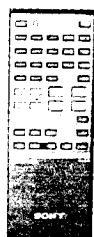


SERVICE MANUAL

UK Model

Chassis No. SCC-659C-A



For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

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October, 1985

XE-4 CHASSIS

SPECIFICATIONS

Television system	British TV standards
Colour system	PAL
Channel coverage	UHF channels 21-68
Programming system	30 programming Automatic programming digital tuning
Picture tube	Trinitron tube Approx. 52 cm (20 inches) 100-degree deflection Trinitron system (Approx. 49 cm screen measured diagonally.)
Antenna	75-ohm standard aerial socket (BS3041/IEC 169-2)
Speaker	Approx. 12 x 7 cm dia. Double cone
Audio output	1.7 W (with 10% harmonic distortion)
Input	21-pin connector
Power requirements	240 V ac, 50 Hz
Power consumption	120 W
Dimensions	Approx. 602 x 447 x 476 mm (w/h/d) (23 ³ / ₄ x 17 ⁵ / ₈ x 18 ³ / ₄ inches)
Weight	Approx. 21.5 kg (47 lbs 6 ozs)
Accessory supplied	RM-641 Remote Commander with 2 batteries (IEC designation R6, AA)

Remote control system	Infrared control
Power requirements	3 V dc Battery size AA x 2 (IEC Battery Designation R6)
Dimensions	Approx. 67 x 19.5 x 175 mm (w/h/d)
Weight	Approx. 155 g
Accessories supplied	Battery size AA (2 pcs.)

Design and specifications are subject to change without notice.



TRINITRON® COLOUR TV
SONY®




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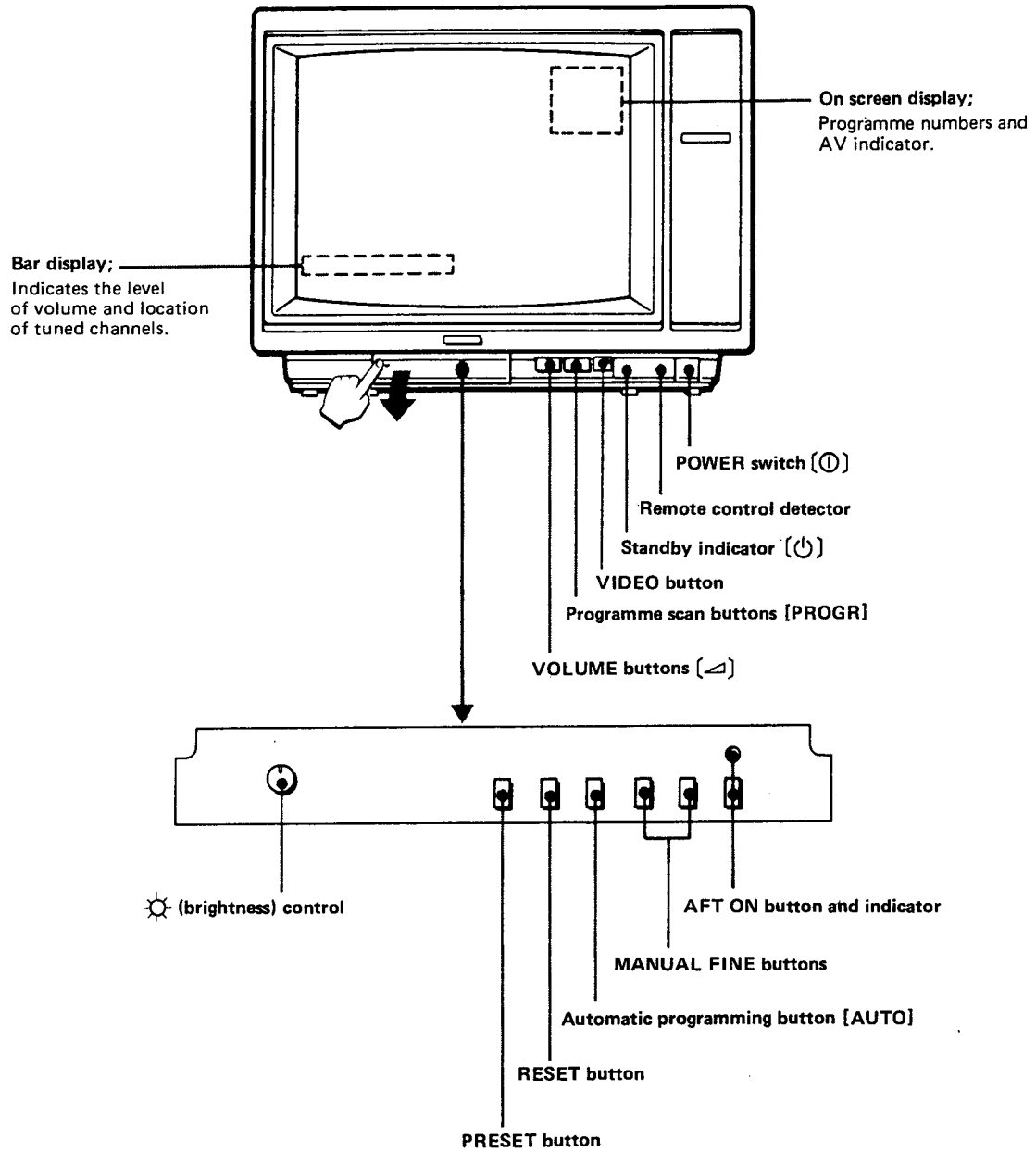
SAFETY-RELATED COMPONENT WARNING !!

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. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

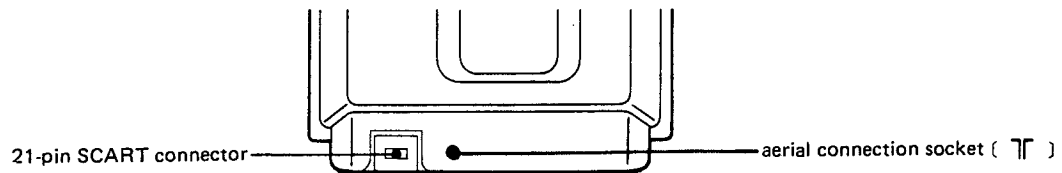
SECTION 1 GENERAL

1-1. LOCATION OF CONTROLS

Front



Rear



SECTION 2

EXPLODED VIEWS

NOTE:

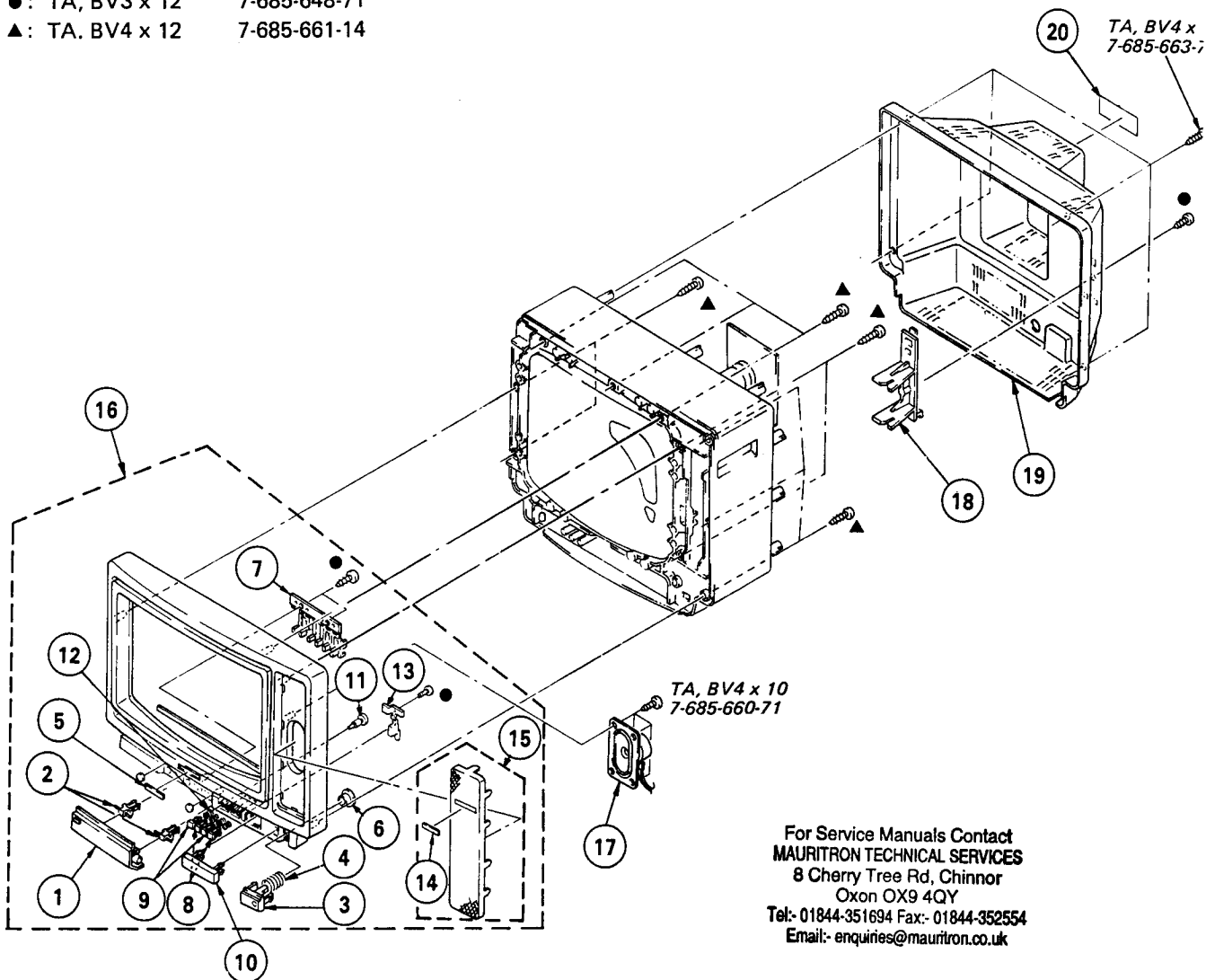
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- 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 **A** are critical for safety. Replace only with part number specified.

2-1. PICTURE TUBE

- : TA, BV3 x 12 7-685-648-71
▲: TA, BV4 x 12 7-685-661-14



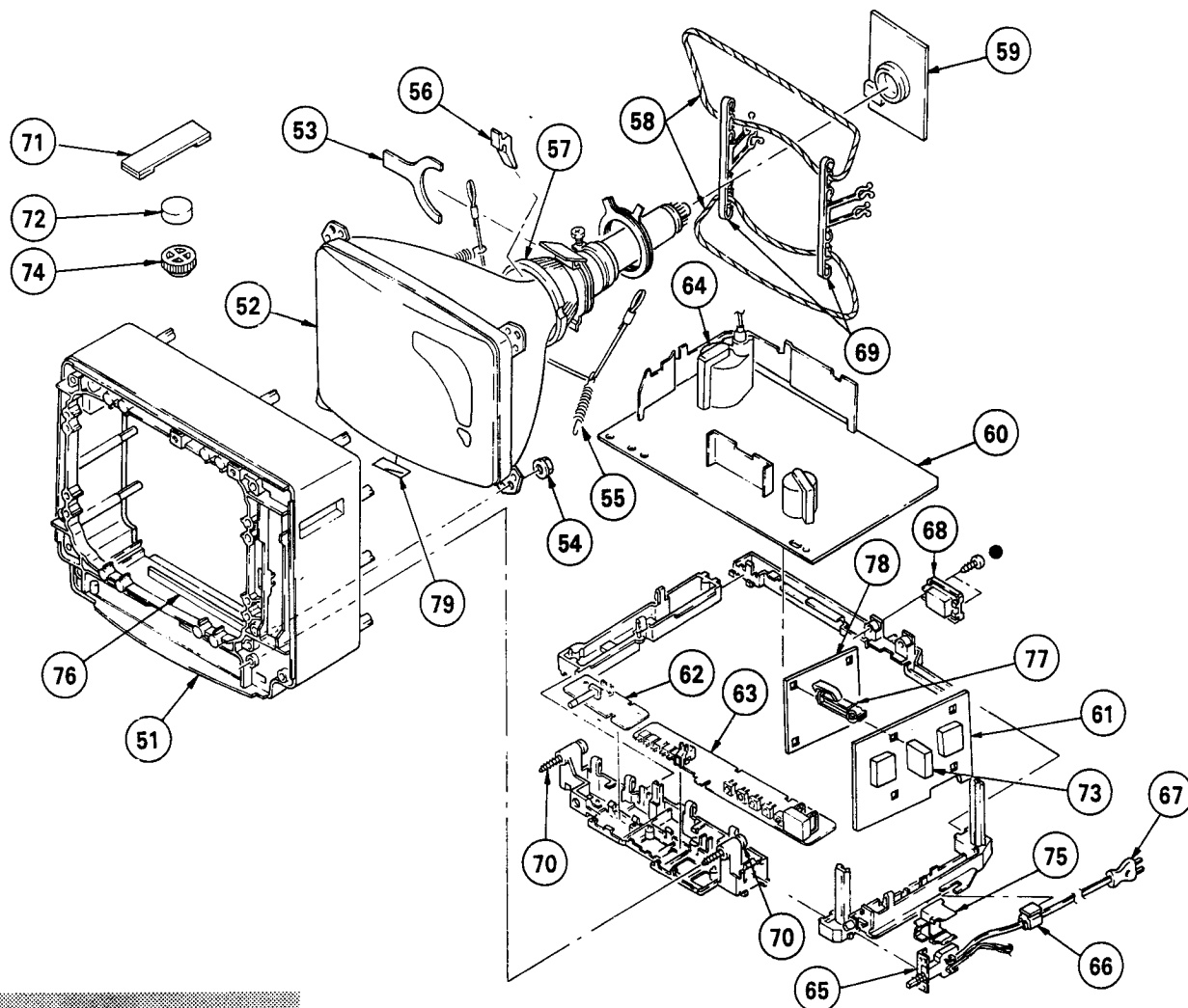
For Service Manuals Contact
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Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@mauritron.co.uk

No.	Part No.	Description
1	4-376-424-01	DOOR, CONTROL
2	3-662-365-00	SHAFT (S), DOOR
3	4-376-411-01	BUTTON, POWER
4	4-367-209-00	SPRING, COMPRESSION
5	4-374-115-01	EMBLEM, SONY
6	*4-376-405-01	STOPPER, BUTTON
7	4-376-412-01	BUTTON (A), MULTI
8	4-376-447-01	PUSH BUTTON (+)
9	4-376-448-01	PUSH BUTTON (-)
10	4-376-454-11	WINDOW, ORNAMENTAL
11	4-376-443-01	STOPPER (A), BUTTON
12	3-561-888-02	SPRING, COMPRESSION

Remark	No.	Part No.	Description	Remark
	13	4-376-449-01	BUTTON, SELECTION	
	14	X-4376-401-1	EMBLEM ASSY, TRINITRON	
	15	X-4376-402-1	GRILLE ASSY, SP	14
	16	X-4376-409-2	BEZEL ASSY	1~15
	17	1-503-396-21	SPEAKER	
	18	4-376-413-01	HOLDER, A PC BOARD	
	19	4-376-428-01	COVER, REAR	
	20	*4-376-462-01	LABEL, MODEL NUMBER (UK)	

2-2. CHASSIS

●: TA, BV3 x 12 7-685-648-71



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

No.	Part No.	Description
51	X-4376-404-1	CABINET ASSY (FOR TEAK)
	X-4376-404-2	CABINET ASSY (FOR GRAY)
52	Δ 8-737-351-05	CRT (A49JLV10X(N))
53	1-452-277-00	MAGNET, BMC
54	4-306-034-00	FLANGE NUT, (B) 5MM
55	*4-374-734-01	SPRING, TENSION
56	3-703-003-00	SPACER, DY
57	Δ 1-451-272-31	DEFLECTION YOKE (SY-140A)
58	Δ 1-426-244-12	COIL, DEMAGNETIZATION
59	*A-1330-608-A	C BOARD, COMPLETE
60	*A-1135-309-A	B BOARD, COMPLETE
61	*A-1295-999-A	A BOARD, COMPLETE
62	*1-615-605-11	H2 BOARD
63	*1-615-604-11	H1 BOARD
64	Δ 1-439-363-21	TRANSFORMER ASSY, FLYBACK

Remark	No.	Part No.	Description	Remark
	65	Δ 1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
	66	Δ 4-368-619-02	HOLDER, AC CORD	
	67	Δ 1-557-124-12	CORD, AC (3 CORE)	
	68	Δ 1-536-683-21	CONNECTOR, COAXIAL ANTENNA	
	69	*4-374-720-01	BAND, COIL, DEGAUSS	
	70	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
	71	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
	72	1-452-032-00	MAGNET, DISK; 10MM ϕ	
	73	Δ 1-463-412-00	TUNER, UHF ET (U341)	
	74	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
	75	*4-373-216-01	CAP, INSULATING, POWER SWITCH	
	76	4-310-778-00	CUSHION (A), CRT	
	77	4-376-452-01	SUPPORT, PC BOARD	
	78	*A-1325-008-A	V BOARD, COMPLETE	
	79	4-372-556-01	CLOTH, BLOTING	

B

SECTION 3

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 PF

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-1135-309-A	B BOARD, COMPLETE *****		C364	1-123-308-00	ELECT 220MF	20% 10V
	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P		C366	1-123-322-00	ELECT 330MF	20% 16V
		CONNECTOR		C372	1-123-318-00	ELECT 33MF	20% 16V
B1	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		C375	1-123-356-00	ELECT 10MF	20% 16V
B2	*1-508-767-00	5P PLUG		C390	1-123-333-00	ELECT 100MF	20% 16V
B3	*1-506-520-11	PLUG, CONNECTOR (PC BOARD) 15P		C391	1-123-333-00	ELECT 100MF	20% 16V
B4	*1-506-518-11	PLUG, CONNECTOR (PC BOARD) 9P		C393	1-101-005-00	CERAMIC 0.022MF	50V
B5	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		C501	1-110-186-81	MYLAR 0.0047MF	10% 400V
B6	*1-506-349-21	3P PLUG (L)		C502	1-136-171-00	FILM 0.33MF	5% 50V
B7	*1-508-765-00	3P PLUG (M)		C503	1-136-171-00	FILM 0.33MF	5% 50V
B8	*1-508-786-00	2P PLUG (M)		C504	1-101-361-00	CERAMIC 150PF	5% 50V
CN301	1-561-534-00	SOCKET 21P		C505	1-123-380-00	ELECT 1MF	20% 50V
D16	*1-508-784-00	1P PLUG		C506	1-123-330-00	ELECT 22MF	20% 16V
D22	*1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		C507	1-110-177-81	MYLAR 0.15MF	10% 100V
F7	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		C508	1-123-356-00	ELECT 10MF	20% 16V
		CAPACITOR		C509	1-123-369-00	ELECT 4.7MF	20% 25V
C300	1-161-379-00	CERAMIC 0.01MF	20% 25V	C510	1-123-333-00	ELECT 100MF	20% 16V
C301	1-101-004-00	CERAMIC 0.01MF	50V	C511	1-123-379-00	ELECT 0.47MF	20% 50V
C305	1-161-055-00	CERAMIC 0.022MF	10% 25V	C512	1-110-175-81	MYLAR 0.1MF	10% 100V
C306	1-161-055-00	CERAMIC 0.022MF	10% 25V	C513	1-103-735-00	POLYSTYRENE 0.0027MF	5% 50V
C307	1-102-529-00	CERAMIC 100PF	5% 50V	C514	1-123-332-00	ELECT 47MF	20% 16V
C308	1-136-173-00	FILM 0.47MF	5% 50V	C515	1-110-175-81	MYLAR 0.1MF	10% 100V
C309	1-110-171-81	MYLAR 0.047MF	10% 100V	C516	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C310	1-136-173-00	FILM 0.47MF	5% 50V	C517	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C311	1-161-013-00	CERAMIC 0.01MF	10% 25V	C518	1-123-333-00	ELECT 100MF	20% 16V
C312	1-161-013-00	CERAMIC 0.01MF	10% 25V	C520	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C313	1-123-324-00	ELECT 1000MF	20% 16V	C521	1-123-380-00	ELECT 1MF	20% 50V
C314	1-161-055-00	CERAMIC 0.022MF	10% 25V	C522	1-110-182-81	MYLAR 0.022MF	10% 250V
C315	1-136-173-00	FILM 0.47MF	5% 50V	C523	1-110-182-81	MYLAR 0.022MF	10% 250V
C316	1-123-381-00	ELECT 2.2MF	20% 50V	C524	1-102-228-00	CERAMIC 470PF	10% 500V
C317	1-161-055-00	CERAMIC 0.022MF	10% 25V	C525	1-110-188-81	MYLAR 0.0068MF	10% 400V
C318	1-161-055-00	CERAMIC 0.022MF	10% 25V	C526	1-123-360-00	ELECT 100MF	20% 50V
C319	1-123-381-00	ELECT 2.2MF	20% 50V	C527	1-123-336-00	ELECT 470MF	20% 25V
C320	1-123-330-00	ELECT 22MF	20% 16V	C528	1-102-959-00	CERAMIC 22PF	5% 50V
C326	1-102-529-00	CERAMIC 100PF	5% 50V	C530	1-123-369-00	ELECT 4.7MF	20% 25V
C327	1-123-330-00	ELECT 22MF	20% 16V	C531	1-123-332-00	ELECT 47MF	20% 16V
C328	1-136-171-00	FILM 0.33MF	5% 50V	C534	1-102-074-00	CERAMIC 0.001MF	10% 50V
C330	1-123-333-00	ELECT 100MF	20% 16V	C535	1-101-004-00	CERAMIC 0.01MF	50V
C332	1-136-171-00	FILM 0.33MF	5% 50V	C536	1-108-616-91	MYLAR 0.0015MF	10% 100V
C334	1-136-171-00	FILM 0.33MF	5% 50V	C537	1-123-356-00	ELECT 10MF	20% 25V
C342	1-161-055-00	CERAMIC 0.022MF	10% 25V	C538	1-123-356-00	ELECT 10MF	20% 25V
C343	1-161-055-00	CERAMIC 0.022MF	10% 25V	C540	1-123-379-00	ELECT 0.47MF	20% 50V
C344	1-161-055-00	CERAMIC 0.022MF	10% 25V	C601 A	1-117-121-51	PAPER 0.22MF	20% 250V
C347	1-123-356-00	ELECT 10MF	20% 16V	C602 A	1-117-121-51	PAPER 0.22MF	20% 250V
C348	1-123-380-00	ELECT 1MF	20% 50V	C603 A	1-161-964-61	CERAMIC 0.0047MF	250V
C349	1-123-381-00	ELECT 2.2MF	20% 50V	C604 A	1-161-964-61	CERAMIC 0.0047MF	250V
C350	1-110-190-81	MYLAR 0.01MF	10% 400V	C605	1-161-964-00	CERAMIC 0.0047MF	250V
C351	1-102-121-00	CERAMIC 0.0022MF	10% 50V	C606	1-125-318-00	ELECT(BLOCK) 220MF	20% 400V
C359	1-102-514-00	CERAMIC 22PF	5% 50V	C607	1-123-356-00	ELECT 10MF	20% 16V
C360	1-123-356-00	ELECT 10MF	20% 16V	C608	1-123-356-00	ELECT 10MF	20% 50V
				C609	1-102-228-00	CERAMIC 470PF	10% 500V
				C610	1-102-030-00	CERAMIC 330PF	10% 500V
				C611	1-101-005-00	CERAMIC 0.022MF	50V

