

KV-27EXD/27EXTD

RM-635

SERVICE MANUAL

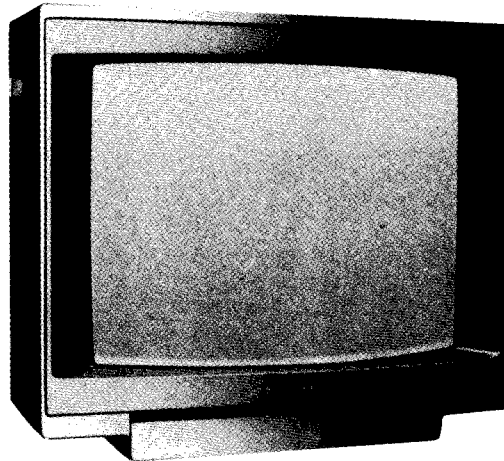
AEP Model

KV-27EXD

Chassis No. SCC-774A-A

KV-27EXTD

Chassis No. SCC774C-A



RX-2 CHASSIS

June, 1986

SPECIFICATIONS

Television system:	CCIR TV standards (system B, G and H)
Color system:	PAL/SECAM
STEREO system:	Two-carrier system
Channel coverage:	VHF channels E2-S20 UHF channels E21-E68
Programing system:	30 programs Automatic programing digital tuning
Picture tube:	Approx. 68 cm (27 inches), approx. 64 cm screen measured diagonally 114-degree deflection Trinitron system
Antenna:	75-ohm standard antenna socket (DIN 45325/IEC 169-2)
Audio output:	20 W + 20 W (16 Ω , Music power) 30 W + 30 W (8 Ω , Music power)
Input:	21-pin connector in accordance with the requirements of CENELEC standard
Outputs:	Audio output connector (5-pin DIN) Recording output: 1 mVrms/kiloohm Line output: variable, 0-2 Vrms (max.) impedance less than 1 kiloohm External speaker terminals (2-pin DIN) For 8-16 ohm speakers Headphones socket for 32-ohm impedance headphones
Power requirements:	220-240 V ac, 50 Hz
Power consumptions:	120Wh
Dimensions:	Approx. 668 x 581 x 474 mm (w/h/d)
Weight:	Approx. 50.0 kg
Accessories supplied:	Remote Commander RM-635 (1)
Optional accessories:	SS-27EXH/SS-27EXV speaker system OPK-303, teletext adaptor (KV-27EXD ONLY)

Remote control system

Infrared control

Power requirements 3 V dc

2 batteries IEC designation R03 (size AAA)

Dimensions Approx. 54 x 16 x 165 mm (w/h/d)

Weight Approx. 100 g

incl. batteries

Accessories supplied IEC designation R03 battery (2)

Design and specifications are subject to change without notice.

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TRINITRON® COLOR TV
SONY®

CTV

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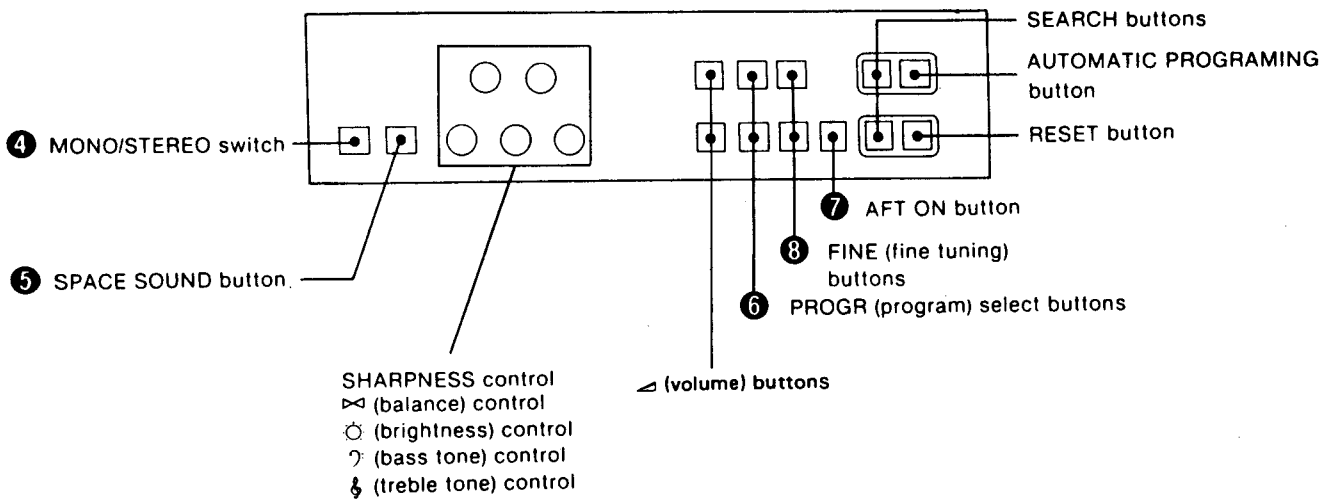
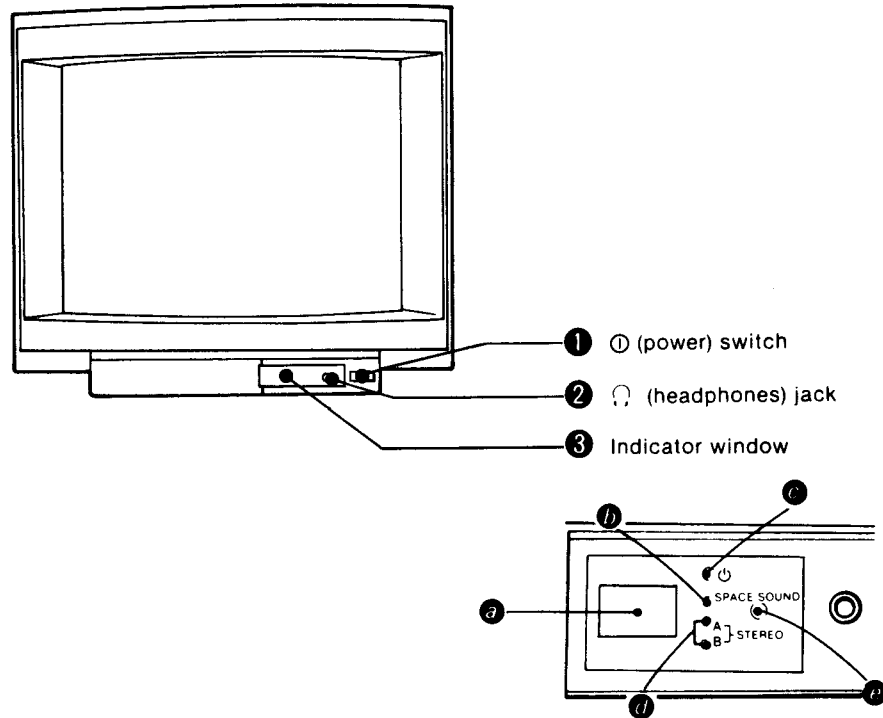
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

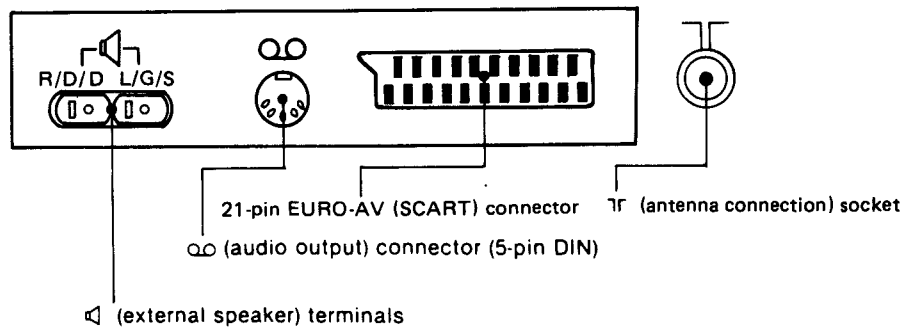
SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



Rear panel



1 **⓪ (power) switch**

Press to turn the TV on. Press again to turn the power off.

2 **🎧 (headphones) jack**

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug, use an optional plug adaptor. To hear the sound from the speakers, disconnect the headphones.

3 **Indicator window**

a **Program indicator**

b **SPACE SOUND indicator**

c **🔌 (standby) indicator**

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed, this lamp blinks.

d **Zweiton/STEREO indicators**

When a dual-sound program is received, A or B lights up. When a stereo program is received, both indicators light up.

e **Remote control detector**

Point the infrared transmitter of the supplied Remote Commander here.

4 **MONO/STEREO switch**

Normally set this switch to the depressed STEREO position. Stereo programs can be received. If a stereo program has too much noise, press and release this switch (MONO position). The noise will be reduced, although the stereo feature will be lost.

5 **SPACE SOUND button**

Press to get special acoustic effects (for example, more presence). The SPACE SOUND indicator will illuminate. To disengage, press it again.

6 **PROGR (program) select buttons**

Press either + or – to select a preset program (from positions 1 through 30). Press + for higher numbered programs, and – for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

7 **AFT (automatic fine tuning) ON button**

When the AFT circuit activates, the indicator illuminates. Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programming is finished, or after a station is tuned and memorized in the manual programming system, the AFT circuit will automatically reactivate.

8 **FINE (fine tuning) buttons**

Keep either + or – depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.

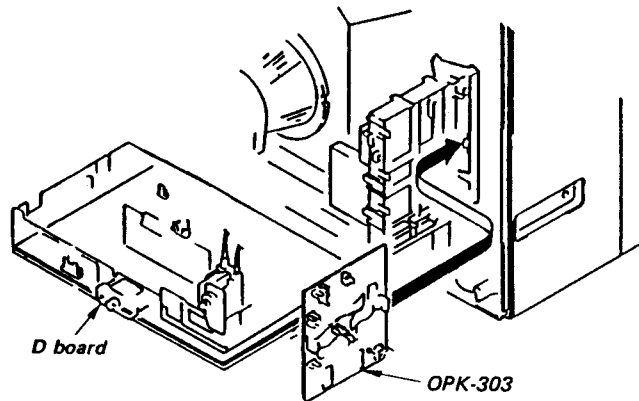
SECTION 2

OPK-303 ATTACHING

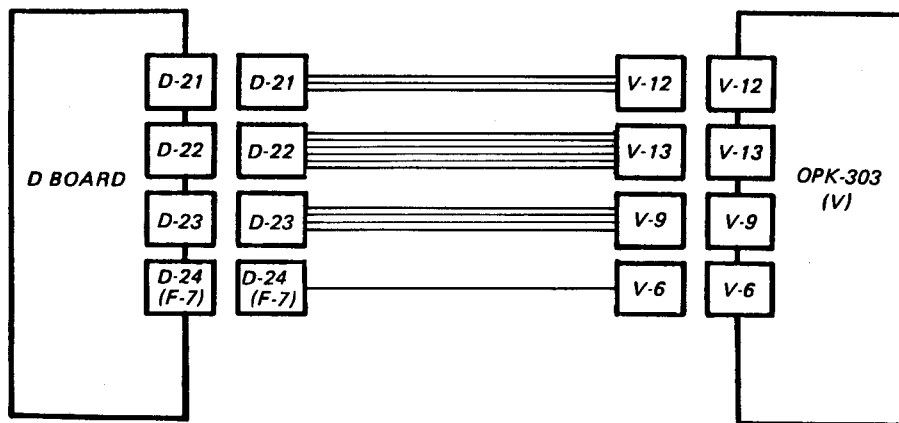
(KV-27EXD ONLY)

Before installing the adaptor, unplug the set from the wall outlet.

1. Unscrew and remove the rear panel.
2. Unfasten the screws and pull out the main D board.
3. Attach the OPK-303 (V board) on the set in the reserved position using the holder or sash provided.



4. Connect to the reserve terminals as the connector.
Connected terminals are coloured red. (except D-24)



5. 6.0MHz ADJUSTMENT
 - 5-1. Connect a 100 μ F 16V chemical capacitor between pin (27) of IC001 and ground.
 - 5-2. Connect frequency counter across pin (17) of IC001 and ground.
 - 5-3. Adjust CT001 for 6.0MHz \pm 2.0kHz out the frequency counter.
 - 5-4. Reconnect a chemical capacitor from IC001.
6. Attach the rear panel.

SECTION 3 SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

- (picture) button 80% (or normal by commander.)
(Press ● + button)
- ☀ (brightness) control CENTER CLICK
Position

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. G2 and White Balance
4. Focus (RV902)
5. V. CENT Adjustment

Note: Test Equipment Required.
1. Color-bar/Pattern Generator
2. Degausser

3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
 - Before starting, degauss the entire screen.
1. Loosen deflection yoke screw.
 2. Position neck ass'y as shown in Fig. 3-1.
 3. Adjust purity control as shown in Fig. 3-2.
 4. Slide deflection yoke as far forward as it will go.
 5. Turn the raster signal of the pattern generator to red.
 6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
 7. Slide deflection yoke back for a uniform red screen.
 8. Check green and blue rasters for uniformity by performing the same way as steps 5, 6 and 7.
 9. Tighten the deflection yoke screw.
 10. Check if mislanding appears at corners a - d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
 11. Confirm that beam landing is correct when the receiver is faced in all directions.

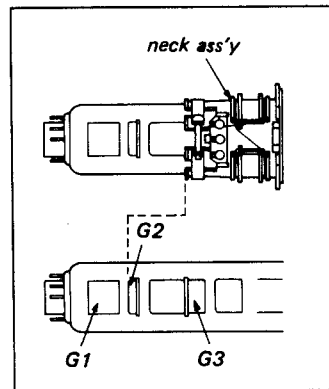


Fig. 3-1

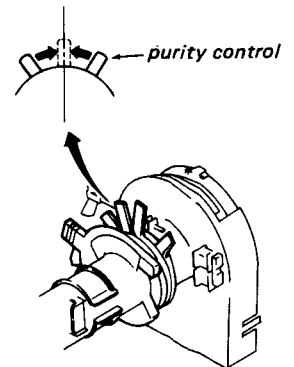


Fig. 3-2

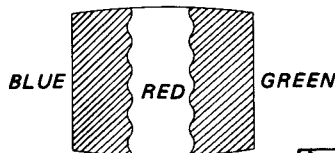


Fig. 3-3

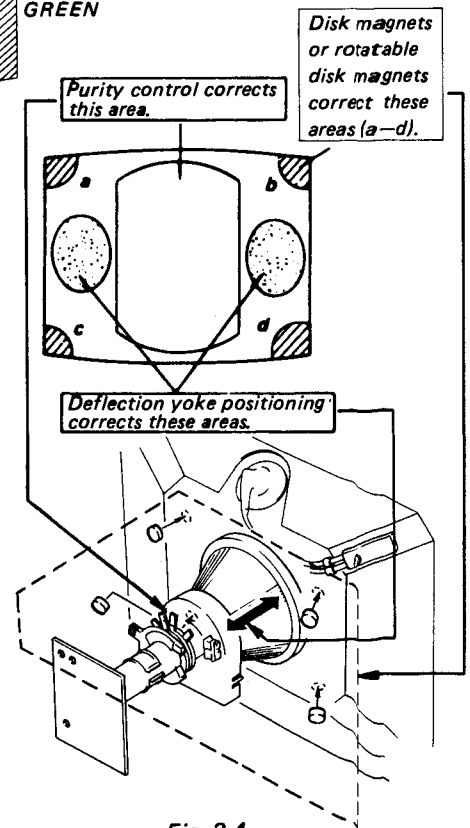
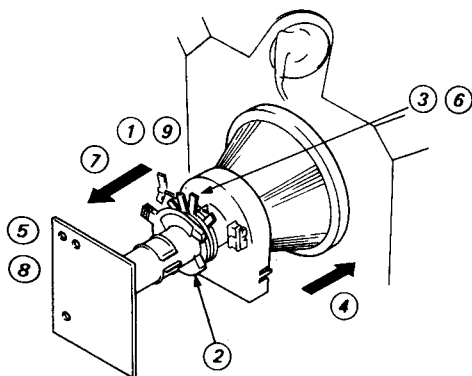


Fig. 3-4



Note: The circled numbers (1 - 9) show above steps.

3-2. CONVERGENCE

Preparation:

- Before starting this adjustment, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Turn BRIGHTNESS control fully counterclockwise.
- Feed in a dot signal.

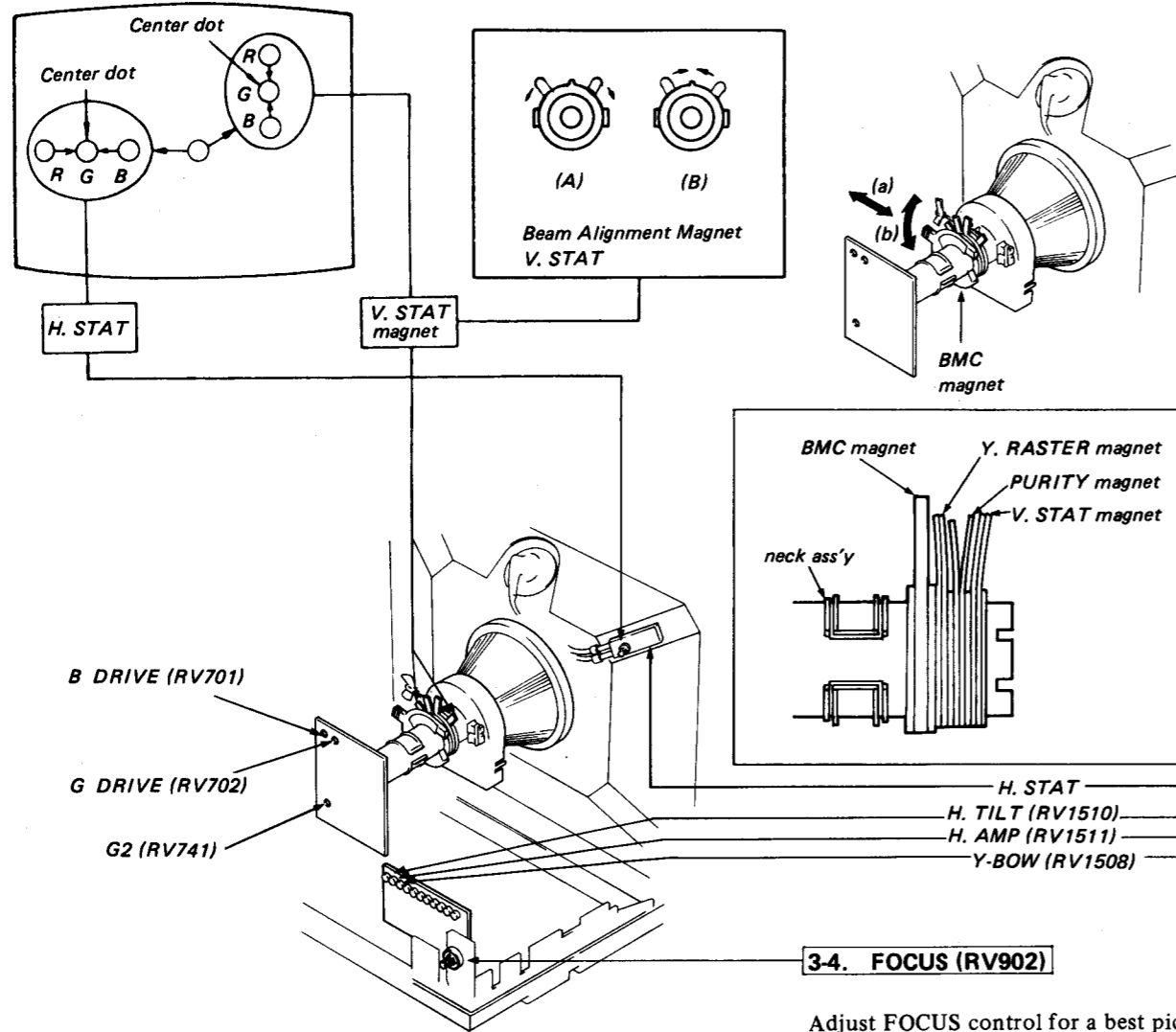
(1) Horizontal and Vertical Static Convergence

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.



3-3. G2 and WHITE BALANCE

(1) G2 ADJ.

1. Feed in a dot signal.
2. Set PIC CONTROL, BRT VR's to minimum.
3. Connect external power supply 170V DC to R, G, B cathode.
4. Adjust RV741 (G2) to the point where retrace glows faintly.

(2) W/B ADJ.

1. Feed in a color bar.
2. Set: PIC, BRT: MAX
COL : MIN
3. Adjust B, G DRIVE VR's to get white balance.
4. Set: PIC, COL: MIN
BRT : CENTER

Adjust SUB BRT (RV302) to the point where the arrow indicates.

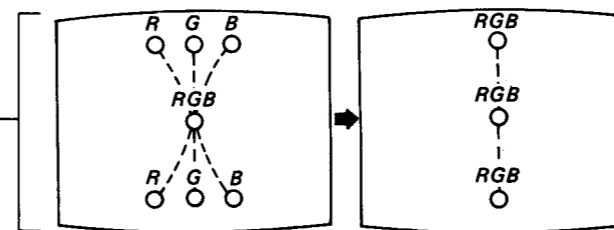
(2) Dynamic Convergence

[Misconvergence at Both Sides of Screen.]

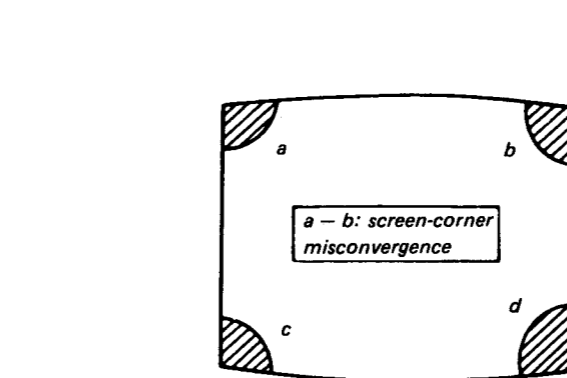
1. Set RV1511 and RV1510 to mechanical center.
2. Adjust H. STAT control so that green and blue dots coincide at center of screen.
3. Adjust RV1510 so that X1 is equal to X3.
4. Adjust RV1511 so that X2 is equal to X3.
5. Repeat above Steps 1 through 4 two or three times.

[Top and Bottom Misconvergence]

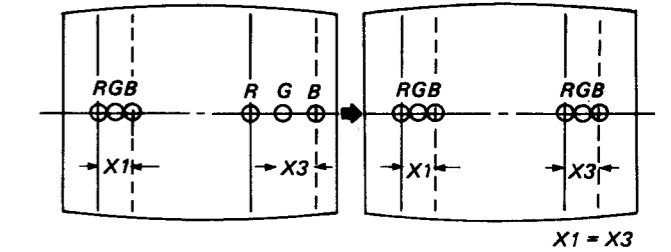
(A) Y. BOW (RV1508)



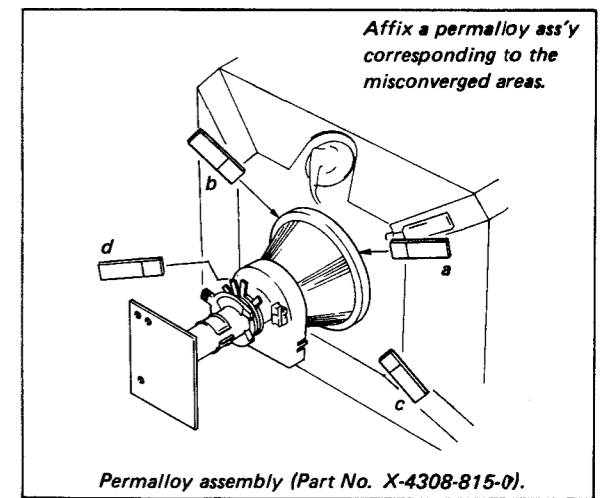
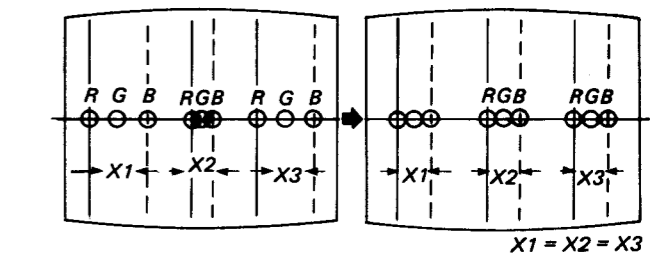
(D) Screen-corner Convergence



(B) H. TILT (RV1510)



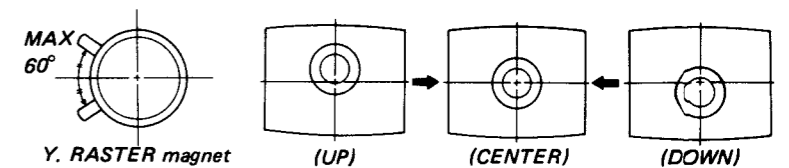
(C) H. AMP (RV1511)



3-5. V. CENT ADJUSTMENT

1. Before starting, perform H. SIZE, V. SIZE, V. LINE VR at center position.
2. Receive monoscope signal.
3. Adjust Y. RASTER magnet so that monoscope pattern is positioned at the center of screen.

Note: The opening angle of Y. RASTER magnet should be within 60°.



SIMPLE ADJUSTMENT METHOD

1. Receive an air signal.
2. Set PIC, BRT, COL to MAX.
3. Set B, G DRIVE VR's to mechanical center.
4. Turn G2 VR fully to the left and right and adjust to the center of the range over which color does not change.

