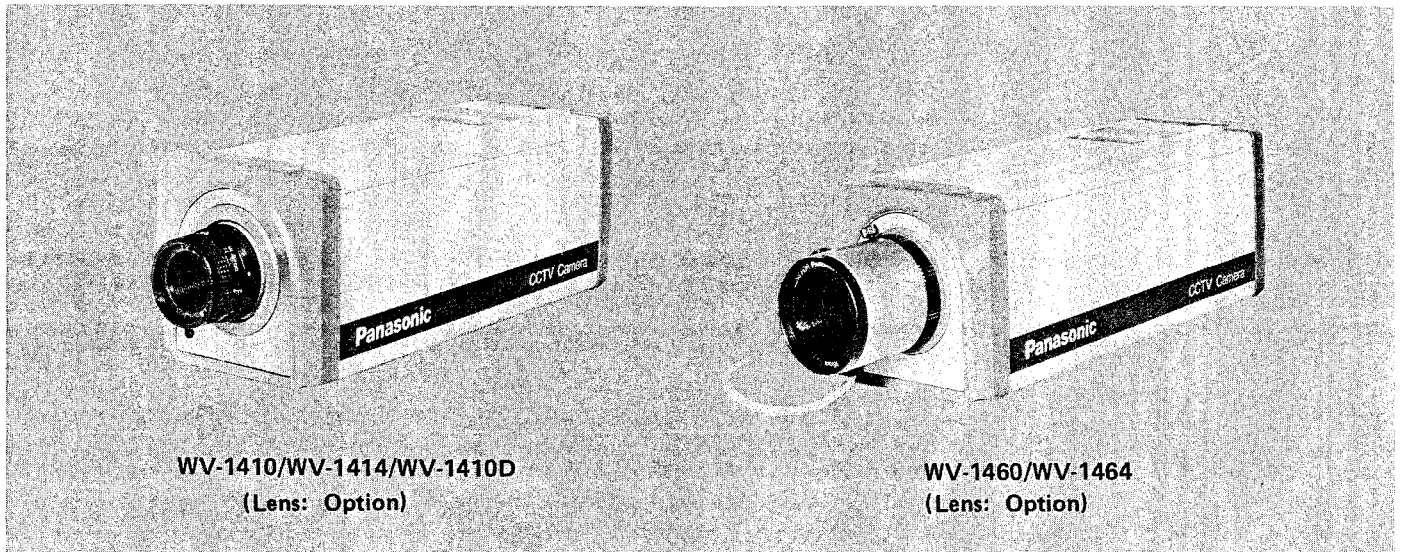


Service Manual

CCTV Camera
WV-1410 Series



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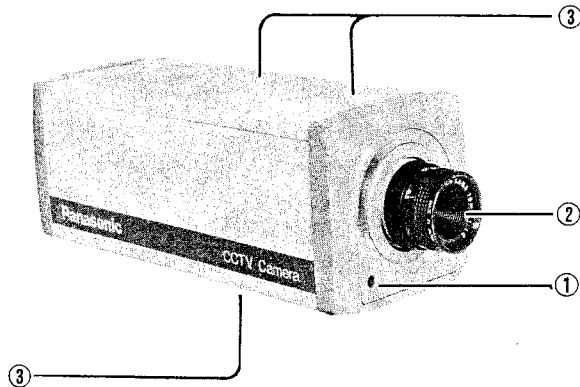
SPECIFICATIONS

Power Source:	WV-1410/C,G, WV-1410N/C:	220V AC 50Hz 8W
	WV-1410F:	220V AC 50Hz 8W
	WV-1460/C,G, WV-1460N/C:	220V AC 50Hz 9W
	WV-1460F:	220V AC 50Hz 9W
	WV-1410/B, WV-1410N/A:	240V AC 50Hz 8W
	WV-1460/B, WV-1460N/A:	240V AC 50Hz 9W
	WV-1410N:	115V AC 50Hz/60Hz 9W
	WV-1460N:	115V AC 50Hz/60Hz 10W
	WV-1414E, WV-1414F:	24V AC 50Hz 9W
	WV-1414NC:	24V AC 50Hz 9W
	WV-1464E, WV-1464F:	24V AC 50Hz 10W
	WV-1464NC:	24V AC 50Hz 10W
	WV-1414N:	24V AC 50Hz/60Hz 11W
	WV-1464N:	24V AC 50Hz/60Hz 12W
Pick-up Tube:	WV-1410/WV-1414:	Magnetic focus, manetic deflection, separate mesh 2/3" vidicon, 20PE 13A
	WV-1460/WV-1464:	Magnetic focus, magnetic deflection, separate mesh 2/3" Newvicon, S4075
Scanning:	WV-1410F, WV-1414F:	625 lines/50 fields/25 frames (CCIR standard)
	WV-1460F, WV-1464F:	
	WV-1410, WV-1414E:	
	WV-1460, WV-1464E:	
	WV-1410N/C, WV-1414NC:	525 lines/60 fields/30 frames (US standard)
	WV-1460N/C, WV-1464NC:	
Synchronizing:	WV-1410N, WV-1414N:	525 lines/60 fields/30 frames (US standard)
	WV-1460N, WV-1464N:	
Synchronizing:	2:1 interlace or vertical line locked (swithable internally)	
Video Output:	1.0Vp-p composite/75 ohms (BNC connector)	
Horizontal Resolution (at center):	550 lines	
Signal-to-Noise Ratio:	More than 43dB (with 4.5MHz filter)	
White Suppress:	1.0 Vp-p	
Gamma Correcion:	WV-1410/WV-1414:	1.0 (fixed)
	WV-1460/WV-1464:	0.7 (fixed)
Automatic Light Compensation:	WV-1410/WV-1414:	20,000:1
	WV-1460/WV-1464:	40,000~66,000:1 (Depending on the model of the Automatic Iris Lens)
Minimum Required Illumination: (With f 1.4 lens used under incandescent light)	Usadle Picture:	WV-1410/WV-1414: 0.5 footcandle (5 lux)
		WV-1460/WV-1464: 0.05 footcandle (0.5 lux)
	Recommended Illumination:	WV-1410/WV-1414: 5.0 footcandles (50 lux)
		WV-1460/WV-1464: 0.05 footcandle (5 lux)
Extenal Controls:	Power ON/OFF, Mechanical Focus	
Ambient Operating Temperature:	14°F~122°F (-10° C~ +50° C)	
Ambient Operating Humidity:	Less than 90%	
Lens Mounting:	Standard C-mount	
Camera Mounting:	Top:	Two 1/4"-20 threaded holes
	Bottom:	One 1/4"-20 threaded hole
Dimensions:	91(W) x 84(H) x 212(D) mm	
	[3-9/16" (W) x 3-5/16" (H) x 8-3/8" (D)]	
Weight:	WV-1410:	1.6kg (3.5 lbs)
	WV-1414:	1.4kg (3.1 lns)
	WV-1460:	1.6kg (3.5 lbs)
	WV-1464:	1.4kg (3.1 lbs)
Standard Accessories:	WV-1460/WV-1464:	Lens cleaning paper. 1set

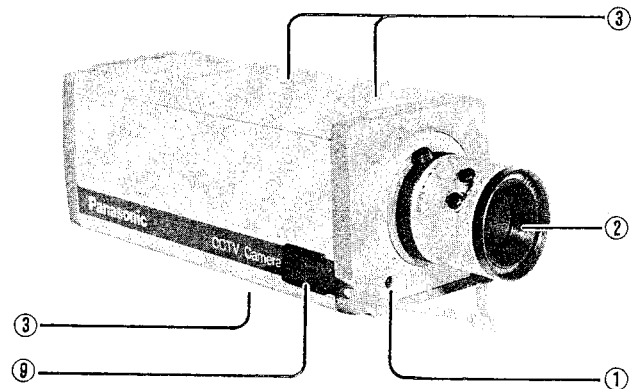
Specifications are subject to chang without notice.

MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

WV-1410/WV-1414

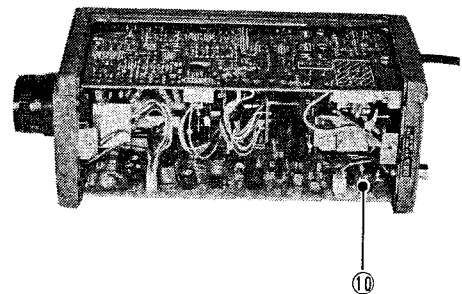
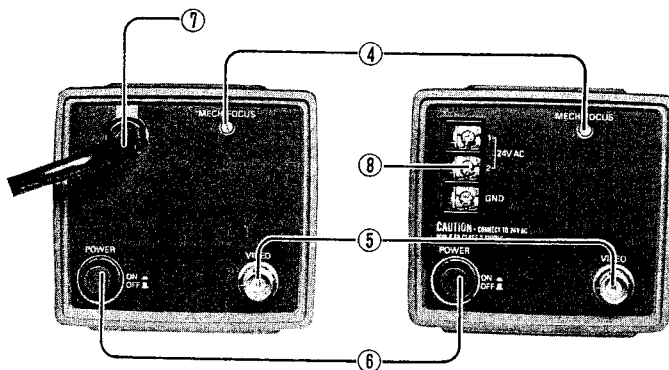


WV-1414/WV-1464



WV-1410/WV-1460

WV-1414 /WV1464



1 Power Indicator

2 Lens

WV-1410/WV-1414: Option

WV-1460/WV-1464: Automatic Iris Lens (option)

3 Camera Mounting Screw Holes

Standard photographic pan-head screw size ($\frac{1}{4}$ " - 20).

4 Mechanical Focus [MECH FOCUS]

Adjust the distance from the pick-up tube to the lens by moving the pick-up tube carrier along its optical axis. If required, this allows the minimum working distance between the camera and object to be reduced. In the case of a zoom lens, focus tracking can be adjusted with this control.

5 Video Output Connector [VIDEO]

Use a coaxial cable with a BNC connector. Video output signal is fed to a video monitor or VTR.

6 Power ON/OFF Switch [POWER ON/OFF]

7 AC Power Cord — Models WV-1410/1460

Power cord for connecting to power outlet

8 24V AC Power Terminal Strip — Models WV-1414/ WV-1464

Accepts 24V AC power source. Be sure to connect grounding lead to the GND terminal.

9 Connector for Automatic Iris Lens

This supplies the power and the video signal to the Automatic Iris Lens. The video signal controls the iris with the servo control circuit in the Automatic Iris Lens.

10 Sync Selector Switch [LL-INT]

This switch selects the internal sync mode.

L.L.: Vertical line locked random interlace mode.

INT: 2:1 interlace mode.

This switch has been factory-preset to the L.L. position. If the 2:1 interlace is required, this switch should be set to the INT position.

CONNECTIONS

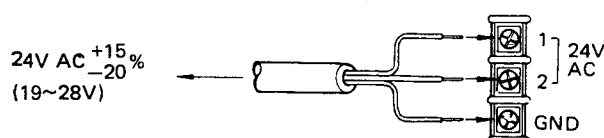
Power Cable

A. WV-1410/WV-1464

1. Keep the camera Power Switched OFF during installation.
2. Connect the AC Power Cord ⑦ to a grounded electrical outlet.

B. WV-1414/WV-1464

1. Keep the camera POWER switched OFF during the installation.
2. A power supply of 24V AC is required.
3. Connect the power cable to the 24V AC Power Terminal Strip ⑧ on the rear panel of the camera.



