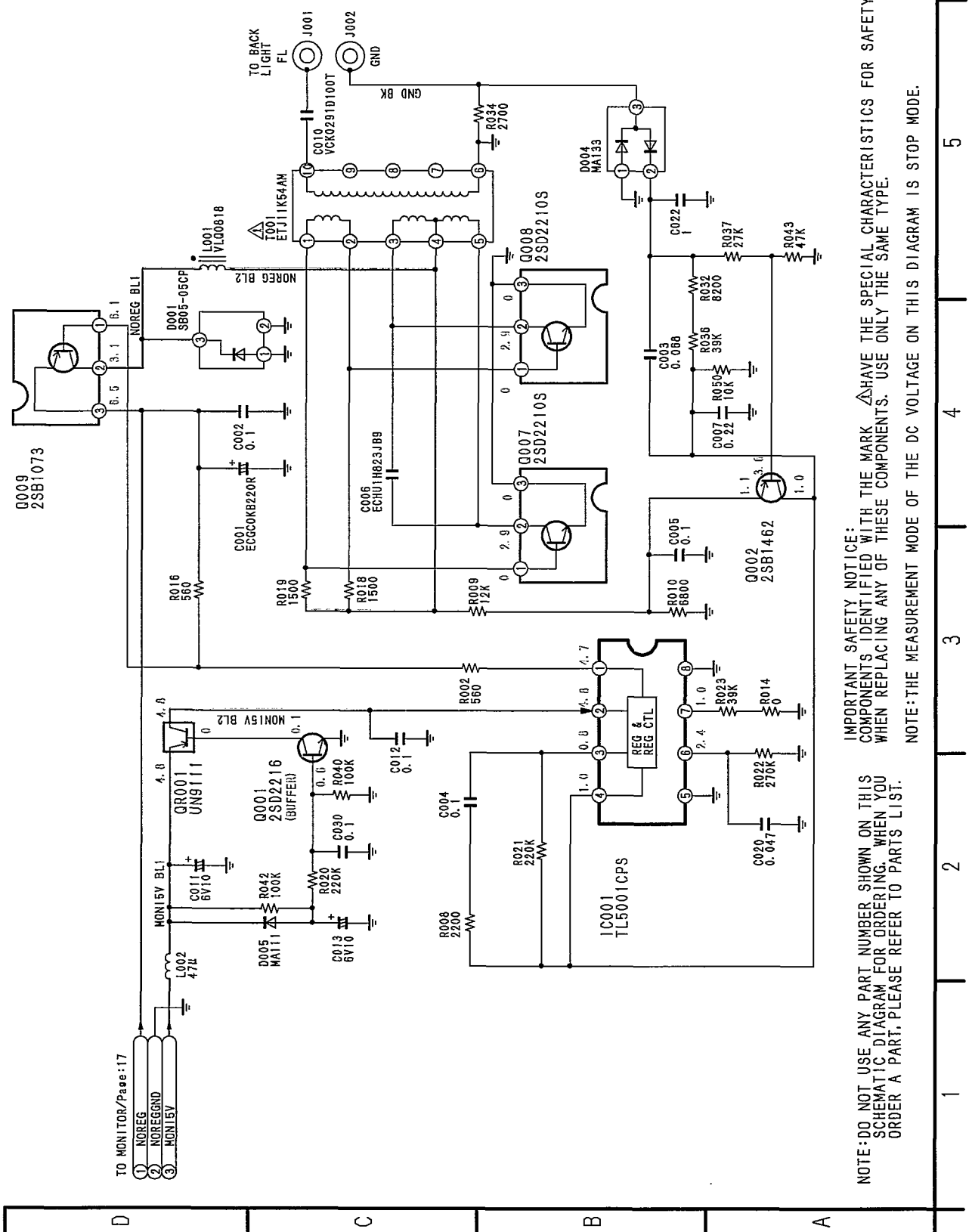




TO LCD FP602 (D)

1	GND
2	VGH
3	VGL
4	VSS
5	GRES
6	GPCK
7	GSRT
8	NODE2
9	VCDM
10	VCDM
11	SRT
12	VB
13	VG
14	VR
15	BCNT
16	OE
17	NODE1
18	CLR
19	GND
20	MCLK
21	VSH
22	VSL

# 7. BACK LIGHT SCHEMATIC DIAGRAM

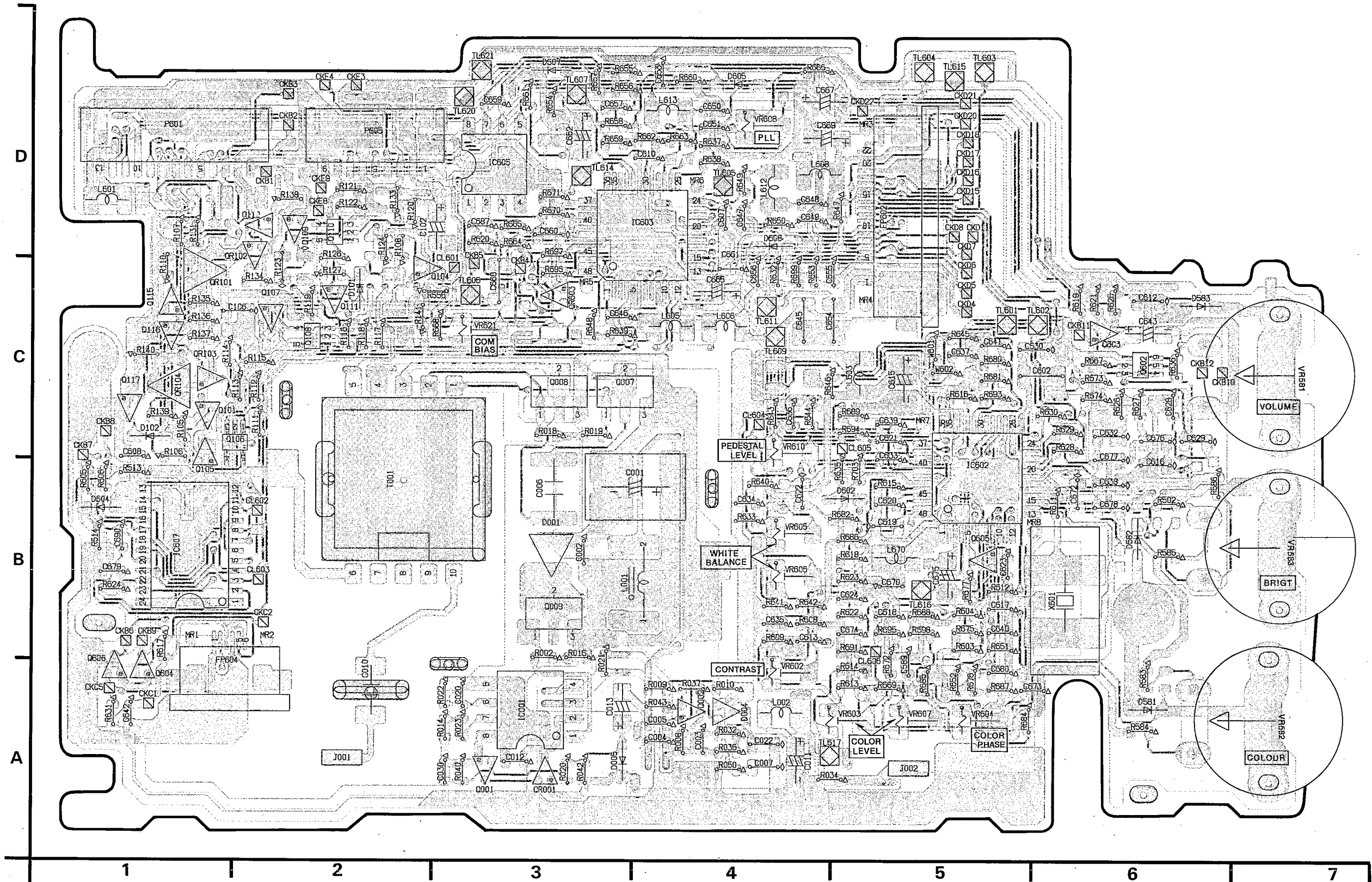


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

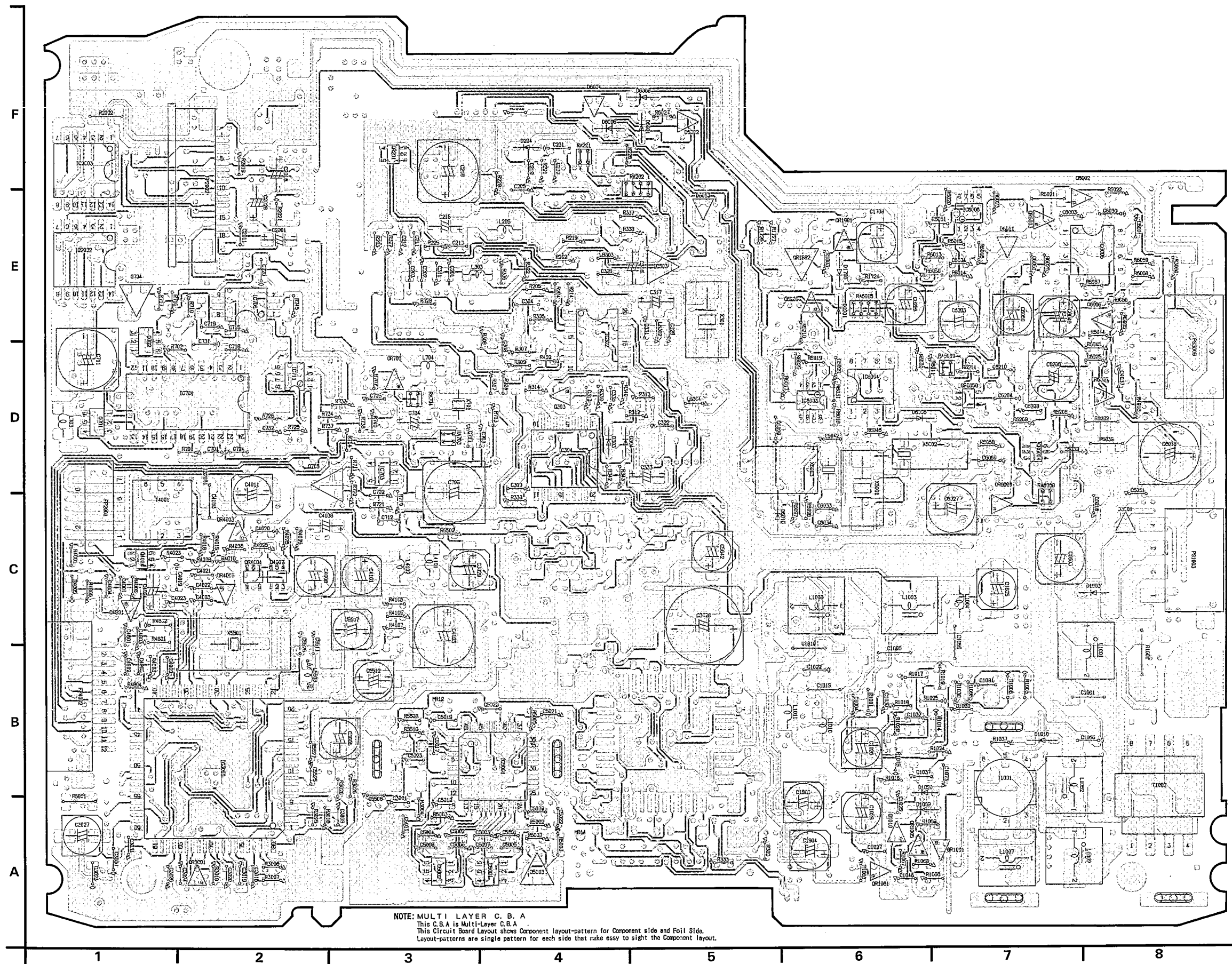
# 8. MONITOR [MONITOR POWER, MONITOR, BACK LIGHT SECTION] C.B.A.



