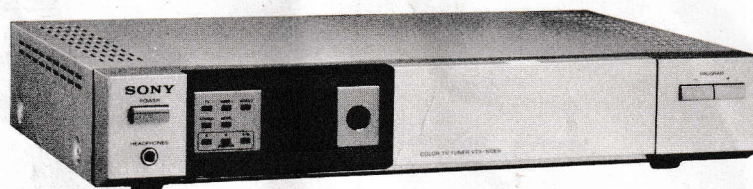


VTX-100FE

RM-611

SERVICE MANUAL

French Model



September, 1983

SPECIFICATIONS

Television System: French and CCIR TV Standards (System L, B/G)

Color System: SECAM PAL

Channel coverage: VHF channels French A-C, 1-6
CCIR 2-12
UHF: channels 21-69

Programing system: 30 programs
Automatic programing digital tunig

Antenna: 75-ohm standard antenna socket

Inputs: E-VIDEO-1 and E-VIDEO-2
VIDEO (BNC connector)
1V p-p, 75-ohms, unbalanced, sync negative
AUDIO (2 phono jacks)
-5 dBs (436 mV rms), 50 kilohms
CONTROLE (mini jack)
1-3V p-p
E-MULTI (8-pin socket)
Same at the above VIDEO, AUDIO and CONTROLE

Outputs: MONITEUR and S-TV
VIDEO (BNC connector)
1V p-p, 75 ohms, unbalanced, sync negative
AUDIO (2 phono jacks)
-5 dBs (436 mV rms), 5 kilohms
CONTROLE (mini jack)
1-3V p-p
S-MULTI (8-pin socket)
Same as the above VIDEO, AUDIO and CONTROLE
CASQUE (stereo binaural jack)
Accepts low and high impedance stereo headphones

Power requirements: 220 V ac, 50 Hz

Power consumption: 0.014 kwh (L.C.I.E.)
12.5 W (IEC)

Dimensions: Approx. 430 x 80 x 265 mm (w/h/d)

Weight: Approx. 4.5 kg

Accessories supplied: Remote Commander RM-611
Video Cable VK-2D (8-pin plug to 8-pin plug, 2m)



ACC

COLOR TV TUNER
SONY®

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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

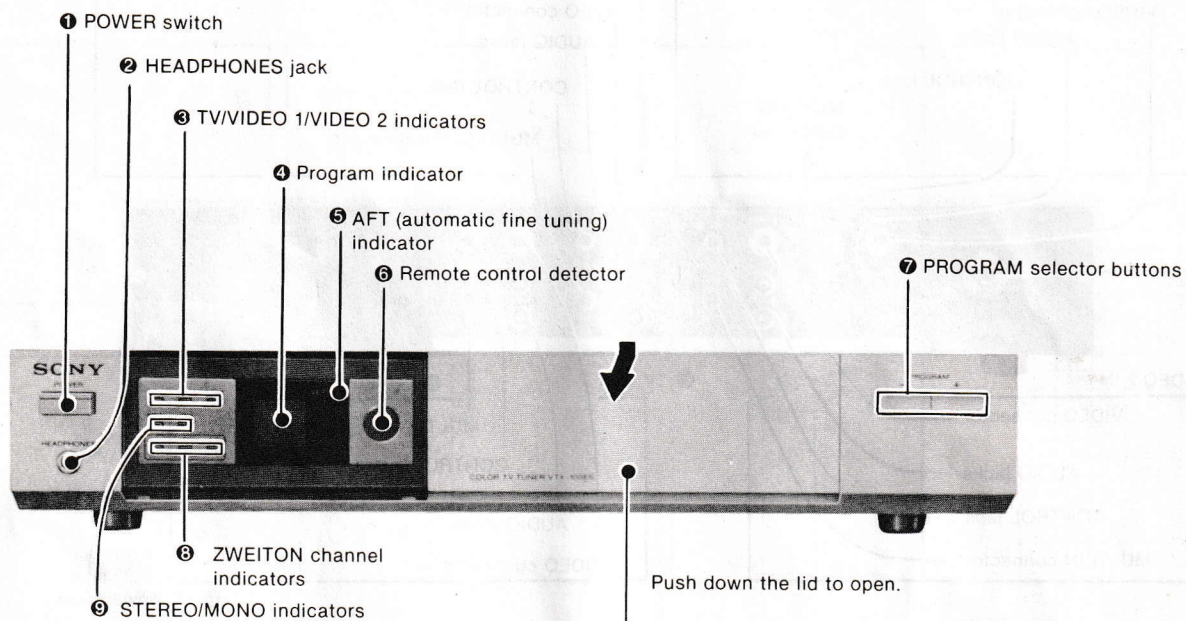
LES COMPOSANTS IDENTIFIÉS PAR UN TRAMÉ ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DU CIRCUIT QUI SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT SONT IDENTIFIÉS DANS CE MANUEL. SUIVRE LES PROCÉDURES QUAND LES COMPOSANTS CRITIQUES SONT REMPLACÉS OU LE FONCTIONNEMENT IMPROPRE EST SUSPECTÉ.

SECTION 1

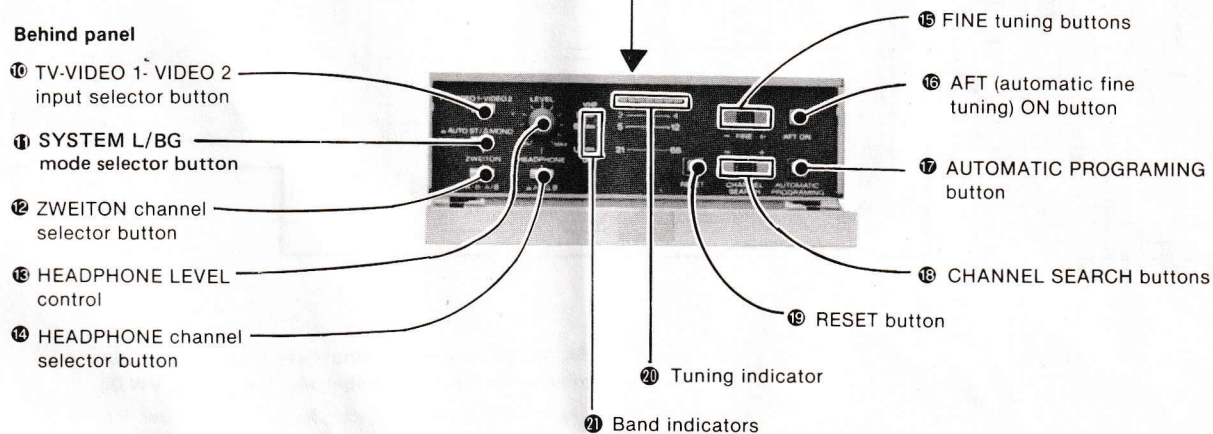
OUTLINE

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

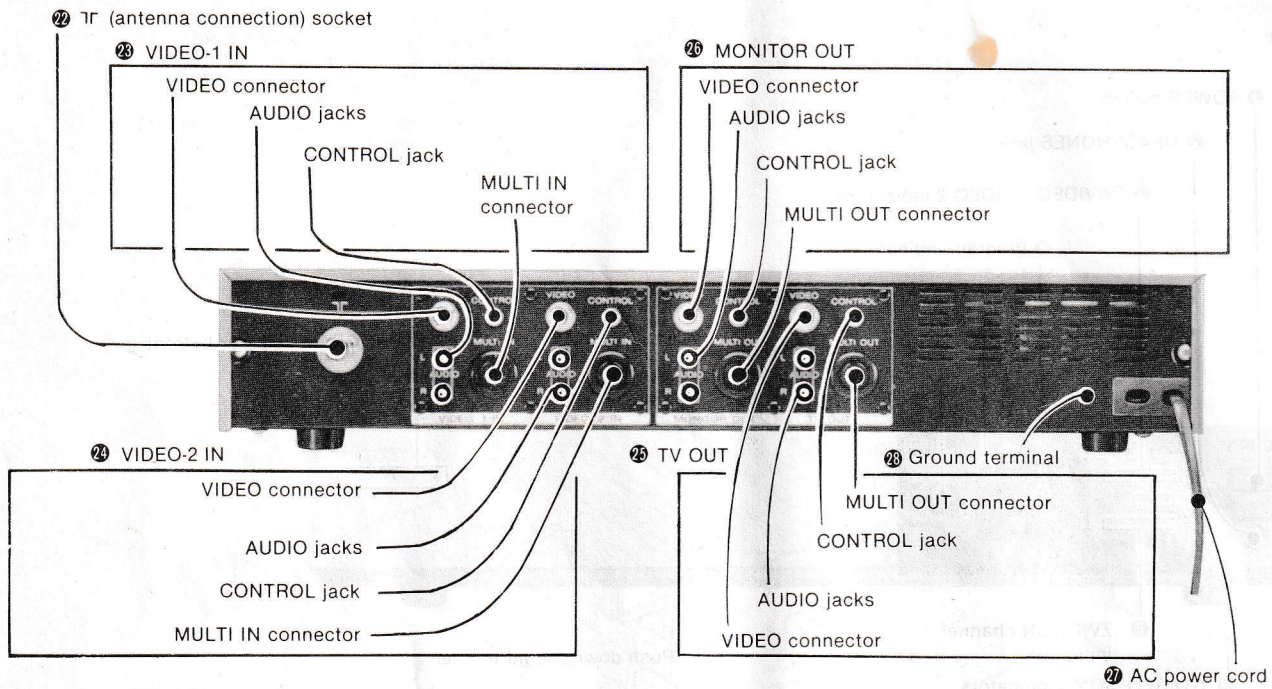
Front



Behind panel



Rear



1-2. PROGRAMME PRESETTING

This TV tuner has 12 program positions. Once you preset the channels broadcast in your area, program selection is simply made by pressing the PROGRAM buttons on the TV tuner or using the hand-held Remote Commander. Perform program presetting by following one of the two procedures; automatic programming or manual programming.

AUTOMATIC PROGRAMING

With the automatic programming system, receivable VHF and UHF channels in your area can be preset automatically in numerical sequence; from the lowest frequency VHF channel through the highest UHF channel.

1 Turn on the power.

2 Start the automatic programming.

The first channel found will be memorized on program position 1, the second on position 2, and so on. This tuning-memorizing sequence will be repeated for each channel in your area. When no more channels can be found, automatic programming will stop and the remaining program positions will be skipped. On these positions, factory-preset channels remain.

Guide for automatic programming procedure

	While programming	When the programming is finished
Picture and/or sound	No picture and no sound between stations. When tuned in and memorized, the program will appear.	The program on position 1 will appear.
Program indicator and CAF indicator	The number corresponding to the program position being preset will blink continuously. The AFT indicator does not light. CAF → CAF	The number "1" will appear (not blink). The AFT indicator will light. CAF
Tuning indicator and band indicator lamps	Indicate the approximate position of the channel number being searched. 	Indicate the approximate position of the channel number.

After the presetting has been completed, select the program with the PROGRAM buttons to check the results of the automatic programming, referring to your local TV listing.

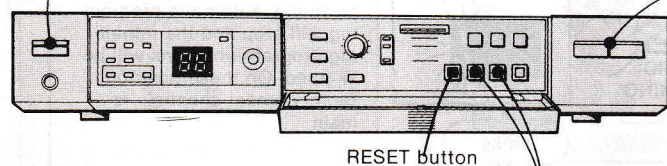
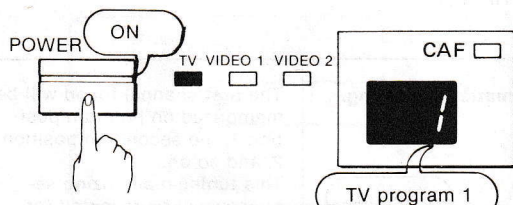
1-3. MANUAL PROGRAMMING

With the manual program search system, the channels you want can be preset in the desired sequence.

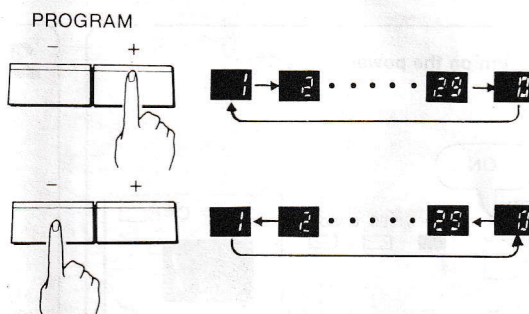
Any program position can be set to any frequency from below channel 2 to the highest UHF TV channel. Consult your local TV listings to find out the active channels in your area.

Make a list of your desired VHF and UHF channels and arrange them in the desired sequence.

1 Turn on the power.



2 Select the program position to which the channel is to be preset.



Do not hold the button in, just press it momentarily.

3 Tune in the desired station.



For higher numbered channels

For lower numbered channels

Do not hold the button in, just press it momentarily.
Use the tuning indicator and band indicators as guides.

While searching for a station

No picture appears.
The program number blinks.
The CAF indicator goes off.

When a station is tuned in

A picture appears.
The program number stops blinking.
The CAF indicator lights.

If searching stops between channels

This may happen in strong signal areas. Just press the CHANNEL SEARCH button again.

Repeat steps **2** and **3** until all the desired TV stations have been preselected.

Use of the RESET button

If this button is pressed, any memory on the selected program position will be erased and the set will be automatically tuned to a frequency below channel 2.

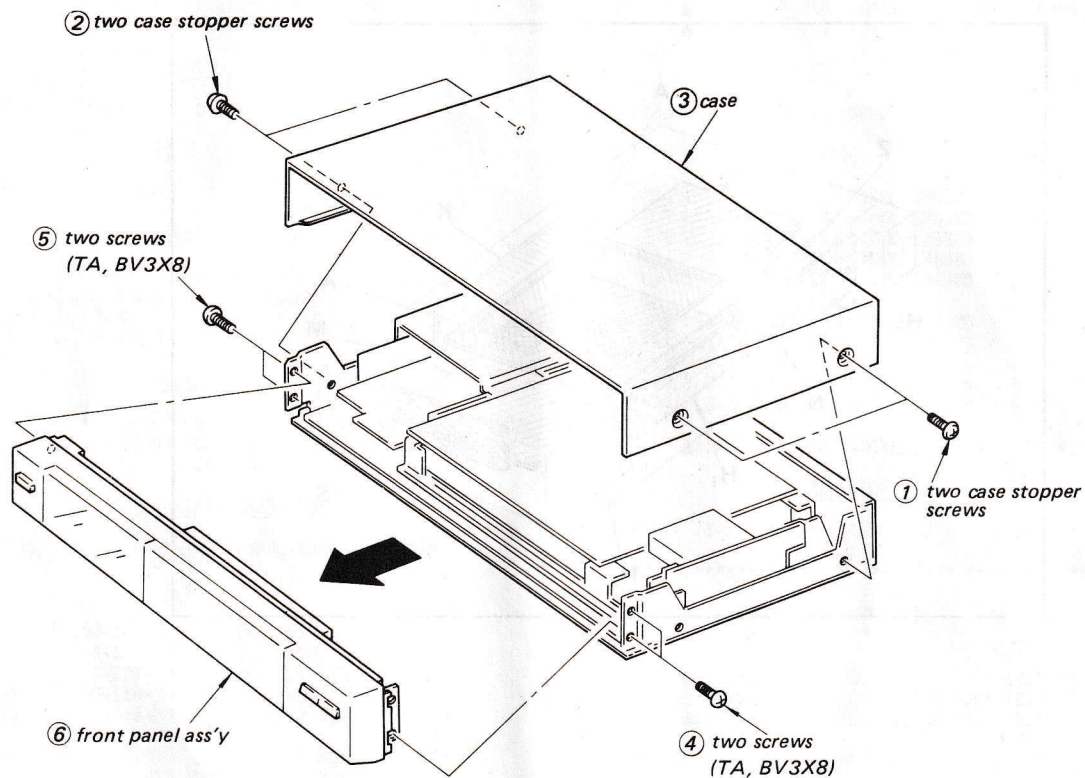
To tune in the desired station in step **3** above, you may alternatively use the RESET button. Press the RESET button first, then the CHANNEL SEARCH button. If the + button is pressed once, the available lowest-frequency VHF channel will be tuned in. If the - button is pressed once, the highest-frequency UHF channel will be tuned in.

• It is recommended that you press the RESET button for unused program positions if any.

SECTION 2 DISASSEMBLY

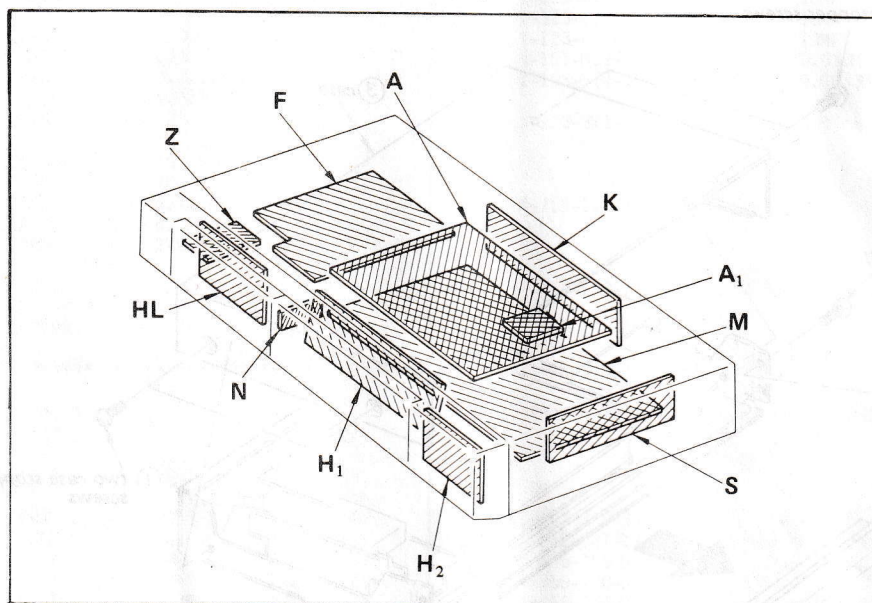
- Follow the disassembly procedure in the numerical order given.

