

STK 5325

VS-6  
EG/EG-G/EA

# AKAI SERVICE MANUAL

20,566  
61700

## RTV servis Horvat

Kešinci, 31402 Semeljci

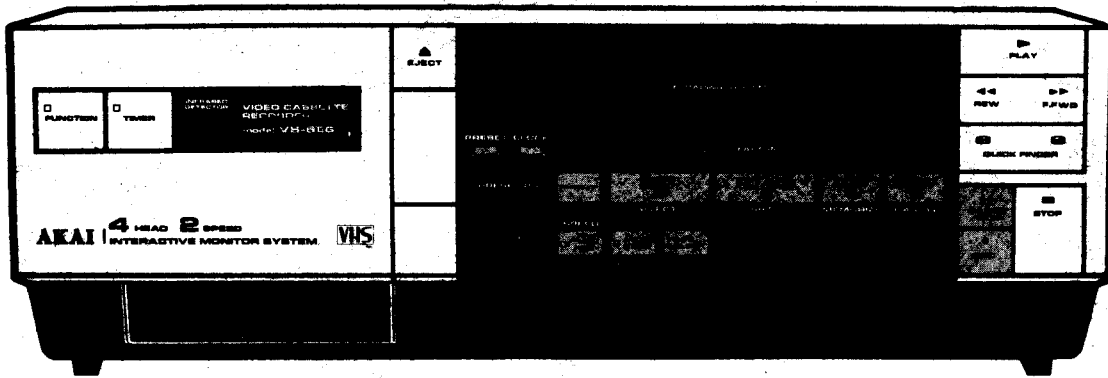
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Croatia

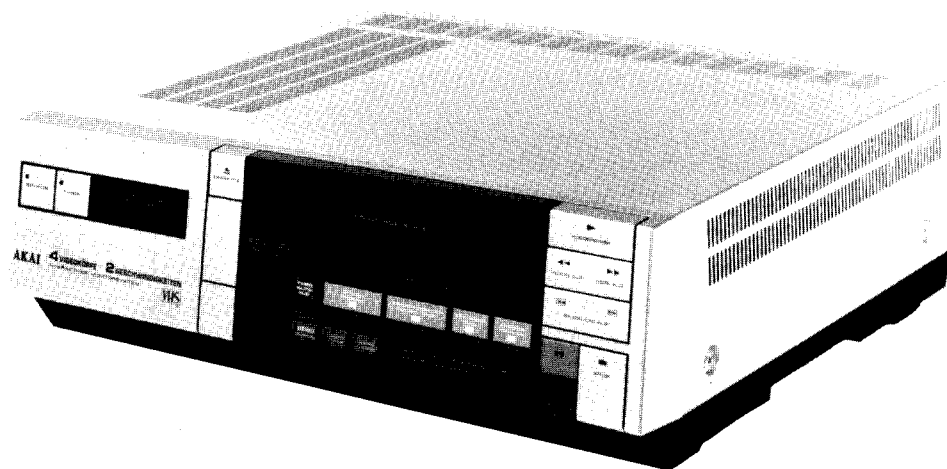


VIDEO CASSETTE RECORDER

MODEL **VS-6** EG/EG-G/EA/  
EA(Y1)/EK/EO/ES/EV

**ABBREVIATIONS FOR SERVICE MANUAL  
MODEL VS-6EG/EG-G/EO/EK/EA/EA(Y1)/EV/ES**

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
AC	Alternating Current	INS	INsert
ACC	Auto Color Control	INV	INVerter
A/C	Audio and Control	LED	Light Emitting Diode
ADJ	ADJust (ment)	LM	Loading Motor
AFC	Auto Frequency Control	LP	Long Play
AFT	Auto Fine Tuning	LPF	Low Pass Filter
AGC	Auto Gain Control	LSW	Loading SWitch
AH(P)	Audio Head (Play Back)	MI-COM	Micro COMputer
AH(R)	Audio Head (Record)	MM	Mono-stayble Multi
AL	ALl	MRS	Motor ReverSe
ALC	Auto Level Control	NON-LIN	NON-LINear
ANT	ANTenna	O MUTE	Output MUTE
APC	Automatic Phase Control	OSC	OSCillator
ASSY	ASSEMBLY	PAL	Phase Alternation Line
BAL	BALance	PB	Play Back
B/C	Buzz and Charactor	P-COM	Phase-COMparator
B DOWN	Break DOWN	PG	Pulse Generator
BGP	Burst Gate Pulse	PL, PLG	PLunger (PLunGer)
BLK	BLAcK or BLock	PRG	PRoGram
BM	Balanced Modulator	PWR	PoWeR
BPF	Band Pass Filter	Q	Quality factor
BS	Band Select	REC	RECORD
BU	Back Up	REF	REFerence
B/W	Black and White	REF-V	REFerence Vertical signal
CCIR	Comité Consultatif International des Radio Communications	REG	REGulator
CH (Ch.)	CHannel (Channel)	REV(REVW)	REView (REView)
CLK	CLock	REW	REWind
CLP	CLiP	RF	Radio Frequency
CM	Capstan Motor	RM	Reel Motor
CN	CoNnector	RM PWR	Reel Motor PoWeR
COMP	COMPARATOR	RSSW	Record Safety SWitch
Comp	Comparison	RST (RES)	ReSeT (RESet)
C or R	Cue or Review	S	Sensor, Shield
CSW	Cassette SWitch	S CLK	Serial CLock
CTL	ConTroL	SECAM	Séquentiel à Memoire
CUE	CUE	SEP (SEPA)	SEPARator (SEPARator)
CW	Carrier Wave	S & H	Sample and Hold
DAC	Digital to Analog Converter	SP	Standard Play
DC	Direct Current	SPD	SPeeD
DEMODO	DEMODulator	SRP	Supply Reel Pulse
DET	DETECT (DETECTOR)	SRV	SeRVo
DL	Delay Line	SW	SWitch
DM	Drum Motor	SW'NG	SWitchiNG
DOC	Drop Out Compensator	SWP	SWitching Pulse
EE	Electronic to Electronic	SYNC	SYNChronize
EF	Emitter Follower	TPZ (TRAPE)	TraPeZoid (TRAPEzoid)
EM	Eject Motor	TRK	TRAcKing
EMPHA	EMPHAsis	TRP	Take up Reel Pulse
ENV IN	ENVELOPE INput	T/U	Take Up
ESW	Eject SWitch	TV	TeleVision
EQ	EQUALizer	UHF	Ultra High Frequency
FE	Full track Erase	UNR	UNRegulated
FF	Flip-Flop or First Forward	V	Vertical
FG	Frequency Genelator	VCO	Voltage Controlled Oscillator
Fig.	Figure	VF	Voltage for Fine tuning
FM	Frequency Modulation	VHF	Very High Frequency
Fo	resonance Frequency	VHS	Video Home System
FREQ	FREQUENCY	VID	VIDeo
GND	GrouND	VIDEO-J	VIDEO Judge
H	Horizontal	VIF	Video Intermediate Frequency
HP	Horizontal (sync) Pulse	VJ	Video Judge
HPF	High Pass Filter	VM	Voltage for Memory
HT	HeaTer	VOW	Video On Word
IC	Integrated Circuit	VP	Vertical (sync) Pulse
IDL	IDLe (Voltage)	VT	Voltage for Tuning
		WHT	WHiTe



## VIDEO CASSETTE RECORDER

MODEL **VS-6** EG/EG-G/EA/  
EA(Y1)/EK/EO/ES/EV

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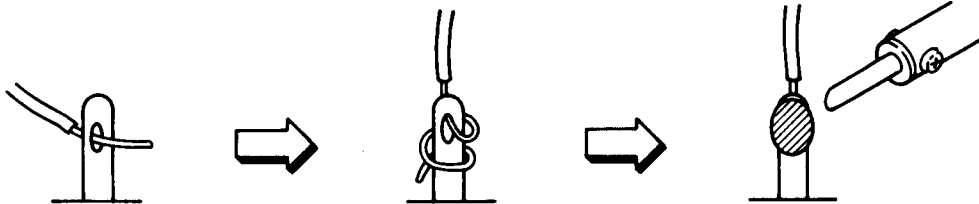
# SAFETY INSTRUCTIONS

## SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 Mohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for **C** or **A**, specified insulation resistance should be more than 2.2 Mohms (ground terminals, microphone jacks, headphone jacks, line-in-out jacks etc.)

## PRECAUTIONS DURING SERVICING

1. Parts identified by the  $\triangle$  symbol parts are critical for safety.  
Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.  
Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
  - 1) Wires covered with PVC tubing
  - 2) Double insulated wires
  - 3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
  - 1) Insulation Tape
  - 2) PVC tubing
  - 3) Spacers (Insulating Barriers)
  - 4) Insulation sheets for transistors
  - 5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

## VOLTAGE CONVERSION

Power requirements for electrical equipment differ from area to area.

The operation voltage of VS-6 is preset to 220V (VS-6EG/EG-G/EO/EV), 240V (VS-6EA/EA(Y1)/EK) or 250V (VS-6ES).

Before connecting, check that the AC INPUT selector on the rear panel is set to the voltage for your area:

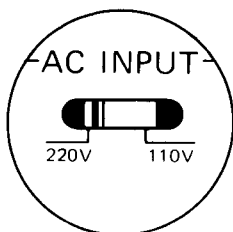
220V, 50Hz for Europe except UK

240V, 50Hz for UK and Australia

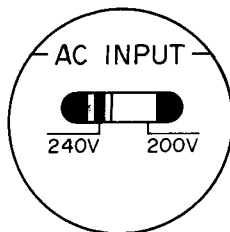
110V, 200V, 220V, 240V or 250V, 50 Hz or 60Hz for other countries. (If in doubt, consult a qualified electrician.)

If the AC INPUT is not set for your area:

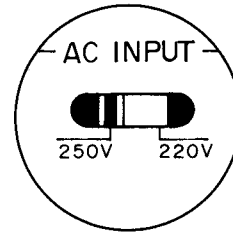
- 1) Confirm that the POWER Switch on the rear panel is set to OFF.
- 2) Confirm that the POWER Cord is disconnected.
- 3) Move the AC INPUT selector on the rear panel with a screwdriver so that the marker is above the voltage for your area.



VS-6EG/EG-G/EO/EV



VS-6EA/EA(Y1)/EK



VS-6ES

## CYCLE CONVERSION

With DC motors, Cycle conversion is not necessary.

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SECTION 1

**OPERATING MANUAL**

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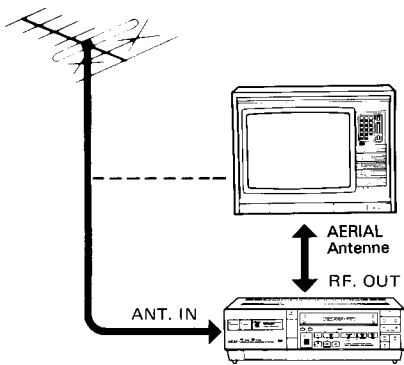
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# Let's make the right connections Etablissement des connexions correctes

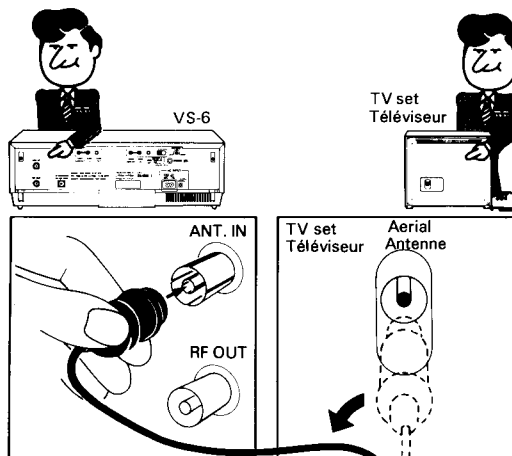
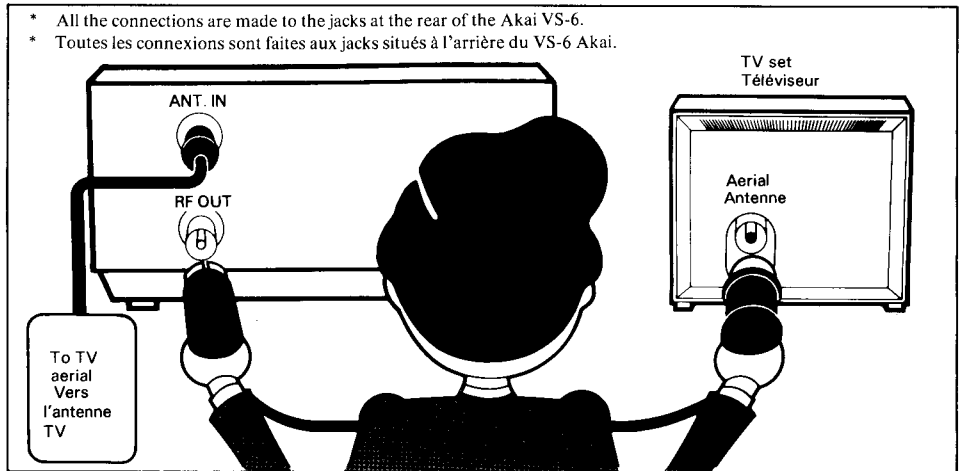
There is a tuner inside your Akai VS-6 for station selection. This tuner is just like the tuner inside your TV. For this reason, your TV antenna must be connected to the Akai VS-6.