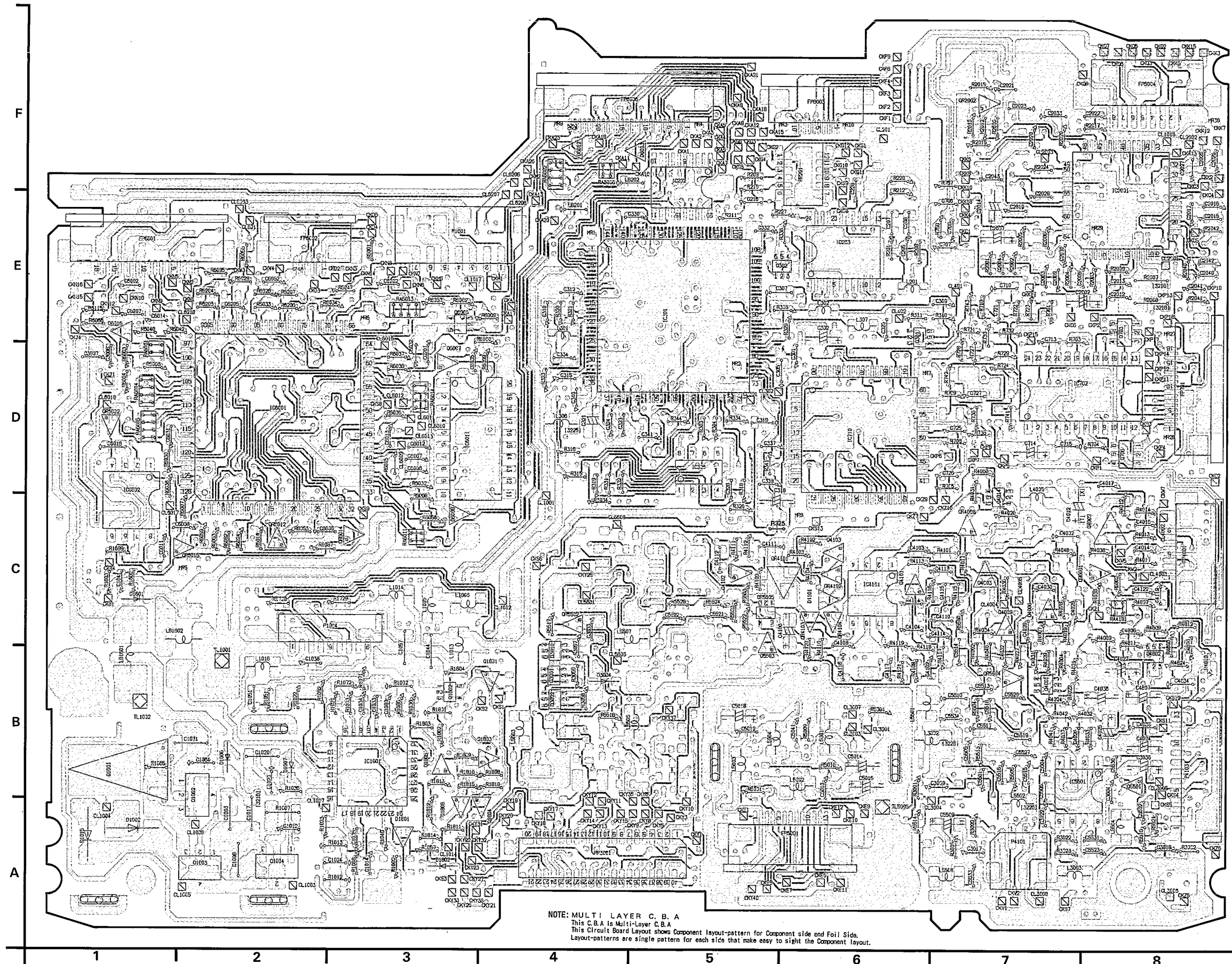
MONITOR C.B.A.	
<b>Integrated Circuit</b>	
IC001	A-3
IC602	B-5
IC603	D-3
IC605	D-3
IC607	B-1
<b>Transistor</b>	
Q001	A-3
Q002	A-4
Q007	C-3
Q008	C-3
Q009	B-3
Q101	C-1
Q104	C-2
Q105	B-1
Q106	C-1
Q107	C-2
Q108	C-2
Q109	D-2
Q110	D-2
Q111	C-2
Q112	D-2
Q115	C-1
Q116	C-1
Q117	C-1
Q602	C-6
Q603	C-6
Q604	A-1
Q605	B-5
Q606	A-1
<b>Transistor &amp; Resistor</b>	
QR001	A-3
QR101	C-1
QR102	C-2
QR103	C-1
QR104	C-1
QR603	C-3
<b>Test Point</b>	
CL601	C-3
CL604	C-4
CL605	C-5
CL606	B-5
TL601	C-5
TL602	C-6
TL603	D-5
TL604	D-5
TL605	D-4
TL606	C-3
TL607	D-3
TL609	C-4
TL611	C-4
TL614	D-3
TL615	D-5
TL616	B-5
TL617	A-4
TL620	D-3
TL621	D-3
<b>Adjustment</b>	
VR581	C-7
VR582	A-7
VR583	B-7
VR602	A-4
VR603	A-5
VR604	A-5
VR605	B-4
VR606	B-4
VR607	A-5
VR608	D-4
VR610	C-4
VR621	C-3
<b>Connector</b>	
FP602	D-5
FP604	A-1
P601	D-1
P605	D-2

ADDRESS INFORMATION

**9. CAMERA/MAIN [SENSOR, LENS DRIVE, PROCESS, POWER, SYSTEM CONTROL & SERVO, LUMINANCE/CHROMINANCE /HEAD AMP & AUDIO, SUB SERVO Sections] C.B.A. (VEP23449E) COMPONENT SIDE**



**10. CAMERA/MAIN [SENSOR, LENS DRIVE, PROCESS, POWER, SYSTEM CONTROL & SERVO, LUMINANCE/CHROMINANCE /HEAD AMP & AUDIO, SUB SERVO Sections] C.B.A. (VEP23449E) FOIL SIDE**





## CAM/MAIN C.B.A.

R4014	C-8	Ⓟ	R5517	C-4	Ⓟ	R6211	D-7	Ⓞ
R4015	C-2	Ⓞ	R5521	A-8	Ⓟ	R6801	A-1	Ⓞ
R4016	C-2	Ⓞ	R5522	C-5	Ⓟ	R6802	C-8	Ⓟ
R4017	C-8	Ⓟ	R5523	C-5	Ⓟ	Resistor Array		
R4018	D-8	Ⓞ	R5524	C-5	Ⓟ			
R4019	C-7	Ⓟ	R5526	C-5	Ⓟ	RA201	F-4	Ⓞ
R4020	C-7	Ⓟ	R5527	B-2	Ⓞ	RA202	F-4	Ⓞ
R4021	B-7	Ⓟ	R6001	E-3	Ⓞ	RA703	D-3	Ⓞ
R4022	B-7	Ⓟ	R6002	F-4	Ⓞ	RA704	D-3	Ⓞ
R4023	C-1	Ⓞ	R6003	D-1	Ⓟ	RA4101	C-8	Ⓟ
R4024	B-7	Ⓟ	R6004	D-1	Ⓟ	RA6001	D-1	Ⓟ
R4025	C-2	Ⓞ	R6005	D-3	Ⓟ	RA6002	F-4	Ⓟ
R4026	C-2	Ⓞ	R6007	C-2	Ⓟ	RA6004	D-1	Ⓟ
R4027	B-7	Ⓟ	R6008	C-3	Ⓟ	RA6005	D-1	Ⓟ
R4028	C-7	Ⓟ	R6009	E-4	Ⓟ	RA6006	F-4	Ⓟ
R4029	B-7	Ⓟ	R6010	C-2	Ⓟ	RA6008	C-7	Ⓞ
R4030	C-8	Ⓟ	R6011	D-6	Ⓞ	RA6009	D-7	Ⓞ
R4031	D-7	Ⓟ	R6013	E-6	Ⓞ	RA6011	C-3	Ⓟ
R4032	B-8	Ⓟ	R6014	E-7	Ⓞ	RA6013	E-3	Ⓟ
R4033	B-8	Ⓟ	R6015	E-7	Ⓞ	RA6014	D-3	Ⓟ
R4034	C-7	Ⓟ	R6016	E-7	Ⓞ	RA6015	E-6	Ⓞ
R4035	C-2	Ⓞ	R6017	D-5	Ⓞ			
R4036	C-7	Ⓟ	R6018	D-6	Ⓞ			
R4037	B-7	Ⓟ	R6019	D-6	Ⓞ			
R4038	C-8	Ⓟ	R6020	E-7	Ⓞ			
R4040	B-7	Ⓟ	R6021	E-7	Ⓞ			
R4041	B-7	Ⓟ	R6022	F-8	Ⓞ			
R4042	B-7	Ⓟ	R6023	E-7	Ⓞ			
R4048	C-7	Ⓟ	R6024	C-2	Ⓟ			
R4060	D-7	Ⓟ	R6025	D-6	Ⓞ			
R4101	C-7	Ⓟ	R6026	E-7	Ⓞ			
R4102	C-6	Ⓟ	R6027	F-5	Ⓞ			
R4103	C-6	Ⓟ	R6028	E-2	Ⓟ			
R4104	C-6	Ⓟ	R6029	E-2	Ⓟ			
R4105	C-3	Ⓞ	R6030	D-1	Ⓟ			
R4106	C-3	Ⓞ	R6031	D-6	Ⓞ			
R4107	C-3	Ⓞ	R6032	D-3	Ⓟ			
R4108	B-6	Ⓟ	R6033	E-2	Ⓟ			
R4109	C-5	Ⓟ	R6034	E-2	Ⓟ			
R4110	B-6	Ⓟ	R6035	D-3	Ⓟ			
R4111	C-5	Ⓟ	R6036	D-3	Ⓟ			
R4112	C-5	Ⓟ	R6037	D-3	Ⓟ			
R4113	C-6	Ⓟ	R6038	D-1	Ⓟ			
R4114	C-6	Ⓟ	R6039	D-8	Ⓞ			
R4115	C-7	Ⓟ	R6040	E-1	Ⓟ			
R4116	C-6	Ⓟ	R6042	E-1	Ⓟ			
R4117	B-7	Ⓟ	R6044	E-8	Ⓞ			
R4118	B-6	Ⓟ	R6045	D-8	Ⓞ			
R4119	B-6	Ⓟ	R6046	D-6	Ⓞ			
R4120	B-6	Ⓟ	R6047	E-3	Ⓟ			
R4801	C-1	Ⓞ	R6050	E-6	Ⓞ			
R4802	C-1	Ⓞ	R6051	E-7	Ⓞ			
R4803	B-1	Ⓞ	R6053	C-2	Ⓟ			
R4804	B-1	Ⓞ	R6055	E-2	Ⓟ			
R4805	C-1	Ⓞ	R6056	C-3	Ⓟ			
R4806	C-1	Ⓞ	R6057	E-3	Ⓟ			
R4807	C-8	Ⓟ	R6058	D-7	Ⓞ			
R4808	C-8	Ⓟ	R6059	C-2	Ⓟ			
R4809	C-8	Ⓟ	R6062	E-3	Ⓟ			
R4810	B-8	Ⓟ	R6063	C-2	Ⓟ			
R4811	C-8	Ⓟ	R6065	E-1	Ⓟ			
R4812	C-8	Ⓟ	R6067	E-8	Ⓞ			
R4824	B-8	Ⓟ	R6068	E-8	Ⓞ			
R5001	B-5	Ⓟ	R6069	E-8	Ⓞ			
R5002	A-4	Ⓞ	R6082	C-2	Ⓟ			
R5003	A-3	Ⓞ	R6085	E-8	Ⓞ			
R5004	B-6	Ⓟ	R6086	E-8	Ⓞ			
R5005	B-4	Ⓞ	R6087	C-2	Ⓟ			
R5007	A-4	Ⓞ	R6089	D-6	Ⓞ			
R5008	A-4	Ⓞ	R6095	E-2	Ⓟ			
R5009	B-6	Ⓟ	R6097	C-6	Ⓞ			
R5010	B-6	Ⓟ	R6098	C-6	Ⓞ			
R5500	C-7	Ⓟ	R6099	D-4	Ⓟ			
R5502	C-3	Ⓞ	R6100	E-4	Ⓟ			
R5503	C-5	Ⓟ	R6115	E-1	Ⓟ			
R5504	B-7	Ⓟ	R6202	D-8	Ⓞ			
R5505	B-7	Ⓟ	R6204	E-2	Ⓟ			
R5508	B-3	Ⓞ	R6205	E-2	Ⓟ			
R5510	B-3	Ⓞ	R6206	E-2	Ⓟ			
R5513	B-7	Ⓟ	R6207	E-2	Ⓟ			
R5514	A-6	Ⓟ	R6208	D-7	Ⓞ			
R5515	A-8	Ⓟ	R6209	D-7	Ⓞ			
R5516	B-4	Ⓟ	R6210	E-6	Ⓞ			