2-1. FRONT PANEL ASS'Y REMOVAL

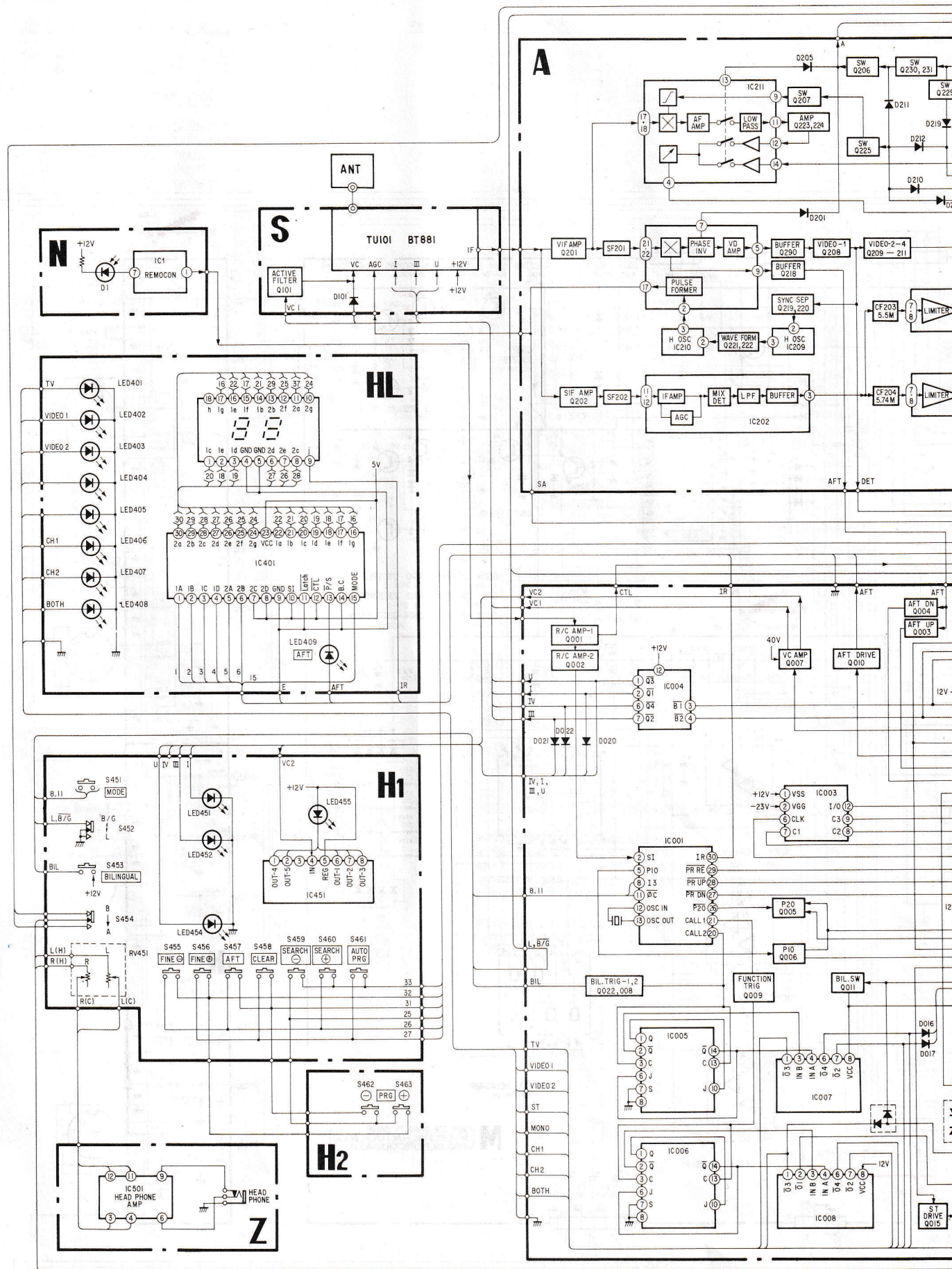


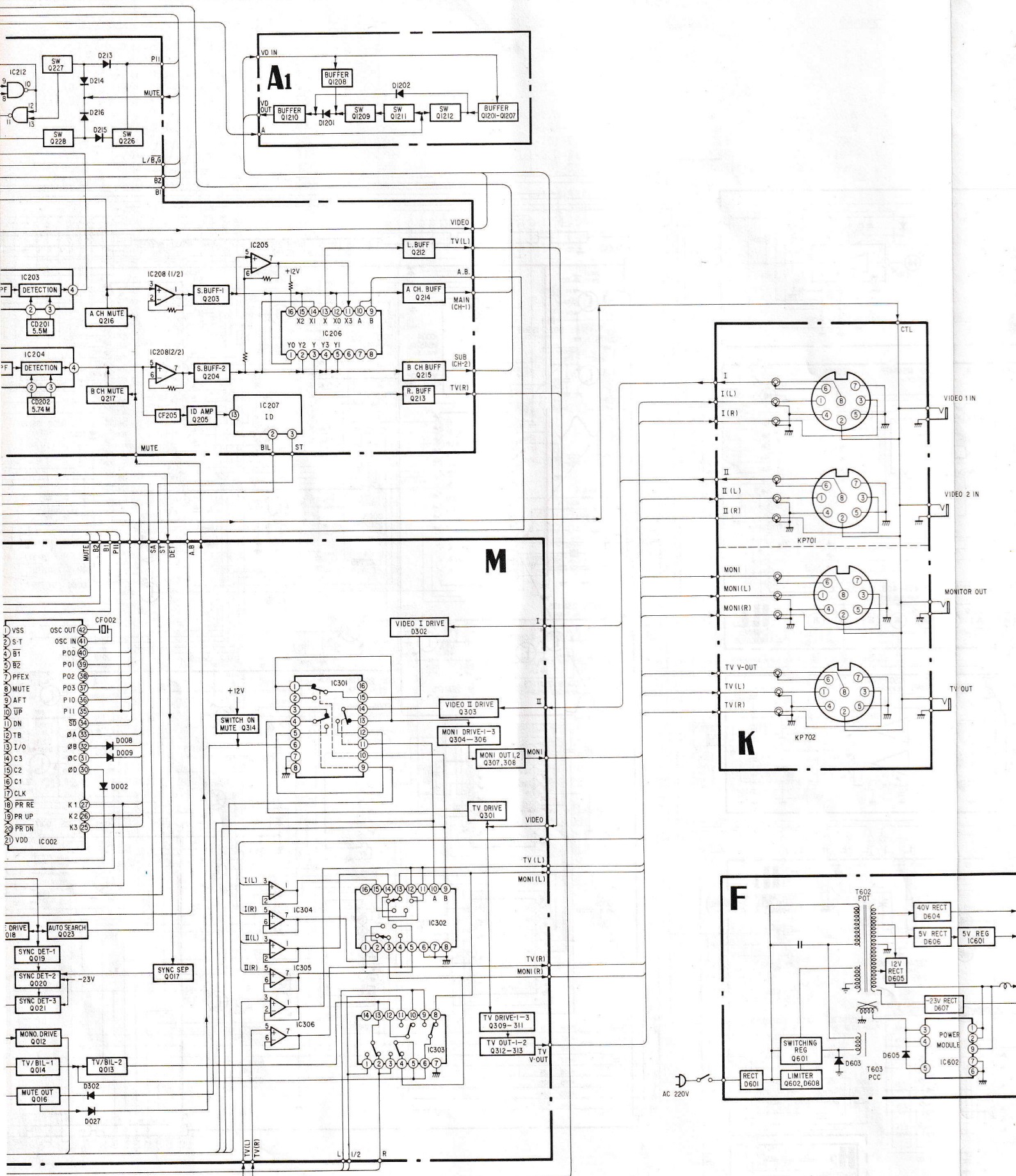
SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. BLOCK DIAGRAM





3-3. SCHEMATIC DIAGRAM

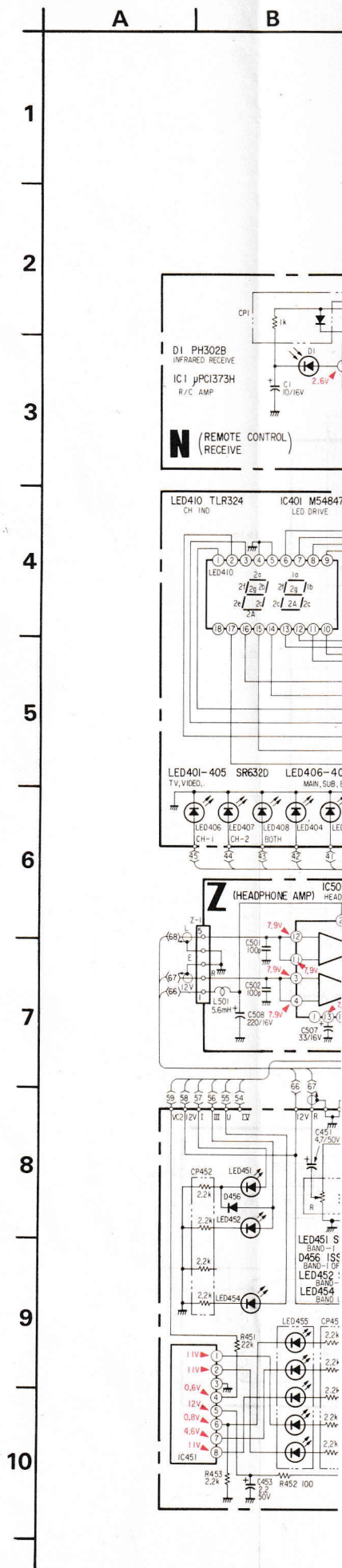
Note for schematic diagram.

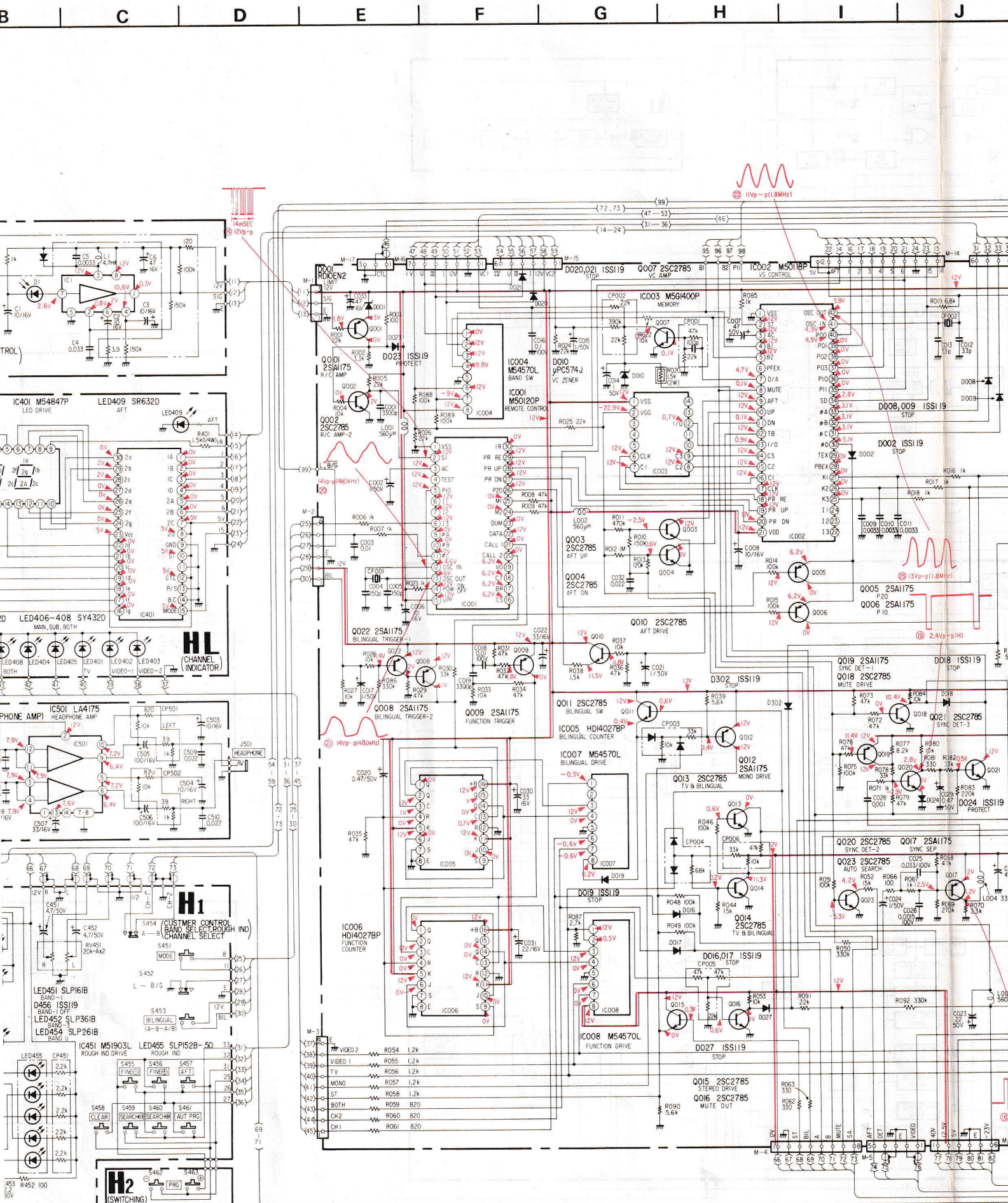
Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

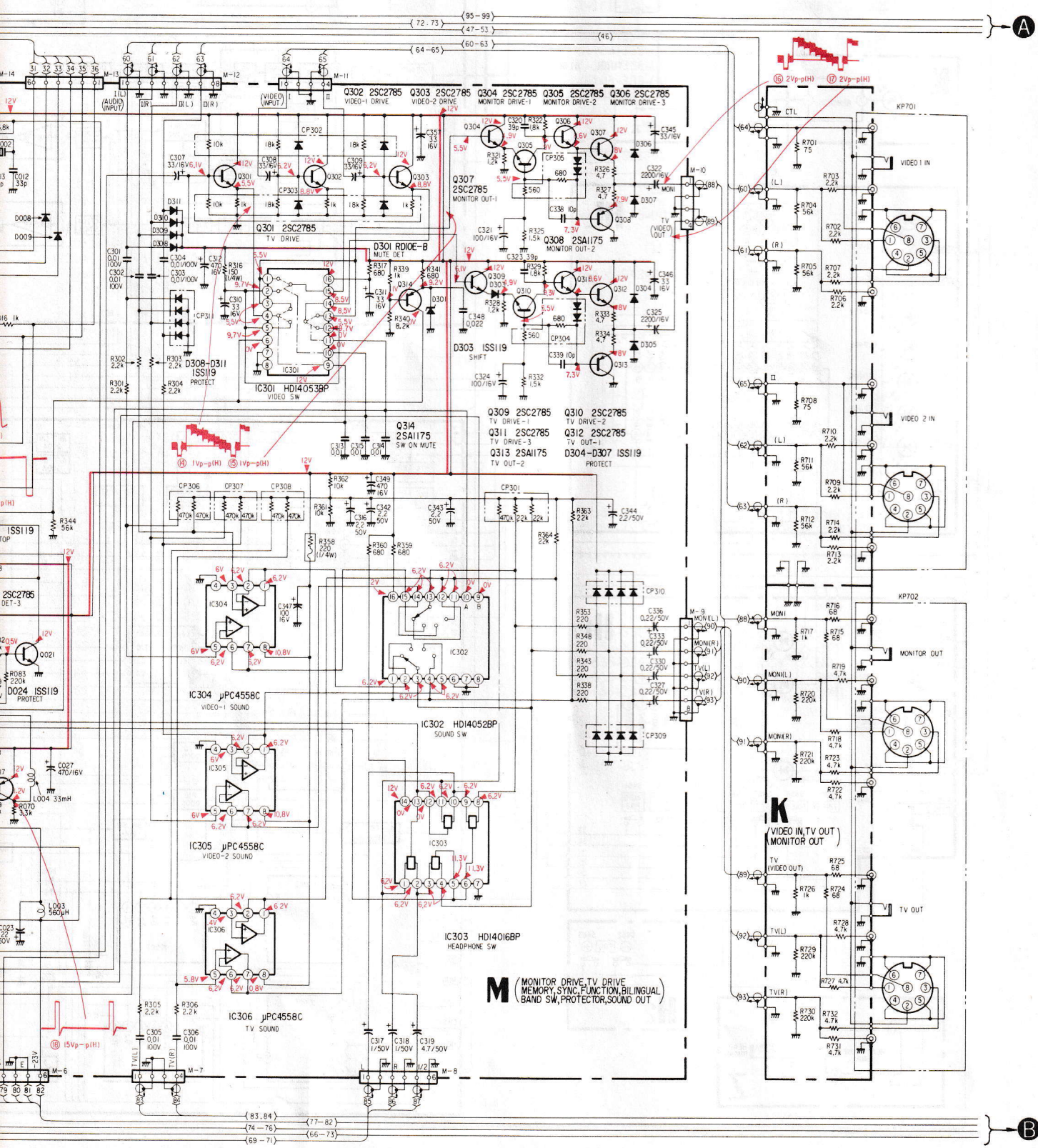
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

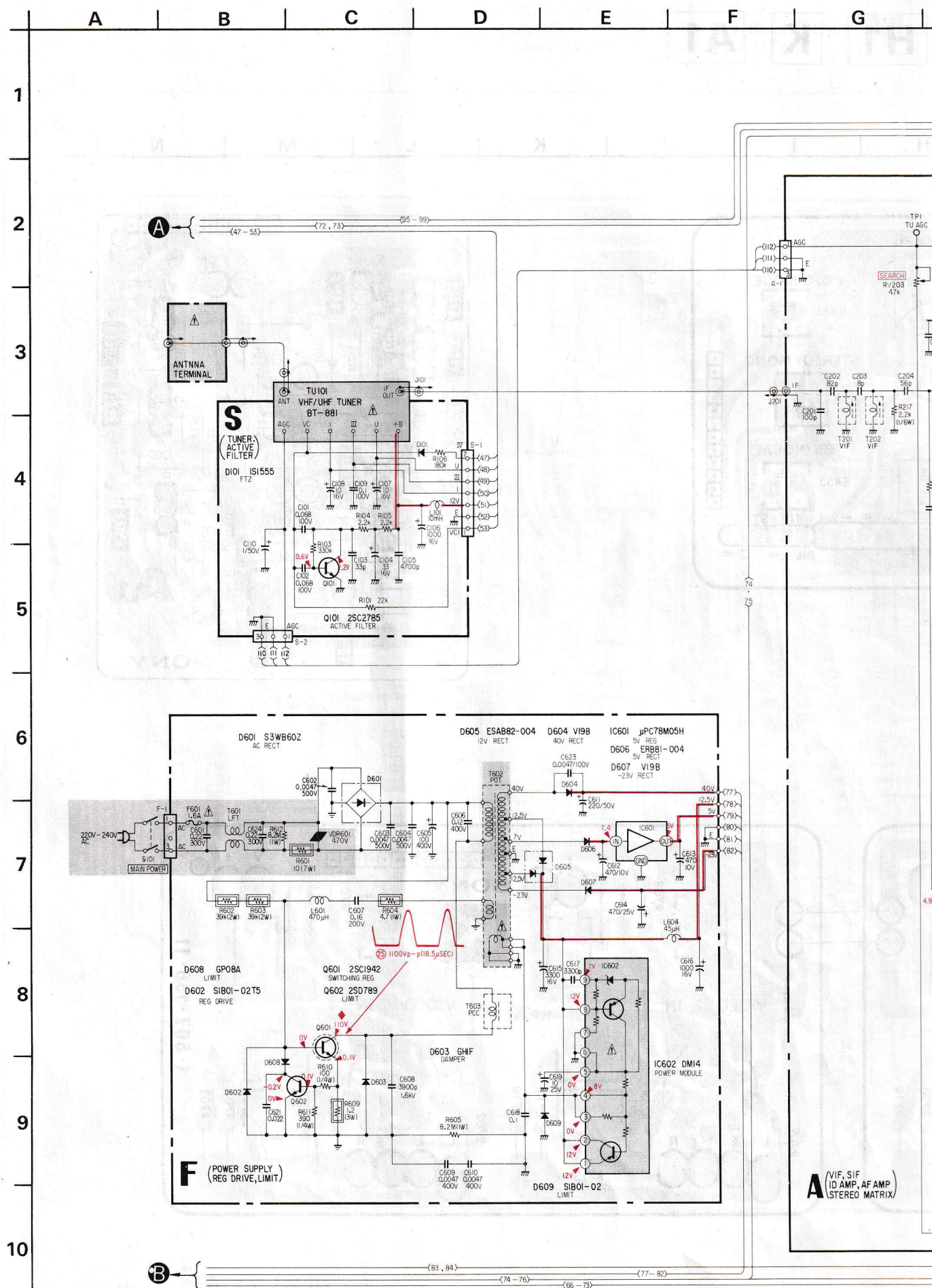
NOTE:

- All capacitors are in μF unless otherwise noted. pF; μF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{8}$ W unless otherwise noted. k: 1000 Ω , M: 1000 k Ω
-  : nonflammable resistor.
-  : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M Ω digital multimeter.
- Voltages are taken with set selected to CH-3 (VHF LOW) position.
-  : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.