Un tuner est incorporé à l'intérieur du VS-6 Akai pour la sélection des stations. Ce tuner est identique à celui à l'intérieur de votre téléviseur. Pour cette raison, votre antenne de télévision doit être connectée au VS-6 Akai.



**1**

Unplug the TV antenna cable from your TV and plug it into the antenna input jack (ANT. IN) of the Akai VS-6.



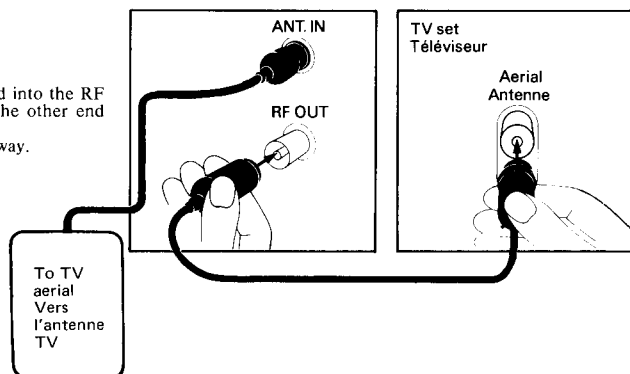
**1**

Débranchez le câble d'antenne de votre téléviseur et branchez-le au jack d'entrée d'antenne (ANT. IN) du VS-6 Akai.

**2**

Plug one end of the aerial cable supplied into the RF OUT jack of the Akai VS-6 and plug the other end into the aerial jack of your TV.

\* The cable can only be connected one way.



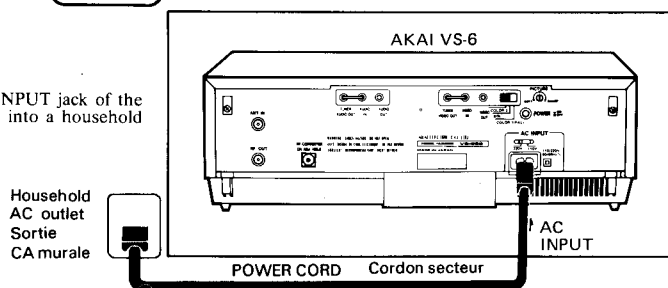
**2**

Branchez une extrémité du câble d'antenne fourni sur le jack sortie RF (RF OUT) du VS-6 Akai et branchez l'autre extrémité au jack d'antenne de votre téléviseur.

\* Le câble ne peut être connecté que d'une seule façon.

**3**

Plug the power cord into the AC INPUT jack of the Akai VS-6 and plug the other end into a household AC outlet.



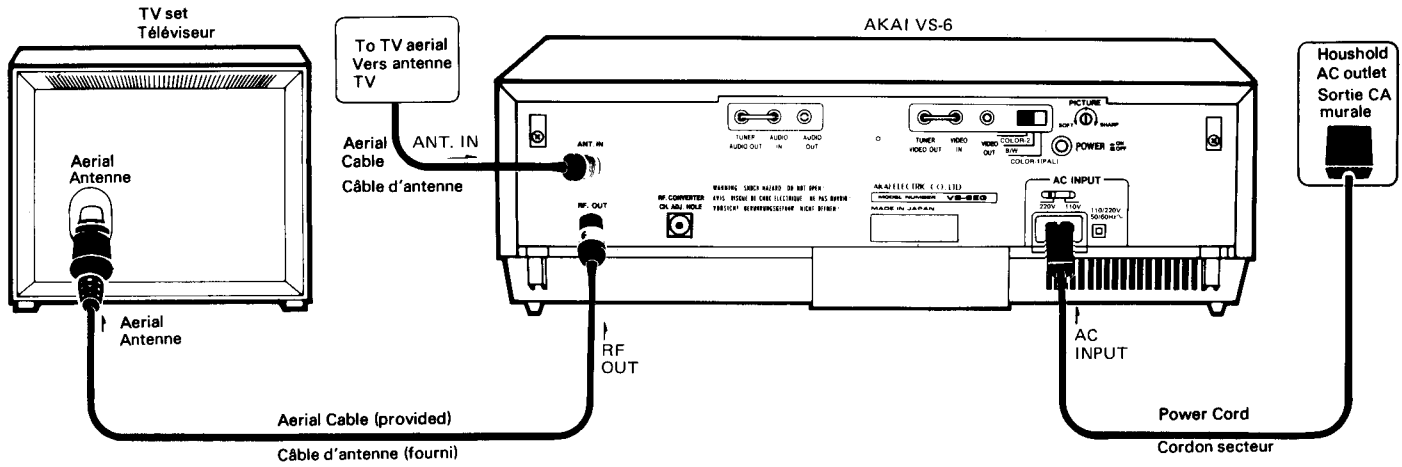
**3**

Branchez le cordon secteur sur le jack d'entrée CA (AC INPUT) du VS-6 Akai et branchez l'autre extrémité sur une sortie CA murale.



# Let's check the rear panel of the Akai VS-6 before operating

## Vérifions le panneau arrière du VS-6 Akai avant de l'utiliser



### Using a video camera

\* To record with a video camera, connect the video camera to the VIDEO IN and AUDIO IN jacks via a camera adaptor.

### To connect to another video cassette recorder

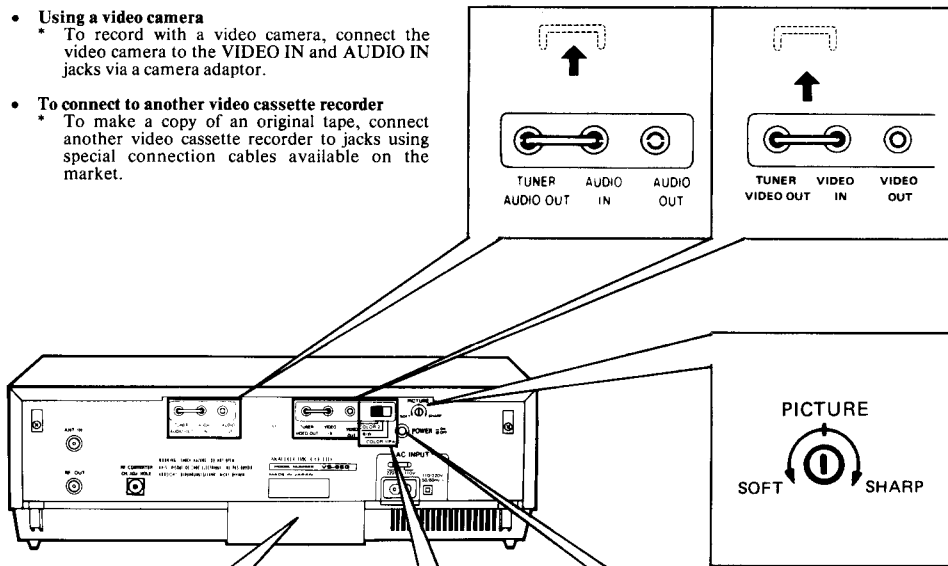
\* To make a copy of an original tape, connect another video cassette recorder to jacks using special connection cables available on the market.

### Utilisation d'une caméra vidéo

\* Pour enregistrer avec une caméra vidéo, connectez la caméra vidéo aux jacks d'entrée vidéo (VIDEO IN) et audio (AUDIO IN) par un adaptateur de caméra.

### Pour la connexion à un autre magnéscope à cassettes

\* Pour faire une copie d'une bande originale, connectez un autre magnéscope aux jacks en utilisant des câbles de connexion spéciaux en vente dans le commerce.



### To adjust the picture quality

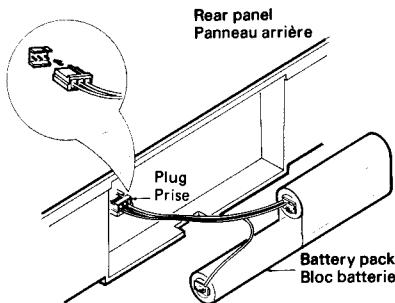
Use the PICTURE control on the rear panel to adjust the picture quality (sharpness) to suit your taste. The control should normally be set to its centre position.

### Pour ajuster la qualité de l'image

Utilisez la commande image (PICTURE) située sur le panneau arrière pour ajuster la qualité de l'image (contraste) selon vos goûts. Cette commande doit normalement être réglée en position centrale de défilement.

### How to load the rechargeable battery pack

1. Remove the battery compartment cover on the rear panel of the Akai VS-6.
2. Connect the plug of the rechargeable battery pack to the socket of the Akai VS-6.
3. Load the rechargeable battery pack into the battery compartment.
4. Replace the battery compartment cover.



### Comment installer le bloc batterie rechargeable

1. Retirez le couvercle du compartiment batterie situé sur le panneau arrière du VS-6 Akai.
2. Connectez la prise du bloc batterie rechargeable à la douille du VS-6 Akai.
3. Installez le bloc batterie rechargeable dans le compartiment de batterie.
4. Remplacez le couvercle du compartiment de batterie.

COLOR-2  
B/W  
COLOR-1(PAL)

PICTURE  
SOFT SHARP

POWER ON OFF

### Video mode selector

The video mode selector is used to select the type of signal to be recorded or played back. This selector should normally be set to COLOR-1.

### Sélecteur de mode vidéo

Le sélecteur de mode vidéo est utilisé pour choisir le type de signal à enregistrer ou à reproduire. Ce sélecteur doit normalement être réglé sur COLOR-1.

COLOR-2	Set to this position for Middle East SECAM (system B/G) color system recording or playback.
B/W	Set to this position for CCIR standard monochrome system recording or playback.
COLOR-1 (PAL)	Set to this position for PAL color system recording or playback.

COLOR-2	Réglez-le sur cette position pour un enregistrement ou une reproduction avec le système couleur SECAM Moyen-Orient (système B/G).
B/W	Réglez-le sur cette position pour un enregistrement ou une reproduction avec le système monochrome standard CCIR.
COLOR-1 (PAL)	Réglez-le sur cette position pour un enregistrement ou une reproduction avec le système couleur PAL.



# How to turn on and off the Akai VS-6

## Comment mettre sous tension et hors circuit le VS-6 Akai



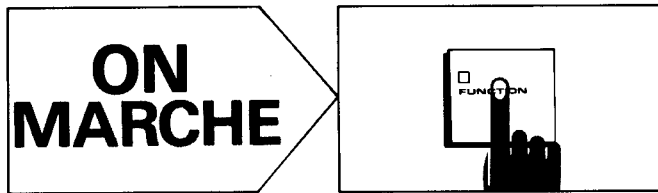
<p>AKAI VS-6</p> <p><b>Check before starting</b> <b>Vérifiez avant de commencer</b></p>	<p>1 Power cord is connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.</p>
	<p>2 POWER switch is set to ON. Le commutateur d'alimentation (POWER) est sous tension (ON).</p>

Depress the FUNCTION button to turn on the Akai VS-6.