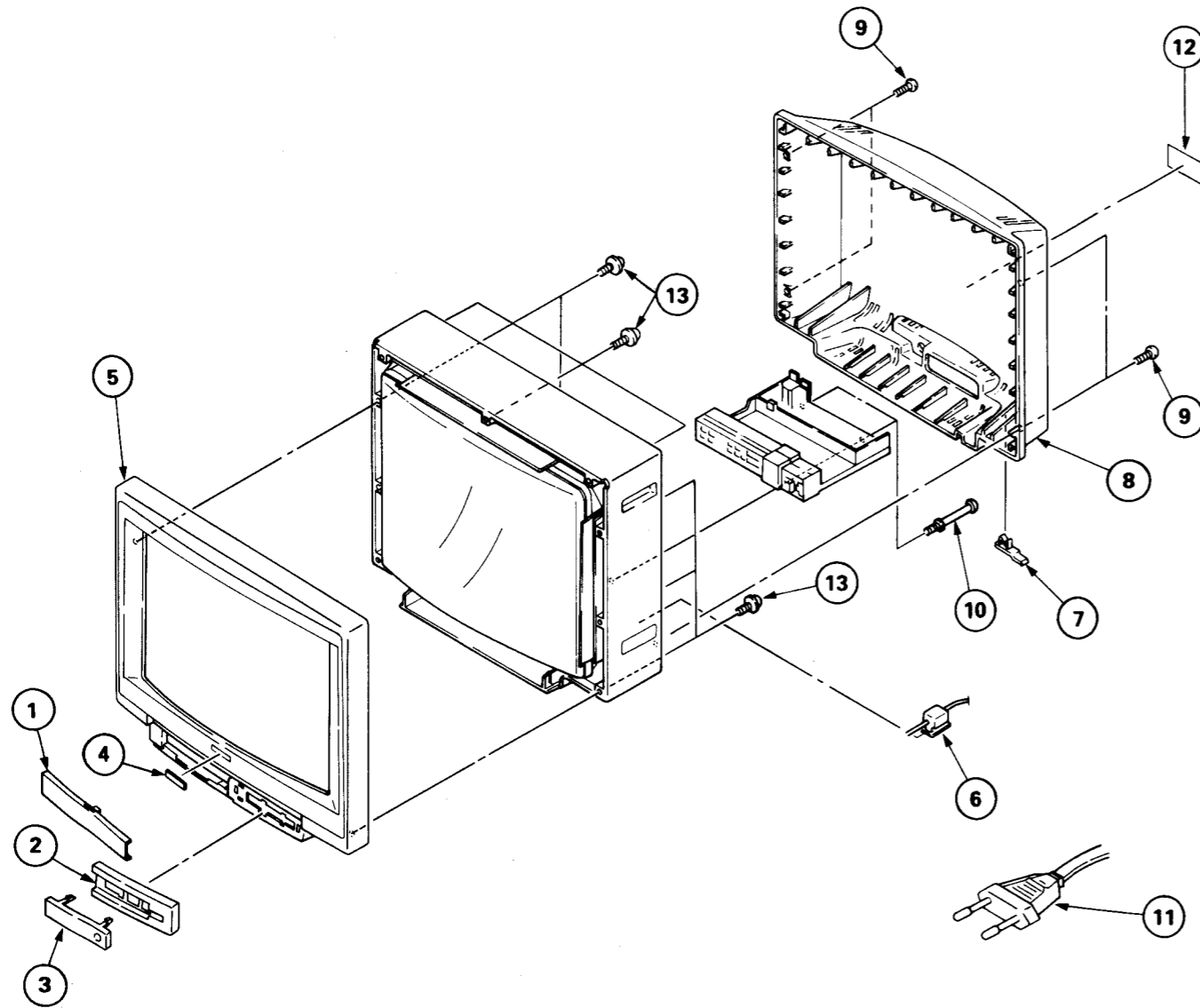
SECTION 4
EXPLODED VIEWS

NOTE:
• Items with no part number and no description are not stocked because they are seldom required for routine service.
• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

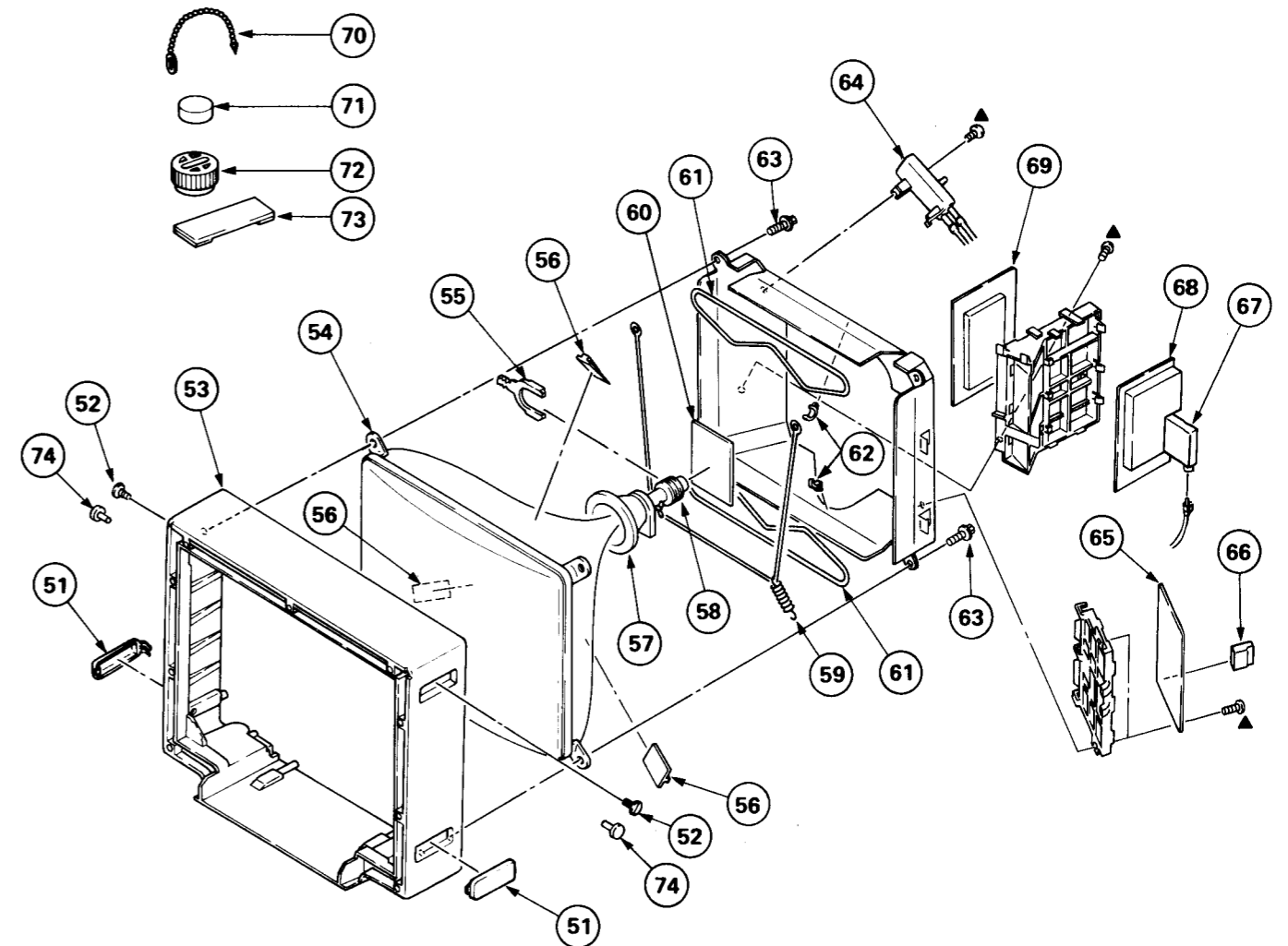
4-1. BEZEL



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-143-1	DOOR ASSY (GRAY)		7	4-329-127-00	CLAMP, CORD	
	X-4374-143-2	DOOR ASSY (LIGHT GRAY)		8	4-361-927-11	COVER, BACK (LIGHT GRAY)	
2	4-374-498-01	COVER, ORNAMENTAL (GRAY)			4-361-927-21	COVER, BACK (GRAY)	
	4-374-498-11	COVER, ORNAMENTAL (LIGHT GRAY)		9	4-365-513-00	SCREW (4X16), TAPPING, SPECIAL	
3	4-374-496-01	WINDOW, ORNAMENTAL		10	4-363-671-00	SCREW (DIA.4), SPECIAL	
4	4-374-115-01	EMBLEM, SONY		11	Δ 1-551-270-11	CORD, POWER	
5	X-4374-144-1	BEZEL ASSY (GRAY)	4	12	*4-381-104-01	LABEL, COMBINATION	
	X-4374-144-2	BEZEL ASSY (LIGHT GRAY)	4	13	4-309-749-00	SCREW, TAPPING, +PW4X20	
6	Δ 4-022-115-01	HOLDER, AC CORD					

4-2. CABINET

Δ : TA, BV4x12 7-685-661-14

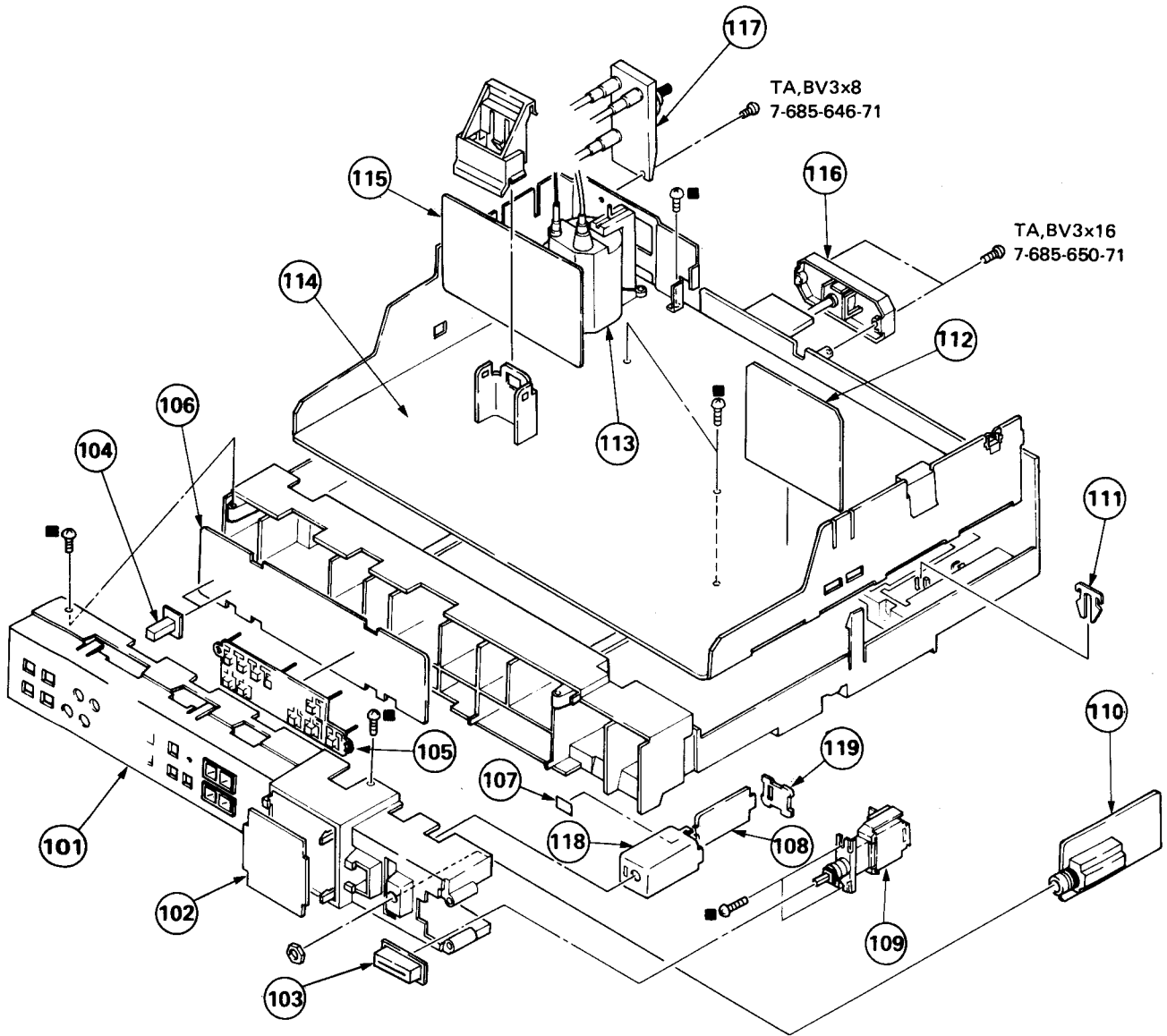


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-361-907-31	PLATE, ORNAMENTAL, CABINET (GRAY) (KV-27EXD ONLY)		61	Δ 1-426-278-11	COIL, DEMAGNETIZATION	
	4-361-907-41	PLATE, ORNAMENTAL, CABINET (LIGHT GRAY) (KV-27EXD ONLY)		62	*4-371-629-01	STOPPER, WIRE	
52	4-364-870-11	SCREW, ORNAMENTAL (GRAY) (KV-27EXD ONLY)		63	4-374-494-01	SCREW, SPECIAL	
	4-364-870-21	SCREW, ORNAMENTAL (LIGHT GRAY) (KV-27EXD ONLY)		64	Δ 1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
53	X-4374-145-1	CABINET ASSY (GRAY)		65	*A-1245-313-A	F BOARD, SUB COMPLETE	
	X-4374-145-2	CABINET ASSY (LIGHT GRAY)		66	*4-375-709-01	COVER, FUSE	
54	Δ 8-736-653-05	CRT (A64JK160X)		67	Δ 1-463-577-11	TUNER, ET (BT-883A)	
55	1-452-146-21	MAGNET, BMC		68	*A-1296-108-A	A BOARD, SUB COMPLETE	
56	3-703-003-00	SPACER, DY		69	*A-1325-025-A	V BOARD COMPLETE (KV-27EXTD ONLY)	
57	Δ 1-451-255-31	DEFLECTION YOKE (SY-164)		70	4-308-870-00	CLIP, LEAD WIRE	
58	Δ 1-452-391-21	NECK ASSY, CRT (NA305)		71	1-452-032-00	MAGNET, DISK; 10MM ϕ	
59	4-303-774-XX	SPRING		72	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
60	*A-1330-712-A	C BOARD, COMPLETE		73	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
				74	4-381-153-01	CAP, ORNAMENTAL (GRAY) (KV-27EXTD ONLY)	
					4-381-153-11	CAP, ORNAMENTAL (LIGHT GRAY) (KV-27EXTD ONLY)	

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

4.3. CHASSIS

■ : TA, BV3x12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	4-363-677-00	PANEL, CONTROL		110	*1-618-883-11	J1 BOARD	
102	*1-613-720-22	H2 BOARD		111	*4-369-712-01	STOPPER	
103	4-374-495-01	BUTTON, POWER		112	*A-1135-316-A	SCM BOARD, COMPLETE	
104	4-361-938-00	PUSH BUTTON (A)		113	▲1-439-332-42	TRANSFORMER ASSY, FLYBACK	
105	4-363-675-00	BUTTON, MULTI		114	*A-1345-618-A	D BOARD, SUB COMPLETE	
106	*1-613-719-22	H1 BOARD		115	*A-1340-817-A	D1 BOARD, COMPLETE	
107	*4-333-624-00	FILM (N), SPECIAL		116	▲1-536-817-31	TERMINAL BOARD ASSY, ANTENNA	
108	*1-611-717-11	N BOARD		117	▲1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
109	▲1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)		118	*4-342-117-00	CASE, SHIELD (MAIN), R	
				119	*4-342-118-00	LID, SHIELD CASE, R	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SCM F

**SECTION 5
ELECTRICAL PARTS LIST**

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1135-316-A	SCM BOARD, COMPLETE	*****		Q1359	8-729-178-54	TRANSISTOR 2SC2785	
				Q1360	8-729-178-54	TRANSISTOR 2SC2785	
*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P					RESISTOR	
		CAPACITOR		R1351	1-215-738-91	METAL 1K 5% 1/6W	
C1351	1-104-069-00	POLYSTYRENE 470PF 5% 50V		R1352	1-215-802-91	METAL 470K 5% 1/6W	
C1352	1-101-880-00	CERAMIC 47PF 5% 50V		R1353	1-215-778-91	METAL 47K 5% 1/6W	
C1353	1-110-192-81	MYLAR 0.015MF 10% 400V		R1354	1-215-706-91	METAL 47 5% 1/6W	
C1354	1-123-369-00	ELECT 4.7MF 20% 25V		R1355	1-215-750-91	METAL 3.3K 5% 1/6W	
C1355	1-102-074-00	CERAMIC 0.001MF 10% 50V		R1356	1-215-756-91	METAL 5.6K 5% 1/6W	
C1356	1-123-380-00	ELECT 1MF 20% 50V		R1357	1-215-748-91	METAL 2.7K 5% 1/6W	
C1357	1-102-074-00	CERAMIC 0.001MF 10% 50V		R1361	1-215-798-91	METAL 330K 5% 1/6W	
C1358	1-110-182-81	MYLAR 0.022MF 10% 250V		R1364	1-215-746-91	METAL 2.2K 5% 1/6W	
C1359	1-101-004-00	CERAMIC 0.01MF 50V		R1365	1-215-762-91	METAL 10K 5% 1/6W	
C1360	1-101-004-00	CERAMIC 0.01MF 50V		R1367	1-215-778-91	METAL 47K 5% 1/6W	
C1361	1-123-332-00	ELECT 47MF 20% 16V		R1368	1-215-738-91	METAL 1K 5% 1/6W	
C1362	1-102-953-00	CERAMIC 18PF 5% 50V		R1371	1-215-774-91	METAL 33K 5% 1/6W	
C1363	1-102-953-00	CERAMIC 18PF 5% 50V		R1372	1-215-716-91	METAL 120 5% 1/6W	
C1364	1-102-074-00	CERAMIC 0.001MF 10% 50V		R1373	1-215-738-91	METAL 1K 5% 1/6W	
C1366	1-101-006-00	CERAMIC 0.047MF 50V		R1374	1-215-746-91	METAL 2.2K 5% 1/6W	
C1367	1-123-356-00	ELECT 10MF 20% 16V		R1375	1-215-720-91	METAL 180 5% 1/6W	
C1368	1-102-965-00	CERAMIC 39PF 5% 50V		R1380	1-215-770-91	METAL 22K 5% 1/6W	
C1369	1-102-824-21	CERAMIC 470PF 5% 50V		R1382	1-215-158-00	METAL 1.8K 5% 1/4W	
C1370	1-110-175-81	MYLAR 0.1MF 10% 100V		R1383	1-215-746-91	METAL 2.2K 5% 1/6W	
C1371	1-110-175-81	MYLAR 0.1MF 10% 100V		R1384	1-215-752-91	METAL 3.9K 5% 1/6W	
C1372	1-102-736-00	CERAMIC 150PF 5% 50V		R1385	1-215-738-91	METAL 1K 5% 1/6W	
C1373	1-101-004-00	CERAMIC 0.01MF 50V		R1386	1-215-738-91	METAL 1K 5% 1/6W	
C1374	1-123-356-00	ELECT 10MF 20% 16V		R1387	1-215-200-00	METAL 100K 5% 1/4W	
C1375	1-123-318-00	ELECT 33MF 20% 16V		R1388	1-215-786-91	METAL 100K 5% 1/6W	
C1376	1-161-317-00	CERAMIC 330PF 10% 50V		R1389	1-215-734-91	METAL 680 5% 1/6W	
C1378	1-110-182-81	MYLAR 0.022MF 10% 250V		R1390	1-215-734-91	METAL 680 5% 1/6W	
		DIODE				VARIABLE RESISTOR	
D1351	8-719-026-11	DIODE 1T261		RV1351	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K	
		IC				*****	
IC1351	8-759-922-68	IC TDA3590A-N8		*A-1245-313-A	F BOARD, SUB COMPLETE	*****	
		COIL				CAPACITOR	
L1351	1-404-497-00	COIL		C601 A 1-108-745-62	MYLAR 0.22MF 20% 300V		
L1352	1-404-496-00	COIL		C602 A 1-108-745-62	MYLAR 0.22MF 20% 300V		
L1353	1-408-602-21	MICRO INDUCTOR 8.2UH		C603 A 1-162-578-51	CERAMIC 0.0047MF 20% 400V		
L1354	1-404-498-00	COIL		C604 A 1-162-578-51	CERAMIC 0.0047MF 20% 400V		
		TRANSISTOR		C605 A 1-162-578-51	CERAMIC 0.0047MF 20% 400V		
Q1351	8-729-178-54	TRANSISTOR 2SC2785		C606 A 1-162-578-51	CERAMIC 0.0047MF 20% 400V		
Q1352	8-729-117-54	TRANSISTOR 2SA1175		C607 A 1-161-964-61	CERAMIC 0.0047MF 250V		
Q1354	8-729-178-54	TRANSISTOR 2SC2785		C608 A 1-161-964-61	CERAMIC 0.0047MF 250V		
Q1356	8-729-117-54	TRANSISTOR 2SA1175		C609 A 1-161-964-61	CERAMIC 0.0047MF 250V		
Q1357	8-729-178-54	TRANSISTOR 2SC2785		C610	1-125-318-00 ELECT(BLOCK) 220MF 20% 400V		
				C611	1-110-175-81 MYLAR 0.1MF 10% 100V		
				C612	1-130-022-00 FILM 0.0022MF 5% 50V		

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	
C613	1-123-356-00	ELECT	10MF	20%	16V	D656	8-719-924-06	ERC24-06S
C614	1-123-369-00	ELECT	4.7MF	20%	25V	D657	8-719-924-06	ERC24-06S
C615	1-102-106-00	CERAMIC	100PF	10%	50V	D658	8-719-102-74	DIODE RD6.2E-N2
C616	1-123-369-00	ELECT	4.7MF	20%	25V	D659	8-719-102-79	DIODE RD6.8E-N3
C617	1-110-186-81	MYLAR	0.0047MF	10%	400V	D660	8-719-815-55	DIODE 1S1555
C618	1-102-030-00	CERAMIC	330PF	10%	500V	D661	8-719-815-55	DIODE 1S1555
C619	1-110-182-81	MYLAR	0.022MF	10%	250V	D663	8-719-102-74	DIODE RD6.2E-N2
C620	1-123-332-00	ELECT	47MF	20%	16V	D664	8-719-100-65	DIODE RD12E-B2
C621	1-136-065-00	FILM	0.0027MF	3%	2KV			
C622	1-123-385-00	ELECT	22MF	20%	100V			CONNECTOR
C623	1-161-973-00	CERAMIC	220PF	10%	400V	F1	*1-506-349-21	3P PLUG (L)
C624	1-161-973-00	CERAMIC	220PF	10%	400V	F2	*1-508-765-00	3P PLUG (M)
C625	1-123-379-00	ELECT	0.47MF	20%	50V	F3	*1-508-786-00	2P PLUG (M)
C626	1-123-381-00	ELECT	2.2MF	20%	50V	F4	*1-508-765-00	3P PLUG (M)
C627	1-123-380-00	ELECT	1MF	20%	50V	F6	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
C628	1-108-618-91	MYLAR	0.0022MF	10%	100V	F7	*1-564-883-11	PLUG, CONNECTOR 6P
C632	1-102-002-00	CERAMIC	680PF	10%	500V			FUSE
C633	1-108-745-62	MYLAR	0.22MF	20%	300V	F601	1-532-350-11	FUSE, TIME-LAG 4A/250V
C634	1-110-175-81	MYLAR	0.1MF	10%	100V		1-533-149-00	HOLDER, FUSE; F601
C651	1-102-155-00	CERAMIC	330PF	20%	2KV			IC
C652	1-124-347-00	ELECT	100MF	20%	160V	IC601	8-759-100-75	IC UPC1394C
C653	1-123-364-00	ELECT	1000MF	20%	50V	IC602	8-719-800-82	DIODE TL P581
C654	1-123-606-00	ELECT	1000MF	20%	25V	IC651	8-759-145-58	IC UPC4558C
C655	1-123-334-00	ELECT	220MF	20%	25V			COIL
C656	1-102-038-00	CERAMIC	0.001MF		500V	L601	1-407-365-00	COIL, CHOKE
C658	1-123-332-00	ELECT	47MF	20%	16V	L651	1-425-613-00	COIL, AIR-CORE, QF TYPE
C659	1-102-112-00	CERAMIC	330PF	10%	50V	L652	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)
C660	1-123-356-00	ELECT	10MF	20%	50V			TRANSISTOR
C661	1-123-333-00	ELECT	100MF	20%	16V	Q601	8-729-195-82	TRANSISTOR 2SC2958
C662	1-110-190-81	MYLAR	0.01MF	10%	400V	Q602	8-729-301-00	TRANSISTOR 2SD1497-02
C663	1-123-380-00	ELECT	1MF	20%	50V		4-365-216-00	SPACER, MICA; Q602
C664	1-123-380-00	ELECT	1MF	20%	50V		*4-368-683-01	SPRING; Q602
C666	1-123-307-00	ELECT	100MF	20%	6.3V	Q603	8-729-178-54	TRANSISTOR 2SC2785
C667	1-102-121-00	CERAMIC	0.0022MF	10%	50V	Q604	8-729-117-54	TRANSISTOR 2SA1175
C668	1-110-190-81	MYLAR	0.01MF	10%	400V	Q651	8-729-109-53	TRANSISTOR 2SD795A-P
							*4-323-833-00	HEAT SINK, PIN OUT; Q651
						Q652	8-729-178-54	TRANSISTOR 2SC2785
								RESISTOR
D601	8-719-503-06	DIODE	S3WB60Z			R601	1-217-328-11	WIREWOUND 2.7 10% 7W F
D602	8-719-100-65	DIODE	RD12E-B2			R602	1-244-945-91	CARBON 1M 5% 1/2W
D603	8-719-815-55	DIODE	1S1555			R603	1-205-758-11	CEMENTED 100 10% 10W F
D604	8-759-157-40	IC	UPC574J			R604	1-247-289-11	CARBON 8.2M 5% 1W
D605	8-719-924-06	DIODE	ERC24-06S			R605	1-215-798-91	METAL 330K 5% 1/6W
D606	8-719-815-55	DIODE	1S1555			R606	1-215-770-91	METAL 22K 5% 1/6W
D607	8-719-815-55	DIODE	1S1555			R608	1-215-746-91	METAL 2.2K 5% 1/6W
D608	8-719-815-55	DIODE	1S1555			R609	1-215-871-11	METAL OXIDE 2.2K 5% 1W F
D609	8-719-305-15	DIODE	GH3F			R611	1-215-776-91	METAL 39K 5% 1/6W
D651	8-719-928-08	DIODE	ERD28-08S			R612	1-215-904-51	METAL OXIDE 100K 5% 2W F
D652	8-719-924-06	DIODE	ERC24-06S					
D653	8-719-924-06	DIODE	ERC24-06S					
D654	8-719-901-93	DIODE	V19E					
D654A	8-719-924-06	ERC24-06S						
D655	8-719-901-93	DIODE	V19E					
D655A	8-719-924-06	ERC24-06S						