X

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

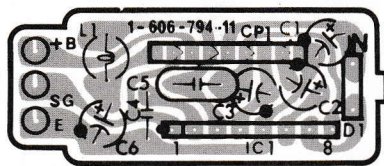
3-4. MOUNTING DIAGRAMS

- Conductor Side -

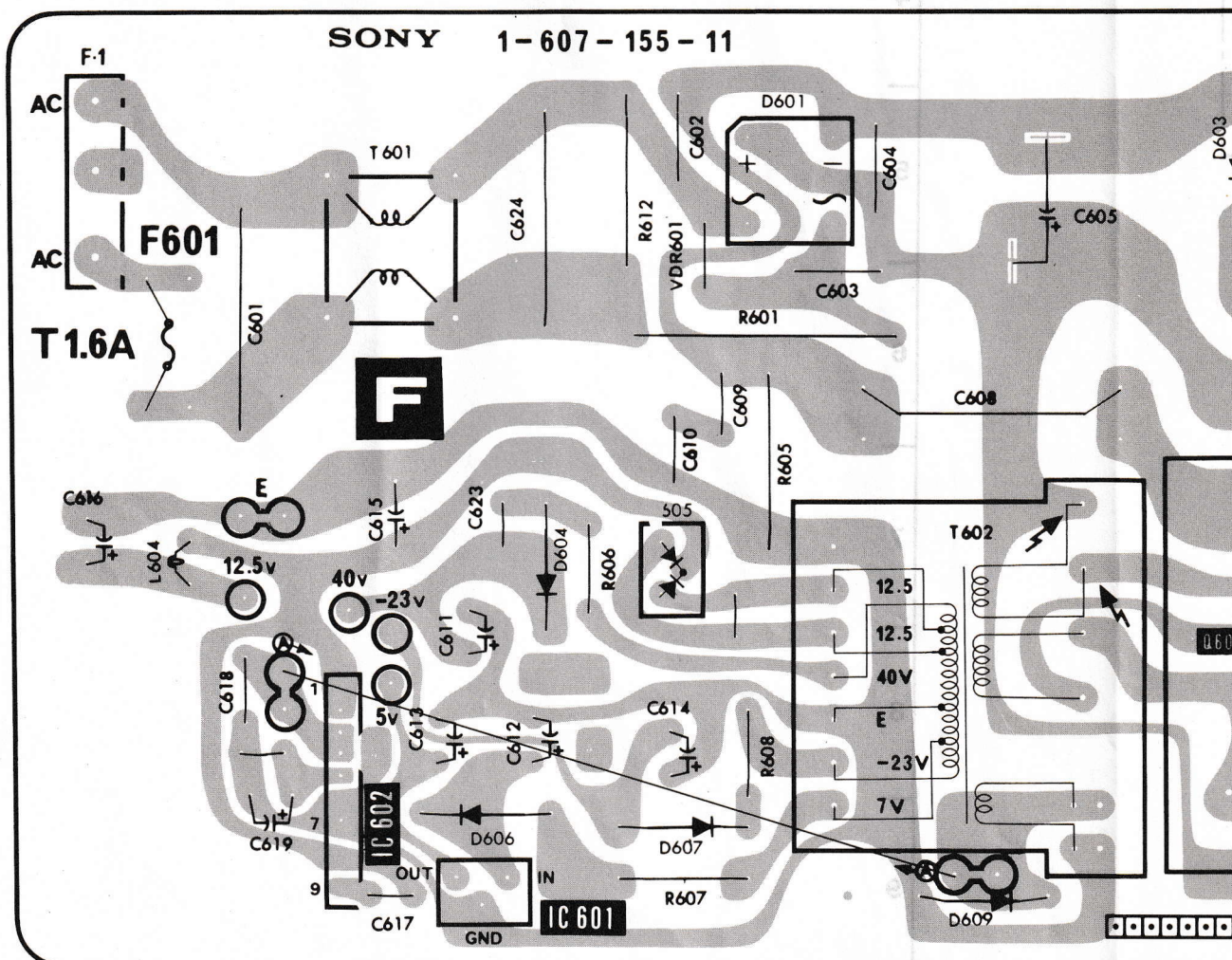
[REMOTE CONTROL
RECEIVE]**N**[POWER SUPPLY
REG DRIVE, LIMIT]**F****S**

A B C D E F G H

- N Board -



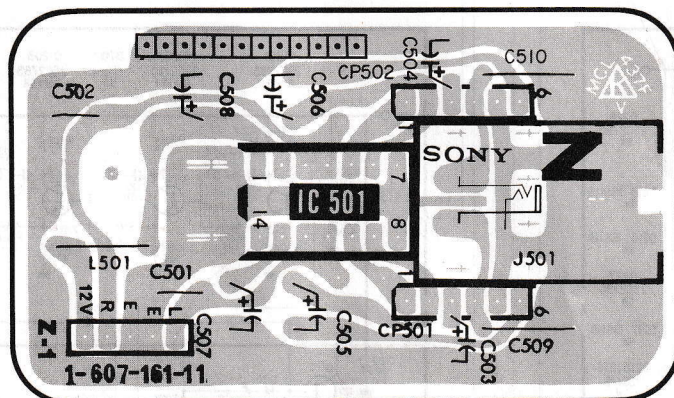
- F Board -



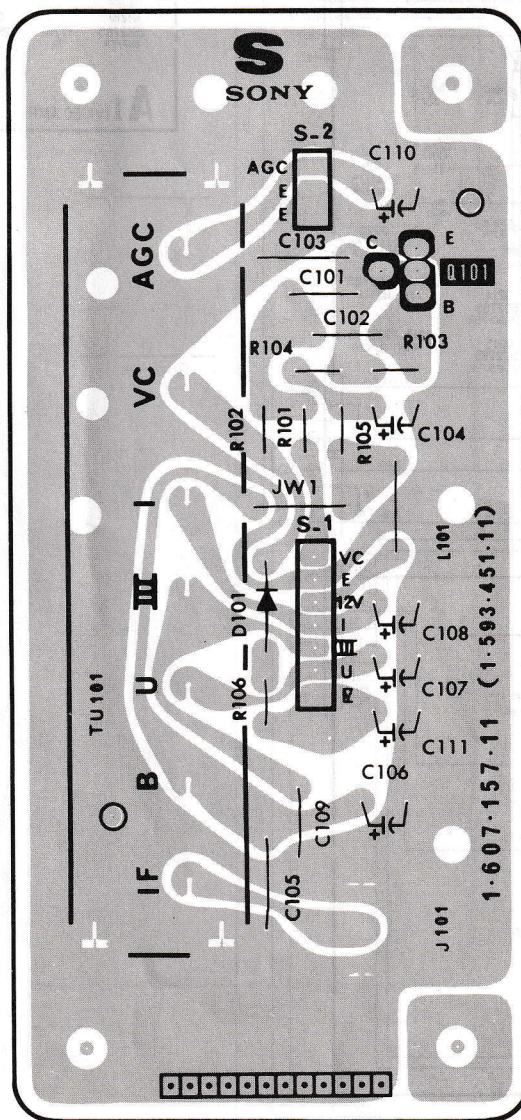
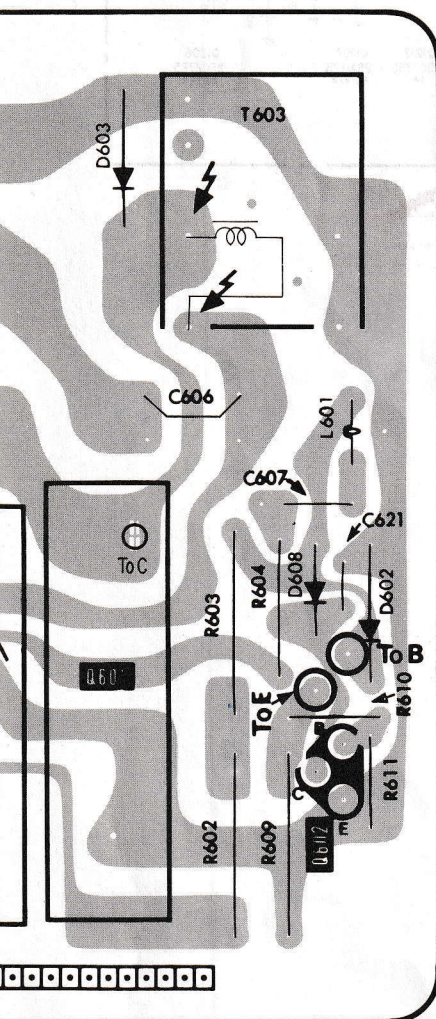
[TUNER, ACTIVE FILTER]

[HEADPHONE AMP]

— Z Board —



— S Board —



[VIDEO AMP]

A1[VIDEO IN, TV OUT
MONITOR OUT]**K**[CUSTOMER CONTROL
BAND SELECT, ROUGH IND
CHANNEL SELECT]**H1****H1**

A

B

C

D

E

F

G

H

1

- H₁ Board -

2

3

4

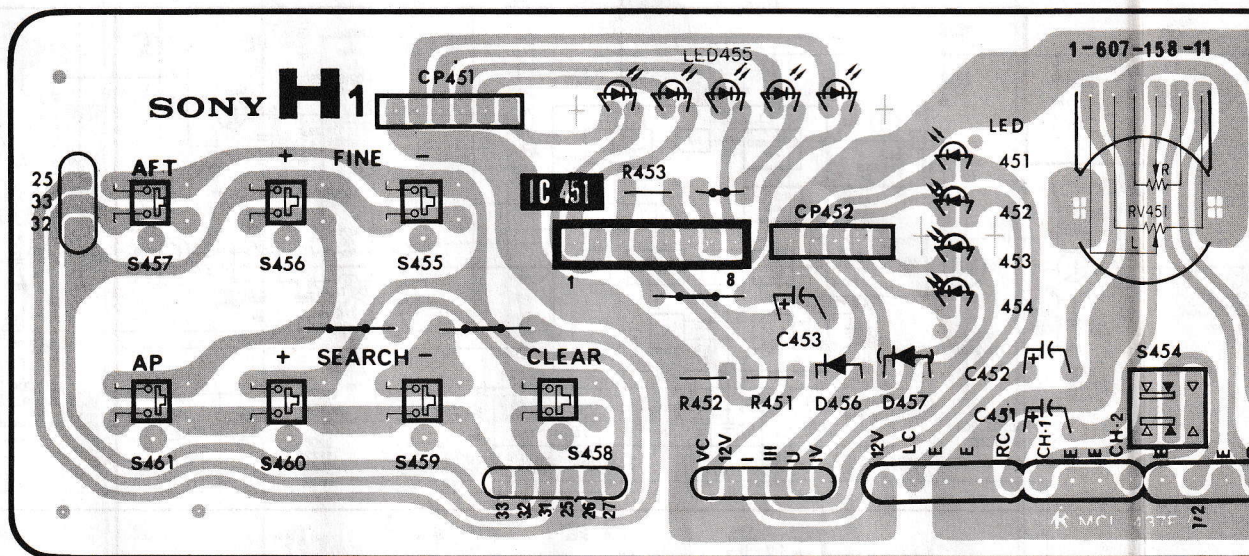
5

6

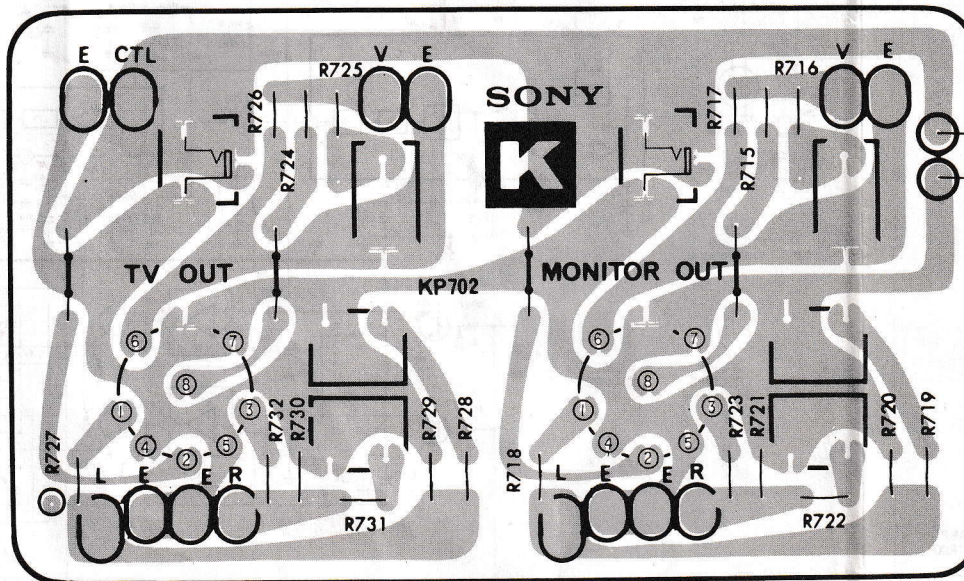
7

8

9

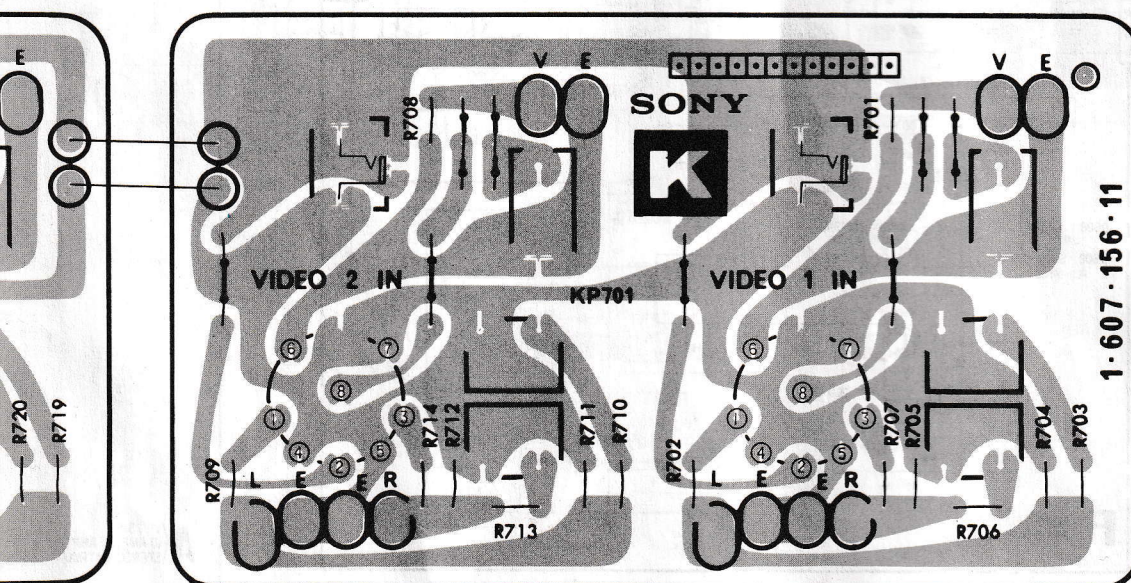
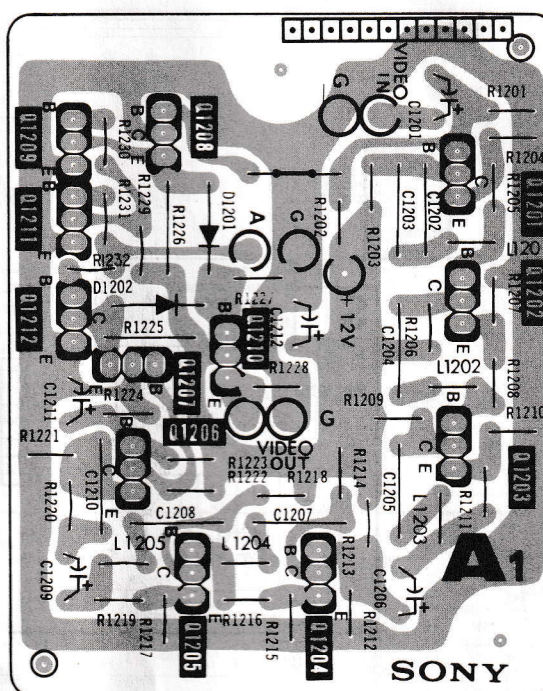
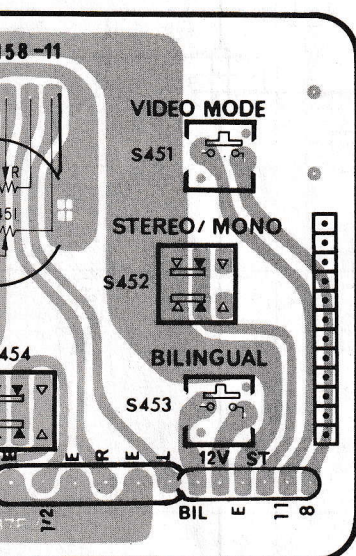


- K Board -



H1	K	A1
----	---	----

H	I	J	K	L	M	N
---	---	---	---	---	---	---



A

1

2

3

4

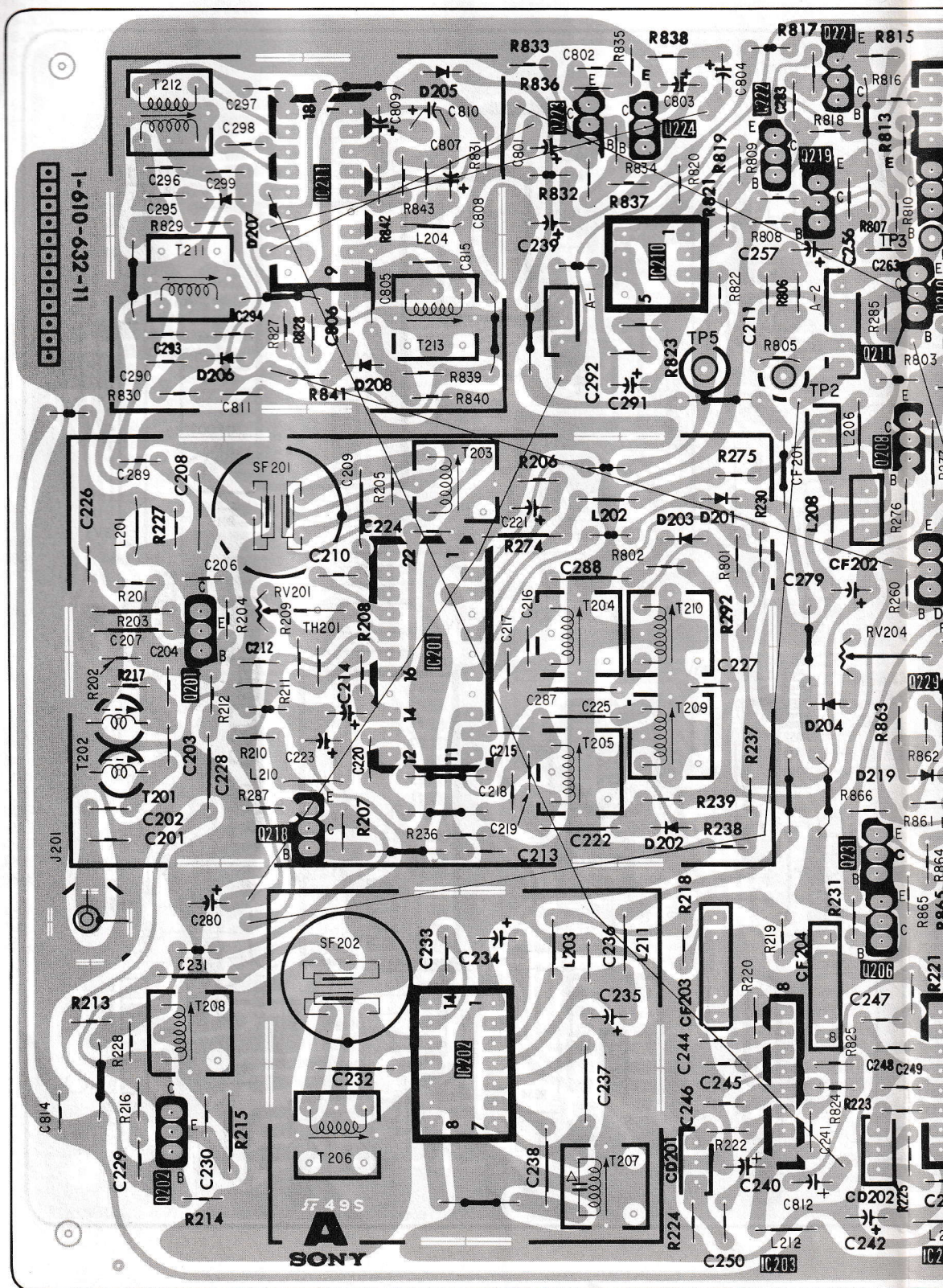
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6