- \* Its indicator will light.

Appuyez sur la touche de fonction (FUNCTION) pour mettre sous tension le VS-6 Akai.

- \* Son indicateur s'allumera.



### Caution

Moving the video tape recorder from a cold place to a warm place, or using it in a humid place will cause dew condensation on the drum and the video heads inside the unit. If recording or playback is carried out in this state, the heads may become dirty and the tape may be damaged. This could also result in malfunction of the machine itself.

To prevent this from occurring, the rear panel main power switch must be turned on for about one hour before starting recording or playback of a video cassette tape. This is particularly important when a video cassette is inserted for the first time after purchase of the video cassette recorder.

## On the remote control unit

### Sur l'unité de télécommande

#### Wireless Remote Control Unit RC-T4

The operation buttons of the wireless remote control unit RC-T4 are used in the same way as the operation buttons on the front panel of the VS-6.

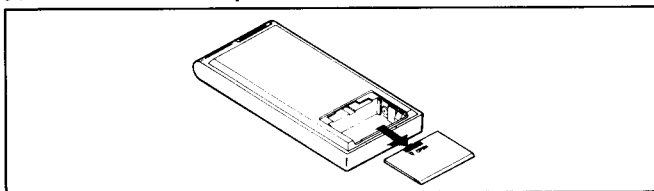
The only operations not present on the remote control are EJECT, CLOCK, PRESET, TAPE SELECT and SPEED control.

#### To operative:

Simply load the batteries and aim the RC-T4 to the infrared detector located on the front panel of the VS-6. Then press the FUNCTION button on the remote control and begin.

#### How to load the batteries into the Akai RC-T4

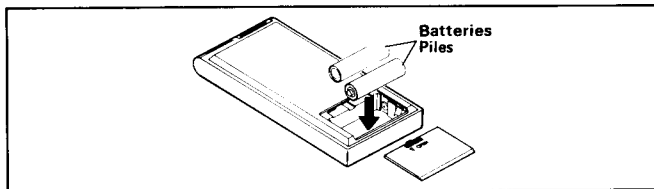
#### Comment installer les piles dans la RC-T4 Akai



# 1

Remove the battery compartment cover on the back of the RC-T4.

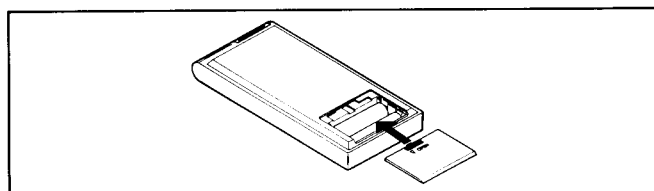
Retirez le couvercle du compartiment des piles du dos de la RC-T4.



# 2

Insert two AA, R6 or equivalent batteries into the battery compartment being careful to place their positive and negative terminals correctly.

Installez deux piles AA, R6 ou équivalentes dans le compartiment des piles en respectant les polarités positive et négative.



# 3

Replace the battery compartment cover.

Remplacez le couvercle du compartiment des piles.

#### NOTE:

Always replace both batteries at the same time.

#### REMARQUE:

Depress the FUNCTION button again to turn off the Akai VS-6.

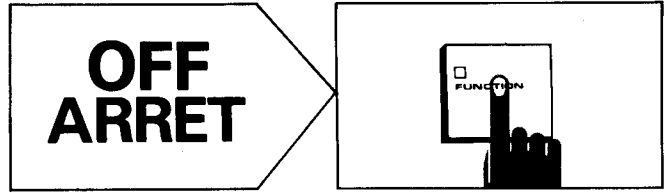
- \* Its indicator will go off.

- \* The timer inside the Akai VS-6 will continue to function.

Appuyez à nouveau sur la touche de fonction (FUNCTION) pour mettre hors circuit le VS-6 Akai.

- \* Son indicateur s'éteindra.

- \* La minuterie à l'intérieur du VS-6 Akai continuera à fonctionner.

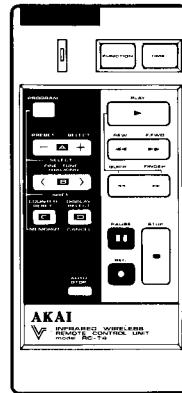


### Précautions à prendre

Le fait de déplacer le magnétoscope d'un endroit froid à un endroit chaud, ou de l'utiliser dans un endroit humide fera se condenser de l'humidité sur le tambour et les têtes vidéo à l'intérieur de l'unité. Si un enregistrement ou une reproduction est effectué à ce moment-là, les têtes peuvent se salir et la bande peut être endommagée. Cela pourrait également provoquer un mauvais fonctionnement de l'unité elle-même.

Afin d'éviter ces problèmes, le commutateur principal d'alimentation du panneau arrière doit être mis sous tension environ une heure avant de commencer l'enregistrement ou la reproduction d'une bande cassette vidéo.

Ceci est tout particulièrement important lorsqu'une cassette vidéo est insérée pour la première fois, après l'achat de l'appareil.



#### Unité de télécommande sans fil RC-T4

Les touches de fonctionnement de la RC-T4 Akai sont les mêmes, à l'exception des touches éjection (EJECT ▲), horloge (CLOCK), sélection de bande (TAPE SELECT), vitesse (SPEED) et pré-réglage (PRESET), que celles du VS-6 Akai, et elles s'utilisent de la même manière.

#### Utilisation:

Chargez simplement les piles et pointez la RC-T4 vers le détecteur infrarouge du VS-6 Akai.

Appuyez ensuite sur la touche de fonction (FUNCTION) de l'unité de télécommande.





# Let's set your TV to the video channel for the Akai VS-6

## Réglage du téléviseur sur le canal vidéo pour le VS-6 Akai

<p><b>AKAI VS-6</b></p> <p><b>Check before starting</b> <b>Vérifiez avant de commencer</b></p>	<p>1 Power cord is connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.</p>
	<p>2 POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).</p>
	<p>3 All the components are properly connected. Tous les éléments sont correctement connectés.</p>

<p><b>TV SET TELEVISEUR</b></p>	<p>1 Turned on. Sous tension.</p>
	<p>2 Connected properly. Correctement connecté.</p>

The Akai VS-6 sends out a signal similar to that transmitted by a TV station. By tuning your TV to receive this signal you can select programs from the Akai VS-6 as you would from the TV tuner.

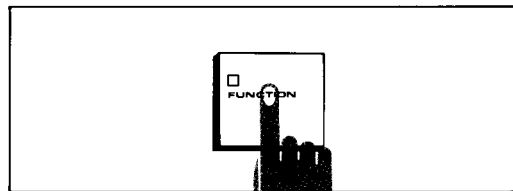
Le VS-6 Akai envoie un signal similaire à celui transmis par une station de télévision. En accordant votre téléviseur pour qu'il reçoive ce signal, vous pouvez choisir les programmes du VS-6 Akai de la même manière que vous choisissez une émission avec le tuner TV.

**NOTE:**  
This operation should be done with the TV's Automatic Frequency Control (AFC) or Automatic Fine Tuning (AFT) switch turned off. Turn it on after completing this operation.

**REMARQUE:**  
Cette opération doit être effectuée le commutateur de réglage automatique de fréquence (AFC) ou d'accord fin automatique (AFT) du téléviseur étant hors circuit. Remettez-le sous tension après avoir terminé cette opération.

# 1

Depress the FUNCTION button to send a signal to the TV.  
**This signal is to display time information.**



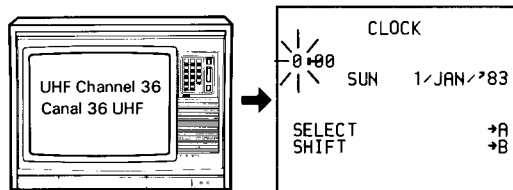
# 1

Appuyez sur la touche de fonction (FUNCTION) pour envoyer un signal vers le téléviseur.  
**Ce signal est destiné à afficher les informations de temps.**

# 2

To receive this signal, adjust one of the channel selectors so that it is set to:

- UHF channel 36.



# 2

Pour recevoir ce signal, réglez un des sélecteurs de canal afin qu'il soit réglé sur:

- Canal 36 UHF

**NOTE:**

- If the display appears clearly on the TV screen, the TV is set to the video channel for the Akai VS-6.
- \* If the display is not clear, fine tune the display with the TV's tuning control.

**REMARQUE:**

- Si l'affichage apparaît clairement sur l'écran de télévision, le téléviseur est réglé sur le canal vidéo pour le VS-6 Akai.
- \* Si l'affichage n'est pas clair, syntonisez finement l'affichage avec la commande de syntonisation du téléviseur.

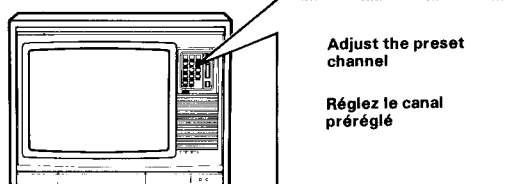
**Whenever you want to watch programs from the Akai VS-6, set your TV to the video channel you have just set**

**Lorsque vous voulez regarder des programmes du VS-6 Akai, réglez votre téléviseur sur le canal vidéo.**

**Should the display and a TV program overlap**  
UHF channel 36 is being used for broadcasting by a TV station in your area. In that case, your TV must be set to an unused channel.

**Au cas où l'affichage et une émission de télévision se chevauchent.**  
Le canal 36 UHF est utilisé pour l'émission par une station de télévision dans votre région. Dans ce cas, réglez votre téléviseur sur un canal inutilisé.

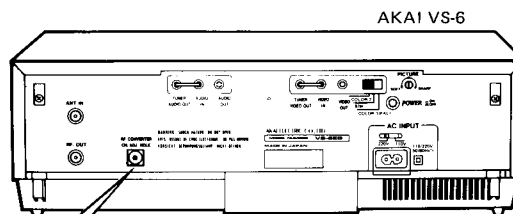
**TV**  
If channel 36 is being used for broadcasts, adjust the TV channel selector a little at a time until the TV screen goes blank. (Set it towards a higher or lower station.)



**Téléviseur**  
Si le canal 36 est utilisé pour l'émission, ajustez très lentement le sélecteur de canal du téléviseur jusqu'à ce que l'écran de télévision devienne vide. (Réglez-le vers haut ou bas).

**Akai VS-6**  
Adjust the RF converter a little at a time with a screwdriver until the display appears clearly on the TV screen.

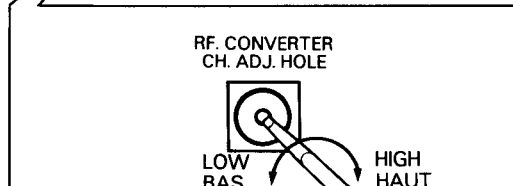
\* If the channel selector was set higher, set the RF converter towards high. The same thing applies if the channel selector was set lower.



**VS-6 Akai**  
Ajustez très lentement le convertisseur RF avec un tournevis jusqu'à ce que l'affichage apparaisse clairement sur l'écran de télévision.

\* Si le sélecteur de canal était réglé vers haut, réglez le convertisseur RF vers haut. Ceci s'applique également si le sélecteur de canal était réglé vers bas.

**NOTE:**  
Video channel setting range is from UHF channel 30 to 39.



**REMARQUE:**  
La plage de réglage du canal vidéo est de canal UHF 30 à 39.



# Let's set the timer to the actual time

## Réglage de la minuterie à l'heure réelle

There is a 24 hour digital timer inside the Akai VS-6. To set this time to the actual time, please follow this procedure, using as an example: 12:30 MON 28/MAR/'83.

Il y a une minuterie numérique par 24 heures à l'intérieur du VS-6 Akai. Pour régler cette minuterie à l'heure réelle, effectuez les opérations suivantes, pour par exemple: 12:30 lundi 28 mars 1983 (MON/28/MAR/'83).