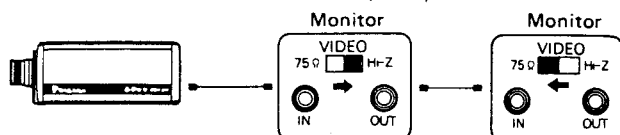
Be careful not to obstruct the operation of Power ON/OFF Switch ⑥

Recommended wire gauge sizes for 24V AC 1line

Copper wire size (AWG)		#24 (0.22mm ²)	#22 (0.33mm ²)	#20 (0.52mm ²)	#18 (0.83mm ²)
Length of Cable (Approx)	WV-1414E,F 1414N/C	75m	105m	165m	270m
	WV-1464E,F 1464N/C	65m	95m	150m	245m
	WV-1414N	60m	85m	135m	225m
	WV-1464N	55m	80m	125m	205m

Video Cable

1. Use a video monitor whose resolution is at least equal to the camera's.
2. Terminate the camera output in a 75Ω resistor at the furthest end of its cable run.
 - A. Use 75Ω coaxial cable. (RG-59, RG-59B/U, RG-59/U, RG-6/U or RG-11/U)
 - B. Always set the last monitor's termination switch to 75Ω, and set the termination switches of intermediate monitors to HIGH (Hi-Z).



3. Wiring Precautions:

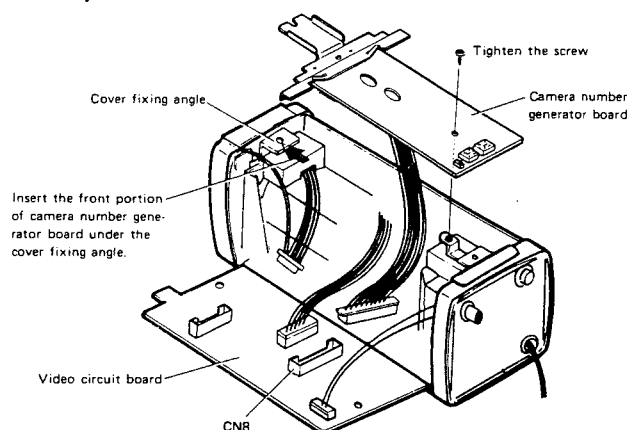
- Do not bend coaxial cable into a curve whose radius is smaller than 10 times its diameter.
- Never staple the cable — not even with circular staples. Mismatching will occur.
- Never crush or pinch the cable.

All these will change the impedance of the cable and cause poor picture quality.

INSTALLATION AND SETTING UP/ADJUSTMENT OF CAMERA NUMBER GENERATOR BOARD WV-Q90

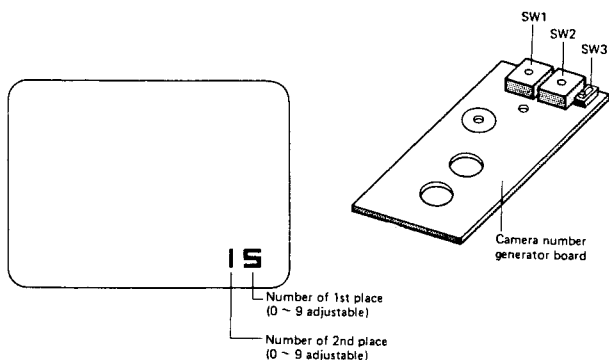
Installation

1. Remove two screws fixing the cover of WV-1410, WV-1414, WV-1460 and WV-1464 cameras and remove the cover.
2. Remove two screws fixing the video circuit board and open the circuit board.
3. Connect the 10 pin connector from the camera number generator board to the connector CN8 on the video circuit board and fix the video circuit board with two screws.
4. Install the camera number generator board onto the camera with one screw (attached to the camera number generator board).
5. Mount the cover after completing the setting up/adjustment.



Setting Up/Adjustment

1. Connect the camera and the video monitor with a coaxial cable, and turn ON the power switches.
2. While observing the video monitor, rotate two camera number setting switches (SW1, SW2) on the camera number generator for desired number. If the number of 2nd place is unnecessary, set the 2nd place ON/OFF switch (SW3) to the OFF position.
3. After setting the camera number, mount the cover.



FIELD ADJUSTMENT

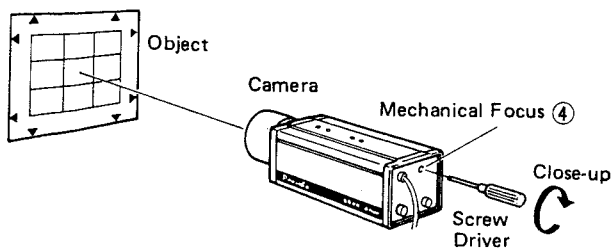
1. Mechanical Focus [MECH, FOCUS] ④

The camera will focus from about 20.5 inches (52cm) to infinity with the f1.6 16mm lens (WV-1410/WV-1414/WV-1460/WV-1464: not supplied) and with the pick-up tube in its factory set position.

For a fixed focal lens, extreme closeups can be made, and non-standard lenses can be used easily by changing the pick-up tube position with a screw adjustment at the back of the camera.

For a zoom lens, this mechanical focus control is adjusted as:

- (1) Set zoom lens at Tele position
- (2) Adjust the focus ring on the lens for best focus.
- (3) Set zoom lens at Wide position.
- (4) Adjust the mechanical focus control on the rear of the camera for best focus.
- (5) Zoom in again and adjust the focus ring on the lens for best focus.
- (6) Zoom out again and adjust the mechanical focus control on the rear of the camera for best focus.
- (7) Repeat the process (1) — (6) until the focus tracks the zoom range of the lens.



2. Focus Control

Turn the Control slowly until picture on monitor is shapest.

ADJUSTMENT

1. TEST EQUIPMENT

The following test equipment is required for adjustment of WV-1410 series TV cameras.

- Oscilloscope
- Digital voltmeter (DVM)
- Underscanned video monitor
- Lens

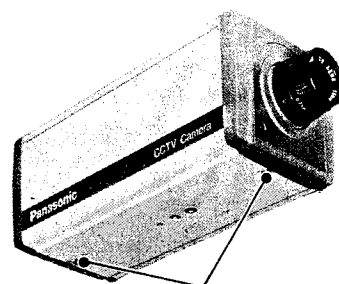
For WV-1410/WV-1414: f1.6, 16mm C-mount lens

For WV-1460/WV-1464: Panasonic WV-LA16A (f1.4 16mm, automatic iris, C-mount) or equivalent

- Resolution chart (YWV1400RB99)

2. DISASSEMBLING FOR ADJUSTMENT

- Remove two screws fixing the cover and remove the cover. (Fig. 1).



Remove two screws.

Fig. 1

3. PICK-UP TUBE REPLACEMENT

- Disassemble the camera referring to "2. DISASSEMBLING FOR ADJUSTMENT" on page 4.
- Remove the lens.
- Loosen the pick-up tube holding screw. (Fig. 2)

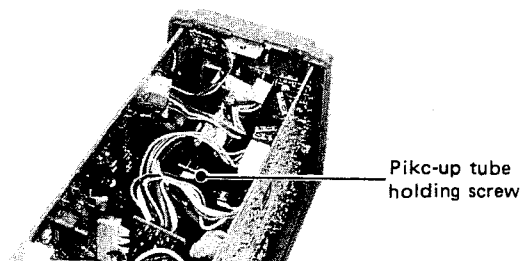


Fig. 2

- Push the pick-up tube out (in the direction of the lens).
- Insert the new pick-up tube (WV-1410/WV-1414: Vidicon 20PE13A WV-1460/WV-1464: Newwicon S4075) into the deflection coil and push it completely until it stops.

Steps denoted by shaded outlines do not have to be performed if only pick-up tube is replaced.

- Note:**
1. When inserting the vidicon in place, be careful not to expose the target directly to bright light.
 2. Before inserting the Newvicon, note the value of target voltage E_{sj} stamped on the Newvicon neck (Fig. 3). The value of E_{sj} will be used for the target voltage adjustment.

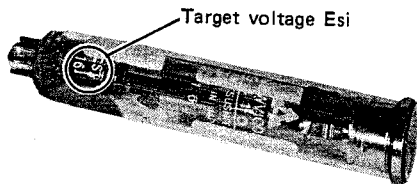


Fig. 3

3. Make sure that the blank-pin portion of pick-up tube positions on the right (viewed from the rear). (Fig. 4)

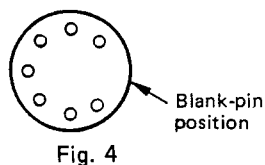


Fig. 4

- Tighten the pick-up tube holding screw (Fig. 2) to secure the pick-up tube in place.
- Clean the faceplate of pick-up tube with the lens cleaning tissue or cloth.
- Mount the lens.

4. SETTING UP FOR ADJUSTMENT

■ Connection

- Connect the coaxial cable between the camera and the video monitor.
- Terminate the video input of monitor with 75 ohms.
- Position the resolution chart (YVW1400RB99) in front of the camera as shown in Fig. 5.

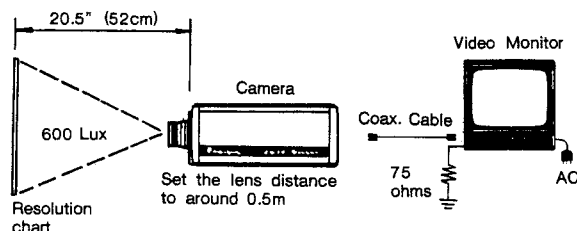


Fig. 5

■ Position of switches on the camera

- Set the switches on the camera as follows; (Refer to page 7 for the switches.)
Sync Selector Switch (SW401) INT position

5. ADJUSTMENT PROCEDURE

- Refer to page 7 for the position of test points and adjusting controls.

(a) H. frequency adjustment

Test point:	TP4	Video Board
Adjust:	L401 (H. FREQ.)	Video Board

- Connect the DVM probe to TP4.
- Adjust H. FREQUENCY L401 for $2.5V \pm 0.1V$

(b) Target voltage adjustment for Newvicon — Models WV-1460/WV-1464

Test point:	TP3	Power Board
Adjust:	VR202 (TARGET)	Power Board

- Connect the DVM probe to TP3.
- Adjust TARGET VR202 so that the voltage at TP3 is equal to the E_{sj} value stamped on the Newvicon neck. (Fig. 6)

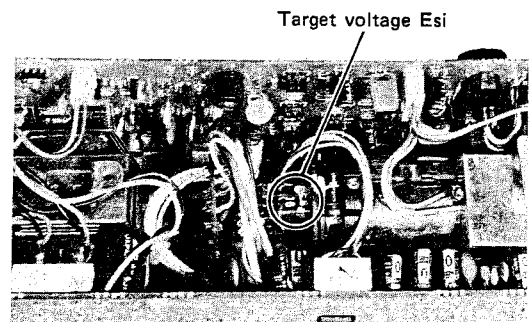


Fig. 6

(c) Beam and focus coarse adjustment

Adjusts: VR201 (BEAM)	Power Board
VR101 (FOCUS)	Power Board

- Turn BEAM-VR201 fully counterclockwise.
- Then turn it back slowly and stop it at a point where the picture just appears.
- Adjust FOCUS VR101 for best resolution.

(d) Beam alignment adjustment

Adjusts: VR101 (FOCUS)	Power Board
Alignment magnets	Coil Assembly

- While turning FOCUS VR101 clockwise and counterclockwise, rotate the alignment magnets (Fig. 7) so that the picture appears rotating around the center. In other words, as the picture goes in and out of focus, the center of picture will not move.
- After completing the above adjustment, adjust FOCUS VR101 for best resolution.

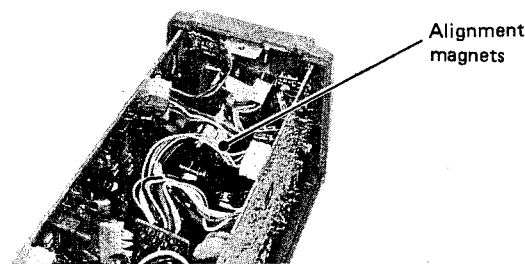


Fig. 7

(e) Mechanical focus adjustment

Adjust: Mechanical focus control Rear Panel

- Aim the camera at a object further than 10m (33ft).
Note: Lower the light level for the Newvicon model WV-1460/WV-1464 so that the lens iris opens fully in order to have minimum depth of focus.
- Set the lens focus ring to the infinity (∞) position.
- Adjust MECHANICAL FOCUS control on the rear of camera for the best focus.