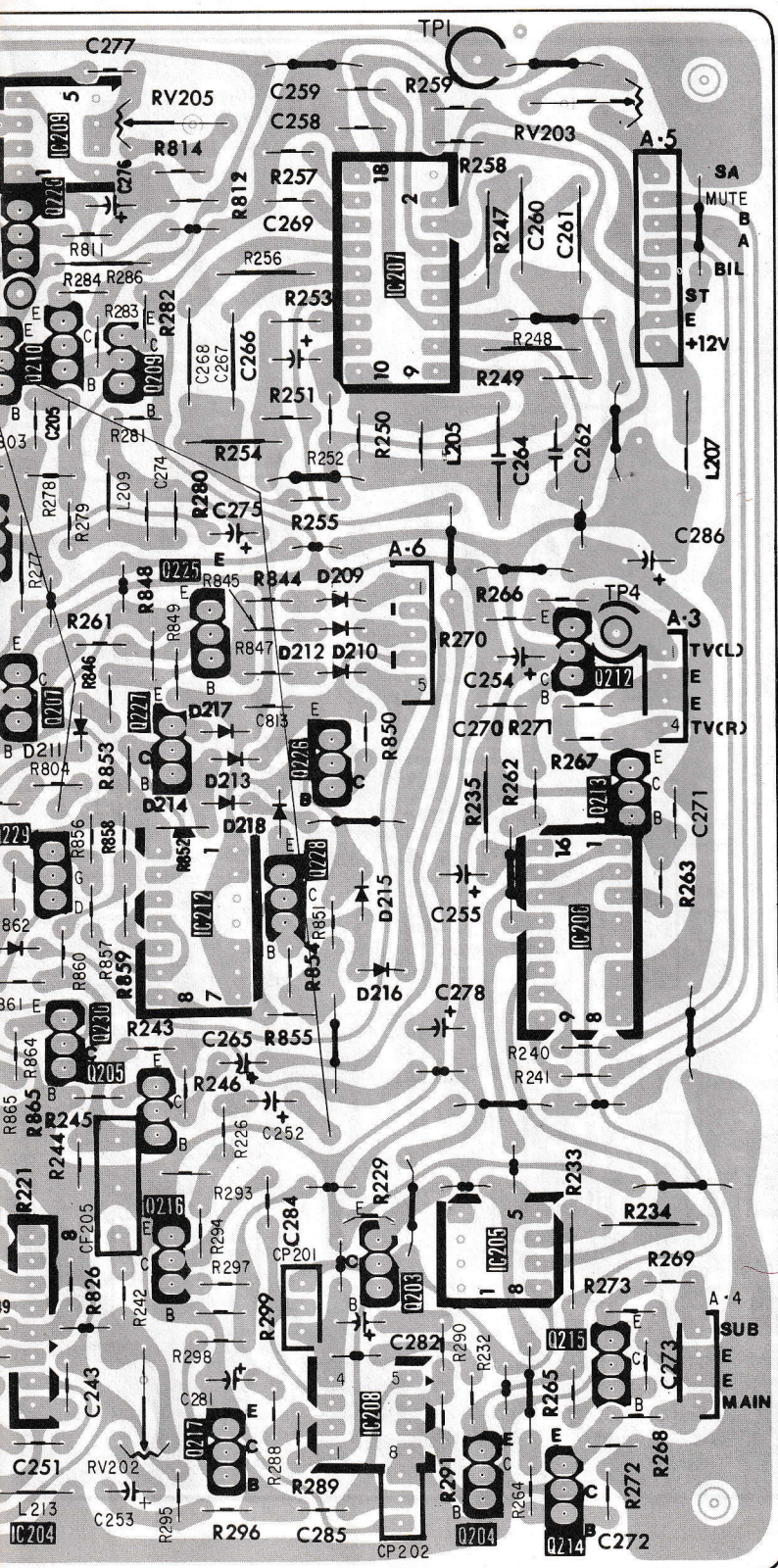
7

8

9



I	J	K	L	M	N	O
---	---	---	---	---	---	---

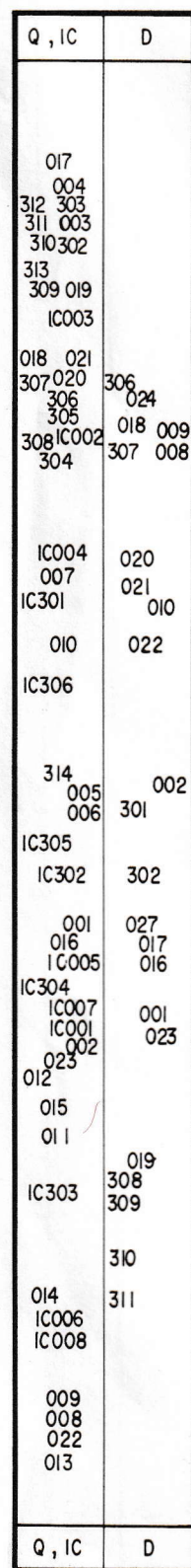


Q , IC	D	ADJ	TP
			1
221	205	RV203	
223 IC209		RV205	
224			
222			
IC211 220	299		
219			
IC207			3
IC210			
211 ²¹⁰ 209			
	206		2
	208		5
208			
	209		
225	201,210		4
212	203		
	212		
207	211		
	217	RV201	
201 227	213		
226			
IC201 213	214,218	RV204	
	204		
229	215		
228			
IC212	219		
IC206	216		
218	202		
231,230			
205			
206			
IC205			
216,203			
IC202			
IC203, IC204			
202 215			
217		RV202	
204			
214			
Q , IC	D	ADJ	TP

M

9





[SWITCHING]

H2

[CHANNEL INDICATOR]

HL

A

B

C

D

E

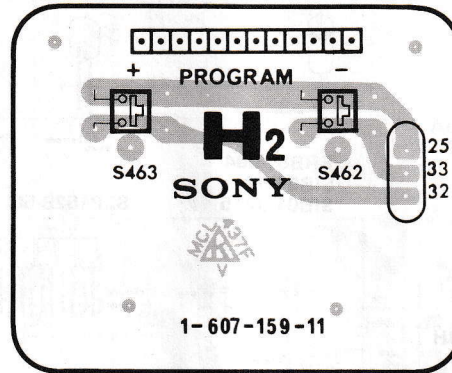
F

G

1

- H₂ Board -

2

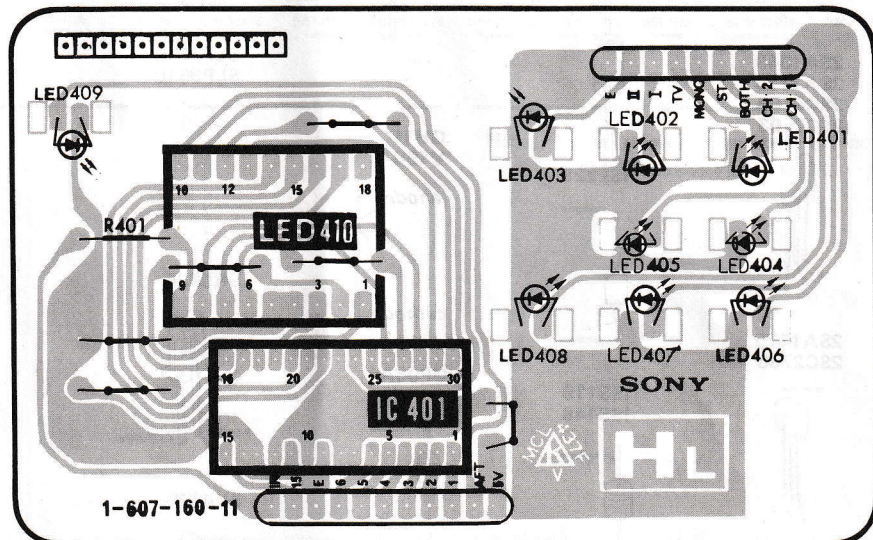


3

4

- HL Board -

5



6

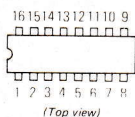
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8

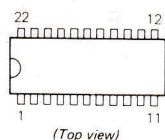
9

3-5. SEMICONDUCTORS

HD14027BP
HD14052BP
HD14053BP



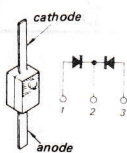
TDA5820



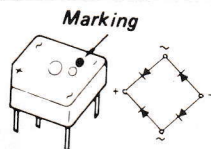
2SC1128
2SC2009



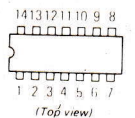
1T26N



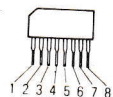
S3WB60Z
S3WB60ZS



HD14011BP
M5G1400P
TC4016BP
TDA2840



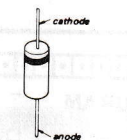
μ PC1373H
 μ PC1391H



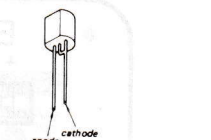
2SD789



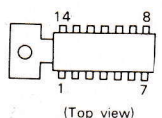
1T261



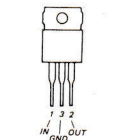
μ PC574J



LA4175



μ PC78M05H



2SK105A
2SK107



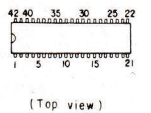
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SIB01-02T5



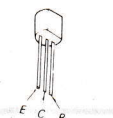
SLP152B-50



M50118AP



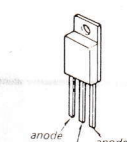
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2SC945
2SC1363
2SC1364



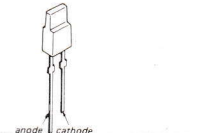
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1S2076
1S2473
1SS133
RD10E-B
RD10E-N2
US1035



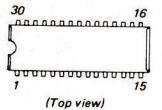
ESAB82-004



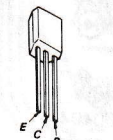
SLP161B



M50120P
M54847P



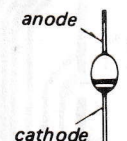
2SA1048
2SA1115
2SC2458
2SC2603



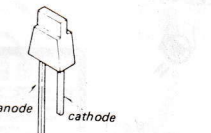
1S2222



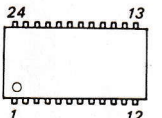
GH1F
V19B



SLP261B
SLP361B



M51903L
M54570L



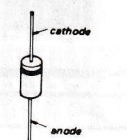
2SA1175
2SC2785



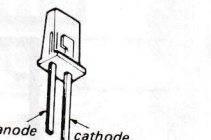
1SS119
1SS148



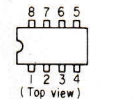
GP08A



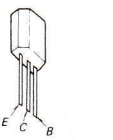
SR632D



NE555N
NJM4558D
 μ PC4558C



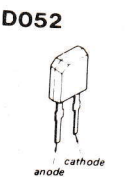
2SC633
2SC634



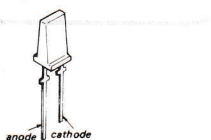
1SS162



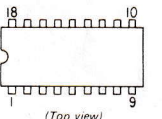
PH302B



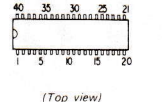
SY432D



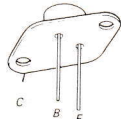
TDA2048



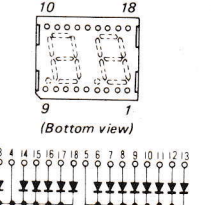
TDA2795



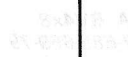
2SC1942



TLR324



8x312 A
2x 453 133



SECTION 4
EXPLODED VIEWS

4-1. CASE

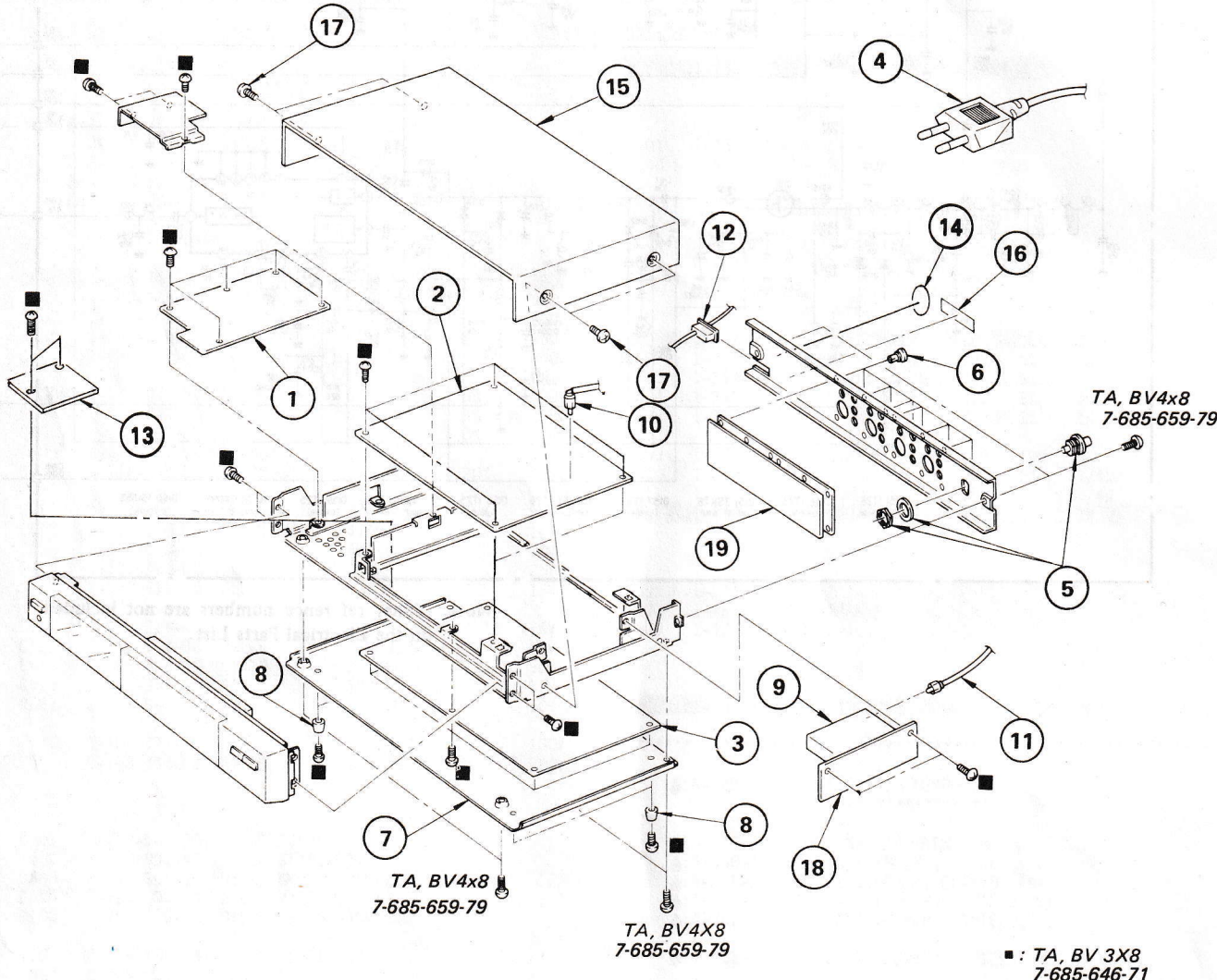
NOTE:

- 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.

- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note: Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

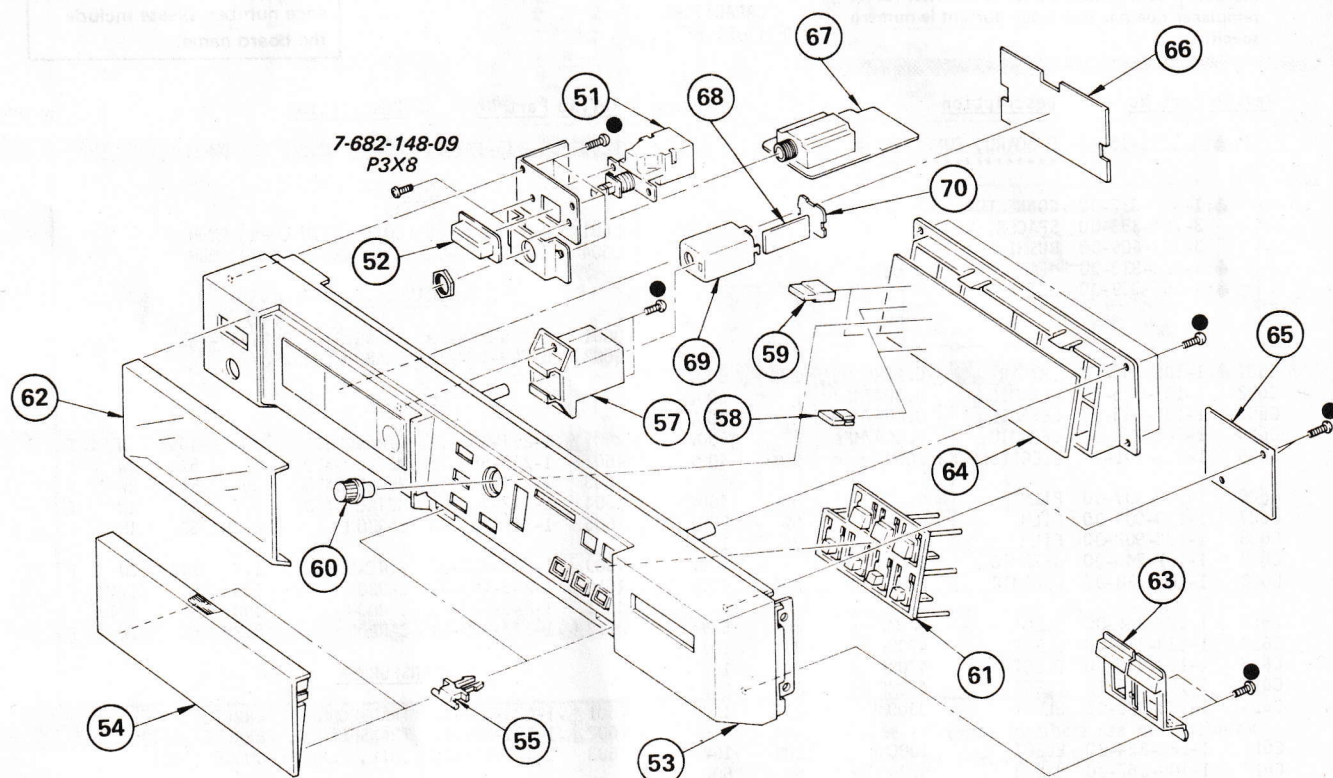
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.