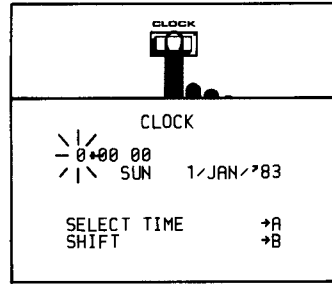
### 1

Depress the **CLOCK** button to display the information for setting the time to the actual time on your TV screen.

\* Skip this step if the information is already displayed on the TV screen.

Appuyez sur la touche horloge (**CLOCK**) pour afficher les informations pour le réglage de la minuterie à l'heure réelle sur votre écran de télévision.

\* Sautez cette étape si les informations sont déjà affichées sur l'écran de télévision.



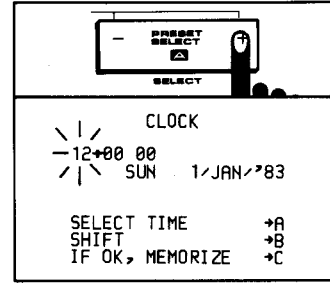
### 2 HOURS HEURES

To follow the instruction "SELECT TIME → A", depress the **-** button to select the correct hour.

0, 1, 2, ..... up to 23

Suivant l'instruction "SELECT TIME → A", appuyez sur la touche **-** pour sélectionner les heures correctes.

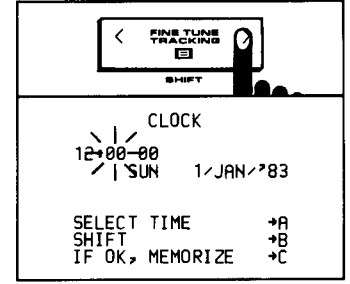
0, 1, 2, ..... jusqu'à 23



### 3

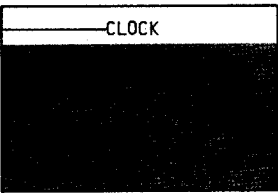
To follow the instruction "SHIFT → B", depress the **>** button to shift to the next item to be set: minutes.

Suivant l'instruction "SHIFT → B", appuyez sur la touche **>** pour passer à l'élément suivant à régler: les minutes.



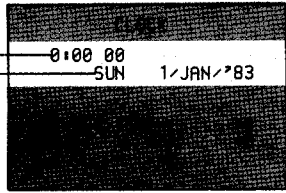
This tells you that this display is for setting the timer to the actual time.

Ceci vous indique que cet affichage est pour le réglage de la minuterie à l'heure réelle.



This tells you the time in 24 hour notation.

Ceci vous indique que l'indication de l'heure est par 24 heures.

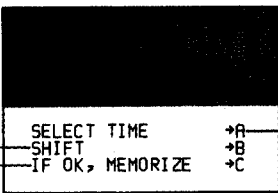


The left indication tells you the day of the week and the right indications tell you the date/month/year.

L'indication de gauche vous donne le jour de la semaine et les indications de droite vous donnent la date/le mois/l'année.

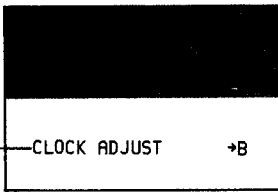
This is instructing you to depress the **<** button to choose the item to be set. The chosen item will flash on and off.

Ceci vous dit d'appuyer sur la touche **<** pour choisir l'élément à régler. L'élément choisi clignotera.



This is instructing you to depress the **>** button when you are satisfied with the indications you have set.

Ceci vous dit d'appuyer sur la touche **>** lorsque vous êtes satisfait des indications que vous avez réglées.

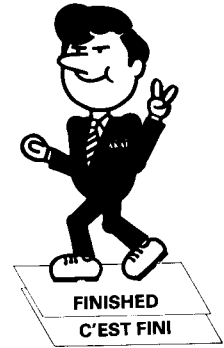


This is instructing you to depress the **<** button when you want to reset the actual time and date.

Ceci vous dit d'appuyer sur la touche **<** lorsque vous voulez réinitialiser l'heure réelle et la date.

### On the Clock set display

#### Sur l'affichage de réglage horloge



The full display is maintained for approximately 3 seconds. To recall the time see page 11.

L'affichage entier est maintenu pendant approximativement 3 secondes. Pour rappeler l'heure, reportez-vous page 11.

### 13 MEMORIZE MEMORISATION

You have now correctly set the timer to the actual time.

To follow the instruction "IF OK, MEMORIZE → C", depress the **>** button to memorize the data.

\* The timer will start keeping time.

Vous avez maintenant réglé correctement la minuterie à l'heure réelle. Suivant l'instruction "IF OK, MEMORIZE → C", appuyez sur la touche **>** pour mémoriser les données.

\* La minuterie commencera à fonctionner.

### On the **-** and **<** buttons

#### **-** button:

The **-** button is used to select the indication for the flashing item chosen by the **<** button. ⊕ side: Depress this side when you want to increase the indication. ⊖ side: Depress this side when you want to decrease the indication. Holding down either side will change the indication continuously.

#### **<** button:

The **<** button is used to choose the item you want to set. The chosen item will flash on and off. > side: Depress this side when you want to set an item which is after the item that is now flashing. < side: Depress this side when you want to set an item which is before the item that is now flashing.

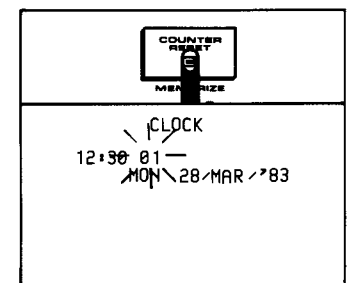
### Sur les touches **-** et **<**

#### Touche **-**:

La touche **-** est utilisée pour sélectionner l'indication pour l'élément clignotant choisi par la touche **<**. Côté ⊕: Appuyez sur ce côté lorsque vous voulez augmenter l'indication. Côté ⊖: Appuyez sur ce côté lorsque vous voulez diminuer l'indication. Le fait de maintenir un côté enclenché modifiera continuellement l'indication.

#### Touche **<**:

La touche **<** est utilisée pour choisir l'élément que vous voulez régler. L'élément choisi clignotera. Côté >: Appuyez sur ce côté lorsque vous voulez régler un élément qui est en train de clignoter. Côté <: Appuyez sur ce côté lorsque vous



**AKAI VS-6**

1	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
2	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
3	All the components are properly connected. Tous les éléments sont correctement connectés.
4	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.

**Check before starting**  
**Vérifiez avant de commencer**

**TV SET TELEVISEUR**

1	Turned on. Sous tension.
2	Properly connected. Correctement connecté.
3	Set to the video channel. Réglé sur le canal vidéo.

## 4 MINUTES

To follow the instruction "SELECT TIME → A", depress the button to select the correct minutes.

00, 01, 02, ..... up to 59

Suivant l'instruction "SELECT TIME → A", appuyez sur la touche pour sélectionner les minutes correctes.

00, 01, 02, ..... jusqu'à 59

CLOCK  
12:30-00  
SUN 1/JAN/'83

SELECT TIME →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 5

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: day of the week.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: le jour de la semaine.

CLOCK  
12:30 00  
-SUN- 1/JAN/'83

SELECT DAY →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 6 DAY OF WEEK

To follow the instruction "SELECT DAY → A", depress the button to select the correct day of the week.

SUN, MON, TUE, WED, THU, FRI or SAT

Suivant l'instruction "SELECT DAY → A", appuyez sur la touche pour sélectionner le jour correct de la semaine.

DIM, LUN, MAR, MER, JEU, VEN ou SAM

CLOCK  
12:30 00  
-MON- 1/JAN/'83

SELECT DAY →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 7

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: date of the month.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: la date du mois.

CLOCK  
12:30 00 1  
MON - 1/JAN/'83

SELECT DATE →A  
SHIFT →B  
IF OK, MEMORIZE →C

CLOCK  
12:00 00  
SUN 1/JAN/'83

SELECT TIME →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 8 DAY OF MONTH

To follow the instruction "SELECT DATE → A", depress the button to select the correct date.

1, 2, 3, ..... up to 31

Suivant l'instruction "SELECT DATE → A", appuyez sur la touche pour sélectionner la date correcte.

1, 2, 3, ..... jusqu'à 31

CLOCK  
12:30 00 1  
MON-28/JAN/'83

SELECT DATE →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 12 YEAR

To follow the instruction "SELECT YEAR → A", depress the button to select the correct year.

83, 84, 85 ..... up to 98

Suivant l'instruction "SELECT YEAR → A", appuyez sur la touche pour sélectionner l'année correcte.

83, 84, 85, ..... jusqu'à 98

CLOCK  
12:30 00  
MON 28/MAR/'83

SELECT YEAR →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 11

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: year.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: l'année.

CLOCK  
12:30 00  
MON 28/MAR/'83

SELECT YEAR →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 10 MONTH

To follow the instruction "SELECT MONTH → A", depress the button to select the correct month.

JAN, FEB, MAR, ..... up to DEC.

Suivant l'instruction "SELECT MONTH → A", appuyez sur la touche pour sélectionner le mois correct.

JAN, FEV, MAR ..... ou DEC.

CLOCK  
12:30 00  
MON 28/MAR/'83

SELECT MONTH →A  
SHIFT →B  
IF OK, MEMORIZE →C

## 9

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: month.

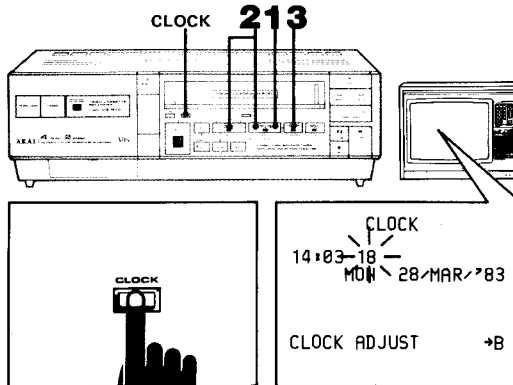
Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: le mois.

CLOCK  
12:30 00  
MON 28/JAN/'83

SELECT MONTH →A  
SHIFT →B  
IF OK, MEMORIZE →C

## If you want to confirm the actual time and date

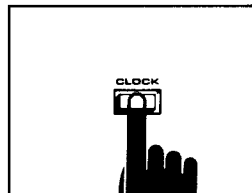
Depress the CLOCK button.  
The information illustrated will be displayed on your TV screen.



## Pour vérifier l'heure réelle et la date

Appuyez sur la touche horloge (CLOCK).  
Les informations illustrées seront affichées sur votre écran de télévision.

To remove the information from your TV screen, depress the CLOCK button again.



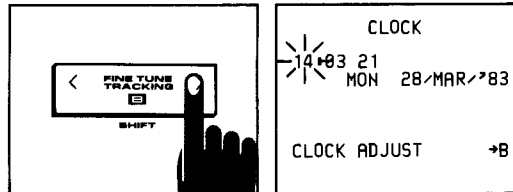
Appuyez à nouveau sur la touche horloge (CLOCK) pour annuler les informations affichées sur l'écran de télévision.

## If you want to reset the actual time and date

As an example, we will change the date from the 28th to the 30th of March.

# 1

- Depress the CLOCK button to display the information for resetting the timer to the actual time.
- To follow the instruction "CLOCK ADJUST → B", depress the <◻> button to display the information for setting the timer to the actual time.



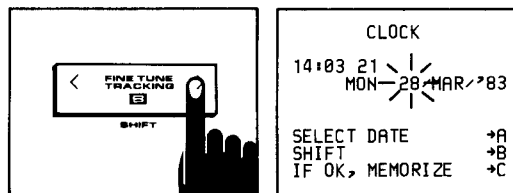
# 1

- Appuyez sur la touche horloge (CLOCK) pour afficher les informations pour la réinitialisation de la minuterie à l'heure réelle.
- Suivant l'instruction "CLOCK ADJUST → B", appuyez sur la touche <◻> pour afficher les informations pour le réglage de la minuterie à l'heure réelle.

