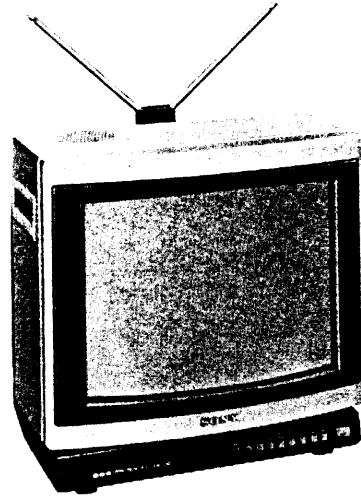


KV-1440UB

SERVICE MANUAL

UK Model
Chassis No. SCC-767A-A



May, 1986

XE-5 CHASSIS

SPECIFICATIONS

Television system	British TV standards
Colour system	PAL I
Channel coverage	UHF channels 21-68
Picture tube	Trinitron tube Approx. 36.8 cm (14 inches) 90 degree deflection (Approx. 33.7 cm picture measured diagonally)
Aerial	75-ohm standard coaxial socket Telescopic aerial (supplied)
Speaker	7.5 cm dia.
Audio output	1.5 W
Input/output	21-pin connector, Euro AV with the requirements of CENELEC standard
Power requirements	240 V AC, 50 Hz
Power consumption	63 Wh
Dimensions	Approx. 366 × 356.5 × 408.5 mm (w/h/d) (14 ¹ / ₂ × 14 ¹ / ₈ × 16 ¹ / ₈ inches)
Weight	Approx. 10.8 kg (23 lb 13 oz)
Accessories supplied	Telescopic aerial (1) Aerial connector (300 - 75 ohm matching transformer is built-in.) (1)

Design and specifications are subject to change without notice.

RTV servis Horvat

Tel: ++385-31-856-637

Tel/fax: ++385-31-856-139

Mob: 098-788-319

www.rtv-horvat-dj.hr



TRINITRON® COLOUR TV
SONY®

CTV

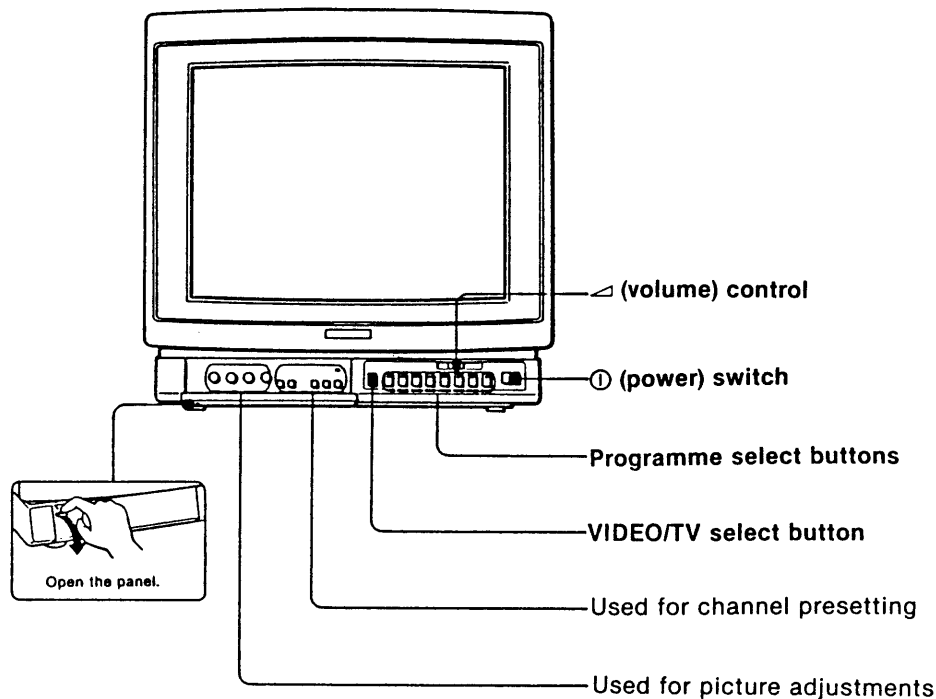
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SAFETY-RELATED COMPONENT WARNING !!
COMPONENTS IDENTIFIED BY SHADING AND MARK
⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN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

SECTION 1 GENERAL

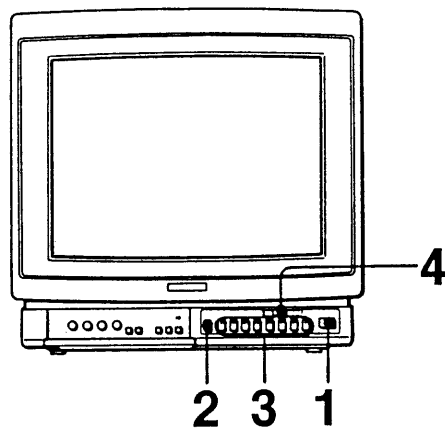
1-1. LOCATION OF CONTROLS



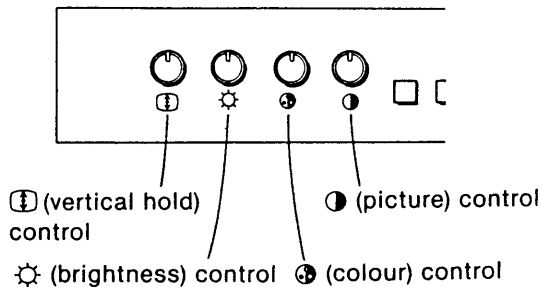
1-2. OPERATION

VIEWING TV PROGRAMME

PICTURE ADJUSTMENTS







Front panel opened



- 1 Depress ① to turn on the TV.
- 2 Press VIDEO/TV if the indicator on this button lights.
- 3 Press the desired programme select button. The indicator on the selected button lights.
- 4 Adjust the volume by sliding \triangle toward 10 for more volume, and toward 0 for less volume.

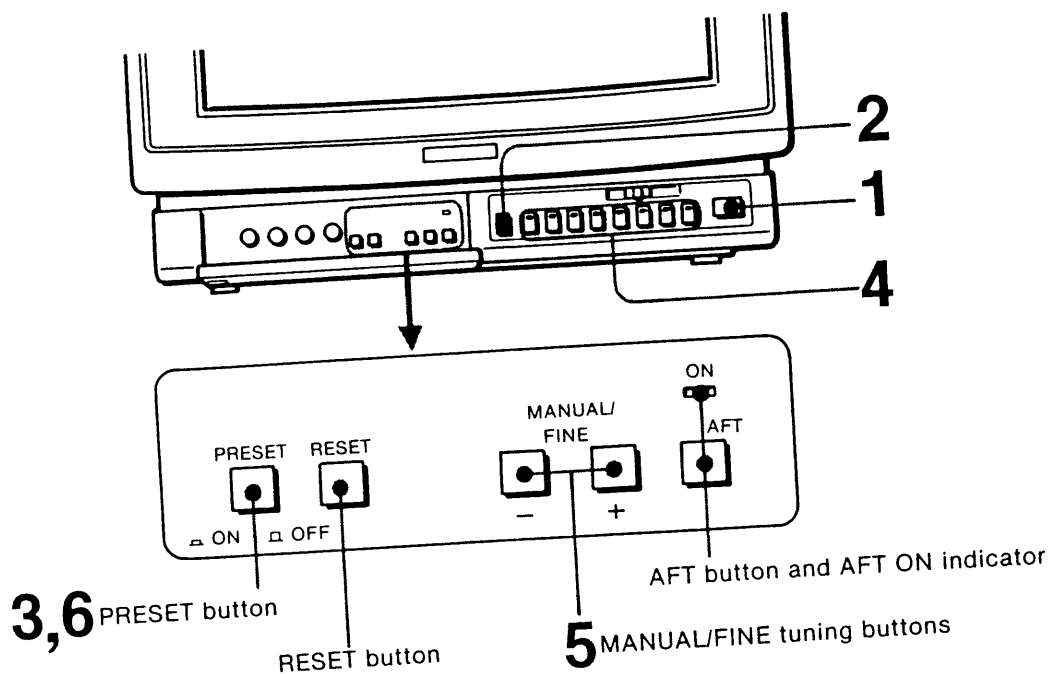
Note

To view the picture of the equipment connected to the 21-pin connector, press VIDEO/TV so that the indicator on the button lights. Then, operate the connected equipment.

- to decrease picture contrast  to increase picture contrast
 - for less colour intensity  for more colour intensity
 - for less brightness  for more brightness
 - 
- If the picture rolls vertically, turn to stabilize the picture.

1-3. CHANNEL PRESETTING

Up to 8 channels can be preset on the programme select buttons.



- 1 Depress ①.
- 2 Press VIDEO/TV if the indicator on this button lights.
- 3 Depress PRESET (ON) to set the TV in the preset standby mode.
- 4 Press the programme select button on which a channel is to be preset. The indicator on the button will blink.
- 5 Tune in the desired channel with +/- MANUAL/FINE.
 - + for higher-numbered channels
 - for lower-numbered channels
 First keep + or - MANUAL/FINE depressed until a picture will appear. Then repeat pressing the button momentarily until the best possible picture is obtained. If the channel located is not the desired one, repeat this procedure.
 - The TV can be reset to a frequency below the lowest channel by pressing RESET.

Repeat steps 4 and 5 for all desired channels.

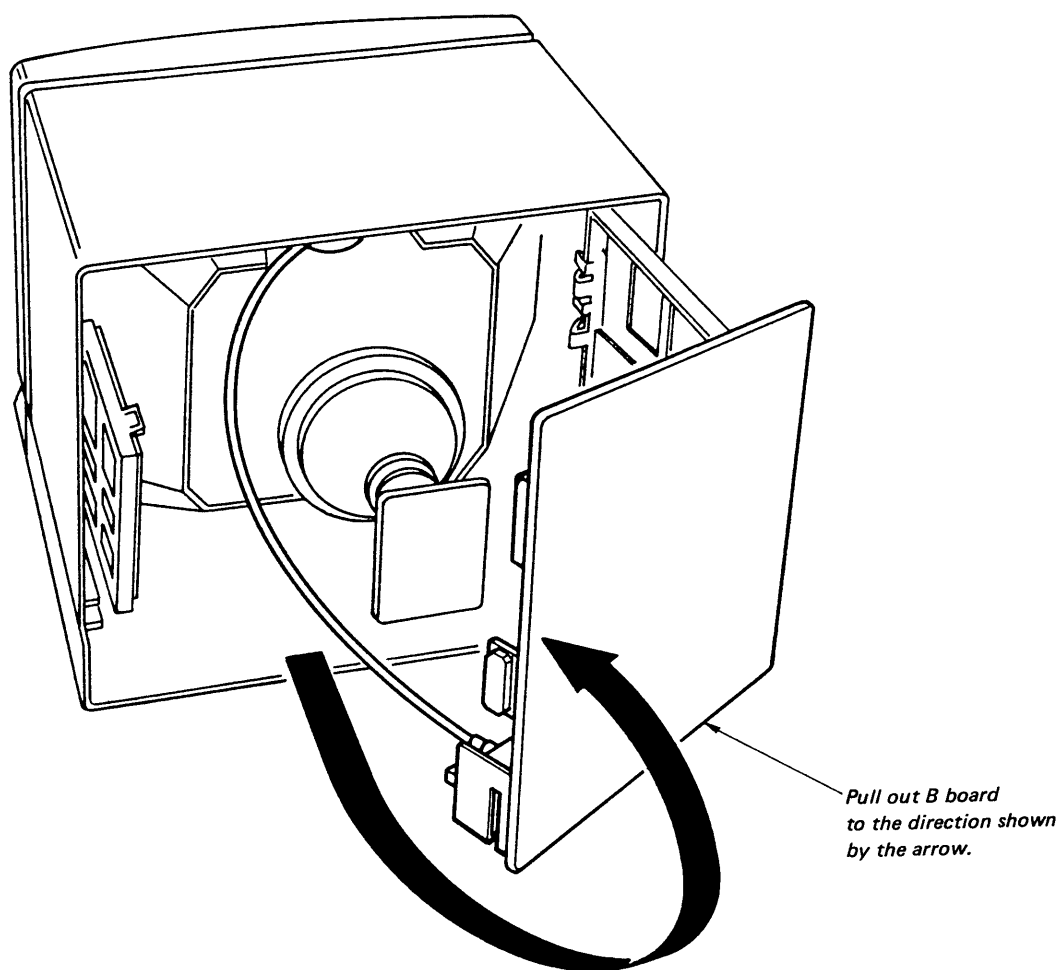
- 6 Press PRESET (OFF). The preset channels are memorized and the AFT circuit is automatically activated for clear picture. The AFT ON indicator lights.

FINE-TUNING OF A WEAK STATION

If the picture of a particular channel is not acceptable, make sure PRESET is set to OFF, and keep + or - MANUAL/FINE pressed until the picture becomes clearer. When either MANUAL/FINE is pressed, the automatic fine tuning on the selected channel is deactivated and the AFT ON indicator goes off, and the indicator on the programme select button blinks. To view this particular channel, keep the automatic fine tuning deactivated. (Do not press AFT.) When other channels are selected, the automatic fine tuning activates automatically.

SECTION 2 DISASSEMBLY

2-1. CHECKING FOR B BOARD UP



Note:

- ① Set the volume control on front panel to minimum.
- ② Remove the back cover and set the board as shown.

SECTION 2 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.