No.	Part No	Description	Remark
1	▲:A-1245-153-A	F BOARD, COMPLETE	
2	▲:A-1295-754-A	A BOARD, COMPLETE	
3	▲:A-1306-272-A	M BOARD, COMPLETE	
4	▲:1-551-427-11	CORD, POWER, EULO PLUG	
5	▲:1-562-059-11	CONNECTOR, ANTENNA, INPUT	
6	▲:4-812-134-11	RIVET NYLON, 3.5	
7	▲:4-357-823-00	LID, BOTTOM	8
8	X-3556-910-0	FOOT ASSY, MF	
9	▲:1-463-350-31	TUNER (BT-881)	
10	▲:1-555-400-00	CABLE, PIN	

No.	Part No	Description	Remark
11	▲:1-556-140-21	CABLE, ANTENNA	
12	▲:2-245-510-00	CLAMPER, CABLE	
13	▲:1-611-020-00	AI BOARD	
14	3-703-269-00	LABEL, SEV	
15	▲:4-354-830-21	CASE	
16	▲:4-361-144-00	LABEL, MODEL NUMBER	
17	4-847-802-00	SCREW, CASE STOPPER	
18	▲:1-607-157-00	S BOARD	
19	▲:1-607-156-00	K BOARD	

4-2. FRONT PANEL



• : TA, BV 3X12
7-685-648-71

No.	Part No	Description	Remark	No.	Part No	Description	Remark
51	▲ 1-553-330-21	SWITCH, PUSH (POWER)		61	4-357-815-00	BUTTON, FUNCTION	
52	4-357-806-00	BUTTON, POWER		62	4-357-816-00	COVER, TRANSPARENT	
53	X-4357-834-00	PANEL ASSY, FRONT	54	63	4-357-819-00	BUTTON, PROGRAM	
54	X-4357-833-00	DOOR ASSY	55, 56	64	● 1-607-158-00	H1 BOARD	
55	3-703-035-11	SHAFT, LID		65	● 1-607-159-00	H2 BOARD	
57	● 4-357-119-00	BRACKET, CATCHER, RAY		66	● 1-607-160-00	HL BOARD	
58	4-357-803-00	PUSH BUTTON		67	● 1-607-161-00	Z BOARD	
59	4-357-804-00	BUTTON, ANTENNA		68	● 1-606-794-00	N BOARD	
60	4-357-814-00	KNOB, CONTROL		69	● 4-342-117-00	CASE, SHIELD (MAIN), R	
				70	● 4-342-118-00	LID, SHIELD CASE, R	

Note: Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

SECTION 5

ELECTRICAL PARTS LIST

F

A

NOTE:

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

Note: Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "A" 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 F

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS

- MMH : mH, UH : μ H

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

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
	•A-1245-153-A	F BOARD, COMPLETE *****		IC602A	1-235-122-11	POWER MODULE DM-14	
	•1-555-837-00	CONNECTOR ASSY (2.5MM) 6P		COIL			
	3-701-353-00	SPACER, MICA		L601	1-459-395-00	COIL (WITH CORE) 470UH	
	3-701-609-00	BUSHING (C), TR		L604	1-459-155-00	COIL (WITH CORE) 45UH	
	•4-323-833-00	HEAT SINK, PIN OUT		TRANSISTOR			
	•4-357-309-00	RETAINER, TR		Q601	3-729-300-23	TRANSISTOR 2SC1942-16L	
				Q602	8-729-177-43	TRANSISTOR 2SD774	
CAPACITOR				RESISTOR			
C601	A 1-108-745-62	MYLAR 0.22MF 20% 300V		R601	A 1-217-333-11	WIREWOUND 10 10% 7W F	
C602	1-102-085-00	CERAMIC 0.0047MF 500V		R602	1-214-596-00	METAL OXIDE 39K 5% 2W F	
C603	1-102-085-00	CERAMIC 0.0047MF 500V		R603	1-214-596-00	METAL OXIDE 39K 5% 2W F	
C604	1-102-035-00	CERAMIC 0.0047MF 500V		R604	1-212-363-00	METAL OXIDE 4.7 5% 1W F	
C605	1-125-291-00	ELECT (BLOCK) 100MF 20% 400V		R605	1-247-289-00	CARBON 8.2M 5% 1W	
C606	1-130-907-00	FILM 0.12MF 5% 400V		R609	1-207-907-00	WIREWOUND 1.2 10% 3W F	
C607	1-130-909-00	FILM 0.16MF 5% 200V		R610	1-246-449-00	CARBON 100 5% 1/4W	
C608	1-130-908-00	FILM 0.0039MF 3% 1.6KV		R611	1-246-463-00	CARBON 390 5% 1/4W	
C609	1-161-743-00	CERAMIC 0.0047MF 400V		R612	A 1-247-207-11	CARBON 8.2M 5% 1W F	
C610	1-161-738-00	CERAMIC 0.0047MF 20% 400V		TRANSFORMER			
C611	1-123-361-00	ELECT 220MF 20% 50V		T601	A 1-421-352-11	TRANSFORMER, FERRITE	
C612	1-123-310-00	ELECT 470MF 20% 10V		T602	A 1-421-528-11	TRANSFORMER, FERRITE (POT)	
C613	1-123-310-00	ELECT 470MF 20% 10V		T603	1-421-527-00	COIL, FERRITE-CHOKE (PCC)	
C614	1-123-336-00	ELECT 470MF 20% 25V		VARISTOR			
C615	1-123-326-00	ELECT 3300MF 20% 16V		VDR601A	1-306-446-11	VARISTOR 470V	
C616	1-123-324-00	ELECT 1000MF 20% 16V		*****			
C617	1-108-567-00	MYLAR 0.0033MF 5% 50V		•A-1295-754-A	A BOARD, COMPLETE *****		
C618	1-108-849-00	MYLAR 0.1MF 10% 50V		•4-314-969-00	CASE (A) MAIN, SHIELD		
C619	1-123-356-00	ELECT 10MF 20% 25V		•4-336-030-00	CASE (MAIN), SHIELD, VIF		
C621	1-108-587-00	MYLAR 0.022MF 5% 50V		•4-361-132-00	LID, UPPER, SHIELD CASE (A)		
C623	1-103-373-00	MYLAR 0.0047MF 10% 100V		•4-361-133-00	CASE (LOWER), SHIELD, SIF		
C624	A 1-108-745-62	MYLAR 0.22MF 20% 300V		•4-361-135-00	CASE (UPPER), SHIELD, VIF		
DIODE				•4-361-136-00	CASE (LOWER), SHIELD, VIF		
D601	8-719-503-06	DIODE S3WB60Z		CONNECTOR			
D602	8-719-901-40	DIODE SIB01-02T5		A1	•1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
D603	8-719-305-15	DIODE GH3F		A2	•1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
D604	8-719-901-93	DIODE V19E		A3	•1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D605	8-719-920-40	DIODE ESAC82-004		A4	•1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D606	8-719-982-04	DIODE ERB81-004		A5	•1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
D607	8-719-901-93	DIODE V19E		A6	•1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
D608	8-719-911-55	DIODE U05G		CAPACITOR			
D609	8-719-200-02	DIODE 10E2		C201	1-102-529-00	CERAMIC 100PF 5% 50V	
CONNECTOR				C202	1-102-527-00	CERAMIC 82PF 5% 50V	
F1	•1-506-348-XX	3P PLUG (L)		C203	1-102-945-00	CERAMIC 8PF 0.5PF 50V	
FUSE				IC			
F601	A 1-532-259-11	FUSE, TIME-LAG 1.6A		IC601	8-759-170-05	IC UPC78M05H	
	•1-533-146-00	HOLDER, FUSE, F601					

A

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C204	1-102-523-00	CERAMIC	56PF 5% 50V	C258	1-123-330-00	ELECT	22MF 20% 15V
C206	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C259	1-108-381-00	MYLAR	0.022MF 10% 100V
C207	1-161-323-00	CERAMIC	0.0047MF 30% 50V	C260	1-130-723-00	FILM	0.1MF 2% 50V
C208	1-161-328-00	CERAMIC	0.0047MF 30% 50V	C261	1-130-723-00	FILM	0.1MF 2% 50V
C209	1-161-323-00	CERAMIC	0.0047MF 30% 50V	C262	1-108-389-00	MYLAR	0.1MF 10% 100V
C210	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C263	1-101-361-00	CERAMIC	150PF 10% 50V
C211	1-108-383-00	MYLAR	0.033MF 10% 100V	C264	1-103-733-00	POLYSTYRENE	0.0022MF 5% 50V
C212	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C265	1-123-380-00	ELECT	1MF 20% 50V
C213	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C266	1-123-328-00	ELECT	4.7MF 20% 25V
C214	1-123-390-00	ELECT	1MF 20% 50V	C267	1-130-722-00	FILM	0.047MF 2% 50V
C215	1-102-936-00	CERAMIC	3PF 0.25PF 50V	C268	1-130-722-00	FILM	0.047MF 2% 50V
C216	1-102-529-00	CERAMIC	100PF 5% 50V	C269	1-108-381-00	MYLAR	0.022MF 10% 100V
C217	1-102-516-00	CERAMIC	27PF 5% 50V	C270	1-108-377-00	MYLAR	0.01MF 10% 100V
C218	1-102-516-00	CERAMIC	27PF 5% 50V	C271	1-108-377-00	MYLAR	0.01MF 10% 100V
C219	1-102-527-00	CERAMIC	82PF 5% 50V	C272	1-108-377-00	MYLAR	0.01MF 10% 100V
C220	1-102-936-00	CERAMIC	3PF 0.25PF 50V	C273	1-108-377-00	MYLAR	0.01MF 10% 100V
C221	1-123-447-00	ELECT	0.22MF 20% 50V	C274	1-102-983-00	CERAMIC	220PF 10% 50V
C222	1-161-323-00	CERAMIC	0.0047MF 30% 50V	C275	1-123-333-00	ELECT	100MF 20% 16V
C223	1-123-318-00	ELECT	33MF 20% 16V	C276	1-123-356-00	ELECT	10MF 20% 16V
C224	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C277	1-130-026-00	FILM	0.0047MF 5% 50V
C225	1-161-328-00	CERAMIC	0.0047MF 30% 50V	C278	1-123-318-00	ELECT	33MF 20% 16V
C226	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C279	1-123-333-00	ELECT	100MF 20% 16V
C227	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C280	1-123-356-00	ELECT	10MF 20% 16V
C228	1-161-328-00	CERAMIC	0.0047MF 30% 50V	C281	1-123-381-00	ELECT	2.2MF 20% 50V
C229	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C282	1-123-381-00	ELECT	2.2MF 20% 50V
C230	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C283	1-101-361-00	CERAMIC	150PF 10% 50V
C231	1-161-328-00	CERAMIC	0.0047MF 30% 50V	C284	1-108-377-00	MYLAR	0.01MF 10% 100V
C232	1-161-323-00	CERAMIC	0.0047MF 30% 50V	C285	1-108-377-00	MYLAR	0.01MF 10% 100V
C233	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C286	1-123-324-00	ELECT	1000MF 20% 16V
C234	1-123-356-00	ELECT	10MF 20% 16V	C287	1-161-328-00	CERAMIC	0.0047MF 30% 50V
C235	1-123-356-00	ELECT	10MF 20% 16V	C288	1-161-328-00	CERAMIC	0.0047MF 30% 50V
C236	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C289	1-102-936-00	CERAMIC	3PF 0.25PF 50V
C237	1-161-259-00	CERAMIC	10PF 5% 50V	C290	1-102-892-00	CERAMIC	22PF 5% 50V
C238	1-161-259-00	CERAMIC	10PF 5% 50V	C291	1-123-356-00	ELECT	10MF 20% 16V
C239	1-123-332-00	ELECT	47MF 20% 16V	C292	1-108-365-00	MYLAR	0.001MF 10% 100V
C240	1-123-333-00	ELECT	100MF 20% 16V	C293	1-102-883-00	CERAMIC	27PF 5% 50V
C241	1-101-004-00	CERAMIC	0.01MF 50V	C294	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C242	1-123-333-00	ELECT	100MF 20% 16V	C295	1-102-892-00	CERAMIC	22PF 5% 50V
C243	1-101-004-00	CERAMIC	0.01MF 50V	C296	1-102-884-00	CERAMIC	33PF 5% 50V
C244	1-101-004-00	CERAMIC	0.01MF 50V	C297	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C245	1-101-004-00	CERAMIC	0.01MF 50V	C298	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C246	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C299	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C247	1-101-004-00	CERAMIC	0.01MF 50V	C801	1-123-356-00	ELECT	10MF 20% 16V
C248	1-101-004-00	CERAMIC	0.01MF 50V	C802	1-108-377-00	MYLAR	0.01MF 10% 100V
C249	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C803	1-123-318-00	ELECT	33MF 20% 16V
C250	1-102-959-00	CERAMIC	22PF 5% 50V	C804	1-123-379-00	ELECT	0.47MF 20% 50V
C251	1-102-959-00	CERAMIC	22PF 5% 50V	C805	1-161-328-00	CERAMIC	0.0047MF 30% 50V
C252	1-123-380-00	ELECT	1MF 20% 50V	C806	1-102-889-00	CERAMIC	39PF 5% 50V
C253	1-123-380-00	ELECT	1MF 20% 50V	C807	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C254	1-123-318-00	ELECT	33MF 20% 16V	C808	1-123-318-00	ELECT	33MF 20% 16V
C255	1-123-380-00	ELECT	1MF 20% 50V	C809	1-123-356-00	ELECT	10MF 20% 16V
C256	1-108-365-00	MYLAR	0.001MF 10% 100V	C810	1-123-356-00	ELECT	10MF 20% 16V
C257	1-123-379-00	ELECT	0.47MF 20% 50V	C811	1-102-125-00	CERAMIC	0.0047MF 10% 50V

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C812	1-123-379-00	ELECT 0.47MF	20% 50V	COIL			
C813	1-101-004-00	CERAMIC 0.01MF	50V	L201	1-407-681-00	MICRO INDUCTOR 1UH	
C814	1-102-125-00	CERAMIC 0.0047MF	10% 50V	L203	1-407-690-00	MICRO INDUCTOR 5.6UH	
C815	1-102-856-00	CERAMIC 5PF	0.5PF 50V	L204	1-407-693-00	MICRO INDUCTOR 10UH	
C890	1-102-959-00	CERAMIC 22PF	5% 50V	L205	1-408-678-00	MICRO INDUCTOR 3.9MMH	
FILTER				L206	1-407-687-00	MICRO INDUCTOR 3.3UH	
CD201	1-404-380-00	DISCRIMINATOR, CERAMIC 5.5MHZ		L207	1-459-105-21	COIL(WITH CORE)2.7MMH	
CD202	1-404-379-00	DISCRIMINATOR, CERAMIC 5.74MHZ		L208	1-407-189-XX	MICRO INDUCTOR 8.2UH	
CF201	1-409-327-00	TRAP, CERAMIC (6.5MHZ)		L209	1-407-689-00	MICRO INDUCTOR 4.7UH	
CF202	1-404-134-00	TRAP, CERAMIC (5.5MHZ)		L210	1-407-693-00	MICRO INDUCTOR 10UH	
CF203	1-527-840-00	FILTER, CERAMIC		L211	1-407-690-00	MICRO INDUCTOR 5.6UH	
CF204	1-527-839-00	FILTER, CERAMIC		L212	1-407-697-00	MICRO INDUCTOR 22UH	
CF205	1-527-930-00	FILTER, CERAMIC		L213	1-407-697-00	MICRO INDUCTOR 22UH	
DIODE				L290	1-408-607-00	MICRO INDUCTOR 22UH	
D201	8-719-911-19	DIODE 1SS119		TRANSISTOR			
D202	8-719-104-15	DIODE 1T26N		Q201	8-765-300-00	TRANSISTOR 2SC2009	
D203	8-719-104-15	DIODE 1T26N		Q202	8-725-300-00	TRANSISTOR 2SC2009	
D204	8-719-911-19	DIODE 1SS119		Q203	8-729-245-83	TRANSISTOR 2SC2458	
D205	8-719-911-19	DIODE 1SS119		Q204	8-729-245-83	TRANSISTOR 2SC2458	
D206	8-719-104-15	DIODE 1T26N		Q205	8-729-245-83	TRANSISTOR 2SC2458	
D207	8-719-104-15	DIODE 1T26N		Q206	8-729-245-83	TRANSISTOR 2SC2458	
D208	8-719-104-15	DIODE 1T26N		Q207	8-729-245-83	TRANSISTOR 2SC2458	
D209	8-719-911-19	DIODE 1SS119		Q208	8-729-204-83	TRANSISTOR 2SA1048GR	
D210	8-719-911-19	DIODE 1SS119		Q209	8-729-245-83	TRANSISTOR 2SC2458	
D211	8-719-911-19	DIODE 1SS119		Q210	8-729-204-83	TRANSISTOR 2SA1048GR	
D212	8-719-911-19	DIODE 1SS119		Q211	8-729-204-83	TRANSISTOR 2SA1048GR	
D213	8-719-911-19	DIODE 1SS119		Q212	8-729-245-83	TRANSISTOR 2SC2458	
D214	8-719-911-19	DIODE 1SS119		Q213	8-729-245-83	TRANSISTOR 2SC2458	
D215	8-719-911-19	DIODE 1SS119		Q214	8-729-245-83	TRANSISTOR 2SC2458	
D216	8-719-911-19	DIODE 1SS119		Q215	8-729-245-83	TRANSISTOR 2SC2458	
D217	8-719-911-19	DIODE 1SS119		Q216	8-729-245-83	TRANSISTOR 2SC2458	
D218	8-719-911-19	DIODE 1SS119		Q217	8-729-245-83	TRANSISTOR 2SC2458	
D219	8-719-911-19	DIODE 1SS119		Q218	8-729-245-83	TRANSISTOR 2SC2458	
IC				Q219	8-729-204-83	TRANSISTOR 2SA1048GR	
IC201	8-759-007-78	IC TDA5820		Q220	8-729-245-83	TRANSISTOR 2SC2458	
IC202	8-759-028-40	IC TDA2040		Q221	8-729-204-83	TRANSISTOR 2SA1048GR	
IC203	8-759-193-91	IC UPC1391H		Q222	8-729-245-83	TRANSISTOR 2SC2458	
IC204	8-759-193-91	IC UPC1391H		Q223	8-729-245-83	TRANSISTOR 2SC2458	
IC205	8-759-145-58	IC UPC4558C		Q224	8-729-245-83	TRANSISTOR 2SC2458	
IC206	8-759-340-52	IC HD14052BP		Q225	8-729-204-83	TRANSISTOR 2SA1048GR	
IC207	8-759-927-95	IC TDA2795		Q226	8-729-245-83	TRANSISTOR 2SC2458	
IC208	8-759-145-58	IC UPC4558C		Q227	8-729-245-83	TRANSISTOR 2SC2458	
IC209	8-759-905-55	IC NE555N		Q228	8-729-245-83	TRANSISTOR 2SC2458	
IC210	8-759-905-55	IC NE555N		Q229	8-769-200-10	TRANSISTOR 2SK107-1	
IC211	8-759-000-06	IC TDA2048		Q230	8-729-245-83	TRANSISTOR 2SC2458	
IC212	8-759-340-11	IC HD14011BP		Q231	8-729-245-83	TRANSISTOR 2SC2458	
JACK				Q290	8-729-204-83	TRANSISTOR 2SA1048GR	
J201	1-526-575-00	SOCKET, PLUG		RESISTOR			
R201	1-246-791-00	CARBON 4.7K	1/8W	R201	1-246-791-00	CARBON 4.7K	1/8W
R202	1-246-790-00	CARBON 3.9K	1/8W	R202	1-246-790-00	CARBON 3.9K	1/8W