# 2

To follow the instruction "SHIFT → B", depress the <◻> button again and again until the item you want to reset flashes on and off. Then to follow the instruction "SELECT TIME/ DAY/ DATE/ MONTH/ YEAR → A", depress the -◻+ button to reset the item.

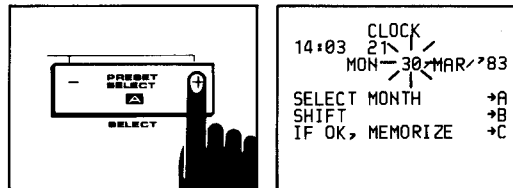
Reset other items in the same manner. After you have reset all incorrect items, go to the next step.



# 2

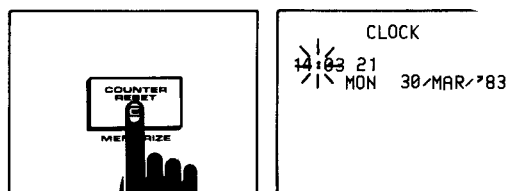
Suivant l'instruction "SHIFT → B", appuyez sur la touche <◻> de façon répétée jusqu'à ce que l'élément que vous voulez régler clignote. Puis, suivant l'instruction "SELECT TIME/ DAY/ DATE/ MONTH/ YEAR → A", appuyez sur la touche -◻+ pour réinitialiser l'élément.

Réinitialisez les autres éléments de la même manière. Après avoir réinitialisé tous les éléments, passez à l'étape suivante.



# 3

Depress the ◻ button to memorize the new data.



# 3

Appuyez sur la touche ◻ pour mémoriser les nouvelles données.

**NOTE:**  
During the procedure for setting the timer to the actual time (previous page), any item can be reset by using the <◻> and -◻+ buttons in the same manner.

**REMARQUE:**  
Pendant le procédé de réglage de la minuterie à l'heure réelle (page précédente), n'importe quel élément peut être réinitialisé en utilisant les touches <◻> et -◻+ de la même manière.



# Presetting the Akai VS-6 with TV stations for recording TV programs

## Préréglage du VS-6 Akai avec des stations de télévision pour l'enregistrement d'émissions

<p><b>AKAI VS-6</b></p> <p><b>Check before starting</b> <b>Vérifiez avant de commencer</b></p>	1	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
	2	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
	3	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.
	4	All the components are properly connected. Tous les éléments sont correctement connectés.
	5	Video mode selector is set properly. Le sélecteur de mode vidéo est correctement réglé.

<p><b>TV SET TELEVISEUR</b></p>	1	Turned on. Sous tension.
	2	Properly connected. Correctement connecté.
	3	Set to the video channel. Réglé sur le canal vidéo.

The Akai VS-6 must be tuned to all the locally available TV stations. We call this procedure "presetting".

VS-6EG: Up to 8 TV stations can be preset.  
VS-6EO: Up to 12 TV stations can be preset.

There is an automatic station search system inside the Akai VS-6 which searches for and tunes in TV stations. We call this searching for and tuning in of TV stations "station search".

Le VS-6 Akai doit être syntonisé pour toutes les stations de télévision disponibles localement. Nous appelons cette opération "préréglage".

VS-6EG: Jusqu'à 8 stations de télévision peuvent être préréglées.  
VS-6EO: Jusqu'à 12 stations de télévision peuvent être préréglées.

Il y a un système automatique de recherche de station à l'intérieur du VS-6 Akai qui recherche et syntonise les stations de télévision. Nous appelons cette recherche et syntonisation des stations de télévision "recherche de stations".

### On the preset station displays Sur les affichages de station préréglée

This tells you that this display is for presetting the Akai VS-6 with TV stations.

Ceci vous dit que cet affichage est pour le préréglage du VS-6 Akai avec des stations de télévision.

"PS" stands for "preset station". The numeral beside the "PS" is the preset station number.  
When "EMPTY" is displayed as well, it means that the PS number is not memorized with a station.

"PS" représente "station préréglée". Le nombre à côté de "PS" est le numéro de station préréglée.  
Lorsque "EMPTY" est également affiché, cela signifie que le numéro PS n'est pas mémorisé avec une station.

This is instructing you to depress the button to select the PS number.

Ceci vous dit d'appuyer sur la touche pour sélectionner le numéro PS.

This is instructing you to depress the button to start searching for a station.

Ceci vous dit d'appuyer sur la touche pour commencer la recherche de stations.

This is instructing you to depress the button to cancel the preset TV station.

Ceci vous dit d'appuyer sur la touche pour annuler la station de télévision préréglée.

**NOTE:**  
The indication on the Preset (PS) Channel Number display will not change during preset operation.

The indication will not change until all preset stations have been preset and the button is depressed.

**PRESET STATION**  
PS 1 EMPTY  
SELECT PS NO. →A  
SEARCH FOR STATION →B

**STATION SEARCH**  
PS 1 EMPTY  
UHF X.....  
→

**STATION FOUND**  
PS 1 EMPTY  
UHF ...X.....  
SELECT PS NO. →A  
IF OK, MEMORIZE →C  
CONTINUE →B

**PRESET STATION**  
PS 4  
SELECT PS NO. →A  
SEARCH FOR STATION →B  
CANCEL PS →D

This tells you that station search is in progress.  
Ceci vous dit que la recherche de station est en cours.

This tells you that UHF TV stations are being searched. During station search, the "X" will move.  
Ceci vous dit que les stations de télévision UHF sont en train d'être recherchées. Le "X" se déplace pendant la recherche de station.

This tells you that a TV station has been found (in other words, turned in) and station search has stopped.  
Ceci vous indique qu'une station de télévision a été trouvée (en d'autres mots, syntonisée) et que la recherche de stations s'est arrêtée.

This is instructing you to depress the button to memorize the TV station.  
Ceci vous dit d'appuyer sur la touche pour mémoriser la station de télévision.

This is instructing you to depress the if you want to continue searching for TV stations.  
Ceci vous dit d'appuyer sur la touche si vous voulez continuer la recherche de stations de télévision.

**RTV servis Horvat**

Kešinci, 31402 Semeljci

031-856-139

031-856-637

098-788-319

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Croatia

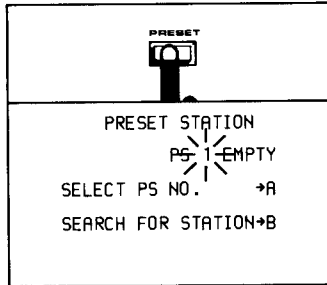
**REMARQUE:**

L'indication sur l'affichage du numéro de station préréglée (PS) ne changera pas pendant l'opération de préréglage.

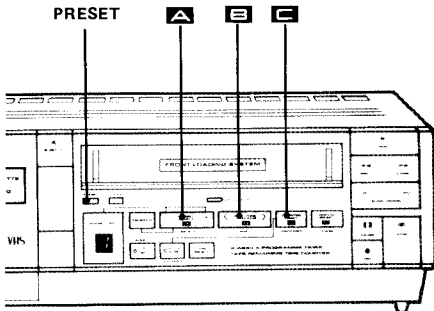
L'indication ne changera pas jusqu'à ce que toutes les stations préréglées aient été préréglées et que la touche soit enclenchée.

# 1

Depress the PRESET button to display the information for presetting the Akai VS-6 on your TV screen.



Appuyez sur la touche de préréglage (PRESET) pour afficher, sur votre écran de télévision, les informations pour le préréglage du VS-6 Akai.

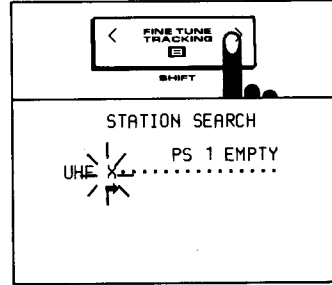


# 2

You can preset the Akai VS-6 automatically or manually:

## AUTO

To follow the instruction "SEARCH FOR STATION → B", depress the <B> button just once. The "X" will move from the left to right (regardless of whether the < or > side is depressed), visually indicating the search for TV stations.



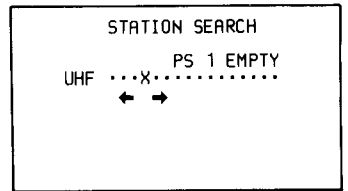
Vous pouvez prérégler le VS-6 Akai automatiquement ou manuellement.

## AUTO

Suivant l'instruction "SEARCH FOR STATION → B", appuyez une seule fois sur la touche <B>. Le "X" se déplacera de la gauche vers la droite (que le côté < ou > soit enclenché), indiquant visuellement la recherche des stations de télévision.

## MANUAL

To follow the instruction "SEARCH FOR STATION → B", keep depressing the < or > side of the <B> button. The "X" will move towards the left when the < side is depressed and towards the right when the > side is depressed, visually indicating the search for TV stations.



## MANUELLE

Suivant l'instruction "SEARCH FOR STATION → B", maintenez enfoncé le côté < ou > de la touche <B>. Le "X" se déplacera vers la gauche lorsque le côté < est enfoncé et vers la droite lorsque le côté > est enfoncé, indiquant visuellement la recherche des stations de télévision.



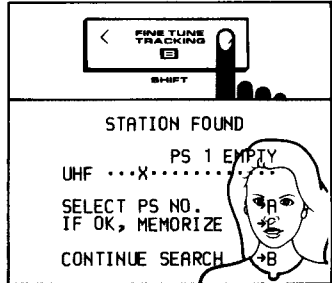
# 3

## AUTO

Station search stops when a TV station is found (i.e. tuned in) and this information and a program from the found TV station will be displayed.

## AUTO

La recherche de stations s'arrête lorsqu'une station de télévision est trouvée (c'est-à-dire syntonisée) et cette information et une émission de la station de télévision trouvée seront affichées.



## MANUAL

When a station is found (i.e. tuned in), release the button. The information will be displayed.

- If the display and the program are not clear the TV station may be incapable of being memorized and TV search should be restarted. Depress the < > button to restart station search from where the previous station search stopped.
- If you do not want to memorize the station, depress the < > button to resume station search.

## MANUELLE

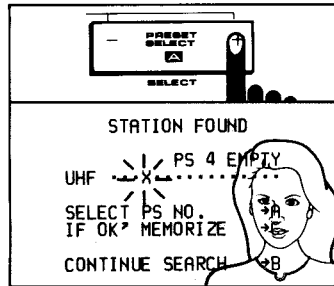
Lorsqu'une station est trouvée (c'est-à-dire syntonisée), relâchez la touche. L'information sera affichée.

- Si l'affichage et l'émission ne sont pas clairs, la station de télévision peut peut-être ne pas être mémorisée et la recherche doit être reprise. Appuyez sur la touche < > pour redémarrer la recherche de stations à partir du point où la recherche précédente s'était arrêtée.
- Si vous ne voulez pas mémoriser la station, appuyez sur la touche < > pour redémarrer la recherche de stations.

# 4

To follow the instruction "SELECT PS NO. → A", depress the → button to select the preset channel (PS) number (VS-6EG and ES: 1, 2, 3, ..... up to 8/VS-6EO: 1, 2, 3, ..... up to 12).

Suivant l'instruction "SELECT PS NO. → A", appuyez sur la touche → pour sélectionner le numéro de station préréglée (PS) (VS-6EG et ES: 1, 2, 3, ..... jusqu'à 8/VS-6EO: 1, 2, 3, ..... jusqu'à 12).



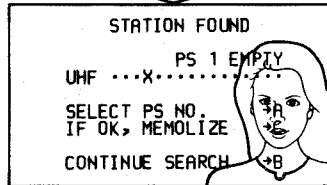
- \* For convenience, select the preset channel number corresponding to the TV channel selector. For example, if channel selector 4 on your TV is tuned to TV station A, select preset channel 4.
- \* If "EMPTY" is not displayed after the preset channel number, that number is already memorized with a TV station and you must select another number.
- \* Pour une utilisation simple, sélectionnez le numéro de station préréglée correspondant au sélecteur de canal du téléviseur. Par exemple, si le sélecteur de canal 4 de votre téléviseur est syntonisé sur la station de télévision A, sélectionnez la station préréglée 4.
- \* Si "EMPTY" n'est pas affiché après le numéro de station préréglée, ce numéro est déjà mémorisé avec une station de télévision et vous devez choisir un autre numéro.