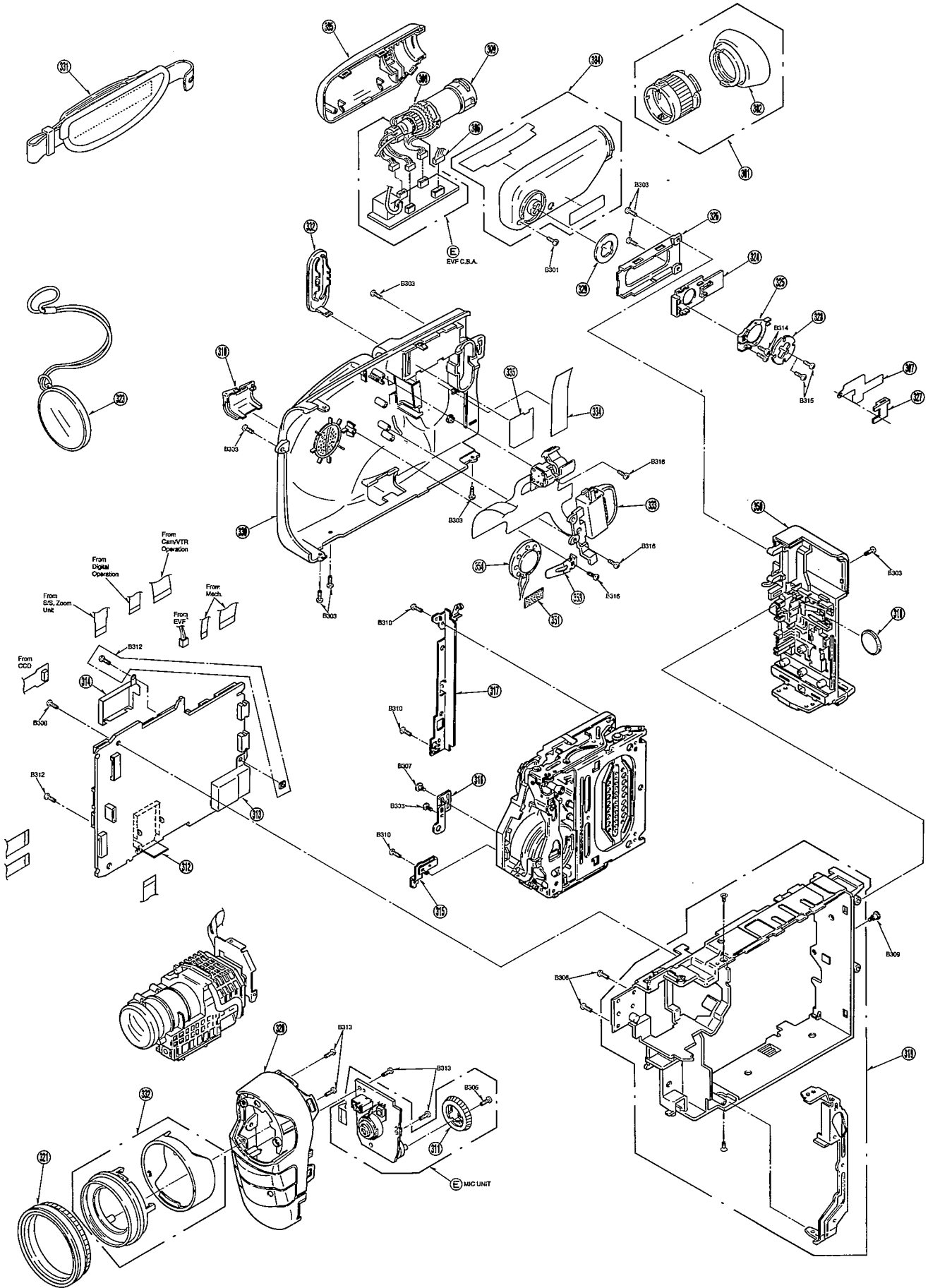
ADDRESS INFORMATION

Ⓞ...COMPONENT SIDE

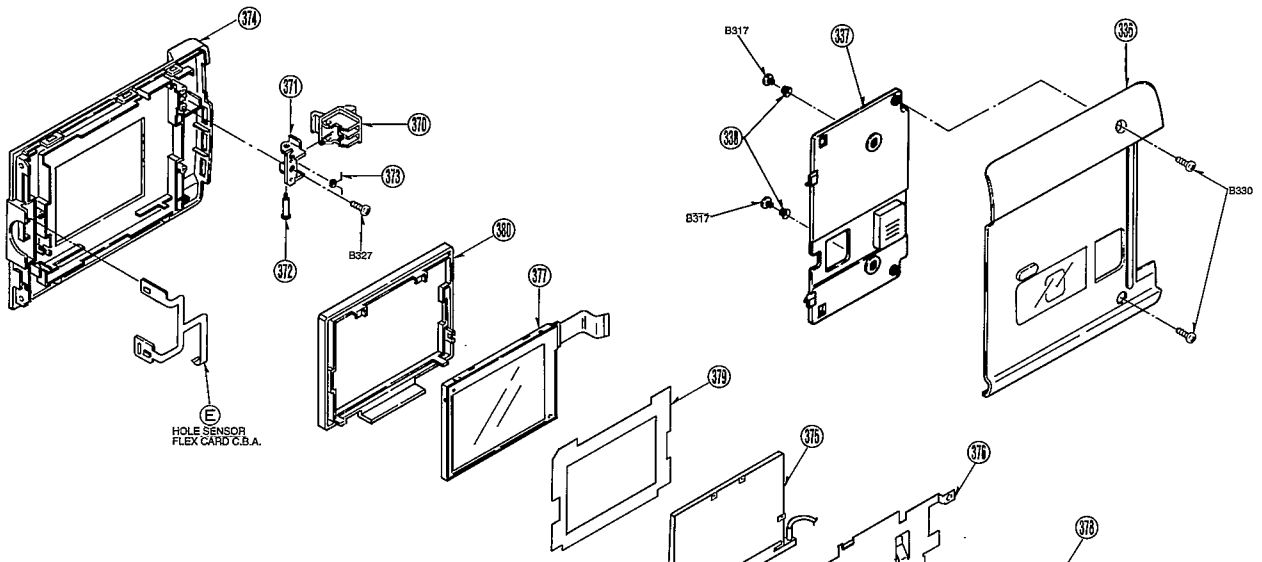
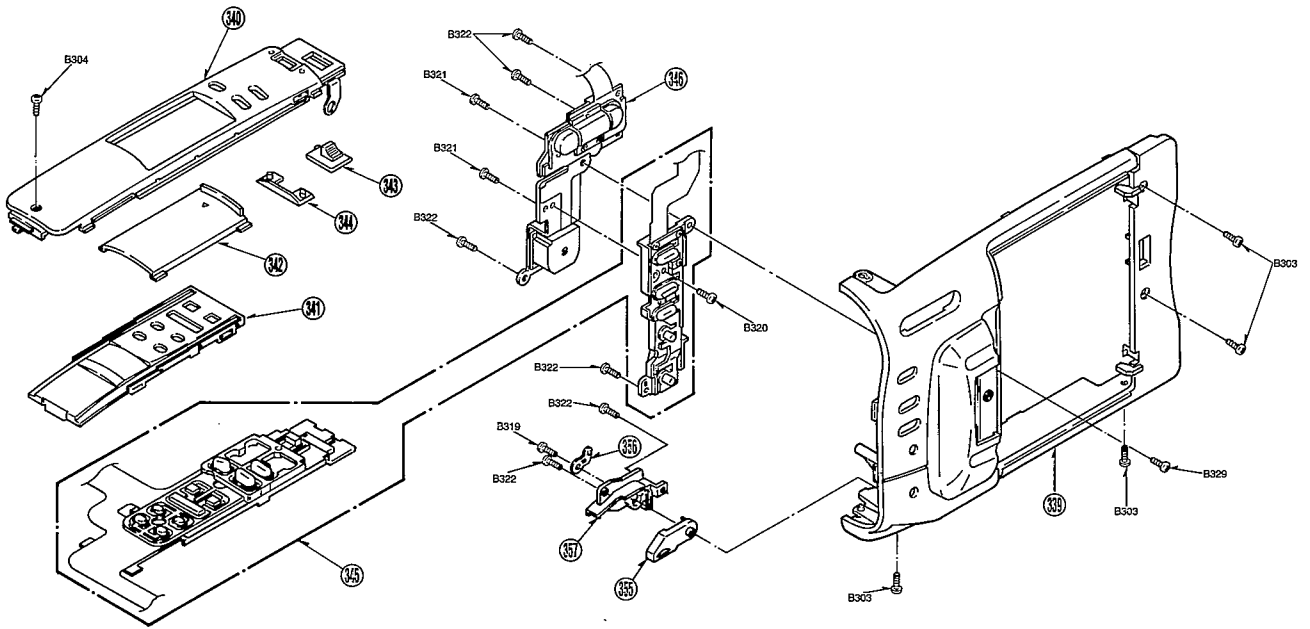
Ⓟ...FOIL SIDE