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R613	1-215-872-11	METAL OXIDE	3.3K 5% 1W F			<u>THERMISTOR</u>	
R614	1-216-458-11	METAL OXIDE	1.8K 5% 2W F				
R615	1-205-793-00	CEMENTED	30K 10% 10W	TH601	1-800-944-00	THERMISTOR TH-4700	
R616	1-215-772-91	METAL	27K 5% 1/6W	TH651	1-800-944-00	THERMISTOR TH-4700	
R621	1-215-762-91	METAL	10K 5% 1/6W	THP601A	1-806-387-11	THERMISTOR (POSITIVE)	
R622	1-215-770-91	METAL	22K 5% 1/6W	*****			
R623	1-215-162-00	METAL	2.7K 5% 1/4W	*1-611-717-11	N BOARD		
R624	1-215-754-91	METAL	4.7K 5% 1/6W		*****		
R625	1-215-786-91	METAL	100K 5% 1/6W	*4-342-117-00	CASE, SHIELD (MAIN), R		
R626	1-215-150-00	METAL	820 5% 1/4W	*4-342-118-00	LID, SHIELD CASE, R		
R627	1-215-722-91	METAL	220 5% 1/6W	<u>CAPACITOR</u>			
R628	1-215-796-91	METAL	270K 5% 1/6W	C1	1-123-611-00	ELECT 1MF 20% 50V	
R629	1-215-758-91	METAL	6.8K 5% 1/6W	C2	1-123-613-00	ELECT 3.3MF 20% 50V	
R630	1-215-112-00	METAL	22 5% 1/4W	C3	1-102-112-00	CERAMIC 330PF 10% 50V	
R631	1-205-728-00	CEMENTED	47 10% 7W	C4	1-123-821-00	ELECT 47MF 20% 16V	
R632	1-217-192-00	WIREWOUND	0.22 10% 2W F	<u>DIODE</u>			
R633	1-215-798-91	METAL	330K 5% 1/6W	D1	8-719-110-32	DIODE PH302B	
R634	1-215-800-91	METAL	390K 5% 1/6W	<u>IC</u>			
R635	1-215-756-91	METAL	5.6K 5% 1/6W	IC1	8-759-602-54	IC CX20106A	
R636	1-215-803-91	METAL	510K 5% 1/6W	<u>RESISTOR</u>			
R637	1-215-770-91	METAL	22K 5% 1/6W	R1	1-247-799-00	CARBON 47 5% 1/6W	
R638	1-215-747-91	METAL	2.4K 5% 1/6W	R2	1-247-775-00	CARBON 4.7 5% 1/6W	
R639	1-215-754-91	METAL	4.7K 5% 1/6W	R3	1-214-784-00	METAL 200K 1% 1/4W	
R640	1-215-200-81	METAL	100K 5% 1/4W	R4	1-249-433-11	CARBON 22K 5% 1/6W	
R641	1-215-200-81	METAL	100K 5% 1/4W	*****			
R651	1-216-455-11	METAL OXIDE	560 5% 2W F	*A-1296-108-A	A BOARD, SUB COMPLETE		
R652	1-216-430-11	METAL OXIDE	390 5% 1W F		*****		
R653	1-215-754-91	METAL	4.7K 5% 1/6W	*4-368-692-01	CASE (MAIN), SHIELD		
R654	1-216-464-11	METAL OXIDE	18K 5% 2W F	*4-368-693-02	CASE (UPPER LID), SHIELD		
R657	1-215-698-91	METAL	22 5% 1/6W	*4-368-694-01	CASE (BOTTOM LID), SHIELD		
R659	1-215-865-11	METAL OXIDE	220 5% 1W F	<u>CONNECTOR</u>			
R660	1-216-370-11	METAL OXIDE	1.2 5% 2W F	A1	*1-564-880-31	PLUG, CONNECTOR 3P	
R662	1-215-776-91	METAL	39K 5% 1/6W	A2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
R663	1-215-764-91	METAL	12K 5% 1/6W	A3	*1-564-889-11	PLUG, CONNECTOR 12P	
R664	1-215-200-00	METAL	100K 5% 1/4W	<u>CAPACITOR</u>			
R665	1-215-753-91	METAL	4.3K 5% 1/6W	C102	1-110-175-81	MYLAR 0.1MF 10% 100V	
R666	1-215-144-00	METAL	470 5% 1/4W	C104	1-123-356-00	ELECT 10MF 20% 16V	
R667	1-215-126-81	METAL	82 5% 1/4W	C105	1-123-356-00	ELECT 10MF 20% 16V	
R668	1-215-778-91	METAL	47K 5% 1/6W	C106	1-123-323-00	ELECT 470MF 20% 16V	
R669	1-215-166-00	METAL	3.9K 5% 1/4W	C107	1-123-330-00	ELECT 22MF 20% 16V	
R670	1-215-746-91	METAL	2.2K 5% 1/6W	C108	1-136-163-00	FILM 0.068MF 5% 50V	
<u>VARIABLE RESISTOR</u>				C109	1-136-163-00	FILM 0.068MF 5% 50V	
RV651	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K		C110	1-102-963-00	CERAMIC 33PF 5% 50V	
RV652	1-230-521-11	RES, ADJ, METAL GLAZE 2.2K		C111	1-123-318-00	ELECT 33MF 20% 16V	
<u>TRANSFORMER</u>							
T601	1-421-758-11	TRANSFORMER, LINE FILTER (LFT)					
T602	1-421-592-11	TRANSFORMER, FERRITE					
T603	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE					
T605	1-421-733-11	SRT					

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C112	1-102-530-00	CERAMIC	120PF 5% 50V	C171	1-123-318-00	ELECT	33MF 20% 16V
C113	1-102-530-00	CERAMIC	120PF 5% 50V	C172	1-123-379-00	ELECT	0.47MF 20% 50V
C114	1-102-851-00	CERAMIC	15PF 5% 50V	C173	1-123-379-00	ELECT	0.47MF 20% 50V
C115	1-102-518-00	CERAMIC	33PF 5% 50V	C174	1-110-190-81	MYLAR	0.01MF 10% 400V
C116	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C175	1-110-190-81	MYLAR	0.01MF 10% 400V
C117	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C176	1-123-380-00	ELECT	1MF 20% 50V
C118	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C177	1-123-380-00	ELECT	1MF 20% 50V
C119	1-108-603-00	MYLAR	0.1MF 5% 50V	C179	1-123-369-00	ELECT	4.7MF 20% 25V
C120	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C180	1-108-620-91	MYLAR	0.0033MF 10% 100V
C122	1-123-330-00	ELECT	22MF 20% 16V	C181	1-123-318-00	ELECT	33MF 20% 16V
C123	1-102-108-00	CERAMIC	150PF 10% 50V	C182	1-123-307-00	ELECT	100MF 20% 10V
C124	1-104-069-00	POLYSTYRENE	470PF 5% 50V	C183	1-101-361-00	CERAMIC	150PF 5% 50V
C126	1-123-318-00	ELECT	33MF 20% 16V	C184	1-102-973-00	CERAMIC	100PF 5% 50V
C127	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C186	1-102-121-00	CERAMIC	0.0022MF 10% 50V
C128	1-101-004-00	CERAMIC	0.01MF 50V	C188	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C129	1-101-004-00	CERAMIC	0.01MF 50V	C189	1-101-006-21	CERAMIC	0.047MF 50V
C130	1-102-125-00	CERAMIC	0.0047MF 10% 50V			<u>FILTER</u>	
C131	1-123-381-00	ELECT	2.2MF 20% 50V	CD151	1-404-501-00	DISCRIMINATOR, CERAMIC	
C132	1-102-125-00	CERAMIC	0.0047MF 10% 50V	CF101	1-527-840-00	FILTER, CERAMIC	
C133	1-102-125-00	CERAMIC	0.0047MF 10% 50V	CF102	1-404-134-00	TRAP, CERAMIC (5.5MHZ)	
C134	1-102-125-00	CERAMIC	0.0047MF 10% 50V	CF151	1-527-839-00	FILTER, CERAMIC	
C135	1-102-525-00	CERAMIC	68PF 5% 50V	SWF101	1-404-438-00	FILTER, SAW	
C136	1-102-525-00	CERAMIC	68PF 5% 50V			<u>DIODE</u>	
C137	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D101	8-719-911-19	DIODE 1SS119	
C138	1-123-380-00	ELECT	1MF 20% 50V	D102	8-719-911-19	DIODE 1SS119	
C139	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D103	8-719-102-71	DIODE RD5.6E-N2	
C140	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D104	8-719-911-19	DIODE 1SS119	
C141	1-123-318-00	ELECT	33MF 20% 16V	D105	8-719-911-19	DIODE 1SS119	
C142	1-102-525-00	CERAMIC	68PF 5% 50V	D151	8-719-911-19	DIODE 1SS119	
C143	1-101-004-00	CERAMIC	0.01MF 50V	D152	8-719-911-19	DIODE 1SS119	
C144	1-123-286-00	ELECT	0.33MF 20% 50V	D153	8-719-911-19	DIODE 1SS119	
C145	1-102-961-00	CERAMIC	27PF 5% 50V	D154	8-719-911-19	DIODE 1SS119	
C146	1-123-380-00	ELECT	1MF 20% 50V	D170	8-719-911-19	DIODE 1SS119	
C147	1-130-072-00	FILM	0.022MF 2% 100V	D171	8-719-911-19	DIODE 1SS119	
C148	1-110-186-81	MYLAR	0.0047MF 10% 400V			<u>IC</u>	
C149	1-102-529-00	CERAMIC	100PF 5% 50V	IC101	8-759-909-08	IC TDA3541	
C150	1-102-852-00	CERAMIC	47PF 5% 50V	IC102	8-759-909-54	IC TDA2546A	
C151	1-101-004-00	CERAMIC	0.01MF 50V	IC103	8-759-602-16	IC M54572L	
C152	1-101-004-00	CERAMIC	0.01MF 50V	IC151	8-759-007-54	IC TDA4940	
C153	1-123-356-00	ELECT	10MF 20% 16V	IC152	8-759-007-55	IC TDA4944	
C154	1-101-004-00	CERAMIC	0.01MF 50V			<u>COIL</u>	
C155	1-123-332-00	ELECT	47MF 20% 16V	L101	1-404-476-00	COIL, IF	
C156	1-123-306-00	ELECT	47MF 20% 10V	L102	1-404-476-00	COIL, IF	
C157	1-123-306-00	ELECT	47MF 20% 10V	L103	1-408-432-31	MICRO INDUCTOR 1.5UH	
C158	1-123-379-00	ELECT	0.47MF 20% 50V	L104	1-408-406-00	MICRO INDUCTOR 5.6UH	
C159	1-102-816-00	CERAMIC	120PF 5% 50V	L105	1-404-477-00	COIL, IF	
C160	1-102-125-00	CERAMIC	0.0047MF 10% 50V	L106	1-404-493-00	COIL	
C164	1-108-620-91	MYLAR	0.0033MF 10% 100V	L107	1-404-493-00	COIL	
C165	1-108-620-91	MYLAR	0.0033MF 10% 100V	L109	1-408-603-00	MICRO INDUCTOR 10UH	
C167	1-108-620-91	MYLAR	0.0033MF 10% 100V				
C168	1-108-620-91	MYLAR	0.0033MF 10% 100V				
C169	1-123-356-00	ELECT	10MF 20% 16V				
C170	1-123-356-00	ELECT	10MF 20% 16V				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
L110	1-408-406-00	MICRO INDUCTOR 5.6UH		R132	1-215-762-91	METAL 10K 5% 1/6W	
L111	1-404-493-00	COIL		R134	1-215-782-91	METAL 68K 5% 1/6W	
L113	1-408-226-00	MICRO INDUCTOR 82UH		R135	1-215-776-91	METAL 39K 5% 1/6W	
L114	1-407-489-00	MICRO INDUCTOR 560UH		R136	1-215-770-91	METAL 22K 5% 1/6W	
L116	1-408-406-00	MICRO INDUCTOR 5.6UH		R137	1-215-770-91	METAL 22K 5% 1/6W	
L117	1-408-428-00	MICRO INDUCTOR 390UH		R140	1-215-738-91	METAL 1K 5% 1/6W	
L170	1-408-247-00	MICRO INDUCTOR 33MMH		R141	1-215-766-91	METAL 15K 5% 1/6W	
L171	1-408-408-00	MICRO INDUCTOR 8.2UH		R142	1-215-786-91	METAL 100K 5% 1/6W	
<u>TRANSISTOR</u>				R143	1-215-786-91	METAL 100K 5% 1/6W	
Q101	8-729-178-54	TRANSISTOR 2SC2785		R144	1-215-752-91	METAL 3.9K 5% 1/6W	
Q102	8-729-105-47	TRANSISTOR 2SC2026-L		R145	1-215-752-91	METAL 3.9K 5% 1/6W	
Q103	8-729-117-54	TRANSISTOR 2SA1175		R146	1-215-754-91	METAL 4.7K 5% 1/6W	
Q104	8-729-900-36	TRANSISTOR DTC124ES		R151	1-215-736-91	METAL 820 5% 1/6W	
Q105	8-729-117-54	TRANSISTOR 2SA1175		R152	1-215-776-91	METAL 39K 5% 1/6W	
Q151	8-729-178-54	TRANSISTOR 2SC2785		R153	1-215-728-91	METAL 390 5% 1/6W	
Q152	8-729-178-54	TRANSISTOR 2SC2785		R154	1-215-714-91	METAL 100 5% 1/6W	
Q153	8-729-178-54	TRANSISTOR 2SC2785		R155	1-215-770-91	METAL 22K 5% 1/6W	
Q154	8-729-900-89	TRANSISTOR DTC144ES		R156	1-215-784-91	METAL 82K 5% 1/6W	
Q155	8-729-178-54	TRANSISTOR 2SC2785		R157	1-215-754-91	METAL 4.7K 5% 1/6W	
Q156	8-729-178-54	TRANSISTOR 2SC2785		R158	1-215-754-91	METAL 4.7K 5% 1/6W	
Q157	8-729-900-89	TRANSISTOR DTC144ES		R159	1-215-754-91	METAL 4.7K 5% 1/6W	
Q158	8-729-900-89	TRANSISTOR DTC144ES		R160	1-215-754-91	METAL 4.7K 5% 1/6W	
Q172	8-729-117-54	TRANSISTOR 2SA1175		R161	1-215-738-91	METAL 1K 5% 1/6W	
Q173	8-729-178-54	TRANSISTOR 2SC2785		R162	1-215-738-91	METAL 1K 5% 1/6W	
Q174	8-729-178-54	TRANSISTOR 2SC2785		R166	1-215-750-91	METAL 3.3K 5% 1/6W	
Q175	8-729-178-54	TRANSISTOR 2SC2785		R167	1-215-774-91	METAL 33K 5% 1/6W	
<u>RESISTOR</u>				R168	1-215-770-91	METAL 22K 5% 1/6W	
R101	1-215-738-91	METAL 1K 5% 1/6W		R172	1-215-720-91	METAL 180 5% 1/6W	
R102	1-215-738-91	METAL 1K 5% 1/6W		R173	1-215-778-91	METAL 47K 5% 1/6W	
R105	1-215-760-91	METAL 8.2K 5% 1/6W		R174	1-215-796-91	METAL 270K 5% 1/6W	
R106	1-215-750-91	METAL 3.3K 5% 1/6W		R175	1-215-772-91	METAL 27K 5% 1/6W	
R107	1-215-750-91	METAL 3.3K 5% 1/6W		R176	1-215-738-91	METAL 1K 5% 1/6W	
R108	1-215-798-91	METAL 330K 5% 1/6W		R177	1-215-762-91	METAL 10K 5% 1/6W	
R109	1-215-746-91	METAL 2.2K 5% 1/6W		R178	1-215-762-91	METAL 10K 5% 1/6W	
R110	1-215-746-91	METAL 2.2K 5% 1/6W		R179	1-215-762-91	METAL 10K 5% 1/6W	
R111	1-215-754-91	METAL 4.7K 5% 1/6W		R180	1-215-738-91	METAL 1K 5% 1/6W	
R112	1-215-734-91	METAL 680 5% 1/6W		R181	1-215-740-91	METAL 1.2K 5% 1/6W	
R113	1-215-752-91	METAL 3.9K 5% 1/6W		R182	1-215-746-91	METAL 2.2K 5% 1/6W	
R114	1-215-722-91	METAL 220 5% 1/6W		R183	1-215-738-91	METAL 1K 5% 1/6W	
R115	1-215-750-91	METAL 3.3K 5% 1/6W		R184	1-215-724-91	METAL 270 5% 1/6W	
R116	1-215-730-91	METAL 470 5% 1/6W		R185	1-215-726-91	METAL 330 5% 1/6W	
R117	1-215-710-91	METAL 68 5% 1/6W		R188	1-215-766-91	METAL 15K 5% 1/6W	
R118	1-215-724-91	METAL 270 5% 1/6W		R191	1-215-732-91	METAL 560 5% 1/6W	
R119	1-215-730-91	METAL 470 5% 1/6W		R192	1-215-732-91	METAL 560 5% 1/6W	
R120	1-215-778-91	METAL 47K 5% 1/6W		R193	1-215-714-91	METAL 100 5% 1/6W	
R122	1-215-762-91	METAL 10K 5% 1/6W		<u>VARIABLE RESISTOR</u>			
R125	1-215-736-91	METAL 820 5% 1/6W		RV101	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
R126	1-215-736-91	METAL 820 5% 1/6W		RV151	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K	
R127	1-215-736-91	METAL 820 5% 1/6W		<u>TUNER</u>			
R129	1-215-810-91	METAL 1M 5% 1/6W		TU101	1-463-577-11	TUNER, ET (BT-883A)	
R131	1-215-778-91	METAL 47K 5% 1/6W					

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R022	1-215-716-91	METAL 120 5% 1/6W		C706	1-102-945-00	CERAMIC 8PF 1PF 50V	
R023	1-215-776-91	METAL 39K 5% 1/6W		C709	1-123-356-00	ELECT 10MF 20% 16V	
R024	1-215-756-91	METAL 5.6K 5% 1/6W		C711	1-102-963-00	CERAMIC 33PF 5% 50V	
R025	1-215-746-91	METAL 2.2K 5% 1/6W		C712	1-102-963-00	CERAMIC 33PF 5% 50V	
R040	1-215-714-91	METAL 100 5% 1/6W		C713	1-102-963-00	CERAMIC 33PF 5% 50V	
R044	1-217-376-00	FUSIBLE 1.2 5% 1/4W F		C731	1-123-356-00	ELECT 10MF 20% 16V	
R046	1-215-726-91	METAL 330 5% 1/6W		C732	1-101-006-21	CERAMIC 0.047MF 50V	
R047	1-215-762-91	METAL 10K 5% 1/6W		C733	1-123-356-00	ELECT 10MF 20% 25V	
R048	1-215-764-91	METAL 12K 5% 1/6W		C735	1-123-356-00	ELECT 10MF 20% 25V	
R052	1-215-738-91	METAL 1K 5% 1/6W		C737	1-123-254-00	ELECT 10MF 250V	
R065	1-215-738-91	METAL 1K 5% 1/6W		C741	1-129-714-00	FILM 0.01MF 10% 630V	
		<u>VARIABLE RESISTOR</u>		C742	1-102-249-00	CERAMIC 680PF 20% 2KV	
RV001	1-230-631-11	RES, ADJ, CARBON 22K		C751	1-101-361-00	CERAMIC 150PF 5% 50V	
RV002	1-224-247-XX	RES, ADJ, METAL GLAZE 100		C752	1-108-617-91	MYLAR 0.0018MF 10% 100V	
		<u>CONNECTOR</u>		C753	1-106-196-00	MYLAR 0.01MF 10% 100V	
V1	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C754	1-102-980-00	CERAMIC 270PF 5% 50V	
V2	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C757	1-106-220-00	MYLAR 0.1MF 10% 100V	
V4	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C759	1-123-356-00	ELECT 10MF 20% 50V	
V5	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C760	1-123-382-00	ELECT 33MF 20% 50V	
V6	*1-508-784-00	1P PLUG		C761	1-101-006-21	CERAMIC 0.047MF 50V	
V9	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		C762	1-106-196-00	MYLAR 0.01MF 10% 100V	
V10	*1-508-784-00	1P PLUG				<u>DIODE</u>	
V11	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P		D701	8-719-911-19	DIODE 1SS119	
V12	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D702	8-719-911-19	DIODE 1SS119	
V13	*1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		D703	8-719-911-19	DIODE 1SS119	
		<u>CRYSTAL</u>		D704	8-719-911-19	DIODE 1SS119	
X001	1-567-162-00	OSCILLATOR, CRYSTAL		D705	8-719-911-19	DIODE 1SS119	
X002	1-567-495-11	OSCILLATOR, CRYSTAL		D706	8-719-911-19	DIODE 1SS119	
X003	1-567-192-11	OSCILLATOR, CERAMIC		D707	8-719-911-19	DIODE 1SS119	
		*****		D708	8-719-911-19	DIODE 1SS119	
		*A-1330-712-A C BOARD, COMPLETE		D709	8-719-911-19	DIODE 1SS119	
		*****				<u>COIL</u>	
		1-526-644-41 SOCKET, CRT		L701	1-408-420-00	MICRO INDUCTOR 82UH	
		<u>CONNECTOR</u>		L751	1-408-413-00	MICRO INDUCTOR 22UH	
C1	*1-508-765-00	3P PLUG (M)				<u>TRANSISTOR</u>	
C2	*1-564-879-31	PLUG, CONNECTOR 2P		Q701	8-729-255-12	TRANSISTOR 2SC2551	
C3	*1-564-880-31	PLUG, CONNECTOR 3P		Q702	8-729-255-12	TRANSISTOR 2SC2551	
C4	*1-564-884-31	PLUG, CONNECTOR 7P		Q703	8-729-255-12	TRANSISTOR 2SC2551	
C5	*1-508-766-00	4P PLUG (M)		Q704	8-729-326-11	TRANSISTOR 2SC2611	
C6	*1-508-784-00	1P PLUG			4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q704	
		<u>CAPACITOR</u>		Q705	8-729-326-11	TRANSISTOR 2SC2611	
C701	1-102-116-00	CERAMIC 680PF 10% 50V			4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q705	
C702	1-102-116-00	CERAMIC 680PF 10% 50V		Q706	8-729-326-11	TRANSISTOR 2SC2611	
C703	1-102-116-00	CERAMIC 680PF 10% 50V			4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q706	
C704	1-102-945-00	CERAMIC 8PF 1PF 50V		Q707	8-729-200-17	TRANSISTOR 2SA1091	
C705	1-102-945-00	CERAMIC 8PF 1PF 50V		Q708	8-729-200-17	TRANSISTOR 2SA1091	
				Q709	8-729-200-17	TRANSISTOR 2SA1091	
				Q710	8-729-802-47	TRANSISTOR 2SC3504-E	
				Q711	8-729-802-47	TRANSISTOR 2SC3504-E	
				Q712	8-729-802-47	TRANSISTOR 2SC3504-E	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q713	8-729-117-54	TRANSISTOR 2SA1175		R747	1-202-821-91	SOLID 1.8K 10% 1/2W	
Q714	8-729-900-36	TRANSISTOR DTC124ES		R748	1-202-821-91	SOLID 1.8K 10% 1/2W	
Q715	8-729-178-54	TRANSISTOR 2SC2785		R751	1-247-833-00	CARBON 1.2K 5% 1/6W	
Q751	8-729-178-54	TRANSISTOR 2SC2785		R752	1-247-849-00	CARBON 5.6K 5% 1/6W	
Q752	8-729-178-54	TRANSISTOR 2SC2785		R753	1-249-414-11	CARBON 560 5% 1/6W	
Q753	8-729-103-43	TRANSISTOR 2SB734		R754	1-249-434-11	CARBON 27K 5% 1/6W	
Q754	8-729-177-43	TRANSISTOR 2SD774		R755	1-249-405-11	CARBON 100 5% 1/6W	
<u>RESISTOR</u>				R756	1-249-419-11	CARBON 1.5K 5% 1/6W	
R701	1-216-485-11	METAL OXIDE 5.6K 5% 3W F		R757	1-249-405-11	CARBON 100 5% 1/6W	
R702	1-216-485-11	METAL OXIDE 5.6K 5% 3W F		R758	1-247-815-00	CARBON 220 5% 1/6W	
R703	1-216-485-11	METAL OXIDE 5.6K 5% 3W F		R760	1-247-819-00	CARBON 330 5% 1/6W	
R704	1-247-710-11	CARBON 560 5% 1/4W F		R761	1-249-429-11	CARBON 10K 5% 1/6W	
R705	1-247-710-11	CARBON 560 5% 1/4W F		R762	1-247-895-00	CARBON 470K 5% 1/6W	
R706	1-247-710-11	CARBON 560 5% 1/4W F		R763	1-249-429-11	CARBON 10K 5% 1/6W	
R707	1-249-417-11	CARBON 1K 5% 1/6W		R764	1-249-389-11	CARBON 4.7 5% 1/6W F	
R708	1-249-417-11	CARBON 1K 5% 1/6W		R765	1-249-389-11	CARBON 4.7 5% 1/6W F	
R709	1-249-417-11	CARBON 1K 5% 1/6W		R766	1-247-833-00	CARBON 1.2K 5% 1/6W	
R710	1-214-909-00	METAL 68K 1% 1/2W		R767	1-247-837-00	CARBON 1.8K 5% 1/6W	
R711	1-214-909-00	METAL 68K 1% 1/2W		R768	1-216-449-11	METAL OXIDE 56 5% 2W F	
R712	1-214-909-00	METAL 68K 1% 1/2W		R769	1-217-403-00	FUSIBLE 220 5% 1/4W F	
R713	1-249-421-11	CARBON 2.2K 5% 1/6W		<u>VARIABLE RESISTOR</u>			
R714	1-249-421-11	CARBON 2.2K 5% 1/6W		RV701	1-230-105-00	RES, ADJ, CARBON 3.3K	
R715	1-247-843-00	CARBON 3.3K 5% 1/6W		RV702	1-230-103-00	RES, ADJ, CARBON 2.2K	
R716	1-249-429-11	CARBON 10K 5% 1/6W		RV741	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
R717	1-249-429-11	CARBON 10K 5% 1/6W		<u>SPARK GAP</u>			
R718	1-249-429-11	CARBON 10K 5% 1/6W		SG701	1-519-063-XX	DISCHARGING GAP	
R719	1-247-837-00	CARBON 1.8K 5% 1/6W		SG702	1-519-063-XX	DISCHARGING GAP	
R720	1-247-837-00	CARBON 1.8K 5% 1/6W		SG703	1-519-063-XX	DISCHARGING GAP	
R721	1-247-837-00	CARBON 1.8K 5% 1/6W		*****			
R722	1-249-419-11	CARBON 1.5K 5% 1/6W		*A-1340-817-A D1 BOARD, COMPLETE			
R723	1-249-419-11	CARBON 1.5K 5% 1/6W		*****			
R724	1-249-419-11	CARBON 1.5K 5% 1/6W		<u>CAPACITOR</u>			
R725	1-214-961-00	METAL 750K 1% 1/4W		C1501	1-108-630-91	MYLAR 0.022MF 10% 100V	
R726	1-214-956-00	METAL 470K 1% 1/4W		C1503	1-106-196-00	MYLAR 0.01MF 10% 100V	
R727	1-214-787-00	METAL 270K 1% 1/4W		C1504	1-123-380-00	ELECT 1MF 20% 50V	
R730	1-247-815-00	CARBON 220 5% 1/6W		C1505	1-108-622-91	MYLAR 0.0047MF 10% 100V	
R731	1-247-851-00	CARBON 6.8K 5% 1/6W		C1506	1-123-382-00	ELECT 3.3MF 20% 50V	
R732	1-247-837-00	CARBON 1.8K 5% 1/6W		C1507	1-123-357-00	ELECT 22MF 20% 50V	
R733	1-247-236-00	CARBON 680 5% 1/2W		C1508	1-123-379-00	ELECT 0.47MF 20% 50V	
R734	1-249-421-11	CARBON 2.2K 5% 1/6W		C1509	1-123-360-00	ELECT 100MF 20% 50V	
R735	1-247-799-00	CARBON 47 5% 1/6W		C1510	1-123-381-00	ELECT 2.2MF 20% 50V	
R736	1-249-417-11	CARBON 1K 5% 1/6W		C1511	1-123-380-00	ELECT 1MF 20% 50V	
R737	1-215-878-00	METAL OXIDE 33K 5% 1W F		C1512	1-106-196-00	MYLAR 0.01MF 10% 100V	
R738	1-215-878-00	METAL OXIDE 33K 5% 1W F		C1513	1-123-332-00	ELECT 47MF 20% 16V	
R739	1-215-878-00	METAL OXIDE 33K 5% 1W F		C1514	1-123-330-00	ELECT 22MF 20% 16V	
R740	1-249-405-11	CARBON 100 5% 1/6W F		C1515	1-123-330-00	ELECT 22MF 20% 16V	
R741	1-207-458-00	WIREWOUND 0.39 10% 1/2W		C1516	1-123-360-00	ELECT 100MF 20% 50V	
R742	1-202-838-00	SOLID 100K 10% 1/2W		C1517	1-123-382-00	ELECT 3.3MF 20% 50V	
R743	1-249-429-11	CARBON 10K 5% 1/6W		C1518	1-106-192-00	MYLAR 0.0068MF 10% 100V	
R744	1-202-844-00	SOLID 330K 10% 1/2W					
R745	1-202-842-91	SOLID 220K 10% 1/2W					
R746	1-202-821-91	SOLID 1.8K 10% 1/2W					