## Is the TV station tuned in properly?

The automatic station search system searches for and tunes in TV stations. This searching for TV stations is indicated by the movement of the "X". Searching stops when a TV station is tuned in. A program from the tuned in TV station will be displayed on your TV screen.

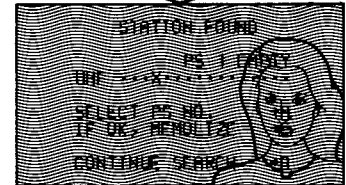
## La station de télévision est-elle correctement syntonisée?

Le système automatique de recherche de station recherche et syntonise les stations de télévision. Cette recherche des stations est indiquée par le déplacement du "X". La recherche s'arrête lorsqu'une station de télévision est syntonisée. Une émission de la station de télévision syntonisée sera affichée sur votre écran de télévision.



When the display and the program from the tuned in TV station are clear, you can memorize the station.

Lorsque l'affichage et l'émission de la station de télévision syntonisée sont clairs, vous pouvez mémoriser la station.



When the display and the program from the tuned in TV station are not clear, the signal from the TV station is not strong enough for clear reception. In that case, the TV station may be incapable of being memorized and TV search should be restarted. This is done by depressing the < > button.

Lorsque l'affichage et l'émission de la station de télévision syntonisée ne sont pas clairs, le signal de la station de télévision n'est pas assez fort pour obtenir une bonne réception. Dans ce cas, la station de télévision ne peut peut-être pas être mémorisée et la recherche doit être reprise. Ceci s'effectue en appuyant sur la touche < >.

# 8

To stop station search operation, depress the PRESET button again. The display will disappear from the TV screen.

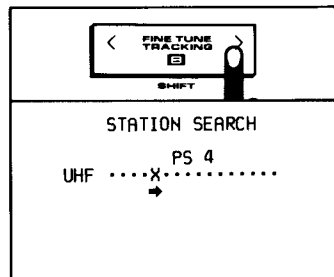
Pour arrêter la recherche de stations, appuyez à nouveau sur la touche PRESET. L'affichage disparaîtra de l'écran de télévision.



# 7

Repeat steps 3 to 6 until you have preset all the locally available TV stations.

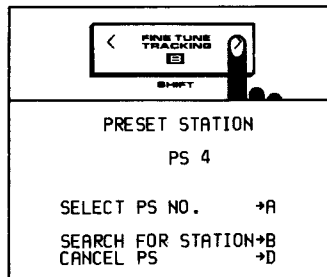
Répétez les opérations 3 à 6 jusqu'à ce que toutes les stations de télévision disponibles localement soient préréglées.



# 6

To follow the instruction "SEARCH FOR STATION → B", depress the < > button to re-start station search from where the previous station search stopped.

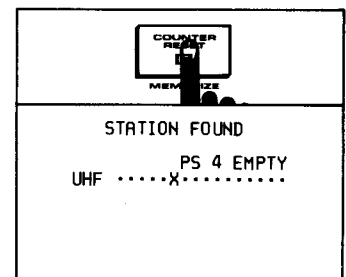
Suivant l'instruction "SEARCH FOR STATION → B", appuyez sur la touche < > pour redémarrer la recherche de stations à partir du point auquel la recherche précédente s'était arrêtée.



# 5

To follow the instruction "IF OK, MEMORIZE → C", depress the button to memorize the TV station into the selected preset channel number.

Suivant l'instruction "IF OK, MEMORIZE → C", appuyez sur la touche button pour mémoriser la station de télévision sur le numéro de station préréglée sélectionné.



## If you want to cancel a preset TV station

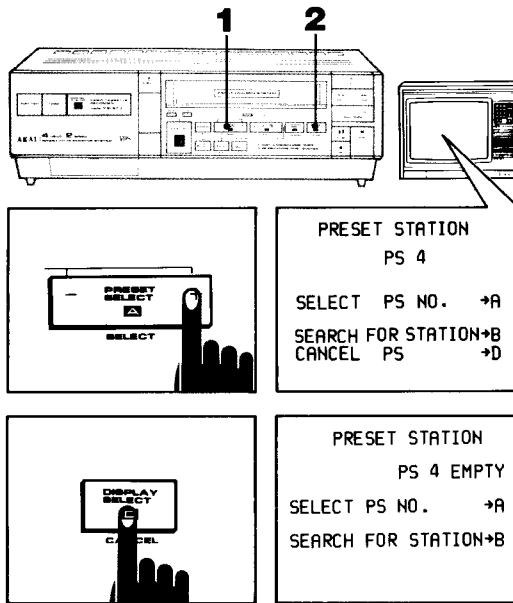
Depress the PRESET button.

# 1

Depress the **->+** button to select the preset channel you wish to cancel.

# 2

To follow the instruction "CANCEL PS → D", depress the **□** button to cancel the preset TV station. "EMPTY" will be displayed to indicate that the TV station is canceled.  
To remove the display from your TV screen, depress the PRESET button again.



## Pour annuler une station de télévision préréglée

Appuyez sur la touche PRESET.

# 1

Appuyez sur la touche **->+** pour sélectionner la station préréglée que vous voulez annuler.

# 2

Suivant l'instruction "CANCEL PS → D", appuyez sur la touche **□** pour annuler la station de télévision préréglée. "EMPTY" sera affiché pour indiquer que la station de télévision est annulée.  
Appuyez à nouveau sur la touche de préréglage (PRESET) pour faire disparaître l'affichage de l'écran de télévision.

## If the picture from a preset TV station is not clear.

If the color is off when a preset TV station is selected with the **->+** button, use the **<□>** button to finely tune it in.

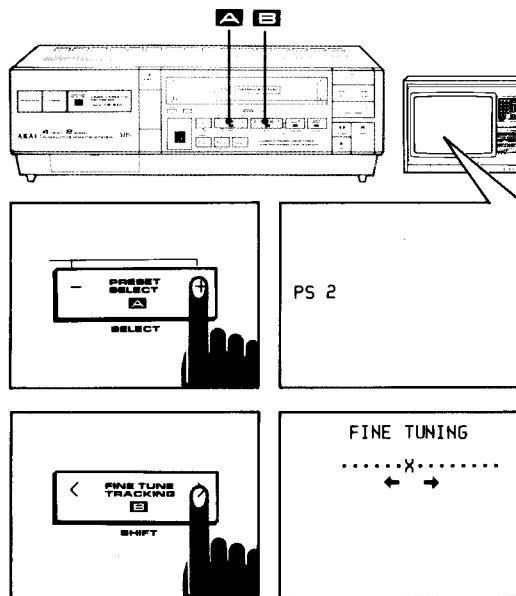
Depress the **<□>** button to show the display for fine tuning.

Depress the **<** side to move the "X" to the left and the **>** side to move the "X" to the right.

- \* Holding down the button will move the "X" continuously.
- \* To carry out the fine tuning operation more slowly, depress the button repeatedly in succession. If you release the button for too long, the display will disappear. In that case, depress the button again.

When a program is clearly tuned in, release the button to stop the fine tuning operation.

- \* The display will disappear a few seconds later.



## Si l'image de la station de télévision préréglée n'est pas claire

Si la couleur est terne lorsqu'une station de télévision préréglée est sélectionnée avec la touche **->+**, utilisez la touche **<□>** pour la syntoniser finement.

Appuyez sur la touche **<□>** pour obtenir l'affichage de syntonisation fine.

Appuyez sur le côté **<** pour déplacer le "X" vers la gauche et sur le côté **>** pour déplacer le "X" vers la droite.

- \* Le fait de maintenir la touche enfoncée fera se déplacer continuellement le "X".
- \* Pour effectuer plus lentement l'opération de syntonisation fine, appuyez rapidement et de façon répétée sur la touche. Si vous relâchez la touche pendant trop longtemps, l'affichage disparaîtra. Appuyez à nouveau sur la touche dans ce cas.

Lorsqu'une émission est clairement syntonisée, relâchez la touche pour arrêter l'opération de syntonisation fine.

- \* L'affichage disparaîtra quelques secondes plus tard.



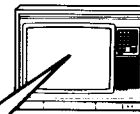
**TV search is carried out in this order**

**AUTO**  
UHF → VHF

When all the frequencies have been scanned, the information for the end of station search will be displayed on your TV screen and a few seconds later it will disappear.

**MANUAL**  
UHF → VHF ... and so on .....

During manual station search, scanning is continuous. The information for the end of station search will not be displayed on your TV screen.



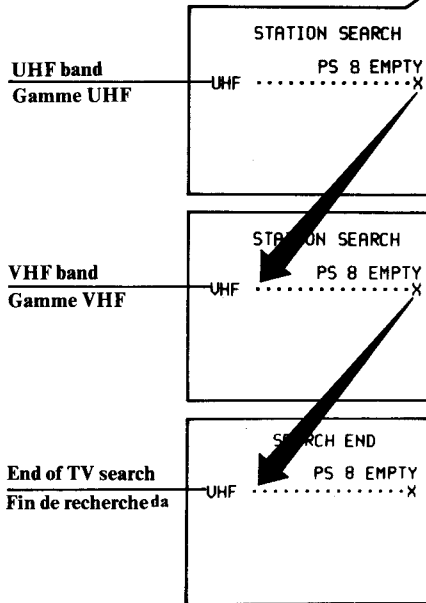
**La recherche TV s'effectue dans cet ordre**

**AUTO:**  
UHF → VHF

Lorsque toutes les fréquences ont été balayées, les informations de fin de recherche de stations seront affichées sur votre écran de télévision et elles disparaîtront au bout de quelques secondes.

**MANUELLE:**  
UHF → VHF → UHF .... etc.

Pendant la recherche manuelle de stations, le balayage est continu. Les informations de fin de recherche de stations ne seront pas affichées sur votre écran de télévision.







# Let's study the use of the DISPLAY SELECT button

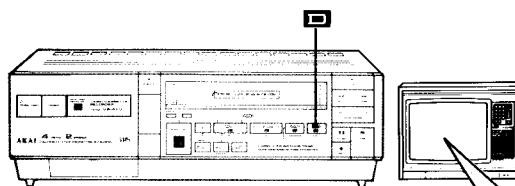
## Etudions l'utilisation de la touche de sélection d'affichage



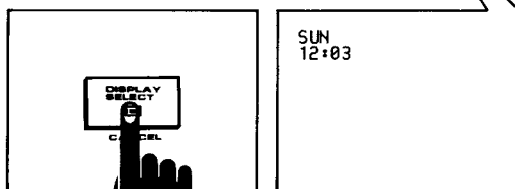
DISPLAY SELECT  
Sélection d'affichage

During recording or playback, you can display 5 convenient pieces of information on your TV screen by repeatedly depressing the  button.

Pendant un enregistrement ou une reproduction, vous pouvez afficher 5 informations pratiques sur votre écran de télévision en appuyant de façon répétée sur la touche .




### 1. Day of week and actual time

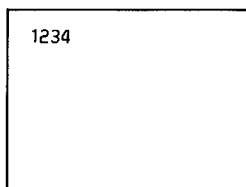


### 1. Jour de la semaine et heure réelle

### 2. Tape counter

Shows the relative position of the tape.

**NOTE:**  
To reset the tape counter to "0000", depress the  button.

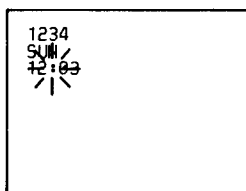


### 2. Compteur de bande

Indique la position relative de la bande.

**REMARQUE:**  
Appuyez sur la touche  pour remettre à "0000" le compteur de bande.

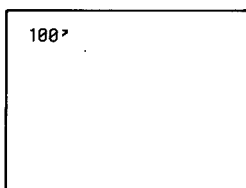
### 3. Tape counter/day of week and actual time



### 3. Compteur de bande/jour de la semaine et heure réelle

### 4. Tape remaining time

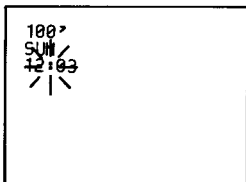
- Shows you in 5 minute intervals how long until the end of the tape.
- Set the TAPE SELECT button first. Refer to page 18.
- "?" indicates that the Akai VS-6 is calculating the tape time remaining.
- Tape remaining time cannot function during rewind and fast forward. "?" will be displayed.