B

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C612	1-102-074-00	CERAMIC	0.001MF	10%	50V	C864	1-123-333-00	ELECT	100MF	20%	16V
C613	1-102-030-00	CERAMIC	330PF	10%	500V	C865	1-110-182-81	MYLAR	0.022MF	10%	250V
C614	1-110-186-81	MYLAR	0.0047MF	10%	400V			TRIMMER			
C615	1-110-190-81	MYLAR	0.01MF	10%	400V						
C616	1-136-177-00	FILM	1MF	5%	50V	CV300	1-141-181-11	CAP, TRIMMER			
								DIODE			
C617	1-136-064-00	FILM	0.002MF	3%	2KV						
C618	1-136-177-00	FILM	1MF	5%	50V	D301	8-719-911-19	DIODE 1SS119			
C619	1-123-357-00	ELECT	22MF	20%	50V	D302	8-719-100-58	DIODE RD10E-B3			
C620	1-123-357-00	ELECT	22MF	20%	50V	D303	8-719-102-67	DIODE RD5.1E-N1			
C621	1-106-180-00	MYLAR	0.0022MF	5%	100V	D304	8-719-911-19	DIODE 1SS119			
						D305	8-719-911-19	DIODE 1SS119			
C622	1-108-620-91	MYLAR	0.0033MF	10%	100V						
C624	1-123-380-00	ELECT	1MF	20%	50V	D306	8-719-000-12	DIODE MC931			
C626	1-161-740-00	CERAMIC	470PF	10%	400V	D307	8-719-000-12	DIODE MC931			
C627	1-161-740-00	CERAMIC	470PF	10%	400V	D308	8-719-911-19	DIODE 1SS119			
C628	1-162-578-51	CERAMIC	0.0047MF	20%	400V	D310	8-719-911-19	DIODE 1SS119			
						D501	8-719-911-19	DIODE 1SS119			
C629	1-162-578-51	CERAMIC	0.0047MF	20%	400V	D502	8-719-911-19	DIODE 1SS119			
C630	1-102-002-00	CERAMIC	680PF	10%	500V						
C631	1-123-024-00	ELECT	33MF		160V	D503	8-719-911-19	DIODE 1SS119			
C633	1-102-030-00	CERAMIC	330PF	10%	500V	D601	8-719-503-06	DIODE S3WB60Z			
C634	1-123-337-00	ELECT	1000MF	20%	25V	D604	8-719-911-19	DIODE 1SS119			
						D605	8-719-924-06	DIODE ERC24-06S			
C635	1-102-030-00	CERAMIC	330PF	10%	500V	D606	8-719-300-76	DIODE RH1A			
C636	1-123-325-00	ELECT	2200MF	20%	16V						
C636A	1-123-324-00	ELECT	1000MF	20%	16V	D607	8-719-300-76	DIODE RH1A			
C637	1-102-228-00	CERAMIC	470PF	10%	500V	D609	8-719-102-74	DIODE RD6.2E-N2			
C639	1-123-323-00	ELECT	470MF	20%	16V	D610	8-719-911-19	DIODE 1SS119			
						D611	8-719-925-06	DIODE ERC25-06S			
C801	1-106-385-00	MYLAR	0.056MF	10%	200V	D612	8-719-924-06	DIODE ERC24-06S			
C802	1-102-030-00	CERAMIC	330PF	10%	500V						
C803	1-102-114-00	CERAMIC	470PF	10%	50V	D613A	8-719-924-06	DIODE ERC24-06S			
C804	1-124-645-11	ELECT	10MF	20%	16V	D613	8-719-924-06	DIODE ERC24-06S			
C805	1-123-024-00	ELECT	33MF		160V	D614	8-719-924-06	DIODE ERC24-06S			
						D615	8-719-920-04	DIODE FRB12-04RK			
C806	1-123-379-00	ELECT	0.47MF	20%	50V	D801	8-719-305-15	DIODE GH3F			
C808	1-108-614-91	MYLAR	0.001MF	10%	100V	D801A	8-719-306-15	DIODE GH3F			
C809	1-108-433-00	MYLAR	0.1MF	10%	200V						
C810	1-136-116-00	FILM	1MF	5%	200V	D802	8-719-928-08	DIODE ERD28-08S			
C811	1-110-190-81	MYLAR	0.01MF	10%	400V	D803	8-719-920-04	DIODE ERB12-04RK			
						D804	8-719-920-04	DIODE ERB12-04RK			
C812	1-130-797-11	FILM	0.68MF	10%	250V	D805	8-719-102-74	DIODE RD6.2E-N2			
C813	1-136-179-00	FILM	1.5MF	5%	200V	D851	8-719-924-06	DIODE ERC24-06S			
C814	1-124-192-00	ELECT	4.7MF	20%	50V						
C815	1-136-181-00	FILM	0.0125MF	3%	2KV	D852	8-719-300-65	DIODE ES1F			
C816	1-129-747-00	FILM	0.047MF	10%	400V	D853	8-719-924-06	DIODE ERC24-06S			
						D854	8-719-920-04	DIODE ERB12-04RK			
C817	1-162-115-00	CERAMIC	330PF	10%	2KV	D855	8-719-924-06	DIODE ERC24-06S			
C851	1-123-948-00	ELECT	22MF	20%	250V	D856	8-719-920-04	DIODE ERB12-04RK			
C852	1-102-223-00	CERAMIC	0.0047MF	10%	2KV						
C853	1-102-038-00	CERAMIC	0.001MF		500V						
C854	1-123-383-00	ELECT	4.7MF	20%	100V						
								DELAY LINE			
C855	1-123-349-00	ELECT	1000MF	20%	35V	DL350	1-415-122-31	DELAY LINE, 1H (PAL)			
C856	1-123-334-00	ELECT	220MF	20%	25V						
C858	1-108-425-00	MYLAR	0.022MF	10%	200V						
C859	1-110-171-81	MYLAR	0.047MF	10%	100V						
C860	1-102-038-00	CERAMIC	0.001MF		500V						
								FUSE			
C861	1-102-038-00	CERAMIC	0.001MF		500V	F601	1-532-350-11	FUSE, TIME-LAG 4.0A			
C862	1-161-754-00	CERAMIC	0.001MF	10%	3KV		1-533-149-00	HOLDER, FUSE; F601			
C863	1-110-192-81	MYLAR	0.015MF	10%	400V						

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
F602	1-532-285-11	FUSE, TIME-LAG 1.25A		Q603	8-729-245-83	TRANSISTOR 2SC2458	
	1-533-149-00	HOLDER, FUSE; F602		Q801	8-729-168-82	TRANSISTOR 2SC2688	
		IC		Q802	8-729-800-87	TRANSISTOR 2SD1398-CA	
IC301	8-759-915-57	IC TDA4555			4-363-414-00	SPACER, MICA; Q802	
IC302	8-759-911-10	IC TDA3505			*4-367-226-00	HOLDER, H OUT; Q802	
IC501	8-759-915-46	IC TDA2579		Q803	8-729-245-83	TRANSISTOR 2SC2458	
	*4-375-717-01	HEAT SINK, IC; IC501				RESISTOR	
IC552	8-759-113-78	IC UPC1378H-L		R300	1-215-730-91	METAL 470 5% 1/6W	
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; IC552		R301	1-215-148-00	METAL 680 5% 1/4W	
IC553	8-759-145-58	IC UPC4558C		R302	1-215-144-00	METAL 470 5% 1/4W	
IC601	8-759-100-75	IC UPC1394C		R303	1-215-752-91	METAL 3.9K 5% 1/6W	
IC851	8-759-700-06	IC NJM7812B		R304	1-215-742-91	METAL 1.5K 5% 1/6W	
	*4-367-227-00	HOLDER, REGULATOR OUT; IC851		R305	1-215-754-91	METAL 4.7K 5% 1/6W	
		COIL		R306	1-215-754-91	METAL 4.7K 5% 1/6W	
L303	1-408-423-00	MICRO INDUCTOR 150UH		R307	1-215-738-91	METAL 1K 5% 1/6W	
L312	1-408-602-21	MICRO INDUCTOR 8.2UH		R308	1-215-755-91	METAL 5.1K 5% 1/6W	
L351	1-408-423-00	MICRO INDUCTOR 150UH		R309	1-215-762-91	METAL 10K 5% 1/6W	
L359	1-408-611-00	MICRO INDUCTOR 47UH		R310	1-215-762-91	METAL 10K 5% 1/6W	
L360	1-408-611-00	MICRO INDUCTOR 47UH		R311	1-215-720-91	METAL 180 5% 1/6W	
L601	1-407-365-00	COIL, CHOKE		R312	1-215-740-91	METAL 1.2K 5% 1/6W	
L801	1-408-225-00	MICRO INDUCTOR 3.3UH		R313	1-215-728-91	METAL 390 5% 1/6W	
L802	1-407-365-00	COIL, CHOKE		R317	1-215-794-91	METAL 220K 5% 1/6W	
L803	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE		R318	1-215-794-91	METAL 220K 5% 1/6W	
L804	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE		R321	1-215-790-91	METAL 150K 5% 1/6W	
L805	1-408-239-00	MICRO INDUCTOR 4.7MMH		R322	1-215-754-91	METAL 4.7K 5% 1/6W	
L806	1-459-488-00	COIL, HORIZONTAL LINIALITY		R323	1-215-754-91	METAL 4.7K 5% 1/6W	
L807	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R324	1-215-738-91	METAL 1K 5% 1/6W	
L808	1-459-390-00	COIL (WITH CORE)		R325	1-215-756-91	METAL 5.6K 5% 1/6W	
L851	1-408-160-00	MICRO INDUCTOR 15MMH		R326	1-215-463-00	METAL 56K 1% 1/6W	
L852	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25MH		R329	1-215-702-91	METAL 33 5% 1/6W	
L853	1-408-680-00	COIL (CHOKE, SPOOK) 12UH		R330	1-215-712-91	METAL 82 5% 1/6W	
		TRANSISTOR		R331	1-215-720-91	METAL 180 5% 1/6W	
Q300	8-729-245-83	TRANSISTOR 2SC2458		R333	1-215-720-91	METAL 180 5% 1/6W	
Q301	8-729-245-83	TRANSISTOR 2SC2458		R335	1-215-720-91	METAL 180 5% 1/6W	
Q302	8-729-245-83	TRANSISTOR 2SC2458		R345	1-215-786-91	METAL 100K 5% 1/6W	
Q303	8-729-245-83	TRANSISTOR 2SC2458		R348	1-215-774-91	METAL 33K 5% 1/6W	
Q306	8-729-204-83	TRANSISTOR 2SA1048GR		R349	1-215-786-91	METAL 100K 5% 1/6W	
Q307	8-729-245-83	TRANSISTOR 2SC2458		R350	1-215-742-91	METAL 1.5K 5% 1/6W	
Q308	8-729-245-83	TRANSISTOR 2SC2458		R351	1-215-732-91	METAL 560 5% 1/6W	
Q309	8-729-900-89	TRANSISTOR DTC144ES		R352	1-215-738-91	METAL 1K 5% 1/6W	
Q360	8-729-900-36	TRANSISTOR DTC124ES		R353	1-215-762-91	METAL 10K 5% 1/6W	
Q361	8-729-900-36	TRANSISTOR DTC124ES		R354	1-215-776-91	METAL 39K 5% 1/6W	
Q501	8-729-204-83	TRANSISTOR 2SA1048GR		R357	1-215-154-00	METAL 1.2K 5% 1/4W	
Q502	8-729-313-42	TRANSISTOR 2SD1134		R358	1-215-722-91	METAL 220 5% 1/6W	
	*4-323-833-00	HEAT SINK, PIN OUT; Q502		R359	1-215-740-91	METAL 1.2K 5% 1/6W	
Q503	8-729-245-83	TRANSISTOR 2SC2458		R360	1-215-722-91	METAL 220 5% 1/6W	
Q601	8-729-195-82	TRANSISTOR 2SC2958		R361	1-215-780-91	METAL 56K 5% 1/6W	
Q602	8-729-301-00	TRANSISTOR 2SD1497-02		R362	1-215-786-91	METAL 100K 5% 1/6W	
	4-363-414-00	SPACER, MICA; Q602		R365	1-215-714-91	METAL 100 5% 1/6W	
	*4-370-012-01	HOLDER, TRANSISTOR; Q602		R366	1-215-146-00	METAL 560 5% 1/4W	
				R370	1-215-712-91	METAL 82 5% 1/6W	
				R372	1-215-784-91	METAL 82K 5% 1/6W	

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For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
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Email: enquiries@mauritron.co.uk

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R373	1-215-768-91	METAL	18K 5% 1/6W	R556	1-215-786-91	METAL	100K 5% 1/6W
R375	1-215-754-91	METAL	4.7K 5% 1/6W	R557	1-215-768-91	METAL	18K 5% 1/6W
R376	1-215-754-91	METAL	4.7K 5% 1/6W	R558	1-215-798-91	METAL	330K 5% 1/6W
R377	1-215-790-91	METAL	150K 5% 1/6W	R559	1-215-810-91	METAL	1M 5% 1/6W
R378	1-215-786-91	METAL	100K 5% 1/6W	R560	1-215-786-91	METAL	100K 5% 1/6W
R379	1-215-754-91	METAL	4.7K 5% 1/6W	R567	1-216-352-11	METAL OXIDE	1.8 5% 1W F
R380	1-215-726-91	METAL	330 5% 1/6W	R601	1-205-758-11	CEMENTED	100 10% 10W F
R390	1-215-726-91	METAL	330 5% 1/6W	R602	1-215-927-00	METAL OXIDE	47K 5% 3W F
R397	1-215-754-91	METAL	4.7K 5% 1/6W	R603	1-215-929-11	METAL OXIDE	100K 5% 3W F
R501	1-215-782-91	METAL	68K 5% 1/6W	R604	1-202-731-00	SOLID	10M 10% 1/2W
R502	1-215-764-91	METAL	12K 5% 1/6W	R605	1-215-772-91	METAL	27K 5% 1/6W
R503	1-247-109-00	CARBON	120 5% 1/4W F	R606	1-215-760-91	METAL	8.2K 5% 1/6W
R504	1-215-750-91	METAL	3.3K 5% 1/6W	R607	1-215-778-91	METAL	47K 5% 1/6W
R505	1-215-752-91	METAL	3.9K 5% 1/6W	R608	1-215-736-91	METAL	820 5% 1/6W
R506	1-215-740-91	METAL	1.2K 5% 1/6W	R609	1-215-746-91	METAL	2.2K 5% 1/6W
R507	1-215-738-91	METAL	1K 5% 1/6W	R611	1-215-736-91	METAL	820 5% 1/6W
R508	1-215-786-91	METAL	100K 5% 1/6W	R612	1-215-722-91	METAL	220 5% 1/6W
R509	1-215-478-91	METAL	240K 1% 1/6W	R613	1-215-796-91	METAL	270K 5% 1/6W
R510	1-215-758-91	METAL	6.8K 5% 1/6W	R614	1-215-758-91	METAL	6.8K 5% 1/6W
R511	1-215-712-91	METAL	82 5% 1/6W	R615	1-215-762-91	METAL	10K 5% 1/6W
R512	1-215-736-91	METAL	820 5% 1/6W	R616	1-215-708-91	METAL	56 5% 1/6W
R513	1-215-792-91	METAL	180K 5% 1/6W	R617	1-215-875-11	METAL OXIDE	10K 5% 1W F
R514	1-215-770-91	METAL	22K 5% 1/6W	R618	1-215-762-91	METAL	10K 5% 1/6W
R515	1-215-714-91	METAL	100 5% 1/6W	R619	1-215-714-91	METAL	100 5% 1/6W
R516	1-215-746-91	METAL	2.2K 5% 1/6W	R620	1-216-365-00	METAL OXIDE	0.47 5% 2W F
R517	1-215-776-91	METAL	39K 5% 1/6W	R621	1-205-759-11	CEMENTED	680 10% 10W F
R519	1-215-762-91	METAL	10K 5% 1/6W	R622	1-205-759-11	CEMENTED	680 10% 10W F
R520	1-215-774-91	METAL	33K 5% 1/6W	R623	1-217-387-00	FUSIBLE	10 5% 1/4W F
R521	1-215-730-91	METAL	470 5% 1/6W	R624	1-215-726-91	METAL	330 5% 1/6W
R522	1-215-746-91	METAL	2.2K 5% 1/6W	R625	1-215-778-91	METAL	47K 5% 1/6W
R523	1-215-774-91	METAL	33K 5% 1/6W	R626	1-215-810-91	METAL	1M 5% 1/6W
R524	1-215-728-91	METAL	390 5% 1/6W	R627	1-215-778-91	METAL	47K 5% 1/6W
R525	1-215-750-91	METAL	3.3K 5% 1/6W	R628	1-215-772-91	METAL	27K 5% 1/6W
R526	1-215-770-91	METAL	22K 5% 1/6W	R630	1-215-794-91	METAL	220K 5% 1/6W
R527	1-215-776-91	METAL	39K 5% 1/6W	R631	1-215-778-91	METAL	47K 5% 1/6W
R528	1-215-795-91	METAL	240K 5% 1/6W	R632	1-215-896-00	METAL OXIDE	4.7K 5% 2W F
R529	1-215-710-91	METAL	68 5% 1/6W	R633	1-215-798-91	METAL	330K 5% 1/6W
R530	1-214-681-00	METAL	10 1% 1/4W	R634	1-215-778-91	METAL	47K 5% 1/6W
R531	1-247-226-00	CARBON	270 5% 1/2W	R635	1-215-794-91	METAL	220K 5% 1/6W
R532	1-249-415-11	CARBON	680 5% 1/6W F	R636	1-247-289-00	CARBON	8.2M 5% 1W
R533	1-247-769-00	CARBON	2.7 5% 1/6W	R637	1-205-763-11	CEMENTED	3.3 10% 10W F
R534	1-215-774-91	METAL	33K 5% 1/6W	R638	1-249-444-11	CARBON	0.56 5% 1/4W F
R538	1-215-718-91	METAL	150 5% 1/6W	R639	1-249-377-11	CARBON	0.47 5% 1/6W F
R539	1-215-738-91	METAL	1K 5% 1/6W	R639A	1-249-377-11	CARBON	0.47 5% 1/6W F
R541	1-215-762-91	METAL	10K 5% 1/6W	R640	1-205-758-11	CEMENTED	100 10% 10W F
R542	1-215-762-91	METAL	10K 5% 1/6W	R802	1-215-754-91	METAL	4.7K 5% 1/6W
R546	1-215-164-00	METAL	3.3K 5% 1/4W	R803	1-205-642-00	CEMENTED	3.3K 10% 5W
R547	1-249-417-11	CARBON	1K 5% 1/6W F	R804	1-249-420-11	CARBON	1.8K 5% 1/6W F
R548	1-215-762-91	METAL	10K 5% 1/6W	R805	1-215-778-91	METAL	47K 5% 1/6W
R549	1-215-776-91	METAL	39K 5% 1/6W	R806	1-215-746-91	METAL	2.2K 5% 1/6W
R550	1-215-770-91	METAL	22K 5% 1/6W	R807	1-216-360-11	METAL OXIDE	8.2 5% 1W F
R551	1-215-766-91	METAL	15K 5% 1/6W	R810	1-216-425-11	METAL OXIDE	56 5% 1W F
R552	1-215-786-91	METAL	100K 5% 1/6W	R811	1-215-871-11	METAL OXIDE	2.2K 5% 1W F
R553	1-215-786-91	METAL	100K 5% 1/6W				
R554	1-215-784-91	METAL	82K 5% 1/6W				
R555	1-215-750-91	METAL	3.3K 5% 1/6W				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R815	1-249-393-11	CARBON 10 5% 1/6W	F	*A-1295-999-A	A BOARD, COMPLETE		
R851	1-249-382-11	CARBON 1.2 5% 1/6W	F	*****			
R852	1-215-869-11	METAL OXIDE 1K 5% 1W	F	*4-363-672-00	CASE (MAIN), SHIELD, VIF		
R853	1-249-377-11	CARBON 0.47 5% 1/6W	F	*4-363-674-00	CASE (UPPER LID), SHIELD, VIF		
R854	1-215-170-00	METAL 5.6K 5% 1/4W		*4-365-811-00	CASE (MAIN), SHIELD, VIF		
R855	1-249-377-11	CARBON 0.47 5% 1/6W	F	*4-365-812-11	LID, UPPER, SHIELD CASE, VIF		
R858	1-202-830-00	SOLID 10K 10% 1/2W					
R859	1-215-439-00	METAL 5.6K 1% 1/6W					
R861	1-214-780-00	METAL 130K 1% 1/4W					
R862	1-216-445-11	METAL OXIDE 12 5% 2W	F				
<u>VARIABLE RESISTOR</u>							
RV300	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K					
RV301	1-228-824-00	RES, ADJ, CERAMIC CARBON 10K					
RV302	1-228-824-00	RES, ADJ, CERAMIC CARBON 10K					
RV350	1-228-717-00	RES, ADJ, CERAMIC CARBON 220					
RV501	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K					
RV502	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K					
RV503	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K					
RV504	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K					
RV505	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K					
RV506	1-228-720-31	RES, ADJ, CERAMIC CARBON 1K					
RV507	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K					
RV601	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K					
RV801	1-223-102-00	RES, ADJ, WIREWOUND 120					
<u>SPARK GAP</u>							
SG801	1-519-063-XX	DISCHARGING GAP					
<u>TRANSFORMER</u>							
T302	1-404-539-11	COIL					
T601	1-421-582-11	TRANSFORMER, FERRITE					
T602	1-446-194-00	TRANSFORMER, CHOPPER DRIVE					
T603	1-448-235-12	TRANSFORMER, CONVERTER (S.R.T)					
T801	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE					
<u>THERMISTOR</u>							
TH501	1-800-202-XX	THERMISTOR S-10K					
THP601	1-806-387-11	THERMISTOR (POSITIVE)					
THP602	1-806-387-11	THERMISTOR (POSITIVE)					
<u>CRYSTAL</u>							
X300	1-567-131-00	OSCILLATOR, CRYSTAL					
<u>MODULE</u>							
YCM301	1-235-601-11	YC MODULE					