# EXPLODED VIEWS

## 5 FRAME & CASING PARTS SECTION

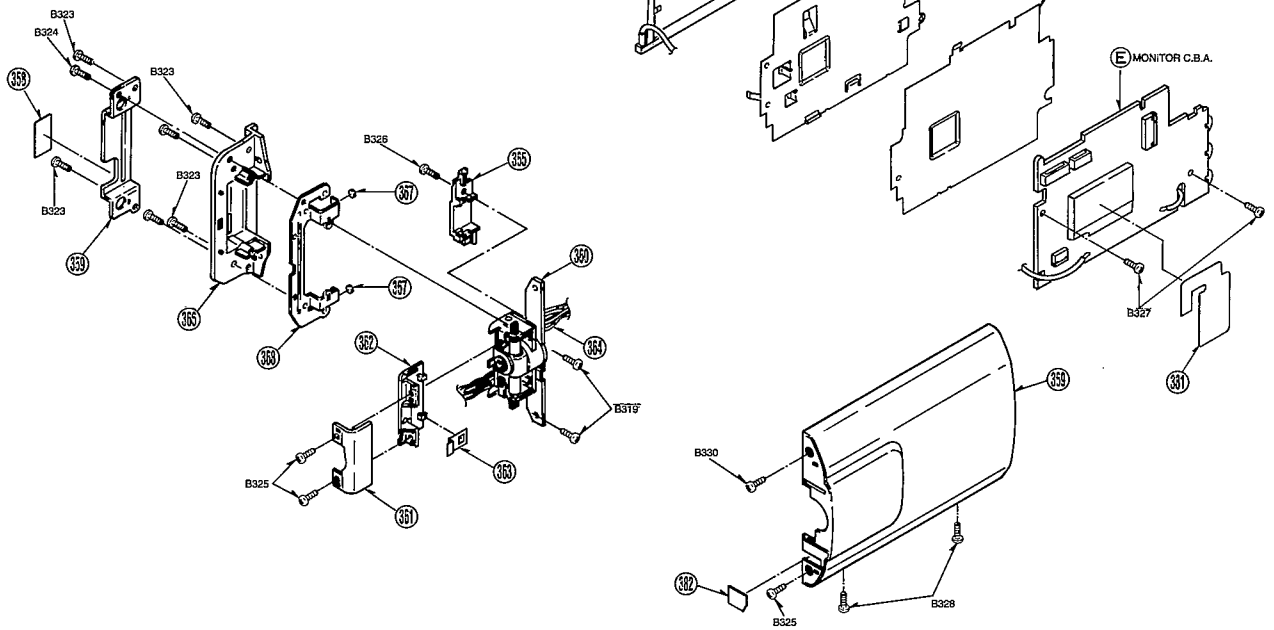




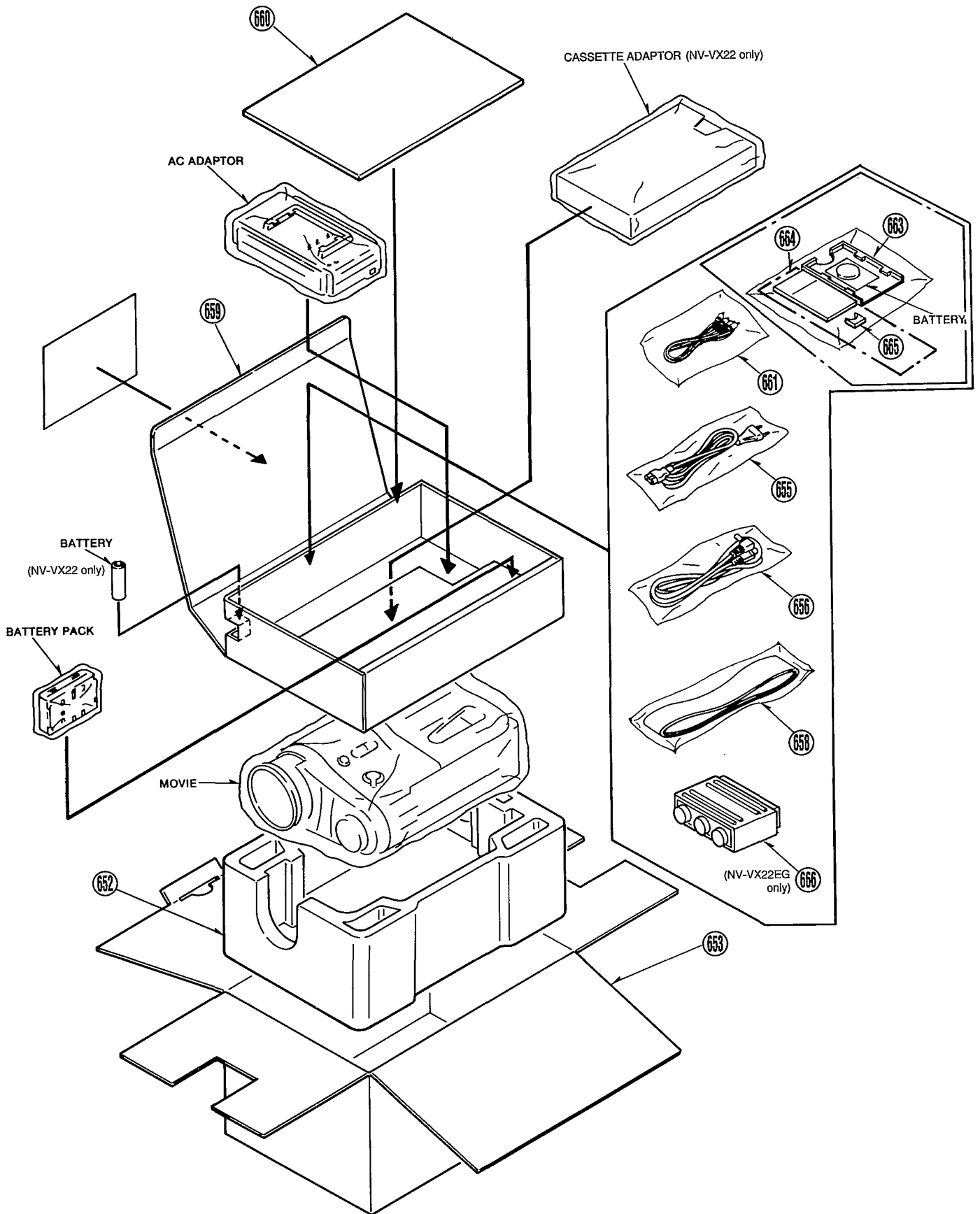


E  
HOLE SENSOR  
FLEX CARD C.B.A.

E  
MONITOR C.B.A.