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>RESISTOR</u>				<u>CAPACITOR</u>			
R401	1-249-425-11	CARBON	4.7K 5% 1/6W	*A-1345-618-A	D BOARD, SUB COMPLETE *****		
R402	1-249-425-11	CARBON	4.7K 5% 1/6W	4-303-483-00	HEAD, WASHER, TAPPING SCREW		
R417	1-249-425-11	CARBON	4.7K 5% 1/6W				
R418	1-249-421-11	CARBON	2.2K 5% 1/6W				
<u>VARIABLE RESISTOR</u>							
RV401	1-228-578-00	RES, VAR, CARBON 10K		C001	1-123-307-00	ELECT	100MF 20% 10V
RV402	1-228-578-00	RES, VAR, CARBON 10K		C002	1-123-381-00	ELECT	2.2MF 20% 50V
RV403	1-228-578-00	RES, VAR, CARBON 10K		C003	1-102-973-00	CERAMIC	100PF 5% 50V
RV404	1-228-578-00	RES, VAR, CARBON 10K		C004	1-108-603-00	MYLAR	0.1MF 5% 50V
RV405	1-228-578-00	RES, VAR, CARBON 10K		C005	1-123-356-00	ELECT	10MF 20% 50V
<u>SWITCH</u>							
SW401	1-554-118-00	SWITCH, PUSH (1 KEY)		C006	1-102-959-00	CERAMIC	22PF 5% 50V
SW402	1-554-118-00	SWITCH, PUSH (1 KEY)		C007	1-102-963-00	CERAMIC	33PF 5% 50V
SW407	1-553-329-00	SWITCH, PUSH (MONO KEY)		C008	1-123-356-00	ELECT	10MF 20% 50V
SW408	1-553-329-00	SWITCH, PUSH (MONO KEY)		C009	1-102-114-00	CERAMIC	470PF 10% 50V
SW411	1-553-329-00	SWITCH, PUSH (MONO KEY)		C010	1-123-369-00	ELECT	4.7MF 20% 25V
SW412	1-553-329-00	SWITCH, PUSH (MONO KEY)		C011	1-124-253-00	ELECT	0.47MF 20% 50V
SW413	1-553-329-00	SWITCH, PUSH (MONO KEY)		C012	1-101-004-00	CERAMIC	0.01MF 50V
SW414	1-553-329-00	SWITCH, PUSH (MONO KEY)		C015	1-123-381-00	ELECT	2.2MF 20% 50V
SW415	1-553-329-00	SWITCH, PUSH (MONO KEY)		C016	1-101-810-00	CERAMIC	100PF 5% 500V
SW416	1-553-329-00	SWITCH, PUSH (MONO KEY)		C017	1-123-306-00	ELECT	47MF 20% 10V
SW417	1-553-329-00	SWITCH, PUSH (MONO KEY)		C017A	1-123-307-00	ELECT	100MF 20% 10V
SW418	1-553-329-00	SWITCH, PUSH (MONO KEY)		C018	1-106-220-00	MYLAR	0.1MF 10% 100V
SW419	1-553-329-00	SWITCH, PUSH (MONO KEY)		C019	1-123-306-00	ELECT	47MF 20% 10V
*****				C020	1-102-112-00	CERAMIC	330PF 10% 50V
*1-613-720-22	H2 BOARD	*****		C022	1-161-377-00	CERAMIC	0.0047MF 20% 50V
<u>DIODE</u>				C026	1-102-074-00	CERAMIC	0.001MF 10% 50V
LED401	8-719-908-08	DIODE SL-1274		C027	1-123-307-00	ELECT	100MF 20% 10V
LED402	8-719-812-41	DIODE TLR124		C201	1-102-114-00	CERAMIC	470PF 10% 50V
*4-369-741-01	HOLDER, LED;	LED402		C202	1-102-074-00	CERAMIC	0.001MF 10% 50V
LED404	8-719-812-41	DIODE TLR124		C203	1-123-380-00	ELECT	1MF 20% 50V
*4-369-741-01	HOLDER, LED;	LED404		C204	1-102-114-00	CERAMIC	470PF 10% 50V
LED405	8-719-812-41	DIODE TLR124		C205	1-123-356-00	ELECT	10MF 20% 16V
*4-369-741-01	HOLDER, LED;	LED405		C206	1-102-074-00	CERAMIC	0.001MF 10% 50V
LED406	8-719-812-41	DIODE TLR124		C207	1-123-380-00	ELECT	1MF 20% 50V
*4-369-741-01	HOLDER, LED;	LED406		C208	1-123-332-00	ELECT	47MF 20% 16V
<u>RESISTOR</u>				C209	1-106-212-00	MYLAR	0.047MF 10% 100V
R412	1-247-813-00	CARBON	180 5% 1/6W	C210	1-108-614-91	MYLAR	0.001MF 10% 100V
				C211	1-123-380-00	ELECT	1MF 20% 50V
				C212	1-123-369-00	ELECT	4.7MF 20% 50V
				C213	1-123-356-00	ELECT	10MF 20% 16V
				C214	1-123-356-00	ELECT	10MF 20% 16V
				C215	1-123-356-00	ELECT	10MF 20% 16V
				C216	1-123-356-00	ELECT	10MF 20% 16V
				C217	1-102-074-00	CERAMIC	0.001MF 10% 50V
				C218	1-106-208-00	MYLAR	0.033MF 10% 100V
				C219	1-123-356-00	ELECT	10MF 20% 16V
				C220	1-106-212-00	MYLAR	0.047MF 10% 100V
				C221	1-108-614-91	MYLAR	0.001MF 10% 100V
				C222	1-123-322-00	ELECT	330MF 20% 16V
				C223	1-123-380-00	ELECT	1MF 20% 50V
				C224	1-123-380-00	ELECT	1MF 20% 50V
				C225	1-123-322-00	ELECT	330MF 20% 16V

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C226	1-123-330-00	ELECT	22MF 20% 16V	C322	1-131-345-00	TANTALUM	0.47MF 10% 35V
C227	1-123-330-00	ELECT	22MF 20% 16V	C323	1-102-110-00	CERAMIC	220PF 10% 50V
C228	1-102-945-00	CERAMIC	8PF 1PF 50V	C324	1-102-110-00	CERAMIC	220PF 10% 50V
C229	1-102-108-00	CERAMIC	150PF 10% 50V	C325	1-136-173-00	FILM	0.47MF 5% 50V
C230	1-106-208-00	MYLAR	0.033MF 10% 100V	C326	1-136-173-00	FILM	0.47MF 5% 50V
C231	1-123-333-00	ELECT	100MF 20% 16V	C327	1-121-705-00	ELECT	2.2MF 30% 25V
C232	1-123-330-00	ELECT	22MF 20% 16V	C328	1-102-973-00	CERAMIC	100PF 5% 50V
C233	1-102-114-00	CERAMIC	470PF 10% 50V	C329	1-101-004-00	CERAMIC	0.01MF 50V
C234	1-123-379-00	ELECT	0.47MF 20% 50V	C331	1-161-330-00	CERAMIC	0.01MF 30% 25V
C235	1-123-330-00	ELECT	22MF 20% 16V	C332	1-101-880-00	CERAMIC	47PF 5% 50V
C236	1-102-114-00	CERAMIC	470PF 10% 50V	C333	1-123-356-00	ELECT	10MF 20% 16V
C237	1-123-379-00	ELECT	0.47MF 20% 50V	C334	1-123-356-00	ELECT	10MF 20% 16V
C238	1-108-603-00	MYLAR	0.1MF 5% 50V	C336	1-102-858-00	CERAMIC	10PF 0.5PF 50V
C239	1-108-603-00	MYLAR	0.1MF 5% 50V	C337	1-102-888-00	CERAMIC	150PF 5% 50V
C240	1-108-603-00	MYLAR	0.1MF 5% 50V	C338	1-102-884-00	CERAMIC	33PF 5% 50V
C241	1-124-472-11	ELECT	470MF 20% 10V	C339	1-102-959-00	CERAMIC	22PF 5% 50V
C243	1-123-332-00	ELECT	47MF 20% 16V	C340	1-102-945-00	CERAMIC	8PF 1PF 50V
C244	1-102-114-00	CERAMIC	470PF 10% 50V	C341	1-102-947-00	CERAMIC	10PF 5% 50V
C245	1-102-114-00	CERAMIC	470PF 10% 50V	C342	1-102-676-00	CERAMIC	68PF 5% 50V
C272	1-108-603-00	MYLAR	0.1MF 5% 50V	C343	1-102-973-00	CERAMIC	100PF 5% 50V
C273	1-123-359-00	ELECT	47MF 20% 50V	C344	1-123-379-00	ELECT	0.47MF 20% 50V
C274	1-123-364-00	ELECT	1000MF 20% 50V	C346	1-123-333-00	ELECT	100MF 20% 16V
C276	1-123-359-00	ELECT	47MF 20% 50V	C347	1-108-622-91	MYLAR	0.0047MF 10% 100V
C277	1-108-603-00	MYLAR	0.1MF 5% 50V	C348	1-123-379-00	ELECT	0.47MF 20% 50V
C278	1-123-349-00	ELECT	1000MF 20% 35V	C350	1-123-318-00	ELECT	33MF 20% 16V
C279	1-123-343-00	ELECT	33MF 20% 25V	C501	1-108-630-91	MYLAR	0.022MF 10% 100V
C280	1-123-349-00	ELECT	1000MF 20% 35V	C502	1-136-171-00	FILM	0.33MF 5% 50V
C281	1-123-360-00	ELECT	100MF 20% 50V	C503	1-136-171-00	FILM	0.33MF 5% 50V
C282	1-101-005-00	CERAMIC	0.022MF 50V	C504	1-102-108-00	CERAMIC	150PF 10% 50V
C283	1-101-005-00	CERAMIC	0.022MF 50V	C505	1-123-380-00	ELECT	1MF 20% 50V
C284	1-102-106-00	CERAMIC	100PF 10% 50V	C506	1-123-330-00	ELECT	22MF 20% 16V
C285	1-102-106-00	CERAMIC	100PF 10% 50V	C507	1-106-224-00	MYLAR	0.15MF 10% 100V
C288	1-108-630-91	MYLAR	0.022MF 10% 100V	C508	1-123-356-00	ELECT	10MF 20% 16V
C289	1-108-630-91	MYLAR	0.022MF 10% 100V	C509	1-123-369-00	ELECT	4.7MF 20% 25V
C290	1-123-343-00	ELECT	33MF 20% 25V	C510	1-123-323-00	ELECT	470MF 20% 16V
C291	1-123-343-00	ELECT	33MF 20% 25V	C511	1-123-379-00	ELECT	0.47MF 20% 50V
C301	1-102-944-00	CERAMIC	7PF 1PF 50V	C512	1-106-220-00	MYLAR	0.1MF 10% 100V
C302	1-102-944-00	CERAMIC	7PF 1PF 50V	C513	1-130-023-00	FILM	0.0027MF 5% 50V
C303	1-102-951-00	CERAMIC	15PF 5% 50V	C514	1-123-332-00	ELECT	47MF 20% 16V
C304	1-102-816-00	CERAMIC	120PF 5% 50V	C515	1-106-220-00	MYLAR	0.1MF 10% 100V
C308	1-123-356-00	ELECT	10MF 20% 16V	C516	1-123-357-00	ELECT	22MF 20% 50V
C309	1-123-380-00	ELECT	1MF 20% 50V	C517	1-102-030-00	CERAMIC	330PF 10% 500V
C311	1-123-323-00	ELECT	470MF 20% 16V	C518	1-129-743-00	FILM	0.022MF 10% 400V
C312	1-123-279-00	ELECT	2.2MF 20% 50V	C519	1-123-931-00	ELECT	3.3MF 20% 160V
C313	1-123-356-00	ELECT	10MF 20% 25V	C520	1-106-182-00	MYLAR	0.0027MF 10% 100V
C314	1-123-381-00	ELECT	2.2MF 20% 50V	C521	1-102-157-00	CERAMIC	560PF 10% 500V
C315	1-123-381-00	ELECT	2.2MF 20% 50V	C522	1-123-318-00	ELECT	33MF 20% 16V
C316	1-108-622-91	MYLAR	0.0047MF 10% 100V	C523	1-108-431-00	MYLAR	0.068MF 10% 200V
C317	1-108-630-91	MYLAR	0.022MF 10% 100V	C524	1-123-162-00	ELECT	1MF 20% 50V
C318	1-131-345-00	TANTALUM	0.47MF 10% 35V	C525	1-123-362-00	ELECT	330MF 20% 50V
C319	1-123-356-00	ELECT	10MF 20% 16V	C527	1-123-360-00	ELECT	100MF 20% 50V
C320	1-123-586-00	ELECT	0.1MF 20% 50V	C528	1-123-321-00	ELECT	220MF 20% 16V
C321	1-131-345-00	TANTALUM	0.47MF 10% 35V	C529	1-123-333-00	ELECT	100MF 20% 16V

D

Ref.No.	Part No.	Description
D307	8-719-911-19	DIODE 1SS119
D308	8-719-911-19	DIODE 1SS119
D309	8-719-911-19	DIODE 1SS119
D312	8-719-911-19	DIODE 1SS119
D501	8-719-911-19	DIODE 1SS119
D503	8-719-924-06	DIODE ERC24-06S
D504	8-719-924-06	DIODE ERC24-06S
D505	8-719-924-06	DIODE ERC24-06S
D506	8-719-911-19	DIODE 1SS119
D507	8-719-924-06	DIODE ERC24-06S
D551	8-719-911-19	DIODE 1SS119
D552	8-719-911-19	DIODE 1SS119
D553	8-719-924-06	DIODE ERC24-06S
D554	8-719-924-06	DIODE ERC24-06S
D555	8-719-911-19	DIODE 1SS119
D801	8-719-900-26	DIODE ERD29-08J
D802	8-719-300-65	DIODE ES1F
D803	8-719-924-06	DIODE ERC24-06S
D804	8-719-924-06	DIODE ERC24-06S
D805	8-719-931-13	DIODE EQ801-13
D806	8-719-305-15	DIODE GH3F
D807	8-719-305-15	DIODE GH3F
<u>DELAY LINE</u>		
DL 301	1-415-427-11	DELAY LINE, Y
DL 302	1-415-122-31	DELAY LINE, 1H (PAL)
<u>IC</u>		
IC001	8-759-603-67	IC CX523-117P
IC002	8-759-600-92	IC M58657P
IC201	8-759-914-76	IC CX20199
IC202	8-752-006-10	IC CX20061
IC251	8-749-943-62	IC STK-4362
*4-368-684-01		SPRING (L); IC251
IC301	8-759-927-67	IC TDA3562A-N5
IC551	8-759-915-46	IC TDA2579
*4-375-717-01		HEAT SINK, IC; IC551
<u>MODULE</u>		
IC302	1-235-534-11	CONTROL MODULE, PICTURE
<u>COIL</u>		
L001	1-408-425-00	MICRO INDUCTOR 220UH
L251	1-459-407-00	COIL, FERRITE CHOKE
L252	1-459-407-00	COIL, FERRITE CHOKE
L301	1-404-495-00	COIL
L302	1-408-412-00	MICRO INDUCTOR 18UH
L304	1-408-602-21	MICRO INDUCTOR 8.2UH
L306	1-410-260-11	MICRO INDUCTOR 33UH
L307	1-410-261-11	MICRO INDUCTOR 5.6UH
L308	1-408-415-00	MICRO INDUCTOR 33UH
L310	1-407-705-00	MICRO INDUCTOR 100UH

Remark	Ref.No.	Part No.	Description	Remark
	L311	1-408-227-00	MICRO INDUCTOR 470UH	
	L801	1-407-365-00	COIL, CHOKE	
	L802	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
	L803	1-459-224-00	HLC	
	L804	1-421-390-00	COIL, FERRITE (PMC)	
	L805	1-408-239-00	MICRO INDUCTOR 4.7MMH	
	L806	1-421-329-00	COIL, CHOKE	
	L808	1-407-365-00	COIL, CHOKE	
	L809	1-437-090-00	HDT	
	L810	1-407-365-00	COIL, CHOKE	
	L811	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)	
<u>TRANSISTOR</u>				
	Q001	8-729-117-54	TRANSISTOR 2SA1175	
	Q003	8-729-178-54	TRANSISTOR 2SC2785	
	Q004	8-729-178-54	TRANSISTOR 2SC2785	
	Q006	8-729-178-54	TRANSISTOR 2SC2785	
	Q007	8-729-603-50	TRANSISTOR 2SC403SP	
	Q008	8-729-178-54	TRANSISTOR 2SC2785	
	Q009	8-729-178-54	TRANSISTOR 2SC2785	
	Q011	8-729-178-54	TRANSISTOR 2SC2785	
	Q201	8-729-178-54	TRANSISTOR 2SC2785	
	Q206	8-729-178-54	TRANSISTOR 2SC2785	
	Q207	8-729-117-54	TRANSISTOR 2SA1175	
	Q208	8-729-117-54	TRANSISTOR 2SA1175	
	Q301	8-729-178-54	TRANSISTOR 2SC2785	
	Q305	8-729-178-54	TRANSISTOR 2SC2785	
	Q309	8-729-178-54	TRANSISTOR 2SC2785	
	Q310	8-729-178-54	TRANSISTOR 2SC2785	
	Q311	8-729-178-54	TRANSISTOR 2SC2785	
	Q312	8-729-178-54	TRANSISTOR 2SC2785	
	Q313	8-729-178-54	TRANSISTOR 2SC2785	
	Q320	8-729-603-50	TRANSISTOR 2SC403SP	
	Q502	8-729-117-54	TRANSISTOR 2SA1175	
	Q504	8-729-117-54	TRANSISTOR 2SA1175	
	Q505	8-729-168-82	TRANSISTOR 2SC2688-L	
	Q506	8-729-169-02	TRANSISTOR 2SC2690A-Q	
	*4-342-076-00		HEAT SINK, V.OUT; Q506	
	Q507	8-729-122-02	TRANSISTOR 2SA1220A-Q	
	Q508	8-729-195-82	TRANSISTOR 2SC2958	
	Q510	8-729-178-54	TRANSISTOR 2SC2785	
	Q511	8-729-178-54	TRANSISTOR 2SC2785	
	Q512	8-729-900-36	TRANSISTOR DTC124ES	
	Q514	8-729-178-54	TRANSISTOR 2SC2785	
	Q515	8-729-178-54	TRANSISTOR 2SC2785	
	Q551	8-729-177-43	TRANSISTOR 2SD774	
	Q552	8-729-374-02	TRANSISTOR 2SB740	
	Q802	8-729-300-90	TRANSISTOR 2SD1497-06	
		4-365-216-00	SPACER, MICA; Q802	
		*4-368-683-01	SPRING; Q802	
	Q803	8-719-801-06	THYRISTOR S6344G	
		4-365-216-00	SPACER, MICA; Q803	
		*4-368-683-01	SPRING; Q803	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
RESISTOR							
R001	1-249-417-11	CARBON	1K 5% 1/6W	R056	1-247-859-00	CARBON	15K 5% 1/6W
R002	1-249-417-11	CARBON	1K 5% 1/6W	R057	1-249-429-11	CARBON	10K 5% 1/6W
R003	1-249-417-11	CARBON	1K 5% 1/6W	R060	1-249-414-11	CARBON	560 5% 1/6W
R004	1-247-815-00	CARBON	220 5% 1/6W	R061	1-249-433-11	CARBON	22K 5% 1/6W
R005	1-247-815-00	CARBON	220 5% 1/6W	R201	1-247-125-00	CARBON	560 5% 1/4W
R006	1-247-815-00	CARBON	220 5% 1/6W	R202	1-247-125-00	CARBON	560 5% 1/4W
R007	1-247-815-00	CARBON	220 5% 1/6W	R203	1-247-721-11	CARBON	4.7K 5% 1/4W
R008	1-247-815-00	CARBON	220 5% 1/6W	R204	1-247-721-11	CARBON	4.7K 5% 1/4W
R009	1-247-815-00	CARBON	220 5% 1/6W	R205	1-247-153-00	CARBON	8.2K 5% 1/4W
R010	1-247-815-00	CARBON	220 5% 1/6W	R206	1-247-869-00	CARBON	39K 5% 1/6W
R011	1-247-815-00	CARBON	220 5% 1/6W	R207	1-247-719-11	CARBON	3.3K 5% 1/4W
R012	1-247-799-00	CARBON	47 5% 1/6W	R208	1-247-843-00	CARBON	3.3K 5% 1/6W
R013	1-247-815-00	CARBON	220 5% 1/6W	R209	1-249-429-11	CARBON	10K 5% 1/6W
R014	1-249-425-11	CARBON	4.7K 5% 1/6W	R210	1-249-429-11	CARBON	10K 5% 1/6W
R015	1-249-425-11	CARBON	4.7K 5% 1/6W	R211	1-247-135-00	CARBON	1.5K 5% 1/4W
R016	1-247-721-11	CARBON	4.7K 5% 1/4W	R213	1-247-895-00	CARBON	470K 5% 1/6W
R017	1-247-713-11	CARBON	1K 5% 1/4W	R214	1-249-419-11	CARBON	1.5K 5% 1/6W
R018	1-249-417-11	CARBON	1K 5% 1/6W	R216	1-249-429-11	CARBON	10K 5% 1/6W
R020	1-249-437-11	CARBON	47K 5% 1/6W	R217	1-249-417-11	CARBON	1K 5% 1/6W
R021	1-247-859-00	CARBON	15K 5% 1/6W	R218	1-247-887-00	CARBON	220K 5% 1/6W
R022	1-247-859-00	CARBON	15K 5% 1/6W	R219	1-247-887-00	CARBON	220K 5% 1/6W
R023	1-249-405-11	CARBON	100 5% 1/6W	R220	1-247-104-00	CARBON	75 5% 1/4W
R024	1-249-417-11	CARBON	1K 5% 1/6W	R221	1-247-708-11	CARBON	470 5% 1/4W
R025	1-249-433-11	CARBON	22K 5% 1/6W	R222	1-247-873-00	CARBON	56K 5% 1/6W
R026	1-247-859-00	CARBON	15K 5% 1/6W	R228	1-247-873-00	CARBON	56K 5% 1/6W
R027	1-247-708-11	CARBON	470 5% 1/4W	R229	1-247-823-00	CARBON	470 5% 1/6W
R028	1-247-163-00	CARBON	22K 5% 1/4W	R230	1-249-417-11	CARBON	1K 5% 1/6W
R029	1-249-433-11	CARBON	22K 5% 1/6W	R231	1-247-821-00	CARBON	390 5% 1/6W
R030	1-247-163-00	CARBON	22K 5% 1/4W	R232	1-247-688-11	CARBON	10 5% 1/4W
R031	1-247-163-00	CARBON	22K 5% 1/4W	R233	1-247-823-00	CARBON	470 5% 1/6W
R032	1-249-433-11	CARBON	22K 5% 1/6W	R234	1-249-440-11	CARBON	82K 5% 1/6W
R033	1-249-433-11	CARBON	22K 5% 1/6W	R235	1-247-903-00	CARBON	1M 5% 1/6W
R034	1-249-433-11	CARBON	22K 5% 1/6W	R236	1-249-429-11	CARBON	10K 5% 1/6W
R035	1-249-433-11	CARBON	22K 5% 1/6W	R237	1-249-421-11	CARBON	2.2K 5% 1/6W
R037	1-249-417-11	CARBON	1K 5% 1/6W	R238	1-247-837-00	CARBON	1.8K 5% 1/6W
R038	1-249-422-11	CARBON	2.7K 5% 1/6W	R239	1-249-421-11	CARBON	2.2K 5% 1/6W
R039	1-249-405-11	CARBON	100 5% 1/6W	R240	1-249-429-11	CARBON	10K 5% 1/6W
R040	1-249-433-11	CARBON	22K 5% 1/6W	R242	1-249-429-11	CARBON	10K 5% 1/6W
R041	1-249-435-11	CARBON	33K 5% 1/6W	R243	1-249-432-11	CARBON	18K 5% 1/6W
R042	1-247-823-00	CARBON	470 5% 1/6W	R244	1-249-460-11	CARBON	15K 5% 1/4W
R043	1-247-823-00	CARBON	470 5% 1/6W	R245	1-249-437-11	CARBON	47K 5% 1/6W
R044	1-249-417-11	CARBON	1K 5% 1/6W	R247	1-247-137-00	CARBON	1.8K 5% 1/4W
R045	1-247-713-11	CARBON	1K 5% 1/4W	R248	1-247-713-11	CARBON	1K 5% 1/4W
R046	1-249-425-11	CARBON	4.7K 5% 1/6W	R249	1-247-137-00	CARBON	1.8K 5% 1/4W
R047	1-249-405-11	CARBON	100 5% 1/6W	R251	1-247-815-00	CARBON	220 5% 1/6W
R048	1-249-441-11	CARBON	100K 5% 1/6W	R252	1-249-405-11	CARBON	100 5% 1/6W
R049	1-216-464-11	METAL OXIDE	18K 5% 2W	R253	1-249-405-11	CARBON	100 5% 1/6W
R050	1-217-387-00	FUSIBLE	10 5% 1/4W	R254	1-249-405-11	CARBON	100 5% 1/6W
R052	1-247-713-11	CARBON	1K 5% 1/4W	R255	1-247-719-11	CARBON	3.3K 5% 1/4W
R053	1-247-883-00	CARBON	150K 5% 1/6W	R256	1-247-719-11	CARBON	3.3K 5% 1/4W
R054	1-247-815-00	CARBON	220 5% 1/6W	R257	1-247-104-00	CARBON	75 5% 1/4W
				R278	1-217-387-00	FUSIBLE	10 5% 1/4W
				R279	1-217 387 00	FUSIBLE	10 5% 1/4W