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A

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C044	1-123-586-00	ELECT	0.1MF	20%	50V	C252	1-123-381-00	ELECT	2.2MF	20%	50V
C045	1-123-379-00	ELECT	0.47MF	20%	50V	C253	1-123-332-00	ELECT	47MF	20%	16V
C046	1-110-175-81	MYLAR	0.1MF	10%	100V	C254	1-123-323-00	ELECT	470MF	20%	16V
C047	1-110-173-81	MYLAR	0.068MF	10%	100V	C255	1-110-175-81	MYLAR	0.1MF	10%	100V
C048	1-123-356-00	ELECT	10MF	20%	50V	C256	1-124-556-11	ELECT	2200MF	20%	16V
DISCRIMINATOR											
C071	1-101-361-00	CERAMIC	150PF	5%	50V	CD201	1-404-490-00	DISCRIMINATOR, CERAMIC(6.0MHZ)			
C072	1-101-361-00	CERAMIC	150PF	5%	50V	FILTER					
C073	1-123-380-00	ELECT	1MF	20%	50V	CF201	1-409-333-00	TRAP, CERAMIC (6.0MHZ)			
C101	1-110-175-81	MYLAR	0.1MF	10%	100V	CF202	1-567-100-00	FILTER, CERAMIC			
C102	1-110-175-81	MYLAR	0.1MF	10%	100V	SWF201	1-404-484-00	FILTER, SURFACE WAVE			
DIODE											
C103	1-110-173-81	MYLAR	0.068MF	10%	100V	D001	8-719-102-72	DIODE RD5.6E-N3			
C104	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D002	8-719-101-40	DIODE RD3.9E-L1			
C105	1-102-884-00	CERAMIC	33PF	5%	50V	D003	8-719-102-26	DIODE RD30E-L4			
C106	1-123-318-00	ELECT	33MF	20%	16V	D004	8-719-911-19	DIODE 1SS119			
C107	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D005	8-719-911-19	DIODE 1SS119			
C108	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D006	8-719-911-19	DIODE 1SS119			
C109	1-102-892-00	CERAMIC	22PF	5%	50V	D007	8-719-911-19	DIODE 1SS119			
C110	1-123-323-00	ELECT	470MF	20%	16V	D008	8-719-911-19	DIODE 1SS119			
C112	1-102-824-21	CERAMIC	470PF	5%	50V	D009	8-719-911-19	DIODE 1SS119			
C114	1-123-330-00	ELECT	22MF	20%	16V	D010	8-719-911-19	DIODE 1SS119			
C182	1-123-380-00	ELECT	1MF	20%	50V	D011	8-719-911-19	DIODE 1SS119			
C183	1-102-074-00	CERAMIC	0.001MF	10%	50V	D012	8-719-911-19	DIODE 1SS119			
C201	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D013	8-719-911-19	DIODE 1SS119			
C202	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D014	8-719-911-19	DIODE 1SS119			
C203	1-102-513-00	CERAMIC	18PF	5%	50V	D015	8-719-911-19	DIODE 1SS119			
C204	1-102-525-00	CERAMIC	68PF	5%	50V	D016	8-719-911-19	DIODE 1SS119			
C205	1-123-380-00	ELECT	1MF	20%	50V	D017	8-719-911-19	DIODE 1SS119			
C206	1-123-381-00	ELECT	2.2MF	20%	50V	D018	8-719-911-19	DIODE 1SS119			
C207	1-124-655-11	ELECT	0.47MF	20%	50V	D022	8-719-911-19	DIODE 1SS119			
C208	1-161-059-00	CERAMIC	0.047MF	10%	50V	D024	8-719-911-19	DIODE 1SS119			
C209	1-123-318-00	ELECT	33MF	20%	16V	D025	8-719-911-19	DIODE 1SS119			
C210	1-102-824-21	CERAMIC	470PF	5%	50V	D030	8-719-911-19	DIODE 1SS119			
C211	1-161-059-00	CERAMIC	0.047MF	10%	50V	D071	8-719-911-19	DIODE 1SS119			
C212	1-161-059-00	CERAMIC	0.047MF	10%	50V	D201	8-719-911-19	DIODE 1SS119			
C213	1-123-323-00	ELECT	470MF	20%	16V	D202	8-719-911-19	DIODE 1SS119			
C214	1-123-318-00	ELECT	33MF	20%	16V	D203	8-719-101-40	DIODE RD3.9E-L1			
C215	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D204	8-719-102-69	DIODE RD5.1E-N3			
C216	1-102-525-00	CERAMIC	68PF	5%	50V	D208	8-719-000-12	DIODE MC931			
C217	1-161-051-00	CERAMIC	0.01MF	10%	50V	D209	8-719-000-12	DIODE MC931			
C218	1-123-200-91	ELECT	0.47MF	20%	50V	IC					
C219	1-102-125-00	CERAMIC	0.0047MF	10%	50V	IC001	8-759-105-62	IC CX522-099			
C220	1-102-074-00	CERAMIC	0.001MF	10%	50V	IC002	8-752-320-11	IC CXK1001P			
C221	1-101-004-00	CERAMIC	0.01MF	10%	50V	IC003	8-759-907-22	IC MB88301A			
C226	1-102-119-00	CERAMIC	0.0015MF	10%	50V	IC004	8-759-220-02	IC TC40H002P			
C228	1-123-323-00	ELECT	470MF	20%	16V	IC005	8-759-602-72	IC M50760-580P			
C229	1-108-429-00	MYLAR	0.047MF	10%	200V						
C232	1-102-520-00	CERAMIC	39PF	5%	50V						
C233	1-102-125-00	CERAMIC	0.0047MF	10%	50V						
C234	1-102-125-00	CERAMIC	0.0047MF	10%	50V						
C238	1-123-318-00	ELECT	33MF	20%	16V						
C240	1-123-356-00	ELECT	10MF	20%	16V						
C250	1-110-173-81	MYLAR	0.068MF	10%	100V						
C251	1-102-121-00	CERAMIC	0.0022MF	10%	50V						

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Ref.No.	Part No.	Description
IC006	8-759-157-40	IC UPC574J
IC 201	8-752-001-51	IC CX20015A
IC 203	8-759-340-53	IC HD14053BP
IC 251	8-759-101-77	IC UPC1241H
<u>COIL</u>		
L001	1-408-603-00	MICRO INDUCTOR 10UH
L002	1-408-397-00	MICRO INDUCTOR 1UH
L003	1-408-247-00	MICRO INDUCTOR 33MMH
L004	1-408-599-11	MICRO INDUCTOR 4.7UH
L005	1-408-603-00	MICRO INDUCTOR 10UH
L007	1-408-397-00	MICRO INDUCTOR 1UH
L071	1-408-429-00	MICRO INDUCTOR 470UH
L101	1-408-397-00	MICRO INDUCTOR 1UH
L201	1-408-602-21	MICRO INDUCTOR 8.2UH
L202	1-408-607-00	MICRO INDUCTOR 22UH
L203	1-408-594-00	MICRO INDUCTOR 1.8UH
L204	1-408-603-00	MICRO INDUCTOR 10UH
L205	1-408-605-00	MICRO INDUCTOR 15UH
L210	1-408-226-00	MICRO INDUCTOR 82UH
<u>TRANSISTOR</u>		
Q001	8-729-109-53	TRANSISTOR 2SD795A
Q002	8-729-204-83	TRANSISTOR 2SA1048GR
Q003	8-729-245-83	TRANSISTOR 2SC2458
Q004	8-729-245-83	TRANSISTOR 2SC2458
Q005	8-729-245-83	TRANSISTOR 2SC2458
Q006	8-729-204-83	TRANSISTOR 2SA1048GR
Q007	8-729-245-83	TRANSISTOR 2SC2458
Q008	8-729-900-63	TRANSISTOR DTA124ES
Q009	8-729-245-83	TRANSISTOR 2SC2458
Q010	8-729-245-83	TRANSISTOR 2SC2458
Q011	8-729-245-83	TRANSISTOR 2SC2458
Q012	8-729-245-83	TRANSISTOR 2SC2458
Q013	8-729-245-83	TRANSISTOR 2SC2458
Q014	8-729-900-36	TRANSISTOR DTC124ES
Q015	8-729-245-83	TRANSISTOR 2SC2458
Q016	8-729-245-83	TRANSISTOR 2SC2458
Q017	8-729-245-83	TRANSISTOR 2SC2458
Q018	8-729-245-83	TRANSISTOR 2SC2458
Q019	8-729-900-36	TRANSISTOR DTC124ES
Q020	8-729-900-36	TRANSISTOR DTC124ES
Q021	8-729-900-36	TRANSISTOR DTC124ES
Q022	8-729-900-36	TRANSISTOR DTC124ES
Q023	8-729-900-36	TRANSISTOR DTC124ES
Q024	8-729-900-36	TRANSISTOR DTC124ES
Q025	8-729-900-36	TRANSISTOR DTC124ES
Q101	8-765-300-00	TRANSISTOR 2SC2009
Q103	8-729-204-83	TRANSISTOR 2SA1048GR
Q107	8-729-245-83	TRANSISTOR 2SC2458
Q110	8-729-204-83	TRANSISTOR 2SA1048GR
Q201	8-729-245-83	TRANSISTOR 2SC2458
Q202	8-729-378-84	TRANSISTOR 2SD788

Remark	Ref.No.	Part No.	Description			Remark
	Q203	8-729-204-83	TRANSISTOR	2SA1C48GR		
	Q206	8-729-900-65	TRANSISTOR	DTA144ES		
	Q207	8-729-204-83	TRANSISTOR	2SA1048GR		
	Q208	8-729-900-36	TRANSISTOR	DTC124ES		
	Q209	8-729-204-83	TRANSISTOR	2SA1048GR		
	Q210	8-729-204-83	TRANSISTOR	2SA1048GR		
			<u>RESISTOR</u>			
	R001	1-215-144-00	METAL	470	5%	1/4W
	R002	1-215-734-91	METAL	680	5%	1/6W
	R003	1-215-772-91	METAL	27K	5%	1/6W
	R004	1-215-762-91	METAL	10K	5%	1/6W
	R005	1-215-738-91	METAL	1K	5%	1/6W
	R007	1-215-762-91	METAL	10K	5%	1/6W
	R008	1-215-156-00	METAL	1.5K	5%	1/4W
	R009	1-215-738-91	METAL	1K	5%	1/6W
	R010	1-215-786-91	METAL	100K	5%	1/6W
	R011	1-215-142-00	METAL	390	5%	1/4W
	R012	1-215-142-00	METAL	390	5%	1/4W
	R014	1-215-152-00	METAL	1K	5%	1/4W
	R015	1-215-790-91	METAL	150K	5%	1/6W
	R016	1-215-738-91	METAL	1K	5%	1/6W
	R017	1-215-738-91	METAL	1K	5%	1/6W
	R018	1-215-152-00	METAL	1K	5%	1/4W
	R019	1-215-152-00	METAL	1K	5%	1/4W
	R020	1-215-152-00	METAL	1K	5%	1/4W
	R021	1-215-152-00	METAL	1K	5%	1/4W
	R022	1-215-778-91	METAL	47K	5%	1/6W
	R023	1-215-778-91	METAL	47K	5%	1/6W
	R024	1-215-770-91	METAL	22K	5%	1/6W
	R025	1-215-184-00	METAL	22K	5%	1/4W
	R026	1-215-738-91	METAL	1K	5%	1/6W
	R027	1-215-762-91	METAL	10K	5%	1/6W
	R028	1-215-444-00	METAL	9.1K	1%	1/6W
	R029	1-215-445-00	METAL	10K	1%	1/6W
	R030	1-215-738-91	METAL	1K	5%	1/6W
	R031	1-215-464-00	METAL	62K	1%	1/6W
	R034	1-215-730-91	METAL	470	5%	1/6W
	R035	1-215-756-91	METAL	5.6K	5%	1/6W
	R038	1-215-738-91	METAL	1K	5%	1/6W
	R039	1-215-774-91	METAL	33K	5%	1/6W
	R040	1-215-738-91	METAL	1K	5%	1/6W
	R041	1-215-754-91	METAL	4.7K	5%	1/6W
	R042	1-215-762-91	METAL	10K	5%	1/6W
	R043	1-215-738-91	METAL	1K	5%	1/6W
	R044	1-215-738-91	METAL	1K	5%	1/6W
	R045	1-215-738-91	METAL	1K	5%	1/6W
	R047	1-215-778-91	METAL	47K	5%	1/6W
	R048	1-215-778-91	METAL	47K	5%	1/6W
	R049	1-215-770-91	METAL	22K	5%	1/6W
	R050	1-215-762-91	METAL	10K	5%	1/6W
	R051	1-215-762-91	METAL	10K	5%	1/6W
	R052	1-215-762-91	METAL	10K	5%	1/6W

For Service Manuals Contact
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Email: enquiries@mauritron.co.uk

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R053	1-215-746-91	METAL	2.2K 5% 1/6W	R191	1-215-714-91	METAL	100 5% 1/6W
R054	1-215-738-91	METAL	1K 5% 1/6W	R192	1-215-778-91	METAL	47K 5% 1/6W
R055	1-215-792-91	METAL	180K 5% 1/6W	R193	1-215-800-91	METAL	390K 5% 1/6W
R056	1-214-771-00	METAL	56K 1% 1/4W	R194	1-215-764-91	METAL	12K 5% 1/6W
R057	1-215-756-91	METAL	5.6K 5% 1/6W	R201	1-202-733-00	SOLID	15M 10% 1/2W
R058	1-215-176-00	METAL	10K 5% 1/4W	R202	1-215-744-91	METAL	1.8K 5% 1/6W
R059	1-215-786-91	METAL	100K 5% 1/6W	R203	1-215-764-91	METAL	12K 5% 1/6W
R060	1-215-764-91	METAL	12K 5% 1/6W	R204	1-215-764-91	METAL	12K 5% 1/6W
R061	1-215-152-00	METAL	1K 5% 1/4W	R205	1-215-738-91	METAL	1K 5% 1/6W
R062	1-215-748-91	METAL	2.7K 5% 1/6W	R206	1-215-738-91	METAL	1K 5% 1/6W
R063	1-215-762-91	METAL	10K 5% 1/6W	R207	1-215-774-91	METAL	33K 5% 1/6W
R064	1-215-748-91	METAL	2.7K 5% 1/6W	R208	1-215-774-91	METAL	33K 5% 1/6W
R065	1-215-766-91	METAL	15K 5% 1/6W	R209	1-215-748-91	METAL	2.7K 5% 1/6W
R066	1-215-780-91	METAL	56K 5% 1/6W	R210	1-215-736-91	METAL	820 5% 1/6W
R067	1-215-780-91	METAL	56K 5% 1/6W	R211	1-215-740-91	METAL	1.2K 5% 1/6W
R068	1-215-764-91	METAL	12K 5% 1/6W	R212	1-215-770-91	METAL	22K 5% 1/6W
R069	1-215-778-91	METAL	47K 5% 1/6W	R213	1-215-746-91	METAL	2.2K 5% 1/6W
R070	1-215-774-91	METAL	33K 5% 1/6W	R214	1-215-730-91	METAL	470 5% 1/6W
R071	1-215-877-11	METAL OXIDE	22K 5% 1W F	R215	1-215-722-91	METAL	220 5% 1/6W
R072	1-215-798-91	METAL	330K 5% 1/6W	R216	1-215-752-91	METAL	3.9K 5% 1/6W
R073	1-215-774-91	METAL	33K 5% 1/6W	R217	1-215-714-91	METAL	100 5% 1/6W
R074	1-215-726-91	METAL	330 5% 1/6W	R218	1-215-148-00	METAL	680 5% 1/4W
R075	1-215-176-00	METAL	10K 5% 1/4W	R219	1-215-786-91	METAL	100K 5% 1/6W
R076	1-215-184-00	METAL	22K 5% 1/4W	R220	1-215-722-91	METAL	220 5% 1/6W
R077	1-215-798-91	METAL	330K 5% 1/6W	R221	1-215-746-91	METAL	2.2K 5% 1/6W
R078	1-215-762-91	METAL	10K 5% 1/6W	R222	1-215-786-91	METAL	100K 5% 1/6W
R079	1-215-730-91	METAL	470 5% 1/6W	R224	1-215-742-91	METAL	1.5K 5% 1/6W
R080	1-215-176-00	METAL	10K 5% 1/4W	R226	1-215-184-00	METAL	22K 5% 1/4W
R081	1-215-798-91	METAL	330K 5% 1/6W	R227	1-214-731-00	METAL	1.2K 1% 1/4W
R082	1-215-742-91	METAL	1.5K 5% 1/6W	R228	1-214-712-00	METAL	200 1% 1/4W
R084	1-215-746-91	METAL	2.2K 5% 1/6W	R230	1-217-383-00	FUSIBLE	4.7 5% 1/4W F
R085	1-215-752-91	METAL	3.9K 5% 1/6W	R232	1-215-192-00	METAL	47K 5% 1/4W
R086	1-215-762-91	METAL	10K 5% 1/6W	R233	1-215-714-91	METAL	100 5% 1/6W
R087	1-215-762-91	METAL	10K 5% 1/6W	R234	1-215-756-91	METAL	5.6K 5% 1/6W
R088	1-215-176-00	METAL	10K 5% 1/4W	R242	1-215-754-91	METAL	4.7K 5% 1/6W
R089	1-215-754-91	METAL	4.7K 5% 1/6W	R243	1-215-774-91	METAL	33K 5% 1/6W
R090	1-215-780-91	METAL	56K 5% 1/6W	R244	1-215-714-91	METAL	100 5% 1/6W
R091	1-215-200-00	METAL	100K 5% 1/4W	R245	1-215-148-00	METAL	680 5% 1/4W
R092	1-215-772-91	METAL	27K 5% 1/6W	R246	1-215-746-91	METAL	2.2K 5% 1/6W
R093	1-215-794-91	METAL	220K 5% 1/6W	R251	1-215-770-91	METAL	22K 5% 1/6W
R094	1-215-796-91	METAL	270K 5% 1/6W	R252	1-215-738-91	METAL	1K 5% 1/6W
R095	1-215-784-91	METAL	82K 5% 1/6W	R253	1-215-080-81	METAL	1 5% 1/4W
R096	1-215-154-00	METAL	1.2K 5% 1/4W	R254	1-249-450-11	CARBON	1.8 5% 1/4W F
R101	1-215-188-00	METAL	33K 5% 1/4W	R255	1-215-754-91	METAL	4.7K 5% 1/6W
R103	1-215-162-00	METAL	2.7K 5% 1/4W	VARIABLE RESISTOR			
R104	1-215-798-91	METAL	330K 5% 1/6W	RV201	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R105	1-215-762-91	METAL	10K 5% 1/6W	TRANSFORMER			
R106	1-215-730-91	METAL	470 5% 1/6W	T101	1-404-464-00	COIL, VIF	
R107	1-215-736-91	METAL	820 5% 1/6W	T202	1-404-465-00	COIL, VIF (MOLD TYPE)	
R108	1-215-720-91	METAL	180 5% 1/6W	T203	1-404-465-00	COIL, VIF (MOLD TYPE)	
R109	1-215-746-91	METAL	2.2K 5% 1/6W				
R110	1-215-730-91	METAL	470 5% 1/6W				
R111	1-215-744-91	METAL	1.8K 5% 1/6W				

A

H1

H2

C

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>TUNER</u>				<u>C BOARD, COMPLETE</u> *****			
TU101A	1-463-412-00	TUNER, UHF ET (U341)		*4-374-704-01	COVER (REAR LID), CV VOL		
<u>CRYSTAL</u>				*4-374-717-01	COVER (MAIN), CV VOL		
X001	1-567-192-11	OSCILLATOR, CERAMIC		<u>CONNECTOR</u>			
*****				C1	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
	*1-615-604-11	H1 BOARD		C2	*1-508-767-00	5P PLUG	
		*****		C3	*1-506-371-00	2P PLUG (L)	
	*4-376-410-01	HOLDER (B), LED		<u>CAPACITOR</u>			
	*4-377-038-01	HOLDER (E), LED		C701	1-123-946-00	ELECT 4.7MF	20% 250V
<u>DIODE</u>				C702	1-110-182-81	MYLAR 0.022MF	10% 250V
D11	8-719-800-94	DIODE TLUR144		C703	1-123-332-00	ELECT 47MF	20% 16V
D12	8-719-920-66	DIODE SLR-54VC12		C704	1-129-714-00	FILM 0.01MF	10% 630V
<u>CONNECTOR</u>				C705	1-162-116-00	CERAMIC 680PF	10% 2KV
H11	*1-560-127-00	PLUG, CONNECTOR (2.5MM PITCH)		C706	1-123-356-00	ELECT 10MF	20% 50V
H12	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		C707	1-102-963-00	CERAMIC 33PF	5% 50V
<u>IC</u>				C708	1-102-114-00	CERAMIC 470PF	10% 50V
IC11	8-741-132-30	IC BX-1323		C709	1-102-114-00	CERAMIC 470PF	10% 50V
<u>SWITCH</u>				C710	1-102-114-00	CERAMIC 470PF	10% 50V
S11	1-552-765-00	SWITCH, KEYBOARD		C713	1-102-530-00	CERAMIC 120PF	5% 50V
S12	1-552-765-00	SWITCH, KEYBOARD		<u>DIODE</u>			
S13	1-552-765-00	SWITCH, KEYBOARD		D701	8-719-911-19	DIODE 1SS119	
S14	1-552-765-00	SWITCH, KEYBOARD		D702	8-719-911-19	DIODE 1SS119	
S15	1-553-976-00	SWITCH, PUSH		D703	8-719-911-19	DIODE 1SS119	
S16	1-570-342-11	SWITCH, PUSH (6 KEY)		D704	8-719-911-19	DIODE 1SS119	
*****				D705	8-719-911-19	DIODE 1SS119	
	*1-615-605-11	H2 BOARD		D706	8-719-911-19	DIODE 1SS119	
		*****		D707	8-719-911-19	DIODE 1SS119	
<u>CONNECTOR</u>				D708	8-719-911-19	DIODE 1SS119	
H21	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D709	8-719-911-19	DIODE 1SS119	
<u>RESISTOR</u>				D710	8-719-911-19	DIODE 1SS119	
R21	1-215-784-91	METAL 82K 5% 1/6W		<u>JACK</u>			
R22	1-215-788-91	METAL 120K 5% 1/6W		J701	1-526-814-11	SOCKET, CRT	
R23	1-215-762-91	METAL 10K 5% 1/6W		<u>COIL</u>			
R24	1-215-760-91	METAL 8.2K 5% 1/6W		L701	1-408-613-00	MICRO INDUCTOR 68UH	
<u>VARIABLE RESISTOR</u>				L702	1-421-401-00	COIL, FERRITE CHOKE	
RV21	1-230-916-11	RES, VAR, CARBON 10K		<u>TRANSISTOR</u>			
				Q701	8-729-204-83	TRANSISTOR 2SA1048GR	
				Q702	8-729-204-83	TRANSISTOR 2SA1048GR	
				Q703	8-729-204-83	TRANSISTOR 2SA1048GR	
				Q704	8-729-326-11	TRANSISTOR 2SC2611	
				Q705	8-729-326-11	TRANSISTOR 2SC2611	
				Q706	8-729-326-11	TRANSISTOR 2SC2611	
				Q707	8-729-200-17	TRANSISTOR 2SA1091	
				Q708	8-729-200-17	TRANSISTOR 2SA1091	
				Q709	8-729-200-17	TRANSISTOR 2SA1091	