# 6 PACKING PARTS & ACCESSORIES SECTION



# ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.  
 2. IMPORTANT SAFETY NOTICE: Components identified with the mark  $\Delta$  have the special characteristics for safety. When replacing any of these components, use only the same type.  
 3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS(uf), P=ufF.  
 4. The P.C. Board units marked with "■" show below the main assembled parts.  
 5. The marking (RTL) indicates the retention time is limited for this item.  
 After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	■ VEP23449E	CAMERA/MAIN C. B. A.	1	(RTL)
	■ VEP26197A	MONITOR C. B. A.	1	(RTL)
	■ VEP06G50A	HALL SENSOR FLEX. GARD	1	(RTL)
	■ VEP23449E	CAMERA/MAIN C. B. A.		(RTL)
G201, 02	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
G203	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G205	EGUX1H220JCV	G. CAPACITOR CH 50V 22P	1	
G206	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G207, 08	EGUM1C224KBN	G. CAPACITOR CH 16V 0.22U	2	
G211	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G212, 13	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
G215	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G216	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G218	ECEV1AA101U	E. CAPACITOR CH 10V 100U	1	
G219	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G228	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G231	EGUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
G232	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G301	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G302	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G304, 05	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	2	
G307	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G308	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G309	EGUX1H470JCV	G. CAPACITOR CH 50V 47P	1	
G310	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G311	EGUX1H820JCV	G. CAPACITOR CH 50V 82P	1	
G312	EGUX1H080CCV	G. CAPACITOR CH 50V 8P	1	
G313	EGUM1G683KBV	G. CAPACITOR CH 16V 0.068U	1	
G315	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G316, 17	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	2	
G318	EGST1AY225Z	T. CAPACITOR CH 16V 2.2U	1	
G319	EGUM1C224KBN	G. CAPACITOR CH 16V 0.22U	1	
G321	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G322, 23	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
G324	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G325	EGUX1H220JCV	G. CAPACITOR CH 50V 22P	1	
G326	EGUX1A105ZFV	G. CAPACITOR CH 10V 1U	1	
G327-31	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	5	
G332	EGUM1G683KBV	G. CAPACITOR CH 16V 0.068U	1	
G333	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G334	EGUX1H080CCV	G. CAPACITOR CH 50V 8P	1	
G335	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G337, 38	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
G340, 41	EGUM1G683KBV	G. CAPACITOR CH 16V 0.068U	2	
G701	EGUX1H332KBV	G. CAPACITOR CH 50V 3300P	1	
G702	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G703	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G704	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G705	EGUX1C104ZFV	G. CAPACITOR CH 16V 0.1U	1	
G706, 07	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	2	
G708	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G709	ECEV1AA101U	E. CAPACITOR CH 10V 100U	1	
G710	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G711	ECEV1CA470P	E. CAPACITOR CH 16V 47U	1	
G712	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G713	EGUX1H332KBV	G. CAPACITOR CH 50V 3300P	1	
G714	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G715	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G716	EGUM1H104ZFN	G. CAPACITOR CH 50V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
G717	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G718	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G719	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G720	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G721	EGUX1H222KBV	G. CAPACITOR CH 50V 2200P	1	
G724	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G725, 26	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	2	
G727	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G731	EGUM1C224KBN	G. CAPACITOR CH 16V 0.22U	1	
G732	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G1001	EGUM1A225KBM	G. CAPACITOR CH 10V 2.2U	1	
G1003	EGUM1A335KBM	G. CAPACITOR CH 10V 3.3U	1	
G1004	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G1005	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1008	EGUM1A335KBM	G. CAPACITOR CH 10V 3.3U	1	
G1009	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G1010	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1012	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G1014	EGUX1H561JCV	G. CAPACITOR CH 50V 560P	1	
G1017	EGUM1E105KBM	G. CAPACITOR CH 25V 1U	1	
G1019, 20	EGUM1E334KBM	G. CAPACITOR CH 25V 0.33U	2	
G1022	EGUM1E104KBN	G. CAPACITOR CH 25V 0.1U	1	
G1023	EGUM1C334KBN	G. CAPACITOR CH 16V 0.33U	1	
G1024	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G1025	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G1026	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
G1027	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G1028	ECEV1HAR47	E. CAPACITOR CH 50V 0.47U	1	
G1030	EGUX1H472KBV	G. CAPACITOR CH 50V 4700P	1	
G1032	EGUX1H472KBV	G. CAPACITOR CH 50V 4700P	1	
G1033-35	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	3	
G1037	EGUX1C471KBV	G. CAPACITOR CH 16V 470P	1	
G1038	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G1041	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G1044	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1046	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G1051	EGUM1C334KBN	G. CAPACITOR CH 16V 0.33U	1	
G1055	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1057	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1064	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G1066	EGUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
G1071	EGUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
G1073	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G1080, 81	EGUX1C473KBV	G. CAPACITOR CH 16V 0.047U	2	
G1603	ECEV1CA220P	E. CAPACITOR CH 16V 22U	1	
G1708	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
G1803	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
G1804, 05	ECEV05A470	E. CAPACITOR CH 4V 47U	2	
G2001, 02	EGST1CY105Z	T. CAPACITOR CH 16V 1U	2	
G2003	EGUX1H332KBV	G. CAPACITOR CH 50V 3300P	1	
G2004	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G2005	EGUX1H152KBV	G. CAPACITOR CH 50V 1500P	1	
G2007	EGST1CY105Z	T. CAPACITOR CH 16V 1U	1	
G2009	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G2010	EGUX1C104ZFV	G. CAPACITOR CH 16V 0.1U	1	
G2011	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G2012, 13	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
G2014	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G2015-17	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	3	
G2018	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G2020-22	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	3	
G2023	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
G2025-27	EGUX1C104ZFV	G. CAPACITOR CH 16V 0.1U	3	
G2028	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
G2029	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G2033	EGUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
G2040-42	EGUX1C473KBV	G. CAPACITOR CH 16V 0.047U	3	
G2043	EGUX1C104ZFV	G. CAPACITOR CH 16V 0.1U	1	
G2070	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
G3001	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
G3004	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
G3005	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
G3006	EGUX1H270JCV	G. CAPACITOR CH 50V 27P	1	
G3007	EGUX1H102KBV	G. CAPACITOR CH 50V 1000P	1	
G3008	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3009	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C5018	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1	
C3016	EGUX1H151JCV	C. CAPACITOR CH 50V 150P	1		C5019	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C3017	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C5020, 21	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
C3018	EGUX1H330JCV	C. CAPACITOR CH 50V 33P	1		C5022	EGUX1G104KBV	G. CAPACITOR CH 16V 0.1U	1	
C3019, 20	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		C5023	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C3022	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C5041	EGUX1H101JCV	G. CAPACITOR CH 50V 100P	1	
C3023	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C5501, 02	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	2	
C3024	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C5504	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C3026	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C5505, 06	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	2	
C3027	ECEV1AAN100	E. CAPACITOR CH 10V 10U	1		C5507	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C3028	ECEVOGA471	E. CAPACITOR CH 4V 470U	1		C5508	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C3029	ECEV1CA100	E. CAPACITOR CH 16V 10U	1		C5509	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1	
C3030	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C5510	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C3031	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C5511	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3033	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C5512	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C3035	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		C5513	EGUX1C473KBV	G. CAPACITOR CH 16V 0.047U	1	
C4001	EGYX1H821JCV	C. CAPACITOR CH 50V 820P	1		C5514	EGUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C4002	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		C5515	EGUX1H181JCV	G. CAPACITOR CH 50V 180P	1	
C4003	EGUX1H822KBV	C. CAPACITOR CH 50V 8200P	1		C5516	EGUX1H390JCV	G. CAPACITOR CH 50V 39P	1	
C4004	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		C5517	EGUX1C474KBN	G. CAPACITOR CH 16V 0.47U	1	
C4008	ECEV05A470	E. CAPACITOR CH 4V 47U	1		C5518	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4009	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1		C5519	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C4011	ECEV05A470	E. CAPACITOR CH 4V 47U	1		C5520	EGUX1C333KBV	G. CAPACITOR CH 16V 0.033U	1	
C4012	EGSTOJY226Z	T. CAPACITOR CH 6.3V 22U	1		C5521	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4014	EGUX1E223KBV	C. CAPACITOR CH 25V 0.022U	1		C5522	EGUX1H090CGV	G. CAPACITOR CH 50V 9P	1	
C4015	EGUX1H682KBV	C. CAPACITOR CH 50V 6800P	1		C5523	EGUX1H180JCV	G. CAPACITOR CH 50V 18P	1	
C4016	EGUM2A472JCM	C. CAPACITOR CH 100V 4700P	1		C5525	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4017	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1		C5526	EGUX1H040CGV	G. CAPACITOR CH 50V 4P	1	
C4019, 20	EGUX1C474KBN	C. CAPACITOR CH 16V 0.47U	2		C5527	EGUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
C4021, 22	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2		C5530	EGUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C4023	EGUX1H332KBV	C. CAPACITOR CH 50V 3300P	1		C5531	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4024	EGST1CY475Z	T. CAPACITOR CH 16V 4.7U	1		C5533	EGUM1E273KBV	C. CAPACITOR CH 25V 0.027U	1	
C4025	EGSTOJY685Z	T. CAPACITOR CH 6.3V 6.8U	1		C5534	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4026	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6001	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4027	EGST1AY225Z	T. CAPACITOR CH 10V 2.2U	1		C6002	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C4028	EGUX1H561JCV	C. CAPACITOR CH 50V 560P	1		C6003-05	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C4029	EGUX1H122KBV	C. CAPACITOR CH 50V 1200P	1		C6006, 07	EGUX1H150JCV	G. CAPACITOR CH 50V 15P	2	
C4030	EGUX1H221JCV	G. CAPACITOR CH 50V 220P	1		C6008	EGUX1C104ZV	C. CAPACITOR CH 16V 0.1U	1	
C4031	EGUX1H561JCV	C. CAPACITOR CH 50V 560P	1		C6009-11	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C4032	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C6012, 13	EGUX1H070DGV	C. CAPACITOR CH 50V 7P	2	
C4034	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		C6014	EGUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C4035	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C6016	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C4036	EGSTOJY335Z	T. CAPACITOR CH 6.3V 3.3U	1		C6018	ECEV1CA470P	E. CAPACITOR CH 16V 47U	1	
C4037	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1		C6025	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4038	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		C6027	ECEVOGA101	E. CAPACITOR CH 4V 100U	1	
C4101	ECEV05A470	E. CAPACITOR CH 4V 47U	1		C6029	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C4102	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6030	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4103	ECEVOJA131	E. CAPACITOR CH 6.3V 130U	1		C6031	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4104	EGUX1H562KBV	C. CAPACITOR CH 50V 5600P	1		C6032	EGUX1C104ZV	C. CAPACITOR CH 16V 0.1U	1	
C4105	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6033, 34	EGUX1H101JCV	C. CAPACITOR CH 50V 100P	2	
C4106	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		C6035	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4108	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6039	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C4110	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6042	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4111	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		C6049, 50	ECEV1CA100	E. CAPACITOR CH 16V 10U	2	
C4112	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C6051	EGUX1E223KBV	C. CAPACITOR CH 25V 0.022U	1	
C4113, 14	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	2		C6052	EGUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4115	EGUX1H222KBV	C. CAPACITOR CH 50V 2200P	1		C6060	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C4116	EGUM1H333KBN	C. CAPACITOR CH 50V 0.033U	1		C6061	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4117	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6201	EGUX1C104ZV	C. CAPACITOR CH 16V 0.1U	1	
C4119, 20	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	2		C6202	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C4801	EGUX1C823KBV	C. CAPACITOR CH 16V 0.082U	1		C6203	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