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R280	1-249-441-11	CARBON	100K 5% 1/6W	R364	1-249-421-11	CARBON	2.2K 5% 1/6W
R281	1-247-849-00	CARBON	5.6K 5% 1/6W	R365	1-247-857-00	CARBON	12K 5% 1/6W
R282	1-249-425-11	CARBON	4.7K 5% 1/6W	R366	1-247-717-11	CARBON	2.2K 5% 1/4W
R283	1-247-713-11	CARBON	1K 5% 1/4W	R367	1-247-815-00	CARBON	220 5% 1/6W
R284	1-247-107-00	CARBON	100 5% 1/4W F	R368	1-247-815-00	CARBON	220 5% 1/6W
R285	1-249-425-11	CARBON	4.7K 5% 1/6W	R369	1-247-815-00	CARBON	220 5% 1/6W
R286	1-247-849-00	CARBON	5.6K 5% 1/6W	R370	1-247-708-11	CARBON	470 5% 1/4W
R287	1-249-441-11	CARBON	100K 5% 1/6W	R371	1-249-405-11	CARBON	100 5% 1/6W
R288	1-247-881-00	CARBON	120K 5% 1/6W	R373	1-247-713-11	CARBON	1K 5% 1/4W
R289	1-249-437-11	CARBON	47K 5% 1/6W	R376	1-246-507-00	CARBON	27K 5% 1/4W
R297	1-247-823-00	CARBON	470 5% 1/6W	R377	1-246-507-00	CARBON	27K 5% 1/4W
R298	1-247-823-00	CARBON	470 5% 1/6W	R378	1-249-432-11	CARBON	18K 5% 1/6W
R301	1-247-135-00	CARBON	1.5K 5% 1/4W	R379	1-247-864-00	CARBON	24K 5% 1/6W
R302	1-249-419-11	CARBON	1.5K 5% 1/6W	R380	1-249-440-11	CARBON	82K 5% 1/6W
R303	1-247-816-00	CARBON	240 5% 1/6W	R381	1-249-417-11	CARBON	1K 5% 1/6W
R304	1-249-429-11	CARBON	10K 5% 1/6W	R382	1-249-417-11	CARBON	1K 5% 1/6W
R305	1-247-823-00	CARBON	470 5% 1/6W	R383	1-249-417-11	CARBON	1K 5% 1/6W
R306	1-247-823-00	CARBON	470 5% 1/6W	R385	1-249-422-11	CARBON	2.7K 5% 1/6W
R307	1-249-415-11	CARBON	680 5% 1/6W	R386	1-249-422-11	CARBON	2.7K 5% 1/6W
R308	1-249-425-11	CARBON	4.7K 5% 1/6W	R387	1-249-422-11	CARBON	2.7K 5% 1/6W
R319	1-247-713-11	CARBON	1K 5% 1/4W	R390	1-247-161-00	CARBON	18K 5% 1/4W
R323	1-247-837-00	CARBON	1.8K 5% 1/6W	R504	1-249-422-11	CARBON	2.7K 5% 1/6W
R324	1-249-414-11	CARBON	560 5% 1/6W	R505	1-247-843-00	CARBON	3.3K 5% 1/6W
R325	1-247-707-11	CARBON	390 5% 1/4W	R506	1-247-833-00	CARBON	1.2K 5% 1/6W
R326	1-249-440-11	CARBON	82K 5% 1/6W	R507	1-249-417-11	CARBON	1K 5% 1/6W
R332	1-249-414-11	CARBON	560 5% 1/6W	R508	1-215-461-00	METAL	47K 1% 1/6W
R333	1-247-849-00	CARBON	5.6K 5% 1/6W	R509	1-215-477-00	METAL	220K 1% 1/6W
R334	1-247-151-00	CARBON	6.8K 5% 1/4W	R510	1-247-851-00	CARBON	6.8K 5% 1/6W
R335	1-249-437-11	CARBON	47K 5% 1/6W	R511	1-247-805-00	CARBON	82 5% 1/6W
R336	1-249-429-11	CARBON	10K 5% 1/6W	R512	1-247-829-00	CARBON	820 5% 1/6W
R337	1-249-429-11	CARBON	10K 5% 1/6W	R513	1-247-857-00	CARBON	12K 5% 1/6W
R338	1-249-417-11	CARBON	1K 5% 1/6W	R514	1-249-417-11	CARBON	1K 5% 1/6W
R339	1-249-417-11	CARBON	1K 5% 1/6W	R515	1-247-700-11	CARBON	100 5% 1/4W
R340	1-247-821-00	CARBON	390 5% 1/6W	R516	1-247-717-11	CARBON	2.2K 5% 1/4W
R341	1-247-821-00	CARBON	390 5% 1/6W	R517	1-246-511-00	CARBON	39K 5% 1/4W
R342	1-247-903-00	CARBON	1M 5% 1/6W	R520	1-214-765-00	METAL	33K 1% 1/4W
R343	1-249-441-11	CARBON	100K 5% 1/6W	R521	1-216-464-11	METAL OXIDE	18K 5% 2W F
R344	1-247-149-00	CARBON	5.6K 5% 1/4W	R522	1-247-901-00	CARBON	820K 5% 1/6W
R345	1-247-882-00	CARBON	130K 5% 1/6W	R523	1-247-807-00	CARBON	100 5% 1/8W F
R347	1-249-414-11	CARBON	560 5% 1/6W	R524	1-215-869-11	METAL OXIDE	1K 5% 1W F
R348	1-249-415-11	CARBON	680 5% 1/6W	R525	1-247-795-00	CARBON	33 5% 1/8W F
R349	1-247-849-00	CARBON	5.6K 5% 1/6W	R526	1-249-421-11	CARBON	2.2K 5% 1/6W
R350	1-247-853-00	CARBON	8.2K 5% 1/6W	R527	1-247-783-00	CARBON	10 5% 1/8W F
R351	1-249-433-11	CARBON	22K 5% 1/6W	R528	1-247-161-00	CARBON	18K 5% 1/4W
R352	1-247-837-00	CARBON	1.8K 5% 1/6W	R529	1-247-711-11	CARBON	680 5% 1/4W
R353	1-247-843-00	CARBON	3.3K 5% 1/6W	R530	1-247-892-00	CARBON	360K 5% 1/6W
R354	1-247-883-00	CARBON	150K 5% 1/6W	R531	1-247-707-11	CARBON	390 5% 1/4W
R356	1-247-857-00	CARBON	12K 5% 1/6W	R532	1-247-719-11	CARBON	3.3K 5% 1/4W
R357	1-247-849-00	CARBON	5.6K 5% 1/6W	R533	1-247-859-00	CARBON	15K 5% 1/6W
R358	1-249-432-11	CARBON	18K 5% 1/6W	R534	1-247-787-00	CARBON	15 5% 1/6W
R359	1-247-859-00	CARBON	15K 5% 1/6W	R535	1-247-783-00	CARBON	10 5% 1/6W
R360	1-246-517-00	CARBON	68K 5% 1/4W	R536	1-216-354-11	METAL OXIDE	2.7 5% 1W F
R362	1-247-717-11	CARBON	2.2K 5% 1/4W	R537	1-249-441-11	CARBON	100K 5% 1/6W

D J1

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R538	1-247-753-11	CARBON	1.2K 5% 1/2W F	R826	1-207-678-00	WIREWOUND 10 10% 5W F	
R539	1-249-440-11	CARBON	82K 5% 1/6W			<u>VARIABLE RESISTOR</u>	
R540	1-246-507-00	CARBON	27K 5% 1/4W	RV301	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
R541	1-247-823-00	CARBON	470 5% 1/6W	RV302	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
R542	1-216-435-11	METAL OXIDE	2.7K 5% 1W F	RV303	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
R543	1-202-467-92	SOLID	3.3M 10% 1/4W	RV501	1-226-776-00	RES, ADJ, METAL GLAZE 220K	
R544	1-202-467-92	SOLID	3.3M 10% 1/4W	RV502	1-226-775-00	RES, ADJ, METAL GLAZE 100K	
R547	1-212-990-00	FUSIBLE	220 5% 1/2W F	RV503	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K	
R548	1-216-350-11	METAL OXIDE	1.2 5% 1W F	RV558	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
R549	1-247-807-00	CARBON	100 5% 1/8W F			<u>SPARK GAP</u>	
R550	1-246-537-00	CARBON	470K 5% 1/4W	SG801	1-519-063-XX	DISCHARGING GAP	
R551	1-217-383-00	FUSIBLE	4.7 5% 1/4W F			<u>TRANSFORMER</u>	
R552	1-217-383-00	FUSIBLE	4.7 5% 1/4W F	T301	1-426-121-00	DAT	
R553	1-210-859-00	CARBON	1.2 5% 1/8W F	T801	1-437-090-11	WDT	
R554	1-249-425-11	CARBON	4.7K 5% 1/6W	T802	1-439-332-42	TRANSFORMER ASSY, FLYBACK	
R555	1-249-421-11	CARBON	2.2K 5% 1/6W	T803	1-413-059-00	TRANSFORMER, FERRITE (DFT)	
R556	1-216-350-11	METAL OXIDE	1.2 5% 1W F			<u>THERMISTOR</u>	
R557	1-247-819-00	CARBON	330 5% 1/6W	TH501	1-806-213-00	THERMISTOR	
R558	1-247-883-00	CARBON	150K 5% 1/6W			<u>CRYSTAL</u>	
R559	1-247-719-11	CARBON	3.3K 5% 1/4W	X301	1-527-789-00	VIBRATOR, CRYSTAL	
R560	1-249-421-11	CARBON	2.2K 5% 1/6W			*****	
R571	1-247-895-00	CARBON	470K 5% 1/6W			*1-618-883-11 J1 BOARD	
R572	1-249-441-11	CARBON	100K 5% 1/6W			*****	
R573	1-247-903-00	CARBON	1M 5% 1/6W			<u>JACK</u>	
R574	1-247-903-00	CARBON	1M 5% 1/6W	CN901	1-507-657-00	JACK (LARGE TYPE)	
R575	1-247-177-00	CARBON	82K 5% 1/4W			<u>CONNECTOR</u>	
R578	1-247-704-11	CARBON	220 5% 1/4W	J1	*1-564-883-11	PLUG, CONNECTOR 6P	
R593	1-249-425-11	CARBON	4.7K 5% 1/6W			<u>RESISTOR</u>	
R594	1-249-433-11	CARBON	22K 5% 1/6W	R901	1-247-708-11	CARBON 470 5% 1/4W	
R595	1-247-859-00	CARBON	15K 5% 1/6W	R902	1-247-708-11	CARBON 470 5% 1/4W	
R596	1-247-843-00	CARBON	3.3K 5% 1/6W			*****	
R597	1-247-719-11	CARBON	3.3K 5% 1/4W			<u>MISCELLANEOUS</u>	
R598	1-247-849-00	CARBON	5.6K 5% 1/6W			*****	
R599	1-247-815-00	CARBON	220 5% 1/6W			Δ.1-451-255-31 DEFLECTION YOKE (SY-164)	
R800	1-215-886-11	METAL OXIDE	100 5% 2W F			1-452-032-00 MAGNET, DISK; 10MM φ	
R801	1-216-345-11	METAL OXIDE	0.47 5% 1W F			1-452-094-00 MAGNET, ROTATABLE DISK; 15MM φ	
R802	1-247-137-00	CARBON	1.8K 5% 1/4W			1-452-146-21 MAGNET, BMC	
R803	1-247-803-00	CARBON	68 5% 1/6W			Δ.1-452-391-21 NECK ASSY, CRT (NA305)	
R804	1-215-871-11	METAL OXIDE	2.2K 5% 1W F			Δ.1-536-817-31 TERMINAL BOARD ASSY, ANTENNA	
R805	1-215-866-11	METAL OXIDE	330 5% 1W F			Δ.1-551-270-11 CORD, POWER	
R806	1-202-838-00	SOLID	100K 10% 1/2W				
R807	1-202-824-00	SOLID	3.3K 10% 1/2W				
R808	1-202-826-00	SOLID	4.7K 10% 1/2W				
R809	1-244-925-00	CARBON	150K 5% 1/2W				
R810	1-210-859-00	CARBON	1.2 5% 1/8W F				
R811	1-249-448-11	CARBON	1.2 5% 1/4W F				
R812	1-247-270-00	CARBON	18K 5% 1/2W				
R813	1-215-883-11	METAL OXIDE	33 5% 2W F				
R814	1-246-537-00	CARBON	470K 5% 1/4W				
R817	1-216-379-11	METAL OXIDE	6.8 5% 2W F				
R820	1-215-884-11	METAL OXIDE	47 5% 2W F				
R821	1-215-870-11	METAL OXIDE	1.5K 5% 1W F				
R825	1-207-678-00	WIREWOUND	10 10% 5W F				

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
L901	▲.1-426-278-11	COIL, DEMAGNETIZATION	
RV901	▲.1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
RV902	▲.1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
S901	▲.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
V901	▲.8-736-653-05	CRT (A64JK360X)	

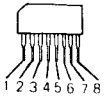
ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
A-1470-758-A	COMMANDER ASSY (RM-635)	
X-4362-211-0	CASE (UPPER) ASSY, COMMANDER	
4-356-741-00	SCREW, TAPPING (BIND 2X5)	
4-361-943-00	PANEL, FRONT, COMMANDER	
4-361-944-21	SHEET, SILICON RUBBER	
4-361-945-00	COVER, BATTERY	
4-361-948-00	CASE (LOWER), COMMANDER	
4-361-988-02	BAG, PROTECTION	
4-363-613-00	CUSHION (UPPER) (ASSY)	
4-369-747-03	INDIVIDUAL CARTON	
4-369-749-01	CUSHION (LOWER)	
4-482-245-41	MANUAL, INSTRUCTION	

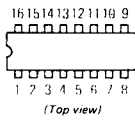
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

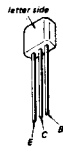
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CX20106
CX20106A



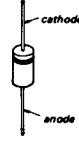
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TDA3541



2SA1175
2SC2785



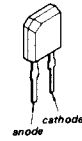
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11E2
ES1F
GP08B
RGP10G



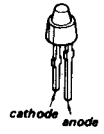
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1T261



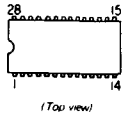
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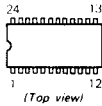
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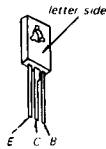
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TDA3590A-N8

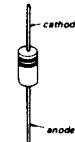


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2SC2688



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1S2076
1S2473
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EQA02-07DV3
EQA02-11CV3
EQA02-12BV3
ERD28-06S
ERD28-08
HZ12EB2
HZ13EB2TD
HZ30EB4
HZ5.6EB2
HZ7.5EB2
ITT600
RD10EL1
RD10EL2
RD12EB2
RD13EB2
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RD6.2EN2
RD6.8EN3
RD7.5EB2

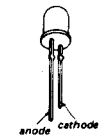
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SIB01-02



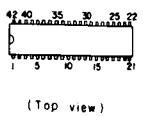
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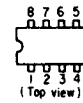
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CX523-117P



μPC4558C



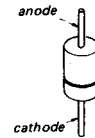
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2SC3504
2SD788
2SD789



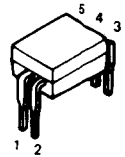
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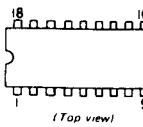
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TLP581



M50119P
TDA2546A
TDA2579



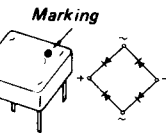
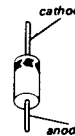
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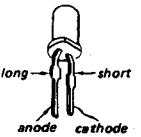
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2SD773
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ERD29-08J



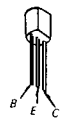
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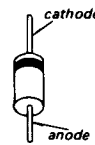
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2SC403SP
DTC124ES
DTC144ES



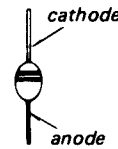
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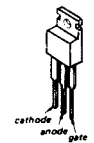
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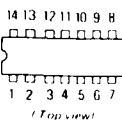
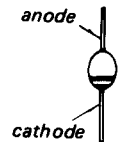
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U05G



S6344G



V19C
V19E

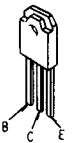


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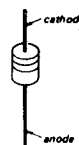
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2SC2551
2SC945
JA101
JC501



2SD1497
2SD1497-06



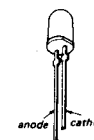
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1SS133
1SS148
RD5.6ES



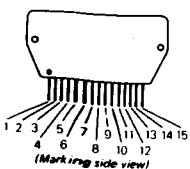
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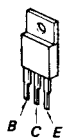
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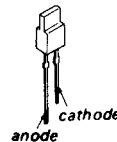
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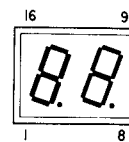
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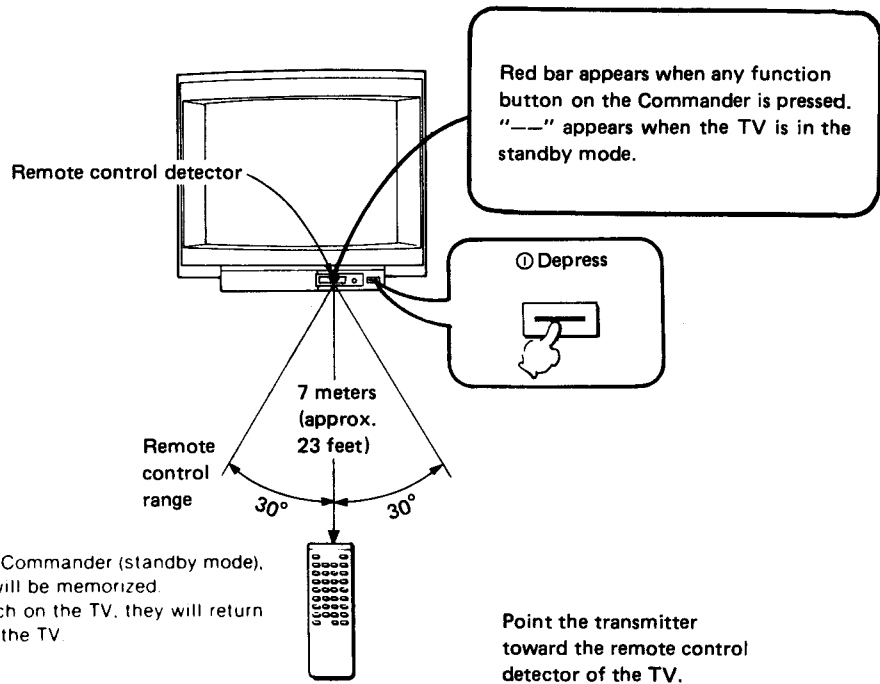


SL-1274



SECTION 6 REMOTE COMMANDER

6-1. REMOTE TV OPERATION



If the TV is turned off with the Remote Commander (standby mode), the picture, color and sound settings will be memorized.
If the TV is turned off with the $\text{\textcircled{O}}$ switch on the TV, they will return to the levels fixed with the controls of the TV.

FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

Each button has different functions for normal TV, teletext and VTR operations.

Functions for operating the TV are indicated in **white or black**.

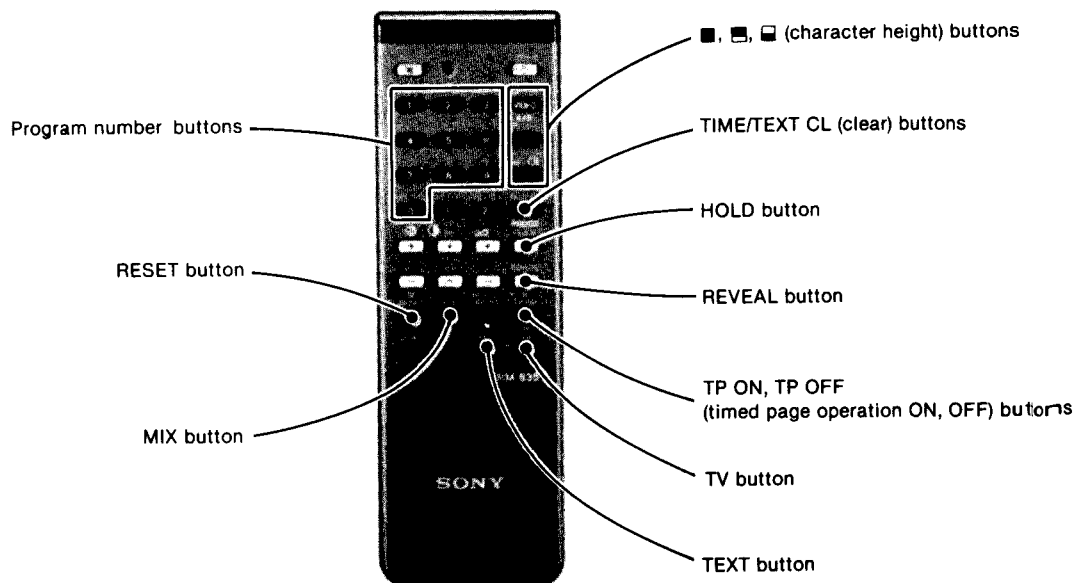
Functions for operating the video tape recorder* are indicated in **brown**.

Functions for teletext operation using the optional **OPK-303** teletext adaptor are indicated in **green**.