### 4. Temps restant sur la bande

- Vous indique toutes les 5 minutes le temps restant jusqu'à la fin de la bande.
- Réglez tout d'abord la touche de sélection de bande (TAPE SELECT). Reportez-vous page 18.
- "?" indique que le VS-6 Akai est en train de calculer.
- La fonction de temps restant sur la bande ne peut s'effectuer pendant le rembobinage et l'avance rapide. "?" sera affiché.

### 5. Tape remaining time/day of week and actual time



### 5. Temps restant sur la bande/jour de la semaine et heure réelle

**NOTE:**  
On the accuracy of the tape remaining time. As the tape remaining time counter does not function as a clock, there is some error in it's counting of time. The counter is intended only as a guide and not as an exact measurement of remaining time.

**REMARQUE:**  
Sur la précision du temps restant: Le compteur de temps restant sur la bande ne fonctionne pas comme une horloge, il y a donc une certaine erreur de l'indication. Ce compteur n'est prévu qu'en tant que guide et non pas comme une mesure précise du temps restant.



# How to load and unload a video cassette tape

## Pour charger et décharger une bande cassette vidéo

### Important

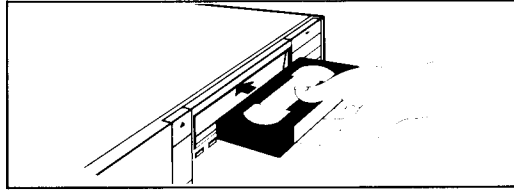
A video cassette tape can be loaded or unloaded only when the Akai VS-6 is turned on.

- \* Confirm that the POWER switch is set to ON (▲) and FUNCTION button is tuned on (its indicator is lit).

### Loading

Insert the video cassette tape correctly into the cassette loading compartment and give it a little push.

- \* Follow the markings on the video cassette tape to correctly insert it into the cassette loading compartment. If the video cassette tape is not inserted correctly it will be ejected.

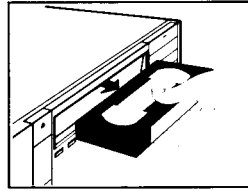
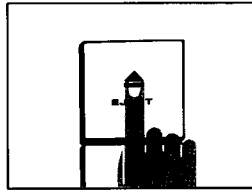


### Unloading

Depress the EJECT button. The video cassette tape will be ejected. Take out the video cassette tape.

### NOTE:

The EJECT button can be depressed any time except during recording. (including automatic recording and sleep recording)



### Important

Une bande cassette vidéo ne peut être chargée ou déchargée que lorsque le VS-6 Akai est sous tension.

- \* Vérifiez que le commutateur d'alimentation (POWER) est réglé sur marche (ON ▲) et que la touche de fonction (FUNCTION) est sous tension (son indicateur est allumé).

### Chargement

Insérez correctement la bande cassette vidéo dans le compartiment de cassette et poussez-la légèrement.

- \* Suivez les repères indiqués sur la bande cassette vidéo pour la charger correctement dans le compartiment. Si la bande cassette vidéo n'est pas correctement chargée, elle sera éjectée.

### Déchargement

Appuyez sur la touche d'éjection (EJECT ▲). La bande cassette vidéo sera éjectée. Sortez-la du compartiment.

### REMARQUE:

La touche d'éjection (EJECT ▲) peut être enclenchée à n'importe quel moment, sauf pendant un enregistrement (y compris un enregistrement automatique et un enregistrement heure "sommeil").

## On Video cassette tape

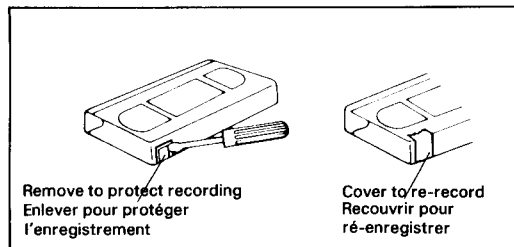
### Sur les bandes cassettes vidéo

- Only VHS video cassette tapes may be used with the Akai VS-6.



- Seules des bandes cassettes vidéo VHS peuvent être utilisées avec le VS-6 Akai.

- To protect a recording, remove the recording defeat tab with a screwdriver. To re-record, cover the cavity with a piece of adhesive tape.
- Never touch the tape with your fingers.
- Never open the video cassette tape case.
- Store standing on end in a well ventilated place, away from objects with strong magnetic fields and away from bright lighting.



### NOTE:

- Before recording or playing back a video cassette tape, be sure to forward the tape slightly so that the leader tape (the transparent part of the tape) is not in the head path.

- Pour protéger un enregistrement, enlevez la languette de protection contre l'enregistrement avec un tournevis. Recouvrez la cavité d'un morceau de ruban adhésif pour ré-enregistrer.

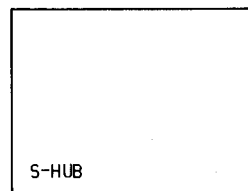
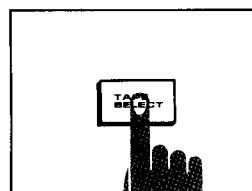
- Ne touchez jamais la bande avec les doigts.
- N'ouvrez jamais le boîtier de la bande cassette vidéo.
- Stockez les cassettes debout, dans un endroit bien aéré, loin d'objets dégagant de forts champs magnétiques et loin des rayons directs du soleil.

### REMARQUE:

- Avant d'enregistrer ou de reproduire une bande cassette vidéo, assurez-vous de faire avancer légèrement la bande de sorte que la partie amorcée (la partie transparente de la bande) ait dépassé la tête.

### On the TAPE SELECT button

The Akai VS-6 is equipped with a tape remaining time system which tells you in 5 minute intervals how long until the end of the tape. Video cassette tape's reel hub sizes vary according to the tape length. Therefore, in order to accurately calculate the tape remaining time, the Akai VS-6 is equipped with the TAPE SELECT button. Before recording or playing back the video cassette tape, set the TAPE SELECT button according to the reel hub size. The position of the TAPE SELECT button will be displayed on the TV screen for approximately 3 seconds.



L-HUB	E-30 or E-60 tape
S-HUB	E-90, E-120 or E-180 tape
E-240	E-240 tape

### Sur la touche de sélection de bande (TAPE SELECT)

Le VS-6 Akai est équipé d'un système de temps restant sur la bande qui vous indique à des intervalles de 5 minutes la durée restant jusqu'à la fin de la bande. Les dimensions du moyeu de bobine des bandes cassettes vidéo varient selon la longueur de la bande. Afin de calculer précisément le temps restant sur la bande, le VS-6 Akai incorpore donc une touche de sélection de bande (TAPE SELECT). Avant d'enregistrer ou de reproduire une bande cassette vidéo, réglez la touche de sélection de bande selon les dimensions du moyeu de la bobine. La position de la touche de sélection de bande sera affichée pendant approximativement 3 secondes sur l'écran de télévision.

L-HUB	Bande E-30 ou E-60
S-HUB	Bande E-90, E-120 ou 180
E-240	Bande E-240



# Let's record a TV program Enregistrement d'une émission de télévision



**AKAI VS-6**

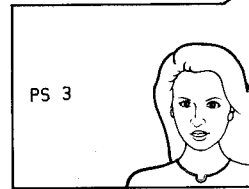
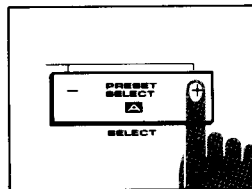
1	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
2	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
3	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.
4	All the components are properly connected. Tous les éléments sont correctement connectés.
5	Video mode selector is set properly. Le sélecteur de mode vidéo est correctement réglé.
6	A video cassette tape is loaded. Une bande cassette vidéo est chargée.
7	The SPEED selector is set. Refer to page 3. Le sélecteur de vitesse (SPEED) est réglé. Reportez-vous page 3.

**Check before starting  
Vérifiez avant de commencer**

**TV SET  
TELEVISEUR**

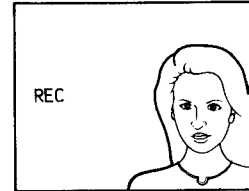
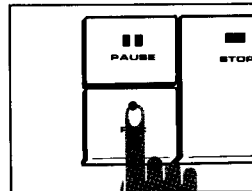
1	Turned on. Sous tension.
2	Properly connected. Correctement connecté.
3	Set to the video channel Réglé sur le canal vidéo.

**1**  
Depress the button to select the preset channel number memorized with the TV station to be recorded.  
\* The program from the selected TV station will be displayed on your TV screen. At the same time, the selected preset channel number will be displayed on the TV screen for approximately 3 seconds.



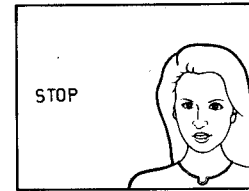
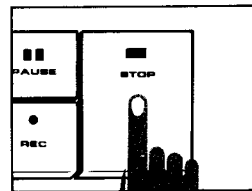
**1**  
Appuyez sur la touche pour sélectionner le numéro de station préréglée mémorisé avec la station de télévision à enregistrer.  
\* L'émission de la station de télévision sélectionnée sera affichée sur votre écran de télévision. Le numéro de la station préréglée sélectionnée sera en même temps affiché sur l'écran de télévision pendant approximativement 3 secondes.

**2**  
Depress the REC ( ) button for at least one second to begin recording.  
\* "REC" will be displayed on your TV screen for approximately 3 seconds.  
**NOTE:**  
There is a 3 to 4 second delay before recording starts, while the tape moves into position. For instant recording starts, refer to page 21.



**2**  
Appuyez sur la touche d'enregistrement (REC ) pendant au moins une seconde pour démarrer l'enregistrement.  
\* "REC" sera affiché sur votre écran de télévision pendant approximativement 3 secondes.  
**REMARQUE:**  
Il y a un délai de 3 à 4 secondes avant que l'enregistrement démarre, pendant que la bande se met en position. Pour un démarrage instantané de l'enregistrement, reportez-vous page 21.

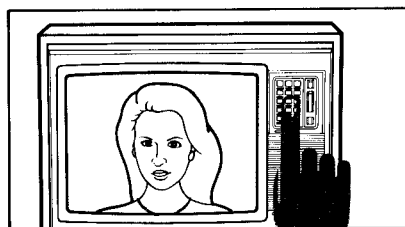
**3**  
To stop recording, depress the STOP ( ) button.  
\* "STOP" will be displayed on your TV screen for approximately 3 seconds.



**3**  
Appuyez sur la touche d'arrêt (STOP ) pour arrêter l'enregistrement.  
\* "STOP" sera affiché sur votre écran de télévision pendant approximativement 3 secondes.

## To watch one program while recording another

If you want to watch a program on a different channel, just depress the TV's channel selector corresponding to the program you want to watch.  
VS-6EA  
For users in Australia only: Set the VIDEO/TV selector to TV.



## Pour regarder une émission de télévision tout en enregistrant une autre

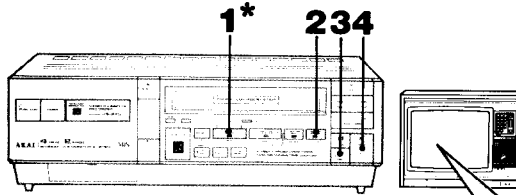
Si vous voulez regarder une émission sur une chaîne différente, il vous suffit d'appuyer sur le sélecteur de canal du téléviseur correspondant à l'émission que vous voulez regarder.



# Would you like to index your recordings? Voulez-vous indexer vos enregistrements?



The date, time and preset channel number can be recorded automatically at the beginning of a recording for approximately 7 seconds. When you play back a tape you can tell when it was recorded.