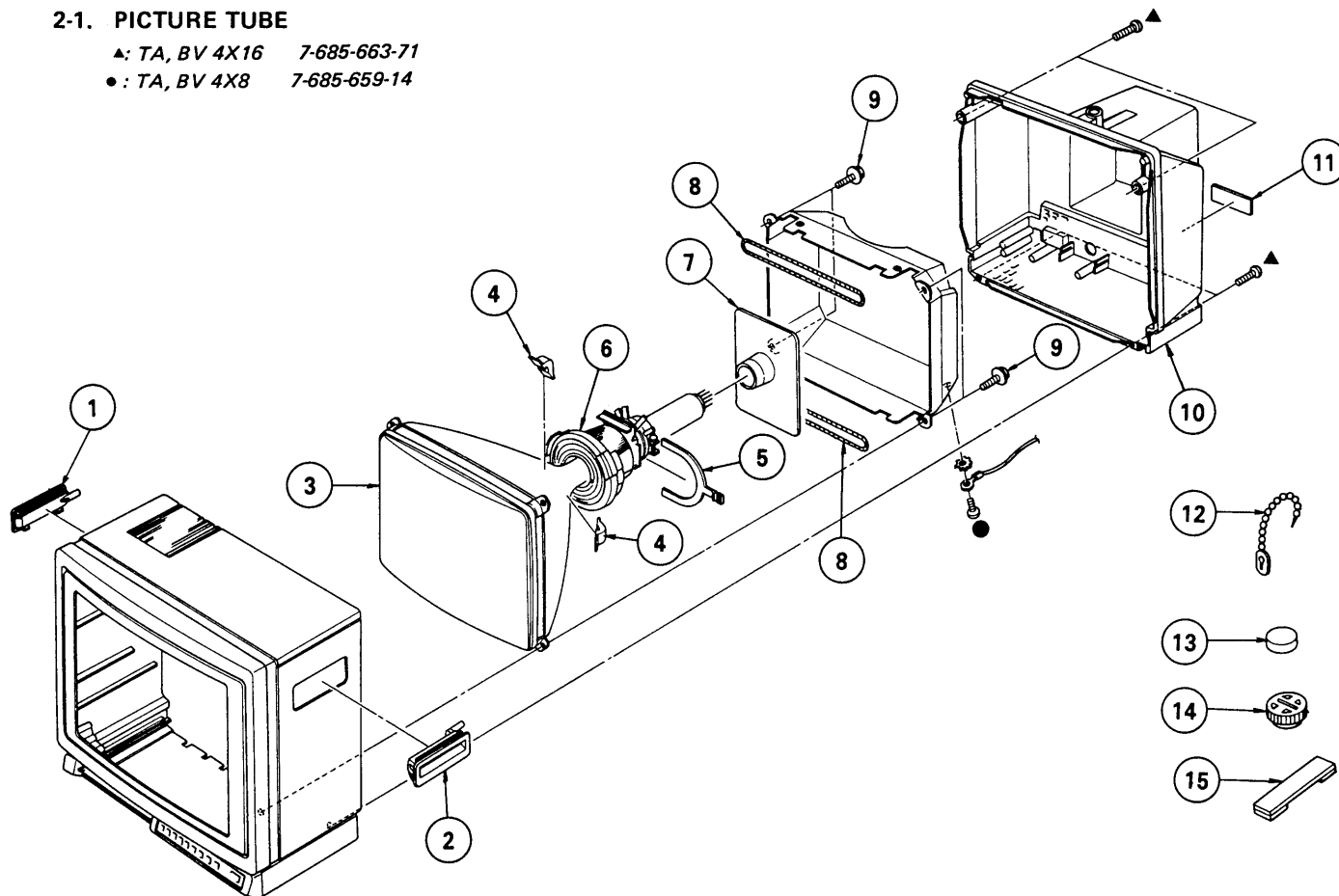
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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

2-1. PICTURE TUBE

▲: TA, BV 4X16 7-685-663-71

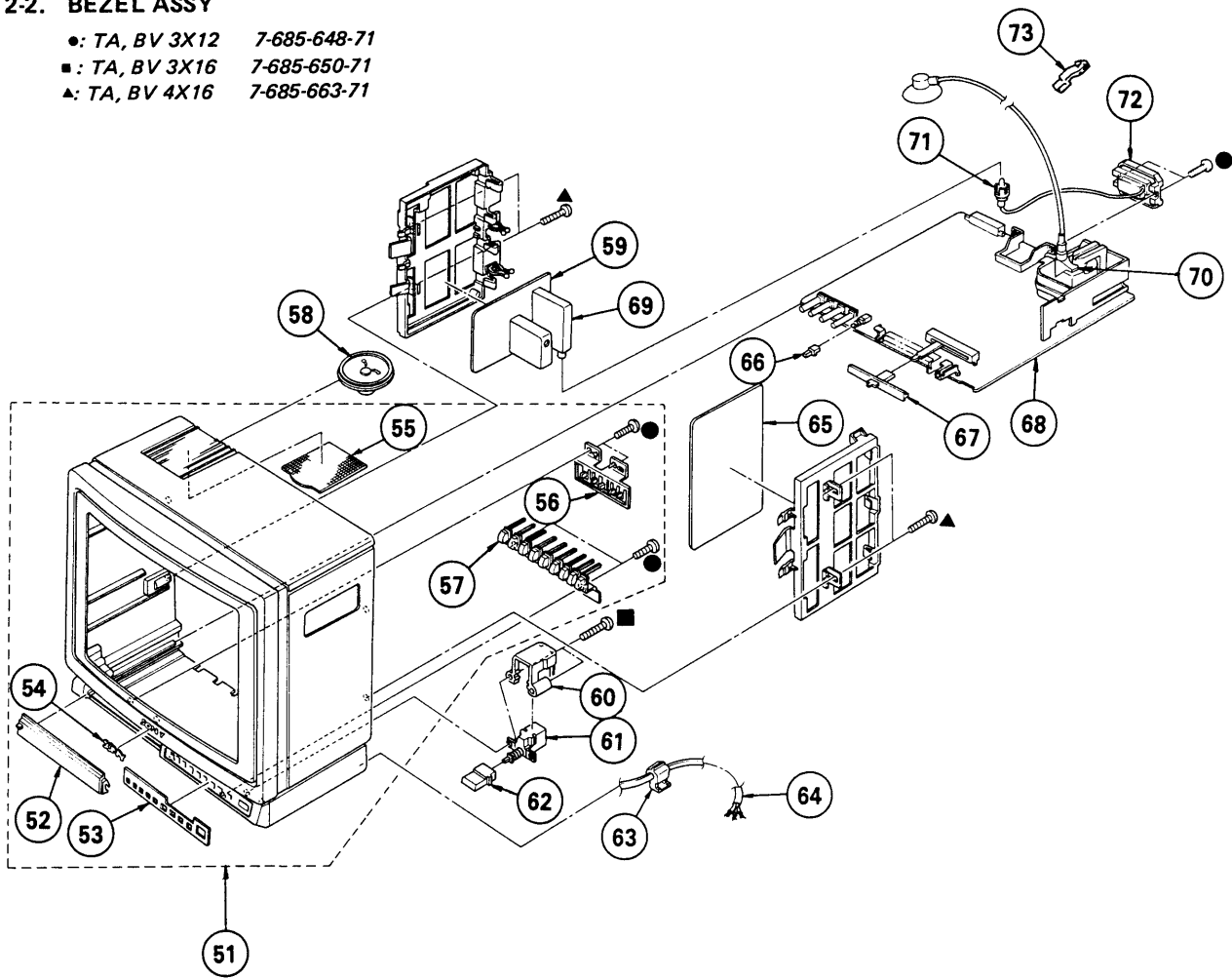
●: TA, BV 4X8 7-685-659-14



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	4-374-921-41	HANDLE (LEFT) FOR SILVER		8	▲ 1-426-145-13	COIL, DEGAUSSING	
	4-374-921-61	HANDLE (LEFT) FOR GRAY		9	4-365-808-00	SCREW (5) TAPPING	
2	4-374-920-31	HANDLE (RIGHT) FOR GRAY		10	4-376-557-11	COVER, BACK	
	4-374-920-41	HANDLE (RIGHT) FOR SILVER		11	*4-380-934-01	LABEL, MODEL NUMBER	
3	▲ 8-735-553-05	CRT (A34JBU10X)		12	4-308-870-00	CLIP, LEAD WIRE	
4	3-703-961-01	SPACER, DY		13	1-452-032-00	MAGNET, DISK; 10MM ϕ	
5	1-452-277-00	MAGNET, BMC		14	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
6	▲ 1-451-249-31	DEFLECTION YOKE (SY-125B)		15	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
7	*A-1330-685-A	C BOARD, COMPLETE					

2-2. BEZEL ASSY

- : TA, BV 3X12 7-685-648-71
- : TA, BV 3X16 7-685-650-71
- ▲: TA, BV 4X16 7-685-663-71



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

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-4374-955-1	BEZEL ASSY (FOR SILVER)	52-56	62	4-376-523-11	BUTTON (A), POWER	
	X-4374-955-2	BEZEL ASSY (FOR GRAY)		63	▲ 4-368-619-02	HOLDER, CORD, AC	
52	X-4374-954-1	DOOR ASSY, CONTROL		64	▲ 1-557-124-12	CORD, AC (3 CORE)	
53	4-376-577-01	WINDOW (E), TUNING		65	*A-1245-321-A	F BOARD, COMPLETE	
54	4-840-002-00	EMBLEM, SONY		66	4-376-524-01	BUTTON, PRESET	
55	*4-374-962-01	NET, SPEAKER		67	4-376-579-01	KNOB, (B), VOLUME	
56	4-376-518-21	BUTTON, MULTI		68	*A-1135-374-A	B BOARD, COMPLETE	
57	X-4374-933-3	BUTTON ASSY, TUNING		69	▲ 1-463-593-11	TUNER, ET (BT-882A)	
58	1-503-344-21	SPEAKER		70	▲ 1-439-311-32	TRANSFORMER ASSY, FLYBACK	
59	*A-1296-127-A	A BOARD, COMPLETE		71	*1-555-111-61	CABLE, PIN	
60	*4-380-917-01	COVER (A), AC SWITCH		72	▲ 1-536-683-00	CONNECTOR, COAXIAL ANTENNA	
61	▲ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	*4-346-339-00	HOLDER, HV CABLE	

B

SECTION 3
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark Δ 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.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS

- MMH : mH, UH : μ H

CAPACITORS

- MF : μ F, PF : μ PF

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

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-374-A	B BOARD, COMPLETE *****		C312	1-124-903-00	ELECT 1MF	20% 50V
	3-531-576-31	RIVET (DIA. 3), NYLON		C314	1-123-616-00	ELECT 4.7MF	20% 25V
	3-701-833-01	HEAD, WASHER, TAPPING SCREW		C315	1-123-617-00	ELECT 10MF	20% 16V
	*4-365-811-00	CASE (MAIN), SHIELD, VIF		C316	1-106-184-00	MYLAR 0.0033MF	10% 50V
	*4-365-812-00	LID, UPPER, SHIELD CASE, VIF		C318	1-124-903-00	ELECT 1MF	20% 50V
	*4-365-813-00	LID, BOTTOM, SHIELD CASE, VIF		C319	1-108-841-91	MYLAR 0.022MF	10% 50V
				C320	1-123-608-00	ELECT 0.22MF	20% 50V
				C321	1-108-841-91	MYLAR 0.022MF	10% 50V
				C322	1-102-074-00	CERAMIC 0.001MF	10% 50V
				C323	1-123-332-00	ELECT 47MF	20% 16V
				C324	1-123-617-00	ELECT 10MF	20% 16V
				C325	1-101-004-00	CERAMIC 0.01MF	50V
				C326	1-101-004-00	CERAMIC 0.01MF	50V
				C327	1-124-903-00	ELECT 1MF	20% 50V
				C328	1-124-903-00	ELECT 1MF	20% 50V
				C330	1-124-903-00	ELECT 1MF	20% 50V
				C331	1-123-332-00	ELECT 47MF	20% 16V
				C336	1-102-074-00	CERAMIC 0.001MF	10% 50V
				C401	1-102-106-00	CERAMIC 100PF	10% 50V
				C402	1-108-843-91	MYLAR 0.033MF	10% 50V
				C403	1-102-121-00	CERAMIC 0.0022MF	10% 50V
				C404	1-106-184-00	MYLAR 0.0033MF	10% 50V
				C405	1-101-004-00	CERAMIC 0.01MF	50V
				C406	1-124-896-00	ELECT 33MF	20% 16V
				C407	1-102-971-00	CERAMIC 82PF	5% 50V
				C408	1-123-332-00	ELECT 47MF	20% 16V
				C409	1-124-903-00	ELECT 1MF	20% 50V
				C410	1-124-903-00	ELECT 10MF	20% 16V
				C413	1-124-902-00	ELECT 0.47MF	20% 50V
				C415	1-124-646-00	ELECT 22MF	20% 16V
				C416	1-123-622-00	ELECT 22MF	20% 16V
				C417	1-123-617-00	ELECT 10MF	20% 16V
				C418	1-124-475-11	ELECT 470MF	20% 16V
				C419	1-124-903-00	ELECT 1MF	20% 50V
				C420	1-124-903-00	ELECT 1MF	20% 50V
				C421	1-124-445-00	ELECT 100MF	20% 16V
				C422	1-124-903-00	ELECT 1MF	20% 50V
				C423	1-123-617-00	ELECT 10MF	20% 16V
				C424	1-102-121-00	CERAMIC 0.0022MF	10% 50V
				C425	1-124-556-11	ELECT 2200MF	20% 16V
				C426	1-123-617-00	ELECT 10MF	20% 16V
				C427	1-123-617-00	ELECT 10MF	20% 16V
				C428	1-123-617-00	ELECT 10MF	20% 16V
				C429	1-124-903-00	ELECT 1MF	20% 50V
				C430	1-124-445-00	ELECT 100MF	20% 16V
				C431	1-124-902-00	ELECT 0.47MF	20% 50V
				C432	1-124-902-00	ELECT 0.47MF	20% 50V
				C433	1-124-902-00	ELECT 0.47MF	20% 50V
				C434	1-124-903-00	ELECT 1MF	20% 50V
				C439	1-124-445-00	ELECT 100MF	20% 16V
				C501	1-108-845-00	MYLAR 0.047MF	10% 50V
				C502	1-108-825-91	MYLAR 0.001MF	10% 50V
				C503	1-124-903-00	ELECT 1MF	20% 50V
C001	1-101-004-00	CERAMIC	0.01MF	50V			
C002	1-124-470-11	ELECT	470MF	20%	6.3V		
C003	1-101-004-00	CERAMIC	0.01MF	50V			
C004	1-102-959-00	CERAMIC	22PF	5%	50V		
C005	1-102-959-00	CERAMIC	22PF	5%	50V		
C007	1-101-004-00	CERAMIC	0.01MF	50V			
C008	1-123-622-00	ELECT	22MF	20%	16V		
C009	1-123-617-00	ELECT	10MF	20%	16V		
C010	1-108-603-00	MYLAR	0.1MF	5%	50V		
C012	1-102-108-00	CERAMIC	150PF	10%	50V		
C015	1-124-927-11	ELECT	4.7MF	20%	50V		
C016	1-101-004-00	CERAMIC	0.01MF	50V			
C017	1-123-617-00	ELECT	10MF	20%	16V		
C018	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C019	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C020	1-101-004-00	CERAMIC	0.01MF	50V			
C021	1-101-004-00	CERAMIC	0.01MF	50V			
C022	1-101-004-00	CERAMIC	0.01MF	50V			
C023	1-101-004-00	CERAMIC	0.01MF	50V			
C024	1-124-905-11	ELECT	3.3MF	20%	50V		
C025	1-124-902-00	ELECT	0.47MF	20%	50V		
C026	1-101-003-00	CERAMIC	0.0047MF	50V			
C027	1-102-114-00	CERAMIC	470PF	10%	50V		
C028	1-102-114-00	CERAMIC	470PF	10%	50V		
C301	1-101-004-00	CERAMIC	0.01MF	50V			
C302	1-124-903-00	ELECT	1MF	20%	50V		
C303	1-124-896-00	ELECT	33MF	20%	16V		
C305	1-124-903-00	ELECT	1MF	20%	50V		
C306	1-124-903-00	ELECT	1MF	20%	50V		
C307	1-124-904-00	ELECT	2.2MF	20%	50V		
C308	1-102-963-00	CERAMIC	33PF	5%	50V		
C309	1-102-111-00	CERAMIC	270PF	10%	50V		
C310	1-102-111-00	CERAMIC	270PF	10%	50V		
C311	1-124-903-00	ELECT	1MF	20%	50V		