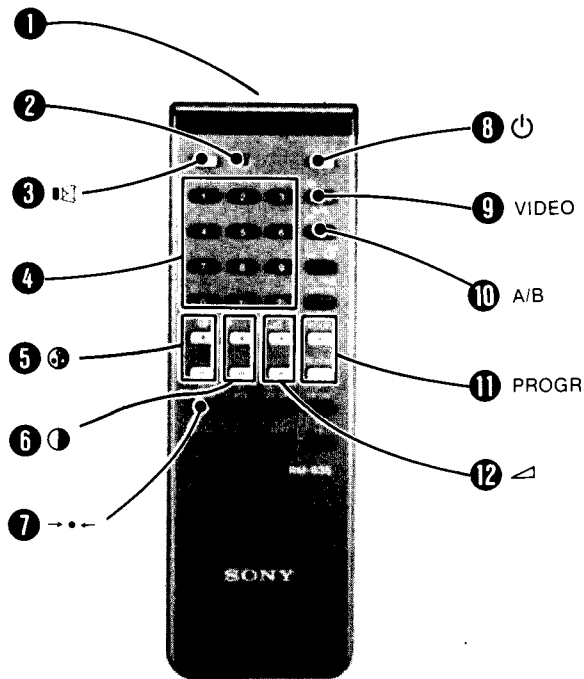
* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.

Buttons used for teletext operations

The following functions are for operating the TV as a teletext display by installing the optional Sony **OPK-303** teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.



Buttons used for normal TV operation



1 Transmitter

Point towards the remote control detector.

2 Pilot lamp

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

3 (sound mute) button

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

4 Program number buttons

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button.

For programs 10 through 19, press the **1-** button (the tens-digit "1" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example:

for program 10, press **1-** and **0** .
for program 11, press **1-** and **1** .

For programs 20 to 29, press the **2-** button and then the single-digit button.

For program 30, press the **0** button.

Note: If you do not press a single-digit button within several seconds after pressing the **1-** or **2-** button, the previous program setting will be automatically recalled.

5 (color) buttons

Adjust the color intensity. Press the + button to increase it, or the - button to decrease it.

6 (picture) buttons

Press the + button to increase the picture contrast, or the - button to decrease it.

7 (normal) button

Press this button once instantly returns the color and contrast settings made with the **5** and **6** buttons on the Commander to the factory preset levels.

8 (standby) switch

Turns the TV in standby mode. Program indicator will show "----". To turn on the TV from the standby mode, press a program number button or **7** button on the Commander.

9 VIDEO button

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

10 A/B button

This button is not usable for this TV.

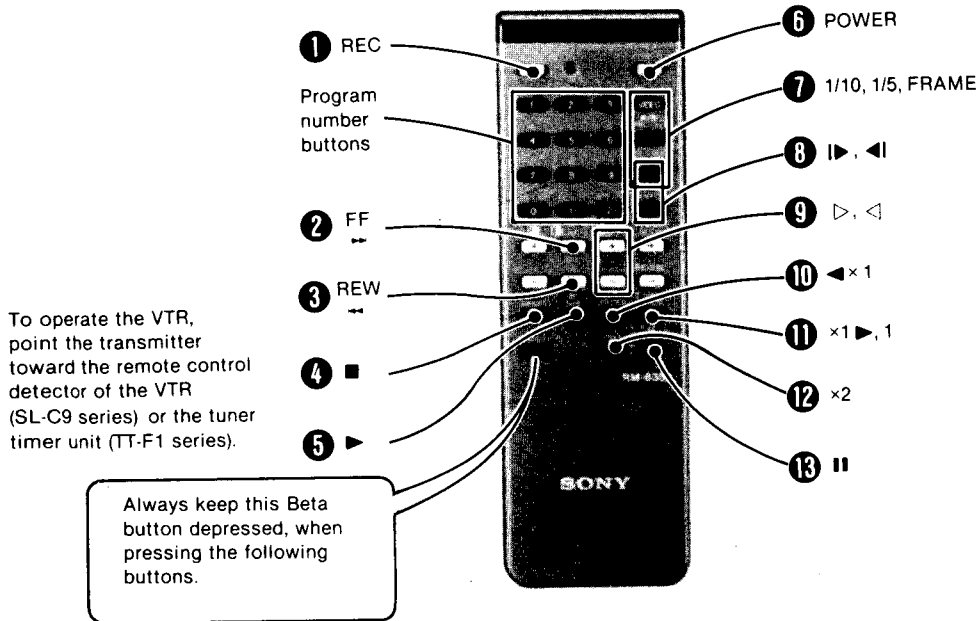
11 PROGR (program) buttons

Function the same as the PROGR buttons on the TV.

12 (volume) buttons

Press the + button to increase the volume, or the - button to decrease it.

Buttons used for VTR operations



Buttons which have the same functions for both SL-C9 series and SL-F1E

- 1 REC (record) button**
Press to start recording.
- 2 FF (fast-forward) button**
Press to advance the tape rapidly. This button is also used for the forward picture-search operation.
- 3 REW (rewind) button**
Press to rewind the tape. This button is also used for the reverse picture-search operation.
- 4 ■ (stop) button**
Press to stop the tape.
- 5 ► (play) button**
Press to play the tape back.
- 6 POWER switch**
Press to turn the video tape recorder (and the tuner timer unit) on or off.
- 12 x2 (double-speed) button**
Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.
- 13 || (pause) button**
Functions the same as the || PAUSE button on the SL-C9 series and the PAUSE button on the SL-F1E. To release the pause mode, press this button again.

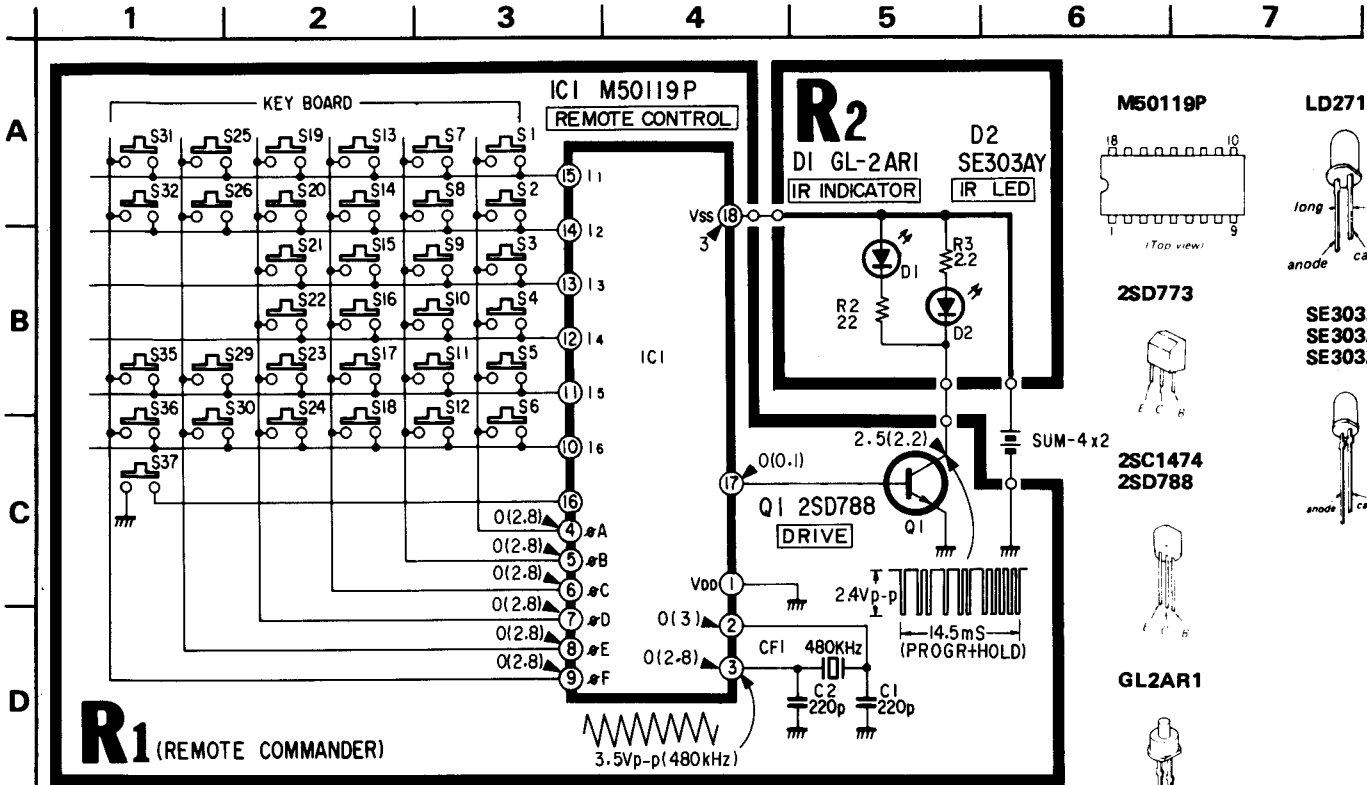
Buttons used for the SL-C9 series

- 7 Speed control buttons (1/10, 1/5, FRAME)**
Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.
- 8 ► (forward) and ◀ (reverse) buttons**
Select the direction of the speed control playback. Function the same as the ► and ◀ buttons of the SPEED CONTROL buttons on the recorder.
- 10 1 (normal speed) button**
Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

Buttons used for the SL-F1E

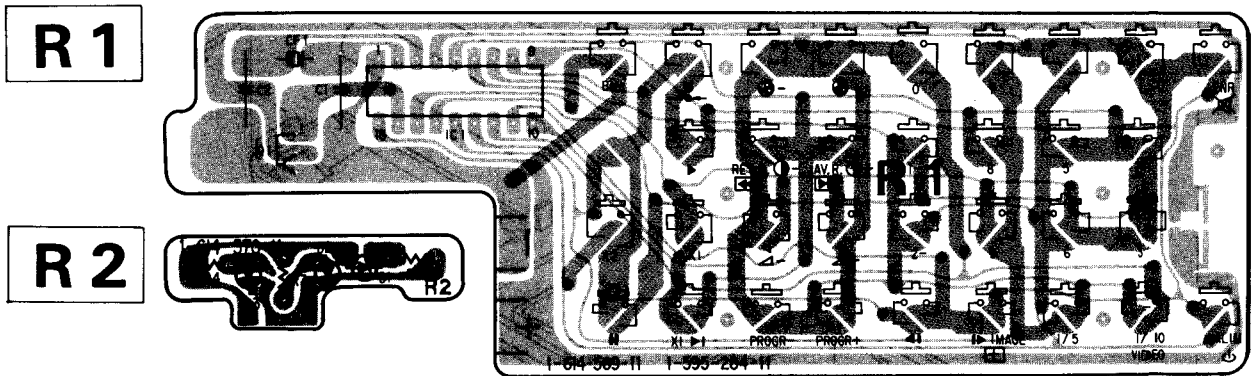
- 8 |► (forward slow motion) and ◀| (reverse slow motion) buttons**
Function the same as the |► and ◀| SWING SEARCH buttons on the SL-F1E.
- 10 ◀ x1 (reverse) button and 11 x1 ► (forward) button**
Function the same as the ◀ and ► SWING SEARCH buttons on the SL-F1E.

6-2. DIAGRAMS



KEY MATRIX

	#A	#B	#C	#D	#E	#F
11	S1 1	S7 2	S13 3	S19 1-	S25 II	S31
12	S2 4	S8 5	S14 6	S20 2-	S26 X2	S32
13	S3 7	S9 8	S15 9	S21 VIDEO I/O	S27	S33
14	S4 0	S10 X1	S16 X1	S22 1/5	S28	S34
15	S5 +	S11 +	S17 +	S23 PROGR +	S29	S35 FRAME
16	S6 -	S12 -	S18 -	S24 PROGR -	S30	S36
						S37 Beta



Note:

- All capacitors are in μF unless otherwise noted. p : μpF
- 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
- $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Reading are taken with a $10\text{ M}\Omega$ digital multimeter.

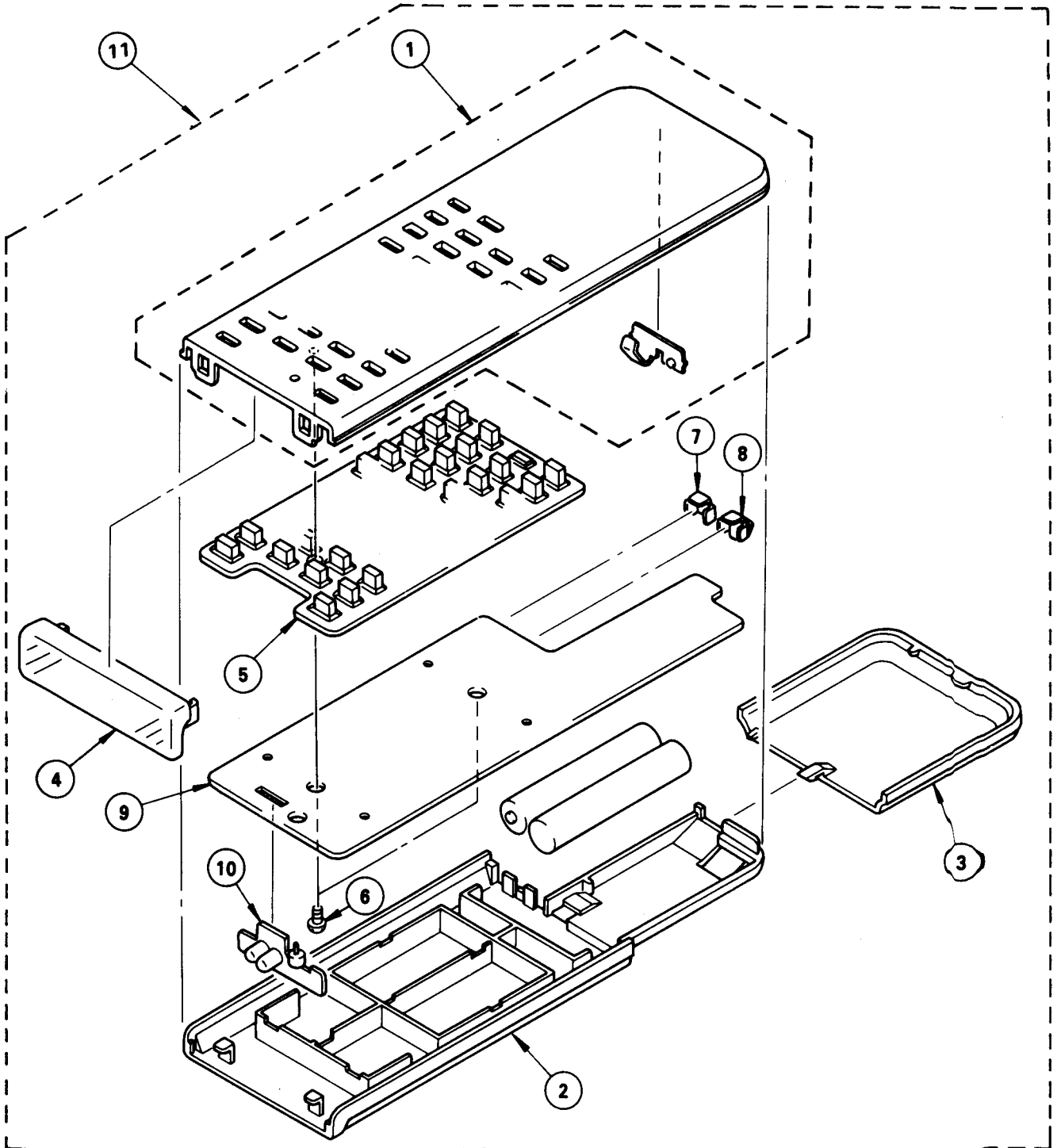
- Voltages and waveform are for when **1** button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.

6-3. EXPLODED VIEW

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4362-211-0	CASE (UPPER) ASSY, COMMANDER		6	4-356-741-00	SCREW, TAPPING (BIND 2X5)	
2	4-361-948-00	CASE (LOWER), COMMANDER		7	4-348-542-00	TERMINAL (A), BATTERY	
3	4-361-945-00	COVER, BATTERY		8	4-348-543-00	TERMINAL (B), BATTERY	
4	4-361-943-00	PANEL, FRONT, COMMANDER		9	*:1-614-569-11	R1 BOARD	
5	4-361-944-21	SHEET, SILICON RUBBER		10	*:1-614-570-11	R2 BOARD	
				11	A-1470-758-A	COMMANDER ASSY (RM-635)	1-10

R1 **R2**

6-4. ELECTRICAL PARTS LIST

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

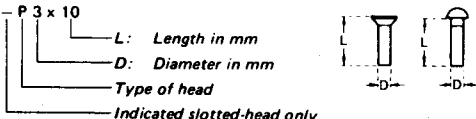
- CAPACITORS
 • MF : μ F, PF : μ μ F
 RESISTORS
 • All resistors are in ohms
 • F : nonflammable

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>		
	*1-614-569-11	R1 BOARD *****			
	4-348-542-00	TERMINAL (A), BATTERY			
	4-348-543-00	TERMINAL (B), BATTERY			
		<u>CAPACITOR</u>			
C01	1-161-315-00	CERAMIC	220PF	10%	50V
C02	1-161-315-00	CERAMIC	220PF	10%	50V
		<u>FILTER</u>			
CF01	1-527-476-00	OSCILLATOR, CERAMIC			
		<u>IC</u>			
IC01	8-759-600-07	IC M50119P			
		<u>TRANSISTOR</u>			
Q01	8-729-378-84	TRANSISTOR 2SD788			

	*1-614-570-11	R2 BOARD *****			
		<u>DIODE</u>			
LED01	8-719-900-23	DIODE GL-2A1			
LED02	8-719-107-82	DIODE SE303AY			
		<u>RESISTOR</u>			
R02	1-247-791-00	CARBON	22	5%	1/6W
R03	1-247-767-00	CARBON	2.2	5%	1/6W

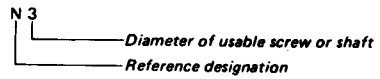
HARDWARE NOMENCLATURE

Screw:



Unless otherwise indicated, it means cross-recessed head (Phillips type).

Nut, Washer, Retaining ring:




Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	


Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	








SONY TRINITRON® COLOR TV KV-27EXD/27EXTD RM-635 AEP Model

KV-27EXD
Chassis No. SCC-774A-A
KV-27EXTD
Chassis No. SCC-774C-A
RX-2 CHASSIS

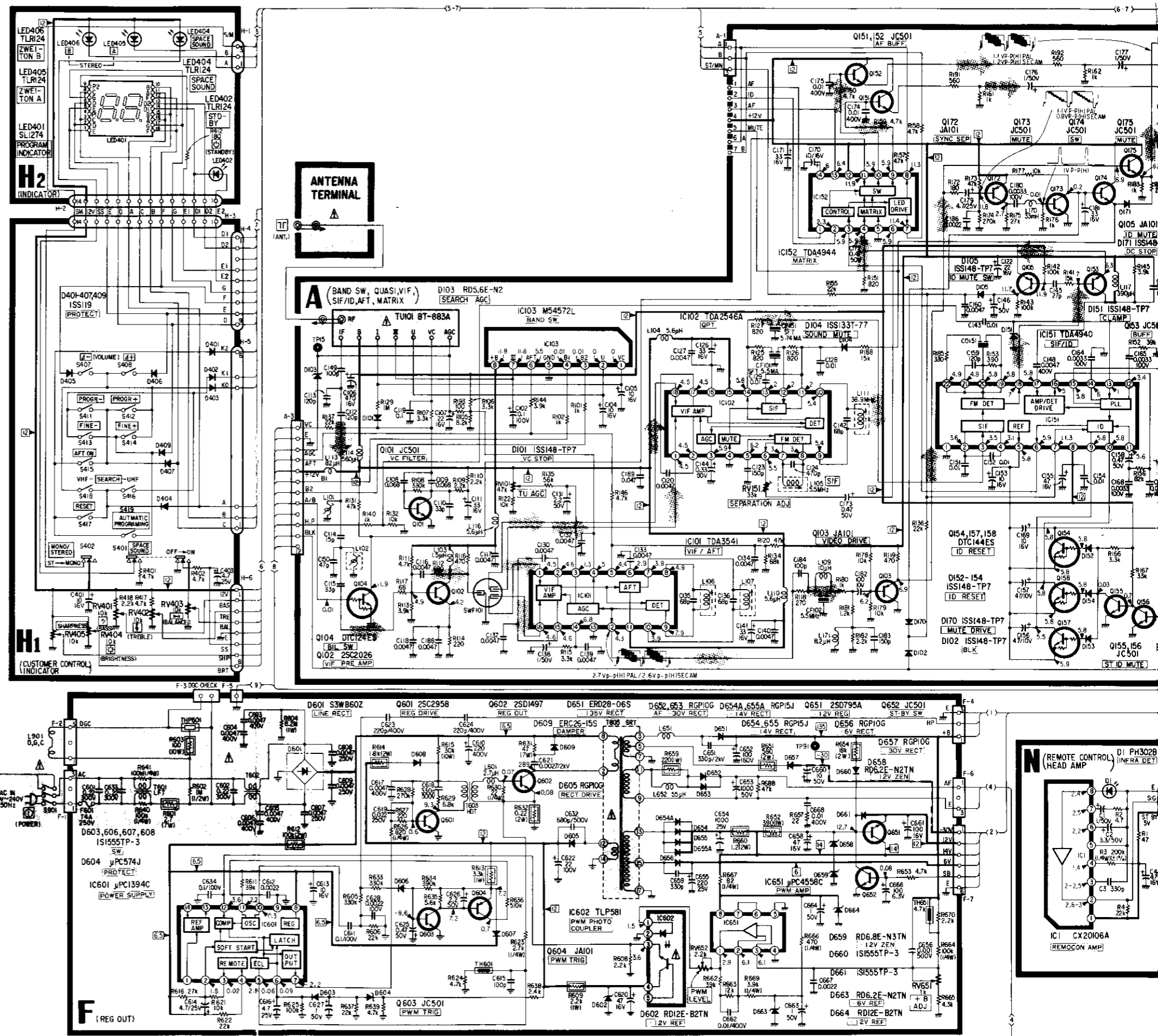
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

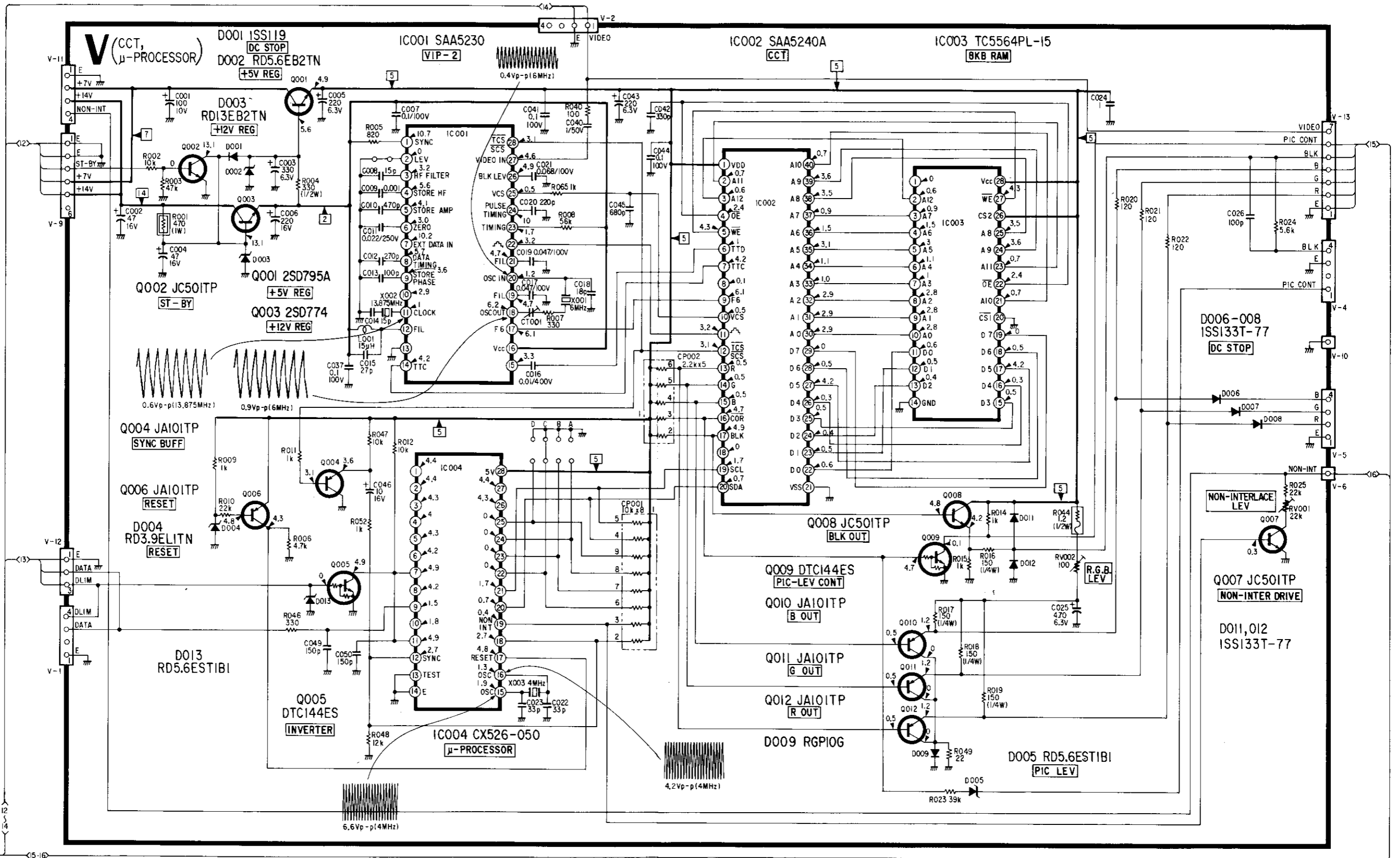
- All capacitors are in μF unless otherwise noted. p: μF . 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. k Ω = 1000 Ω , M Ω = 1000k Ω
-  : nonflamable resistor.
-  : fusible resistor
-  : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
-  : B + bus.
-  : B - bus.
-  : signal path.