C4802	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		C6204	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C4803	EGUM1E273KBV	C. CAPACITOR CH 25V 0.027U	1		C6205	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4804	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1		C6206	ECEVOGA101	E. CAPACITOR CH 4V 100U	1	
C4805, 06	EGUM1E273KBV	C. CAPACITOR CH 25V 0.027U	2		C6207	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4807	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		C6208	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C4808	EGUX1H123KBV	C. CAPACITOR CH 50V 0.012U	1		C6209	ECEVOJA220	E. CAPACITOR CH 6.3V 22U	1	
C5001-04	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	4		C6210	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C5005-08	EGUX1H270JCV	C. CAPACITOR CH 50V 27P	4						
C5009, 10	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2		D204	1SS355	DIODE	1	
C5011	EGUX1C473KBV	G. CAPACITOR CH 16V 0.047U	1		D303, 04	MA728	DIODE	2	
C5012, 13	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2		D1002	EG20GS06	DIODE	1	
C5014	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		D1006, 07	MA111	DIODE	2	
C5016	EGSTOJY106Z	T. CAPACITOR CH 6.3V 10U	1		D1009	MA8220-M	DIODE	1	
C5017	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		D1010	MA111	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1015	EG15QS04	DIODE	1	
D1020	1SS355	DIODE	1	
D1601	MA8130M	DIODE	1	
D1603	MA8130M	DIODE	1	
D1706	MA111	DIODE	1	
D1801	MA132HK	DIODE	1	
D1802	MA728	DIODE	1	
D3001	MA133	DIODE	1	
D3004	MA111	DIODE	1	
D4101	MA132HK	DIODE	1	
D6001	MA111	DIODE	1	
D6002-04	MA132WA	DIODE	3	
D6005	MA111	DIODE	1	
D6006	MA728	DIODE	1	
D6008	MA111	DIODE	1	
D6009	MA133	DIODE	1	
D6010	MA111	DIODE	1	
D6011	MA133	DIODE	1	
D6012	MA132WA	DIODE	1	
D6013	MA133	DIODE	1	
D6016	MA133	DIODE	1	
D6201	MA111	DIODE	1	
FP701	VJS3319B018	CONNECTOR (FEMALE) 18P	1	
FP2001	VJS3911A007	CONNECTOR (FEMALE) 7P	1	
FP2002	VJS2959D018	CONNECTOR (FEMALE) 18P	1	
FP4001	VJS2958D009	CONNECTOR (FEMALE) 9P	1	
FP4002	VJS3654B012	CONNECTOR (FEMALE) 12P	1	
FP5001	VJS2959B013	CONNECTOR (FEMALE) 13P	1	
FP6001	VJS2959D018	CONNECTOR (FEMALE) 18P	1	
FP6002	VJS2959B006	CONNECTOR (FEMALE) 6P	1	
FP6003	VJS3319B010	CONNECTOR (FEMALE) 10P	1	
FP6004	VJS3654B008	CONNECTOR (FEMALE) 8P	1	
FP6006	VJS3320B026	CONNECTOR (FEMALE) 26P	1	
IC202	MN31121SA	IC	1	
IC203	M52948FP	IC	1	
IC301	F712510APBW	IC	1	
IC302	M62366GP	IC	1	
IC303	XC62FP3302MR	IC	1	
IC304	UPD6461GS661	IC	1	
IC306	TC7W04F	IC	1	
IC701, 02	TB6526F	IC	2	
IC703	TA75S393F	IC	1	
IC706	NJM2115VA	IC	1	
IC710	MN1882421CA3	IC	1	
IC711	TA75W01FU	IC	1	
IC1001	BA9706K	IC	1	
IC2001	TB6518F	IC	1	
IC2002, 03	UN224	TRANSISTOR-RESISTOR	2	
IC3001	HA118603F	IC	1	
IC4101	NJM2073M	IC	1	
IC5001	AN3355FHP	IC	1	
IC5501	MSM7470-73MS	IC	1	
IC6001	MN675556BB	IC	1	
IC6002	MM1355AFFE	IC	1	
IC6003	TA75W393FU	IC	1	
IC6004	AK6480AF	IC	1	
IC6005	BA6289F	IC	1	
IC6006	TA75W393FU	IC	1	
IC6011	UPD7564G557	IC	1	
L201	VLQ0426J470	COIL 47UH	1	
L205	VLQ0319K470	COIL 47UH	1	
L301	VLQ0426J2R2	COIL 2.2UH	1	
L302	VLQ0426J220	COIL 22UH	1	
L303	VLQ0426J6R8	COIL 6.8UH	1	
L306	VLQ0319K100	COIL 10UH	1	
L307	VLQ0426J220	COIL 22UH	1	
L703, 04	VLQ0319K100	COIL 10UH	2	
L1001	VLQ0833M4R7	COIL 4.7UH	1	
L1002	VLQ0833M220	COIL 22UH	1	
L1003	VLQ0834M4R7	COIL 4.7UH	1	
L1004	VLQ0319K100	COIL 10UH	1	
L1006	VLQ0319K100	COIL 10UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1007	VLQ0833M101	COIL 100UH	1	
L1008	VLQ0834M4R7	COIL 4.7UH	1	
L1010	VLQ0319K100	COIL 10UH	1	
L1011	VLQ0319K101	COIL 100UH	1	
L1013, 14	VLQ0319K100	COIL 10UH	2	
L1015	VLQ0319K470	COIL 47UH	1	
L1016	VLQ0319K101	COIL 100UH	1	
L1062	VLQ0833M330	COIL 33UH	1	
L3002	VLQ0319K100	COIL 10UH	1	
L3003	VLQ0163J820	COIL 82UH	1	
L4005	VLQ0319K101	COIL 100UH	1	
L4101, 02	VLQ0319K101	COIL 100UH	2	
L5001-04	VLQ0319K470	COIL 47UH	4	
L5501	VLQ0319K100	COIL 10UH	1	
L5502	VLQ0163J100	COIL 10UH	1	
L5503	ELJFC120ZB	CHIP INDUCTOR	1	
L5504	VLQ0163J390	COIL 39UH	1	
L5506	VLQ0319K470	COIL 47UH	1	
L5507	VLQ0163J121	COIL 120UH	1	
L5508	VLQ0163J471	COIL 470UH	1	
LB201, 02	VLP0153	COIL	2	
LB302-04	VLP0175	COIL	3	
LB1601, 02	VLP0307	COIL	2	
P1001	VJP3172D004	CONNECTOR (MALE) 4P	1	
P1004	VJP4004G009P	CONNECTOR (MALE) 9P	1	
P4101	VJP3172D002	CONNECTOR (MALE) 2P	1	
P4103	VJP4002D013P	CONNECTOR (MALE) 13P	1	
PP201	VJP3358C012	CONNECTOR (MALE) 12P	1	
PP3001	VJP3359D040	CONNECTOR (MALE) 40P	1	
PS1003	VJS4005B004	CONNECTOR (FEMALE) 4P	1	
PS3009	VJS4005B004	CONNECTOR (FEMALE) 4P	1	
Q301	XP4401	TRANSISTOR	1	
Q302	XP4601	TRANSISTOR-TRANSISTOR	1	
Q303	2SD2216	TRANSISTOR	1	
Q701-03	1MT17T110	TRANSISTOR	3	
Q704	2SD601A	TRANSISTOR	1	
Q705	2SD1030	TRANSISTOR	1	
Q706	1MT17T110	TRANSISTOR	1	
Q1001	2SA1731-R	TRANSISTOR	1	
Q1003	MPL1	TRANSISTOR	1	
Q1004	2SD2210	TRANSISTOR	1	
Q1010	2SB1462-R	TRANSISTOR	1	
Q1062	MPL1	TRANSISTOR	1	
Q1801	2SD2216-R	TRANSISTOR	1	
Q1802	XP1401	TRANSISTOR	1	
Q1803	2SB1462-R	TRANSISTOR	1	
Q1804	2SD2216-R	TRANSISTOR	1	
Q1805	2SD2216	TRANSISTOR	1	
Q1806	2SB1462-R	TRANSISTOR	1	
Q3001	XP4501	TRANSISTOR-TRANSISTOR	1	
Q3002	XP4401	TRANSISTOR	1	
Q3010	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4001	XP6401	TRANSISTOR	1	
Q4002	2SD602-R	TRANSISTOR	1	
Q4003	2SB1219	TRANSISTOR	1	
Q4004	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4006	2SB1462-R	TRANSISTOR	1	
Q4007	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4009	2SD2216	TRANSISTOR	1	
Q4014	XP4601	TRANSISTOR-TRANSISTOR	1	
Q4101-03	2SD2216	TRANSISTOR	3	
Q4801	2SD2216	TRANSISTOR	1	
Q4802	XP4501	TRANSISTOR-TRANSISTOR	1	
Q5001, 02	XN4504	TRANSISTOR	2	
Q5003	2SA812	TRANSISTOR	1	
Q5501	2SD2216	TRANSISTOR	1	
Q5502	2SB1462-R	TRANSISTOR	1	
Q5503	2SD2216	TRANSISTOR	1	
Q6002	2SD2216	TRANSISTOR	1	
Q6005	XP1501	TRANSISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6006	ZSB1462-R	TRANSISTOR	1	
Q6007	ZSD2216	TRANSISTOR	1	
Q6201	ZSB1462-R	TRANSISTOR	1	
QR201	XP1212	TRANSISTOR-RESISTOR	1	
QR701	MRN1102	TRANSISTOR-RESISTOR	1	
QR1001	MRN2102	TRANSISTOR-RESISTOR	1	
QR1005	UN9217	TRANSISTOR-RESISTOR	1	
QR1061	MRN2111	TRANSISTOR-RESISTOR	1	
QR1881	MRN1107	TRANSISTOR-RESISTOR	1	
QR1882	UN2130X	TRANSISTOR-RESISTOR	1	
QR2002	MRN1111	TRANSISTOR-RESISTOR	1	
QR3001	MRN1104	TRANSISTOR-RESISTOR	1	
QR4003	MRN2103	TRANSISTOR-RESISTOR	1	
QR4004	XP1215	TRANSISTOR-RESISTOR	1	
QR4005	MRN1104	TRANSISTOR-RESISTOR	1	
QR4008	MRN1104	TRANSISTOR-RESISTOR	1	
QR4101	UN2130X	TRANSISTOR-RESISTOR	1	
QR4102	MRN1102	TRANSISTOR-RESISTOR	1	
QR4103	MRN2102	TRANSISTOR-RESISTOR	1	
QR4104	MRN1104	TRANSISTOR-RESISTOR	1	
QR5502	MRN1103	TRANSISTOR-RESISTOR	1	
QR5504	MRN1104	TRANSISTOR-RESISTOR	1	
QR5505	XP1213	TRANSISTOR-RESISTOR	1	
QR6001	MRN2111	TRANSISTOR-RESISTOR	1	
QR6002	UN9210	TRANSISTOR-RESISTOR	1	
QR6003	MRN2103	TRANSISTOR-RESISTOR	1	
QR6004	XP4115	TRANSISTOR-RESISTOR	1	
QR6007	MRN1102	TRANSISTOR-RESISTOR	1	
QR6008	MRN1104	TRANSISTOR-RESISTOR	1	
QR6012	MRN1104	TRANSISTOR-RESISTOR	1	
QR6014	UN9210	TRANSISTOR-RESISTOR	1	
QR6015	MRN1111	TRANSISTOR-RESISTOR	1	
QR6050	XP1213	TRANSISTOR-RESISTOR	1	
R201	ERJ36YG472	M. RESISTOR CH 1/16W 4.7K	1	
R203	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R204, 05	ERJ36YG472	M. RESISTOR CH 1/16W 4.7K	2	
R208	ERJ36EYJ153	M. RESISTOR CH 1/16W 15K	1	
R209-11	ERJ36EYR00	M. RESISTOR CH 1/16W 0	3	
R212	ERJ36YG472	M. RESISTOR CH 1/16W 4.7K	1	
R214	ERJ36EYJ154	M. RESISTOR CH 1/16W 150K	1	
R219	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R220	ERJ36YG472	M. RESISTOR CH 1/16W 4.7K	1	
R221	ERJ36EYJ105	M. RESISTOR CH 1/16W 1M	1	
R225	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R226	ERJ36EYJ104	M. RESISTOR CH 1/16W 100K	1	
R227, 28	ERJ36EYJ105	M. RESISTOR CH 1/16W 1M	2	
R302	ERJ36EYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R303, 04	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	2	
R305	ERJ36EYJ681	M. RESISTOR CH 1/16W 680	1	
R306	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R307	ERJ3RBD513	M. RESISTOR CH 1/16W 51K	1	
R308	ERJ36EYJ473	M. RESISTOR CH 1/16W 47K	1	
R309	ERJ36EYJ123	M. RESISTOR CH 1/16W 12K	1	
R310, 11	ERJ36EYJ152	M. RESISTOR CH 1/16W 1.5K	2	
R312	ERJ36EYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R313	ERJ36YG472	M. RESISTOR CH 1/16W 4.7K	1	
R314	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R315	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R316	ERJ36EYJ152	M. RESISTOR CH 1/16W 1.5K	1	
R317	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R318, 19	ERJ36EYR00	M. RESISTOR CH 1/16W 0	2	
R320	ERJ36EYJ101	M. RESISTOR CH 1/16W 100	1	
R321	ERJ36EYJ105	M. RESISTOR CH 1/16W 1M	1	
R322	ERJ36EYJ391	M. RESISTOR CH 1/16W 390	1	
R323	ERJ36EYJ104	M. RESISTOR CH 1/16W 100K	1	
R324	ERJ36EYJ823	M. RESISTOR CH 1/16W 82K	1	
R325	ERJ3RBD683	M. RESISTOR CH 1/16W 68K	1	
R326	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R327	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R328	ERJ36EYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R329	ERJ36EYJ681	M. RESISTOR CH 1/16W 680	1	
R330	ERJ36EYJ473	M. RESISTOR CH 1/16W 47K	1	
R331	ERJ36EYJ562	M. RESISTOR CH 1/16W 5.6K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R332	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R333	ERJ36EYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R334	ERJ36EYJ221	M. RESISTOR CH 1/16W 220	1	
R335, 36	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	2	
R337, 38	ERJ36EYR00	M. RESISTOR CH 1/16W 0	2	
R339, 40	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	2	
R341	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R342, 43	ERJ36EYJ472	M. RESISTOR CH 1/16W 4.7K	2	
R344	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R402	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R701-04	ERJ36EYJ3R3	M. RESISTOR CH 1/16W 3.3	4	
R705, 06	ERJ36EYJ105	M. RESISTOR CH 1/16W 1M	2	
R707	ERJ36EYJ101	M. RESISTOR CH 1/16W 100	1	
R709	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R710	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R711	ERJ36EYJ335	M. RESISTOR CH 1/16W 3.3M	1	
R713	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R714	ERJ36EYJ473	M. RESISTOR CH 1/16W 47K	1	
R716	ERJ36EYJ102	M. RESISTOR CH 1/16W 1K	1	
R717	ERJ36EYJ560	M. RESISTOR CH 1/16W 56	1	
R718	ERJ36EYJ223	M. RESISTOR CH 1/16W 22K	1	
R719	ERJ36EYJ563	M. RESISTOR CH 1/16W 56K	1	
R720	ERJ36EYJ113	M. RESISTOR CH 1/16W 11K	1	
R721	ERJ36EYJ183	M. RESISTOR CH 1/16W 18K	1	
R722	ERJ36EYJ104	M. RESISTOR CH 1/16W 100K	1	
R723	ERJ3RBD221	M. RESISTOR CH 1/16W 220	1	
R724, 25	ERJ36EYR00	M. RESISTOR CH 1/16W 0	2	
R726	ERJ36EYJ471	M. RESISTOR CH 1/16W 470	1	
R727	ERJ36EYJ183	M. RESISTOR CH 1/16W 18K	1	
R728	ERJ36EYJ682	M. RESISTOR CH 1/16W 6.8K	1	
R729	ERJ36EYJ223	M. RESISTOR CH 1/16W 22K	1	
R730	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R731	ERJ36EYJ104	M. RESISTOR CH 1/16W 100K	1	
R732	ERJ36EYJ273	M. RESISTOR CH 1/16W 27K	1	
R733	ERJ36EYJ474	M. RESISTOR CH 1/16W 470K	1	
R734, 35	ERJ36EYJ123	M. RESISTOR CH 1/16W 12K	2	
R736, 37	ERJ36EYJ684	M. RESISTOR CH 1/16W 680K	2	
R738	ERJ36EYJ154	M. RESISTOR CH 1/16W 150K	1	
R740	ERJ36EYJ124	M. RESISTOR CH 1/16W 120K	1	
R741, 42	ERJ36EYR00	M. RESISTOR CH 1/16W 0	2	
R743	ERJ3RBD622	M. RESISTOR CH 1/16W 6.2K	1	
R745	ERJ36EYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R757, 58	ERJ36EYJ105	M. RESISTOR CH 1/16W 1M	2	
R761	ERJ3RBD222	M. RESISTOR CH 1/16W 2.2K	1	
R1001	ERJ6RBD822	M. RESISTOR CH 1/10W 8.2K	1	
R1002	ERJ6RBD272	M. RESISTOR CH 1/10W 2.7K	1	
R1005	ERJ6RBD472	M. RESISTOR CH 1/10W 4.7K	1	
R1006	ERJ6RBD272	M. RESISTOR CH 1/10W 2.7K	1	
R1007	ERJ8GEYJ330	M. RESISTOR CH 1/8W 33	1	
R1008	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1	
R1009	ERJ3RBD152	M. RESISTOR CH 1/16W 1.5K	1	
R1012	ERJ6RHD1873	M. RESISTOR CH 1/10W 18.7K	1	
R1013	ERJ6RBD473	M. RESISTOR CH 1/10W 47K	1	
R1014, 15	ERJ6RBB182	M. RESISTOR CH 1/10W 1.8K	2	
R1016	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R1017	ERJ6GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R1018	ERJ36EYJ151	M. RESISTOR CH 1/16W 150	1	
R1019	ERJ6GEYJ102	M. RESISTOR CH 1/10W 1K	1	
R1020	ERJ36EYJ151	M. RESISTOR CH 1/16W 150	1	
R1021	ERJ36EYJ330	M. RESISTOR CH 1/16W 33	1	
R1022	ERJ36EYJ150	M. RESISTOR CH 1/16W 15	1	
R1023	ERJ36EYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R1024	ERJ36EYJ470	M. RESISTOR CH 1/16W 47	1	
R1025	ERJ6GEYJ103	M. RESISTOR CH 1/10W 10K	1	
R1035	ERJ36EYJ470	M. RESISTOR CH 1/16W 47	1	
R1037	ERJ36EYJ470	M. RESISTOR CH 1/16W 47	1	
R1038	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
R1039	ERJ3RBD561	M. RESISTOR CH 1/16W 560	1	
R1040	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
R1051	ERJ3RBD273	M. RESISTOR CH 1/16W 27K	1	
R1052	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R1057	ERJ36EYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R1063	ERJ36EYJ103	M. RESISTOR CH 1/16W 10K	1	
R1065	ERJ36EYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R1066	ERJ36EYJ392	M. RESISTOR CH 1/16W 3.9K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1067	ERJ3GEYJ23	M. RESISTOR CH 1/16W 22K	1	
R1068	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R1069	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R1071	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R1072	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R1073	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1085, 86	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
△ R1601	VSF0226D25T	FUSE	1	
R1602	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R1603	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1	
R1699	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
R1724	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R1726	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R1727	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R1728, 29	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	2	
R1801	ERJ6RED684	M. RESISTOR CH 1/10W 680K	1	
R1802	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R1803	ERJ3RED204	M. RESISTOR CH 1/16W 200K	1	
R1804	ERJ3GEYJ244	M. RESISTOR CH 1/16W 240K	1	
R1808	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R1809	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R1810	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R1811	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R1812	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R1813	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R1814	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R1815, 16	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	2	
R1883	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R2001	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2002	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R2003	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2004	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