B

o. Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1-106-176-00	MYLAR	0.0015MF 10% 50V	C853	1-102-038-00	CERAMIC	0.001MF 500V
1-108-837-00	MYLAR	0.01MF 10% 50V	C854	1-124-120-11	ELECT	220MF 20% 25V
1-108-841-91	MYLAR	0.022MF 10% 50V	C855	1-124-907-00	ELECT	10MF 20% 50V
1-124-903-00	ELECT	1MF 20% 50V	C856	1-102-038-00	CERAMIC	0.001MF 500V
1-124-903-00	ELECT	1MF 20% 50V	C857	1-108-425-00	MYLAR	0.022MF 10% 200V
1-108-841-91	MYLAR	0.022MF 10% 50V	C858	1-101-004-00	CERAMIC	0.01MF 50V
1-106-180-00	MYLAR	0.0022MF 5% 100V	C859	1-124-445-00	ELECT	100MF 20% 16V
1-129-794-00	FILM	0.0033MF 2% 100V	C860	1-102-228-00	CERAMIC	470PF 10% 500V
1-124-903-00	ELECT	1MF 20% 50V	C861	1-101-880-00	CERAMIC	47PF 5% 50V
1-123-321-00	ELECT	220MF 20% 16V	C863	1-124-901-00	ELECT	1000MF 20% 35V
1-106-212-00	MYLAR	0.047MF 5% 100V				
1-124-896-00	ELECT	33MF 20% 16V				
1-131-371-00	TANTALUM	10MF 10% 16V	CV301	1-141-181-11	CAP, TRIMMER	
1-136-173-00	FILM	0.47MF 5% 50V				
1-124-903-00	ELECT	1MF 20% 50V				
1-108-837-00	MYLAR	0.01MF 10% 50V				
1-124-903-00	ELECT	1MF 20% 50V	D001	8-719-936-66	DIODE SLH-34MC3	
1-108-593-00	MYLAR	0.039MF 10% 50V	*4-376-521-01	HOLDER (C), LED;	D001	
1-124-119-00	ELECT	330MF 20% 16V	D002	8-719-936-66	DIODE SLH-34MC3	
1-102-973-00	CERAMIC	100PF 5% 50V	*4-376-521-01	HOLDER (C), LED;	D002	
1-102-112-00	CERAMIC	330PF 10% 50V	D003	8-719-936-66	DIODE SLH-34MC3	
1-102-965-00	CERAMIC	39PF 5% 50V	*4-376-521-01	HOLDER (C), LED;	D003	
1-102-244-00	CERAMIC	220PF 10% 500V	D004	8-719-936-66	DIODE SLH-34MC3	
1-102-244-00	CERAMIC	220PF 10% 500V	*4-376-521-01	HOLDER (C), LED;	D004	
1-124-122-11	ELECT	100MF 20% 50V	D005	8-719-936-66	DIODE SLH-34MC3	
1-106-196-00	MYLAR	0.01MF 10% 100V	*4-376-521-01	HOLDER (C), LED;	D005	
1-124-117-00	ELECT	680MF 10% 25V	D006	8-719-936-66	DIODE SLH-34MC3	
1-108-622-91	MYLAR	0.0047MF 10% 100V	*4-376-521-01	HOLDER (C), LED;	D006	
1-161-271-00	CERAMIC	100PF 5% 50V	D007	8-719-936-66	DIODE SLH-34MC3	
1-123-024-00	ELECT	33MF 160V	*4-376-521-01	HOLDER (C), LED;	D007	
1-102-114-00	CERAMIC	470PF 10% 50V	D008	8-719-936-66	DIODE SLH-34MC3	
1-106-367-00	MYLAR	0.01MF 10% 200V	*4-376-521-01	HOLDER (C), LED;	D008	
1-102-038-00	CERAMIC	0.001MF 10% 500V	D009	8-719-911-19	DIODE 1SS119	
1-102-244-00	CERAMIC	220PF 10% 500V	D010	8-719-911-19	DIODE 1SS119	
1-102-212-00	CERAMIC	820PF 10% 500V	D011	8-719-911-19	DIODE 1SS119	
1-136-236-11	FILM	0.47MF 5% 400V	D012	8-719-911-19	DIODE 1SS119	
1-106-367-00	MYLAR	0.01MF 10% 200V	D013	8-719-911-19	DIODE 1SS119	
1-162-116-00	CERAMIC	680PF 10% 2KV	D014	8-719-109-90	DIODE RD5.6ES-B3	
1-106-200-00	MYLAR	0.015MF 10% 100V	D015	8-719-109-71	DIODE RD3.9ES-B2	
1-162-116-00	CERAMIC	680PF 10% 2KV	D016	8-719-901-96	DIODE SLP161B	
1-102-092-11	FILM	0.0072MF 3% 2KV	*4-376-517-01	HOLDER (A), LED;	D016	
1-101-880-00	CERAMIC	47PF 5% 50V	D019	8-719-911-19	DIODE 1SS119	
1-102-112-00	CERAMIC	330PF 10% 50V	D021	8-719-911-19	DIODE 1SS119	
1-162-115-51	CERAMIC	330PF 10% 2KV	D022	8-719-110-72	DIODE RD30ES-B4	
1-108-630-91	MYLAR	0.022MF 10% 100V	D024	8-719-911-19	DIODE 1SS119	
1-102-228-00	CERAMIC	470PF 10% 500V	D025	8-719-911-19	DIODE 1SS119	
1-102-002-00	CERAMIC	680PF 10% 500V	D026	8-719-911-19	DIODE 1SS119	
1-124-002-11	ELECT	1MF 20% 50V	D027	8-719-911-19	DIODE 1SS119	
1-124-903-00	ELECT	1MF 20% 50V	D028	8-719-911-19	DIODE 1SS119	
1-106-200-00	MYLAR	0.015MF 10% 100V	D029	8-719-911-19	DIODE 1SS119	
1-136-060-00	FILM	0.047MF 10% 250V	D030	8-719-911-19	DIODE 1SS119	
1-123-948-00	ELECT	22MF 20% 250V	D031	8-719-911-19	DIODE 1SS119	
1-162-114-00	CERAMIC	0.0047MF 2KV	D032	8-719-911-19	DIODE 1SS119	
			D033	8-719-911-19	DIODE 1SS119	