SCHEMATIC DIAGRAM

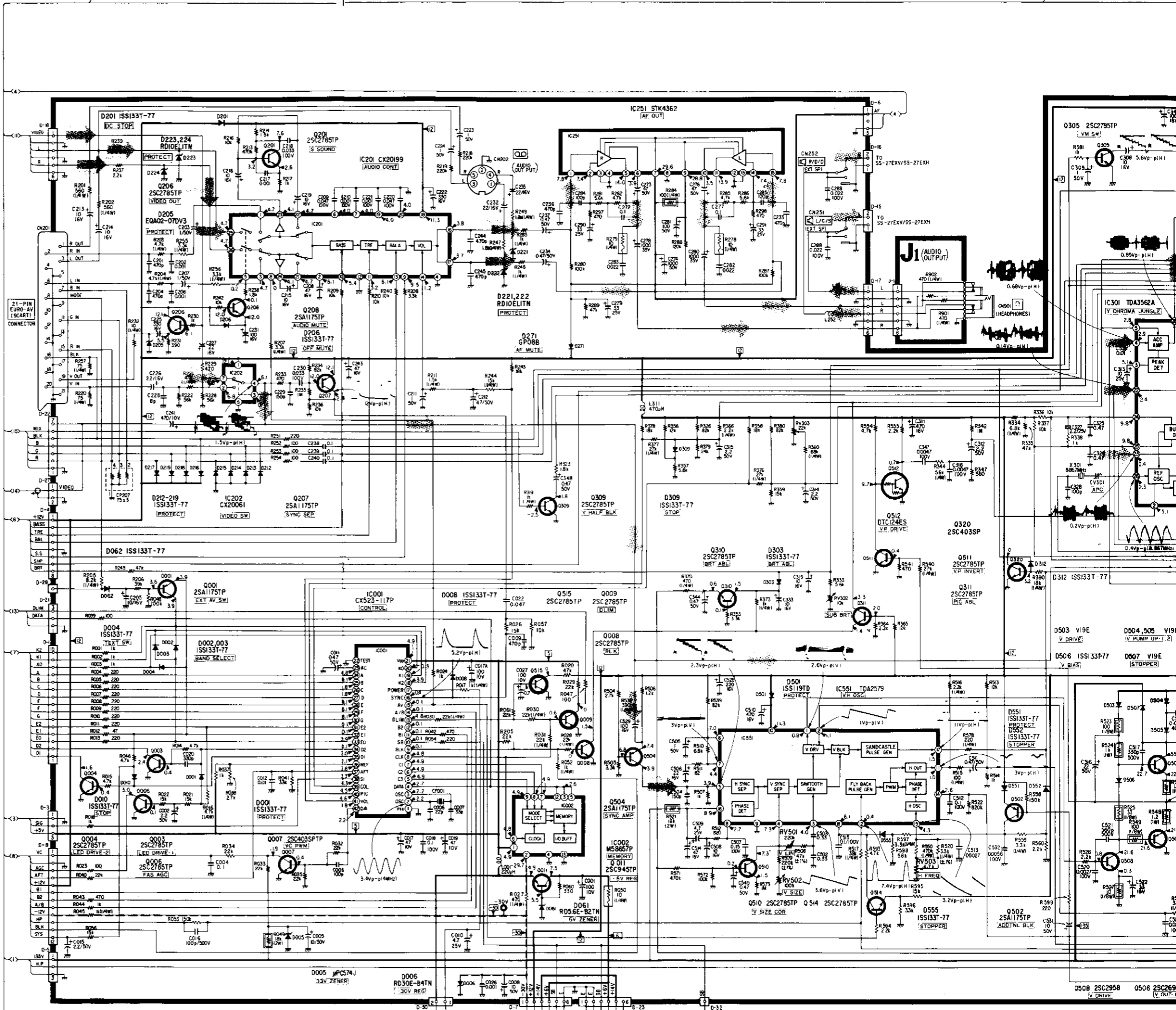
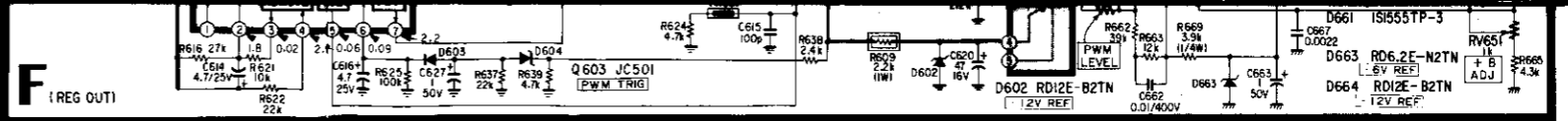


(KV-27EXD/27EXTD/RM-635)

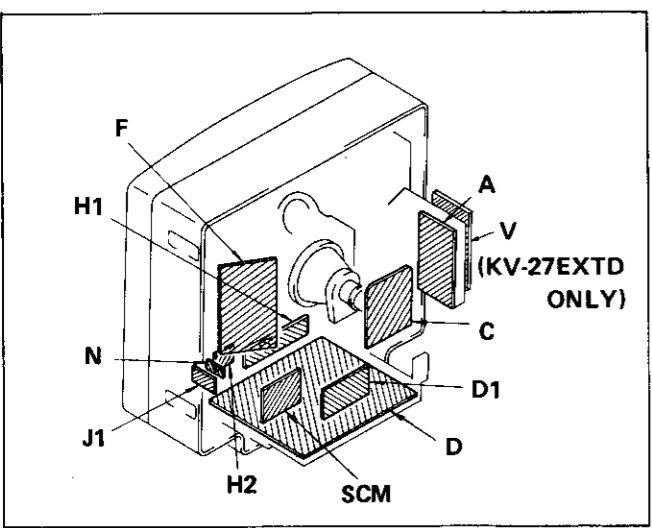
KV-27EXTD ONLY



→ signal path.



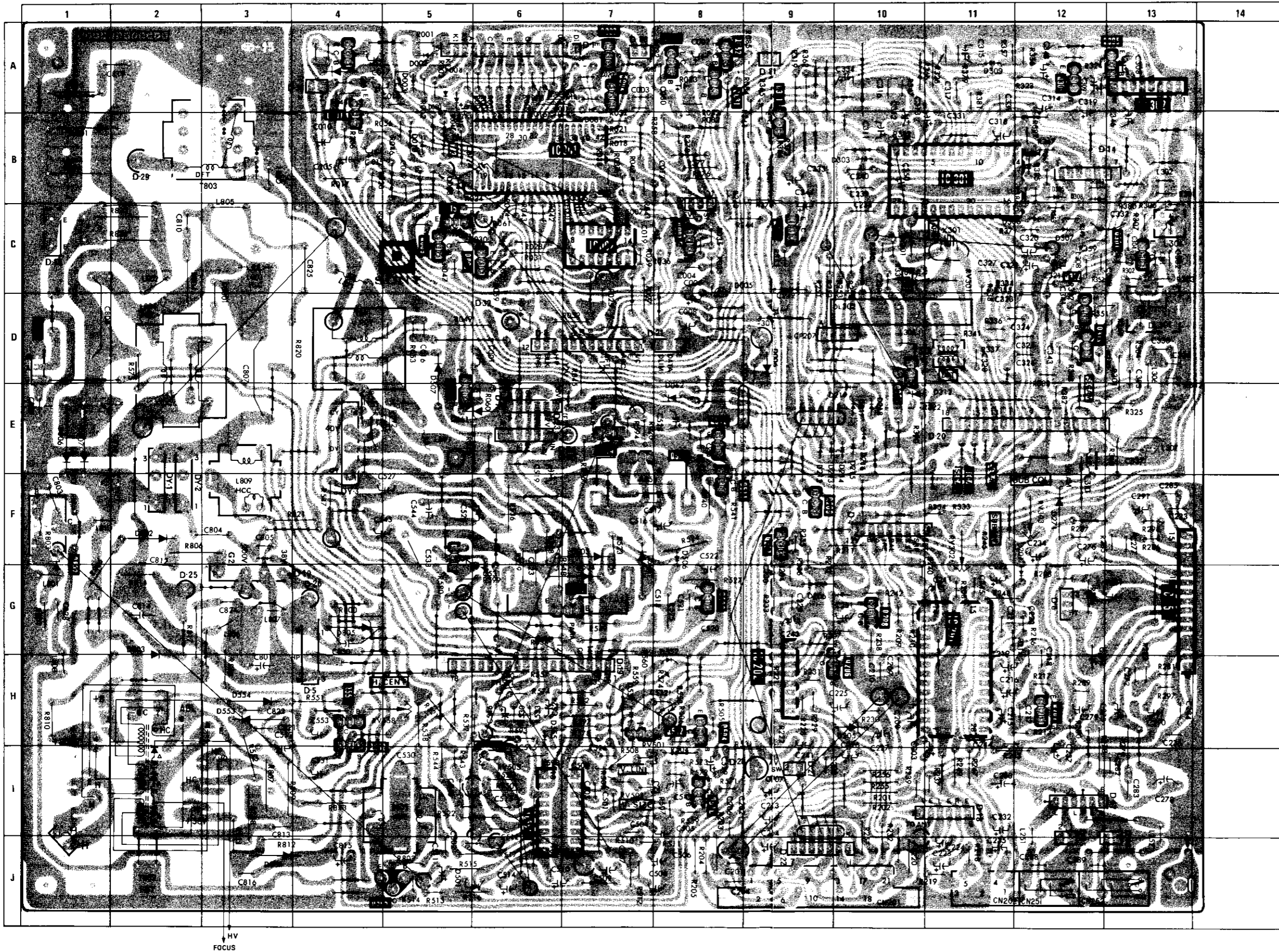
CIRCUIT BOARDS LOCATION



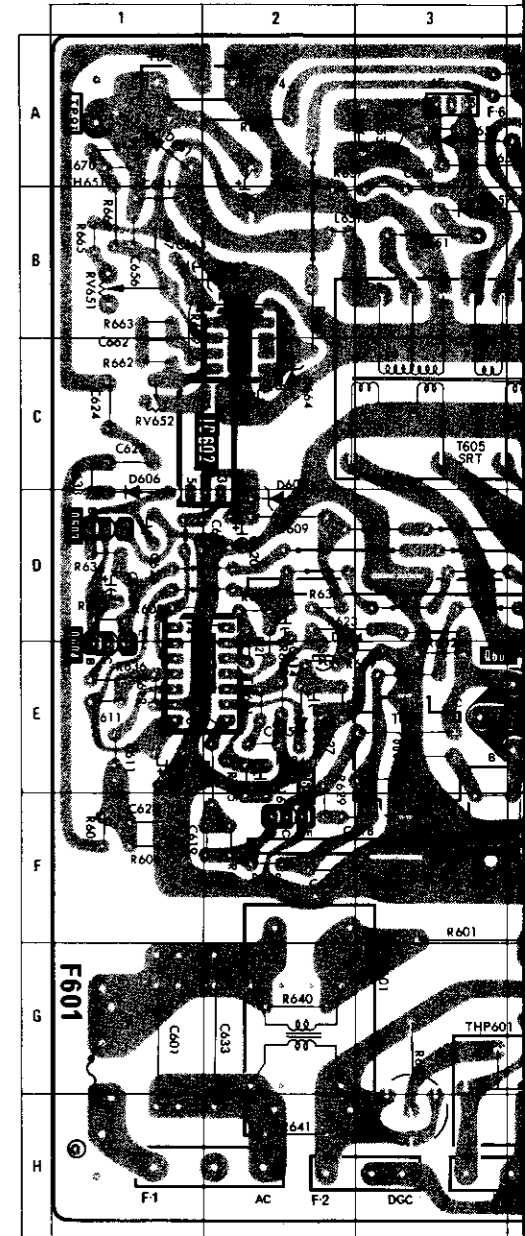
MOUNTING DIAGRAMS

Note: All mounting diagrams are viewed from conductor side.

D POWER CONTROL, CHROMA PROCESS, AUDIO CONTROL, MEMORY



F [REG OUT]

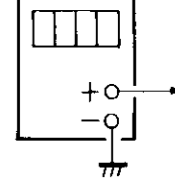


CIRCUIT ADJUSTMENTS

PWM LEVEL RV652 = C-1

- Adjust RV652 so that the digital multimeter (B) reads $+3.0V \pm 0.1Vdc$.

digital multimeter (B)



CIRCUIT ADJUSTMENT

SUB COLOR ADJUSTMENT RV303 = F-12

SUB BRIGHT RV302 = F-11

1. Receive a color bar signal.

1. Receive a dot signal.

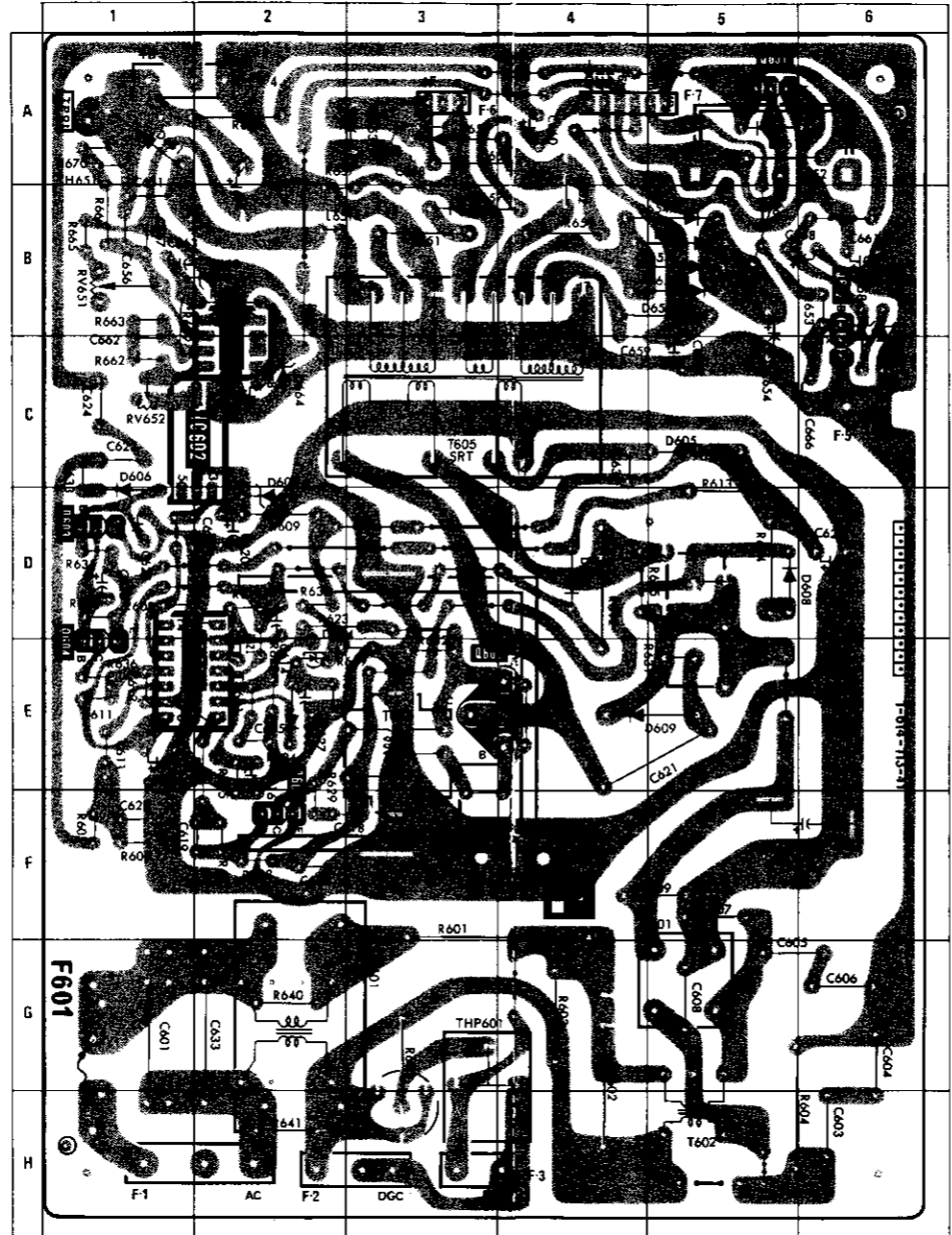
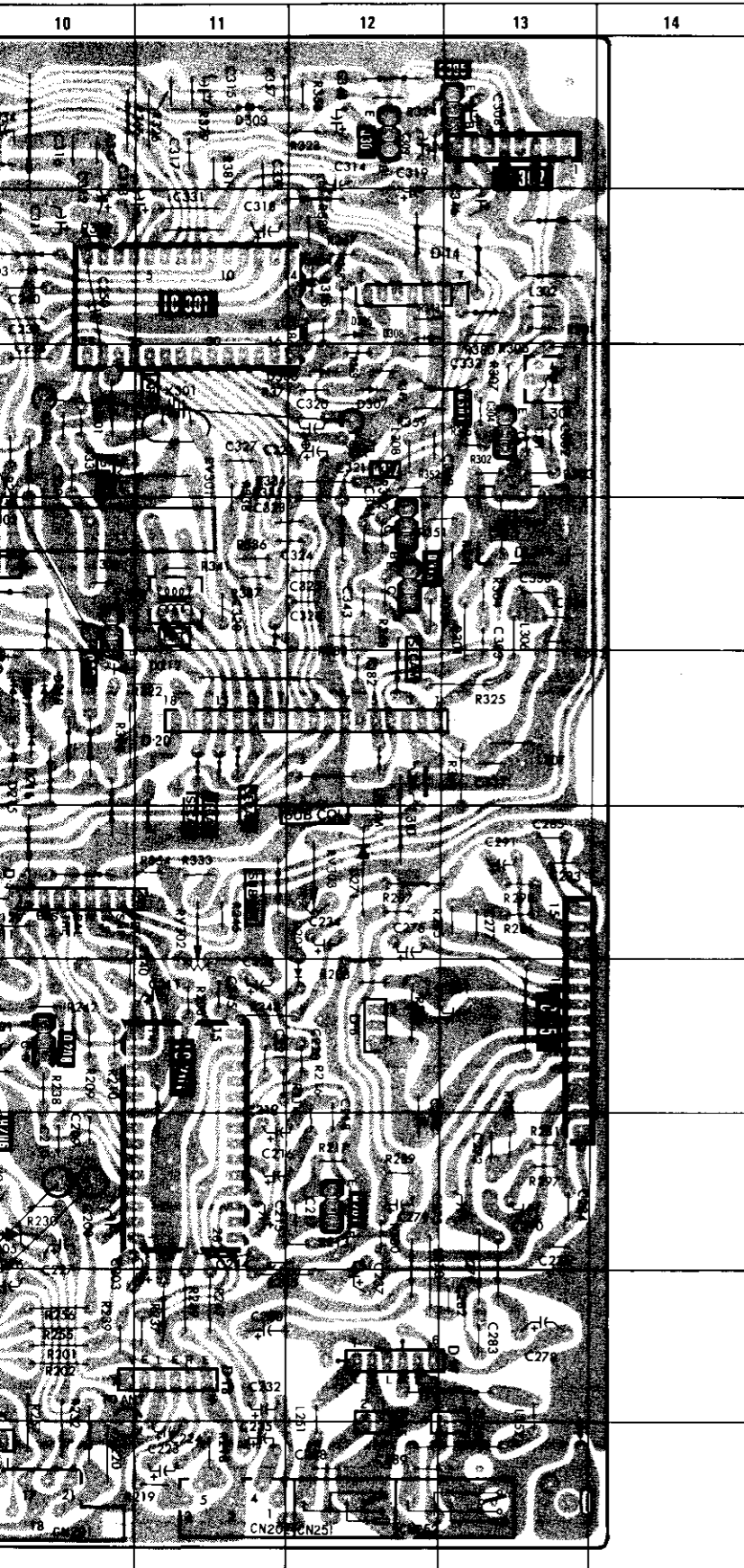
SCM

SCM-KILLER, PAL-SECAM

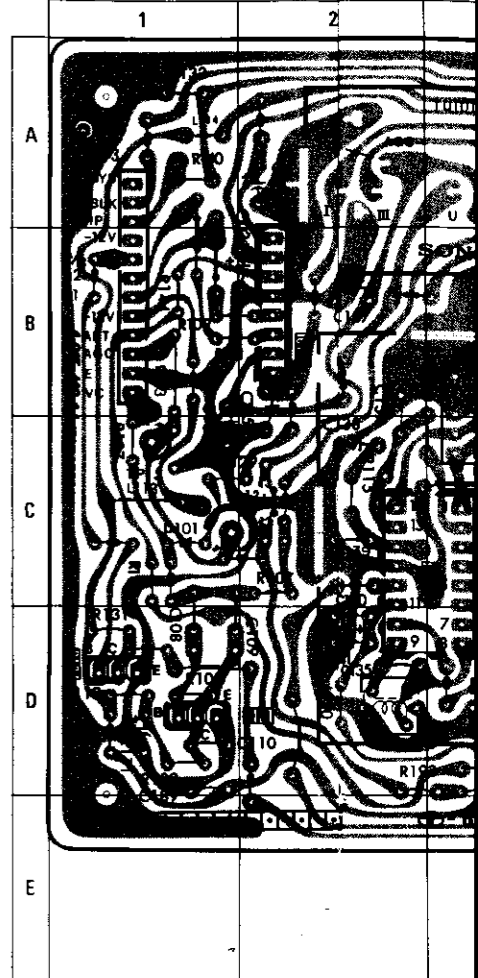
F [REG OUT]

F

A [BAND SW, QUASI, ID, SIF, VIF, AFT, MATRIX]



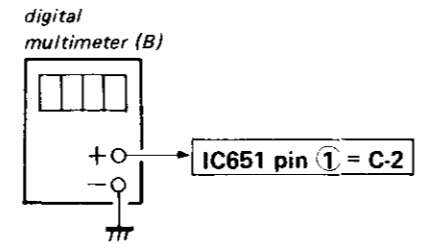
CAPACITOR		CONNECTOR	
C601	G-1	F1	H-1
C602	G-4	F2	H-2
C603	H-6	F3	H-4
C604	G-6	F4	A-2
C605	F-5	F5	C-6
C606	G-6	F6	A-3
C607	F-5	F7	A-5
C608	G-5		
C609	F-4		
C610	F-6		
C611 E-1		FUSE	
C612	E-1	F601	G-1
C613	E-1		
C614	E-2	IC	
C615	E-2	IC601	E-2
C616	E-2	IC602	C-2
C617	F-2	IC651	B-2
C618	F-2		
C619	F-1	COIL	
C620	D-2	L601	F-3
		L651	B-2
		L652	A-4
C621	E-5	TRANSISTOR	
C622	D-6	Q601	E-2
C623	C-1	Q602	E-3
C624	C-1	Q603	D-1
C625	D-1	Q604	D-1
C626	D-1	Q651	A-5
C627	E-2	Q652	B-6
C628	F-1		
C632	C-4	RESISTOR	
C633	G-2	R601	F-3
		R602	G-4
C634	D-2	R603	G-3
C651	A-1	R604	H-6
C652	A-2	R605	F-1
C653	A-3	R606	F-1
C654	C-5	R608	D-1
C655	C-5	R609	D-2
C656	B-1	R611	E-1
C658	B-5		
C659	C-4		
C660	A-4		
C661	B-6		
C662	C-1		
C663	B-1		
C664	C-2		
C666	C-6		
C667	B-1		
C668	A-3		
		DIODE	
		D601	F-5
		D602	C-2
		D603	E-2
		D604	E-2
		D605	C-5
		D606	C-1
		D607	D-4
		D608	D-6
		D609	E-5
		D651	A-1
		D652	A-3
		D653	A-3
		D654	B-5
		D655	B-5
		D656	B-3
		D657	B-6
		D658	C-6
		D659	A-4
		D660	A-4
		D661	A-5
		D663	B-2
		D664	C-2
		D654A	B-1
		D655A	B-1
		R612	D-4
		R613	C-5
		R614	D-5
		R615	D-5
		R616	D-2
		R621	O-2
		R622	O-2
		R623	O-2
		R624	E-2
		R625	E-2
		R626	E-2
		R627	F-2
		R628	F-2
		R629	E-2
		R630	E-4
		R631	E-5
		R632	E-3
		R633	C-1
		R634	D-1
		R635	D-1
		R636	E-1
		R637	E-3
		R638	D-2
		R639	E-3
		R640	G-2
		R641	H-2
		R651	B-3
		R652	A-6
		R653	B-6
		R654	A-2
		R657	A-2
		R659	B-4
		R660	B-5
		R662	C-1
		R663	B-1
		R664	B-1
		R665	B-1
		R666	B-2
		R667	B-2
		R668	A-3
		R669	B-1
		R670	A-1
		VARIABLE RESISTOR	
		RV651	B-1
		RV652	C-1
		TRANSFORMER	
		T601	G-3
		T602	H-5
		T603	E-3
		T605	C-3
		THERMISTOR	
		TH601	E-2
		TH651	A-1
		THP601	G-3



CIRCUIT ADJUSTMENTS

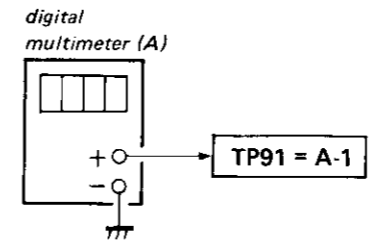
PWM LEVEL RV652 = C-1

- Adjust RV652 so that the digital multimeter (B) reading is $+3.0V \pm 0.1V_{dc}$.

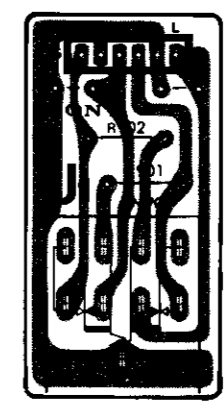


+135V ADJUSTMENT RV651 = B-1

- Adjust RV651 so that the digital multimeter (A) reading is $+135V \pm 0.5V_{dc}$.