(f) Picture tilt adjustment

Adjust: Coil assembly

- Make sure that the camera is level with the chart.
- Loosen one deflection coil holding screws. (Fig. 8)
- Turn the deflection coil so that the image is straight.
- Tighten the deflection coil holding screw. (Fig. 8)

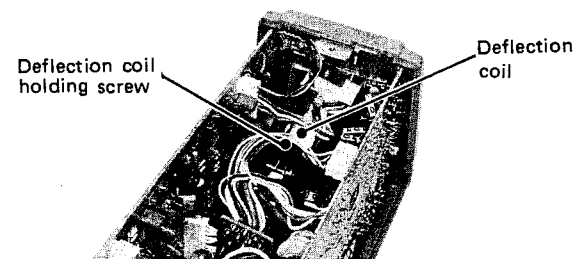


Fig. 8

(g) H. size and V. size adjustment

Adjusts: VR301 (H. SIZE) Power Board
VR302 (V. SIZE) Power Board

Steps denoted by shaded outlines do not have to be performed if only pick-up tube is replaced.

- Set the distance between the camera and chart to 20.5 inch (52cm) as shown in Fig. 5.
- Adjust H. SIZE VR301 and V. SIZE VR302 so that the reference arrow heads in the resolution chart line up with the edge of the raster on the underscanned monitor. (Fig. 9)

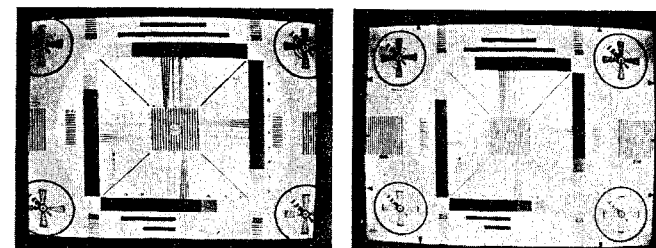


Fig. 9

(h) Target voltage adjustment for Vidicon — Models WV-1410/WV-1414

Test point: TP2 Video Board
Adjust: VR202 (TARGET) Power Board

- Connect the oscilloscope to TP2.
- Adjust TARGET VR202 so that the video signal level is $0.7^{+0.02}_{-0.05}$ Vp-p. (Fig. 10)

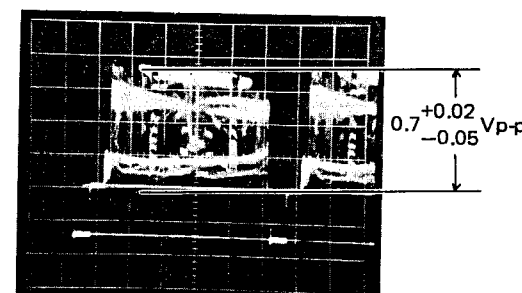


Fig. 10

(i) Beam adjustment

Test point: TP2 Video Board
Adjust: VR201 (BEAM) Power Board

- Connect the oscilloscope to TP2.
- Aim the camera at the scene which contains small lamps of fluorescent lamp.
- Turn BEAM VR201 so that the signal level is 1 ± 0.05 Vp-p. (Fig 11)

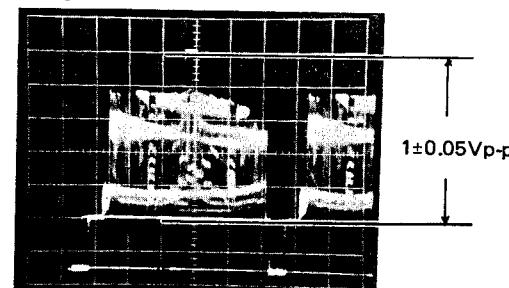


Fig. 11

(j) Focus adjustment

Adjust: VR101 (FOCUS) Power Board

- Adjust FOCUS VR101 for best resolution.

(k) Line-lock vertical phase adjustment

Test points: TP2 Video Board
Power line
Adjust: VR401 (V. PHASE) Video Board

Steps denoted by shaded outlines do not have to be performed if only pick-up tube is replaced.

- Set the sync selector switch SW401 to the LL (line) position.
- Connect the oscilloscope to the power line and TP2.
- Set the trigger of oscilloscope to the LINE position.
- Adjust V. PHASE VR401 so that the leading edge of sync signal and zero-cross point of power line wave-form are coincident. (Fig. 12)

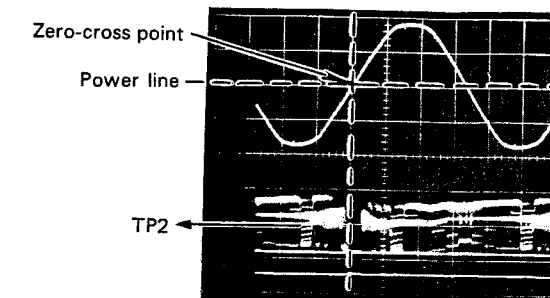
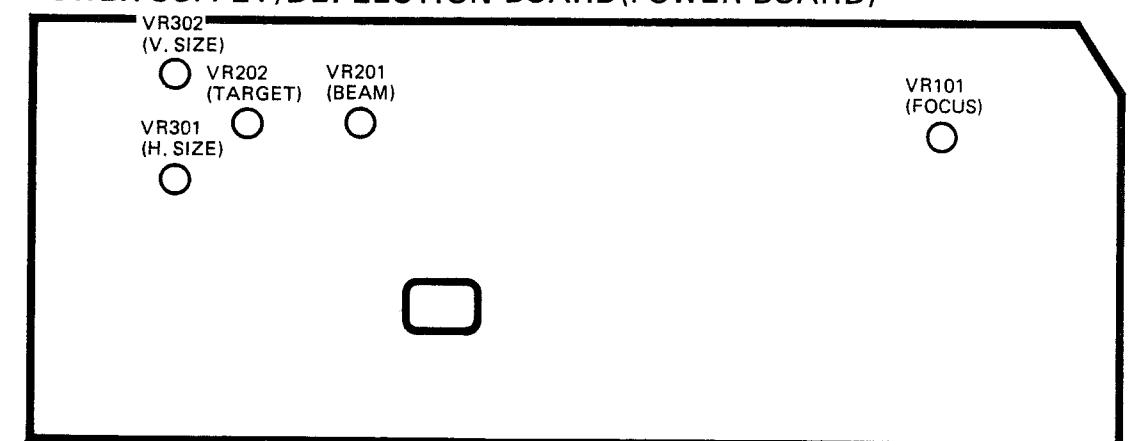


Fig. 12

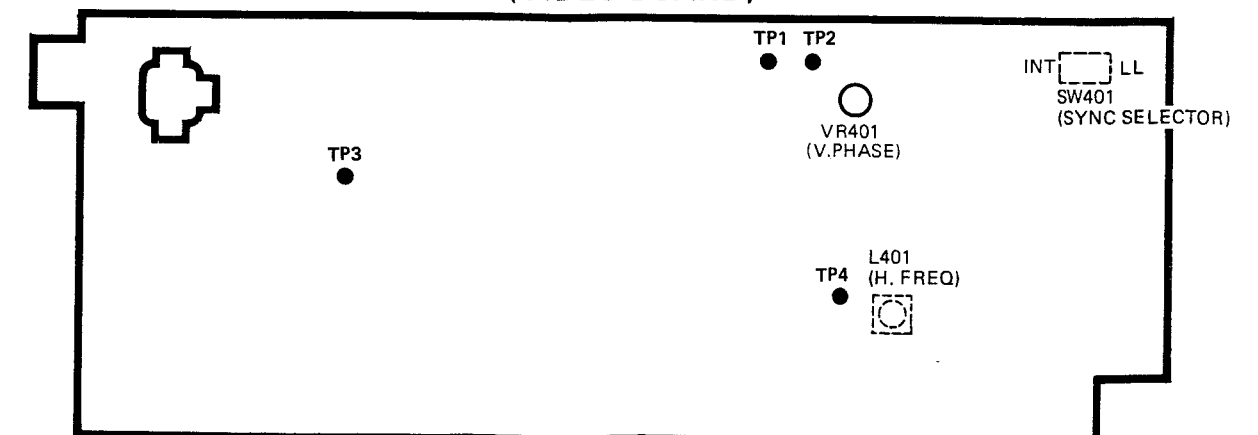
LOCATION OF TEST POINTS AND ADJUSTING CONTROLS

— View from conductor side —

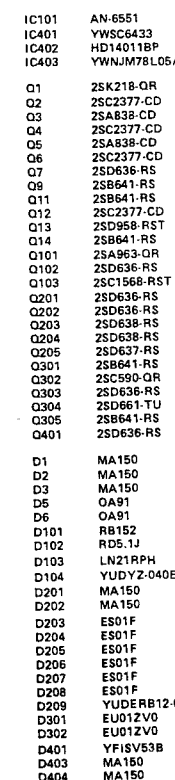
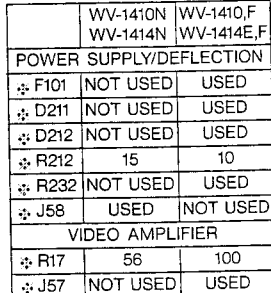
POWER SUPPLY/DEFLECTION BOARD(POWER BOARD)



VIDEO AMPLIFIER BOARD (VIDEO BOARD)