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

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D034	8-719-911-19	DIODE 1SS119				<u>COIL</u>	
D035	8-719-911-19	DIODE 1SS119		L001	1-408-409-00	MICRO INDUCTOR 10UH	
D036	8-719-911-19	DIODE 1SS119		L002	1-408-698-00	MICRO INDUCTOR 8.2UH	
D037	8-719-812-31	DIODE TLR123		L302	1-408-244-00	MICRO INDUCTOR 18MMH	
	*4-376-521-01	HOLDER (C), LED; D037		L303	1-408-415-00	MICRO INDUCTOR 33UH	
D038	8-719-911-19	DIODE 1SS119		L304	1-408-409-00	MICRO INDUCTOR 10UH	
D040	8-719-911-19	DIODE 1SS119		L305	1-408-300-00	MICRO INDUCTOR 6.8UH	
D301	8-719-911-19	DIODE 1SS119		L401	1-408-408-00	MICRO INDUCTOR 8.2UH	
D302	8-719-911-19	DIODE 1SS119		L402	1-408-247-00	MICRO INDUCTOR 33MMH	
D303	8-719-911-19	DIODE 1SS119		L404	1-408-415-00	MICRO INDUCTOR 33UH	
D306	8-719-911-19	DIODE 1SS119		L551	1-408-698-00	MICRO INDUCTOR 8.2UH	
D307	8-719-911-19	DIODE 1SS119		L801	1-407-556-00	CHOKE COIL	
D308	8-719-911-19	DIODE 1SS119		L803	1-407-365-00	COIL, CHOKE	
D404	8-719-911-19	DIODE 1SS119		L804	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25UH	
D405	8-719-110-19	DIODE RD11ES-B		L805	1-459-496-00	COIL, FERRITE (HLC)	
D406	8-719-108-12	DIODE RD9.1EW		L806	1-459-315-00	COIL, VAR, FERRITE (HWC)	
D407	8-719-108-12	DIODE RD9.1EW		L821	1-459-105-21	COIL(WITH CORE)	
D408	8-719-110-41	DIODE RD15ESB2		L822	1-407-494-00	MICRO INDUCTOR 1.5MMH	
D409	8-719-911-19	DIODE 1SS119		L851	1-408-240-00	MICRO INDUCTOR 6.8MMH	
D501	8-719-911-19	DIODE 1SS119				<u>TRANSISTOR</u>	
D502	8-719-911-19	DIODE 1SS119		Q001	8-729-178-54	TRANSISTOR 2SC2785	
D504	8-719-911-19	DIODE 1SS119		Q002	8-729-117-54	TRANSISTOR 2SA1175	
D551	8-719-200-02	DIODE 10E2		Q003	8-729-117-54	TRANSISTOR 2SA1175	
D821	8-719-200-02	DIODE 10E2		Q004	8-729-117-54	TRANSISTOR 2SA1175	
D822	8-719-200-02	DIODE 10E2		Q005	8-729-603-50	TRANSISTOR 2SC403SP	
D823	8-719-200-02	DIODE 10E2		Q006	8-729-900-36	TRANSISTOR DTC124ES	
D824	8-719-931-05	DIODE EQ801-05		Q008	8-729-900-36	TRANSISTOR DTC124ES	
D851	8-719-901-93	DIODE V19E		Q012	8-729-900-36	TRANSISTOR DTC124ES	
D852	8-719-300-65	DIODE ES1F		Q014	8-729-900-36	TRANSISTOR DTC124ES	
D853	8-719-901-93	DIODE V19E		Q015	8-729-117-54	TRANSISTOR 2SA1175	
D854	8-719-200-02	DIODE 10E2		Q016	8-729-900-63	TRANSISTOR DTA124ES	
D855	8-719-901-93	DIODE V19E		Q017	8-729-178-54	TRANSISTOR 2SC2785	
D856	8-719-110-35	DIODE RD13ES-B1		Q018	8-729-900-63	TRANSISTOR DTA124ES	
		<u>DELAY LINE</u>		Q019	8-729-117-54	TRANSISTOR 2SA1175	
DL 301	1-415-122-31	DELAY LINE, 1H (PAL)		Q020	8-729-117-54	TRANSISTOR 2SA1175	
		<u>IC</u>		Q021	8-729-178-54	TRANSISTOR 2SC2785	
IC001	8-759-603-38	IC CX531-513P		Q022	8-729-900-63	TRANSISTOR DTA124ES	
IC002	8-759-602-52	IC M58658P		Q023	8-729-900-36	TRANSISTOR DTC124ES	
IC004	8-759-157-40	IC UPC574J		Q024	8-729-900-63	TRANSISTOR DTA124ES	
IC301	8-752-030-86	IC CXA1001AP		Q025	8-729-900-36	TRANSISTOR DTC124ES	
IC402	8-752-006-10	IC CX20061		Q301	8-729-178-54	TRANSISTOR 2SC2785	
IC403	8-752-006-10	IC CX20061		Q302	8-729-117-54	TRANSISTOR 2SA1175	
IC404	8-752-010-00	IC CX20100		Q305	8-729-178-54	TRANSISTOR 2SC2785	
IC501	8-759-100-60	IC UPC1377C		Q306	8-729-117-54	TRANSISTOR 2SA1175	
IC551	8-759-801-98	IC LA7830		Q307	8-729-900-83	TRANSISTOR DTC124XS	
		<u>JACK</u>		Q310	8-729-178-54	TRANSISTOR 2SC2785	
J401	1-561-534-00	SOCKET 21P		Q402	8-729-117-54	TRANSISTOR 2SA1175	
				Q403	8-729-178-54	TRANSISTOR 2SC2785	
				Q404	8-729-178-54	TRANSISTOR 2SC2785	
				Q405	8-729-178-54	TRANSISTOR 2SC2785	
				Q406	8-729-178-54	TRANSISTOR 2SC2785	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q409	8-729-117-54	TRANSISTOR 2SA1175		R053	1-249-441-11	CARBON 100K 5%	1/6W
Q410	8-729-178-54	TRANSISTOR 2SC2785		R054	1-249-441-11	CARBON 100K 5%	1/6W
Q412	8-729-178-54	TRANSISTOR 2SC2785		R055	1-249-441-11	CARBON 100K 5%	1/6W
Q414	8-729-178-54	TRANSISTOR 2SC2785		R056	1-247-851-00	CARBON 6.8K 5%	1/6W
Q419	8-729-178-54	TRANSISTOR 2SC2785		R057	1-249-441-11	CARBON 100K 5%	1/6W
Q801	8-729-168-82	TRANSISTOR 2SC2688-L		R058	1-249-441-11	CARBON 100K 5%	1/6W
Q802	8-729-206-04	TRANSISTOR 2SD1554-LB		R059	1-249-425-11	CARBON 4.7K 5%	1/6W
Q804	8-729-178-54	TRANSISTOR 2SC2785		R060	1-249-429-11	CARBON 10K 5%	1/6W
Q821	8-729-378-91	TRANSISTOR 2SD789		R061	1-247-718-11	CARBON 2.7K 5%	1/4W
Q851	8-729-313-42	TRANSISTOR 2SD1134		R062	1-249-425-11	CARBON 4.7K 5%	1/6W
*4-323-833-00 HEAT SINK, PIN OUT; Q851				R063	1-247-721-11	CARBON 4.7K 5%	1/4W
<u>RESISTOR</u>				R064	1-249-469-11	CARBON 100K 5%	1/6W
R001	1-247-706-11	CARBON 330 5%	1/4W	R065	1-249-441-11	CARBON 100K 5%	1/6W
R002	1-247-703-11	CARBON 180 5%	1/4W	R066	1-249-441-11	CARBON 100K 5%	1/6W
R003	1-249-405-11	CARBON 100 5%	1/6W	R067	1-249-441-11	CARBON 100K 5%	1/6W
R004	1-247-719-11	CARBON 3.3K 5%	1/4W	R068	1-249-421-11	CARBON 2.2K 5%	1/6W
R005	1-247-843-00	CARBON 3.3K 5%	1/6W	R069	1-249-419-11	CARBON 1.5K 5%	1/6W
R006	1-249-429-11	CARBON 10K 5%	1/6W	R301	1-247-823-00	CARBON 470 5%	1/6W
R007	1-249-434-11	CARBON 27K 5%	1/6W	R302	1-249-433-11	CARBON 22K 5%	1/6W
R008	1-249-415-11	CARBON 680 5%	1/6W	R304	1-247-167-00	CARBON 33K 5%	1/4W
R009	1-247-815-00	CARBON 220 5%	1/6W	R306	1-249-419-11	CARBON 1.5K 5%	1/6W
R010	1-215-877-11	METAL OXIDE 22K 5%	1W F	R307	1-247-725-11	CARBON 10K 5%	1/4W
R011	1-249-433-11	CARBON 22K 5%	1/6W	R308	1-249-429-11	CARBON 10K 5%	1/6W
R012	1-249-429-11	CARBON 10K 5%	1/6W	R309	1-247-851-00	CARBON 6.8K 5%	1/6W
R013	1-249-429-11	CARBON 10K 5%	1/6W	R310	1-247-893-00	CARBON 390K 5%	1/6W
R015	1-247-843-00	CARBON 3.3K 5%	1/6W	R311	1-247-903-00	CARBON 1M 5%	1/6W
R016	1-247-843-00	CARBON 3.3K 5%	1/6W	R312	1-249-435-11	CARBON 33K 5%	1/6W
R017	1-247-843-00	CARBON 3.3K 5%	1/6W	R313	1-249-432-11	CARBON 18K 5%	1/6W
R018	1-247-719-11	CARBON 3.3K 5%	1/4W	R314	1-246-541-00	CARBON 680K 5%	1/4W
R019	1-247-704-11	CARBON 220 5%	1/4W	R315	1-247-883-00	CARBON 150K 5%	1/6W
R020	1-247-815-00	CARBON 220 5%	1/4W	R316	1-249-441-11	CARBON 100K 5%	1/6W
R021	1-247-704-11	CARBON 220 5%	1/4W	R317	1-249-441-11	CARBON 100K 5%	1/6W
R022	1-247-815-00	CARBON 220 5%	1/6W	R318	1-249-441-11	CARBON 100K 5%	1/6W
R023	1-247-815-00	CARBON 220 5%	1/6W	R319	1-247-885-00	CARBON 180K 5%	1/6W
R024	1-247-815-00	CARBON 220 5%	1/6W	R320	1-247-725-11	CARBON 10K 5%	1/4W
R025	1-249-433-11	CARBON 22K 5%	1/6W	R321	1-247-875-00	CARBON 68K 5%	1/6W
R026	1-247-823-00	CARBON 470 5%	1/6W	R322	1-249-415-11	CARBON 680 5%	1/6W
R027	1-247-823-00	CARBON 470 5%	1/6W	R323	1-247-851-00	CARBON 6.8K 5%	1/6W
R028	1-247-823-00	CARBON 470 5%	1/6W	R324	1-247-849-00	CARBON 5.6K 5%	1/6W
R029	1-249-433-11	CARBON 22K 5%	1/6W	R325	1-247-849-00	CARBON 3.9K 5%	1/4W
R030	1-247-823-00	CARBON 470 5%	1/6W	R326	1-247-849-00	CARBON 3.9K 5%	1/4W
R031	1-247-823-00	CARBON 470 5%	1/6W	R327	1-247-145-00	CARBON 39K 5%	1/6W
R032	1-249-433-11	CARBON 22K 5%	1/6W	R328	1-247-869-00	CARBON 150K 5%	1/6W
R033	1-247-823-00	CARBON 470 5%	1/6W	R329	1-247-883-00	CARBON 390 5%	1/6W
R034	1-249-433-11	CARBON 22K 5%	1/6W	R330	1-247-821-00	CARBON 390 5%	1/6W
R035	1-247-823-00	CARBON 470 5%	1/6W	R331	1-249-417-11	CARBON 1K 5%	1/6W
R036	1-249-433-11	CARBON 22K 5%	1/6W	R332	1-247-823-00	CARBON 470 5%	1/6W
R037	1-247-823-00	CARBON 470 5%	1/6W	R333	1-247-823-00	CARBON 470 5%	1/6W
R038	1-247-823-00	CARBON 470 5%	1/6W	R334	1-249-417-11	CARBON 1K 5%	1/6W
R039	1-249-433-11	CARBON 22K 5%	1/6W	R335	1-247-823-00	CARBON 470 5%	1/6W
R040	1-247-153-00	CARBON 100K 5%	1/6W	R336	1-247-823-00	CARBON 470 5%	1/6W
R041	1-249-441-11	CARBON 100K 5%	1/6W	R337	1-247-823-00	CARBON 470 5%	1/6W
R042	1-249-441-11	CARBON 100K 5%	1/6W	R338	1-247-823-00	CARBON 470 5%	1/6W
R043	1-249-433-11	CARBON 22K 5%	1/6W	R339	1-247-823-00	CARBON 470 5%	1/6W
R044	1-247-725-11	CARBON 10K 5%	1/4W	R340	1-247-869-00	CARBON 39K 5%	1/6W
R045	1-247-719-11	CARBON 3.3K 5%	1/4W	R341	1-247-169-00	CARBON 39K 5%	1/4W
R046	1-249-434-11	CARBON 27K 5%	1/6W	R342	1-247-859-00	CARBON 15K 5%	1/6W
R047	1-249-429-11	CARBON 10K 5%	1/6W	R343	1-247-853-00	CARBON 8.2K 5%	1/6W
R048	1-249-425-11	CARBON 4.7K 5%	1/6W	R344	1-247-875-00	CARBON 68K 5%	1/6W
R049	1-249-441-11	CARBON 100K 5%	1/6W	R345	1-247-875-00	CARBON 68K 5%	1/6W
R050	1-247-725-11	CARBON 10K 5%	1/4W	R346	1-249-429-11	CARBON 10K 5%	1/6W
R051	1-249-441-11	CARBON 100K 5%	1/6W	R347	1-249-421-11	CARBON 2.2K 5%	1/6W
R052	1-247-851-00	CARBON 6.8K 5%	1/6W				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R349	1-247-885-00	CARBON	180K 5% 1/6W	R460	1-247-815-00	CARBON	220 5% 1/6W
R350	1-249-433-11	CARBON	22K 5% 1/6W	R461	1-247-815-00	CARBON	220 5% 1/6W
R351	1-247-873-00	CARBON	56K 5% 1/6W	R462	1-247-815-00	CARBON	220 5% 1/6W
R352	1-247-167-00	CARBON	33K 5% 1/4W	R463	1-247-804-00	CARBON	75 5% 1/6W
R353	1-249-417-11	CARBON	1K 5% 1/6W	R464	1-247-804-00	CARBON	75 5% 1/6W
R355	1-247-859-00	CARBON	15K 5% 1/6W	R465	1-247-804-00	CARBON	75 5% 1/6W
R362	1-249-440-11	CARBON	82K 5% 1/6W	R466	1-247-804-00	CARBON	75 5% 1/6W
R366	1-247-167-00	CARBON	33K 5% 1/4W	R467	1-247-104-00	CARBON	75 5% 1/4W
R370	1-247-851-00	CARBON	6.8K 5% 1/6W	R468	1-247-813-00	CARBON	180 5% 1/6W
R371	1-247-891-00	CARBON	330K 5% 1/6W	R469	1-247-813-00	CARBON	180 5% 1/6W
R381	1-247-163-00	CARBON	22K 5% 1/4W	R470	1-247-713-11	CARBON	1K 5% 1/4W
R382	1-249-429-11	CARBON	10K 5% 1/6W	R471	1-249-441-11	CARBON	100K 5% 1/6W
R383	1-247-895-00	CARBON	470K 5% 1/6W	R472	1-249-429-11	CARBON	10K 5% 1/6W
R384	1-249-419-11	CARBON	1.5K 5% 1/6W	R473	1-247-815-00	CARBON	220 5% 1/6W
R401	1-247-823-00	CARBON	470 5% 1/6W	R474	1-247-704-11	CARBON	220 5% 1/4W
R402	1-247-881-00	CARBON	120K 5% 1/6W	R478	1-247-815-00	CARBON	220 5% 1/6W
R403	1-247-903-00	CARBON	1M 5% 1/6W	R479	1-249-405-11	CARBON	100 5% 1/6W
R404	1-249-429-11	CARBON	10K 5% 1/6W	R480	1-249-405-11	CARBON	100 5% 1/6W
R405	1-247-843-00	CARBON	3.3K 5% 1/6W	R481	1-249-405-11	CARBON	100 5% 1/6W
R406	1-247-849-00	CARBON	5.6K 5% 1/6W	R482	1-249-405-11	CARBON	100 5% 1/6W
R407	1-249-429-11	CARBON	10K 5% 1/6W	R483	1-249-405-11	CARBON	100 5% 1/6W
R409	1-247-897-00	CARBON	560K 5% 1/6W	R484	1-247-700-11	CARBON	100 5% 1/4W
R410	1-249-433-11	CARBON	22K 5% 1/6W	R485	1-249-422-11	CARBON	2.7K 5% 1/6W
R411	1-216-430-11	METAL OXIDE	390 5% 1W	R486	1-249-440-11	CARBON	82K 5% 1/6W
R412	1-249-421-11	CARBON	2.2K 5% 1/6W	R487	1-247-875-00	CARBON	68K 5% 1/6W
R413	1-247-853-00	CARBON	8.2K 5% 1/6W	R488	1-246-541-00	CARBON	680K 5% 1/4W
R414	1-247-859-00	CARBON	15K 5% 1/6W	R489	1-247-885-00	CARBON	180K 5% 1/6W
R415	1-249-417-11	CARBON	1K 5% 1/6W	R491	1-247-843-00	CARBON	3.3K 5% 1/6W
R416	1-247-713-11	CARBON	1K 5% 1/4W	R492	1-247-843-00	CARBON	3.3K 5% 1/6W
R419	1-249-419-11	CARBON	1.5K 5% 1/6W	R493	1-247-843-00	CARBON	3.3K 5% 1/6W
R420	1-247-815-00	CARBON	220 5% 1/6W	R501	1-247-819-00	CARBON	330 5% 1/6W
R421	1-249-421-11	CARBON	2.2K 5% 1/6W	R502	1-247-705-11	CARBON	270 5% 1/4W
R422	1-247-859-00	CARBON	15K 5% 1/6W	R503	1-249-427-11	CARBON	6.8K 5% 1/6W
R423	1-249-429-11	CARBON	10K 5% 1/6W	R504	1-249-440-11	CARBON	82K 5% 1/6W
R424	1-249-437-11	CARBON	47K 5% 1/6W	R505	1-247-843-00	CARBON	3.3K 5% 1/6W
R425	1-247-889-00	CARBON	270K 5% 1/6W	R506	1-247-868-00	CARBON	36K 5% 1/6W
R426	1-249-441-11	CARBON	100K 5% 1/6W	R507	1-249-459-11	CARBON	12K 5% 1/4W
R429	1-247-823-00	CARBON	470 5% 1/6W	R511	1-249-440-11	CARBON	82K 5% 1/6W
R430	1-247-823-00	CARBON	470 5% 1/6W	R512	1-216-440-00	METAL OXIDE	18K 5% 1W
R432	1-247-135-00	CARBON	1.5K 5% 1/4W	R513	1-247-843-00	CARBON	3.3K 5% 1/6W
R438	1-247-163-00	CARBON	22K 5% 1/4W	R514	1-215-460-00	METAL	43K 1% 1/6W
R444	1-247-851-00	CARBON	6.8K 5% 1/6W	R515	1-247-721-11	CARBON	4.7K 5% 1/4W
R445	1-249-429-11	CARBON	10K 5% 1/6W	R517	1-247-859-00	CARBON	15K 5% 1/6W
R446	1-249-429-11	CARBON	10K 5% 1/6W	R519	1-249-425-11	CARBON	4.7K 5% 1/6W
R447	1-247-851-00	CARBON	6.8K 5% 1/6W	R522	1-215-463-00	METAL	56K 1% 1/6W
R448	1-247-713-11	CARBON	1K 5% 1/4W	R524	1-214-783-00	METAL	180K 1% 1/4W
R449	1-247-708-11	CARBON	470 5% 1/4W	R525	1-215-455-00	METAL	27K 1% 1/6W
R450	1-249-417-11	CARBON	1K 5% 1/6W	R526	1-249-435-11	CARBON	33K 5% 1/6W
R451	1-247-873-00	CARBON	56K 5% 1/6W	R527	1-249-422-11	CARBON	2.7K 5% 1/6W
R453	1-249-433-11	CARBON	22K 5% 1/6W	R528	1-247-845-00	CARBON	3.9K 5% 1/6W
R454	1-249-460-11	CARBON	15K 5% 1/4W	R529	1-215-461-00	METAL	47K 1% 1/6W
R455	1-249-460-11	CARBON	15K 5% 1/4W	R530	1-215-373-31	METAL	10 1% 1/6W
R456	1-249-429-11	CARBON	10K 5% 1/6W	R532	1-247-711-11	CARBON	680 5% 1/4W