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

For Service Manuals Contact
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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q710	8-729-255-12	TRANSISTOR 2SC2551		*A-1325-008-A	V BOARD, COMPLETE		
Q711	8-729-255-12	TRANSISTOR 2SC2551		*****			
Q712	8-729-255-12	TRANSISTOR 2SC2551					
Q713	8-729-204-83	TRANSISTOR 2SA1048GR					
				CAPACITOR			
RESISTOR				C2	1-123-379-00	ELECT 0.47MF	20% 50V
R701	1-215-156-00	METAL 1.5K 5% 1/4W		C3	1-123-356-00	ELECT 10MF	20% 16V
R702	1-215-156-00	METAL 1.5K 5% 1/4W		C4	1-106-220-00	MYLAR 0.1MF	10% 100V
R703	1-215-742-91	METAL 1.5K 5% 1/6W		C5	1-123-356-00	ELECT 10MF	20% 16V
R704	1-215-198-00	METAL 82K 5% 1/4W		C6	1-123-380-00	ELECT 1MF	20% 50V
R705	1-215-784-91	METAL 82K 5% 1/6W		C7	1-101-004-00	CERAMIC 0.01MF	50V
R706	1-215-784-91	METAL 82K 5% 1/6W		C8	1-102-651-00	CERAMIC 68PF	5% 50V
R707	1-215-742-91	METAL 1.5K 5% 1/6W		C9	1-123-380-00	ELECT 1MF	20% 50V
R708	1-215-742-91	METAL 1.5K 5% 1/6W		C10	1-102-074-00	CERAMIC 0.001MF	10% 50V
R709	1-215-742-91	METAL 1.5K 5% 1/6W		C11	1-106-220-00	MYLAR 0.1MF	10% 100V
R710	1-215-457-00	METAL 33K 1% 1/6W		C12	1-101-984-00	CERAMIC 47PF	5% 50V
R711	1-215-457-00	METAL 33K 1% 1/6W		C13	1-102-773-00	CERAMIC 330PF	5% 50V
R712	1-215-457-00	METAL 33K 1% 1/6W		C14	1-102-074-00	CERAMIC 0.001MF	10% 50V
R713	1-215-899-11	METAL OXIDE 15K 5% 2W	F	C15	1-123-332-00	ELECT 47MF	20% 16V
R714	1-215-899-11	METAL OXIDE 15K 5% 2W	F	C16	1-123-309-00	ELECT 330MF	20% 6.3V
R715	1-215-899-11	METAL OXIDE 15K 5% 2W	F	C17	1-102-074-00	CERAMIC 0.001MF	10% 50V
R716	1-247-710-11	CARBON 560 5% 1/4W	F	C18	1-102-074-00	CERAMIC 0.001MF	10% 50V
R717	1-247-710-11	CARBON 560 5% 1/4W	F	C19	1-102-973-00	CERAMIC 100PF	5% 50V
R718	1-247-710-11	CARBON 560 5% 1/4W	F	C20	1-123-356-00	ELECT 10MF	20% 16V
R719	1-202-824-00	SOLID 3.3K 10% 1/2W		C21	1-102-074-00	CERAMIC 0.001MF	10% 50V
R720	1-202-824-00	SOLID 3.3K 10% 1/2W		C22	1-123-369-00	ELECT 4.7MF	20% 25V
R721	1-202-824-00	SOLID 3.3K 10% 1/2W		C23	1-123-321-00	ELECT 220MF	20% 16V
R722	1-215-734-91	METAL 680 5% 1/6W		C31	1-106-220-00	MYLAR 0.1MF	10% 100V
R723	1-215-732-91	METAL 560 5% 1/6W		C32	1-106-220-00	MYLAR 0.1MF	10% 100V
R724	1-215-733-91	METAL 820 5% 1/6W		C34	1-106-220-00	MYLAR 0.1MF	10% 100V
R725	1-202-848-00	SOLID 680K 10% 1/2W		C35	1-106-220-00	MYLAR 0.1MF	10% 100V
R727	1-202-719-00	SOLID 1M 10% 1/2W		C36	1-106-220-00	MYLAR 0.1MF	10% 100V
R728	1-202-838-00	SOLID 100K 10% 1/2W		C37	1-106-220-00	MYLAR 0.1MF	10% 100V
R729	1-202-842-91	SOLID 220K 10% 1/2W		C38	1-106-220-00	MYLAR 0.1MF	10% 100V
R730	1-202-846-00	SOLID 470K 10% 1/2W		C39	1-123-298-00	ELECT 470MF	20% 6.3V
R731	1-202-837-00	SOLID 82K 10% 1/2W		C40	1-108-620-91	MYLAR 0.0033MF	10% 100V
R732	1-202-549-00	SOLID 100 10% 1/2W		C42	1-123-330-00	ELECT 22MF	20% 25V
R733	1-214-781-00	METAL 150K 1% 1/4W		C064	1-123-317-81	ELECT 22MF	20% 16V
R734	1-215-224-81	METAL 1M 5% 1/4W		CONNECTOR			
R735	1-202-838-00	SOLID 100K 10% 1/2W		CN1	*1-560-852-00	PLUG, CONNECTOR 7P	
VARIABLE RESISTOR				CN2	*1-560-852-00	PLUG, CONNECTOR 7P	
RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M		CN3	*1-560-852-00	PLUG, CONNECTOR 7P	
RV702	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M		V1	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
RV703A	1-230-619-11	RES, ADJ, METAL GLAZE 110M		V2	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
				V4	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
				V5	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
				V6	*1-508-784-00	1P PLUG	
				V9	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)	
				V11	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
				V12	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
				V13	*1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P	

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

V

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>TRIMMER</u>				R10	1-215-742-91	METAL 1.5K 5% 1/6W	
CV1	1-141-181-11	CAP, TRIMMER		R11	1-215-740-91	METAL 1.2K 5% 1/6W	
<u>DIODE</u>				R12	1-215-730-91	METAL 470 5% 1/6W	
D1	8-719-100-68	DIODE RD13E-B2		R13	1-215-730-91	METAL 470 5% 1/6W	
D2	8-719-100-36	DIODE RD5.6E-B3		R14	1-213-139-00	METAL OXIDE 470 5% 1W	F
D3	8-719-100-36	DIODE RD5.6E-B3		R15	1-247-745-11	CARBON 330 5% 1/2W	
D4	8-719-911-19	DIODE 1SS119		R16	1-215-738-91	METAL 1K 5% 1/6W	
D5	8-719-911-19	DIODE 1SS119		R22	1-215-786-91	METAL 100K 5% 1/6W	
D6	8-719-911-19	DIODE 1SS119		R26	1-215-718-91	METAL 150 5% 1/6W	
D7	8-719-911-19	DIODE 1SS119		R27	1-215-718-91	METAL 150 5% 1/6W	
<u>IC</u>				R28	1-215-718-91	METAL 150 5% 1/6W	
IC1	8-759-950-30	IC SAA5030		R29	1-215-710-91	METAL 68 5% 1/6W	
IC2	8-759-960-40	IC SAA5040B		R30	1-215-762-91	METAL 10K 5% 1/6W	
IC3	8-759-950-20	IC SAA5020		R31	1-215-738-91	METAL 1K 5% 1/6W	
IC4	8-759-950-50	IC SAA5050		R32	1-215-756-91	METAL 5.6K 5% 1/6W	
IC5	8-759-901-28	IC HM6116LP-2		R33	1-215-776-91	METAL 39K 5% 1/6W	
IC6	8-759-900-02	IC SN74LS02N		R34	1-215-754-91	METAL 4.7K 5% 1/6W	
IC7	8-759-900-83	IC SN74LS83AN		R35	1-215-746-91	METAL 2.2K 5% 1/6W	
IC8	8-759-901-61	IC SN74LS161AN		R36	1-215-778-91	METAL 47K 5% 1/6W	
IC9	8-759-901-61	IC SN74LS161AN		R37	1-215-772-91	METAL 27K 5% 1/6W	
<u>COIL</u>				R38	1-215-738-91	METAL 1K 5% 1/6W	
L1	1-404-291-00	COIL		R39	1-215-760-91	METAL 8.2K 5% 1/6W	
<u>TRANSISTOR</u>				R40	1-215-758-91	METAL 6.8K 5% 1/6W	
Q1	8-729-109-53	TRANSISTOR 2SD795A		R41	1-215-746-91	METAL 2.2K 5% 1/6W	
Q2	8-729-109-53	TRANSISTOR 2SD795A		R42	1-215-728-91	METAL 390 5% 1/6W	
Q3	8-729-245-83	TRANSISTOR 2SC2458		R43	1-215-740-91	METAL 1.2K 5% 1/6W	
Q4	8-729-245-83	TRANSISTOR 2SC2458		R44	1-215-738-91	METAL 1K 5% 1/6W	
Q5	8-729-204-83	TRANSISTOR 2SA1048GR		R45	1-215-758-91	METAL 6.8K 5% 1/6W	
Q6	8-729-204-83	TRANSISTOR 2SA1048GR		R46	1-215-762-91	METAL 10K 5% 1/6W	
Q7	8-729-204-83	TRANSISTOR 2SA1048GR		R48	1-215-770-91	METAL 22K 5% 1/6W	
Q8	8-729-245-83	TRANSISTOR 2SC2458		R56	1-215-762-91	METAL 10K 5% 1/6W	
Q9	8-729-245-83	TRANSISTOR 2SC2458		R60	1-215-786-91	METAL 100K 5% 1/6W	
Q10	8-729-245-83	TRANSISTOR 2SC2458		R61	1-215-786-91	METAL 100K 5% 1/6W	
Q11	8-729-245-83	TRANSISTOR 2SC2458		R62	1-215-722-91	METAL 220 5% 1/6W	
Q12	8-729-245-83	TRANSISTOR 2SC2458		R63	1-215-740-91	METAL 1.2K 5% 1/6W	
Q13	8-729-245-83	TRANSISTOR 2SC2458		R64	1-215-734-91	METAL 680 5% 1/6W	
Q14	8-729-245-83	TRANSISTOR 2SC2458		R65	1-215-716-91	METAL 120 5% 1/6W	
<u>RESISTOR</u>				R66	1-215-716-91	METAL 120 5% 1/6W	
R1	1-215-786-91	METAL 100K 5% 1/6W		R67	1-215-716-91	METAL 120 5% 1/6W	
R2	1-215-758-91	METAL 6.8K 5% 1/6W		<u>VARIABLE RESISTOR</u>			
R3	1-215-758-91	METAL 6.8K 5% 1/6W		RV1	1-228-724-00	RES, ADJ, CARBON 10K	
R4	1-215-738-91	METAL 1K 5% 1/6W		RV2	1-226-852-00	RES, ADJ, CARBON 22K	
R5	1-215-742-91	METAL 1.5K 5% 1/6W		RV3	1-228-881-00	RES, ADJ, CARBON 100	
R6	1-215-774-91	METAL 33K 5% 1/6W		<u>TRANSFORMER</u>			
R7	1-215-740-91	METAL 1.2K 5% 1/6W		T1	1-404-292-00	COIL	
R8	1-215-740-91	METAL 1.2K 5% 1/6W		<u>CRYSTAL</u>			
R9	1-215-734-91	METAL 680 5% 1/6W		X01	1-567-162-00	OSCILLATOR, CRYSTAL	

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Ref.No.	Part No.	Description	Remark
---------	----------	-------------	--------

MISCELLANEOUS

	△.1-451-272-31	DEFLECTION YOKE (SY-140A)	
	1-452-032-00	MAGNET, DISK; 10MM Ø	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
	1-452-277-00	MAGNET, BMC	
	△.1-536-683-21	CONNECTOR, COAXIAL ANTENNA	
	△.1-557-124-12	CORD, AC (3 CORE)	
L901	△.1-426-244-12	COIL, DEMAGNETIZATION	
S901	△.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
SP901	1-503-396-21	SPEAKER	
T851	△.1-439-363-21	TRANSFORMER ASSY, FLYBACK	
V901	△.8-737-351-05	CRT (A49JLV10X(N))	

ACCESSORIES AND PACKING MATERIALS

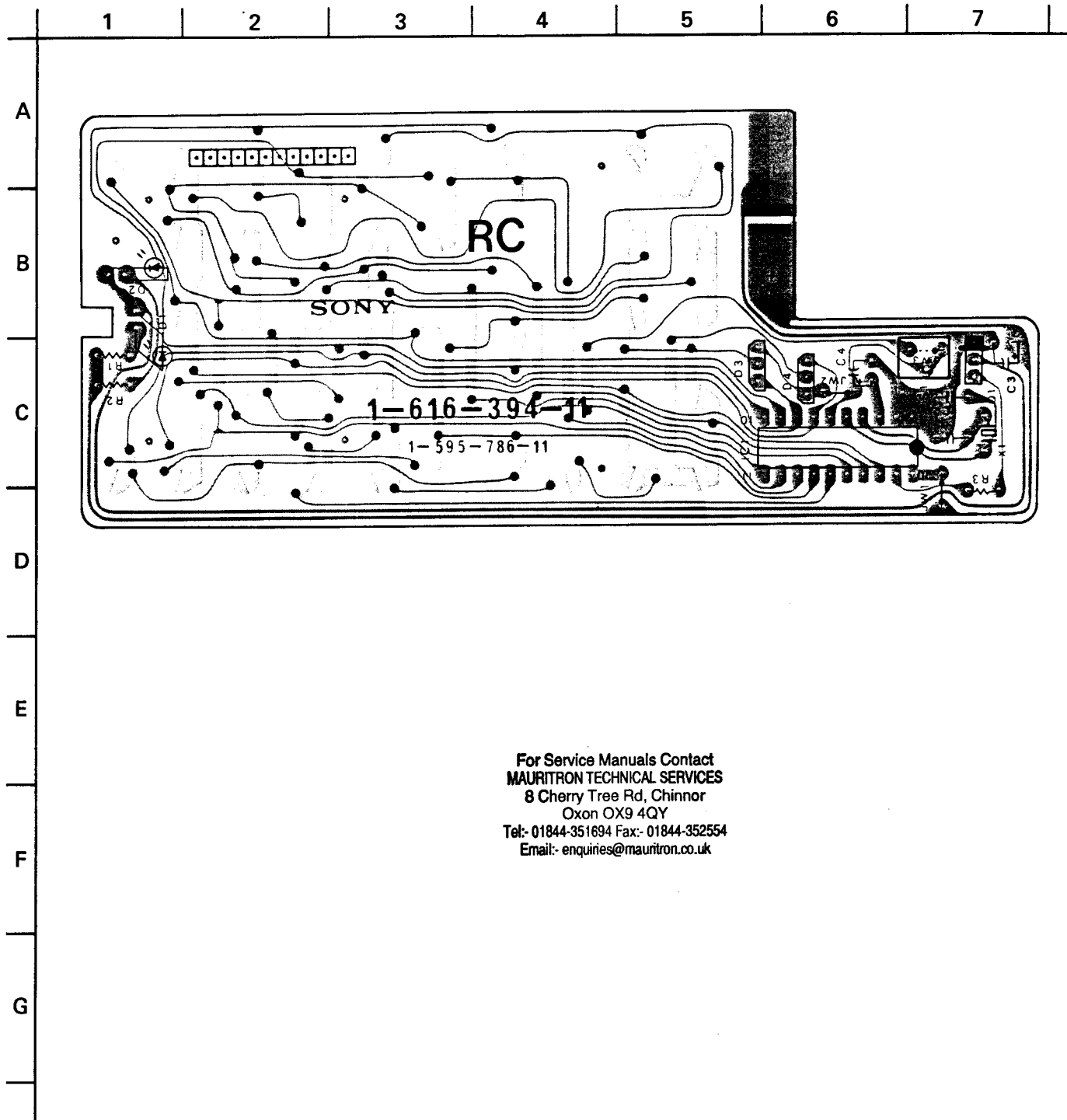
Part No.	Description	Remark
A-1470-704-A	COMMANDER ASSY (RM-641)	
4-309-537-00	BAG, PROTECTION	
4-376-429-01	CUSHION (UPPER) (ASSY)	
4-376-430-01	CUSHION (LOWER) (ASSY)	
4-376-446-01	INDIVIDUAL CARTON	
4-482-139-51	MANUAL, INSTRUCTION	

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

RC

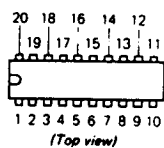
4-2. PRINTED WIRING BOARD — Conductor Side —



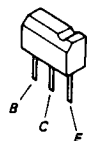
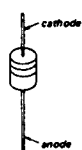
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● SEMICONDUCTORS

M50460-012P



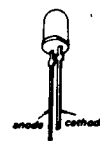
2SC1652

1SS119
1SS133
1SS148

GL-2AR1



SE303AY



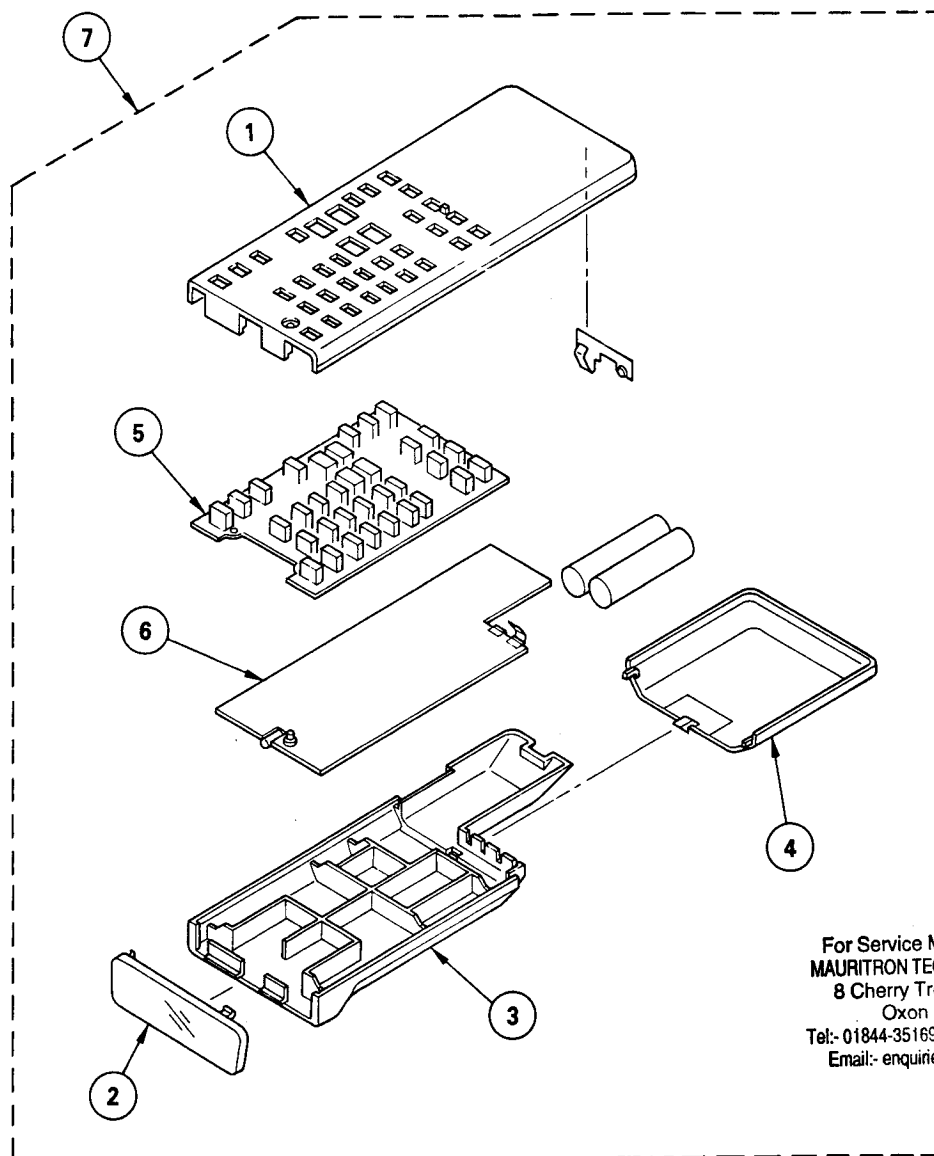
MC921



EXPLODED VIEW

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.



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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4376-406-1	CASE ASSY, UPPER		5	4-376-433-01	SHEET, SILICONE RUBBER	
2	4-372-838-01	FILTER		6	*1-616-394-11	RC BOARD	
3	4-374-183-11	CASE, LOWER		7	A-1470-704-A	COMMANDER ASSY (RM-641)	1-6
4	4-374-179-01	COVER, BATTERY					

RC

4.4. ELECTRICAL PARTS LIST

NOTE:

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

Ref.No.	Part No.	Description	Remark
	*1-616-394-11	RC BOARD *****	
	4-350-924-00	TERMINAL (B), BATTERY	
	4-372-835-01	TERMINAL (A), BATTERY	
<u>CAPACITOR</u>			
C1	1-102-110-00	CERAMIC 220PF 10% 50V	
C2	1-102-110-00	CERAMIC 220PF 10% 50V	
C3	1-123-618-00	ELECT 22MF 20% 6.3V	
C4	1-123-611-00	ELECT 1MF 20% 50V	
<u>DIODE</u>			
D1	8-719-107-82	DIODE SE303AY	
D2	8-719-900-23	DIODE GL-2AR1	
D3	8-719-000-06	DIODE MC921	
D4	8-719-000-06	DIODE MC921	
<u>IC</u>			
IC1	8-759-602-94	IC M50460-021P	
<u>TRANSISTOR</u>			
Q1	8-729-965-22	TRANSISTOR 2SC1652	
<u>RESISTOR</u>			
R1	1-247-767-00	CARBON 2.2 5% 1/6W	
R2	1-215-698-91	METAL 22 5% 1/6W	
R3	1-215-716-91	METAL 120 5% 1/6W	
<u>SWITCH</u>			
S1	1-553-977-41	SWITCH, SLIDE	
<u>CRYSTAL</u>			
X1	1-527-476-00	OSCILLATOR, CERAMIC	

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SONY TRINITRON® COLOUR TV KV-2096UB/RM-641