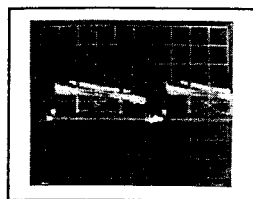


POWER SUPPLY/DEFLECTION BOARD

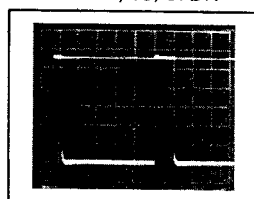


SIGNAL WAVEFORMS

1 0.05V/DIV, 10 μ s/DIV



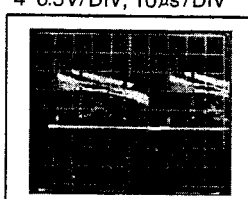
2 0.5V/DIV, 10 μ s/DIV



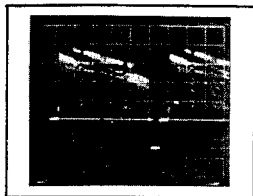
3 0.5V/DIV, 10 μ s/DIV



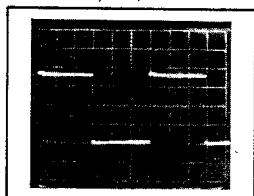
4 0.5V/DIV, 10 μ s/DIV



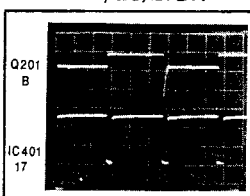
5 0.2V/DIV, 10 μ s/DIV



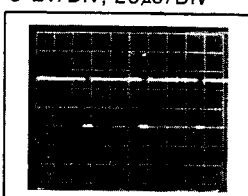
6 1V/DIV, 20 μ s/DIV



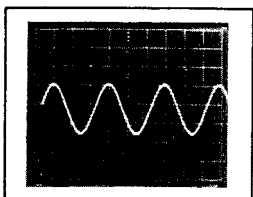
7 2V/DIV, 20 μ s/DIV



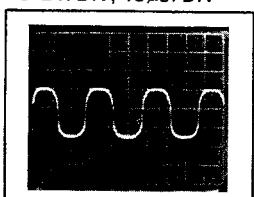
8 2V/DIV, 20 μ s/DIV



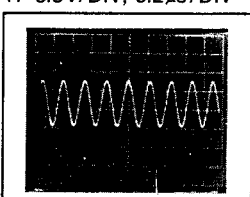
9 0.5V/DIV, 10 μ s/DIV



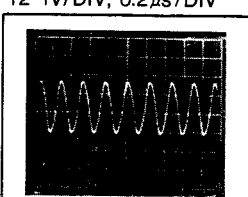
10 2V/DIV, 10 μ s/DIV



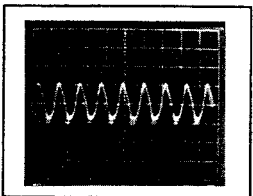
11 0.5V/DIV, 0.2 μ s/DIV



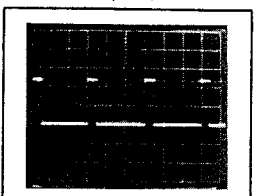
12 1V/DIV, 0.2 μ s/DIV



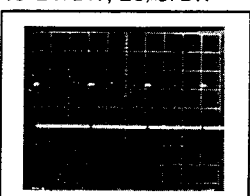
13 0.01V/DIV, 0.2 μ s/DIV



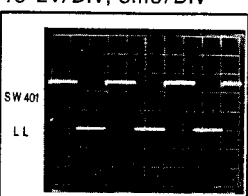
14 2V/DIV, 20 μ s/DIV



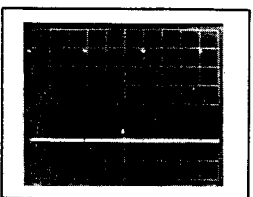
15 2V/DIV, 20 μ s/DIV



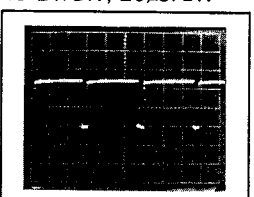
16 2V/DIV, 5ms/DIV



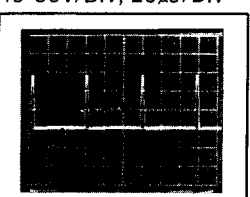
17 1V/DIV, 5ms/DIV



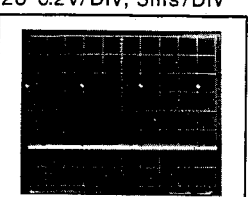
18 2V/DIV, 20 μ s/DIV



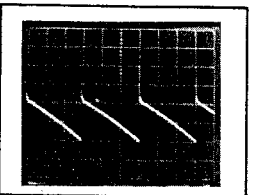
19 50V/DIV, 20 μ s/DIV



20 0.2V/DIV, 5ms/DIV



21 2V/DIV, 5ms/DIV



POWER SUPPLY/DEFLECTION

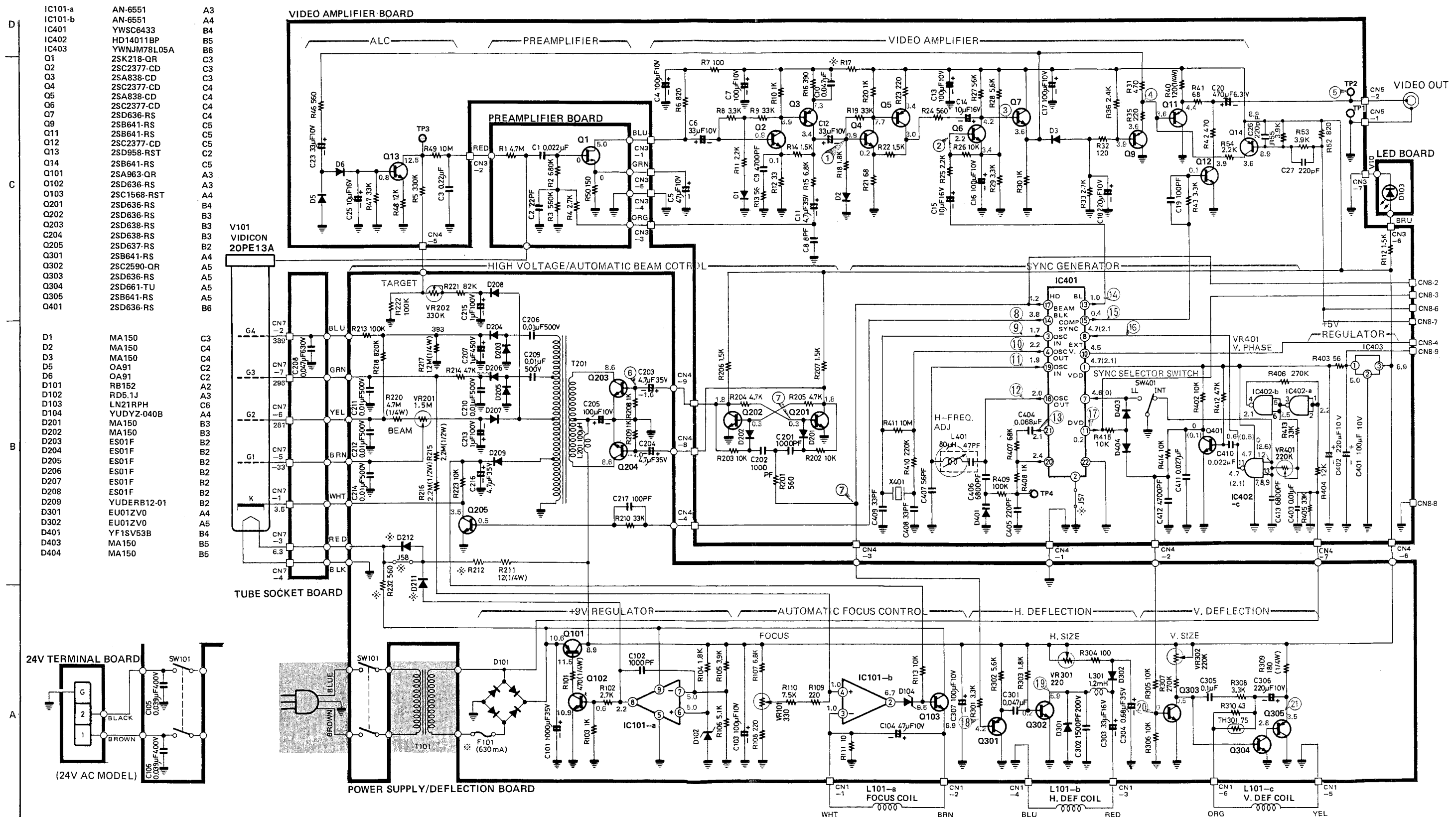
VIDEO AMPLIFIER

	* F101	* D211	* D212	* R212	* R232	* J58	* R17	* J57
WV-1410N WV-1414N	NOT USED	NOT USED	NOT USED	15	NOT USED	USED	56	NOT USED
WV-1410, F WV-1414E, F	USED	USED	USED	10	USED	NOT USED	100	USED

PRODUCT SAFETY NOTE

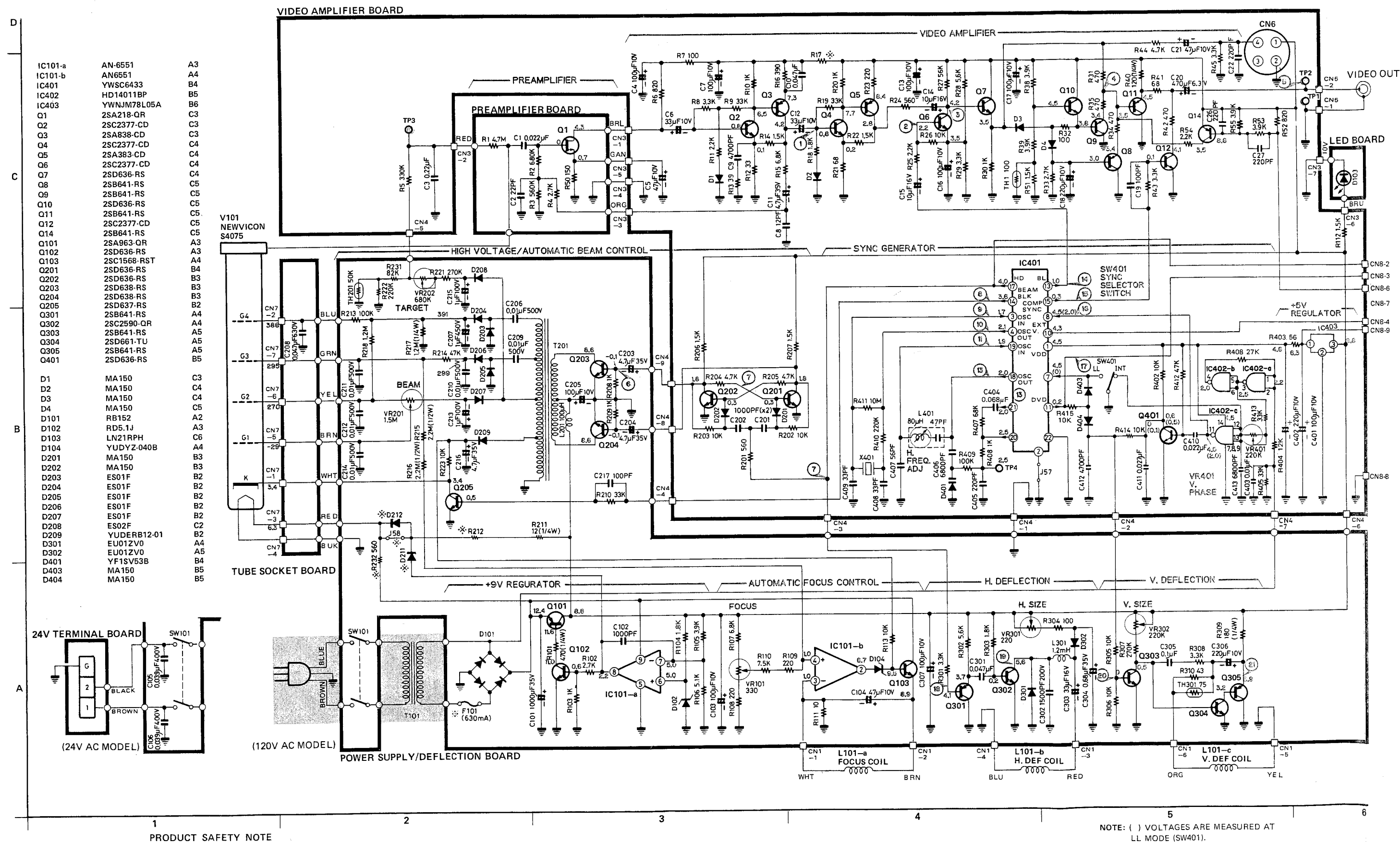
The shaded area on this schematic diagram incorporates special features important for protection from X-Radiation, fire and electrical shock hazards. When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