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R203	1-246-457-00	CARBON	220 5% 1/4W	R256	1-214-957-00	METAL	510K 1% 1/4W
R204	1-246-775-00	CARBON	220 1/8W	R257	1-246-811-00	CARBON	220K 1/8W
R205	1-246-786-00	CARBON	1.8K 1/8W	R258	1-246-791-00	CARBON	4.7K 1/8W
R206	1-247-052-00	CARBON	820K 1/8W	R259	1-246-791-00	CARBON	4.7K 1/8W
R207	1-246-806-00	CARBON	82K 1/8W	R260	1-246-795-00	CARBON	10K 1/8W
R208	1-246-795-00	CARBON	10K 1/8W	R261	1-246-807-00	CARBON	100K 1/8W
R209	1-246-800-00	CARBON	27K 1/8W	R262	1-246-791-00	CARBON	4.7K 1/8W
R210	1-246-801-00	CARBON	33K 1/8W	R263	1-246-791-00	CARBON	4.7K 1/8W
R211	1-246-806-00	CARBON	82K 1/8W	R264	1-246-791-00	CARBON	4.7K 1/8W
R212	1-246-771-00	CARBON	100 1/8W	R265	1-246-791-00	CARBON	4.7K 1/8W
R213	1-246-791-00	CARBON	4.7K 1/8W	R266	1-246-759-00	CARBON	10 1/8W
R214	1-246-790-00	CARBON	3.9K 1/8W	R267	1-246-759-00	CARBON	10 1/8W
R215	1-246-457-00	CARBON	220 5% 1/4W	R268	1-246-759-00	CARBON	10 1/8W
R216	1-246-784-00	CARBON	1.2K 1/8W	R269	1-246-759-00	CARBON	10 1/8W
R217	1-247-839-00	CARBON	2.2K 5% 1/6W	R270	1-246-789-00	CARBON	3.3K 1/8W
R218	1-246-777-00	CARBON	330 1/8W	R271	1-246-789-00	CARBON	3.3K 1/8W
R219	1-246-777-00	CARBON	330 1/8W	R272	1-246-788-00	CARBON	2.7K 1/8W
R220	1-246-783-00	CARBON	1K 1/8W	R273	1-246-788-00	CARBON	2.7K 1/8W
R221	1-246-783-00	CARBON	1K 1/8W	R275	1-246-771-00	CARBON	100 1/8W
R222	1-246-776-00	CARBON	270 1/8W	R276	1-246-771-00	CARBON	100 1/8W
R223	1-246-776-00	CARBON	270 1/8W	R277	1-246-463-00	CARBON	390 5% 1/4W
R224	1-246-778-00	CARBON	390 1/8W	R278	1-246-785-00	CARBON	1.5K 1/8W
R225	1-246-778-00	CARBON	390 1/8W	R279	1-246-776-00	CARBON	270 1/8W
R226	1-247-839-00	CARBON	2.2K 5% 1/6W	R280	1-246-783-00	CARBON	1K 1/8W
R227	1-246-783-00	CARBON	1K 1/8W	R281	1-246-779-00	CARBON	470 1/8W
R228	1-246-783-00	CARBON	1K 1/8W	R282	1-246-776-00	CARBON	270 1/8W
R229	1-246-789-00	CARBON	3.3K 1/8W	R283	1-246-785-00	CARBON	1.5K 1/8W
R230	1-246-795-00	CARBON	10K 1/8W	R284	1-246-783-00	CARBON	1K 1/8W
R231	1-246-807-00	CARBON	100K 1/8W	R285	1-246-779-00	CARBON	470 1/8W
R232	1-246-789-00	CARBON	3.3K 1/8W	R286	1-246-475-00	CARBON	1.2K 5% 1/4W
R233	1-214-777-00	METAL	100K 1% 1/4W	R287	1-246-789-00	CARBON	3.3K 1/8W
R234	1-214-777-00	METAL	100K 1% 1/4W	R288	1-246-807-00	CARBON	100K 1/8W
R235	1-246-473-00	CARBON	1K 5% 1/4W	R289	1-246-806-00	CARBON	82K 1/8W
R236	1-246-811-00	CARBON	220K 1/8W	R290	1-246-807-00	CARBON	100K 1/8W
R237	1-246-792-00	CARBON	5.6K 1/8W	R291	1-246-806-00	CARBON	82K 1/8W
R238	1-246-792-00	CARBON	5.6K 1/8W	R292	1-246-792-00	CARBON	5.6K 1/8W
R239	1-246-792-00	CARBON	5.6K 1/8W	R293	1-246-794-00	CARBON	8.2K 1/8W
R240	1-246-783-00	CARBON	1K 1/8W	R294	1-246-803-00	CARBON	47K 1/8W
R241	1-246-783-00	CARBON	1K 1/8W	R295	1-246-794-00	CARBON	8.2K 1/8W
R242	1-246-791-00	CARBON	4.7K 1/8W	R296	1-246-803-00	CARBON	47K 1/8W
R243	1-246-804-00	CARBON	56K 1/8W	R297	1-246-795-00	CARBON	10K 1/8W
R244	1-246-792-00	CARBON	5.6K 1/8W	R298	1-246-795-00	CARBON	10K 1/8W
R245	1-246-779-00	CARBON	470 1/8W	R299	1-246-803-00	CARBON	47K 1/8W
R246	1-246-793-00	CARBON	6.8K 1/8W	R801	1-246-792-00	CARBON	5.6K 1/8W
R247	1-214-958-00	METAL	560K 1% 1/4W	R802	1-246-792-00	CARBON	5.6K 1/8W
R248	1-214-717-00	METAL	330 1% 1/4W	R804	1-247-829-00	CARBON	820 5% 1/6W
R249	1-246-805-00	CARBON	68K 1/8W	R805	1-246-775-00	CARBON	220 1/8W
R250	1-246-796-00	CARBON	12K 1/8W	R806	1-246-783-00	CARBON	1K 1/8W
R251	1-246-807-00	CARBON	100K 1/8W	R807	1-246-803-00	CARBON	47K 1/8W
R252	1-206-805-00	CARBON	68K 1/8W	R808	1-246-811-00	CARBON	220K 1/8W
R253	1-246-789-00	CARBON	3.3K 1/8W	R809	1-246-795-00	CARBON	10K 1/8W
R254	1-214-716-00	METAL	300 1% 1/4W	R810	1-246-733-00	CARBON	1K 1/8W
R255	1-246-865-00	CARBON	62K 1/8W	R811	1-246-795-00	CARBON	10K 1/8W

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R812	1-247-811-00	CARBON	150 5% 1/8W	R866	1-246-795-00	CARBON	10K 1/8W
R813	1-246-795-00	CARBON	10K 1/8W	R890	1-246-473-00	CARBON	1K 5% 1/4W
R814	1-247-856-00	CARBON	11K 5% 1/8W	R891	1-246-465-00	CARBON	470 5% 1/4W
R815	1-247-825-00	CARBON	560 5% 1/8W	<u>VARIABLE RESISTOR</u>			
R816	1-246-792-00	CARBON	5.6K 1/8W	RV201	1-226-852-00	RES, ADJ, CARBON 22K	
R817	1-246-795-00	CARBON	10K 1/8W	RV202	1-226-849-00	RES, ADJ, CARBON 3.3K	
R818	1-246-793-00	CARBON	1K 1/8W	RV203	1-226-853-00	RES, ADJ, CARBON 47K	
R819	1-246-795-00	CARBON	10K 1/8W	RV204	1-226-849-00	RES, ADJ, CARBON 3.3K	
R820	1-247-811-00	CARBON	150 5% 1/8W	RV205	1-226-849-00	RES, ADJ, CARBON 2.2K	
R821	1-246-795-00	CARBON	10K 1/8W	<u>FILTER</u>			
R822	1-246-792-00	CARBON	5.6K 1/8W	SF201	1-404-382-00	SAWF	
R823	1-246-794-00	CARBON	8.2K 1/8W	SF202	1-404-332-00	SAWF (38.9MHZ)	
R824	1-247-839-00	CARBON	2.2K 5% 1/8W	<u>TRANSFORMER</u>			
R825	1-247-841-00	CARBON	2.7K 5% 1/8W	T201	1-404-068-00	COIL, VIF	
R826	1-246-793-00	CARBON	6.8K 1/8W	T202	1-404-068-00	COIL, VIF	
R827	1-246-792-00	CARBON	5.6K 1/8W	T203	1-404-207-00	COIL, VIF	
R828	1-246-792-00	CARBON	5.6K 1/8W	T204	1-404-203-00	COIL, VIF	
R829	1-246-792-00	CARBON	5.6K 1/8W	T205	1-404-203-00	COIL, VIF	
R830	1-246-792-00	CARBON	5.6K 1/8W	T206	1-404-207-00	COIL, VIF	
R831	1-246-795-00	CARBON	10K 1/8W	T207	1-404-373-00	I.F.T	
R832	1-246-794-00	CARBON	8.2K 1/8W	T208	1-404-331-00	COIL, VIF	
R833	1-246-799-00	CARBON	3.3K 1/8W	T209	1-404-483-00	COIL, IF	
R835	1-247-829-00	CARBON	820 5% 1/8W	T210	1-404-483-00	COIL, IF	
R836	1-246-791-00	CARBON	4.7K 1/8W	T211	1-404-218-00	IFT	
R837	1-246-783-00	CARBON	1K 1/8W	T212	1-404-218-00	IFT	
R838	1-246-794-00	CARBON	3.2K 1/8W	T213	1-404-217-00	IFT	
R839	1-246-792-00	CARBON	5.6K 1/8W	<u>THERMISTOR</u>			
R840	1-246-792-00	CARBON	5.6K 1/8W	TH201	1-800-945-00	THERMISTOR S-10K	
R841	1-246-792-00	CARBON	5.6K 1/8W	*****			
R842	1-246-792-00	CARBON	5.6K 1/8W	1-611-020-00	A1 BOARD		
R843	1-247-861-00	CARBON	18K 5% 1/8W	*****			
R844	1-246-803-00	CARBON	47K 1/8W	1-557-043-00	CONNECTOR ASSY (2.5MM) 5P		
R845	1-246-803-00	CARBON	47K 1/8W	<u>CAPACITOR</u>			
R846	1-246-803-00	CARBON	47K 1/8W	C1201	1-123-661-00	ELECT	100MF 20% 6.3V
R847	1-246-803-00	CARBON	47K 1/8W	C1202	1-161-317-00	CERAMIC	330PF 10% 50V
R848	1-246-791-00	CARBON	4.7K 1/8W	C1203	1-161-316-00	CERAMIC	270PF 10% 50V
R849	1-246-795-00	CARBON	10K 1/8W	C1204	1-161-316-00	CERAMIC	270PF 10% 50V
R850	1-246-807-00	CARBON	100K 1/8W	C1205	1-161-272-00	CERAMIC	120PF 5% 50V
R851	1-246-795-00	CARBON	10K 1/8W	C1206	1-123-661-00	ELECT	100MF 20% 6.3V
R852	1-246-807-00	CARBON	100K 1/8W	C1207	1-161-269-00	CERAMIC	68PF 5% 50V
R853	1-246-795-00	CARBON	10K 1/8W	C1208	1-161-267-00	CERAMIC	47PF 5% 50V
R854	1-246-807-00	CARBON	100K 1/8W	C1209	1-123-661-00	ELECT	100MF 20% 6.3V
R855	1-246-795-00	CARBON	10K 1/8W	C1210	1-161-316-00	CERAMIC	270PF 10% 50V
R856	1-246-795-00	CARBON	10K 1/8W	C1211	1-123-645-00	ELECT	33MF 20% 10V
R857	1-246-789-00	CARBON	3.3K 1/8W	C1212	1-123-333-00	ELECT	100MF 20% 16V
R858	1-246-795-00	CARBON	10K 1/8W				
R859	1-246-789-00	CARBON	3.3K 1/8W				
R860	1-246-807-00	CARBON	100K 1/8W				
R861	1-246-783-00	CARBON	1K 1/8W				
R862	1-246-803-00	CARBON	47K 1/8W				
R863	1-246-803-00	CARBON	47K 1/8W				
R864	1-246-792-00	CARBON	5.6K 1/8W				
R865	1-247-825-00	CARBON	560 5% 1/8W				

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Ref.No	Part No	Description	Remark
<u>DIODE</u>			
D1201	8-719-026-11	DIODE 1T261	
D1202	8-719-026-11	DIODE 1T261	
<u>COIL</u>			
L1201	1-408-414-00	MICRO INDUCTOR 27UH	
L1202	1-408-414-00	MICRO INDUCTOR 27UH	
L1203	1-408-414-00	MICRO INDUCTOR 27UH	
L1204	1-408-414-00	MICRO INDUCTOR 27UH	
L1205	1-408-414-00	MICRO INDUCTOR 27UH	
<u>TRANSISTOR</u>			
Q1201	8-729-178-54	TRANSISTOR 2SC2785	
Q1202	8-729-178-54	TRANSISTOR 2SC2785	
Q1203	8-729-178-54	TRANSISTOR 2SC2785	
Q1204	8-729-178-54	TRANSISTOR 2SC2785	
Q1205	8-729-178-54	TRANSISTOR 2SC2785	
Q1206	8-729-178-54	TRANSISTOR 2SC2785	
Q1207	8-729-117-54	TRANSISTOR 2SA1175	
Q1208	8-729-117-54	TRANSISTOR 2SA1175	
Q1209	8-729-178-54	TRANSISTOR 2SC2785	
Q1210	8-729-178-54	TRANSISTOR 2SC2785	
Q1211	8-729-178-54	TRANSISTOR 2SC2785	
Q1212	8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R1201	1-247-847-00	CARBON 4.7K 5% 1/6W	
R1202	1-247-853-00	CARBON 8.2K 5% 1/6W	
R1203	1-247-823-00	CARBON 470 5% 1/6W	
R1204	1-247-823-00	CARBON 470 5% 1/6W	
R1205	1-247-821-00	CARBON 390 5% 1/6W	
R1206	1-247-823-00	CARBON 470 5% 1/6W	
R1207	1-247-823-00	CARBON 470 5% 1/6W	
R1208	1-247-820-00	CARBON 360 5% 1/6W	
R1209	1-247-823-00	CARBON 470 5% 1/6W	
R1210	1-247-823-00	CARBON 470 5% 1/6W	
R1211	1-247-820-00	CARBON 360 5% 1/6W	
R1212	1-247-847-00	CARBON 4.7K 5% 1/6W	
R1213	1-247-853-00	CARBON 8.2K 5% 1/6W	
R1214	1-247-823-00	CARBON 470 5% 1/6W	
R1215	1-247-823-00	CARBON 470 5% 1/6W	
R1216	1-247-821-00	CARBON 390 5% 1/6W	
R1217	1-247-823-00	CARBON 470 5% 1/6W	
R1218	1-247-823-00	CARBON 470 5% 1/6W	
R1219	1-247-820-00	CARBON 360 5% 1/6W	
R1220	1-247-821-00	CARBON 390 5% 1/6W	
R1221	1-247-819-00	CARBON 330 5% 1/6W	
R1222	1-247-831-00	CARBON 1K 5% 1/6W	
R1223	1-247-863-00	CARBON 22K 5% 1/6W	
R1224	1-247-851-00	CARBON 6.8K 5% 1/6W	
R1225	1-246-473-00	CARBON 1K 5% 1/4W	
R1226	1-246-473-00	CARBON 1K 5% 1/4W	

Ref.No	Part No	Description	Remark
R1227	1-247-855-00	CARBON 10K 5% 1/6W	
R1228	1-247-818-00	CARBON 300 5% 1/6W	
R1229	1-247-855-00	CARBON 10K 5% 1/6W	
R1230	1-247-871-00	CARBON 47K 5% 1/6W	
R1231	1-247-871-00	CARBON 47K 5% 1/6W	
R1232	1-247-871-00	CARBON 47K 5% 1/6W	

♣:A-1306-272-A M BOARD, COMPLETE			

♣:1-551-959-00 CONNECTOR ASSY (2.5MM) 5P			
♣:4-356-323-00 CASE (UPPER), SHIELD, M			
♣:4-357-817-00 CASE (MAIN), SHIELD, M			
♣:4-357-818-00 CASE (LOWER), SHIELD, M			
<u>CAPACITOR</u>			
C001	1-161-327-00	CERAMIC 0.0033MF 30% 50V	
C002	1-123-380-00	ELECT 1MF 20% 50V	
C003	1-161-330-00	CERAMIC 0.01MF 30% 25V	
C004	1-161-313-00	CERAMIC 150PF 10% 50V	
C005	1-161-313-00	CERAMIC 150PF 10% 50V	
C006	1-123-356-00	ELECT 10NF 20% 16V	
C007	1-123-369-00	ELECT 4.7MF 20% 50V	
C008	1-123-356-00	ELECT 10NF 20% 16V	
C009	1-161-327-00	CERAMIC 0.0033MF 30% 50V	
C010	1-161-327-00	CERAMIC 0.0033MF 30% 50V	
C011	1-161-327-00	CERAMIC 0.0033MF 30% 50V	
C012	1-161-265-00	CERAMIC 33PF 5% 50V	
C013	1-161-265-00	CERAMIC 33PF 5% 50V	
C014	1-123-380-00	ELECT 1MF 20% 50V	
C015	1-123-380-00	ELECT 1MF 20% 50V	
C016	1-108-389-00	MYLAR 0.1MF 10% 100V	
C017	1-123-380-00	ELECT 1MF 20% 50V	
C018	1-108-377-00	MYLAR 0.01MF 10% 100V	
C019	1-161-327-00	CERAMIC 0.0033MF 30% 50V	
C020	1-123-379-00	ELECT 0.47MF 20% 50V	
C021	1-123-380-00	ELECT 1MF 20% 50V	
C022	1-123-318-00	ELECT 33MF 20% 16V	
C023	1-123-357-00	ELECT 22MF 20% 50V	
C024	1-123-380-00	ELECT 1MF 20% 50V	
C025	1-108-383-00	MYLAR 0.033MF 10% 100V	
C026	1-108-367-00	MYLAR 0.0015MF 10% 100V	
C027	1-123-323-00	ELECT 470MF 20% 16V	
C028	1-161-323-00	CERAMIC 0.001MF 10% 50V	
C029	1-123-379-00	ELECT 0.47MF 20% 50V	
C030	1-123-318-00	ELECT 33MF 20% 16V	
C031	1-123-330-00	ELECT 22MF 20% 16V	
C032	1-161-494-00	CERAMIC 0.022MF 30% 25V	
C033	1-123-332-00	ELECT 47MF 20% 16V	
C301	1-108-377-00	MYLAR 0.01MF 10% 100V	
C302	1-108-377-00	MYLAR 0.01MF 10% 100V	
C303	1-108-377-00	MYLAR 0.01MF 10% 100V	