R2005	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R2006	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R2007	ERJ8GEYJR47	M. RESISTOR CH 1/8W 0.47	1	
R2008	ERJ8GEYJR33	M. RESISTOR CH 1/8W 0.33	1	
R2009	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R2010	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R2012	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R2015	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R2016	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2017	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2018	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R2019, 20	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	2	
R2021	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R2022	ERJ8GEYJR33	M. RESISTOR CH 1/8W 0.33	1	
R2024	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R2040-42	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	3	
R3001	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3002	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3004	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3005	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R3006	ERJ3RBD682	M. RESISTOR CH 1/16W 6.8K	1	
R3007	ERJ3RBD202	M. RESISTOR CH 1/16W 2K	1	
R3009	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3010	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R3018	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	
R3020	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R3022	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R3023	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R3025	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R3026	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3034	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R3057	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R3059	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R3060	ERJ3RED620	M. RESISTOR CH 1/16W 620	1	
R4001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R4002	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4004	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R4005	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R4006	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4007	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4008	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4009	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4010	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1	
R4011	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4012	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R4013	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
R4014	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R4015, 16	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	
R4017	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4018	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R4019	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R4020	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R4021	ERJ3RBD393	M. RESISTOR CH 1/16W 39K	1	
R4022	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R4023	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R4024	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R4025	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4026	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R4027, 28	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	2	
R4029	ERJ3RBD103	M. RESISTOR CH 1/16W 10K	1	
R4030	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R4031	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4032	ERJ3RBD151	M. RESISTOR CH 1/16W 150	1	
R4033	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4034	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4035	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R4036	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4037	ERJ3RBD822	M. RESISTOR CH 1/16W 8.2K	1	
R4038	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
R4040	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4041	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R4042	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R4048	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4060	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R4101	ERJ6GEYJ2R2	M. RESISTOR CH 1/10W 2.2	1	
R4102, 03	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4104	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R4105	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R4106	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4107	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1	
R4108	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4109	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R4110	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4111	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R4112	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R4113	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1	
R4114	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R4115, 16	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
R4117	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R4118	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R4119	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4120, 21	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4801	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R4802	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4803	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4804	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R4805	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R4806	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R4807	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R4808, 09	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	2	
R4810	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R4811	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4812	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4824	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R5002, 03	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	2	
R5004	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R5005	ERJ3GEYG113	M. RESISTOR CH 1/16W 11K	1	
R5007	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R5008	ERJ6GEYJ4R7	M. RESISTOR CH 1/10W 4.7	1	
R5009	ERJ3GEYJ274	M. RESISTOR CH 1/16W 270K	1	
R5010	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R5500	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5502	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R5503	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R5504	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R5505	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5508	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5510	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5513	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	
R5514, 15	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R5516	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R5517	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R5521	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R5522	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R5523	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R5524	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R5526, 27	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R6001	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R6002	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R6003, 04	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	2	
R6005	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R6006, 07	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R6008	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R6009	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R6010	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6011	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6013	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6014	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R6015	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6016	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R6017	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R6018	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6019	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R6020	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6021	ERJ8GEYJ120	M. RESISTOR CH 1/8W 12	1	
R6022	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R6023	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6024	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6025	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R6026	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6027	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R6028	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6029	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R6030	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6031, 32	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	
R6033	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
R6034	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R6035	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6036	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6037	ERJ3RBD363	M. RESISTOR CH 1/16W 36K	1	
R6038	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R6039	ERJ8GEYJ2R2	M. RESISTOR CH 1/8W 2.2	1	
R6040	ERJ3RBD104	M. RESISTOR CH 1/16W 100K	1	
R6042	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R6044	ERJ3RBD153	M. RESISTOR CH 1/16W .15K	1	
R6045	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R6046	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R6047	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R6050, 51	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	2	
R6053	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R6055	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6056	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R6057, 58	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	2	
R6059	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R6062, 63	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	2	
R6065	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R6067	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R6068	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6069	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R6082	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6085	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6086	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6087	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R6089	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6095	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R6097	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6098, 99	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	2	
R6100	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6115	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6202	ERJ8GEYJ2R2	M. RESISTOR CH 1/8W 2.2	1	
R6204	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6205	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6206-08	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	3	
R6209	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6210	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R6211	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6801	ERJ8GEYJ330	M. RESISTOR CH 1/8W 33	1	
R6802	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
RA201	EXBV4V104J	RESISTOR-RESISTOR	1	
RA202	EXBV8V104J	RESISTOR-RESISTOR	1	
RA703, 04	EXBV4V473J	RESISTOR-RESISTOR	2	
RA4101	EXBV4V102J	RESISTOR-RESISTOR	1	
RA6001	EXBV4V102J	RESISTOR-RESISTOR	1	
RA6002	EXBV8V683J	RESISTOR-RESISTOR	1	
RA6004, 05	EXBV8V102J	RESISTOR-RESISTOR	2	
RA6006	EXBV4V683J	RESISTOR-RESISTOR	1	
RA6008	EXBV4V683J	RESISTOR-RESISTOR	7	
RA6009	EXBV4V102J	RESISTOR-RESISTOR	1	
RA6011	EXBV4V102J	RESISTOR-RESISTOR	1	
RA6013	EXBV8V102J	RESISTOR-RESISTOR	1	
RA6014, 15	EXBV8V683J	RESISTOR-RESISTOR	2	
T1001	ELLO4T076R	TRANSFORMER	1	
T1002	VTP0357	TRANSFORMER	1	
T4001	E1Q60B008	TRANSFORMER	1	
X301	VSX0916	CRYSTAL OSCILLATOR	1	
X701	VSX0946	CERAMIC OSCILLATOR	1	
X5501	VSX0933	CRYSTAL OSCILLATOR	1	
X6001	VSX0917	CRYSTAL OSCILLATOR	1	
X6002	VSX0601	CRYSTAL OSCILLATOR	1	
X6003	VSX0678	CERAMIC OSCILLATOR	1	
	VEP26197A	MONITOR C. B. A.		(RTL)
C001	ECGC0KB220	G. CAPACITOR CH 8V 22U	1	
C002	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C003	ECUM1C683KBV	G. CAPACITOR CH 16V 0.068U	1	
C004	ECUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
C005	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C006	ECUH1H823JB9	P. CAPACITOR CH 50V 0.082U	1	
C007	ECUM1C224KBN	G. CAPACITOR CH 16V 0.22U	1	
C010	VCK0291D100	CERAMIC CAPACITOR	1	
C011	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C012	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C013	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C020	ECUX1C473KBV	G. CAPACITOR CH 16V 0.047U	1	
C022	ECUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C030	ECUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
C102	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C106	ECUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C589	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C602	ECUM1C105KBN	G. CAPACITOR CH 16V 1U	1	
C607	ECUX1H270JCV	G. CAPACITOR CH 50V 27P	1	
C608	ECUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
C610	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C612	ECUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
C613	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C615	ECST0JX336Z	T. CAPACITOR CH 6.3V 33U	1	
C616	ECUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C617	ECUX1C104KBV	G. CAPACITOR CH 16V 0.1U	1	
C618	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	1	
C619	ECUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C620	ECUX1H682KBV	G. CAPACITOR CH 50V 6800P	1	
C621	ECUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C622	ECUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
C623	ECUX1C473KBV	G. CAPACITOR CH 16V 0.047U	1	
C624	ECUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C628	ECUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C629	ECUX1C474ZFN	G. CAPACITOR CH 16V 0.47U	1	
C630	ECUM1C105ZFN	G. CAPACITOR CH 16V 1U	1	
C632	ECUM1A105KBN	G. CAPACITOR CH 10V 1U	1	
C633	ECUX1H103KBV	G. CAPACITOR CH 50V 0.01U	1	
C634-37	ECUX1C104ZV	G. CAPACITOR CH 16V 0.1U	4	



Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C638	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C639, 40	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C641, 42	EGUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C643	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C645	EGUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C646	EGUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
C647, 48	EGUX1H470JCV	C. CAPACITOR CH 50V 47P	2	
C649	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C650	EGUX1H121JCV	C. CAPACITOR CH 50V 120P	1	
C651	EGUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C652	EGST0JY475Z	T. CAPACITOR CH 6.3V 4.7U	1	
C653	EGUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C654	EGUM1E105KBM	C. CAPACITOR CH 25V 1U	1	
C655, 56	EGUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C657	EGUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C659	EGUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C660	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C661	EGUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C665	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C667	EGST1CX106Z	T. CAPACITOR CH 16V 10U	1	
C668	EGUM1A475KBM	C. CAPACITOR CH 10V 4.7U	1	
C669	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C670	EGUX1H390JCV	C. CAPACITOR CH 50V 39P	1	
C672	EGUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C673	EGUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C674	EGUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C675	EGST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C676-78	EGUM1A105KBN	C. CAPACITOR CH 10V 1U	3	
C679	EGUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C680	EGUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C687	EGUX1H270JCV	C. CAPACITOR CH 50V 27P	1	
C690	EGUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
D001	SB05-05CP	DIODE	1	
D004	MA133	DIODE	1	
D005	MA111	DIODE	1	
D101, 02	MA111	DIODE	2	
D581-83	MA8056	DIODE	3	
D602	MA728	DIODE	1	
D604	MA729	DIODE	1	
D605	MA329	DIODE	1	
D607	MA111	DIODE	1	
D608	MA8047-M	DIODE	1	
FP602	VJS4019B022	CONNECTOR (FEMALE) 22P	1	
FP604	VJS3320B006	CONNECTOR (FEMALE) 6P	1	
IC001	TL5001CPS	IC	1	
IC602	1R3Y31M	IC	1	
IC603	CM7012L3	IC	1	
IC605	NJM3414AM	IC	1	
IC607	BU12101-OE	IC	1	
L001	VLQ0818	CHOKE COIL	1	
L002	VLQ0319K470	COIL 47UH	1	
L601	VLQ0163J470	COIL 47UH	1	
L603	VLQ0319K470	COIL 47UH	1	
L605, 06	VLQ0319K470	COIL 47UH	2	
L608	VLQ0319K470	COIL 47UH	1	
L612	VLQ0163J470	COIL 47UH	1	
L613	VLQ0163J270	COIL 27UH	1	
L670	VLQ0163J330	COIL 33UH	1	
P601	VJP4002D013P	CONNECTOR (MALE) 13P	1	
P605	VJP4002D009P	CONNECTOR (MALE) 9P	1	
Q001	2SD2216	TRANSISTOR	1	
Q002	2SB1462-R	TRANSISTOR	1	
Q007, 08	2SD2210-S	TRANSISTOR	2	
Q009	2SB1073	TRANSISTOR	1	
Q101	2SB1462-R	TRANSISTOR	1	
Q104	2SD2216-R	TRANSISTOR	1	
Q105	2SB1462-R	TRANSISTOR	1	
Q106	XP1501	TRANSISTOR-RESISTOR	1	
Q107	2SD2216-R	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q108	XP1401	TRANSISTOR	1	
Q109	2SD2216-R	TRANSISTOR	1	
Q110	XP1401	TRANSISTOR	1	
Q111	2SD2216-R	TRANSISTOR	1	
Q112	2SD2216	TRANSISTOR	1	
Q115-17	2SD2216	TRANSISTOR	3	
Q602	XP4601	TRANSISTOR-TRANSISTOR	1	
Q603, 04	2SD2216	TRANSISTOR	2	
Q605	2SB1462-R	TRANSISTOR	1	
Q606	2SD2216	TRANSISTOR	1	
QR001	MRN2102	TRANSISTOR-RESISTOR	1	
QR101	UN2130X	TRANSISTOR-RESISTOR	1	
QR102, 03	UN9112	TRANSISTOR-RESISTOR	2	
QR104	UN2130X	TRANSISTOR-RESISTOR	1	
QR603	MRN1103	TRANSISTOR-RESISTOR	1	
R002	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R008	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R009	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R010	ERJ3GEYJ682	M. RESISTOR CH 1/16W 6.8K	1	
R014	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R016	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R018, 19	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	2	
R020, 21	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	2	
R022	ERJ3GEYJ274	M. RESISTOR CH 1/16W 270K	1	
R023	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R032	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1	
R034	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R036	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R037	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R040	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R042	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R043	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R050	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R105	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R106	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R107	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R108	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R109	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R110	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R111	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R112	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R113	ERJ3RED154	M. RESISTOR CH 1/16W 150K	1	
R114	ERJ3RBD392	M. RESISTOR CH 1/16W 3.9K	1	
R115	ERJ3RBD393	M. RESISTOR CH 1/16W 39K	1	
R116	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R117	ERJ3RBD104	M. RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD682	M. RESISTOR CH 1/16W 6.8K	1	
R119	ERJ3RED334	M. RESISTOR CH 1/16W 330K	1	
R120	ERJ3GEYJ434	M. RESISTOR CH 1/16W 430K	1	
R121	ERJ3RBD753	M. RESISTOR CH 1/16W 75K	1	
R122	ERJ3RBD102	M. RESISTOR CH 1/16W 1K	1	
R123	ERJ6RED564	M. RESISTOR CH 1/10W 560K	1	
R124	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R126	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R127	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R133	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R134	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R135	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R136, 37	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	
R138	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R139	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R140	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R141	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R502	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R513	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R514	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R556	ERJ3GEYJ682	M. RESISTOR CH 1/16W 6.8K	1	
R583	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R584	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R585	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R586	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
R603	ERJ3GEYJ682	M. RESISTOR CH 1/16W 6.8K	1	
R604	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R605, 06	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2		R695	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R608, 09	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	2		R696	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1	
R611	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R697	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R612	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1		R698	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R613	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		R699	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R614	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1		R703	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R615	ERJ3RBD183	M. RESISTOR CH 1/16W 18K	1						
R616	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1		T001	ETJ11K54AM	TRANSFORMER	1	
R617	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1						
R618	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1		VR581	EVLHFA01A14	V. RESISTOR 10K	1	
R619	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1		VR582, 83	EVLHFA01B14	V. RESISTOR 10K	2	
R620	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	1		VR602-04	VRV0292B223	VARIABLE RESISTOR	3	
R621	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1		VR605, 06	VRV0292B103	VARIABLE RESISTOR	2	
R622	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1		VR607	VRV0292B223	VARIABLE RESISTOR	1	
R623	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1		VR608	VRV0292B473	VARIABLE RESISTOR	1	
R624	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		VR610	VRV0292B103	VARIABLE RESISTOR	1	
R625	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1		VR621	VRV0292B472	VARIABLE RESISTOR	1	
R626	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1						
R627	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		X601	VSX0672	CRYSTAL OSCILLATOR	1	
R628-30	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	3						
R631	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1				MISCELLANEOUS		
R632	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1			VSC4731	BACK LIGHT SHIELD COVER	1	
R633	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1						
R635	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1						
R636	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1			■ VEPO6C50A	HALL SENSOR FLEX. CARD		(RTL)
R637, 38	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	2						
R639	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1		IC991	DN8797MS	HALL IC	1	
R640	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1		IC992	DN8797MS	HALL IC	1	
R641	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1						
R642	ERJ3GEYJ822	M. RESISTOR CH 1/16W 8.2K	1						
R643	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1						
R644	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1						
R645	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1						
R646	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1						
R647	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1						
R648	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1						
R649	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1						
R650	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1						
R651	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1						
R652	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1						
R653	ERJ3GEYJ152	M. RESISTOR CH 1/16W 1.5K	1						
R654	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1						
R655	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1						
R656	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1						
R657	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1						
R658	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1						
R659	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1						
R660	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1						
R661	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1						
R662	ERJ3GEYJ472	M. RESISTOR CH 1/16W 4.7K	1						
R663	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1						
R664	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1						
R665	ERJ3RBD303	M. RESISTOR CH 1/16W 30K	1						
R666, 67	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	2						
R668	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1						
R669	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1						
R670	ERJ3RBD303	M. RESISTOR CH 1/16W 30K	1						
R671	ERJ3RBD563	M. RESISTOR CH 1/16W 56K	1						
R672	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1						
R673, 74	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	2						
R675	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1						
R676	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1						
R677	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1						
R680	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1						
R681	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1						
R682	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1						
R684	ERJ3GEYJ332	M. RESISTOR CH 1/16W 3.3K	1						
R685	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1						
R686	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1						
R687	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1						
R688	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1						
R689	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1						
R691	ERJ3GEYJ106	M. RESISTOR CH 1/16W 10M	1						
R693	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1						
R694	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1						

**INTERNAL REFERENCE CODES**

**NOTE: This chart is only for internal reference.  
Do not order any parts according to these codes.**

<b>P.C.B.</b>	<b>FILM CODE</b>
<b>CAMERA/MAIN</b>	<b>HOKU00-23449</b>
<b>MONITOR</b>	<b>HOKU00-26197</b>

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