SCHEMATIC DIAGRAM OF WV-1410/WV-1414

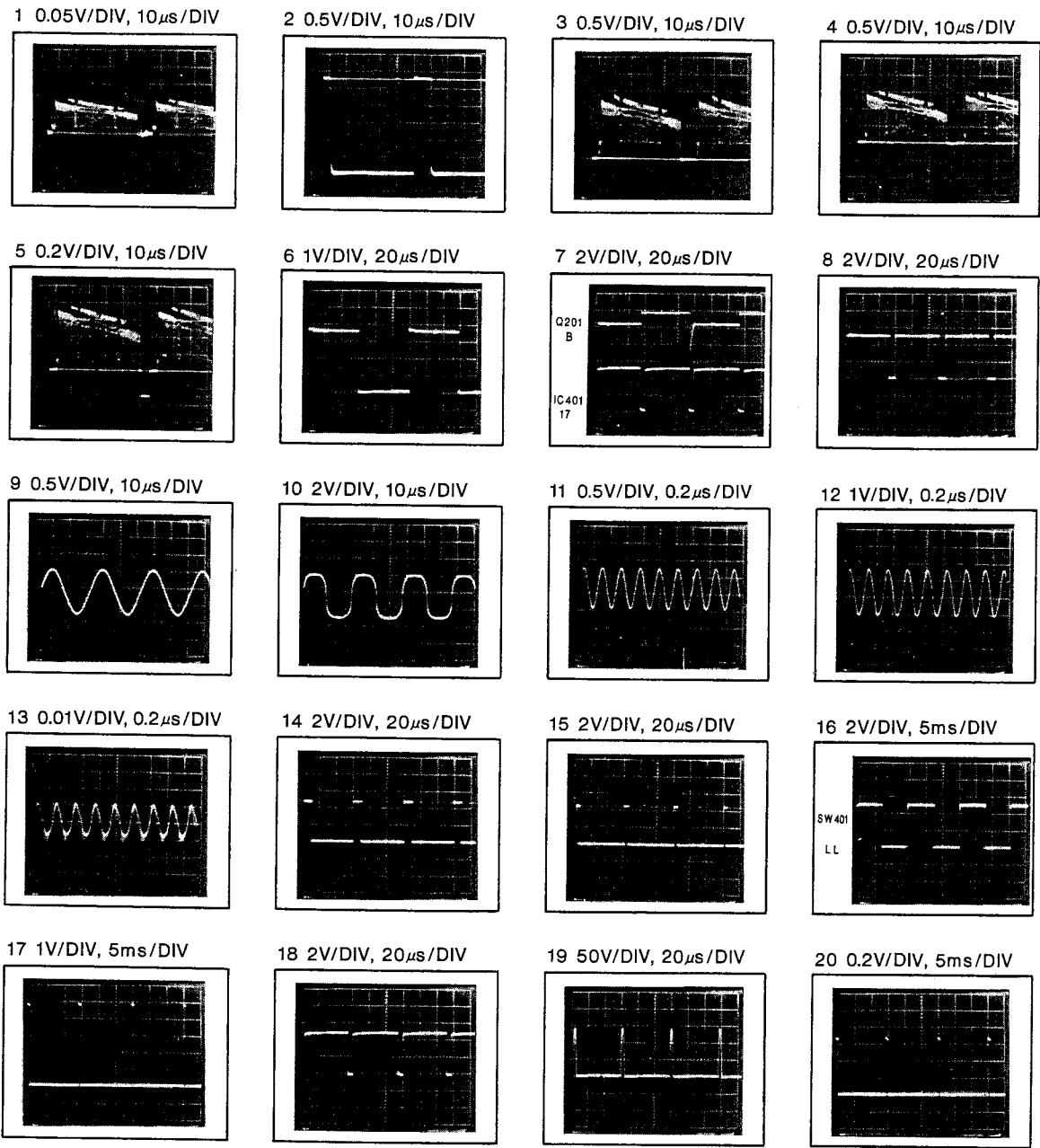


NOTE: () VOLTAGES ARE MEASURED AT LL MODE (SW401).

SCHEMATIC DIAGRAM OF WV-1460/WV-1464

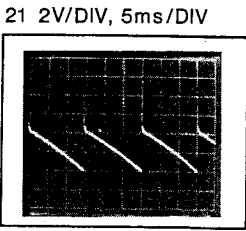


SIGNAL WAVEFORMS

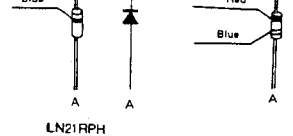
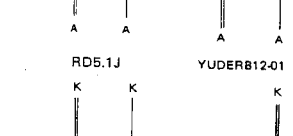
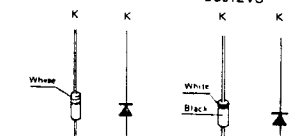
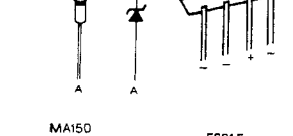
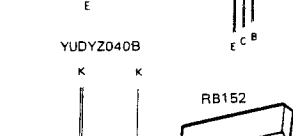
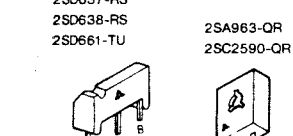
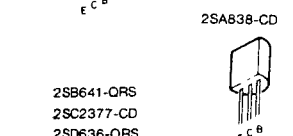
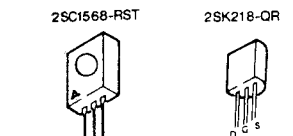
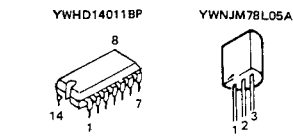
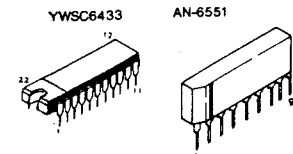


POWER SUPPLY/DEFLECTION VIDEO AMPLIFIER

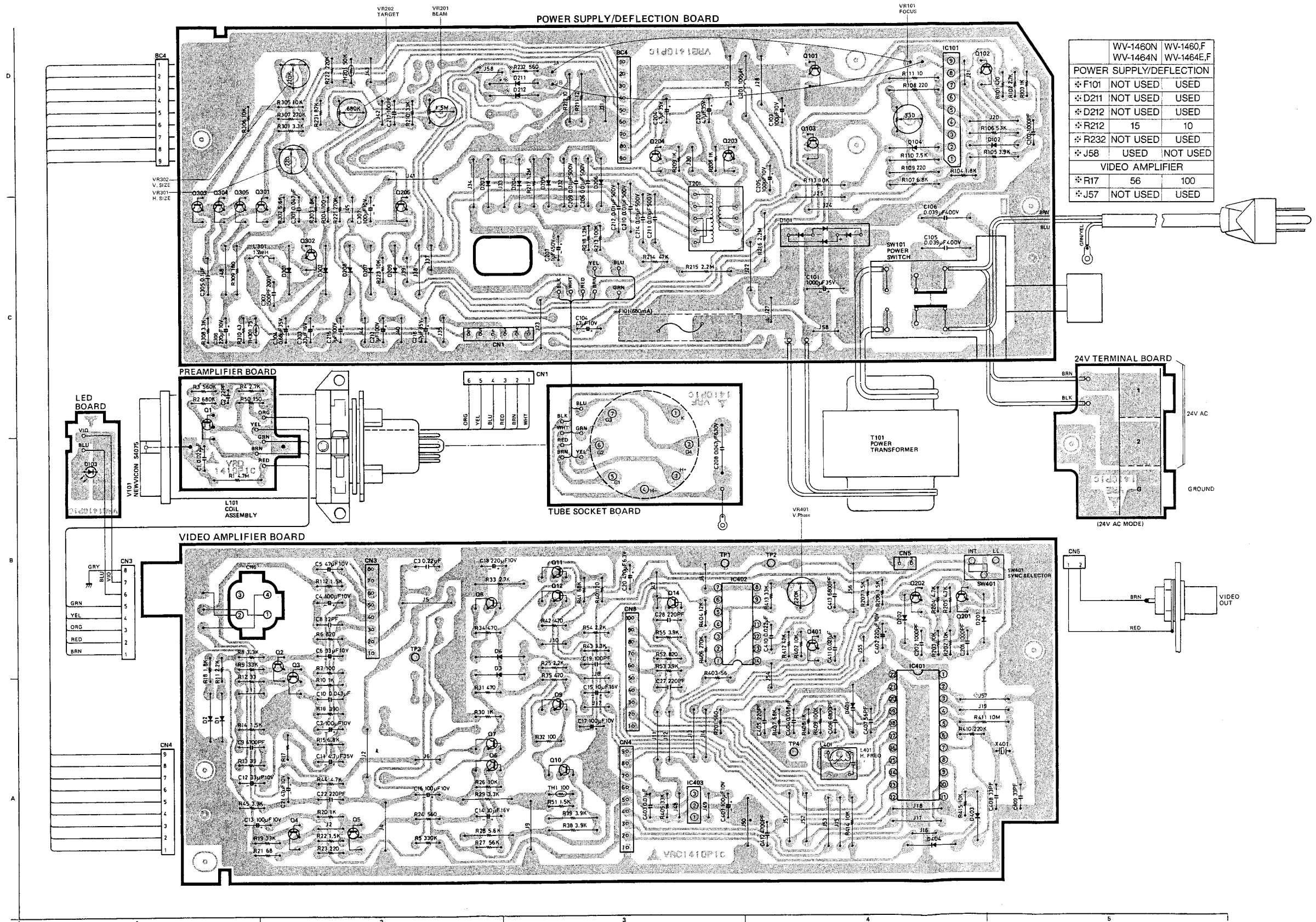
	※ F101	※ D211	※ D212	※ R212	※ R232	※ J58	※ R17	※ J57
WV-1460N WV-1464N	NOT USED	NOT USED	NOT USED	15	NOT USED	USED	56	NOT USED
WV-1460,F WV-1464E,F	USED	USED	USED	10	USED	NOT USED	100	USED



CONDUCTOR VIEW OF WV-1460/WV-1464

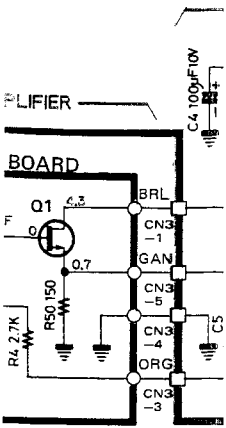


IC101	AN-6551	C,D4
IC401	YWSC6433	A4
IC402	HD14011BP	B3
IC403	YWNJM78L05A	A3
Q1	2SK218-OR	C1
Q2	2SC2377-CD	B2
Q3	2SA838-CD	A2
Q4	2SC2377-CD	A2
Q5	2SA838-CD	A2
Q6	2SC2377-CD	A2
Q7	2SD636-RS	B2
Q8	2SB641-RS	A3
Q9	2SB641-RS	A3
Q10	2SD636-RSA	B3
Q11	2SD636-RS	B3
Q12	2SC2377-CD	B3
Q14	2SB641-RS	B3
Q101	2SA963-QR	D4
Q102	2SD636-RS	D4
Q103	2SC1568-RST	D4
Q104	2SD636-RS	B4
Q201	2SD636-RS	B4
Q202	2SD636-RS	B4
Q203	2SD636-RS	D3
Q204	2SD636-RS	D3
Q205	2SD637-RS	C2
Q301	2SB641-RS	C2
Q302	2SC590-QR	C2
Q303	2SD636-RS	C1
Q304	2SD661-TU	C1
Q305	2SB641-RS	C1
Q401	2SD636-RS	B4
D1	MA150	A1
D2	MA150	A1
D3	MA150	B2
D4	MA150	B2
D101	RB152	C4
D102	RD5.1J	D4
D103	LN21RPH	B1
D104	YUDYZ-040B	D4
D201	MA150	B4
D202	MA150	B4
D203	ES01F	D3
D204	ES01F	D3
D205	ES01F	D3
D206	ES01F	D3
D207	ES01F	C2
D208	ES01F	C2
D209	YUDERB12-01	C2
D301	EU01ZV0	C2
D302	EU01ZV0	C2
D401	YF1SV53B	A4
D403	MA150	A4
D404	MA150	A4

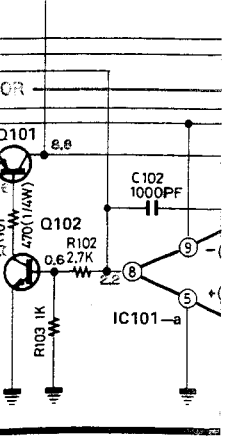
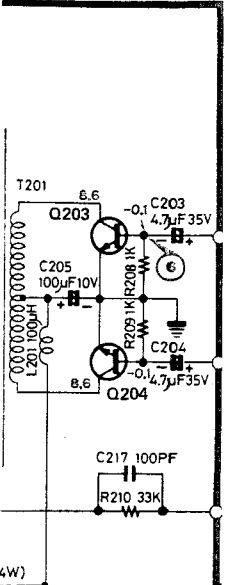