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Ref.No.	Part No.	Description		Remark	Ref.No.	Part No.	Description	Remark	
R539	1-247-725-11	CARBON	10K 5%	1/4W	RV305	1-230-936-11	RES, VAR, CARBON 10KX4		
R551	1-215-373-31	METAL	10 1%	1/6W	RV306	1-230-936-11	RES, VAR, CARBON 10KX4		
R552	1-247-226-00	CARBON	270 5%	1/2W	RV307	1-230-936-11	RES, VAR, CARBON 10KX4		
R553	1-216-373-11	METAL OXIDE	2.2 5%	2W	RV310	1-230-630-11	RES, ADJ, CARBON 10K	F	
R554	1-215-867-00	METAL OXIDE	470 5%	1W	RV401	1-230-631-11	RES, ADJ, CARBON 22K	F	
R801	1-247-819-00	CARBON	330 5%	1/6W	RV402	1-230-631-11	RES, ADJ, CARBON 22K		
R802	1-249-425-11	CARBON	4.7K 5%	1/6W	RV403	1-230-271-00	RES, ADJ, CARBON 4.7K		
R803	1-205-642-00	CEMENTED	3.3K 10%	5W	RV501	1-228-160-11	RES, ADJ, METAL GLAZE 5K		
R804	1-247-721-11	CARBON	4.7K 5%	1/4W	RV502	1-230-626-41	RES, ADJ, CARBON 470	F	
R807	1-215-867-00	METAL OXIDE	470 5%	1W	RV503	1-230-626-41	RES, ADJ, CARBON 470	F	
R808	1-215-883-11	METAL OXIDE	33 5%	2W	RV505	1-230-936-11	RES, VAR, CARBON 10KX4	F	
R809	1-247-887-00	CARBON	220K 5%	1/6W	RV551	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K		
R811	1-249-435-11	CARBON	33K 5%	1/6W	RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		
R812	1-247-833-00	CARBON	1.2K 5%	1/6W					
R813	1-247-721-11	CARBON	4.7K 5%	1/4W					
R814	1-249-429-11	CARBON	10K 5%	1/6W				F	
R815	1-247-708-11	CARBON	470 5%	1/4W					
R816	1-249-427-11	CARBON	6.8K 5%	1/6W				F	
R819	1-216-429-00	METAL OXIDE	270 5%	1W				F	
R820	1-249-429-11	CARBON	10K 5%	1/6W					
R821	1-202-830-00	SOLID	10K 10%	1/2W					
R822	1-202-814-91	SOLID	33K 10%	1/2W					
R823	1-249-433-11	CARBON	22K 5%	1/6W					
R824	1-216-427-00	METAL OXIDE	120 5%	1W				F	
R825	1-249-402-11	CARBON	56 5%	1/6W				F	
R826	1-249-425-11	CARBON	4.7K 5%	1/6W					
R827	1-247-845-00	CARBON	3.9K 5%	1/6W					
R828	1-249-435-11	CARBON	33K 5%	1/6W					
R829	1-249-421-11	CARBON	2.2K 5%	1/6W				F	
R830	1-215-857-11	METAL OXIDE	10 5%	1W				F	
R832	1-215-882-00	METAL OXIDE	22 5%	2W				F	
R851	1-249-382-11	CARBON	1.2 5%	1/6W				F	
R852	1-217-505-11	FUSIBLE	1K 5%	1W				F	
R853	1-249-377-11	CARBON	0.47 5%	1/6W				F	
R854	1-249-377-11	CARBON	0.47 5%	1/6W				F	
R855	1-202-830-00	SOLID	10K 10%	1/2W					
R856	1-247-151-00	CARBON	6.8K 5%	1/4W					
R857	1-246-527-00	CARBON	180K 5%	1/4W					
R858	1-247-849-00	CARBON	5.6K 5%	1/6W					
R859	1-215-866-11	METAL OXIDE	330 5%	1W				F	
R860	1-247-883-00	CARBON	150K 5%	1/6W					
R4001	1-247-815-00	CARBON	220 5%	1/6W					
R4002	1-249-415-11	CARBON	680 5%	1/6W					
R4003	1-249-421-11	CARBON	2.2K 5%	1/6W					
R4004	1-249-417-11	CARBON	1K 5%	1/6W					
R4005	1-249-417-11	CARBON	1K 5%	1/6W					
R4006	1-249-417-11	CARBON	1K 5%	1/6W					
R4007	1-249-433-11	CARBON	22K 5%	1/6W					
<u>VARIABLE RESISTOR</u>									
RV001	1-230-794-11	RES, VAR, SLIDE	10K						
RV302	1-230-626-41	RES, ADJ, CARBON	470						
RV303	1-230-630-11	RES, ADJ, CARBON	10K						
RV304	1-230-631-11	RES, ADJ, CARBON	22K						
					<u>SWITCH</u>				
	S001	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S002	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S003	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S004	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S005	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S006	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S007	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S008	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S009	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S010	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S011	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S012	1-554-804-11	SWITCH, PUSH (1 KEY)						
	S014	1-554-824-11	SWITCH, PUSH (1 KEY)						
	S015	1-554-804-11	SWITCH, PUSH (1 KEY)						
					<u>SPARK GAP</u>				
	SG801	1-519-063-XX	DISCHARGING GAP						
					<u>TRANSFORMER</u>				
	T301	1-404-524-11	DAT						
	T801	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE						
	T802	1-421-268-00	H.PCT						
	T851	▲ 1-439-311-32	TRANSFORMER ASSY, FLYBACK						
					<u>CRYSTAL</u>				
	X001	1-567-192-11	OSCILLATOR, CERAMIC						
	X301	1-567-504-11	OSCILLATOR, CRYSTAL						
					<u>MODULE</u>				
	YCM301	1-235-833-11	YC MODULE						

	*A-1245-321-A	F BOARD, COMPLETE							

	*4-363-404-00	HOLDER, IC							

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F

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>CAPACITOR</u>				<u>FUSE</u>			
C601	△ 1-136-482-51	FILM	0.1MF	20%	250V	F601	△ 1-532-237-11 FUSE, TIME-LAG 3.15A/250V
C602	1-161-964-00	CERAMIC	0.0047MF		250V	1-533-189-11	HOLDER, FUSE, F601
C603	1-161-964-00	CERAMIC	0.0047MF		250V	<u>IC</u>	
C604	1-161-964-00	CERAMIC	0.0047MF		250V	IC601	8-759-100-75 IC UPC1394C
C605	1-125-318-00	ELECT (BLOCK)	220MF	20%	400V	<u>COIL</u>	
C606	1-136-065-00	FILM	0.0027MF	3%	2KV	L601	1-408-225-00 MICRO INDUCTOR 3.3UH
C607	1-102-030-00	CERAMIC	330PF	10%	500V	L602	1-408-225-00 MICRO INDUCTOR 3.3UH
C608	1-123-024-00	ELECT	33MF		160V	L603	1-407-365-00 COIL, CHOKE
C609	1-124-479-11	ELECT	330MF	20%	25V	L604	1-408-225-00 MICRO INDUCTOR 3.3UH
C610	1-102-030-00	CERAMIC	330PF	10%	500V	L605	1-459-215-00 CORE COIL
C611	1-124-445-00	ELECT	100MF	20%	16V	<u>TRANSISTOR</u>	
C612	1-108-688-91	MYLAR	0.0047MF	10%	200V	Q601	8-729-206-04 TRANSISTOR 2SD1554-LB
C613	1-102-030-00	CERAMIC	330PF	10%	500V	Q602	8-729-195-82 TRANSISTOR 2SC2958
C614	1-124-929-11	ELECT	22MF	20%	100V	Q604	8-729-178-54 TRANSISTOR 2SC2785
C615	1-161-973-00	CERAMIC	220PF	10%	400V	<u>RESISTOR</u>	
C616	1-162-578-00	CERAMIC	0.0047MF	20%	400V	R601	1-205-806-00 CEMENTED 330 5% 20W
C617	1-124-927-11	ELECT	4.7MF	20%	100V	R602	1-205-687-00 CEMENTED 54K 10% 7W
C617B	1-101-003-00	CERAMIC	0.0047MF		50V	R603	1-215-929-11 METAL OXIDE 100K 5% 3W F
C618	1-101-005-00	CERAMIC	0.022MF		50V	R604	1-247-805-00 CARBON 82 5% 1/6W
C619	1-124-907-00	ELECT	10MF	20%	50V	R605	1-247-851-00 CARBON 6.8K 5% 1/6W
C620	1-108-849-00	MYLAR	0.1MF	10%	50V	R606	1-247-889-00 CARBON 270K 5% 1/6W
C621	1-106-180-00	MYLAR	0.0022MF	5%	100V	R607	1-215-896-00 METAL OXIDE 4.7K 5% 2W F
C622	1-124-904-00	ELECT	2.2MF	20%	50V	R608	1-215-896-00 METAL OXIDE 4.7K 5% 2W F
C623	1-102-110-00	CERAMIC	220PF	10%	50V	R610	1-247-869-00 CARBON 39K 5% 1/6W
C624	1-123-816-00	ELECT	10MF	20%	50V	R611	1-249-437-11 CARBON 47K 5% 1/6W
C625	1-161-973-00	CERAMIC	220PF	10%	400V	R612	1-247-819-00 CARBON 330 5% 1/6W
C626	1-102-038-00	CERAMIC	0.001MF		500V	R613	1-249-437-11 CARBON 47K 5% 1/6W
C627	1-108-837-00	MYLAR	0.01MF	10%	50V	R614	1-247-903-00 CARBON 1M 5% 1/6W
C630	1-102-820-00	CERAMIC	330PF	5%	50V	R615	1-249-434-11 CARBON 27K 5% 1/6W
C633	1-123-024-00	ELECT	33MF		160V	R616	1-249-429-11 CARBON 10K 5% 1/6W
C634	1-162-578-00	CERAMIC	0.0047MF	20%	400V	R617	1-247-840-00 CARBON 2.4K 5% 1/6W
C637	△ 1-136-360-51	FILM	0.22MF	20%	250V	R618	1-249-437-11 CARBON 47K 5% 1/6W
C641	1-102-074-00	CERAMIC	0.001MF	10%	50V	<u>DIODE</u>	
<u>DIODE</u>				<u>CONNECTOR</u>			
R619	1-249-429-11	CARBON	10K	5%	1/6W	D601	8-719-503-06 DIODE S
R620	1-249-441-11	CARBON	100K	5%	1/6W	D603	8-719-925-06 DIODE E
R621	1-247-712-11	CARBON	820	5%	1/4W	D604	8-719-901-93 DIODE V
R622	1-247-815-00	CARBON	220	5%	1/6W	D605	8-719-110-41 DIODE R
R623	1-247-891-00	CARBON	330K	5%	1/6W	D606	8-719-300-76 DIODE R
R624	1-247-717-11	CARBON	2.2K	5%	1/4W	D607	8-719-109-93 DIODE R
R625	1-247-289-00	CARBON	8.2M	5%	1W	D608	8-719-300-76 DIODE R
R626	1-249-433-11	CARBON	22K	5%	1/6W	D611	8-719-200-02 DIODE 1
R627	1-217-197-11	WIREWOUND	0.56	10%	2W F	D612	8-719-901-93 DIODE V
R628	1-244-943-00	CARBON	820K	5%	1/2W	D613	8-719-911-19 DIODE 1
R629	1-249-441-11	CARBON	100K	5%	1/6W	<u>CONNECTOR</u>	
R631	1-205-763-00	CEMENTED	3.3	10%	10W F	F1	*1-508-767-00 5P PLUG
R632	1-202-733-00	SOLID	15M	10%	1/2W	F3	*1-508-786-00 2P PLUG
R633	1-247-829-00	CARBON	820	5%	1/6W	F4	*1-506-349-21 3P PLUG

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>VARIABLE RESISTOR</u>				<u>IF BLOCK</u>			
RV601	1-230-231-11	RES, ADJ, CERAMIC CARBON 2.2K		IF201	1-464-583-11	IF BLOCK (IFB-395)	
<u>TRANSFORMER</u>				<u>COIL</u>			
T601	▲ 1-421-582-11	TRANSFORMER, FERRITE		L152	1-408-418-00	MICRO INDUCTOR 56UH	
T602	▲ 1-448-575-11	S.R.T (CONVERTER TRANSFORMER)		L201	1-408-397-00	MICRO INDUCTOR 1UH	
T603	1-446-194-00	TRANSFORMER, CHOPPER DRIVE		<u>TRANSISTOR</u>			
<u>THERMISTOR</u>				Q157	8-729-178-54	TRANSISTOR 2SC2785	
THP601	▲ 1-806-165-11	THERMISTOR (POSITIVE)		Q201	8-729-212-02	TRANSISTOR 2SC2120-Y	
*****				Q202	8-729-117-54	TRANSISTOR 2SA1175	
*****				Q251	8-729-378-84	TRANSISTOR 2SD788	
*****				<u>RESISTOR</u>			
*A-1296-127-A A BOARD, COMPLETE				R152	1-249-433-11	CARBON 22K 5% 1/6W	
*****				R154	1-249-429-11	CARBON 10K 5% 1/6W	
<u>CONNECTOR</u>				R155	1-249-437-11	CARBON 47K 5% 1/6W	
A4	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		R156	1-247-167-00	CARBON 33K 5% 1/4W	
A5	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		R157	1-247-891-00	CARBON 330K 5% 1/6W	
A6	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		R158	1-247-897-00	CARBON 560K 5% 1/6W	
<u>CAPACITOR</u>				R159	1-247-708-11	CARBON 470 5% 1/4W	
C151	1-106-220-00	MYLAR 0.1MF 10% 100V		R201	1-247-713-11	CARBON 1K 5% 1/4W	
C152	1-124-902-00	ELECT 0.47MF 20% 50V		R202	1-249-435-11	CARBON 33K 5% 1/6W	
C153	1-123-617-00	ELECT 10MF 20% 16V		R203	1-249-435-11	CARBON 33K 5% 1/6W	
04	1-249-425-11	CARBON 4.7K 5% 1/6W		C156	1-124-445-00	ELECT 100MF 20% 16V	
05	1-249-433-11	CARBON 22K 5% 1/6W		C158	1-108-849-00	MYLAR 0.1MF 10% 50V	
06	1-249-417-11	CARBON 1K 5% 1/6W		C159	1-108-599-00	MYLAR 0.068MF 10% 50V	
07	1-249-417-11	CARBON 1K 5% 1/6W		C160	1-124-896-00	ELECT 33MF 20% 16V	
08	1-249-417-11	CARBON 1K 5% 1/6W		C201	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
09	1-249-405-11	CARBON 100 5% 1/6W		C202	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
20	1-249-393-11	CARBON 10 5% 1/6W F		C203	1-124-903-00	ELECT 1MF 20% 50V	
51	1-247-819-00	CARBON 330 5% 1/6W		C204	1-124-896-00	ELECT 33MF 20% 16V	
52	1-249-433-11	CARBON 22K 5% 1/6W		C205	1-123-321-00	ELECT 220MF 20% 16V	
53	1-249-421-11	CARBON 2.2K 5% 1/6W		C206	1-123-332-00	ELECT 47MF 20% 16V	
54	1-249-447-11	CARBON 1 5% 1/4W		C251	1-124-555-00	ELECT 1000MF 20% 16V	
55	1-217-430-00	FUSIBLE 4.7 5% 1/2W F		C252	1-102-119-00	CERAMIC 0.0015MF 10% 50V	
59	1-247-163-00	CARBON 22K 5% 1/4W		C253	1-124-904-00	ELECT 2.2MF 20% 50V	
50	1-247-713-11	CARBON 1K 5% 1/4W		C254	1-123-332-00	ELECT 47MF 20% 16V	
<u>TUNER</u>				C255	1-124-475-11	ELECT 470MF 20% 16V	
151	▲ 1-463-593-11	TUNER, ET (BT-882A)		C256	1-108-849-00	MYLAR 0.1MF 10% 50V	
*****				C259	1-124-904-00	ELECT 2.2MF 20% 50V	
*****				C260	1-124-445-00	ELECT 100MF 20% 16V	
*A-1330-685-A C BOARD, COMPLETE				C261	1-102-074-00	CERAMIC 0.001MF 10% 50V	
*****				<u>DIODE</u>			
1-526-819-11	SOCKET, CRT			D201	8-719-110-17	DIODE RD10ES-B2	
*4-374-912-01	COVER (MAIN), CV VOL			D202	8-719-109-60	DIODE RD2.7ES-B2	
*4-374-913-01	COVER (REAR LID), CV VOL			<u>IC</u>			
<u>CONNECTOR</u>				IC251	8-759-101-77	IC UPC1241H	
*1-506-371-00	2P PLUG (L)						