SCHEMATIC DIAGRAM

UK Model

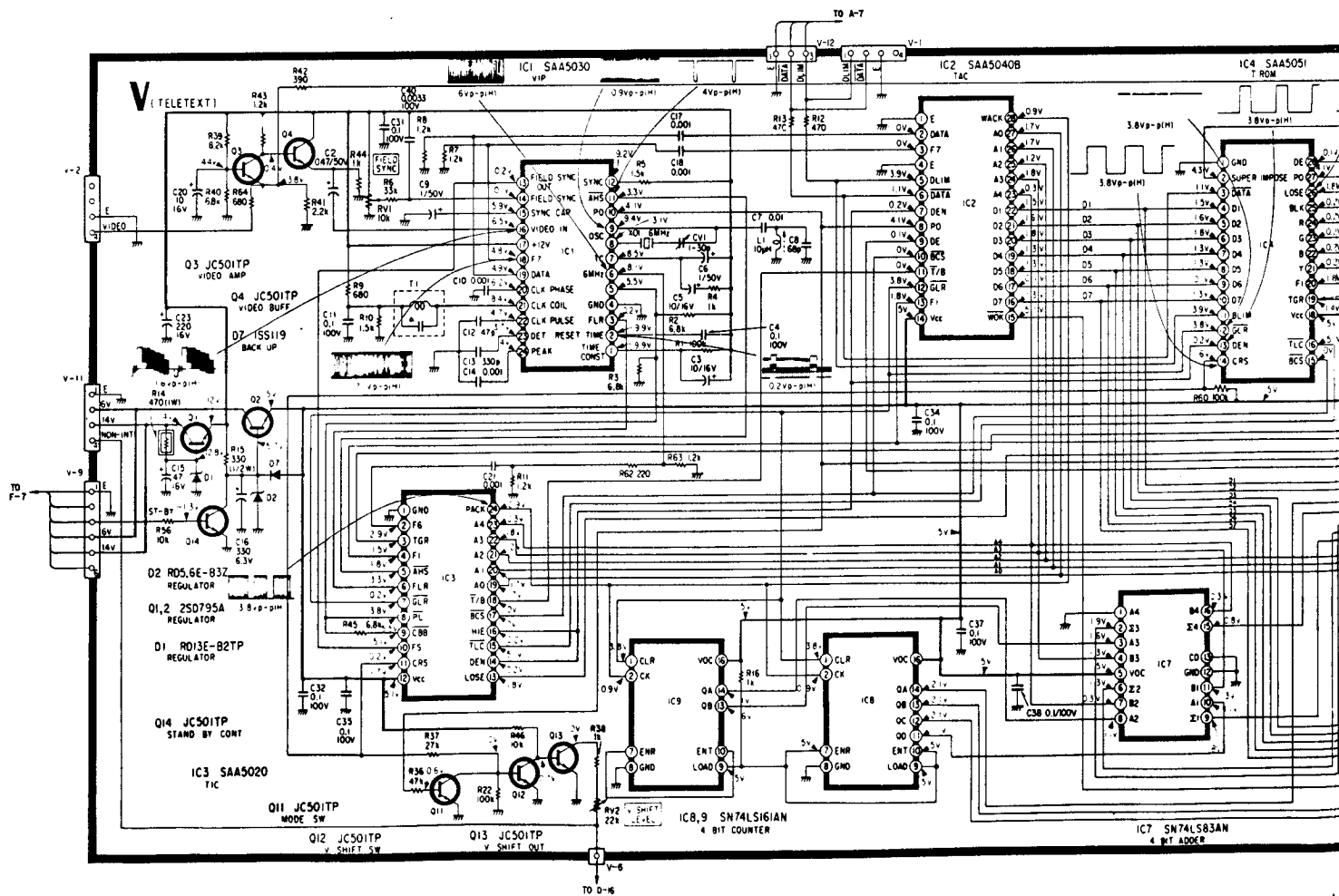
Chassis No. SCC-659C-A

XE-4 CHASSIS

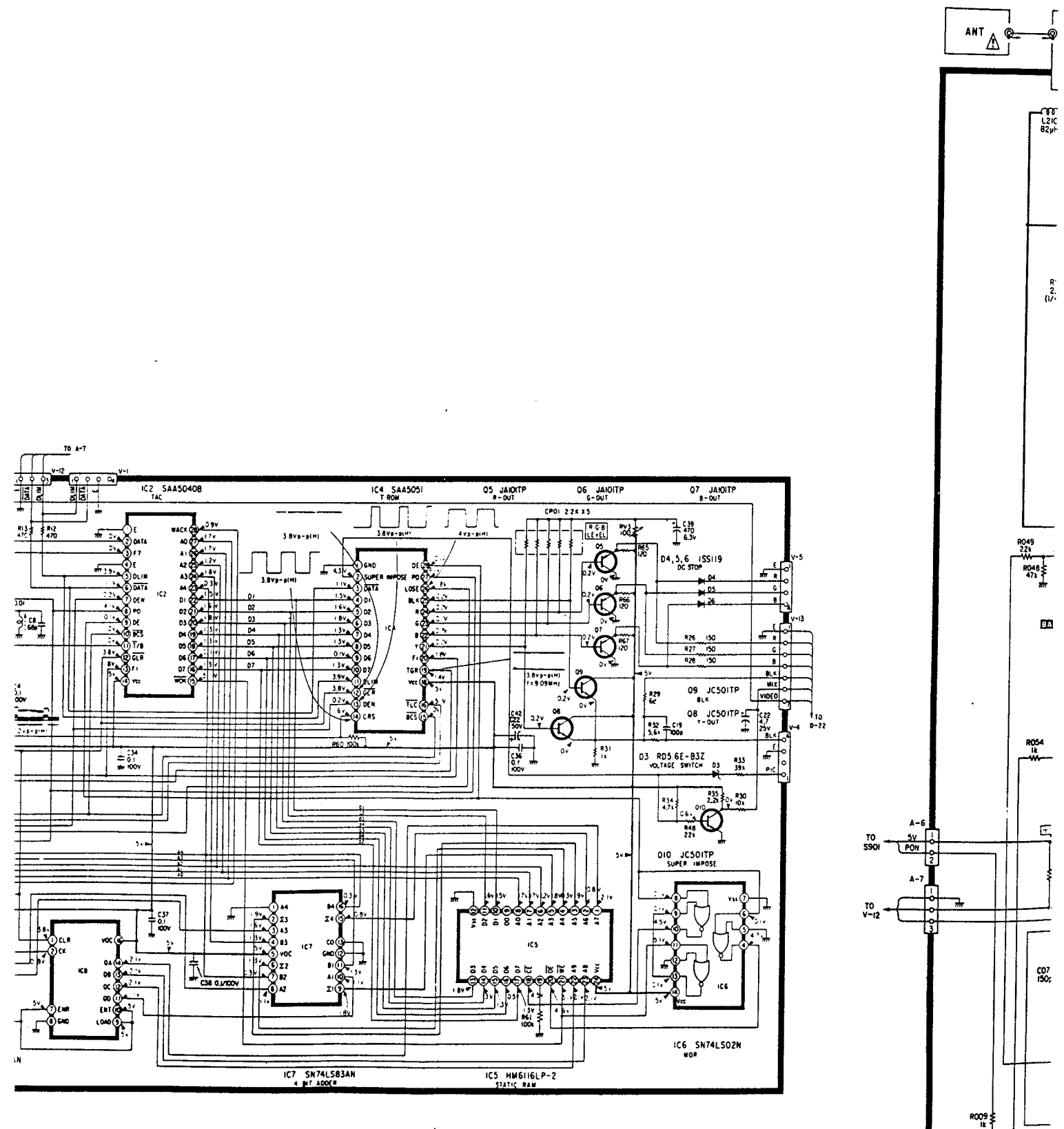
SAFETY-RELATED COMPONENT WARNING !!

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. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

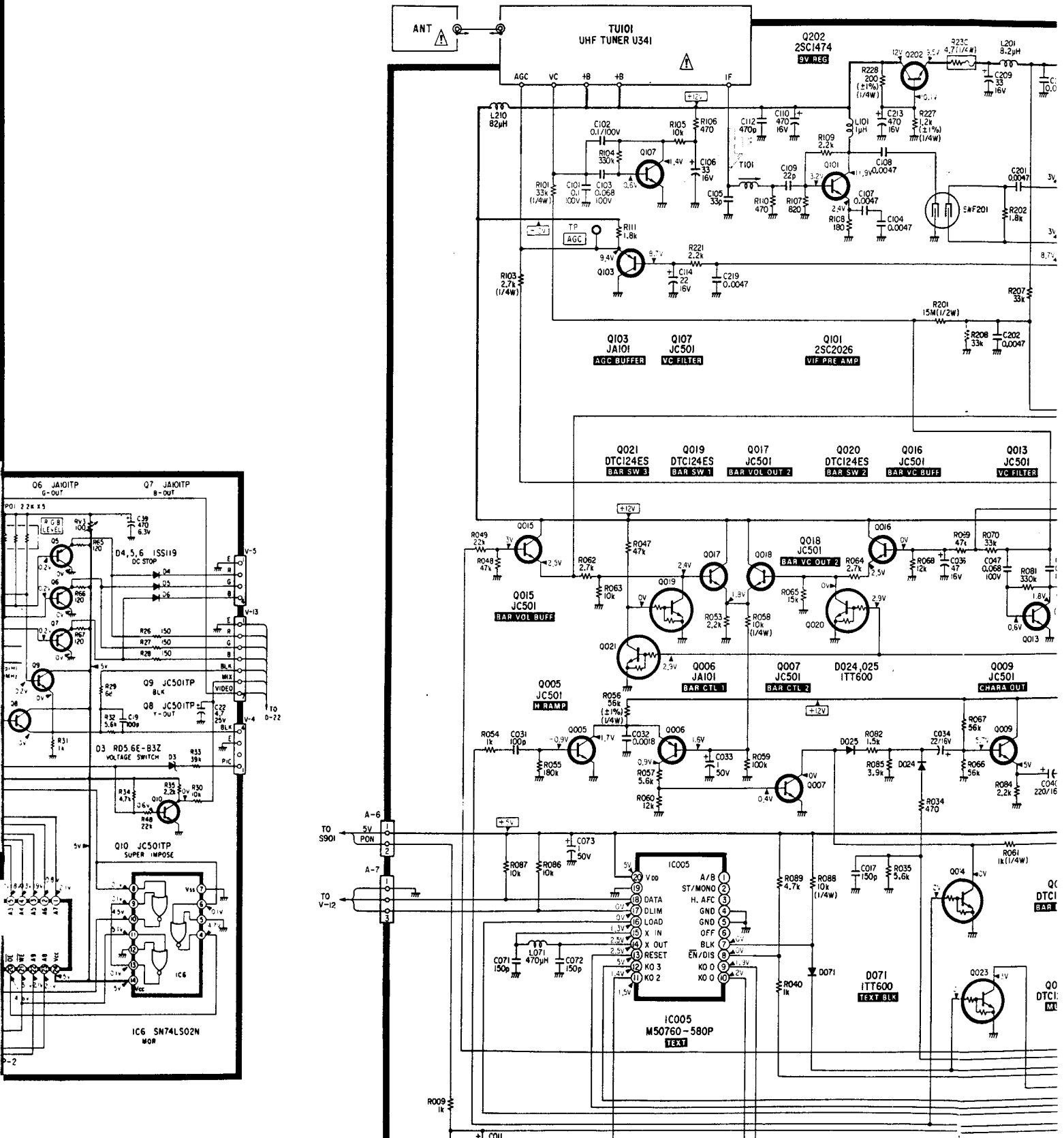
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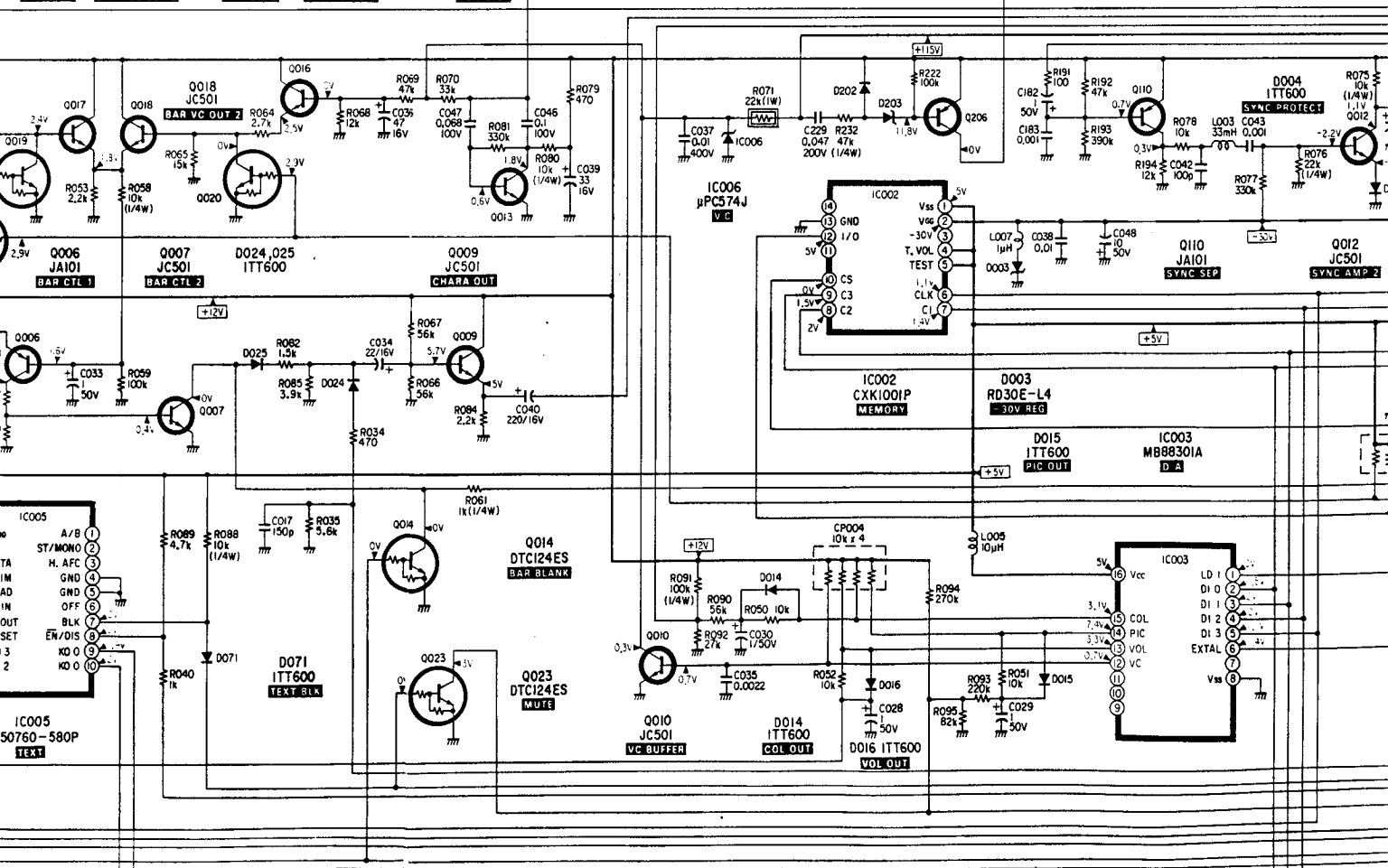
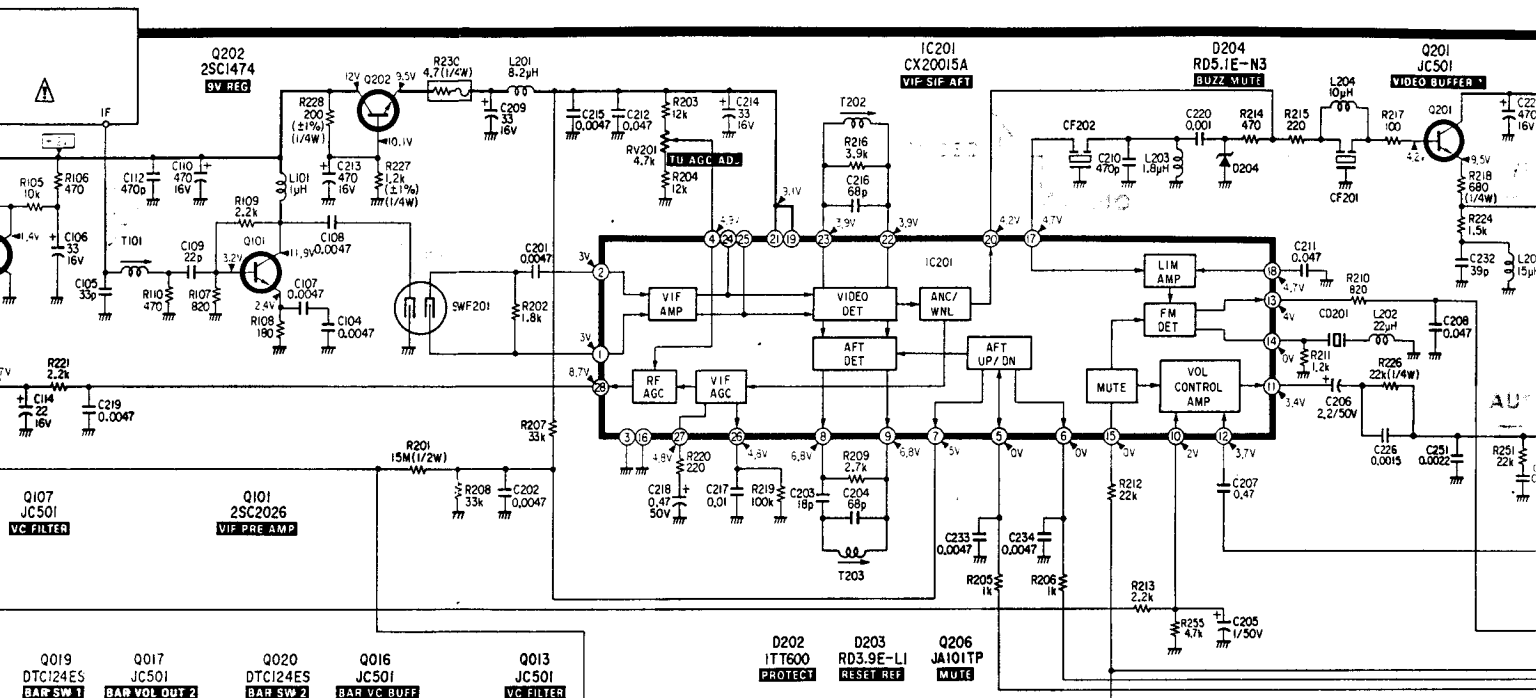


MATIC DIAGRAM

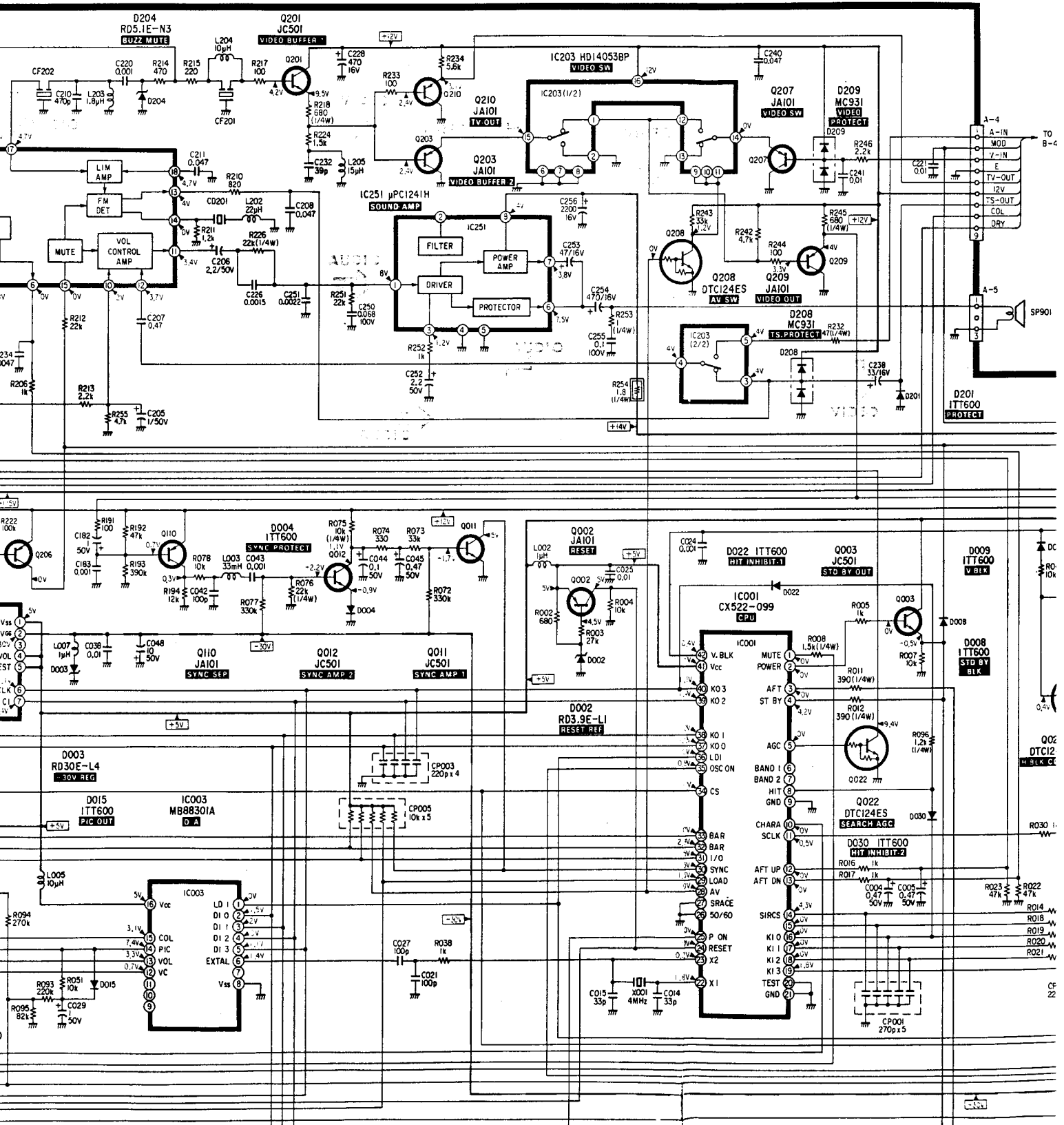


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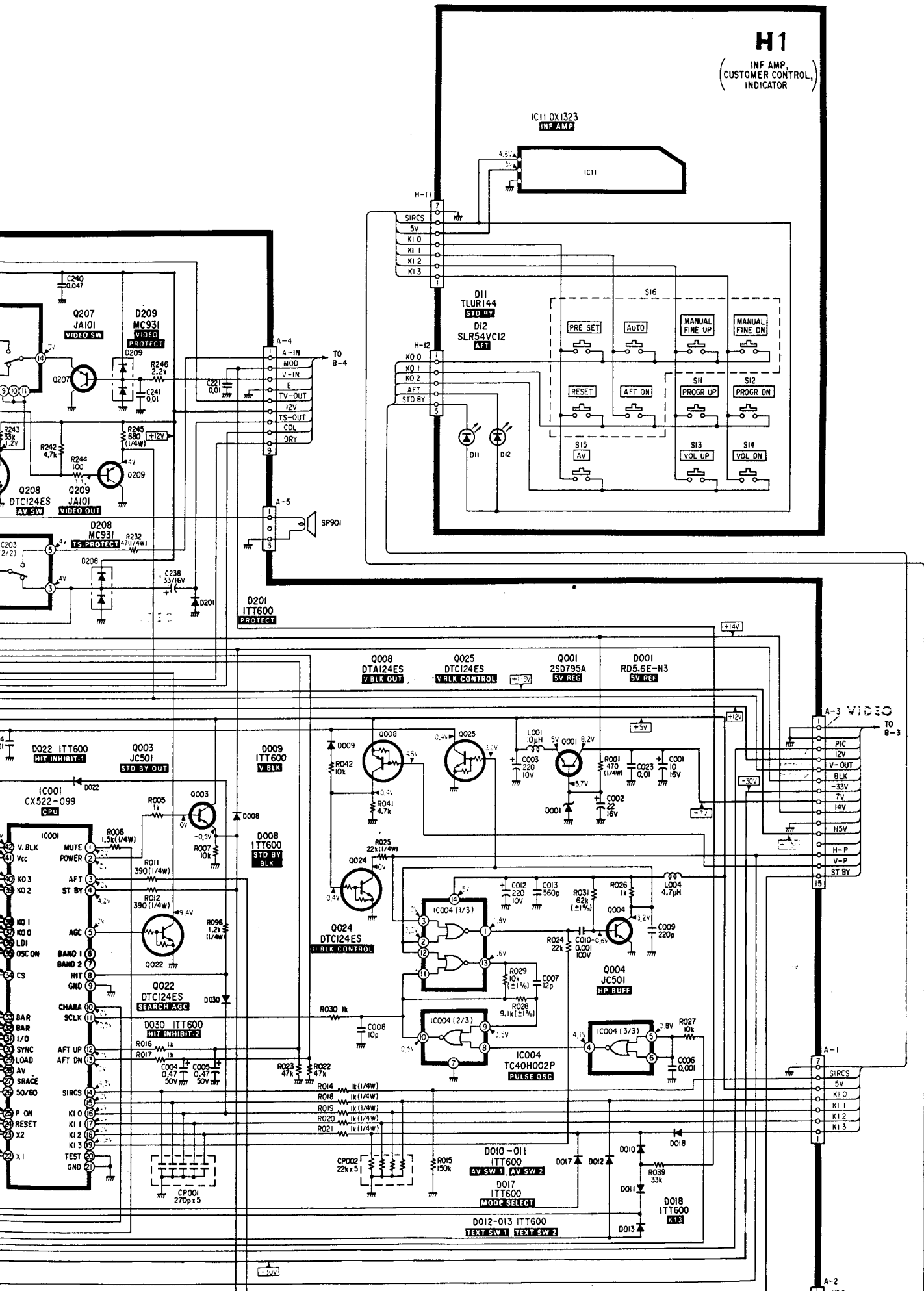