	WV-1460N	WV-1460F
	WV-1464N	WV-1464E,F
POWER SUPPLY/DEFLECTION		
*F101	NOT USED	USED
*D211	NOT USED	USED
*D212	NOT USED	USED
*R212	15	10
*R232	NOT USED	USED
*J58	USED	NOT USED
VIDEO AMPLIFIER		
*R17	56	100
*J57	NOT USED	USED

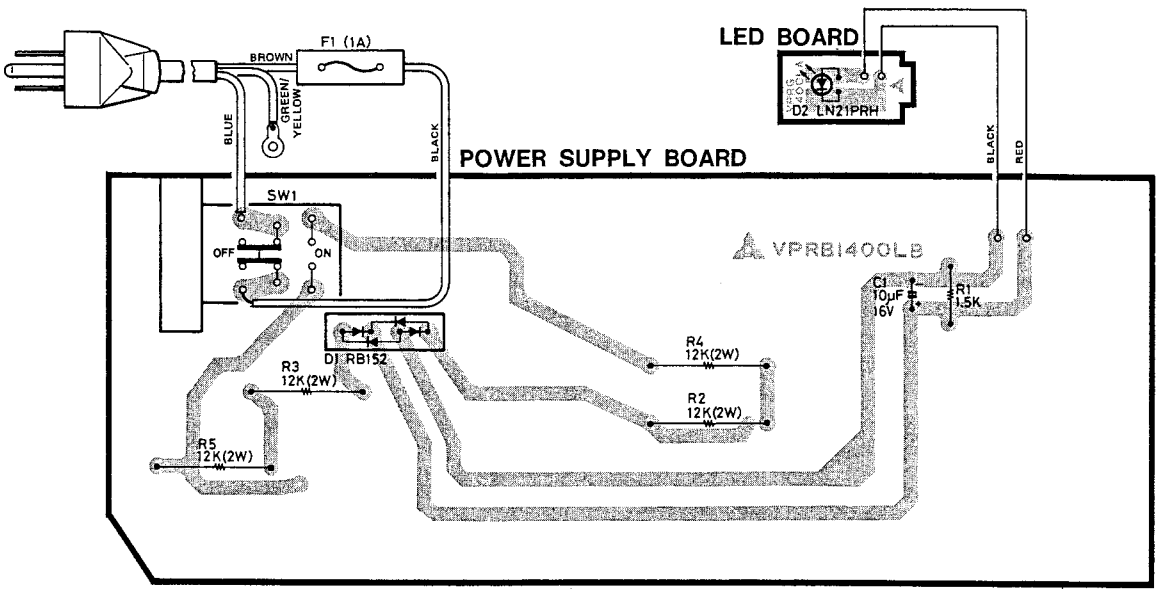
FIC DIAGRAI



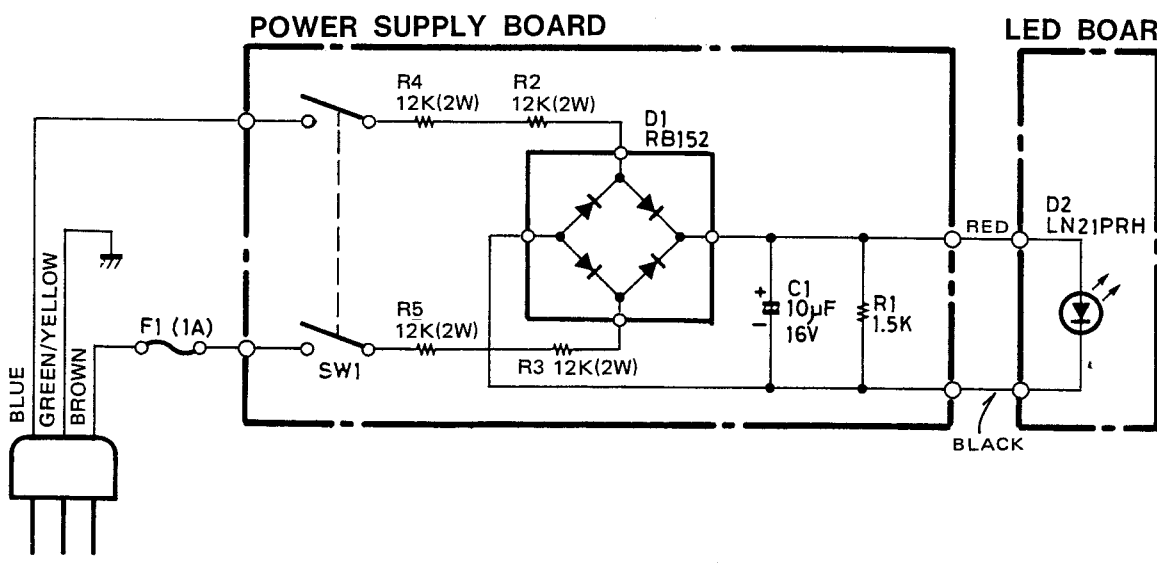
OMATIC BEAM CONTROL



CONDUCTOR VIEW OF WV-1410D



SCHEMATIC DIAGRAM OF WV-1410D



[illegible]

REPLACEMENT PARTS LIST

Important Notice

- Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
- Components identified by * mark are new parts used from this model.
- Complete printed circuit board assembly is not available as replacement part.

MODEL WV-1410 Series

SYM-BOL NO.	PART NO.	DESCRIPTION	SYM-BOL NO.	PART NO.	DESCRIPTION
CCTV CAMEAR MISCELLANEOUS					
V101	20PE13A	Pick-up Tube for WV-1410/BCG, WV-1414E, WV-1410F, WV-1410F, WV-1410N/AC, WV-1414NC	M009	*YFV5WA0146A3	Rear panel for WV-1410 Series, WV-1460 Series
	S-4075	Pick-up Tube for WV-1460/BCG, WV-1464E, WV-1460F, WV-1464F, WV-1464N/AC, WV-1464ANC		*YFV5WC0146A3	Rear panel for WV-1410D/BCG, WV-1410DF
				*YFV5WC0145A3	Rear panel for WV-1414 Series WV-1464 Series
L101	ELY18A018B	Deflection Coil Ass'y	M010	YFV5BA0002A3	Rear Escutcheon
T101	Δ YFPTE48E002A	Power Transformer for WV-1410/BCG, WV-1410F, WV-1460F, WV-1410N/AC, WV-1460N/AC	M011	*YFV2SA0001B4	Mounting Angle
	Δ YFPTE48X002B	Power Transformer for WV-1460E, WV-1414F, WV-1464F, WV-1414NC, WV-1464NC	M012	YFV5NA0001A3	Coil Base
			M013	YFV1FA0001A4	Nut Plate
			M014	YFV1000AWM1B	Coil Spring
F101	Δ XBA2C063ET0A	Current Fuse 630mA	M015	YFV4HA0001A4	Coil Shaft
	Δ XBA2C10ET0A	Current Fuse 1A for WV-1410D/BCG, WV-1410DF	M016	*YFV4JA0001B4	Spring Plate
E101	Δ YFHBS308A	AC Power Cord for WV-1410/B WV-1460/B	M019	YWSR6W-1	Cord Clamp for WV-1410/BCG, WV-1460/BCG, WV-1410F, WV-1460F, Cord Clamp for WV-1410N, WV-1460N
	Δ YFCE009908FA	AC Power Cord for WV-1410/C, WV-1460F, WV-1460/C, WV-1410F, WV-1410N/C, WV-1410DF		YWSR5N4	
	Δ YFVM009908A	AC Power Cord for WV-1410/G WV-1460/G	M020	YFB531406	Decoration Ring
	Δ YFKPGTSA25	AC Power Cord for WV-1410N/AC	M021	YW-BCG-EM01	Earth Lag for WV-1410/BCG, WV-1460/BCG, WV-1410D/BCG
E102	YWX-N1153-07	Fuse Holder for WV-1410D/BCG, WV-1410DF	M025	Δ *YFV7QA0579A4	Main Label for WV-1410/BCG
CN101	YWBNC-R	BNC Connector		Δ *YFV7QA0580A4	Main Label for WV-1414E
M002	*YFV5EA0179A2	Upper Cover for WV-1410/BCG, WV-1414E, WV-1410F, WV-1414F, WV-1410D/BCG, WV-1410DF		Δ *YFV7QA0581A4	Main Label for WV-1460/BCG
	*YFV5EB0179A2	Upper Cover for WV-1460/BCG, WV-1464E, WV-1464F, WV-1464F		Δ *YFV7QA0582A4	Main Label for WV-1464E
	*YFV5EC0179A2	Upper Cover for WV-1410N, WV-1414N, WV-1410N/AC		Δ *YFV7QA0583A4	Main Label for WV-1410F
	*YFV5ED0179A2	Upper Cover for WV-1460N, WV-1464N, WV-1460N/AC, WV-1464NC		Δ *YFV7QA0584A4	Main Label for WV-1414F
				Δ *YFV7QA0585A4	Main Label for WV-1460F
				Δ *YFV7QA0586A4	Main Label for WV-1464F
				Δ *YFV7QA0587A4	Main Label for WV-1410N/AC
				Δ *YFV7QA0588A4	Main Label for WV-1414NC
				Δ *YFV7QA0589A4	Main Label for WV-1460N/AC
				Δ *YFV7QA0590A4	Main Label for WV-1464NC
				Δ *YFV7QA0591A4	Main Label for WV-1410N
				Δ *YFV7QA0592A4	Main Label for WV-1414N
				Δ *YFV7QA0593A4	Main Label for WV-1460N
				Δ *YFV7QA0594A4	Main Label for WV-1464N
				Δ *YFV7QA0614A4	Main Label for WV-1410DF
				Δ *YFV7QA0615A4	Main Label for WV-1410
M003	YWV1850DR01	ALC Cover for WV-1460 Series, WV-1464 Series	M026	YFV7MB0099A4	Caution Label
M004	YFV5WA0001A4	Front Panel for WV-1410 Series, WV-1414 Series	M027	YW-BCG-UR01B	L,N Earth Label for WV-1410D/BCG, WV-1460/BCG, WV-1410F, WV-1460F, WV-1410N, WV-1460N, WV-1410N/AC, WV-1460N/AC, WV-1410D/BCG, WV-1410DF
	YFV5WB0001A4	Front Panel for WV-1460 Series WV-1464 Series			
M005	YFV5BA0001A2	Front Escutcheon	M029	YFV2SB0019A4	Mounting Angle for Fuse Holder
M006	*YFV2KD0001C2	Main Chassis			
M007	YWBC-2B	Body Cap			
M008	*YFV2KA0002B3	Rear Chassis for WV-1410 Series, WV-1460 Series			
	*YFV2KA0003B3	Rear Chassis for WV-1414 Series, WV-1464 Series			