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C

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C2	*1-508-786-00	2P PLUG (M)		RV706	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
C3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		RV707	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
C4	*1-508-765-00	3P PLUG (M)		RV708	1-230-798-11	RES, ADJ, METAL GLAZE 90M	
				RV709	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
<u>CAPACITOR</u>				*****			
C702	1-102-114-00	CERAMIC	470PF 10% 50V	MISCELLANEOUS			
C703	1-102-111-00	CERAMIC	270PF 10% 50V	*****			
C704	1-102-112-00	CERAMIC	330PF 10% 50V	1-452-032-00	MAGNET, DISK; 10MM ϕ		
C705	1-162-116-00	CERAMIC	680PF 10% 2KV	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ		
C706	1-129-714-00	FILM	0.01MF 10% 630V	1-452-277-00	MAGNET, BMC		
<u>COIL</u>				SP901	1-503-344-21	SPEAKER	
L704	1-408-452-31	MICRO INDUCTOR 68UH		Δ 1-536-683-11	CONNECTOR, COAXIAL ANTENNA		
<u>TRANSISTOR</u>				*1-555-111-61	CABLE, PIN		
Q701	8-729-326-11	TRANSISTOR 2SC2611		Δ 1-557-124-12	CORD, AC (3 CORE)		
Q702	8-729-326-11	TRANSISTOR 2SC2611		L901	Δ 1-426-145-13	COIL, DEGAUSSING	
Q703	8-729-326-11	TRANSISTOR 2SC2611		L902	Δ 1-451-249-31	DEFLECTION YOKE (SY-125B)	
<u>RESISTOR</u>				S901	Δ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)	
R701	1-249-422-11	CARBON	2.7K 5% 1/6W	V901	Δ 8-735-553-05	CRT (A34JBU10X)	
R703	1-247-817-00	CARBON	270 5% 1/6W	*****			
R704	1-247-843-00	CARBON	3.3K 5% 1/6W	ACCESSORIES AND PACKING MATERIALS			
R705	1-202-824-00	SOLID	3.3K 10% 1/2W	*****			
R706	1-216-463-00	METAL OXIDE	12K 5% 2W F	Part No.	Description	Remark	
R707	1-247-837-00	CARBON	1.8K 5% 1/6W	1-501-329-11	ANTENNA, TELESCOPIC		
R708	1-247-821-00	CARBON	390 5% 1/6W	1-513-382-00	ANTENNA MUTCHING		
R709	1-249-414-11	CARBON	560 5% 1/6W	4-374-990-01	CUSHION (UPPER) (ASSY)		
R710	1-247-843-00	CARBON	3.3K 5% 1/6W	4-374-991-01	CUSHION (LOWER) (ASSY)		
R711	1-202-824-00	SOLID	3.3K 10% 1/2W	*4-376-591-01	INDIVIDUAL CARTON		
R712	1-216-463-00	METAL OXIDE	12K 5% 2W F	*4-376-592-01	INDIVIDUAL CARTON		
R713	1-247-837-00	CARBON	1.8K 5% 1/6W	4-482-081-91	MANUAL, INSTRUCTION		
R714	1-247-821-00	CARBON	390 5% 1/6W				
R715	1-249-414-11	CARBON	560 5% 1/6W				
R716	1-247-843-00	CARBON	3.3K 5% 1/6W				
R717	1-202-824-00	SOLID	3.3K 10% 1/2W				
R718	1-216-463-00	METAL OXIDE	12K 5% 2W F				
R719	1-202-842-91	SOLID	220K 10% 1/2W				
R720	1-202-719-00	SOLID	1M 10% 1/2W				
R721	1-216-341-11	METAL OXIDE	0.22 5% 1W F				
R722	1-202-848-00	SOLID	680K 10% 1/2W				
R723	1-202-838-00	SOLID	100K 10% 1/2W				
R724	1-249-419-11	CARBON	1.5K 5% 1/6W				
R731	1-249-405-11	CARBON	100 5% 1/6W				
R732	1-249-405-11	CARBON	100 5% 1/6W				
R733	1-249-405-11	CARBON	100 5% 1/6W				
<u>VARIABLE RESISTOR</u>							
RV701	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K				
RV702	1-228-721-00	RES, ADJ, CERAMIC CARBON	2.2K				
RV703	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K				
RV704	1-228-721-00	RES, ADJ, CERAMIC CARBON	2.2K				
RV705	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K				

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SONY TRINITRON COLOUR TV KV-1440UB

UK Model








Chassis No. SCC-767A-A


XE-5 CHASSIS

SAFETY-RELATED COMPONENT WARNING !!

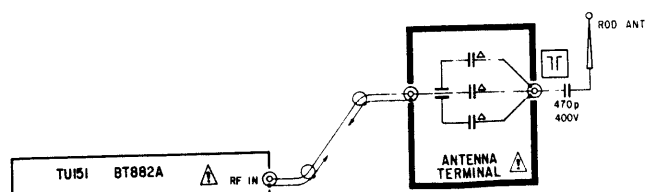
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note:

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








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


SCHEMATIC DIAGRAM

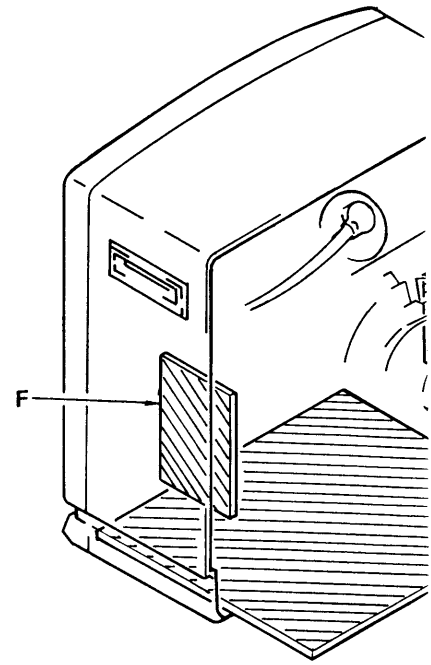


CIRCUIT BOARDS LOCA

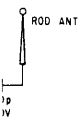
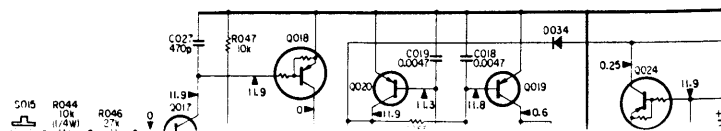
Note:

- All capacitors are in μF unless otherwise noted, pF: $\mu\mu\text{F}$
- 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
k: 1000 Ω ; M: 1000k Ω
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
- All voltage are in V.
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
-  : signal path.

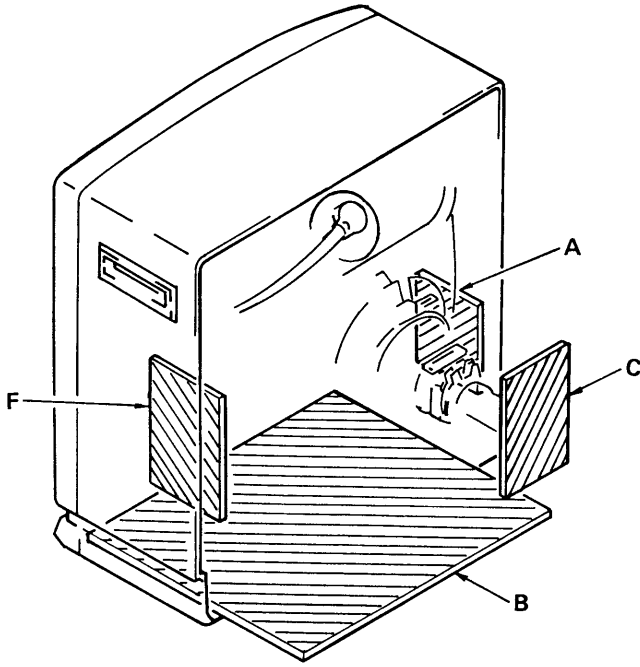
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.



Q017 2SC2785TP [TV/AV-1] Q018 DTA124ES [TV/AV-2] Q020 2SA1175TP [TV/AV-3] Q019 2SA1175TP [TV/AV-4]



CIRCUIT BOARDS LOCATION



SEMICONDUCTORS

CXA1001AP

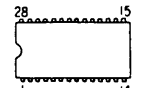


(Top view)

CX20061

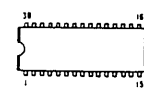


CX20100



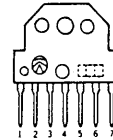
(Top view)

CX531-513P



(Top view)

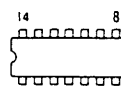
LA7830



LA7920

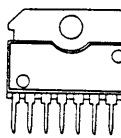


M58658P
μPC1394C

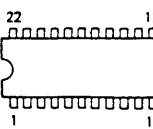


(Top view)

μPC1241H

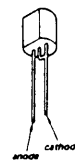


μPC1377C

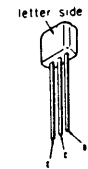


(Top view)

μPC574J



2SA1175
2SC2785



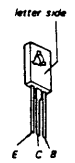
2SC403SP
DTA124ES
DTC124ES
DTC124XS
DTC144ES



2SC2120
2SD788
2SD789



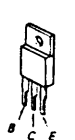
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2SC2688



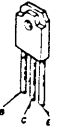
2SC2958



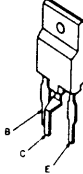
2SD1134



2SD1497-02



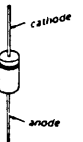
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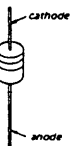
2SK105A



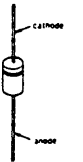
10E3
ES1F
GP08D
RGP10G
RD10E-T2B2
RD10ES-B2
RD11ES-T2B
RD13ES-B1
RD15ES-T2B
RD3.9ES-B1
RD30ES-E2
RD5.6ES-B3
RD6.2ES-B2
RD9.1EW



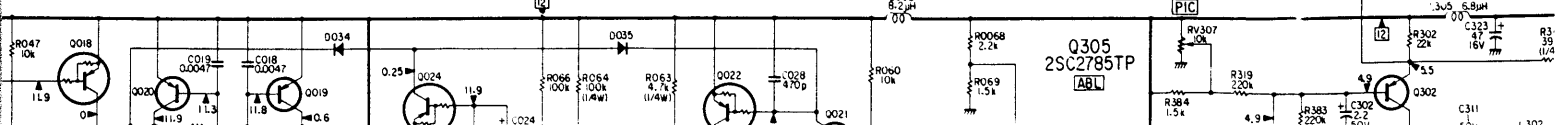
1SS119



EQB01-05
ERC25-06S
RH-1Z

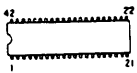


DTA124ES TV-2 Q020 2SA1175TP TV/AV-3 Q019 2SA1175TP TV/AV-4 Q022 DTA124ES TV/AV-6 Q305 2SC2785TP PIC Q302 2SA1175TP PIC CONT D301 ISS119 H.CLAMP



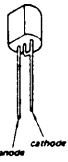
SEMICONDUCTORS

CXA1001AP



(Top view)

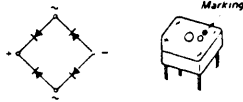
μPC574J



2SD1497-02



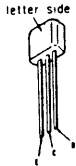
S3WB60Z



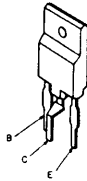
CX20061



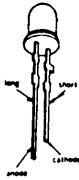
**2SA1175
2SC2785**



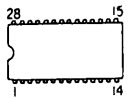
2SD1554-LB



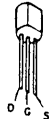
SLH34MC3



CX20100



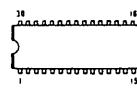
2SK105A



SLP161B



CX531-513P

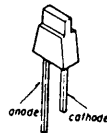


**2SC403SP
DTA124ES
DTC124ES
DTC124XS
DTC144ES**

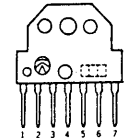


**10E3
ES1F
GP08D
RGP10G
RD10E-T2B2
RD10ES-B2
RD11ES-T2B
RD13ES-B1
RD15ES-T2B
RD3.9ES-B1
RD30ES-E2
RD5.6ES-B3
RD6.2ES-B2
RD9.1EW**