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Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C304	1-108-377-00	MYLAR 0.01MF	10% 100V	D021	8-719-911-19	DIODE 1SS119	
C305	1-108-377-00	MYLAR 0.01MF	10% 100V	D023	8-719-911-19	DIODE 1SS119	
C306	1-108-377-00	MYLAR 0.01MF	10% 100V	D024	8-719-911-19	DIODE 1SS119	
C307	1-123-318-00	ELECT 33MF	20% 16V	D027	8-719-911-19	DIODE 1SS119	
C308	1-123-318-00	ELECT 33MF	20% 16V	D301	8-719-110-07	DIODE RD10E	
C309	1-123-318-00	ELECT 33MF	20% 16V	D302	8-719-911-19	DIODE 1SS119	
C310	1-123-318-00	ELECT 33MF	20% 16V	D303	8-719-911-19	DIODE 1SS119	
C311	1-123-318-00	ELECT 33MF	20% 16V	D304	8-719-911-19	DIODE 1SS119	
C312	1-123-380-00	ELECT 470MF	20% 16V	D305	8-719-911-19	DIODE 1SS119	
C313	1-161-330-00	CERAMIC 0.01MF	30% 25V	D306	8-719-911-19	DIODE 1SS119	
C314	1-161-330-00	CERAMIC 0.01MF	30% 25V	D307	8-719-911-19	DIODE 1SS119	
C315	1-161-330-00	CERAMIC 0.01MF	30% 25V	D308	8-719-911-19	DIODE 1SS119	
C316	1-123-381-00	ELECT 2.2MF	20% 50V	D309	8-719-911-19	DIODE 1SS119	
C317	1-123-380-00	ELECT 1MF	20% 50V	D310	8-719-911-19	DIODE 1SS119	
C318	1-123-380-00	ELECT 1MF	20% 50V	D311	8-719-911-19	DIODE 1SS119	
C319	1-123-369-00	ELECT 4.7MF	20% 50V	IC			
C320	1-102-965-00	CERAMIC 39PF	5% 50V	IC001	8-759-600-03	IC M50120P	
C321	1-123-333-00	ELECT 100MF	20% 16V	IC002	8-759-600-47	IC M50118AP	
C322	1-123-325-00	ELECT 2200MF	20% 16V	IC003	8-759-600-15	IC M5G1400P	
C323	1-102-965-00	CERAMIC 39PF	5% 50V	IC004	8-759-600-15	IC M54570L	
C324	1-123-333-00	ELECT 100MF	20% 16V	IC005	8-759-340-27	IC HD14027BP	
C325	1-123-325-00	ELECT 2200MF	20% 16V	IC006	8-759-340-27	IC HD14027BP	
C327	1-123-447-00	ELECT 0.22MF	20% 50V	IC007	8-759-600-15	IC M54570L	
C330	1-123-447-00	ELECT 0.22MF	20% 50V	IC008	8-759-600-15	IC M54570L	
C333	1-123-447-00	ELECT 0.22MF	20% 50V	IC301	8-759-340-53	IC HD14053BP	
C336	1-123-447-00	ELECT 0.22MF	20% 50V	IC302	8-759-340-52	IC HD14052BP	
C338	1-102-947-00	CERAMIC 10PF	5% 50V	IC303	8-759-240-16	IC TC4016BP	
C339	1-102-947-00	CERAMIC 10PF	5% 50V	IC304	8-759-145-58	IC UPC4558C	
C342	1-123-381-00	ELECT 2.2MF	20% 50V	IC305	8-759-145-58	IC UPC4558C	
C343	1-123-381-00	ELECT 2.2MF	20% 50V	IC306	8-759-145-58	IC UPC4558C	
C344	1-123-381-00	ELECT 2.2MF	20% 50V	COIL			
C345	1-123-318-00	ELECT 33MF	20% 16V	L001	1-407-192-XX	MICRO INDUCTOR 560UH	
C346	1-123-318-00	ELECT 33MF	20% 16V	L002	1-407-192-XX	MICRO INDUCTOR 560UH	
C347	1-123-333-00	ELECT 100MF	20% 16V	L003	1-407-192-XX	MICRO INDUCTOR 560UH	
C348	1-161-494-00	CERAMIC 0.022MF	30% 25V	L004	1-408-247-00	MICRO INDUCTOR 33MMH	
C349	1-123-323-00	ELECT 470MF	20% 16V	CONNECTOR			
C357	1-123-318-00	ELECT 33MF	20% 16V	M1	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
FILTER				M2	1-560-125-00	PLUG, CONNECTOR (2.5MM) 6P	
CF001	1-527-476-00	OSCILLATOR, CERAMIC		M3	1-560-129-00	PLUG, CONNECTOR (2.5MM) 9P	
CF002	1-527-932-00	OSCILLATOR, CERAMIC		M4	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
DIODE				M5	1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
D001	8-719-102-90	DIODE RD10E-M2		M6	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
D002	8-719-911-19	DIODE 1SS119		M7	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D008	8-719-911-19	DIODE 1SS119		M8	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
D009	8-719-911-19	DIODE 1SS119		M9	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
D010	8-759-157-40	IC UPC574J		M10	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D016	8-719-911-19	DIODE 1SS119		M11	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D017	8-719-911-19	DIODE 1SS119		M12	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
D018	8-719-911-19	DIODE 1SS119		M13	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
D019	8-719-911-19	DIODE 1SS119		M14	1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)	
D020	8-719-911-19	DIODE 1SS119		M15	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	

M

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
M16	1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		R011	1-247-049-00	CARBON 470K	1/8W
M17	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		R012	1-247-053-00	CARBON 1M	1/8W
<u>TRANSISTOR</u>				R013	1-246-808-00	CARBON 12K	1/8W
Q001	8-729-204-83	TRANSISTOR 2SA1040GR		R014	1-246-807-00	CARBON 100K	1/8W
Q002	8-729-245-83	TRANSISTOR 2SC2458		R015	1-246-807-00	CARBON 100K	1/8W
Q003	8-729-245-83	TRANSISTOR 2SC2458		R016	1-246-793-00	CARBON 1K	1/8W
Q004	8-729-245-83	TRANSISTOR 2SC2458		R017	1-246-793-00	CARBON 1K	1/8W
Q005	8-729-204-83	TRANSISTOR 2SA1048GR		R018	1-246-793-00	CARBON 1K	1/8W
Q006	8-729-204-83	TRANSISTOR 2SA1048GR		R019	1-246-793-00	CARBON 6.8K	1/8W
Q007	8-729-245-83	TRANSISTOR 2SC2458		R020	1-206-668-00	METAL OXIDE 1.5K 5% 2W	F
Q008	8-729-204-83	TRANSISTOR 2SA1048GR		R022	1-246-795-00	CARBON 10K	1/8W
Q009	8-729-204-83	TRANSISTOR 2SA1048GR		R023	1-246-793-00	CARBON 1K	1/8W
Q010	8-729-245-83	TRANSISTOR 2SC2458		R024	1-246-799-00	CARBON 22K	1/8W
Q011	8-729-245-83	TRANSISTOR 2SC2458		R025	1-246-799-00	CARBON 22K	1/8W
Q012	8-729-204-83	TRANSISTOR 2SA1048GR		R026	1-246-799-00	CARBON 22K	1/8W
Q013	8-729-245-83	TRANSISTOR 2SC2458		R027	1-246-795-00	CARBON 10K	1/8W
Q014	8-729-245-83	TRANSISTOR 2SC2458		R028	1-246-795-00	CARBON 10K	1/8W
Q015	8-729-245-83	TRANSISTOR 2SC2458		R029	1-246-803-00	CARBON 47K	1/8W
Q016	8-729-245-83	TRANSISTOR 2SC2458		R030	1-246-801-00	CARBON 33K	1/8W
Q017	8-729-204-83	TRANSISTOR 2SA1048GR		R031	1-246-803-00	CARBON 47K	1/8W
Q018	8-729-245-83	TRANSISTOR 2SC2458		R032	1-246-803-00	CARBON 47K	1/8W
Q019	8-729-204-83	TRANSISTOR 2SA1048GR		R033	1-246-795-00	CARBON 10K	1/8W
Q020	8-729-245-83	TRANSISTOR 2SC2458		R034	1-246-803-00	CARBON 47K	1/8W
Q021	8-729-245-83	TRANSISTOR 2SC2458		R035	1-246-803-00	CARBON 47K	1/8W
Q022	8-729-204-83	TRANSISTOR 2SA1048GR		R036	1-246-803-00	CARBON 47K	1/8W
Q023	8-729-245-83	TRANSISTOR 2SC2458		R037	1-246-795-00	CARBON 10K	1/8W
Q301	8-729-245-83	TRANSISTOR 2SC2458		R038	1-246-785-00	CARBON 1.5K	1/8W
Q302	8-729-245-83	TRANSISTOR 2SC2458		R039	1-246-792-00	CARBON 5.6K	1/8W
Q303	8-729-245-83	TRANSISTOR 2SC2458		R044	1-246-797-00	CARBON 15K	1/8W
Q304	8-729-245-83	TRANSISTOR 2SC2458		R046	1-246-807-00	CARBON 100K	1/8W
Q305	8-729-245-83	TRANSISTOR 2SC2458		R048	1-246-807-00	CARBON 100K	1/8W
Q306	8-729-245-83	TRANSISTOR 2SC2458		R049	1-246-807-00	CARBON 100K	1/8W
Q307	8-729-245-83	TRANSISTOR 2SC2458		R050	1-247-047-00	CARBON 330K	1/8W
Q308	8-729-204-83	TRANSISTOR 2SA1048GR		R051	1-246-807-00	CARBON 100K	1/8W
Q309	8-729-245-83	TRANSISTOR 2SC2458		R052	1-246-797-00	CARBON 15K	1/8W
Q310	8-729-245-83	TRANSISTOR 2SC2458		R053	1-246-795-00	CARBON 10K	1/8W
Q311	8-729-245-83	TRANSISTOR 2SC2458		R054	1-246-784-00	CARBON 1.2K	1/8W
Q312	8-729-245-83	TRANSISTOR 2SC2458		R055	1-246-784-00	CARBON 1.2K	1/8W
Q313	8-729-204-83	TRANSISTOR 2SA1048GR		R056	1-246-784-00	CARBON 1.2K	1/8W
Q314	8-729-204-83	TRANSISTOR 2SA1048GR		R057	1-246-784-00	CARBON 1.2K	1/8W
<u>RESISTOR</u>				R058	1-246-784-00	CARBON 1.2K	1/8W
R001	1-246-799-00	CARBON 22K	1/8W	R059	1-246-782-00	CARBON 820	1/8W
R002	1-246-789-00	CARBON 3.3K	1/8W	R060	1-246-782-00	CARBON 820	1/8W
R003	1-246-771-00	CARBON 100	1/8W	R061	1-246-782-00	CARBON 820	1/8W
R004	1-246-795-00	CARBON 10K	1/8W	R062	1-246-777-00	CARBON 330	1/8W
R005	1-246-799-00	CARBON 22K	1/8W	R063	1-246-777-00	CARBON 330	1/8W
R006	1-246-783-00	CARBON 1K	1/8W	R066	1-246-771-00	CARBON 100	1/8W
R007	1-246-783-00	CARBON 1K	1/8W	R067	1-246-783-00	CARBON 1K	1/8W
R008	1-246-803-00	CARBON 47K	1/8W	R068	1-246-803-00	CARBON 47K	1/8W
R009	1-246-803-00	CARBON 47K	1/8W	R069	1-247-046-00	CARBON 270K	1/8W
R010	1-246-809-00	CARBON 150K	1/8W	R070	1-246-789-00	CARBON 3.3K	1/8W
				R071	1-246-783-00	CARBON 1K	1/8W
				R072	1-246-803-00	CARBON 47K	1/8W

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S

H1

1Ref.No	Part No	Description	Remark
R073	1-246-803-00	CARBON 47K	1/8W
R075	1-246-807-00	CARBON 100K	1/8W
R076	1-246-803-00	CARBON 47K	1/8W
R077	1-246-794-00	CARBON 8.2K	1/8W
R078	1-246-801-00	CARBON 33K	1/8W
R079	1-246-803-00	CARBON 47K	1/8W
R080	1-246-795-00	CARBON 10K	1/8W
R081	1-246-777-00	CARBON 330	1/8W
R082	1-246-801-00	CARBON 33K	1/8W
R083	1-246-811-00	CARBON 220K	1/8W
R084	1-246-795-00	CARBON 10K	1/8W
R085	1-246-793-00	CARBON 1K	1/8W
R086	1-247-047-00	CARBON 330K	1/8W
R087	1-246-788-00	CARBON 2.7K	1/8W
R088	1-246-807-00	CARBON 100K	1/8W
R089	1-246-807-00	CARBON 100K	1/8W
R090	1-246-792-00	CARBON 5.6K	1/8W
R091	1-246-799-00	CARBON 22K	1/8W
R092	1-247-047-00	CARBON 330K	1/8W
R301	1-246-787-00	CARBON 2.2K	1/8W
R302	1-246-787-00	CARBON 2.2K	1/8W
R303	1-246-787-00	CARBON 2.2K	1/8W
R304	1-246-787-00	CARBON 2.2K	1/8W
R305	1-246-787-00	CARBON 2.2K	1/8W
R306	1-246-737-00	CARBON 2.2K	1/8W
R316	1-246-453-00	CARBON 150	5% 1/4W
R317	1-246-781-00	CARBON 680	1/8W
R321	1-246-784-00	CARBON 1.2K	1/8W
R322	1-246-796-00	CARBON 1.8K	1/8W
R325	1-246-785-00	CARBON 1.5K	1/8W
R326	1-246-755-00	CARBON 4.7	1/8W
R327	1-246-755-00	CARBON 4.7	1/8W
R328	1-246-784-00	CARBON 1.2K	1/8W
R329	1-246-786-00	CARBON 1.8K	1/8W
R332	1-246-785-00	CARBON 1.5K	1/8W
R333	1-246-755-00	CARBON 4.7	1/8W
R334	1-246-755-00	CARBON 4.7	1/8W
R338	1-246-775-00	CARBON 220	1/8W
R339	1-246-783-00	CARBON 1K	1/8W
R340	1-246-794-00	CARBON 8.2K	1/8W
R341	1-246-781-00	CARBON 680	1/8W
R343	1-246-775-00	CARBON 220	1/8W
R344	1-246-804-00	CARBON 56K	1/8W
R348	1-246-775-00	CARBON 220	1/8W
R353	1-246-775-00	CARBON 220	1/8W
R358	1-212-889-00	FUSIBLE 220	5% 1/4W F
R359	1-246-781-00	CARBON 680	1/8W
R360	1-246-781-00	CARBON 680	1/8W
R361	1-246-795-00	CARBON 10K	1/8W
R362	1-246-795-00	CARBON 10K	1/8W
R363	1-246-799-00	CARBON 22K	1/8W
R364	1-246-799-00	CARBON 22K	1/8W

Ref.No	Part No	Description	Remark
1-607-157-00	S BOARD	*****	
CAPACITOR			
C101	1-108-387-00	MYLAR 0.068MF	10% 100V
C102	1-108-387-00	MYLAR 0.068MF	10% 100V
C103	1-161-265-00	CERAMIC 33PF	5% 50V
C104	1-123-318-00	ELECT 33MF	20% 16V
C105	1-161-328-00	CERAMIC 0.0047MF	30% 50V
C106	1-123-324-00	ELECT 1000MF	20% 16V
C107	1-123-356-00	ELECT 10MF	20% 16V
C108	1-123-356-00	ELECT 10MF	20% 16V
C109	1-103-389-00	MYLAR 0.1MF	10% 100V
C110	1-123-380-00	ELECT 1MF	20% 50V
DIODE			
D101	8-719-911-91	DIODE 1SS119	
JACK			
J101	1-526-575-00	SOCKET, PLUG	
COIL			
L101	1-408-242-00	MICRO INDUCTOR 10MMH	
TRANSISTOR			
Q101	8-729-245-83	TRANSISTOR 2SC2458	
RESISTOR			
R101	1-246-799-00	CARBON 22K	1/8W
R103	1-247-047-00	CARBON 330K	1/8W
R104	1-246-787-00	CARBON 2.2K	1/8W
R105	1-246-787-00	CARBON 2.2K	1/8W
R106	1-246-810-00	CARBON 180K	1/8W
CONNECTOR			
S1	1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P	
S2	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	

1-607-158-00	H1 BOARD	*****	
1-555-356-00	CONNECTOR ASSY (2.5MM) 6P		
1-555-837-00	CONNECTOR ASSY (2.5MM) 6P		
1-555-966-00	CONNECTOR ASSY (2.5MM) 5P		
1-556-004-00	CONNECTOR ASSY (2.5MM) 6P		
1-556-235-00	CONNECTOR ASSY (2.5MM) 4P		
4-342-714-00	COVER, LED		
4-350-901-00	HOLDER (M), LED		
4-357-812-00	HOLDER, LED		
4-357-813-00	COVER, LED HOLDER		

H1

H2

HL

K

Ref.No	Part No	Description	Remark
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CAPACITOR

C451	1-123-369-00	ELECT	4.7MF 20% 50V
C452	1-123-369-00	ELECT	4.7MF 20% 50V
C453	1-123-381-00	ELECT	2.2MF 20% 50V

DIODE

D456	8-719-911-19	DIODE	ISS119
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IC

IC451	8-759-619-03	IC	M519J3L
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DIODE

LED451	8-719-901-96	DIODE	SLP161B
LED452	8-719-903-61	DIODE	SLP361B
LED454	8-719-912-61	DIODE	SLP261B
LED455	8-719-902-06	DIODE	SLP152B-50

RESISTOR

R451	1-246-799-00	CARBON	22K 1/8W
R452	1-246-771-00	CARBON	100 1/8W
R453	1-246-787-00	CARBON	2.2K 1/8W

VARIABLE RESISTOR

RV451	1-228-366-00	RES, VAR,	CARBON 20K/20K
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SWITCH

S451	1-553-329-00	SWITCH, PUSH	(MONO KEY)
S452	1-554-118-00	SWITCH, PUSH	
S453	1-553-329-00	SWITCH, PUSH	(MONO KEY)
S454	1-554-118-00	SWITCH, PUSH	
S455	1-553-766-00	SWITCH, KEY	BOARD

S456	1-553-766-00	SWITCH, KEY	BOARD
S457	1-553-766-00	SWITCH, KEY	BOARD
S458	1-553-766-00	SWITCH, KEY	BOARD
S459	1-553-766-00	SWITCH, KEY	BOARD
S460	1-553-766-00	SWITCH, KEY	BOARD

S461	1-553-766-00	SWITCH, KEY	BOARD
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●:1-607-159-00 H2 BOARD

SWITCH

S462	1-553-766-00	SWITCH, KEY	BOARD
S463	1-553-766-00	SWITCH, KEY	BOARD

Ref.No	Part No	Description	Remark
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●:1-607-160-00 HL BOARD

●:1-555-954-00 CONNECTOR ASSY (2.5MM) 9P
●:1-556-093-00 CONNECTOR ASSY (2.5MM) 12P
●:4-345-836-00 HOLDER (S-2), LED

IC

IC401	8-759-600-18	IC	M54847P
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DIODE

LED401	8-719-106-34	DIODE	SR632D
LED402	8-719-106-34	DIODE	SR632D
LED403	8-719-106-34	DIODE	SR632D
LED404	8-719-106-34	DIODE	SR632D
LED405	8-719-106-34	DIODE	SR632D

LED406	8-719-114-34	DIODE	SY432D
LED407	8-719-114-34	DIODE	SY432D
LED408	8-719-114-34	DIODE	SY432D
LED409	8-719-106-34	DIODE	SR632D
LED410	8-719-803-24	DIODE	TLR324

●:1-526-638-00 SOCKET, IC (9P), LED410

RESISTOR

R401	1-246-477-00	CARBON	1.5K 5% 1/4W
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●:1-607-156-00 K BOARD

●:1-556-020-00 CONNECTOR ASSY (2.5MM) 3P
●:1-556-235-00 CONNECTOR ASSY (2.5MM) 4P
●:1-556-236-00 CONNECTOR ASSY (2.5MM) 8P

CONNECTOR

KP701	1-536-713-00	TERMINAL BOARD, CONNECTOR
KP702	1-536-713-00	TERMINAL BOARD, CONNECTOR

RESISTOR

R701	1-246-830-00	CARBON	75 1/8W
R702	1-246-787-00	CARBON	2.2K 1/8W
R703	1-246-787-00	CARBON	2.2K 1/8W
R704	1-246-804-00	CARBON	56K 1/8W
R705	1-246-804-00	CARBON	56K 1/8W

R706	1-246-787-00	CARBON	2.2K 1/8W
R707	1-246-787-00	CARBON	2.2K 1/8W
R708	1-246-830-00	CARBON	75 1/8W
R709	1-246-787-00	CARBON	2.2K 1/8W
R710	1-246-787-00	CARBON	2.2K 1/8W