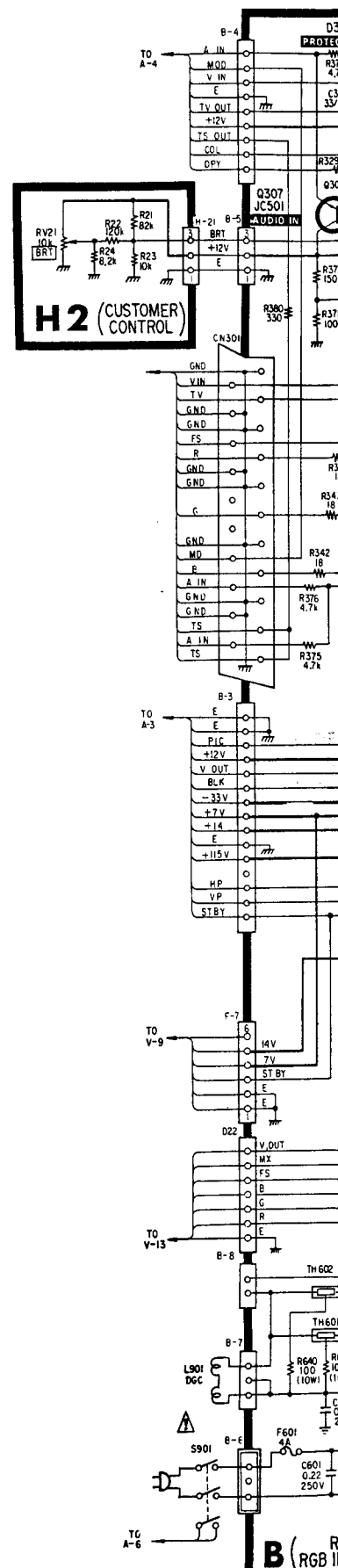


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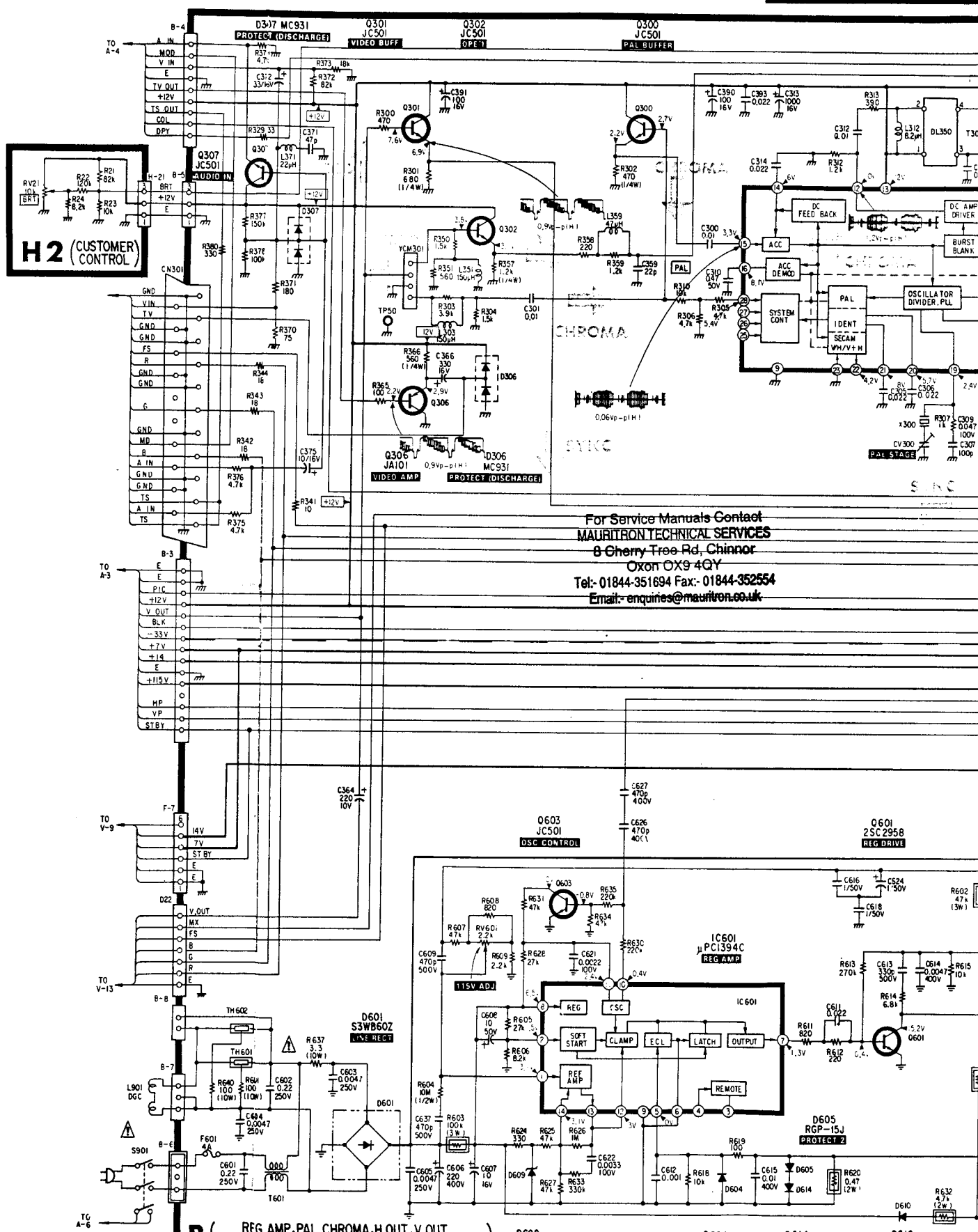


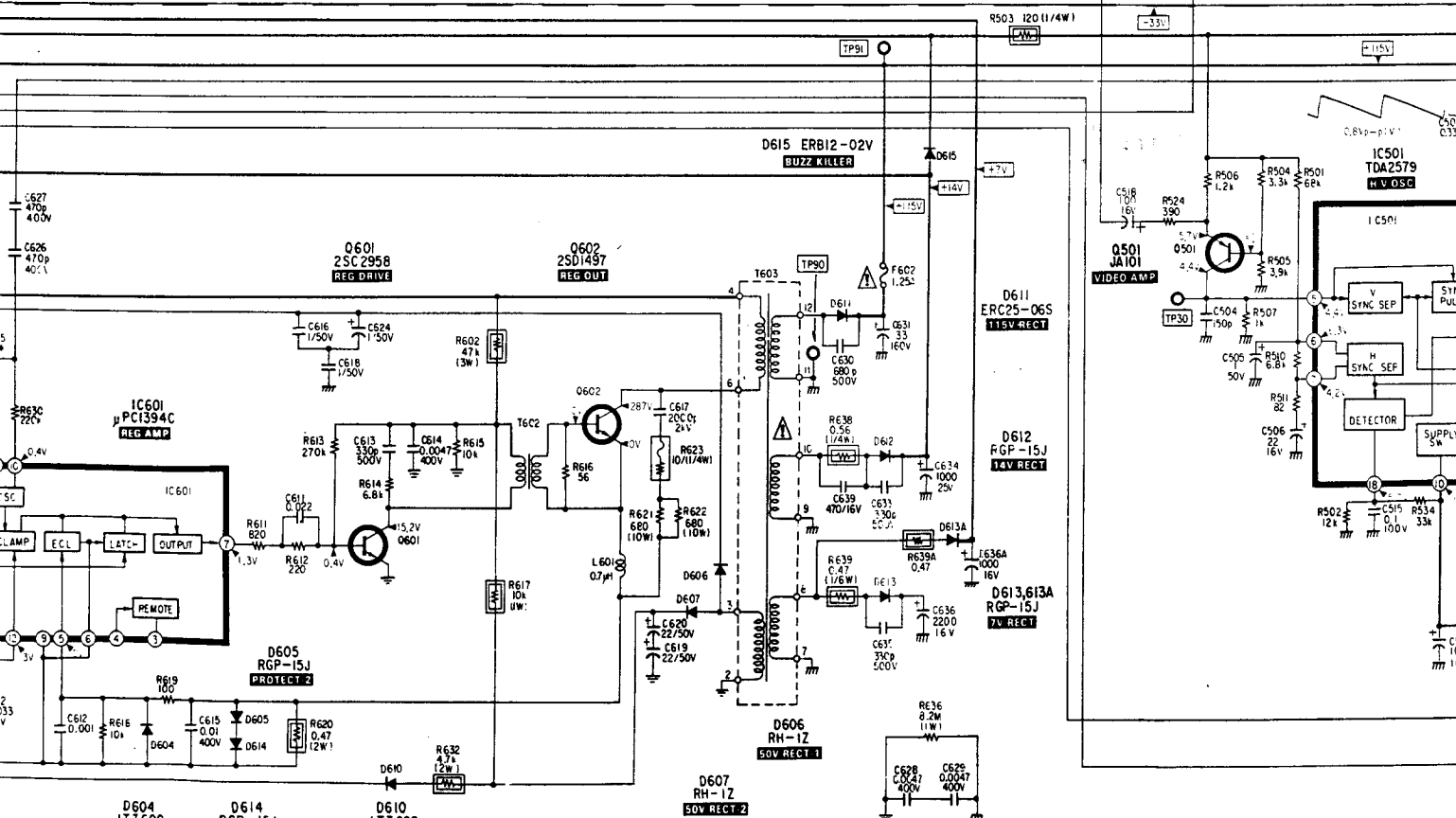
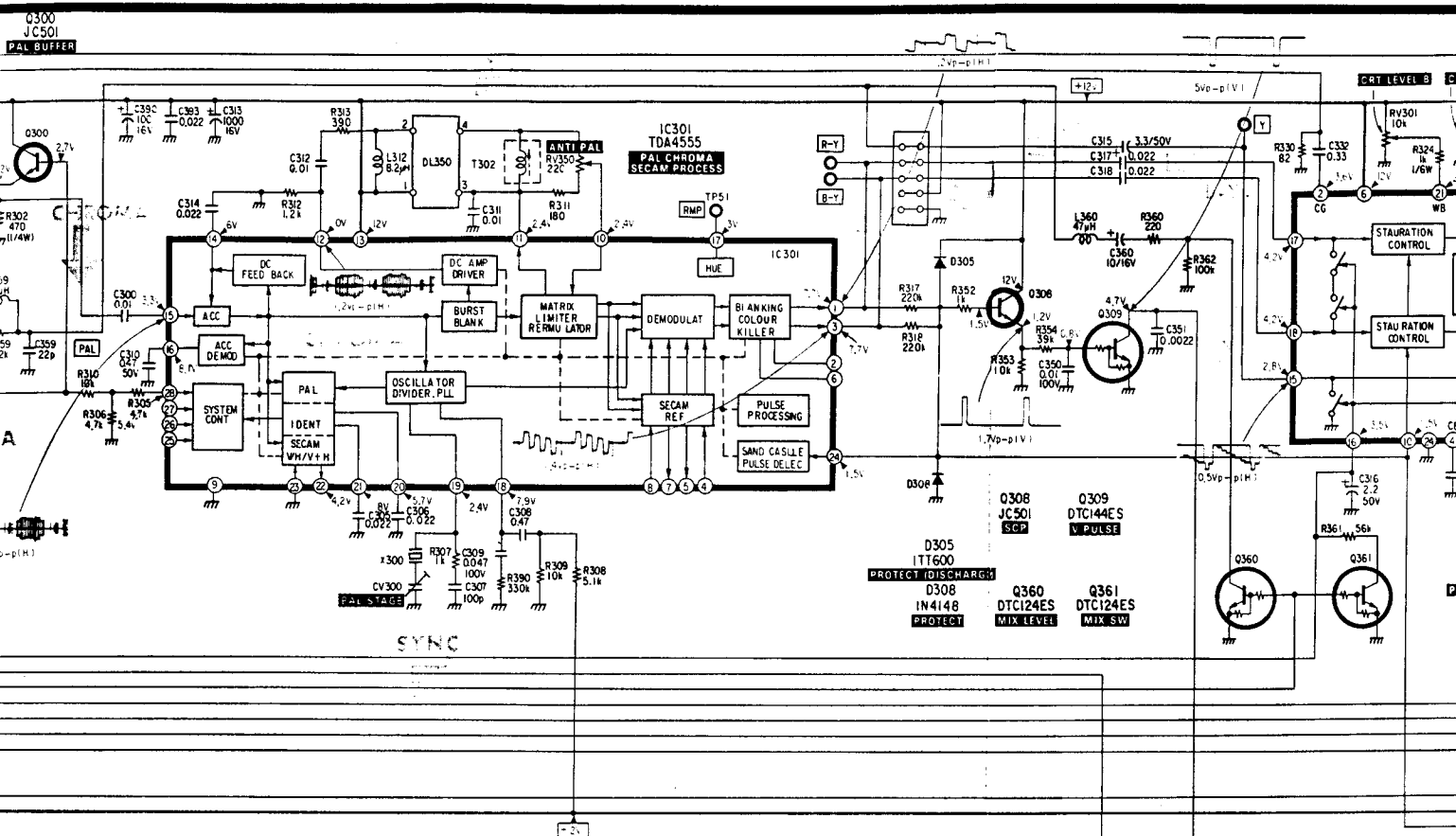
(KV-2096UB/RM-641)



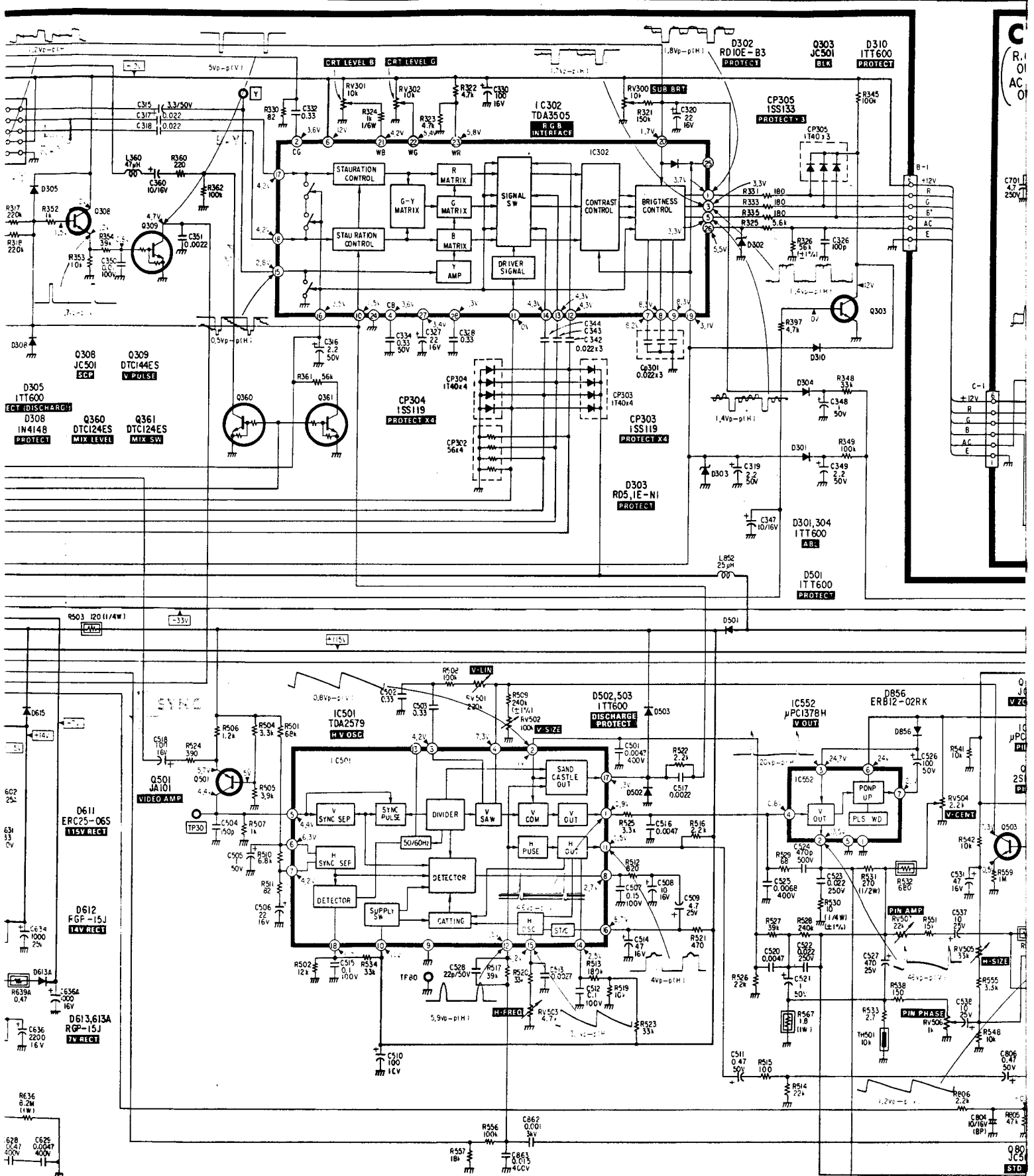


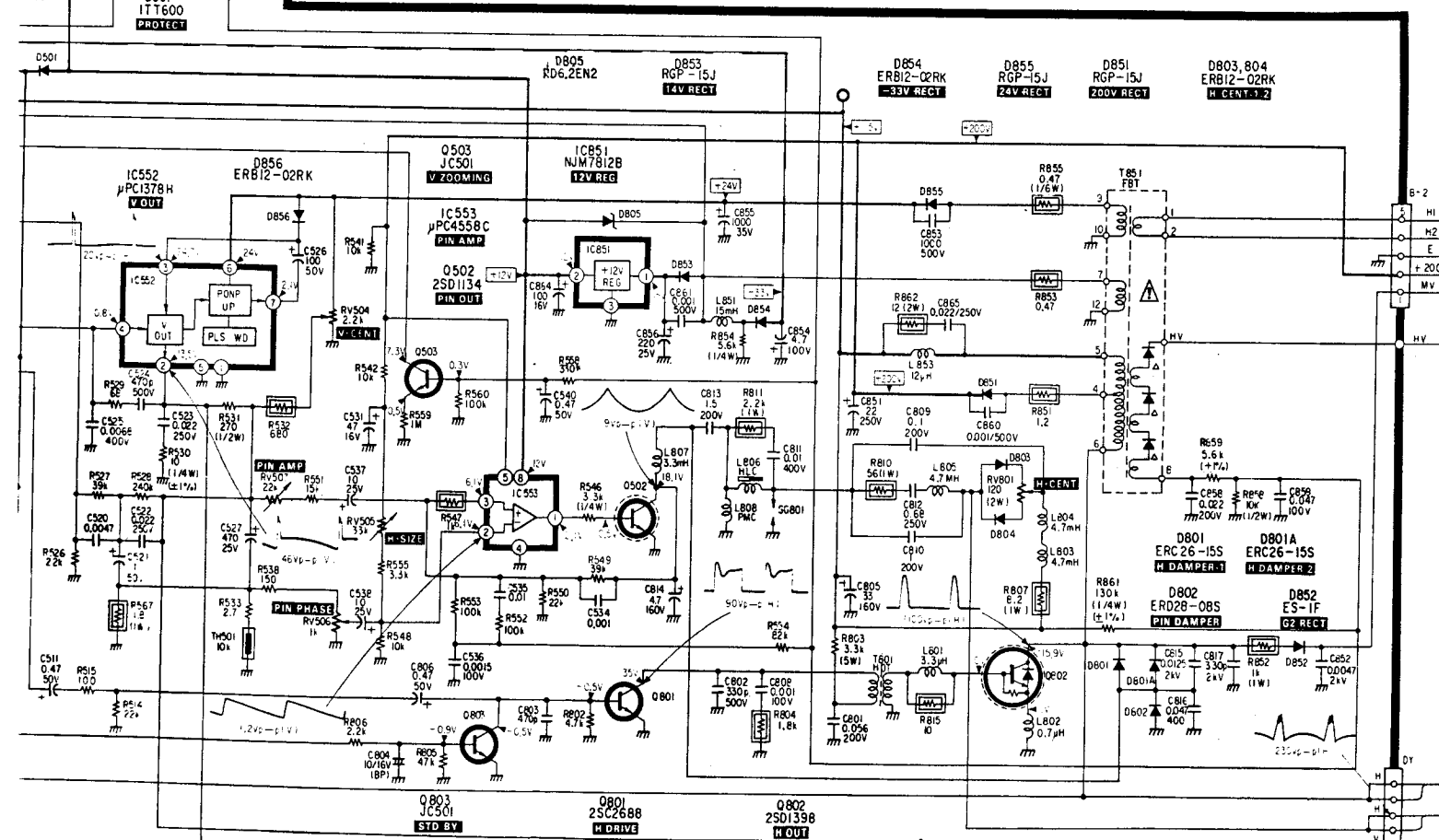
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SOUND AMP, BAR CTL, SYNC AM
BAR VOL, AGC BUF

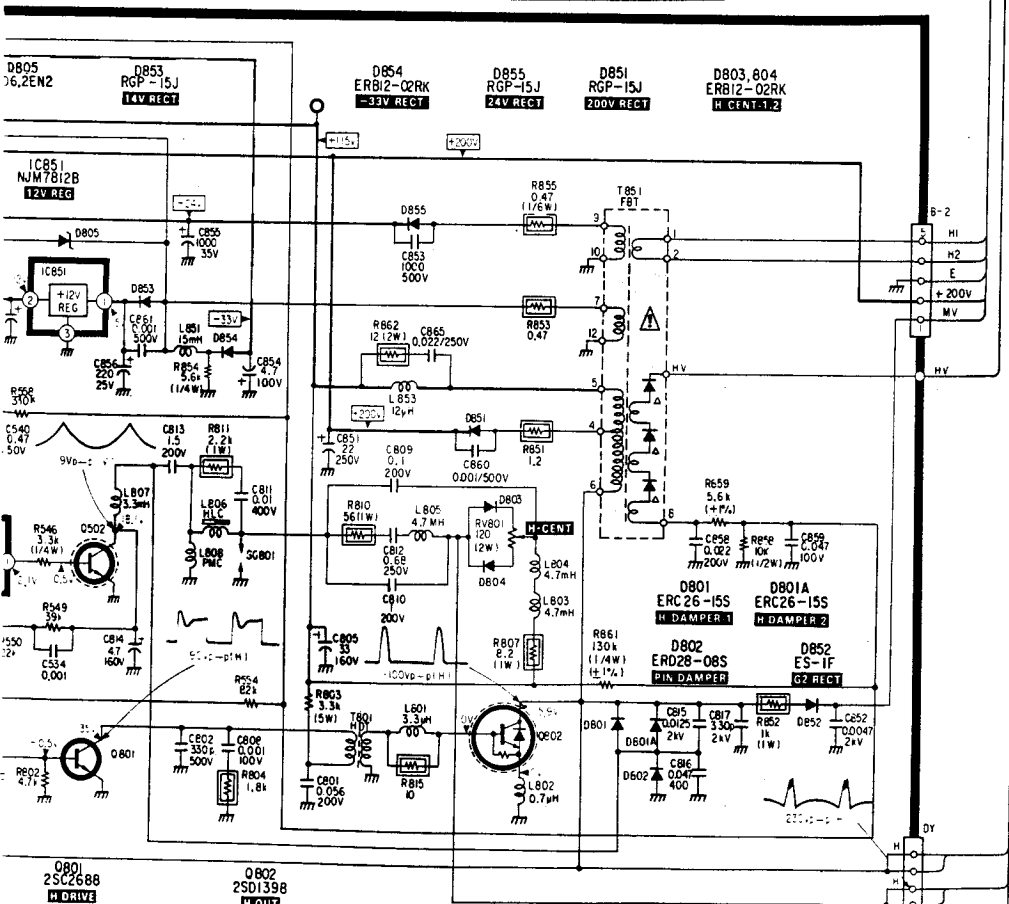
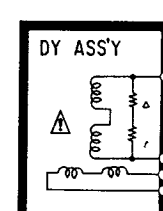




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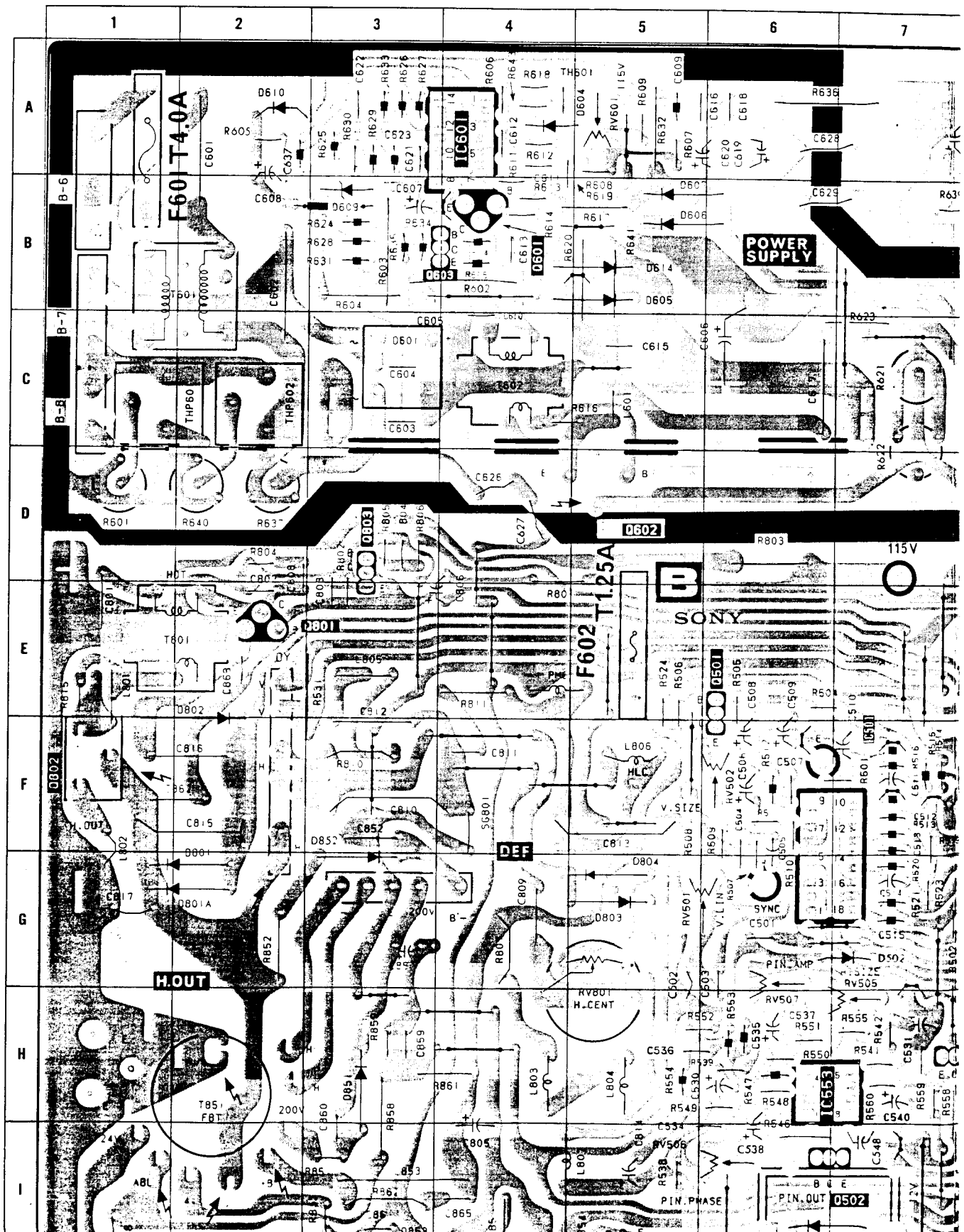
PRINTED WIRING BOARDS

Note: All mounting diagrams are viewed from conductor side.