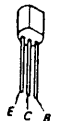
SLP261B



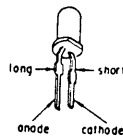
LA7830



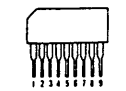
**2SC2120
2SD788
2SD789**



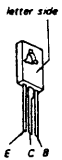
TLR123



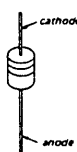
LA7920



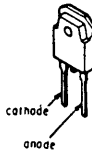
**2SC2611
2SC2688**



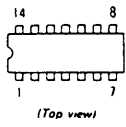
1SS119



V19E



**M58658P
μPC1394C**

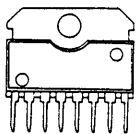


2SC2958

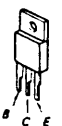


**EQB01-05
ERC25-06S
RH-1Z**

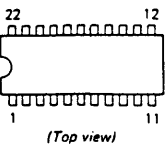
μPC1241H



2SD1134



μPC1377C



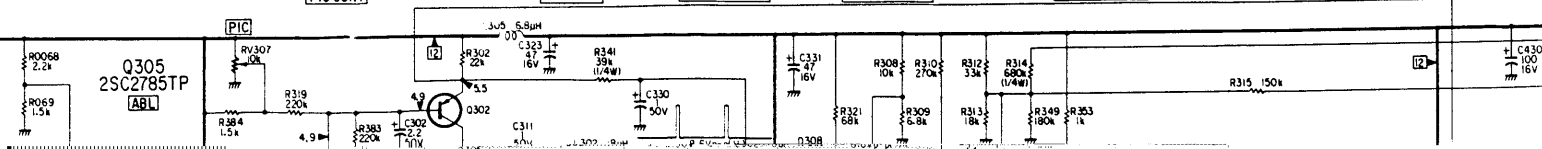
**Q302 2SA1175TP
[PIC CONT]**

**D301 ISS119TG
[H.CLAMP]**

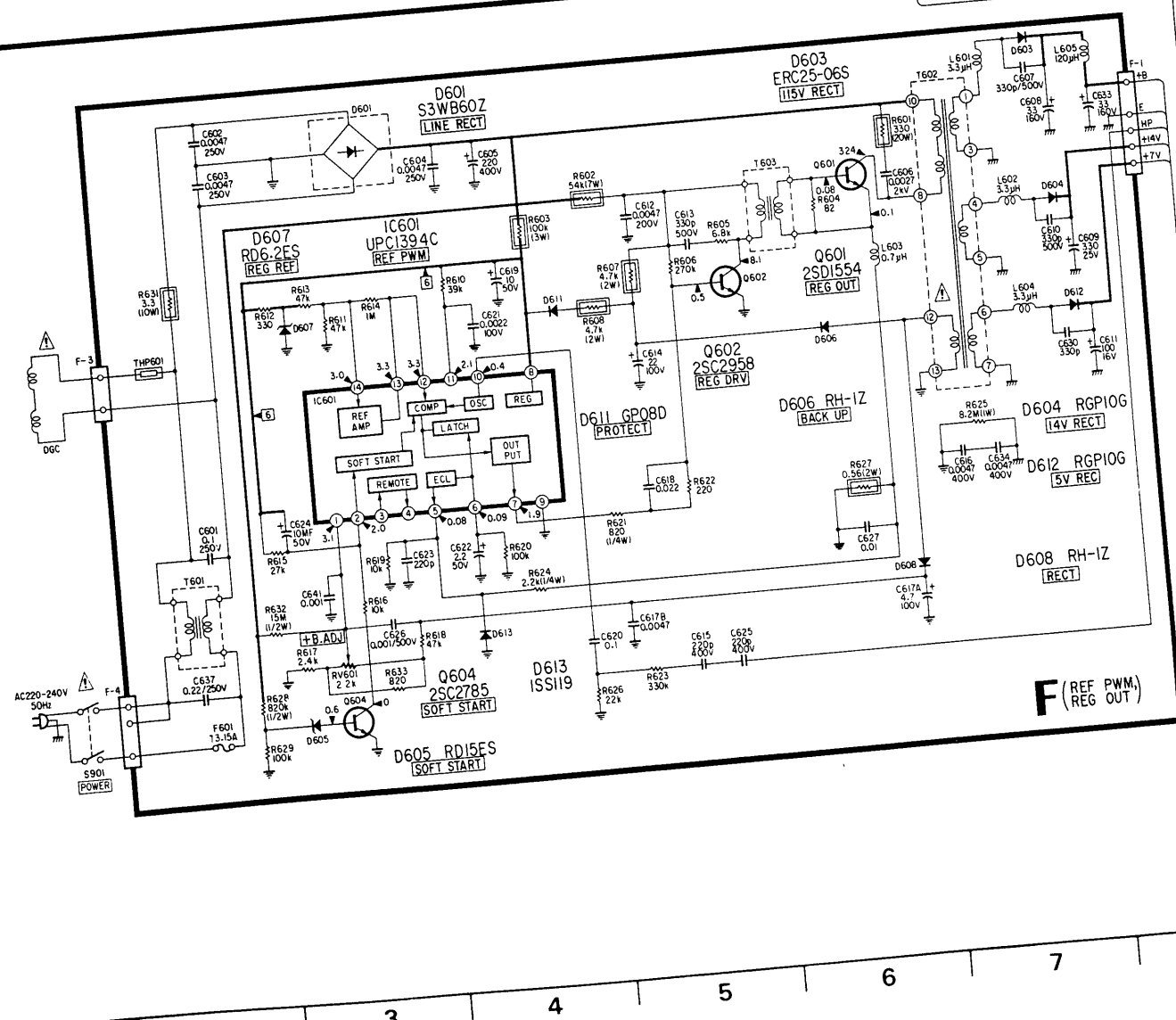
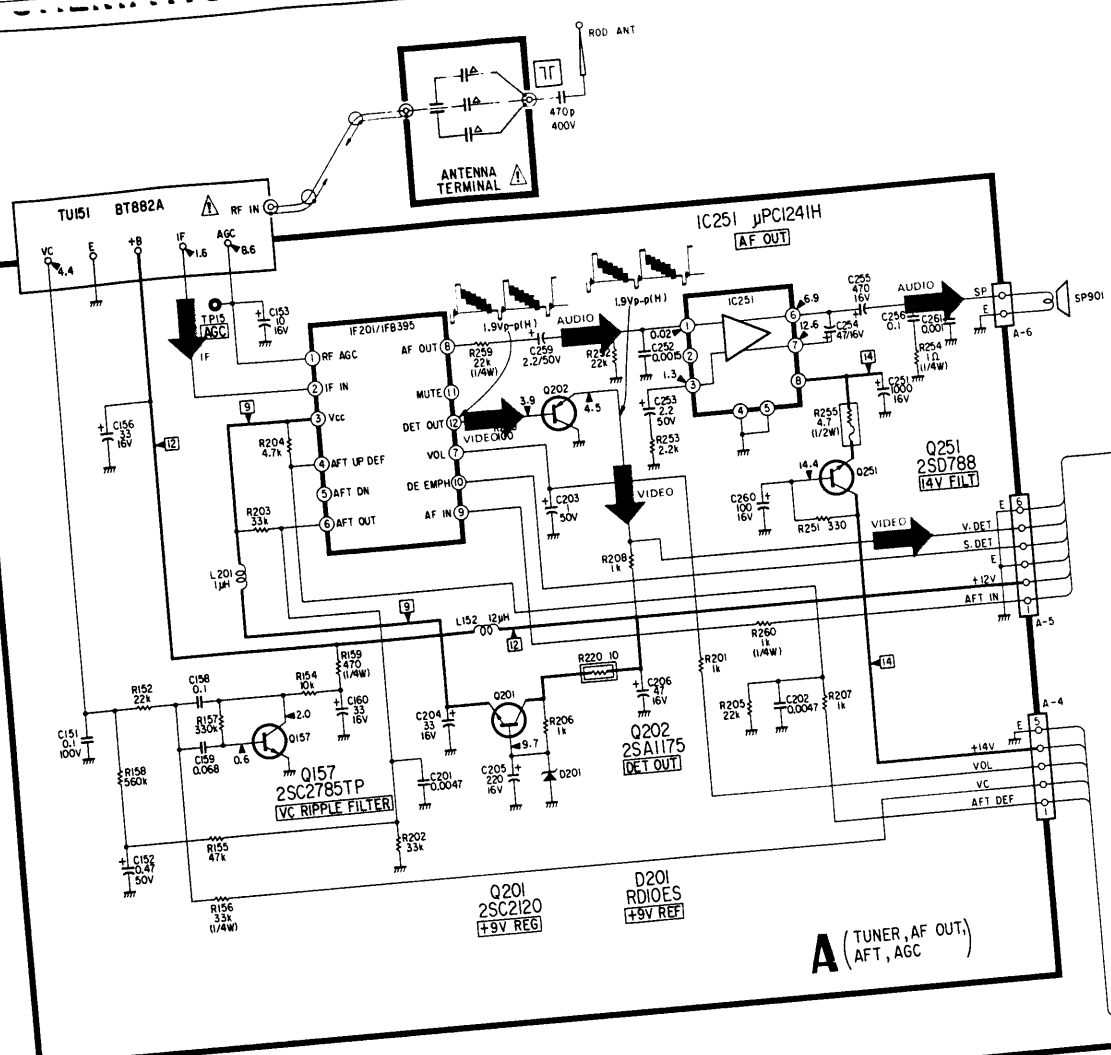
**D302 ISS119TG
[SYNC CLAMP]**