MODEL WV-1410 Series

SYM-BOL NO.	PART NO.	DESCRIPTION	SYM-BOL NO.	PART NO.	DESCRIPTION
YFVKB1410E1A for WV-1410/BCG, WV-1410F, WV-1410N/AC			R212	ERD25FJ100	Carbon 10 Ω 1/4W for WV-1410/WV-1414 Series
YFVKB1414E1A for WV-1414E, WV-1414F, WV-1414NC				ERD25FJ150	Carbon 15 Ω 1/4W for WV-1410N, WV-1414N, WV-1460N, WV-1464N
YFVKB1460E1A for WV-1460/BCG, WV-1460F WV-1460N/AC			R113	ERD25FJ103	Carbon 10K Ω 1/4W
YFVKB1464E1A for WV-1464E, WV-1464F, WV-1464NC			R208,209	ERD10TJ102	Carbon 1K Ω 1/8W
YFVKB1410P1A for WV-1410N			R210	ERD10TJ333	Carbon 33K Ω 1/8W
YFVKB1414P1A for WV-1414N			R211	ERD25FJ120	Carbon 12 Ω 1/4W
YFVKB1460P1A for WV-1460N			R212	ERD25FJ150	Carbon 15 Ω 1/4W
YFVKB1464P1A for WV-1464N			R213	ERD10TJ104	Carbon 100K Ω 1/8W
YFVKB1400KA for WV-1410D/BCG, WV-1410DF, POWER SUPPLY / DEFLECTION BOARD			R214	ERD10TJ473	Carbon 47K Ω 1/8W
PCB1	*YFVKB1410E1A	Printed Circuit Board Ass'y	R215,216	ERO50CKF2204	Metal 2.2M Ω 1/2W
	*YFVKB1414E1A	Printed Circuit Board Ass'y	R217	ERD25FJ125	Carbon 1.2M Ω 1/4W
	*YFVKB1460E1A	Printed Circuit Board Ass'y	R218	ERD10TJ125	Carbon 1.2M Ω 1/8W
	*YFVKB1464E1A	Printed Circuit Board Ass'y			
	YFVKB1410P1A	Printed Circuit Board Ass'y	R221	ERD10TJ823	Carbon 82K Ω 1/8W for WV-1410/WV-1414 Series
	YFVKB1414P1A	Printed Circuit Board Ass'y		ERD10TJ274	Carbon 270K Ω 1/8W for WV-1460/WV-1464 Series
	YFVKB1460P1A	Printed Circuit Board Ass'y	R222	ERD10TJ104	Carbon 100K Ω 1/8W for WV-1410/WV-1414 Series
	YFVKB1464P1A	Printed Circuit Board Ass'y		ERD10TJ224	Carbon 220K Ω 1/8W for WV-1460/WV-1464 Series
	YFVKB1400KA	Printed Circuit Board Ass'y	R223	ERD10TJ103	Carbon 10K Ω 1/8W
			R231	ERD10TJ823	Carbon 82K Ω 1/8W for WV-1460/WV-1464 Series
IC101	AN-6551	Integrated Circuit			
Q101	2SA963-QR	Transistor	R232	ERD10TJ561	Carbon 560 Ω 1/8W
Q102	2SD636-RS	Transistor	R301	ERD10TJ332	Carbon 3.3K Ω 1/8W
Q103	2SC1568-RST	Transistor	R302	ERD10TJ562	Carbon 5.6K Ω 1/8W
Q203,204	2SD638-RS	Transistor	R303	ERD10TJ182	Carbon 1.8K Ω 1/8W
Q205	2SD637-RS	Transistor			
Q301	2SB641-RS	Transistor	R304	ERD10TJ101	Carbon 100 Ω 1/8W
Q302	2SC2590-QR	Transistor	R305,306	ERD10TJ103	Carbon 10K Ω 1/8W
Q303	2SD636-RS	Transistor	R307	ERD10TJ274	Carbon 270K Ω 1/8W
Q304	2SD661-STU	Transistor	R308	ERD10TJ332	Carbon 3.3K Ω 1/8W
Q305	2SB641-RS	Transistor	R309	ERD25FJ181	Carbon 180 Ω 1/4W
D1	RB152	Rectifier Diode for WV-1410D Series			
D101	RD5.1JB2	Diode	R310	ERD10TJ430	Carbon 43 Ω 1/8W
D102	MA4036H	Diode	VR101	YFCR19R330B	Variable Resistor 330 Ω
D104	ES01F	Diode	VR201	YFSR19R1.5MB	Variable Resistor 1.5M Ω
D203~208	YUDERB12-01	Diode	VR202	YFSR19R330KB	Variable Resistor 330K Ω for WV-1410/WV-1414 Series
D209	MA150	Diode		YWSR19R680KB	Variable Resistor 680K Ω for WV-1460/WV-1464 Series
D211, 212	EU01ZV0	Diode			
D301,302	ERTD2FHL503S	Thermistor for WV-1460/WV-1464 Series	VR301	YWSR19R220B	Variable Resistor 220 Ω
TH201	ERTD2FGK750S	Thermistor	VR302	YWSR19R220KB	Variable Resistor 220K Ω
TH301	ERD25FJ152	Carbon 1.5K Ω 1/4W for WV-1410D Series	C1	ECEA1CS100	Electrolytic 10 μ F 16V for WV-1410D Series
R1	ERG2ANJ123	Metal 12K Ω 2W for WV-1410D Series	C101	ECEA1VSS102	Electrolytic 1000 μ F 35V
R2-5			C102	ECOM1H102KZ	Polyester 0.001 μ F 50V
R101	ERD25FJ471	Carbon 470 Ω 1/4W	C103	ECEA1ASS101	Electrolytic 100 μ F 10V
R102	ERD10TJ272	Carbon 2.7K Ω 1/8W	C104	ECEA1ASS470	Electrolytic 47 μ F 10V
R103	ERD10TJ102	Carbon 1K Ω 1/8W	C105,106	ECQE4393KZ	Metal 0.039 μ F 400V for WV-1414/WV-1464 Series
R104	ERD10TJ182	Carbon 1.8K Ω 1/8W			
R105	ERD25CKF3901	Metal 3.9K Ω 1/4W	C203,204	ECEA1VSS4R7	Electrolytic 4.7 μ F 35V
			C205	ECEA1ASS101	Electrolytic 100 μ F 10V
R106	ER025CKF5101	Metal 5.1K Ω 1/4W	C206	ECKW2H103PE	Ceramic 0.01 μ F 500V
R107	ER025CKF6801	Metal 6.8K Ω 1/4W	C207	ECEA2WS010	Electrolytic 1 μ F 450V
R108,109	ER025CKF2200	Metal 220 Ω 1/4W	C208	ECQE6473KZ	Metal 0.047 μ F 600V
R110	ER025CKF7501	Metal 7.5K Ω 1/4W	C209~212	ECKW2H103PE	Ceramic 0.01 μ F 500V
R111	ER025CKF10R0	Metal 10 Ω 1/4W	C213	ECEA2AS010	Electrolytic 1 μ F 100V
			C214	ECKW2H103PE	Ceramic 0.01 μ F 500V
			C215	ECEA2AS010	Electrolytic 1 μ F 100V
			C216	ECEA1VSS4R7	Electrolytic 4.7 μ F 35V

SYM-BOL NO.	PART NO.	DESCRIPTION	SYM-BOL NO.	PART NO.	DESCRIPTION
C217	ECCR1H101J	Ceramic 100pF 50V	Q14	2SB641-RS	Transistor
C301	ECQM1H473K	Polyestor 0.047μF 50V	Q201,202	2SD636-RS	Transistor
C302	ECQM2152KZW	Polyestor 0.0015μF 200V	Q401	2SD636-RS	Transistor
C303	ECSF1CE336	Tantalum 33μF 16V	D1~3	MA150	Diode
C304	ECSF1VE684	Tantalum 0.68μF 35V	D4	MA150	Diode for WV-1460/WV-1464 Series
C305	ECQV05104JZ	Metal 0.1μF 50V	D5,6	0A91A	Diode for WV-1410/WV-1414 Series
C306	ECEA1ASS221	Electrolytic 220μF 10V	D201,202	MA150	Diode
C307	ELEA1ASS101	Electrolytic 100μF 10V	D401	1SV53B	Diode
L201	YFELEH101KA	Inductor 100μH	D403,404	MA150	Diode
L301	YWL8122J	Inductor 1.2mH	X401	YWBWVHS3125K	Crystal Oscillator
T201	YFHV2H3022	Converter Transformer			
SW1	△ YW1P31AC202A	Power Push Switch for WV-1410D Series	TH1	PTH60BM101M	Thermistor for WV-1460/WV-1464
SW101	△ YW1P31AC202A	Power Push Switch	R5	ERD10TJ334	Carbon 330KΩ 1/8W
E1	YWSN5053	Fuse Holder	R6	ERD10TJ821	Carbon 820Ω 1/8W
CN1-JM	EMCS0652M	6 pin Jack Male	R7	ERD10TJ101	Carbon 100Ω 1/8W
M017	YFV7DA0001A4	Heat Sink	R8	ERD10TJ332	Carbon 3.3KΩ 1/8W
M018	YWK470-HR02	Knob			
M022	*YFV2PA0043A4	Insulator Paper	R9	ERD10TJ333	Carbon 33KΩ 1/8W
YFVKC1410E1A for WV-1410/BCG, WV-1410F, WV-1410N/AC YFVKC1414E1A for WV-1414E, WV-1414F, WV-1414NC YFVKC1460E1A for WV-1460/BCG, WV-1460F, WV-1460N/AC YFVKC1464E1A for WV-1464E, WV-1464F, WV-1464NC YFVKC1410P1A for WV-1410N YFVKC1414P1A for WV-1414N YFVKC1460P1A for WV-1460N YFVKC1464P1A for WV-1464N VIDEO AMPLIFIER BOARD			R10	ERD10TJ102	Carbon 1KΩ 1/8W
			R11	ERD10TJ222	Carbon 2.2KΩ 1/8W
			R12	ERD10TJ330	Carbon 33Ω 1/8W
			R13	ERD10TJ560	Carbon 56Ω 1/8W
				ERD10TJ390	Carbon 39Ω 1/8W
					for WV-1460/WV-1464 Series
			R14	ERD10TJ152	Carbon 1.5KΩ 1/8W
			R15	ERD10TJ682	Carbon 6.8KΩ 1/8W
			R16	ERD10TJ391	Carbon 390Ω 1/8W
			R17	ERD10TJ101	Carbon 100Ω 1/8W
					for WV-1410/WV-1414/WV-1460 Series
				ERD10TJ560	Carbon 56Ω 1/8W
					for WV-1410N, WV-1414N, WV-1460N, WV-1464N.
			R18	ERD10TJ182	Carbon 1.8KΩ 1/8W
			R19	ERD10TJ333	Carbon 33KΩ 1/8W
			R20	ERD10TJ102	Carbon 1KΩ 1/8W
			R21	ERD10TJ680	Carbon 68Ω 1/8W
			R22	ERD10TJ152	Carbon 1.5KΩ 1/8W
			R23	ERD10TJ221	Carbon 220Ω 1/8W
PCB2	*YFVKC1410E1A	Printed Circuit Board Ass'y	R24	ERD10TJ561	Carbon 560Ω 1/8W
	*YFVKC1414E1A	Printed Circuit Board Ass'y	R25	ERD10TJ222	Carbon 2.2KΩ 1/8W
	*YFVKC1460E1A	Printed Circuit Board Ass'y	R26	ERD10TJ103	Carbon 10KΩ 1/8W
	*YFVKC1464E1A	Printed Circuit Board Ass'y	R27	ERD10TJ563	Carbon 56KΩ 1/8W
	YFVKC1410P1A	Printed Circuit Board Ass'y	R28	ERO25CKF5601	Metal 5.6KΩ 1/8W
	YFVKC1414P1A	Printed Circuit Board Ass'y			
	YFVKC1460P1A	Printed Circuit Board Ass'y	R29	ERO25CKF3301	Metal 3.3KΩ 1/8W
	YFVKC1464P1A	Printed Circuit Board Ass'y	R30	ERD10TJ102	Carbon 1KΩ 1/8W
IC401	YWSC6433	Integrated Circuit	R31	ERD10TJ471	Carbon 470Ω 1/8W
IC402	YWH14011BP	Integrated Circuit			
IC403	YWNJM78L05A	Integrated Circuit	R32	ERD10TJ121	Carbon 120Ω 1/8W
Q2	2SC2377-CD	Transistor			for WV-1410/WV-1414 Series
Q3	2SA838-CD	Transistor		ERD10TJ101	Carbon 100Ω 1/8W
Q4	2SC2377-CD	Transistor			for WV-1460/WV-1464 Series
Q5	2SA838-CD	Transistor	R33	ERO25CKF2701	Metal 2.7KΩ 1/4W
Q6	2SC2377-CD	Transistor			
Q7	2SD636-RS	Transistor	R34	*ERD10TJ471	Carbon 470Ω 1/8W
Q8	2SB641-RS	Transistor for WV-1460/WV-1464 Series			for WV-1460/WV-1464 Series
Q9	2SB641-RS	Transistor	R35	ERD10TJ221	Carbon 220Ω 1/8W
Q10	2SD636-RS	Transistor for WV-1460/WV-1464 Series			for WV-1410/WV-1414 Series
Q11	2SB641-RS	Transistor		ERD10TJ471	Carbon 470Ω 1/8W
Q12	2SC2377-CD	Transistor			for WV-1460/WV-1464 Series
Q13	2SD958-RST	Transistor for WV-1410/WV-1414 Series	R36	ERO25CKF2401	Metal 2.4KΩ 1/4W
					for WV-1410/WV-1414 Series