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B

[REG AMP, PAL CHROMA, H OUT, V OUT,
RGB INTERPHASE, H-V OSC, PIN AMP, VIDEO AMP]



OUT,
MP, VIDEO AMP]

V-LINE ADJ

RV501 = G-5

V-CENT ADJ

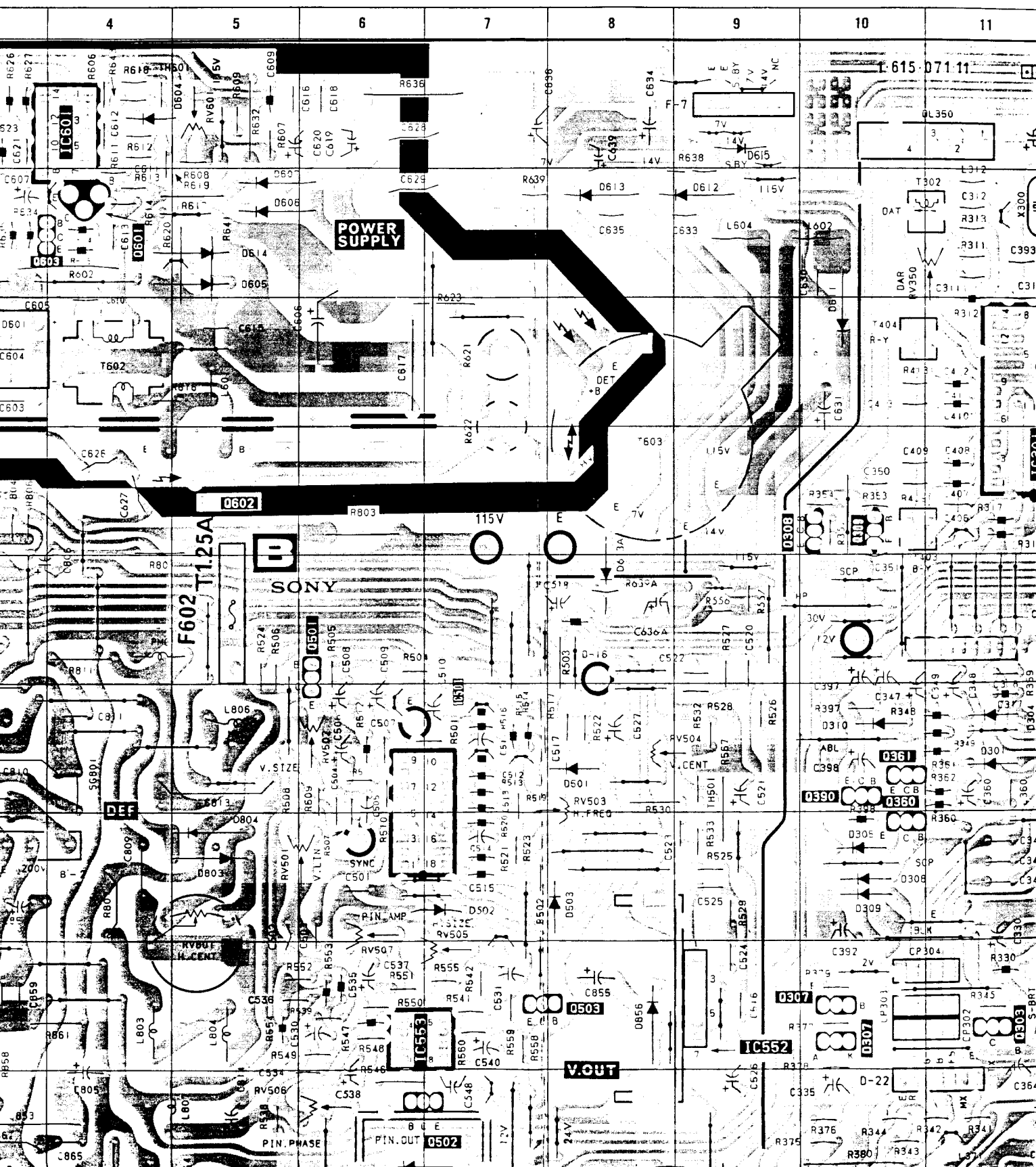
RV504 = F-9

H-SIZE ADJ

RV505 = G-7

H-CENT ADJ

RV801 = G-5



RV501 = G-5

RV504 = F-9

RV505 = G-7

RV801 = G-5

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115 V ADJ

RV601 = A

1. Connect digital multimeter a
2. Adjust RV601 for 115 ± 0.5 V

diq

D-7

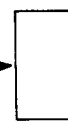
H-FREQ

RV503 = F-

1. Connect the TP30 and TP8
2. Adjust RV503 for stable p_i
3. Disconnect a capacitor.



f_0 : too low

 $f_0 : S_L$ $(f_0 = 15.625$

PAL STAGE

CV300 =

1. Feed in a PAL colour-bar generator.
2. Set to the PAL mode.
3. Short circuit between pin 1 and 2 with a jumper wire.
4. Adjust CV300 for the stab

SUB BRT

RV300 = H

1. Feed in a PAL colour-bar generator.
2. PICTURE control
COLOUR control
BRIGHT control
3. Connect a digital multimeter to ground.
4. Adjust RV300 for 1.75 ± meter.

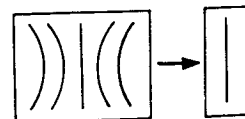
diq

G-12

PIN AMP

RV507 = H

Adjust left and right pin with



PIN PHASE

RV506

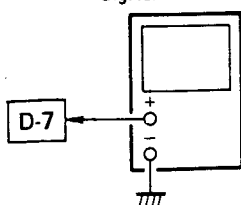
Adjust with RV506 so that
are parallel.

115 V ADJ

RV601 = A-5

1. Connect digital multimeter across TP91 and ground.
2. Adjust RV601 for 115 ± 0.5 V dc on the digital multimeter.

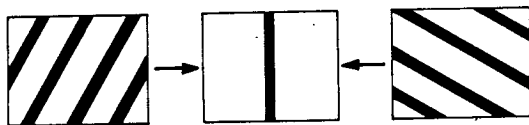
digital multimeter



H-FREQ

RV503 = F-8

1. Connect the TP30 and TP80 (ground).
2. Adjust RV503 for stable picture.
3. Disconnect a capacitor.

(fo = 15.625 kHz ± 50 Hz)

PAL STAGE

CV300 = B-12

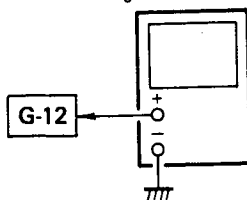
1. Feed in a PAL colour-bar signal from colour-bar/pattern generator.
2. Set to the PAL mode.
3. Short circuit between pin 17 of IC301 and ground with a jumper wire.
4. Adjust CV300 for the stable colour pattern.

SUB BRT

RV300 = H-12

1. Feed in a PAL colour-bar signal from colour-bar/pattern generator.
2. PICTURE control Minimum
COLOUR control Center position
BRIGHT control Center position
3. Connect a digital multimeter across pin 20 of IC302 and ground.
4. Adjust RV300 for 1.75 ± 0.05 V dc on the digital multimeter.

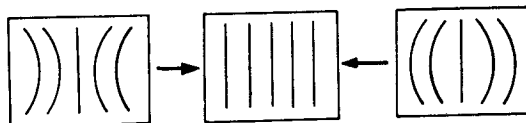
digital multimeter



PIN AMP

RV507 = H-6

Adjust left and right pin with RV507.



PIN PHASE

RV506 = I-5

Adjust with RV506 so that the left and right vertical line

B

C									
C300	B-12	C522	E-8	C813	F-5	D614	B-5		
C301	C-13	C523	G-8	C814	I-5	D801	G-2		
C305	C-12	C524	H-9	C815	F-2	D801A	G-2		
C306	C-12	C525	G-9	C816	F-2	D802	E-2		
C307	B-12	C526	I-9	C817	G-1	D803	G-5		
C308	B-12	C527	F-8	C851	G-3	D804	G-5		
C309	C-12	C530	H-5	C852	G-3	D805	J-5		
C310	C-12	C531	H-7	C853	J-3	D851	H-3		
C311	B-11	C534	I-5	C854	J-7	D852	F-3		
C312	B-11	C535	H-6	C855	H-8	D853	I-3		
C313	A-11	C536	H-5	C856	I-4	D854	I-6		
C314	B-11	C537	H-6	C858	I-1	D855	J-3		
C315	F-11	C538	I-6	C859	H-3	D856	H-8		
C316	F-13	C540	H-7	C860	H-3			DL	
C317	F-11	C601	A-2	C861	I-3				
C318	F-11	C602	B-2	C862	F-1			DL350 A-11	
C319	G-13	C603	C-3	C863	E-2				
C320	G-13	C604	C-3	C864	J-8				
C326	I-13	C605	C-3	C865	I-4				
C327	H-13	C606	C-5	CN				F	
C328	H-13	C607	B-3	B1	H-12	F601	A-1		
C330	G-11	C608	B-2	B2	G-3	F602	E-5		
C332	H-11	C609	A-5	B3	D-13			IC	
C334	G-12	C610	B-4	B4	I-13				
C342	G-11	C611	A-4	B5	E-13				
C343	G-11	C612	A-4	B6	B-1	IC301	D-11		
C344	G-11	C613	B-4	B7	C-1	IC302	F-12		
C347	F-11	C614	B-4	B8	C-1	IC501	F-7		
C348	F-11	C615	C-5	CN301	J-10	IC552	H-9		
C349	F-11	C616	A-6	D16	E-8	IC553	H-6		
C350	D-10	C617	C-6	D22	I-11	IC501	A-4		
C351	E-10	C618	A-6	F7	A-9	IC851	J-5		
C359	E-11	C619	A-6	CV				L	
C360	F-11	C620	A-6	CV300	B-12	L303	D-13		
C364	I-11	C621	A-3			L312	B-11		
C366	I-11	C622	A-3			L351	E-12		
C372	I-12	C626	D-4			L359	E-12		
C390	E-12	C627	D-4			L360	F-11		
C391	I-13	C628	A-6	D		L601	C-5		
C393	B-11	C629	B-6	D301	F-11	L801	E-1		
C501	G-6	C630	B-10	D302	H-13	L802	F-1		
C502	G-5	C631	C-10	D303	F-13	L803	H-4		
C503	G-6	C633	B-9	D304	F-11	L804	H-5		
C504	F-6	C635	B-8	D305	G-10	L805	E-3		
C505	F-6	C636	A-7	D308	G-10	L806	F-5		
C506	F-6	C636A	E-8	D501	F-8	L807	I-5		
C507	F-6	C637	A-2	D502	G-7	L808	E-4		
C508	E-6	C639	A-8	D503	G-8	L851	I-4		
C509	E-6	C801	E-1	D601	C-3	L852	I-8		
C510	E-7	C802	D-2	D604	A-4	L853	I-3		
C511	F-7	C803	E-3	D605	B-5				
C512	F-7	C804	D-3	D606	B-5				
C513	F-7	C805	I-4	D607	B-5				
C514	G-7	C806	E-4	D609	B-3				
C515	G-7	C808	D-2	D610	A-2				
C516	H-9	C809	G-4	D611	C-10				
C517	F-8	C810	F-3	D612	B-9				
C518	E-8	C811	F-4	D613	B-8				
C520	E-9	C812	E-3	D613A	E-8				
C521	F-9								

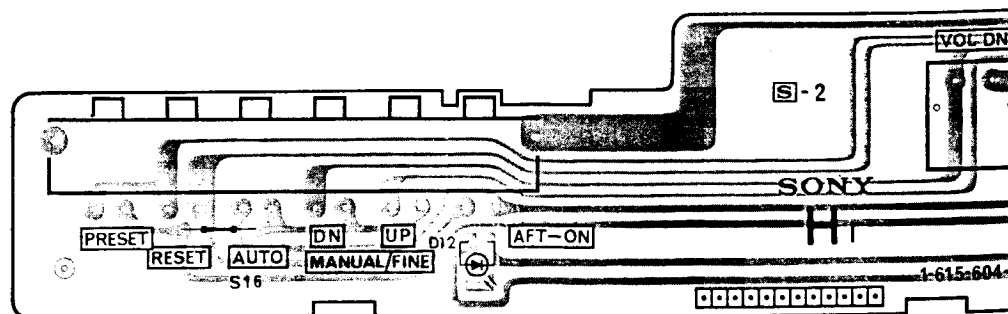
C

C		C522 E-8 C523 G-8 C524 H-9 C525 G-9 C526 I-9 C527 F-8 C530 H-5 C531 H-7 C534 I-5 C535 H-6 C536 H-5 C537 H-6 C538 I-6 C540 H-7 C601 A-2 C602 B-2 C603 C-3 C604 C-3 C605 C-3 C606 C-5 C607 B-3 C608 B-2 C609 A-5 C610 B-4 C611 A-4 C612 A-4 C613 B-4 C614 B-4 C615 C-5 C616 A-6 C617 C-6 C618 A-6 C619 A-6 C620 A-6 C621 A-3 C622 A-3 C626 D-4 C627 D-4 C628 A-6 C629 B-6 C630 B-10 C631 C-10 C633 B-9 C634 A-8 C635 B-8 C636 A-7 C636A E-8 C637 A-2 C639 A-8 C801 E-1 C802 D-2 C803 E-3 C804 D-3 C805 I-4 C806 E-4 C808 D-2 C809 G-4 C810 F-3 C811 F-4 C812 E-3	C813 F-5 C814 I-5 C815 F-2 C816 F-2 C817 G-1 C851 G-3 C852 G-3 C853 J-3 C854 J-7 C855 H-8 C856 I-4 C858 I-1 C859 H-3 C860 H-3 C861 I-3 C862 F-1 C863 E-2 C864 J-8 C865 I-4 CN B1 H-12 B2 G-3 B3 D-13 B4 I-13 B5 E-13 B6 B-1 B7 C-1 B8 C-1 CN301 J-10 D16 E-8 D22 I-11 F7 A-9 CV CV300 B-12 D D301 F-11 D302 H-13 D303 F-13 D304 F-11 D305 G-10 D308 G-10 D501 F-8 D502 G-7 D503 G-8 D601 C-3 D604 A-4 D605 B-5 D606 B-5 D607 B-5 D609 B-3 D610 A-2 D611 C-10 D612 B-9 D613 B-8 D613A E-8	D614 B-5 D801 G-2 D801A G-2 D802 E-2 D803 G-5 D804 G-5 D805 J-5 D851 H-3 D852 F-3 D853 I-3 D854 I-6 D855 J-3 D856 H-8 DL DL350 A-11 F F601 A-1 F602 E-5 IC IC301 D-11 IC302 F-12 IC501 F-7 IC552 H-9 IC553 H-6 IC601 A-4 IC851 J-5 L L303 D-13 L312 B-11 L351 E-12 L359 E-12 L360 F-11 L601 C-5 L801 E-1 L802 F-1 L803 H-4 L804 H-5 L805 E-3 L806 F-5 L807 I-5 L808 E-4 L851 I-4 L852 I-8 L853 I-3	Q Q300 C-13 Q301 A-13 Q302 F-12 Q303 H-11 Q306 I-12 Q307 H-10 Q308 D-10 Q309 D-10 Q360 F-10 Q361 F-10 Q501 E-6 Q502 I-7 Q503 H-8 Q601 B-4 Q602 D-5 Q603 B-3 Q801 E-2 Q802 F-1 Q803 D-3 R R300 B-13 R301 A-12 R302 B-13 R303 D-13 R304 C-13 R305 D-12 R306 D-12 R307 B-12 R308 B-12 R309 A-12 R310 C-13 R311 B-11 R312 C-11 R313 B-11 R317 D-11 R318 D-11 R321 H-12 R322 G-13 R323 G-13 R324 G-13 R325 H-12 R326 I-13 R329 I-12 R330 H-11 R331 H-12 R333 H-12 R335 H-12 R345 H-11 R348 F-10 R349 F-11 R350 E-12 R351 E-12 R352 D-10 R353 D-10 R354 D-10 R357 E-12 R358 F-12 R359 F-11 R360 F-11 R361 F-11	R365 I-2 R366 I-12 R370 I-11 R372 I-12 R373 I-12 R375 I-10 R376 I-10 R377 H-10 R378 H-10 R379 H-10 R390 C-12 R397 F-10 R501 F-7 R503 E-8 R504 E-6 R505 E-6 R506 E-5 R507 G-6 R508 F-5 R509 F-6 R510 G-6 R511 F-6 R512 F-6 R513 F-7 R514 F-7 R515 F-7 R516 F-7 R517 F-8 R519 F-7 R520 G-7 R521 G-7 R522 F-8 R523 G-7 R524 E-5 R525 G-9 R526 F-9 R527 E-9 R528 F-9 R529 G-9 R530 F-8 R531 E-3 R532 F-9 R533 G-9 R538 I-5 R539 H-5 R541 H-7 R542 H-7 R546 I-6 R547 H-6 R548 H-6 R549 H-5 R550 H-6 R551 H-6 R552 H-5 R553 H-6 R554 H-5 R555 H-7 R556 E-9 R557 E-9 R558 H-7	R559 H-7 R560 H-7 R567 F-9 R601 D-1 R602 B-4 R603 B-3 R604 B-3 R605 A-2 R606 A-4 R607 A-5 R608 B-5 R609 A-5 R611 A-4 R612 A-4 R613 B-4 R614 B-4 R615 B-4 R616 C-5 R617 B-5 R618 A-5 R619 B-5 R620 B-4 R621 C-7 R622 D-7 R623 B-7 R624 B-3 R625 A-3 R626 A-3 R627 A-3 R628 B-3 R630 A-3 R631 B-3 R632 A-5 R633 A-3 R634 B-3 R635 B-3 R636 A-6 R637 D-2 R638 A-9 R639 B-7 R639A E-8 R640 D-2 R802 D-3 R803 D-6 R804 D-2 R805 D-3 R806 D-3 R807 G-4 R810 F-3 R811 E-4 R815 E-1 R851 I-3 R852 G-2 R853 I-3 R854 I-5 R855 J-2 R858 H-3 R859 H-3 R861 H-4 R862 I-3	RV RV300 H-12 RV301 G-13 RV302 H-13 RV350 B-10 RV501 G-5 RV502 F-6 RV503 F-8 RV504 F-9 RV505 G-7 RV506 I-5 RV507 H-6 RV601 A-5 RV801 G-5 SG SG801 F-4 T T302 B-10 T601 B-2 T602 C-4 T603 D-8 T801 E-1 TH TH501 F-9 THP601 C-2 THP602 C-2 X X300 B-11 YCM YCM301 E-13
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For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@mauritron.co.uk

H1

[INF AMP, CUSTOMER CONTROL, INDICATOR]

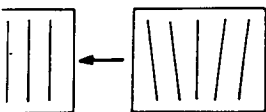


1. Tune in an off air signal.
2. Connect an dual-trace oscilloscope to the IC1 pin V-2 connector pin ①.
3. Extend the vertical sync portion.
4. Adjust RV1 to obtain the waveform on the os as shown below.