**D308 ISS119TG
[PIC COMPENS]**

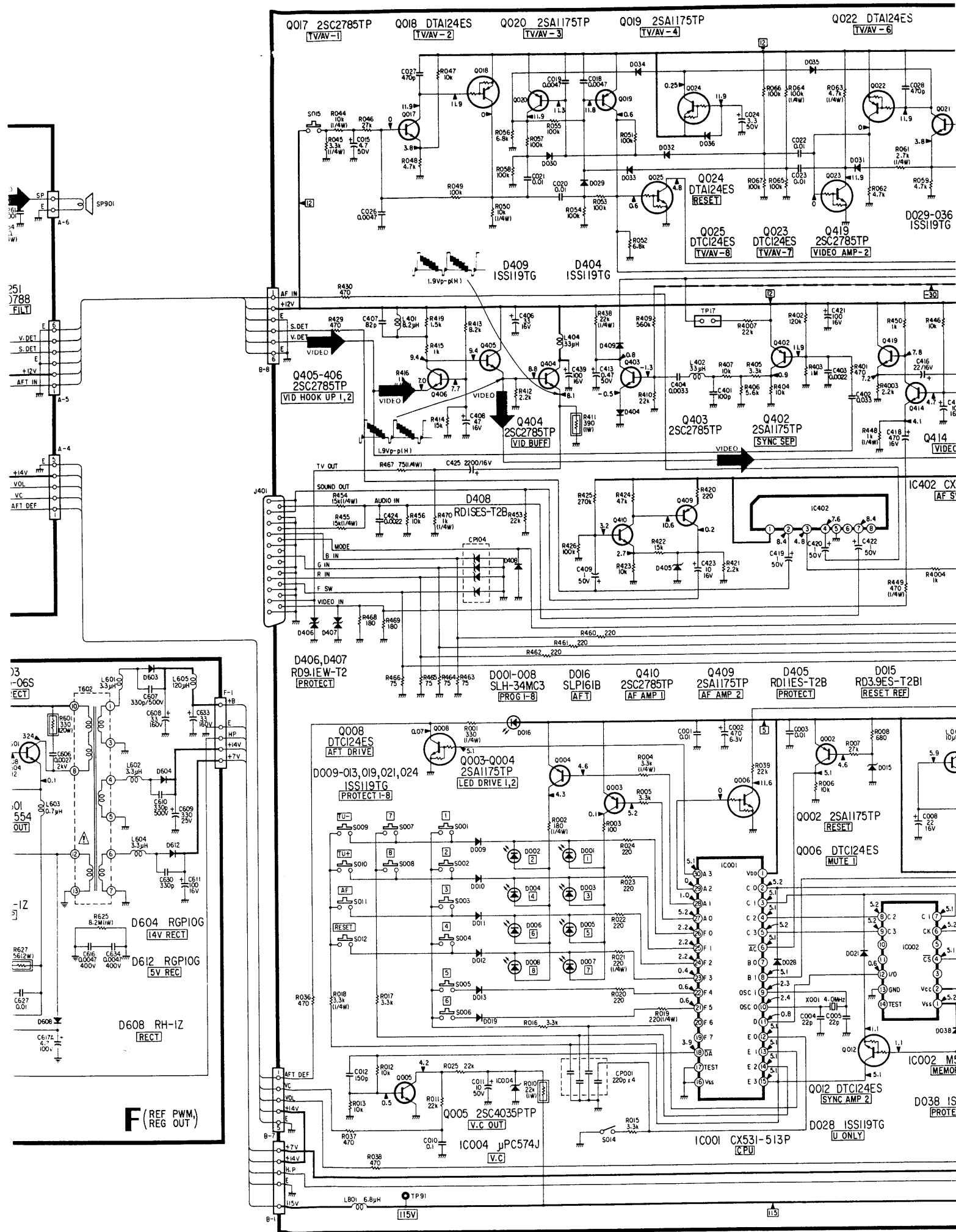
**IC301 CXA1001AP
[Y/C PROCESS]**



K
L
M
N
O
P
Q
R
S
T
U



4 5 6 7



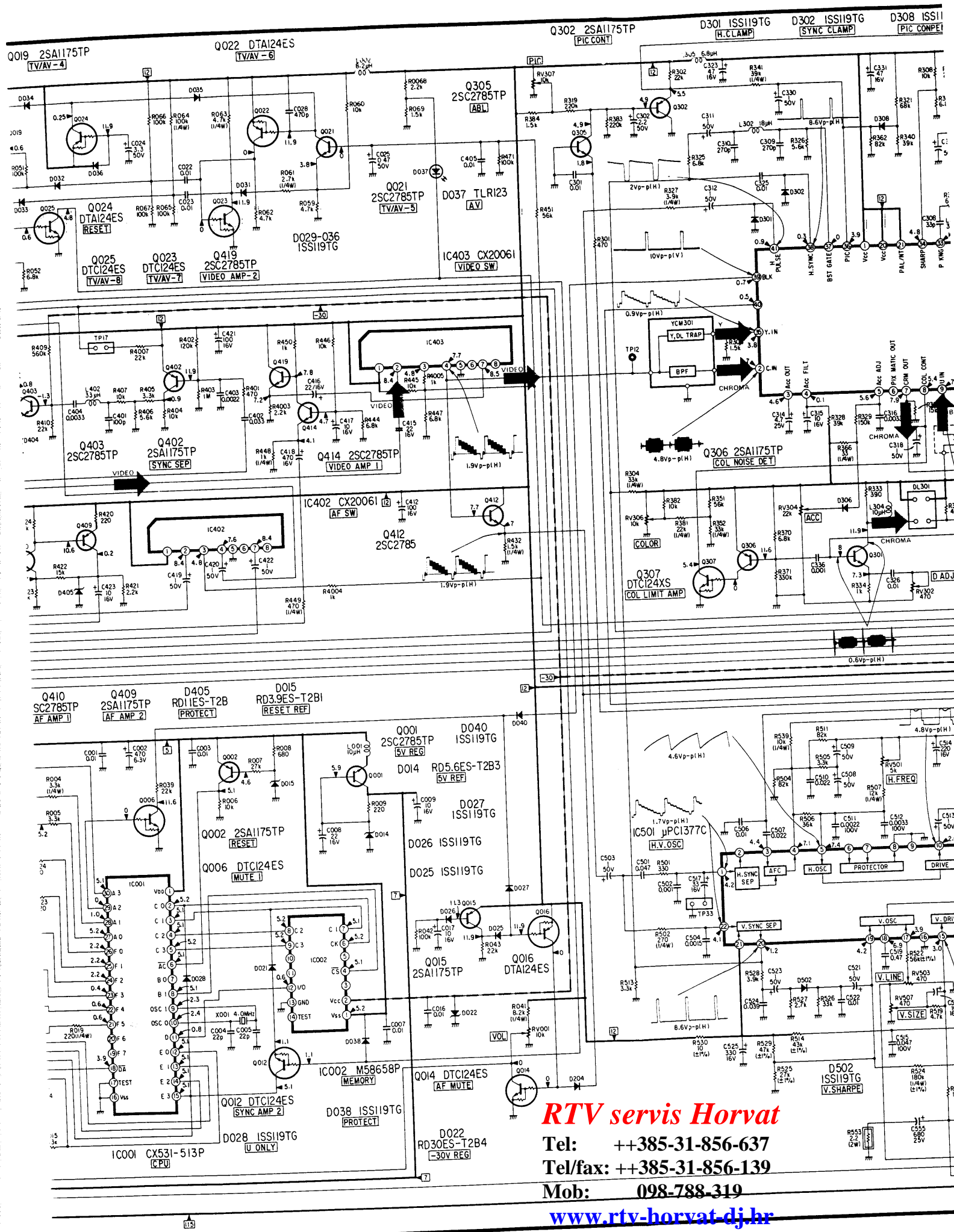
251
788
FILT

03
-06S
ECT

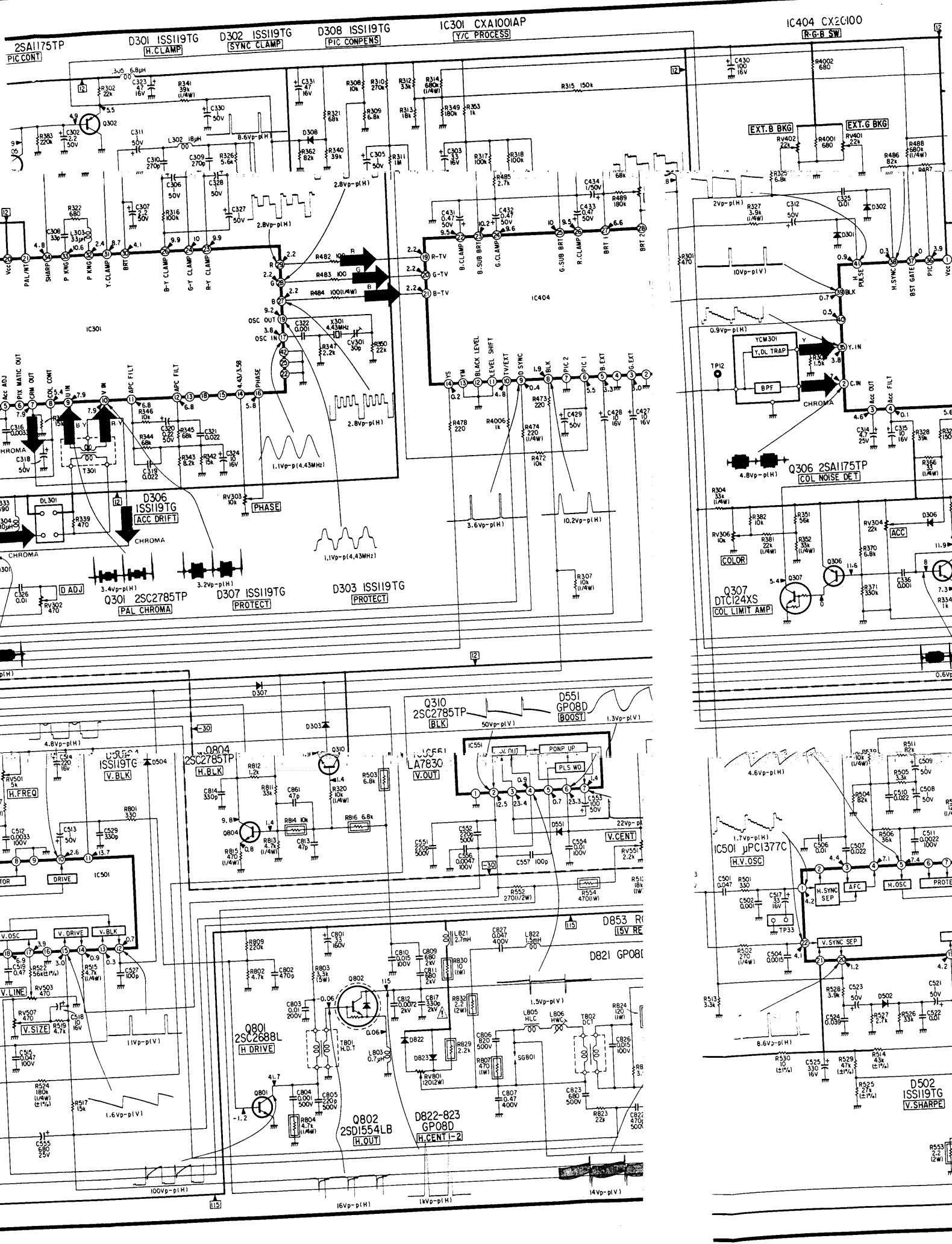
01
554
OUT

-1Z

F (REF PWM)
REG OUT

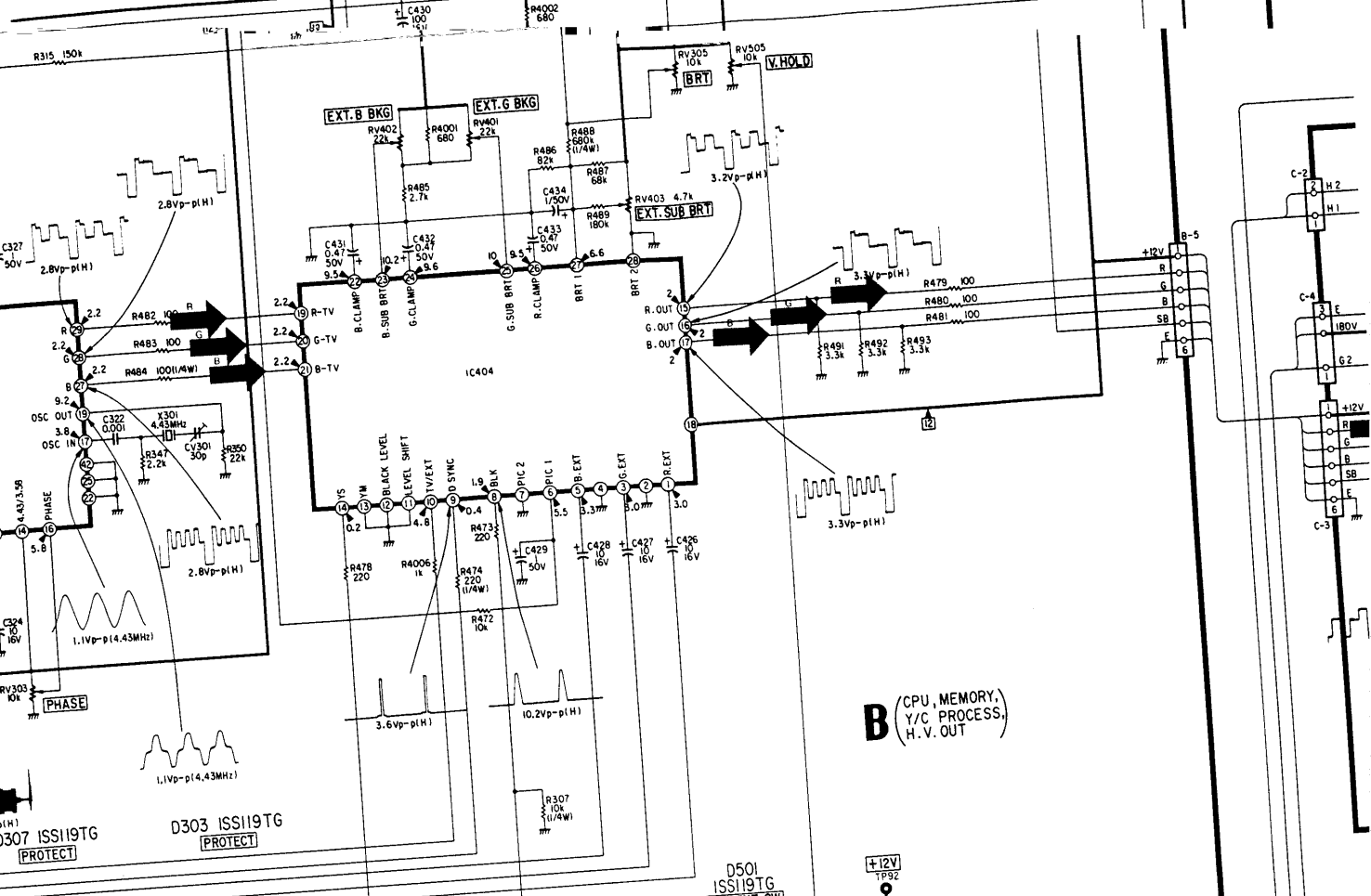


RTV servis Horvat
 Tel: ++385-31-856-637
 Tel/fax: ++385-31-856-139
 Mob: 098-788-319
www.rtv-horvat-dj.hr

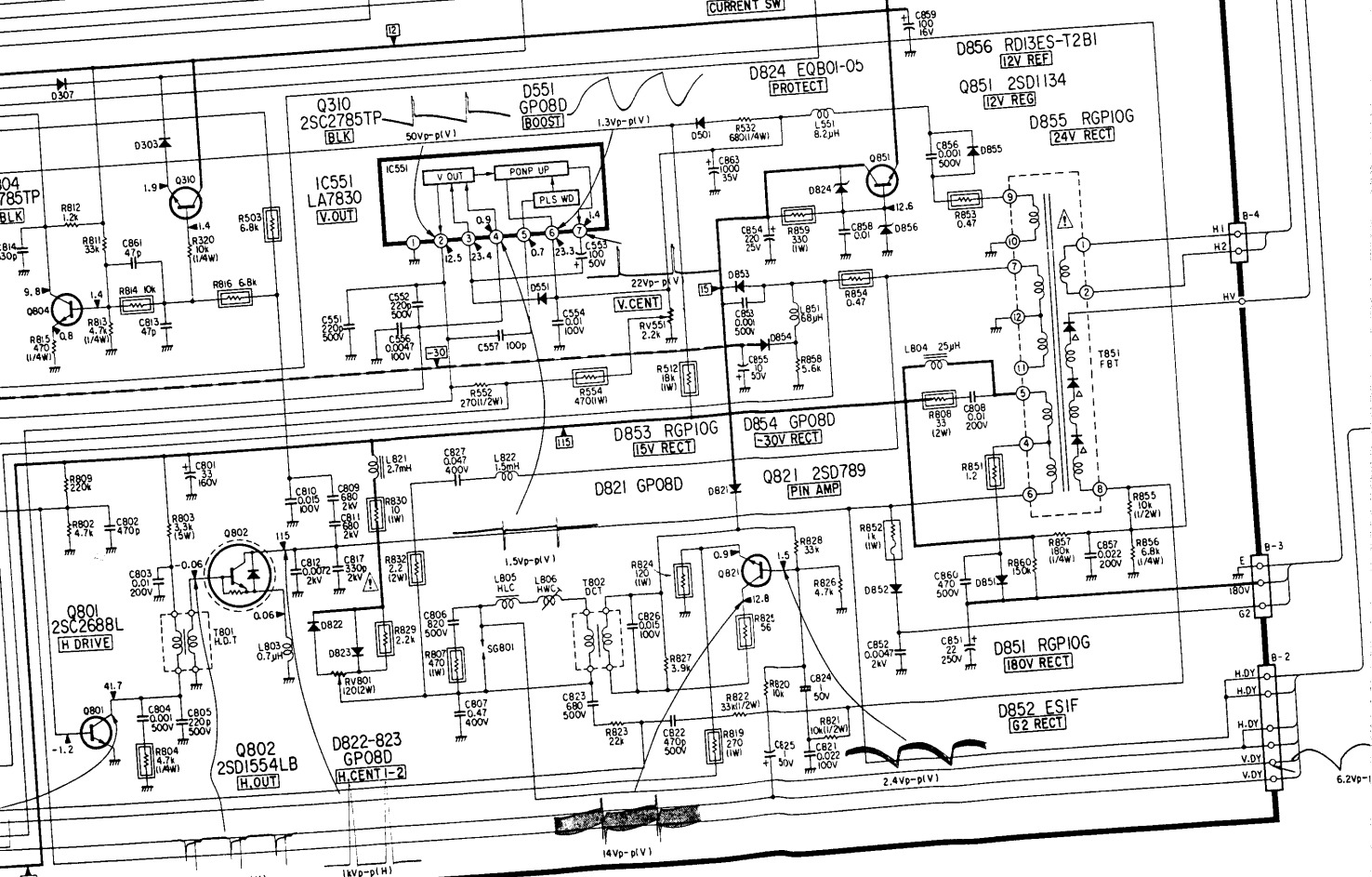


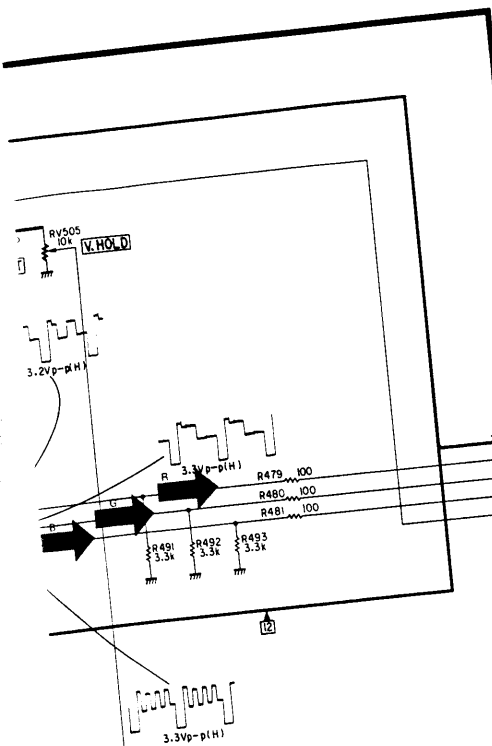
CXA1001AP
PROCESS

IC404 CX2C100
R-G-B SW

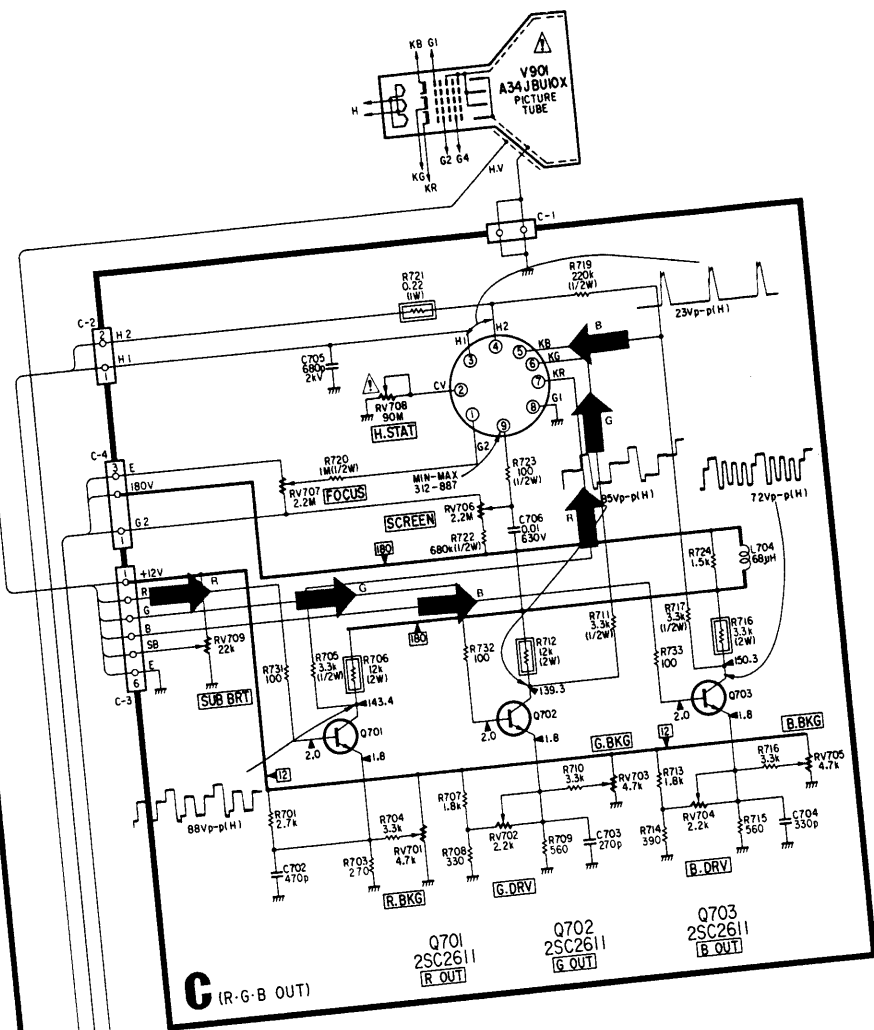


B (CPU, MEMORY,
H.V. OUT
Y/C PROCESS)





B (CPU, MEMORY,
Y/C PROCESS,
H. V. OUT)



C (R-G-B OUT)