R711	1-246-804-00	CARBON	56K 1/8W
R712	1-246-804-00	CARBON	56K 1/8W
R713	1-246-787-00	CARBON	2.2K 1/8W
R714	1-246-787-00	CARBON	2.2K 1/8W

K

Z

N

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R715	1-246-769-00	CARBON 68	1/8W	4-342-118-00	LID, SHIELD CASE, R		
R716	1-246-769-00	CARBON 68	1/8W				
R717	1-246-783-00	CARBON 1K	1/8W				
R718	1-246-791-00	CARBON 4.7K	1/8W				
R719	1-246-791-00	CARBON 4.7K	1/8W				
R720	1-246-811-00	CARBON 220K	1/8W				
R721	1-246-811-00	CARBON 220K	1/8W				
R722	1-246-791-00	CARBON 4.7K	1/8W				
R723	1-246-791-00	CARBON 4.7K	1/8W				
R724	1-246-769-00	CARBON 68	1/8W				
R725	1-246-769-00	CARBON 68	1/8W				
R726	1-246-783-00	CARBON 1K	1/8W				
R727	1-246-791-00	CARBON 4.7K	1/8W				
R728	1-246-791-00	CARBON 4.7K	1/8W				
R729	1-246-811-00	CARBON 220K	1/8W				
R730	1-246-811-00	CARBON 220K	1/8W				
R731	1-246-791-00	CARBON 4.7K	1/8W				
R732	1-246-791-00	CARBON 4.7K	1/8W				

1-607-161-00 Z BOARD

CAPACITOR

C501	1-102-973-00	CERAMIC	100PF	5%	50V
C502	1-102-973-00	CERAMIC	100PF	5%	50V
C503	1-123-356-00	ELECT	10MF	20%	16V
C504	1-123-356-00	ELECT	10MF	20%	16V
C505	1-123-333-00	ELECT	100MF	20%	16V
C506	1-123-333-00	ELECT	100MF	20%	16V
C507	1-123-318-00	ELECT	33MF	20%	16V
C508	1-123-321-00	ELECT	220MF	20%	16V
C509	1-161-494-00	CERAMIC	0.022MF	30%	25V
C510	1-161-494-00	CERAMIC	0.022MF	30%	25V

IC

IC501 8-759-841-75 IC LA4175

JACK

J501 1-507-657-00 JACK

COIL

L501 1-408-163-00 MICRO INDUCTOR 5.6MMH

CONNECTOR

Z1 1-560-125-00 PLUG, CONNECTOR (2.5MM) 5P

1-606-794-00 N BOARD

4-342-117-00 CASE, SHIELD (MAIN), R

C1	1-123-617-00	ELECT	10MF	20%	16V
C2	1-123-617-00	ELECT	10MF	20%	16V
C3	1-123-617-00	ELECT	10MF	20%	16V
C4	1-161-019-00	CERAMIC	0.033MF	10%	25V
C5	1-108-567-00	MYLAR	0.0033MF	5%	50V
C6	1-123-821-00	ELECT	47MF	20%	16V
D1	8-719-110-32	DIODE PH302B			
IC1	8-759-113-73	IC UPC1373H			
L1	1-404-310-00	COIL	4.7MMH		

MISCELLANEOUS

A.1-463-350-31	TUNER, ET (BT-881)
A.1-551-427-11	CORD, POWER, EULO PLUG
1-555-069-00	CONNECTOR ASSY (2.5MM) 3P
1-555-400-00	CABLE, PIN
1-555-966-00	CONNECTOR ASSY (2.5MM) 5P
1-556-057-00	CONNECTOR ASSY (LARGE) 3P
1-556-135-00	CONNECTOR ASSY (2.5MM) 7P
1-556-140-21	CABLE, ANTENNA
1-556-235-00	CONNECTOR ASSY (2.5MM) 4P
1-556-236-00	CONNECTOR ASSY (2.5MM) 8P
1-556-329-00	CONNECTOR ASSY (2.5MM) 3P
1-562-059-11	CONNECTOR, ANTENNA, INPUT

S901 A.1-553-330-21 SWITCH, PUSH (POWER)

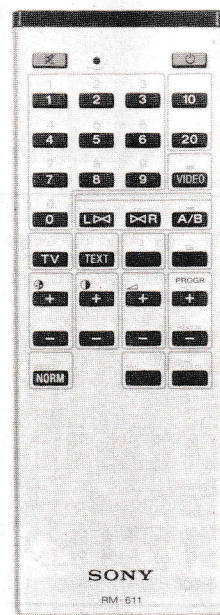
ACCESSORIES AND PACKING MATERIALS

Part.No	Description	Remark
A-1009-093-A	COMMANDER ASSY (RM-611)	
1-506-442-00	PLUG, AERIAL CONVERSION	
1-555-259-31	CABLE, VIDEO (VK-20)	
4-309-407-00	BAG, POLYETHYLENE	
4-357-830-00	CUSHION (SIDE)	
4-357-831-00	CUSHION (UPPER)	
4-493-658-31	MANUAL, INSTRUCTION	
4-361-147-00	INDIVIDUAL CARTON	

Note: Les composants identifiés par une trame et une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

RM-611



September, 1983

SPECIFICATIONS

Remote Control System:	Infrared control
Power Requirements:	3 V dc 2 batteries size AA (IEC Battery Designation R6)
Dimensions:	Approx. 65 x 185 x 18 mm (w/h/d)
Weight:	Approx. 170 g including batteries
Supplied Accessory:	Battery size AA (2 pcs.)

REMOTE COMMANDER
SONY®

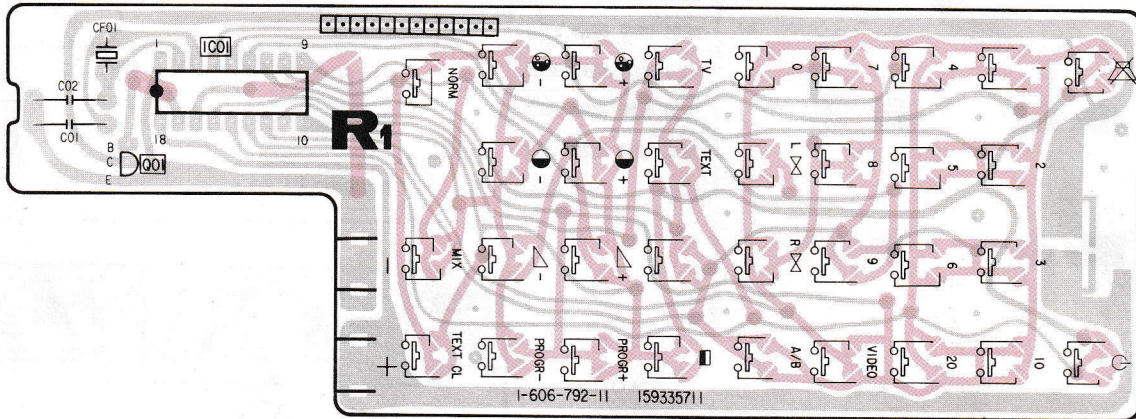
R1 R2

1. MOUNTING DIAGRAM

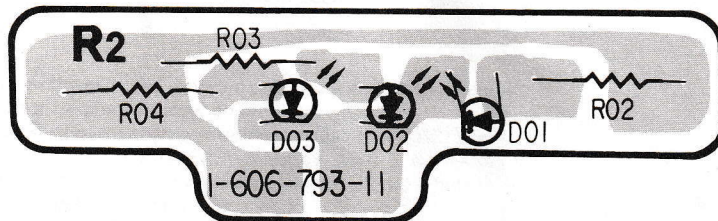
— Conductor Side —

A B C D E F G

— R1 Board —

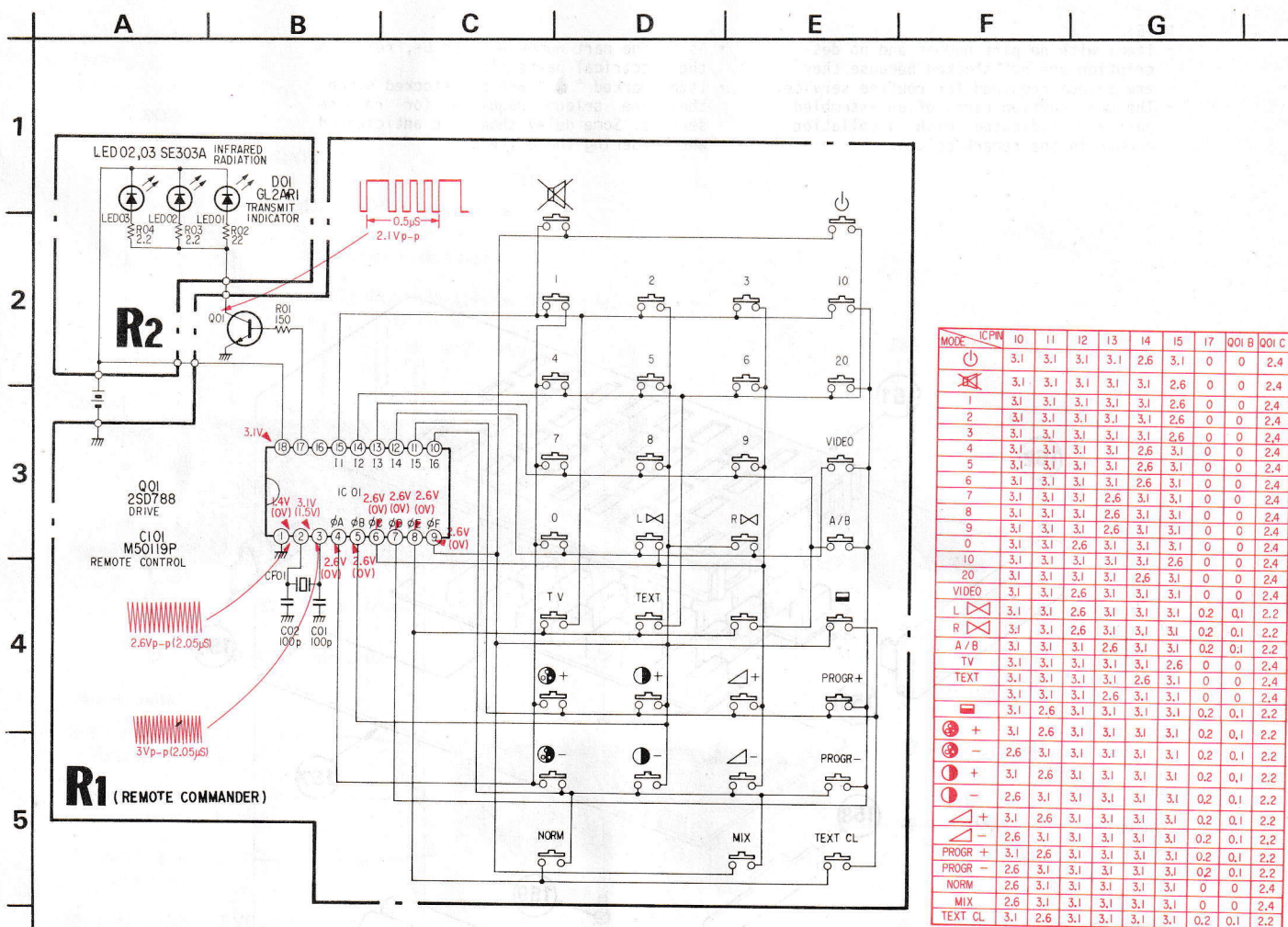


— R2 Board —



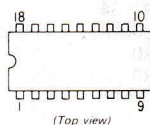
R1 R2

2. SCHEMATIC DIAGRAM



- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k: 1000 Ω , M: 1000 k Ω
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

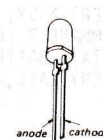
M50119P

2SD788
2SD789
2SC1475

2SD774



GL-2AR1

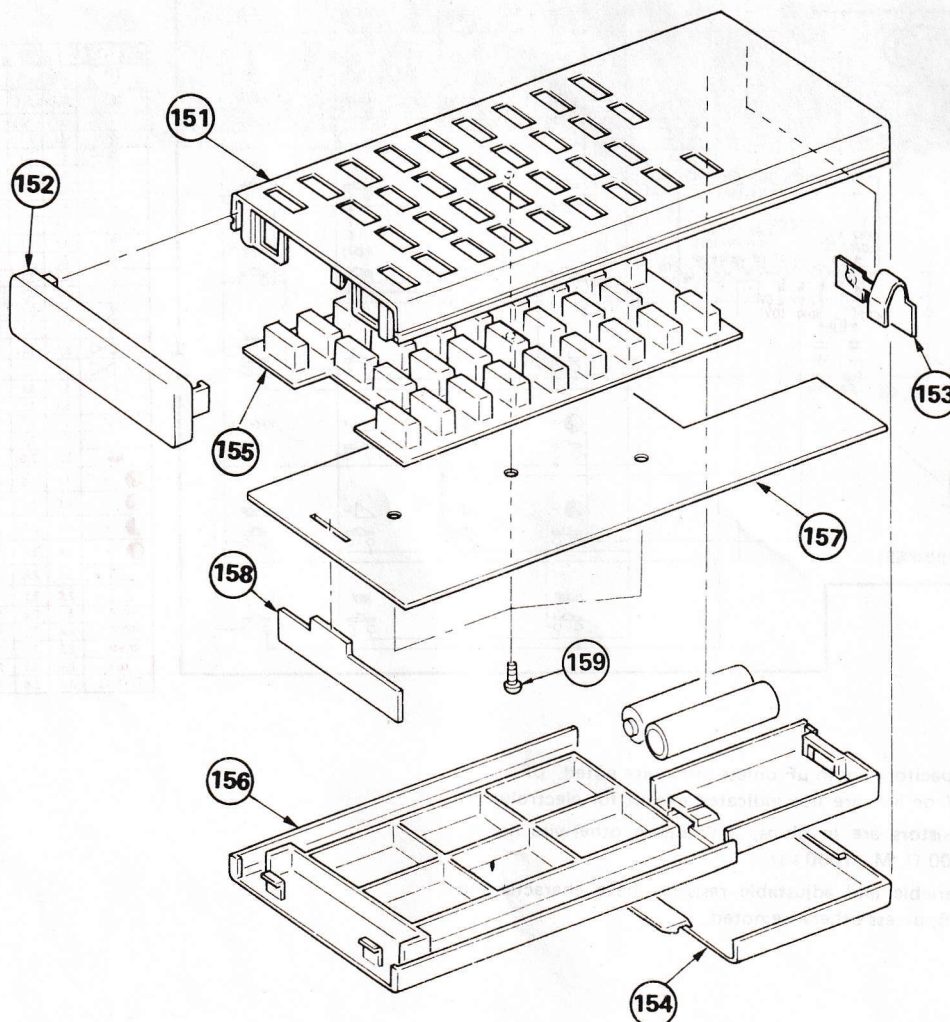
SE303AX
SE303AY

- Voltages and waveform are for when A/B button is pressed.
- Voltages in () are taken with button not pressed.

3 EXPLODED VIEW

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No	Description	Remark	No.	Part No	Description	Remark
151	X-4356-912-0	CASE (UPPER) ASSY, COMMANDER		155	4-356-348-11	KEY TOP, 34	
152	4-356-343-00	PANEL, COMMANDER (FRONT)		156	4-356-350-00	CASE (LOWER), COMMANDER	
153	4-356-344-00	TERMINAL (A), BATTERY		157	●:1-606-792-00	R1 BOARD	
154	4-356-347-00	LID, BATTERY CASE, COMMANDER		158	●:1-606-793-00	R2 BOARD	
				159	4-356-741-00	SCREW TAPPING (BIND 2 × 5)	

R1

R2

4. ELECTRICAL PARTS LIST

- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

- MF : μ F, PF : μ μ F

RESISTORS

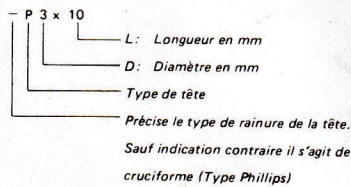
- All resistors are in ohms
- F : nonflammable

Ref.No	Part No	Description	Remark
●:1-606-792-00	R1 BOARD	*****	
4-356-345-00	TERMINAL (B), BATTERY		
4-356-346-00	TERMINAL (C), BATTERY		
<u>CAPACITOR</u>			
C01	1-161-271-00	CERAMIC 100PF	5% 50V
C02	1-161-271-00	CERAMIC 100PF	5% 50V
<u>FILTER</u>			
CF01	1-527-476-00	OSCILLATOR, CERAMIC	
<u>IC</u>			
IC01	8-759-600-07	IC M50119P	
<u>TRANSISTOR</u>			
Q01	8-729-177-43	TRANSISTOR 2SD774	

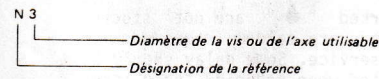
●:1-606-793-00	R2 BOARD	*****	
<u>DIODE</u>			
LET01	8-719-900-23	DIODE GL-2AR1	
LED02	8-719-107-02	DIODE SE303AY	
LED03	8-719-107-02	DIODE SE303AY	
<u>RESISTOR</u>			
R02	1-246-433-00	CARBON 22	5% 1/4W
R03	1-246-409-00	CARBON 2.2	5% 1/4W
R04	1-246-409-00	CARBON 2.2	5% 1/4W

NOMENCLATURE FERRONNERIE

Vis:



Erou, Rondelle, Circlips:



Désignation de la référence	Forme	Description	Remarques
VIS			
P		Vis à tête cylindrique large	Peut être remplacée par une vis à tête cylindrique (B).
PWH		Vis à tête cylindrique large et rondelle fixe.	Peut être remplacée par une vis à tête cylindrique (B) et une rondelle fixe.
PS PSP		Vis à tête cylindrique large et rondelle à ressort fixe.	Peut être remplacée par une vis à tête cylindrique (B) et une rondelle à ressort.
PSW PSPW		Vis à tête cylindrique large et rondelles plates et à ressort.	Peut être remplacée par une vis à tête cylindrique (B) et une rondelle plate plus une rondelle à ressort.
R		Vis à tête ronde	Peut être remplacée par une vis à tête cylindrique (B).
K		Vis à tête fraisée	
RK		Vis à tête fraisée bombée	
B		Vis à tête cylindrique	
T		Vis à tête ronde large	Peut être remplacée par une vis à tête cylindrique (B).
F		Vis à tête moulée plate	
RF		Vis à tête moulée	
BV		Vis à tête soudée	

Désignation de la référence	Forme	Description	Remarques
VIS AUTOTARODEUSES			
TA		Vis autotarodeuse	ex: TA, P 3 x 10
PTP		Vis autotarodeuse à tête cylindrique large.	Peut être remplacée par une vis autotarodeuse à tête cylindrique (TA, B).
PTPWH		Vis autotarodeuse à tête cylindrique large et rondelle fixe.	Peut être remplacée par une vis autotarodeuse à tête cylindrique (TA, B) et une rondelle plate.
PTTWH		Vis à tige filetée et tête cylindrique large avec rondelle fixe.	Peut être remplacée par une vis à tête cylindrique (B) et une rondelle plate.
VIS DE SERRAGE			
SC		Vis de serrage	
SC		Vis de serrage à douille hexagonale	ex: SC 2,6 x 4, douille hexagonale
ECROU			
N		Erou	
RONDELLES			
W		Rondelle plate	
SW		Rondelle à ressort	
LW		Rondelle éventail denture intérieure	ex: LW3, intérieure
LW		Rondelle éventail denture extérieure	ex: LW3, extérieure
CIRCLIPS			
E		Circlips	
G		Circlips à griffe	

Sony Corporation