MODEL WV-1410 Series

SYM-BOL NO.	PART NO.	DESCRIPTION	SYM-BOL NO.	PART NO.	DESCRIPTION
R38,39	ERO25CKF3901	Metal 3.9K Ω 1/4W for WV-1460/WV-1464 Series	C13	ECEA1ASS101	Electrolytic 100 μ F 10V
R40	ERD25FJ121	Carbon 120 Ω 1/4W	C14,15	ECEA1CSS100	Electrolytic 10 μ F 16V
R41	ERD10TJ680	Carbon 68 Ω 1/8W	C16,17	ECEA1ASS101	Electrolytic 100 μ F 10V
R42	ERD10TJ471	Carbon 470 Ω 1/8W	C18	ECEA1ASS221	Electrolytic 220 μ F 10V
R43	ERD10TJ332	Carbon 3.3K Ω 1/8W	C19	ECCR1H101J	Ceramic 100pF 50V
R44	ERD10TJ472	Carbon 4.7K Ω 1/8W for WV-1460/WV-1464 Series	C20	ECEA0JSS471E	Electrolytic 470 μ F 6.3V
R45	ERD10TJ332	Carbon 3.3K Ω 1/8W for WV-1460/WV-1464 Series	C21	ECEA1ASS470E	Electrolytic 47 μ F 10V for WV-1460/WV-1464 Series
R46	ERD10TJ561	Carbon 560 Ω 1/8W for WV-1410/WV-1414 Series	C22	ECKF1H221K	Ceramic 220pF 50V for WV-1460/WV-1464 Series
R47	ERD10TJ333	Carbon 33K Ω 1/8W for WV-1410/WV-1414 Series	C23	ECEA1ASS330	Electrolytic 33 μ F 10V for WV-1410/WV-1414 Series
R48	ERD10TJ123	Carbon 12K Ω 1/8W for WV-1410/WV-1414 Series	C25	ECEA1CSS100	Electrolytic 10 μ F 16V for WV-1410/WV-1414 Series
R49	ERC14GK106	Solid 10M Ω 1/4W for WV-1410/WV-1414 Series	C26,27	ECKF1H221K	Ceramic 220pF 50V
R51	ERD10TJ152	Carbon 1.5K Ω 1/8W for WV-1460/WV-1464 Series	C201,202	ECQM1H102KZ	Polyester 0.001 μ F 50V
R52	ERD10TJ821	Carbon 820 Ω 1/8W	C401	ECEA1ASS101	Electrolytic 100 μ F 10V
R53	ERD10TJ392	Carbon 3.9K Ω 1/8W	C402	ECEA1ASS221	Electrolytic 220 μ F 10V
R54	ERD10TJ222	Carbon 2.2K Ω 1/8W	C403	ECQM1H103KZ	Polyester 0.01 μ F 50V
R55	ERD10TJ392	Carbon 3.9K Ω 1/8W	C404	ECQV05683JZ	Metallized Plastic 0.068 μ F 50V
R112	ERD10TJ152	Carbon 1.5K Ω 1/8W	C405	ECKF1H221K	Ceramic 220pF 50V
R201	ERD10TJ561	Carbon 560 Ω 1/8W	C406	ECQM1H682KZ	Polyester 0.0068 μ F 50V
R202,203	ERD10TJ103	Carbon 10K Ω 1/8W	C407	ECCR1H560J	Ceramic 56pF 50V
R204,205	ERD10TJ472	Carbon 4.7K Ω 1/8W	C408,409	ECCR1H330JC	Ceramic 33pF 50V
R206,207	ERD10TJ152	Carbon 1.5K Ω 1/8W	C410	ECQV05223JZ	Metallized Plastic 0.022 μ F 50V
R402	ERD10TJ103	Carbon 10K Ω 1/8W	C411	ECQV05273JZ	Metallized Plastic 0.027 μ F 50V
R403	ERD10TJ560	Carbon 56 Ω 1/8W	C412	ECQM1H472KZ	Polyester 0.0047 μ F 50V
R404	ERD10TJ123	Carbon 12K Ω 1/8W	C413	ECQM1H682KZ	Polyester 0.0068 μ F 50V
R405	ERD10TJ333	Carbon 33K Ω 1/8W	L401	YF7P7553C	Inductor
R406	ERD10TJ274	Carbon 270K Ω 1/8W	SW401	YWSSS21200	Sync Detector Switch
R407	ERD10TJ683	Carbon 68K Ω 1/8W	CN3-JM	EMCS0852M	8 pin Jack Male
R408	ERD10TJ102	Carbon 1K Ω 1/8W	CN4-JM	EMCS0952M	9 pin Jack Male
R409	ERD10TJ104	Carbon 100K Ω 1/8W	CN5-JM	EMCS0252M	2 pin Jack Male
R410	ERD10TJ224	Carbon 220K Ω 1/8W	CN6-JM	YWRP97R4S	ALC Connector for WV-1460/ WV-1464 Series
R411	ERC14GK106	Solid 10M Ω 1/4W	CN8-JM	EMCS1052M	10 pin Jack Male
R412	ERD10TJ473	Carbon 47K Ω 1/8W	E1 ~ 4	YW32BH7R5	Terminal
R413	ERD10TJ333	Carbon 33K Ω 1/8W	YFVKD1410E1A for WV-1410/BCG, WV-1410F, WV-1410N/AC YFVKD1414E1A for WV-1414E, WV-1414F, WV-1414NC YFVKD1460E1A for WV-1460/BCG, WV-1460F, WV-1460N/AC YFVKD1464E1A for WV-1464E, WV-1464F, WV-1464NC YFVKD1410P1A for WV-1410N YFVKD1414P1A for WV-1414N YFVKD1460P1A for WV-1460N YFVKD1464P1A for WV-1464N PREAMPLIFIER BOARD		
R414	ERD25FJ103	Carbon 10K Ω 1/4W			
R415	ERD10TJ103	Carbon 10K Ω 1/8W			
VR401	YWSR19R220KB	Variable Resistor 220K Ω			
C3	ECQV05224JZ	Metallized Plastic 0.22 μ F 50V			
C4	ECEA1ASS101E	Electrolytic 100 μ F 10V	PCB3	*YFVKD1410E1A	Printed Circuit Board Ass'y
C5	ECEA1ASS470	Electrolytic 47 μ F 10V		*YFVKD1414E1A	Printed Circuit Board Ass'y
C6	ECEA1ASS330	Electrolytic 33 μ F 10V		*YFVKD1460E1A	Printed Circuit Board Ass'y
C7	ECEA1ASS101E	Electrolytic 100 μ F 10V		*YFVKD1464E1A	Printed Circuit Board Ass'y
C8	ECCR1H080D	Ceramic 8pF 50V for WV-1410/WV-1414 Series		YFVKD1410P1A	Printed Circuit Board Ass'y
	ECCR1H120J	Ceramic 12pF 50V for WV-1460/WV-1464 Series		YFVKD1414P1A	Printed Circuit Board Ass'y
C9	ECQM1H472KZ	Polyester 0.0047 μ F 50V		YFVKD1460P1A	Printed Circuit Board Ass'y
C10	ECQM1H473KZ	Polyester 0.047 μ F 50V		YFVKD1464P1A	Printed Circuit Board Ass'y
C11	ECEA1VSS4R7	Electrolytic 4.7 μ F 35V			
C12	ECEA1ASS330	Electrolytic 33 μ F 10V			

SYM-BOL NO.	PART NO.	DESCRIPTION	SYM-BOL NO.	PART NO.	DESCRIPTION
Q1	2SK218-QR	Transistor			
R1	ERD25FJ475	Carbon 4.7M Ω 1/4W		*YFV8QA0604AN	Operating Instruction for WV1410N/AC, WV-1414NC
R2	ERD10TJ684	Carbon 680K Ω 1/8W		*YFV8QA0605AN	Operating Instruction for WV-1460N/AC, WV-1464NC
R3	ERD10TJ564	Carbon 560K Ω 1/8W			
R4	ERD10TJ272	Carbon 2.7K Ω 1/8W			
R50	ERD10TJ151	Carbon 150 Ω 1/8W		*YFV8QA0606AN	Operating Instruction for WV-1410N, WV-1414N
C1	ECCF1H220JC	Metal 0.022 μ F 50V		*YFV8QA0607AN	Operating Instruction for WV-1460N WV-1464N
C2	ECCF1H180JC	Ceramic 18pF 50V			
M023	YFV2HA0002A4	Shield Case			
YFVKE1414E1A for WV-1414E, WV-1414F, WV-1414NC YFVKE1464E1A for WV-1464E, WV-1464F, WV-1464NC YFVKE1414P1A for WV-1414N YFVKE1464P1A for WV-1464N 24V TERMINAL BOARD			M032	19998700331	Warranty Card for WV-1410/BCG, WV-1460/BCG
			M034	YW-FP10	Lens Paper for WV-1460 Series WV-1464 Series
			M035	YWT20X35C03	Polythylene Bag
			M036	YWT25X60X3	Polythylene Bag for WV-1410 Series' WV-1460 Series
				XZB26X40C05	Polythylene Bag for WV-1414 Series, WV-1464 Series
			M040	YFV9CA0472AN	Packaging for WV-1410/BCG, WV-1414E, WV-1460/BCG, WV-1464/BCG, WV01410D/BCG
PCB4	*YFVKE1414E1A *YFVKE1464E1A YFVKE1414P1A YFVKE1464P1A	Printed Circuit Board Ass'y Printed Circuit Board Ass'y Printed Circuit Board Ass'y Printed Circuit Board Ass'y		YFV9CA0473AN YFV9CA0474AN	Packaging for WV-1410F, Packaging for WV-1414F, WV-1460F, WV-1464F, WV-1410DF
E104	YFS02A3P	Terminal Block 3P		YFV9CA0475AN	Packaging for WV1410N
YFVKF 1410P1B TUBE SOCKET BOARD				YFV9CA0063AN	Packaging for WV-1414N, WV-1460N, WV-1464N, WV-1410N /AC, WV-1414NC, WV-1460N/AC, WV-1464NC
PCB5	YFVKF1410P1B	Printed Circuit Board Ass'y			
C208	ECQE6473KZ	Metal 0.047 μ F 600V			
CN007	YFS7504B05	Tube Socket			
YFVKG1410P1B LED BOARD					
PCB6	YFVKG1410P1B	Printed Circuit Board Ass'y			
D103	LN21RPH	Light Emitting Diode (Red)			
D2	LN21RPH	Light Emitting Diode for WV-1410D Series			
ACCESSORY PARTS/PACKAGING PARTS					
CN101	YWRP97P4P	Lens Couneector			
M030	YWV033D0PB1	Dummy Lens for WV-1410D/BCG, WV-1410DF			
M031	*YFV8QA0600AN	Operating Instruction for WV-1410 /BCG, WV-1414E			
	*YFV8QA0601AN	Operating Instruction for WV-1460 /BCG, WV-1464E			
	*YFV8QA0602AN	Operating Instruction for WV-1410F, WV-1414F			
	*YFV8QA0603AN	Operating Instructing for WV-1460F, WV-1464F			