J1 [AUDIO OUTPUT]



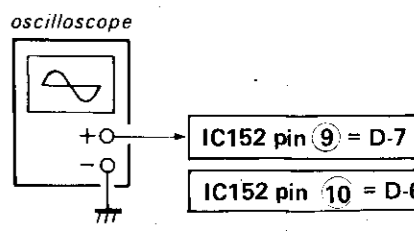
CIRCUIT ADJUSTMENT

TU. AGC ADJUSTMENT RV101 = C-3

- Tune in an off-air signal.
- Adjust RV101 so that snow noise modulation disappears from the picture.

SEPARATION ADJUSTMENT RV151 = C-1

- Receive a stereo signal (L-CH 1 kHz, R-CH 2 kHz).
- Confirm the stereo indicator.
- Confirm the output 1 kHz signal at pin 9 of IC152.
- Adjust RV151 so that minimum 1 kHz signal is present at pin 10 of IC152.

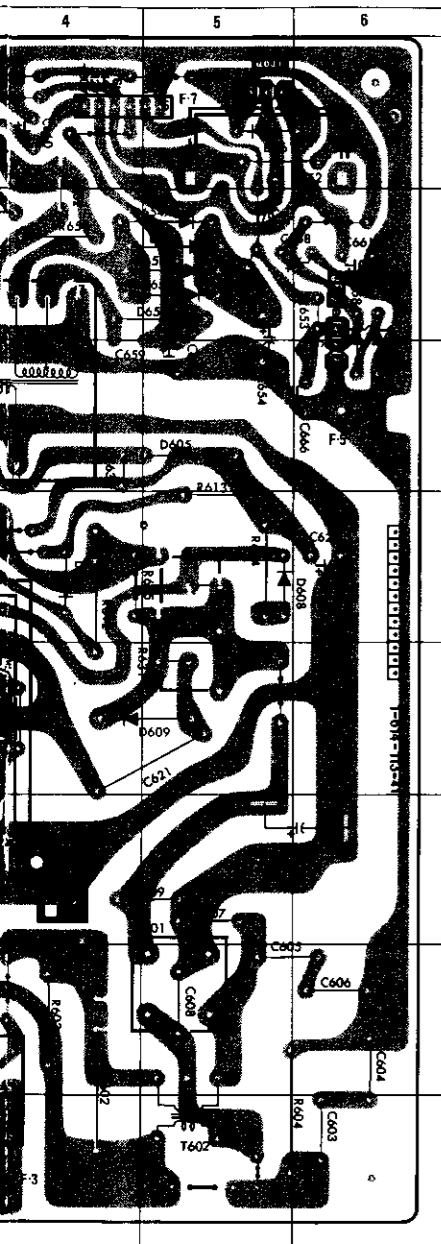


SIF ADJUSTMENT L105 = D-5

- Tune in an off-air signal.
- Adjust L105 for maximum clear-sound.

SCM [SCM-KILLER, Y DRIVE, PAL-SECAM TRANSCODER]

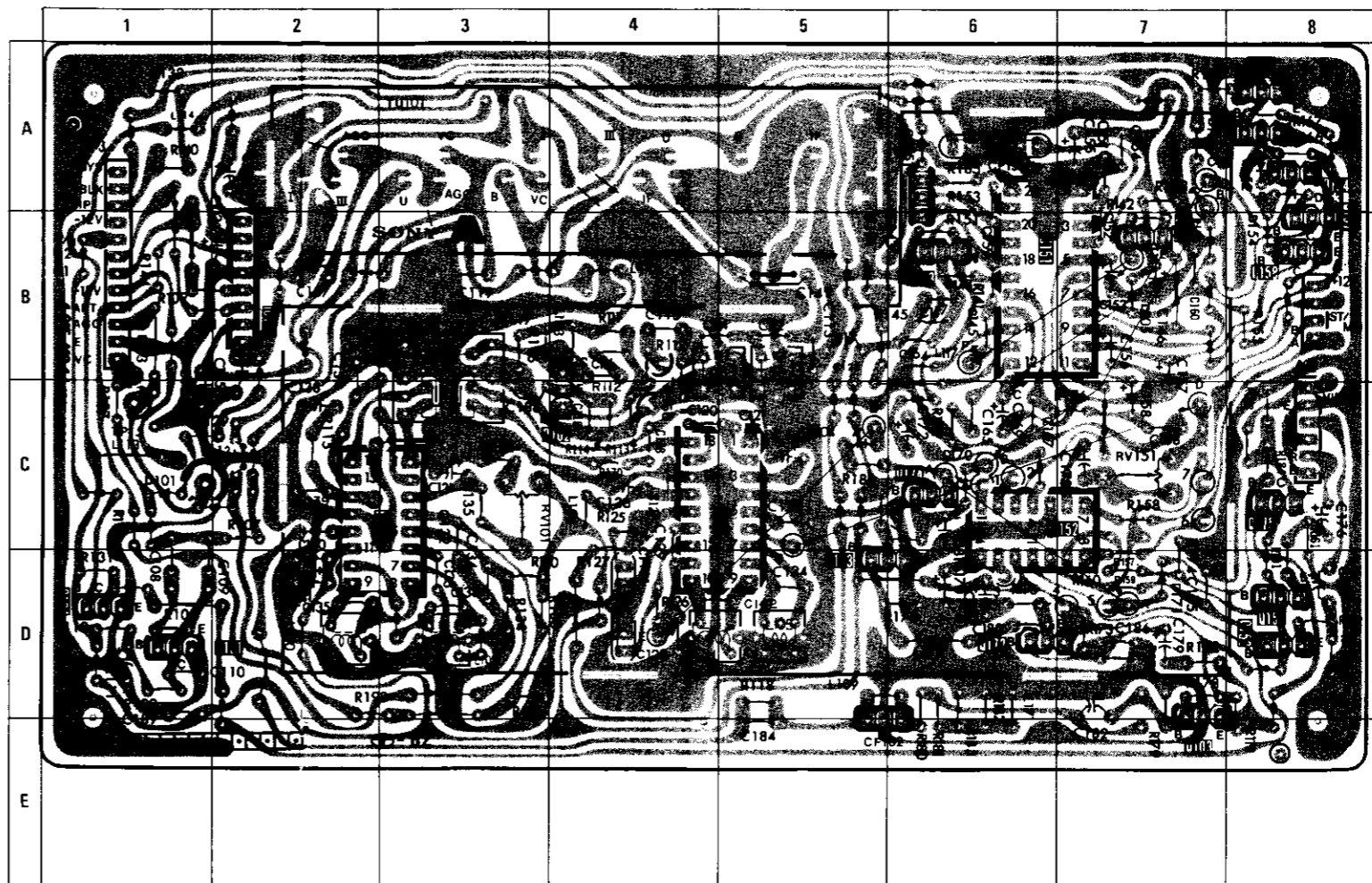
F



CAPACITOR		CONNECTOR		FUSE		IC		COIL		TRANSISTOR		DIODE	
C601	G-4	D652	A-3	F1	H-1	F601	G-1	IC801	E-2	L601	F-3	Q601	E-2
C602	G-4	D653	A-3	F2	H-2			IC802	C-2	L651	B-2	Q602	E-3
C603	H-6	D654	B-5	F3	H-4			IC851	B-2	L652	A-4	Q603	D-1
C604	G-6	D655	B-5	F4	A-2							Q604	D-1
C605	F-5	D656	B-5	F5	C-6							Q651	A-5
C606	G-6	D657	B-3	F6	A-3							Q652	B-6
C607	F-5	D658	B-6	F7	A-5								
C608	G-5	D659	C-6										
C609	F-4	D660	A-4										
C610	F-6	D661	A-5										
C611	E-1	D663	B-2										
C612	E-1	D664	C-2										
C613	E-1	D654A	B-1										
C614	E-2	D655A	B-1										
C615	E-2												
C616	E-2												
C617	F-2												
C618	F-2												
C619	F-1												
C620	D-2												
C621	E-5												
C622	D-6												
C623	C-1												
C624	C-1												
C625	D-1												
C626	D-1												
C627	E-2												
C628	F-1												
C632	C-4												
C633	G-2												
C634	D-2												
C651	A-1												
C652	A-2												
C653	A-3												
C654	C-5												
C655	C-5												
C656	B-1												
C658	B-5												
C659	C-4												
C660	A-4												
C661	B-6												
C662	C-1												
C663	B-1												
C664	C-2												
C666	C-6												
C667	B-1												
C668	A-3												
D601	F-5												
D602	C-2												
D603	E-2												
D604	E-2												
D605	C-5												
D606	C-1												
D607	D-4												
D608	D-6												
D609	E-5												
D651	A-1												

A

BAND SW, QUASI, ID, SIF, VIF, AFT, MATRIX



CIRCUIT ADJUSTMENT

TU. AGC ADJUSTMENT

RV101 = C-3

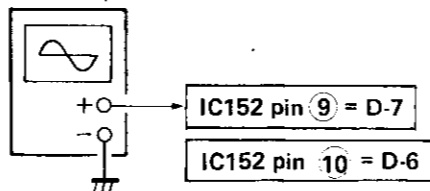
1. Tune in an off-air signal.
2. Adjust RV101 so that snow noise and cross-modulation disappear from the picture.

SEPARATION ADJUSTMENT

RV151 = C-7

1. Receive a stereo signal (L-CH 1 kHz, R-CH 400 Hz).
2. Confirm the stereo indicator.
3. Confirm the output 1 kHz signal at pin ⑨ of IC152.
4. Adjust RV151 so that minimum 1 kHz signal at pin ⑩ of IC152.

oscilloscope



SIF ADJUSTMENT

L105 = D-5

1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

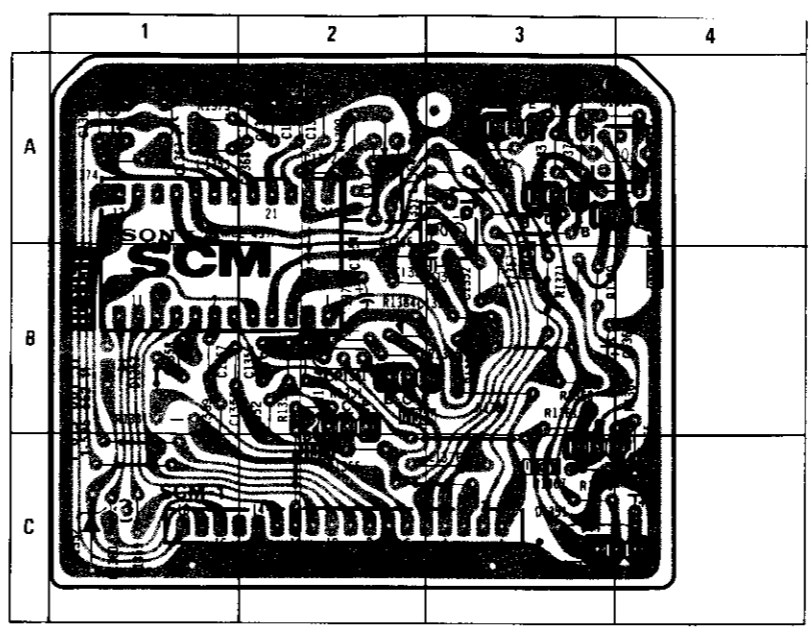
A

CONNECTOR	CAPACITOR	COIL	RESISTOR	SAW FILTER
A1 B-8	C102 A-1	L101 B-5	R101 B-1	SWF101B-3
A2 B-8	C104 B-1	L102 B-4	R102 B-1	
A3 A-1	C105 B-1	L103 B-4	R105 D-3	
	C106 A-2	L104 C-4	R106 D-3	
	C107 B-2	L105 D-5	R107 C-2	
	C108 C-1	L106 D-2	R108 D-1	
	C109 D-2	L107 D-3	R109 D-1	
	C110 D-1	L109 D-5	R110 D-1	
	C111 D-1	L110 D-2	R111 B-4	
	C112 B-5	L111 D-4	R112 B-4	
	C113 B-5	L113 C-1	R113 C-4	
	C114 B-4		R114 C-4	
	C115 B-4		R115 C-2	
	C116 B-4		R116 B-3	
	C117 B-3		R117 B-4	
	C118 C-4		R118 D-5	
	C119 B-3		R119 D-8	
	C120 C-4		R120 D-3	
	C122 B-5		R122 C-3	
	C123 C-5		R125 C-4	
	C124 D-5		R126 D-4	
	C126 C-4		R127 C-4	
	C127 C-4		R129 C-1	
	C128 D-4		R131 C-1	
	C129 C-4		R132 A-1	
	C130 B-2		R134 D-3	
	C131 C-3		R135 C-3	
	C132 C-3		R136 A-7	
	C133 D-3		R137 C-1	
	C134 C-3		R140 A-1	
	C135 D-2		R141 B-6	
	C136 D-3		R142 A-7	
	C137 B-2		R143 A-7	
	C138 B-2		R144 B-1	
	C139 C-2		R145 B-5	
	C140 C-2		R146 C-1	
	C141 D-2		R151 A-6	
	C142 D-5			
	C143 B-5			
	C144 C-5			
	C145 B-6			
	C146 B-7			
	C147 B-6			
	C148 B-6			
	C149 B-5			
	C150 C-4			
	C151 A-7			
	C152 A-7			
	C153 B-7			
	C154 A-7			
	C155 A-7			
	C156 B-7			
	C157 B-7			
	C158 C-7			
	C159 B-6			
	C160 B-7			
	C164 B-6			
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	C170 D-6			
	C171 D-6			
	C172 C-6			
	C173 C-7			
	C174 C-7			
	C175 C-7			
	C176 C-8			
	C177 D-8			
	C178 D-7			
	C179 D-7			
	C180 D-6			
	C181 C-6			
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	C262 C-6			
	C263 C-6			
	C264 C-6			

D

CAPACITOR	C313 A-10 C314 A-12 C315 A-11 C316 A-10 C317 A-11 C318 B-11 C319 A-12 C320 C-12 C321 C-12 C322 C-11 C323 D-12 C324 D-12 C325 D-12 C326 D-12 C327 C-11 C328 D-11 C329 C-10 C331 B-11 C332 C-12 C333 B-9 C334 A-10 C336 D-13 C337 E-13 C338 D-13 C339 A-11 C340 C-12 C341 C-13 C342 D-13 C343 D-12 C344 B-9 C346 B-13 C347 B-9 C348 A-12 C350 B-10 C501 1-7 C502 1-7 C503 1-7 C504 1-7 C505 1-8 C506 1-8 C507 J-7 C508 J-8 C509 J-7 C510 J-6 C511 J-5 C512 J-11 C513 1-6 C514 J-6 C515 1-6 C516 F-7 C517 F-7 C518 G-8 C519 E-6 C520 G-8 C521 G-8 C522 F-8 C523 F-6 C524 H-6 C525 F-5 C527 F-5 C528 E-7 C529 1-8 C530 1-5 C531 G-6 C532 H-7 C540 1-5 C543 F-4 C545 1-8 C546 H-6 C551 1-4 C552 H-3 C553 H-4 C801 H-3 C802 1-5 C803 F-1 C804 F-2 C805 F-3 C806 B-1 C807 D-3 C808 D-1 C809 E-1 C810 C-2 C811 B-3 C812 F-2 C813 1-3 C814 G-2 C815 J-4 C816 J-3 C818 E-1 C819 A-2 C821 H-3 C822 H-3 C824 G-3	C825 C-4 C828 G-1 C830 G-4 C017A B-5 FILTER CF001 C-6 CONNECTOR CN201 J-10 CN202 J-13 CN251 J-12 CN252 J-13 TRIMMER CV301 C-10 CONNECTOR D1 A-7 D3 B-8 D4 F-10 D5 H-4 D6 G-12 D7 E-6 D8 D-6 D10 G-3 D12 C-1 D14 B-12 D15 1-12 D16 1-13 D17 1-12 D18 1-11 D19 H-7 D20 E-11 D21 D-8 D22 J-9 D23 E-6 D24 E-7 D27 1-9 D28 1-8 D29 B-2 D30 A-3 D32 D-5 DIODE D001 A-6 D002 A-5 D003 A-5 D004 B-5 D005 C-8 D006 D-9 D008 B-5 D010 B-5 D061 E-5 D062 D-8 D201 F-12 D205 H-9 D206 G-9 D212 E-9 D213 E-9 D214 E-10 D215 E-10 D216 E-10 D217 E-10 D218 E-10 D219 E-9 D271 F-12 D303 B-12 D304 B-12 D305 B-12 D306 C-11 D307 C-12 D308 B-11 D309 A-11 D312 E-11 D501 J-5 D503 F-7 D504 G-7 D505 F-7 D506 F-8 D507 D-5 D551 H-7 D552 G-8 D563 H-3 D564 H-3 D555 H-6 D801 B-1	D802 F-2 D803 G-2 D804 J-3 D805 G-4 D806 E-1 D807 E-1 DELAY LINE DL301 D-13 DL302 D-10 CONNECTOR DY1 F-2 DY2 F-2 DY3 F-4 IC IC001 B-6 IC002 C-7 IC201 G-11 IC202 H-9 IC251 G-13 IC301 B-11 IC302 A-13 IC551 1-6 COIL L001 A-4 L251 1-12 L252 1-13 L301 C-13 L302 B-13 L304 D-10 L306 D-13 L307 E-13 L308 C-12 L310 F-1 L801 G-1 L802 C-2 L803 C-3 L804 D-2 L805 C-3 L806 G-3 L808 H-1 L809 F-3 L810 F-1 L811 C-4 TRANSISTOR Q001 B-4 Q003 A-7 Q004 A-7 Q006 A-8 Q007 C-8 Q008 C-5 Q009 C-5 Q011 E-5 Q201 H-12 Q206 H-10 Q207 F-9 Q208 G-10 Q301 C-13 Q305 A-13 Q309 A-12 Q310 C-9 Q311 A-9 Q312 C-12 Q313 D-12 Q320 D-10 Q502 H-8 Q504 H-8 Q505 J-4 Q506 E-8 Q507 G-6 Q508 G-8 Q510 1-8 Q511 F-8 Q512 E-8 Q514 E-7 Q515 C-5 Q551 H-4 Q802 F-1 Q803 D-1	R005 A-6 R006 A-6 R007 A-6 R008 A-6 R009 A-6 R010 A-6 R011 A-6 R012 A-6 R013 A-6 R014 A-7 R015 A-7 R016 A-6 R017 B-4 R018 B-7 R020 E-7 R021 B-7 R022 A-8 R023 A-8 R024 B-5 R025 C-7 R026 B-4 R027 C-7 R028 C-6 R029 C-5 R030 C-5 R031 C-6 R032 A-7 R033 C-8 R034 C-8 R035 C-8 R037 B-7 R038 B-7 R039 C-7 R040 B-7 R041 C-7 R042 C-6 R043 C-6 R044 B-6 R045 D-7 R046 B-5 R047 C-5 R048 A-4 R049 D-5 R050 D-6 R052 D-6 R053 D-5 R054 D-6 R056 B-4 R057 C-4 R060 E-6 R061 C-6 R201 1-10 R202 1-10 R203 1-8 R204 J-8 R205 J-8 R206 B-4 R207 G-9 R208 G-11 R209 G-10 R210 G-10 R211 F-9 R212 H-12 R214 G-12 R216 G-12 R217 H-12 R218 J-11 R219 J-10 R220 J-10 R221 H-9 R222 H-9 R228 H-9 R229 H-9 R230 H-10 R231 H-9 R232 1-10 R233 G-9 R234 F-9 R235 F-9 R236 F-9 R237 1-11 R238 G-10 R239 1-10 R240 F-10 R242 G-10 R243 B-8 R244 C-8 R245 F-11 R247 1-11 R248 G-11 R249 1-11 R251 C-9 R252 C-9 R253 C-10	R254 C-10 R255 1-10 R256 1-10 R257 1-10 R278 H-12 R279 H-13 R280 H-12 R281 H-13 R282 G-13 R283 1-11 R284 G-12 R285 F-12 R286 F-13 R287 F-12 R288 G-12 R289 H-12 R297 F-13 R298 F-13 R301 D-13 R302 C-13 R303 C-13 R304 D-13 R305 C-13 R306 C-13 R307 C-13 R308 B-13 R319 A-9 R323 A-12 R324 A-12 R325 E-13 R326 A-11 R332 C-12 R333 F-11 R334 C-11 R335 C-11 R336 D-11 R337 D-11 R338 C-11 R339 C-10 R340 C-10 R341 D-11 R342 B-10 R343 B-12 R344 A-8 R345 C-12 R347 A-10 R348 D-12 R349 D-13 R350 D-12 R351 D-12 R352 C-12 R353 C-9 R354 F-10 R356 A-12 R357 A-11 R358 B-8 R359 C-12 R360 E-12 R362 A-9 R364 B-9 R365 A-9 R366 A-11 R367 B-12 R368 B-12 R369 C-12 R370 C-9 R371 C-11 R373 B-9 R376 B-8 R377 B-8 R378 B-8 R379 A-11 R380 C-13 R381 A-11 R382 E-12 R383 D-12 R385 B-12 R386 B-12 R387 B-12 R390 E-10 R504 1-8 R505 H-8 R506 H-8 R507 1-8 R508 1-7 R509 1-7 R510 J-8 R511 J-7 R512 J-5 R513 J-5 R514 J-5 R515 J-5 R516 J-5	R517 J-6 R520 1-6 R521 H-5 R522 1-5 R523 F-7 R524 F-8 R525 G-8 R526 H-7 R527 G-8 R528 F-6 R529 F-6 R530 H-6 R531 H-8 R532 H-7 R533 H-6 R534 G-6 R535 H-7 R536 F-6 R537 H-5 R538 H-5 R539 1-8 R540 F-8 R541 F-8 R542 E-5 R543 1-5 R544 1-5 R547 F-4 R548 G-6 R549 G-7 R550 1-6 R551 1-4 R552 1-3 R553 H-3 R554 E-8 R555 E-8 R556 F-7 R557 H-6 R558 H-8 R559 H-7 R560 G-7 R571 1-8 R572 1-8 R573 1-8 R574 H-6 R575 D-2 R576 H-7 R578 E-4 R591 H-6 R593 E-7 R594 E-7 R595 E-7 R596 E-7 R597 H-7 R598 1-6 R599 G-6 R800 G-4 R801 G-1 R802 J-5 R803 F-1 R804 C-2 R805 G-1 R806 F-2 R807 1-3 R808 1-3 R809 1-3 R810 H-1 R811 1-3 R812 J-3 R813 1-3 R814 G-2 R815 A-1 R817 G-2 R820 D-4 R821 F-4 R825 C-2 R826 C-2	TRANSFORMER T301 D-11 T801 1-5 T802 J-2 T803 B-3 THERMISTOR TH501 H-6 CRYSTAL X301 C-11
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SCM SCM-KILLER, Y DRIVE, PAL-SECAM TRANSCODER



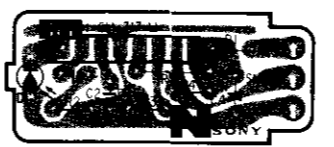
CIRCUIT ADJUSTMENTS

4.20MHz TRAP ADJUSTMENT L1352 = A-4

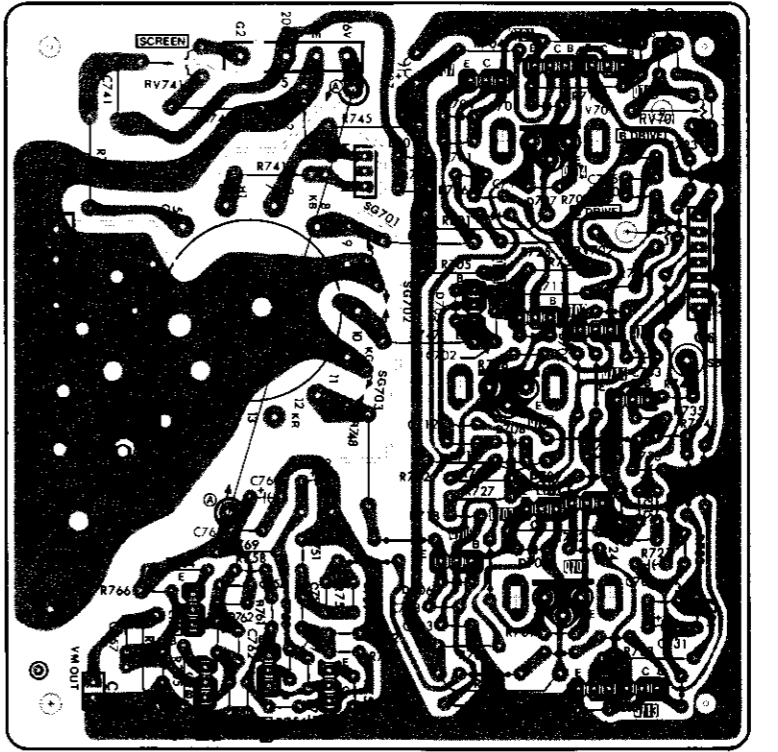
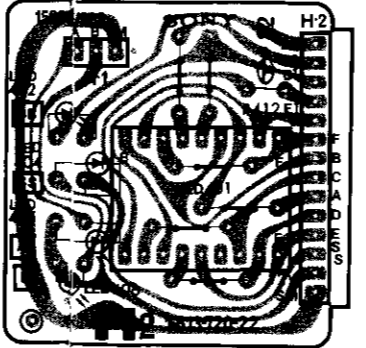
1. Input the 4.20MHz CW signal at pin ④ of D-20 connector.
2. Connect an oscilloscope at pin ⑤ of D-20 connector.
3. Adjust L1352 for minimum 4.20MHz component.

C [R, G, B OUT]

N REMOTE CONTROL HEAD AMP



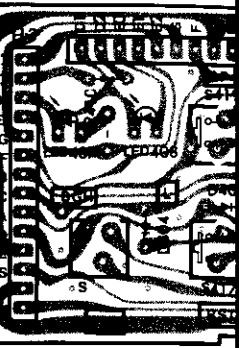
H2 (INDICATOR)



SIF ADJUSTMENT

1. Tune in an off-air signal.
2. Adjust L105 for maximum signal.

H1 INDICATOR, CUSTOMER CONTROL



V ICCT, μ-PROCESSOR