1-5

V

the left and right vertical line

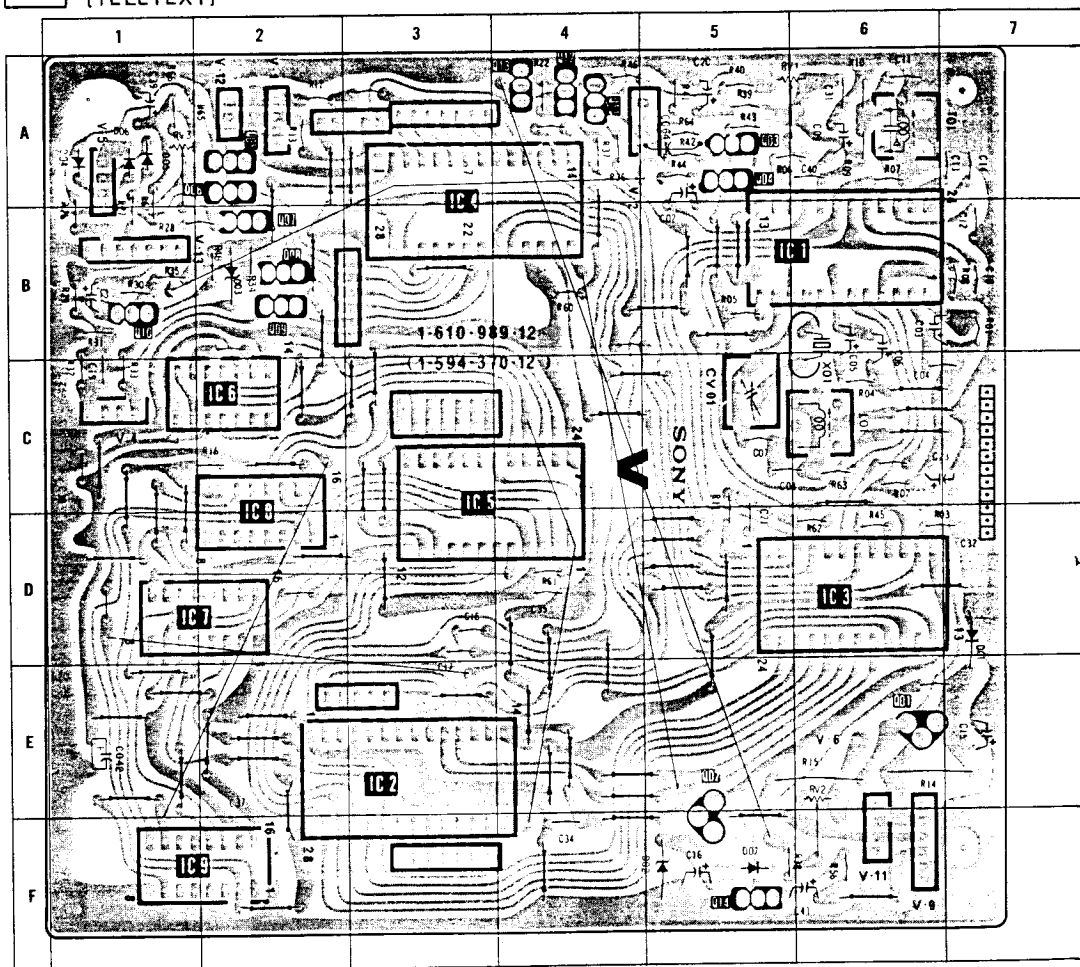


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 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauritron.co.uk

C		C22	B-1	CN		D4	A-1	Q		R4	C-6	R34	B-2	R67	A-1																																																																																																																																																																																																																																																																																																																																																																																																																										
C2	A-5	C23	C-6	V1	A-2	D5	A-1	Q1	E-6	R5	B-5	R35	B-1	RV	RV1 A-6 RV2 F-6 RV3 A-1																																																																																																																																																																																																																																																																																																																																																																																																																										
C3	B-7	C31	A-6	V2	A-5	D6	A-1	Q2	F-5	R6	A-6	R36	A-4																																																																																																																																																																																																																																																																																																																																																																																																																												
C4	C-6	C32	D-6	V4	C-1	D7	F-5	Q3	A-5	R7	A-7	R37	A-4																																																																																																																																																																																																																																																																																																																																																																																																																												
C5	B-6	C34	F-4	V5	A-1	IC			Q4	A-5	R8	B-7	R38			F-5																																																																																																																																																																																																																																																																																																																																																																																																																									
C6	B-6	C35	D-4	V6	E-6	IC1 B-6 IC2 E-3 IC3 D-6 IC4 A-3 IC5 C-3 IC6 C-2 IC7 D-2 IC8 C-2 IC9 F-2			Q5	A-2	R9	A-7	R39			A-5																																																																																																																																																																																																																																																																																																																																																																																																																									
C7	C-5	C36	E-1	V9	F-6				Q6	A-2	R10	A-7	R40	A-5																																																																																																																																																																																																																																																																																																																																																																																																																											
C8	C-5	C37	E-2	V11	F-6				Q7	B-2	R11	C-5	R41	A-5																																																																																																																																																																																																																																																																																																																																																																																																																											
C9	A-6	C38	C-1	V12	A-2				Q8	B-2	R12	A-2	R42	A-5																																																																																																																																																																																																																																																																																																																																																																																																																											
C10	B-7	C39	A-1	V13	B-1				Q9	B-2	R13	A-2	R43	A-5																																																																																																																																																																																																																																																																																																																																																																																																																											
C11	A-6	C40 A-6 C42 E-1 C064 A-5	CV		L		R		Q10	B-1	R14	E-6	R44	A-5																																																																																																																																																																																																																																																																																																																																																																																																																											
C12	B-7		CV1	C-5					Q11	A-4	R15	C-2	R45	D-6																																																																																																																																																																																																																																																																																																																																																																																																																											
C13	A-7		D						Q12	A-4	R16	C-2	R46	A-4																																																																																																																																																																																																																																																																																																																																																																																																																											
C14	A-7								Q13	A-4	R17	A-4	R48	B-2																																																																																																																																																																																																																																																																																																																																																																																																																											
C15	E-7								Q14	F-5	R18	B-1	R56	F-6																																																																																																																																																																																																																																																																																																																																																																																																																											
C16	F-5	D1 D-7 D2 F-5 D3 B-2		L		R		R19	B-1	R20	B-1	R21	B-1	R22	C-1	R23	C-1	R24	C-1	R25	A-1	R26	A-1																																																																																																																																																																																																																																																																																																																																																																																																																		
C17	D-3							R27	B-1	R28	B-2	R29	B-1	R30	B-1	R31	B-1	R32	C-1	R33	C-1	R34	B-2	R35	B-1	R36	A-4	R37	A-4	R38	F-5	R39	A-5	R40	A-5	R41	A-5	R42	A-5	R43	A-5	R44	A-5	R45	D-6	R46	A-4	R48	B-2	R56	F-6	R60	B-4	R61	D-4	R62	D-6	R63	C-6	R64	A-5	R65	A-1	R66	A-1																																																																																																																																																																																																																																																																																																																																																																								
C18	D-3							R29	B-1	R30	B-1	R31	B-1	R32	C-1	R33	C-1	R34	B-2	R35	B-1	R36	A-4	R37	A-4	R38	F-5	R39	A-5	R40	A-5	R41	A-5	R42	A-5	R43	A-5	R44	A-5	R45	D-6	R46	A-4	R48	B-2	R56	F-6	R60	B-4	R61	D-4	R62	D-6	R63	C-6	R64	A-5	R65	A-1	R66	A-1																																																																																																																																																																																																																																																																																																																																																																												
C19	C-1							R29	B-1	R30	B-1	R31	B-1	R32	C-1	R33	C-1	R34	B-2	R35	B-1	R36	A-4	R37	A-4	R38	F-5	R39	A-5	R40	A-5	R41	A-5	R42	A-5	R43	A-5	R44	A-5	R45	D-6	R46	A-4	R48	B-2	R56	F-6	R60	B-4	R61	D-4	R62	D-6	R63	C-6	R64	A-5	R65	A-1	R66	A-1																																																																																																																																																																																																																																																																																																																																																																												
C20	A-5							C40 A-6 C42 E-1 C064 A-5		CV		D		L		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R		R	

V

(TELETEXT)



R105 D-5
 R106 D-5
 R107 E-3
 R108 D-3
 R109 D-3
 R110 D-4
 R111 C-5
 R191 G-2
 R192 H-2
 R193 H-2

RV

RV201 D-3

T

T101 D-4
 T202 B-3
 T203 D-2

TU

TU101 C-4

X

X001 D-9

R194 H-2
 R201 D-5
 R202 C-3
 R203 E-2
 R204 E-3
 R205 B-1
 R206 B-1
 R207 D-2
 R208 C-3
 R209 C-2

R210 C-2
 R211 C-2
 R212 B-2
 R213 D-2
 R214 B-2
 R215 B-2
 R216 B-3
 R217 B-1
 R218 C-1
 R219 B-3

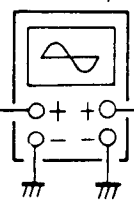
R220 B-3
 R221 B-3
 R224 D-1
 R226 E-2
 R227 E-3
 R228 E-4
 R230 E-3
 R232 H-3
 R233 E-1
 R234 E-1

R242 F-2
 R243 G-1
 R244 G-1
 R245 H-1
 R246 F-1
 R251 F-3
 R252 F-3
 R253 F-3
 R254 G-3

FIELD SYNC

RV1 = A-6

1. Tune in an off air signal.
2. Connect an dual-trace oscilloscope to the IC1 pin (13) and V-2 connector pin (1).
3. Extend the vertical sync portion.
4. Adjust RV1 to obtain the waveform on the oscilloscope as shown below.

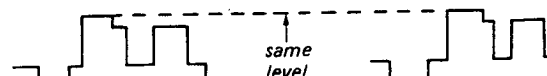
dual-trace
oscilloscope

CONTRAST

RV3 = A-2

Set the (picture) button of the minimum and (brightness) control of the mechanical center.

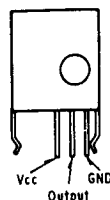
1. Receive the COLOR BAR signal.
2. Connect the oscilloscope to the red input of C board.
3. Receive the COLOR BAR signal including the TEXT signal.
press the TEXT button on the remote commender.
4. Adjust RV3 for a same level of red input as shown below.



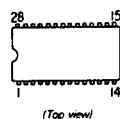
D4	A-1	Q	R4	C-6	R34	B-2	R67	A-1
D5	A-1		R5	B-5	R35	B-1	RV	
D6	A-1		R6	A-6	R36	A-4		
D7	F-5		R7	A-7	R37	A-4		
IC			R8	B-7	R38	F-5		
			R9	A-7	RV1	A-5	RV2	A-6
			R10	A-7		A-5		F-6
						A-5		A-1
						A-5		
						A-5		
IC1	B-6		R11	C-5	R41	A-5	T	
IC2	E-3		R12	A-2	R42	A-5		
IC3	D-6		R13	A-2	R43	A-5		
IC4	A-3		R14	E-6	R44	A-5		
IC5	C-3	Q11	R15	C-2	R45	D-6	T1	A-6
IC6	C-2		R16	C-2	R46	A-4		
IC7	D-2		R22	A-4	R48	B-2		
IC8	C-2		R26	B-1	R56	F-6		
IC9	F-2		R27	B-1	X		X01	B-6
L			R28	B-2				
L1	C-6		R29	B-1	R60	B-4		
		R	R30	B-1	R61	D-4		
			R31	B-1	R62	D-6		
			R32	C-1	R63	C-6		
			R33	C-1	R64	A-5		
					R65	A-1		
					R66	A-1		

● Semiconductors

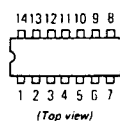
BX1323



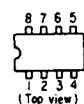
CX20015A
SAA5040B
TDA3505
TDA4555



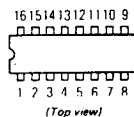
CXK1001P
SN74LS02N
TC40H002P
μPC1394C



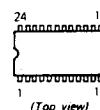
HA17558
NJM4558D
μPC4558C



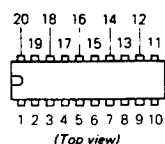
HD14053BP
MB88301A
SN74LS161N
SN74LS83AN



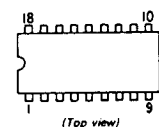
HM6116LP-2
SAA5020
SAA5030
SAA5050



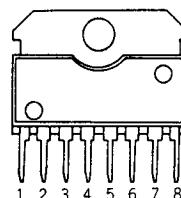
M50760-580P



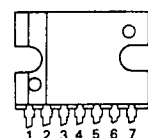
TDA2579



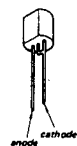
μPC1241N



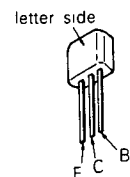
μPC1378H-L



μPC574J



2SA1048-GR
2SA1115
2SC2458
2SC2603



2SA10
2SA93
2SC17
2SC25
DTA1
DTA14
DTC12
JA101
JC501

2SA11
2SC27

2SC14
2SD78

2SC20
2SC20

2SC26
2SC26

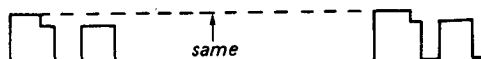
2SC29
2SC29
2SD77

CONTRAST

RV3 = A-2

Set the (picture) button of the minimurn and (brightness) control of the mechanical center.

1. Receive the COLOR BAR signal.
2. Connect the oscilloscope to the red input of C board.
3. Receive the COLOR BAR signal including the TEXT signal.
press the TEXT button on the remote commander.
4. Adjust RV3 for a same level of red input as shown below.



CLOCK PHASE

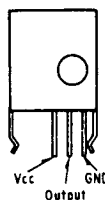
T1 = A-7

1. Tune in an off-air signal including the TELETEXT signal.
2. Press the TEXT button on the remote commander.
3. Adjust T1 so that the title appears on the picture.
4. Adjust T1 finely so that the error does not appear on other page.

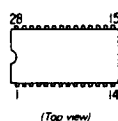
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● Semiconductors

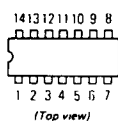
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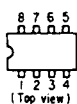
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TDA3505
TDA4555



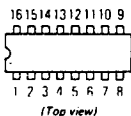
CXK1001P
SN74LS02N
TC40H002P
μPC1394C



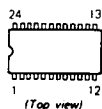
HA17558
NJM4558D
μPC4558C



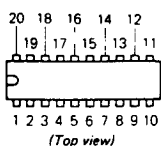
HD14053BP
MB88301A
SN74LS161N
SN74LS83AN



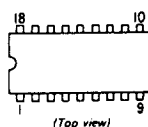
HM6116LP-2
SAA5020
SAA5030
SAA5050



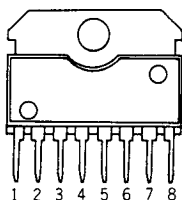
M50760-580P



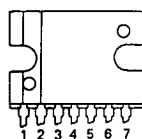
TDA2579



μPC1241N



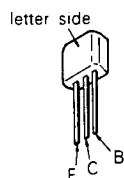
μPC1378H-L



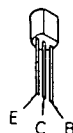
μPC574J



2SA1048-GR
2SA1115
2SC2458
2SC2603



2SA1091
2SA933S
2SC1740
2SC2551
DTA124ES
DTA144ES
DTC124ES
JA101
JC501



2SA1175
2SC2785



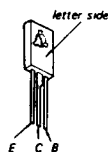
2SC1474
2SD788



2SC2009
2SC2026



2SC2611
2SC2688



2SC2958
2SC2959
2SD773



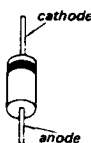
2SD1134
2SD795A



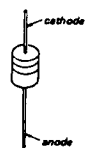
2SD1398-CA
2SD1497-02



1N4148T2
1S1555
1S2076
1S2473
ERD28-08S
ITT600
RD10E-B3
RD36E-L4
RD3.9E-L1
RD5.1E-N1
RD5.1E-N3
RD5.6E-N3
RD6.2E-B2
RD6.2E-N2



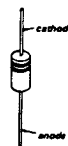
1SS119
1SS120
1SS133
1SS148



ERB12-02
ES1F
RGP10G



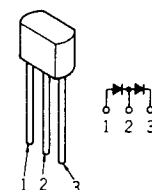
ERC24-06S
ERC25-06S
RH1Z
SIB01-02



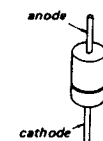
ERC26-15S



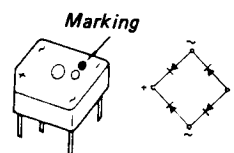
MC931



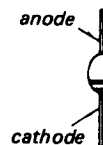
RGP15G
RGP15J



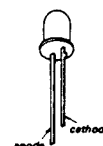
S3WB60S
S3W60Z



V19E



SLR-54VC12



CLOCK PHASE

T1 = A-7

1. Tune in an off-air signal including the **TELETEXT** signal.
2. Press the **TEXT** button on the remote commander.
3. Adjust **T1** so that the title appears on the picture.
4. Adjust **T1** finely so that the error does not appear on other page.

HARDWARE NOMENCLATURE

Screw:

P 3 x 10

L: Length in mm

D: Diameter in mm

Type of head

Indicated slotted-head only.

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



Nut, Washer, Retaining ring:

N 3

Diameter of usable screw or shaft

Reference designation

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	

For Service Manuals Contact
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 Email:- enquiries@mauritron.co.uk

KV-2096UB

RM-641A

SONY[®] SERVICE MANUAL

UK Model

Serial No. 6,004,001 and later

Chassis No. SCC-659C-A

March, 1986

No. 1

SUPPLEMENT

SUBJECT: REMOTE COMMANDER MODIFICATION

File this supplement with the service manual.

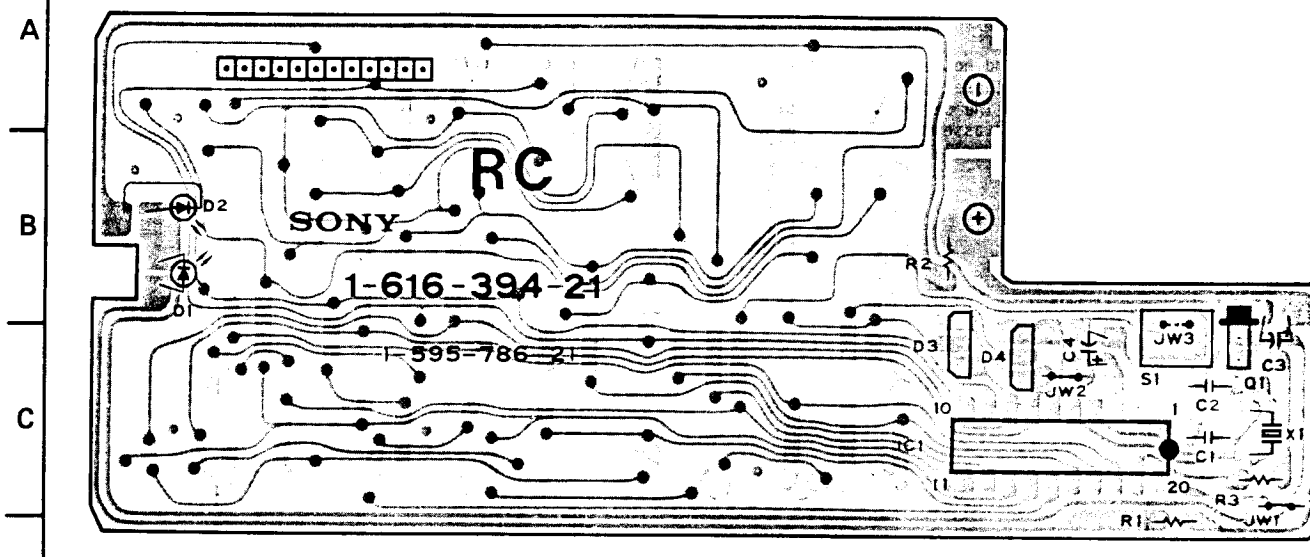
After the above serial number, the commander in attached accessory will be changed to RM-641A that has controls of 8mm VTR.

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CTV

2. PRINTED WIRING BOARD — Conductor Side —



3. SEMICONDUCTORS

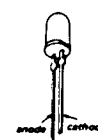
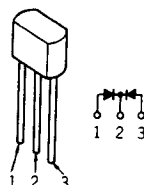
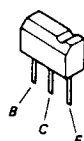
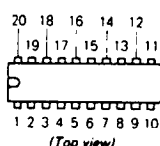
M50460-012P

2SC1652

MC921

GL-2AR1

SE303AY



4. ELECTRICAL PARTS LIST

NOTE:

• 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.

CAPACITORS

• MF : μ F, PF : μ P

RESISTORS

• All resistors are in ohms

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

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-616-394-11	RC BOARD *****		R001	1-247-767-00	CARBON 2.2 5%	1/6W
	4-350-924-00	TERMINAL (B), BATTERY		R002	1-247-791-00	CARBON 22 5%	1/6W
	4-372-835-01	TERMINAL (A), BATTERY		R003	1-247-809-00	CARBON 120 5%	1/6W
<u>CAPACITOR</u>							
C1	1-102-110-00	CERAMIC 220PF 10% 50V					
C2	1-102-110-00	CERAMIC 220PF 10% 50V					
C3	1-123-618-00	ELECT 22MF 20% 6.3V					
C4	1-123-611-00	ELECT 1MF 20% 50V					
<u>DIODE</u>							
D1	8-719-107-82	DIODE SE303AY					
D2	8-719-900-23	DIODE GL-2AR1					
D3	8-719-000-06	DIODE MC921					
D4	8-719-000-06	DIODE MC921					
<u>IC</u>							
IC1	8-759-602-74	IC M50460-012P					
<u>TRANSISTOR</u>							
Q1	8-729-965-22	TRANSISTOR 2SC1652					

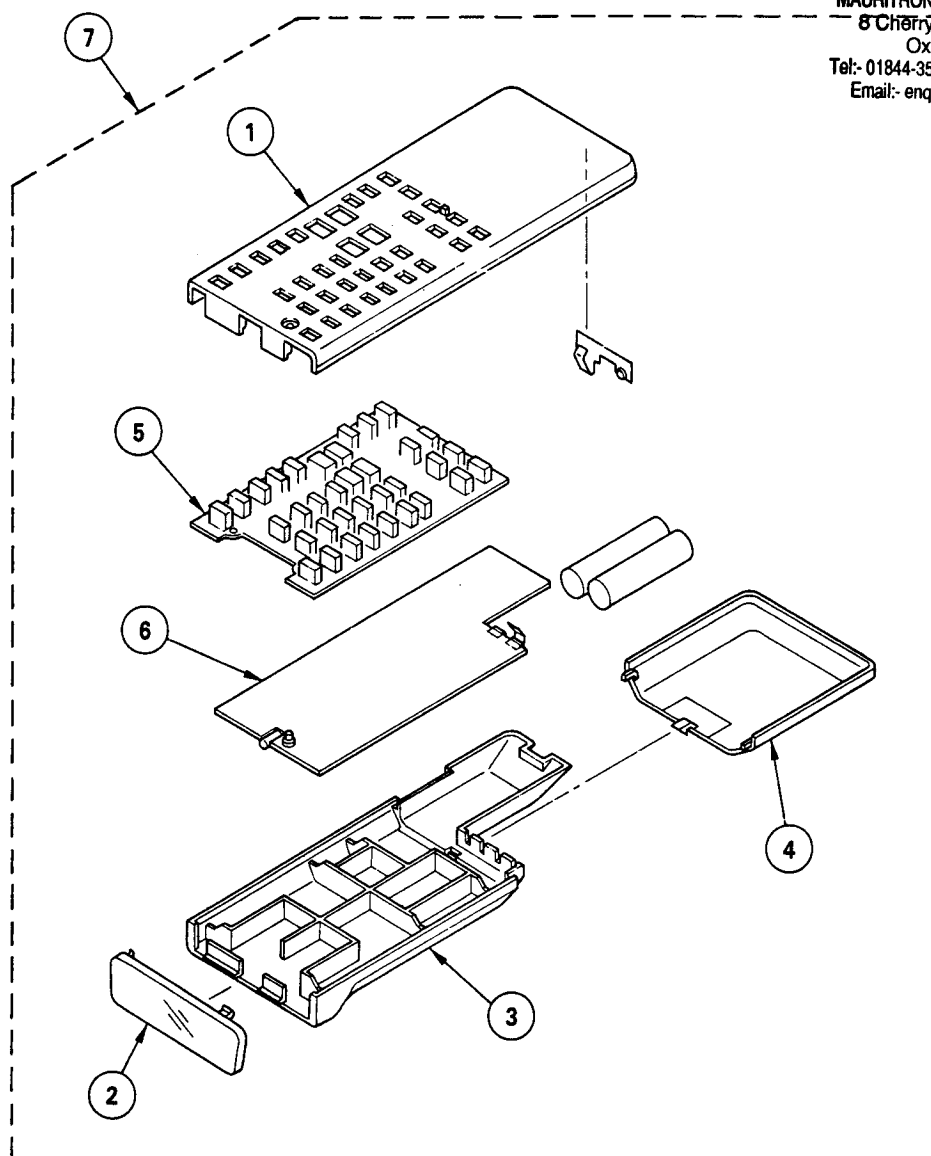
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Email: enquiries@mauratron.co.uk

5. 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.

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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4376-406-3	CASE ASSY, UPPER		5	4-376-433-01	SHEET, SILICONE RUBBER	
2	4-372-838-01	FILTER		6	*1-616-394-11	RC BOARD	
3	4-374-183-11	CASE, LOWER		7	A-1470-741-A	COMMANDER ASSY (RM-641A)	1-6
4	4-374-179-01	COVER, BATTERY					