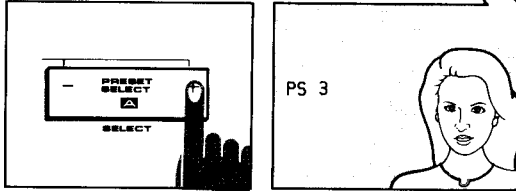


La date, l'heure et le numéro de station préréglée peuvent être automatiquement enregistrés au début d'un enregistrement pendant approximativement 7 secondes. A la reproduction vous savez quand la bande a été enregistrée.

## 1

Depress the **-PS+** button to select the preset channel number memorized with the TV station to be recorded.

\* The program from the selected TV station will be displayed on the TV screen. At the same time, the selected preset channel number will be displayed on the TV screen for approximately 3 seconds.



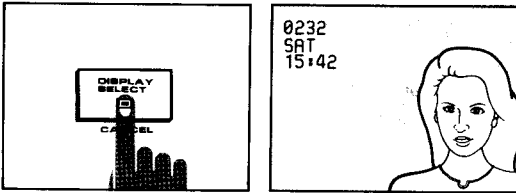
## 1

Appuyez sur la touche **-PS+** pour sélectionner le numéro de station préréglée mémorisé avec la station de télévision à enregistrer.

\* L'émission de la station de télévision sélectionnée sera affichée sur l'écran de télévision. Le numéro de station préréglée sélectionné sera en même temps affiché sur l'écran de télévision pendant approximativement 3 secondes.

## 2

Repeatedly depress the **DAY** button until a display containing the day of the week and the actual time is shown on the TV screen.



## 2

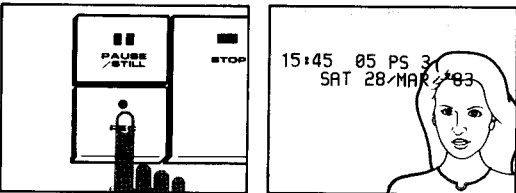
Appuyez de façon répétée sur la touche **DAY** jusqu'à ce qu'un affichage contenant le jour de la semaine et l'heure réelle soit obtenu sur l'écran de télévision.

## 3

Depress the **REC** button for at least one second to begin recording.

\* The index (date, time and preset channel number) will be displayed on the middle of the TV screen. This display will be recorded for approximately 7 seconds.

\* "REC" will be displayed for approximately 3 seconds after the index has disappeared.



## 3

Appuyez sur la touche d'enregistrement (**REC**) pendant au moins une seconde pour démarrer l'enregistrement.

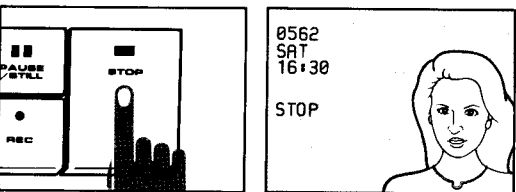
\* L'index (la date, l'heure et le numéro de station préréglée) sera affiché au milieu de l'écran de télévision. Cet affichage sera enregistré pendant approximativement 7 secondes.

\* "REC" sera affiché pendant approximativement 3 secondes après que l'index a disparu.

## 4

To stop recording, depress the **STOP** button.

\* "STOP" will be displayed on the TV screen for approximately 3 seconds.



## 4

Pour arrêter l'enregistrement, appuyez sur la touche d'arrêt (**STOP**).

\* "STOP" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

### NOTE:

- If you do not want to record the index, repeatedly depress the **DAY** button until the day of the week and the actual time are no longer displayed.

### REMARQUE:

- Si vous ne voulez pas enregistrer l'index, appuyez de façon répétée sur la touche **DAY** jusqu'à ce que le jour de la semaine et l'heure réelle ne soient plus affichés.

### Recording Notes:

- Recording can be stopped temporarily by depressing the **PAUSE** button. To prevent damage to the tape, do not remain in pause for more than 4 minutes. After 4 minutes the video cassette recorder will automatically go into stop. To resume recording, depress the **REC** button.
- To fast forward the tape, depress the **F.FWD** button. \* "FF" will be displayed on the TV screen for approximately 3 seconds.
- To rewind the tape, depress the **REW** button. \* "REW" will be displayed on the TV screen for approximately 3 seconds.
- To stop the tape, depress the **STOP** button or depress the **PLAY** button to begin playback.
- The tape is not played back during fast forward or rewind operation.
- If the **REC** button will not function, check to see if the video cassette tape's recording defeat tab is broken. If it is, cover the hole with a piece of adhesive tape.
- If you repeatedly depress the **-PS+** too quickly, the PS number shown on the TV screen might not correctly indicate the TV station selected. However, the PS number shown on the **PRESET** (PS) display on the front of the VS-6 will correctly show the PS number.

Whenever the end of the tape is reached, the tape will automatically rewind to the beginning and stop.

### REMARQUES:

- L'enregistrement peut être provisoirement arrêté en appuyant sur la touche de pause (**PAUSE**).
- Pour éviter tout dommage à la bande, ne restez pas en mode de pause pendant plus de 4 minutes. Après 4 minutes, le VS-6 Akai se mettra automatiquement sur le mode d'arrêt. Pour reprendre l'enregistrement, appuyez sur la touche d'enregistrement (**REC**).
- Appuyez sur la touche d'avance rapide (**F.FWD**) pour faire avancer rapidement la bande. \* "FF" sera affiché sur votre écran de télévision pendant approximativement 3 secondes.
- Appuyez sur la touche de rembobinage (**REW**) pour rembobiner la bande. \* "REW" sera affiché sur votre écran de télévision pendant approximativement 3 secondes.
- Pour arrêter la bande, appuyez sur la touche d'arrêt (**STOP**) ou appuyez sur la touche de reproduction (**PLAY**) pour démarrer la reproduction.
- La bande n'est pas reproduite pendant l'avance rapide et le rembobinage.
- Si la touche d'enregistrement (**REC**) ne fonctionne pas, vérifiez pour voir si la languette de protection contre l'enregistrement de la bande cassette vidéo est cassée. Si elle l'est, recouvrez la cavité d'un morceau de ruban adhésif.

\* Si vous appuyez trop rapidement et de façon répétée sur la touche **-PS+**, le numéro PS indiqué sur l'écran de télévision peut ne pas indiquer correctement la station de télévision sélectionnée. Le numéro PS indiqué sur l'affichage préréglé PS (**PRESET**) sur l'avant du VS-6 indiquera cependant le numéro PS correct.

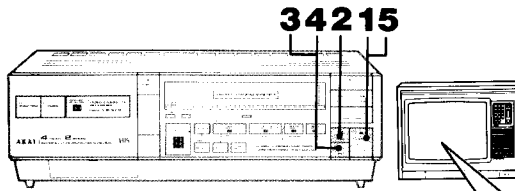
Lorsque l'extrémité de la bande est atteinte, la bande se rembobinera automatiquement jusqu'à son début et s'arrêtera.



# How to quickly start recording Comment démarrer rapidement un enregistrement



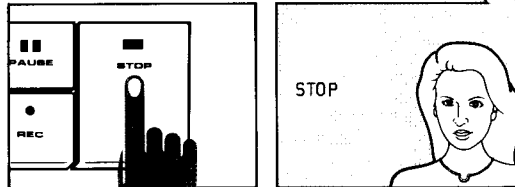
If you want to record as soon as the REC (●) button is depressed, just put the Akai VS-6 into recording standby.



Si vous voulez commencer à enregistrer aussitôt que la touche d'enregistrement (REC ●) est enfoncée, il vous suffit de mettre le VS-6 Akai en attente d'enregistrement.

## 1

Depress the STOP (■) button  
\* "STOP" will be displayed on the TV screen for approximately 3 seconds.

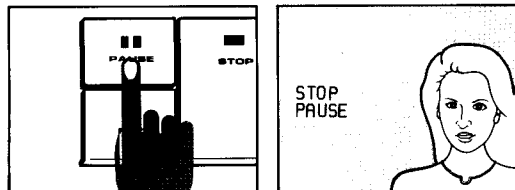


## 1

Appuyez sur la touche d'arrêt (STOP ■).  
\* "STOP" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 2

Depress the "PAUSE" (■) button. STOP PAUSE (pause during stop) will be displayed on the TV screen for approximately 3 seconds.

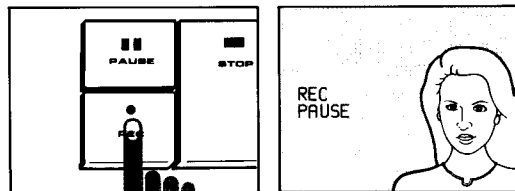


## 2

Appuyez sur la touche de pause (PAUSE ■).  
\* "STOP PAUSE" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 3

Depress the REC (●) button for at least 1 second to put the Akai VS-6 into recording standby.  
\* "REC PAUSE" (pause during recording) will be displayed on the TV screen for approximately 3 seconds.

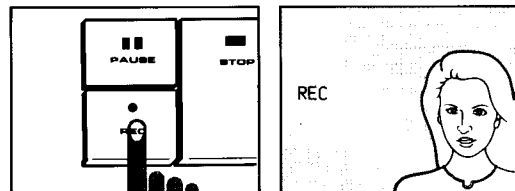


## 3

Appuyez sur la touche d'enregistrement (REC ●) pendant au moins une seconde pour mettre le VS-6 Akai sur le mode d'attente d'enregistrement.  
\* "REC PAUSE" (pause pendant l'enregistrement) sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 4

Depress the REC (●) button again for at least 1 second.  
Recording will start immediately.  
\* "REC" be displayed on the TV screen for approximately 3 seconds.

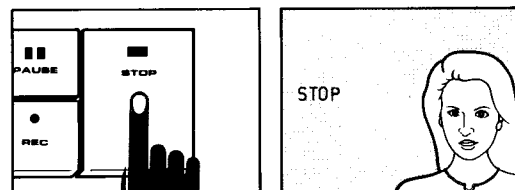


## 4

Appuyez à nouveau, pendant au moins 1 seconde, sur la touche d'enregistrement (REC ●).  
L'enregistrement commencera immédiatement.  
\* "REC" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 5

To stop recording, depress the STOP (■) button.  
\* "STOP" will be displayed on the TV screen for approximately 3 seconds.



## 5

Pour arrêter l'enregistrement, appuyez sur la touche d'arrêt (STOP ■).  
\* "STOP" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

**NOTE:**  
To prevent damage to the tape, do not remain in the recording standby for more than 4 minutes. After 4 minutes the Akai VS-6 will automatically into stop.

**REMARQUE:**  
Pour éviter tout dommage à la bande, ne restez pas sur le mode d'attente d'enregistrement pendant plus de 4 minutes. Après 4 minutes, le VS-6 Akai se mettra automatiquement sur le mode d'arrêt.

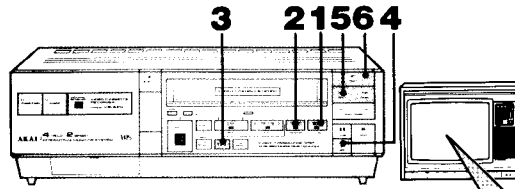


# To quickly find and playback the just recorded TV program using the AUTO STOP

## Pour trouver et reproduire rapidement l'émission qui vient juste d'être enregistrée



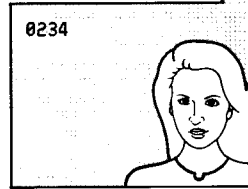
Use the AUTO STOP (COUNTER "0") system to quickly locate the beginning of the just recorded program.



Utilisez le système automatique d'arrêt à zéro du compteur (COUNTER "0") pour localiser rapidement le début de l'émission qui vient juste d'être enregistrée.

# 1

Repeatedly depress the button until the tape counter is displayed on the TV screen.

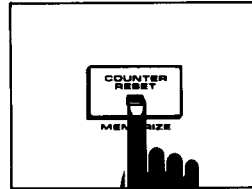


# 1

Appuyez de façon répétée sur la touche jusqu'à ce que le compteur de bande soit affiché sur l'écran de télévision.

# 2

Depress the button to reset the tape counter to "0000".

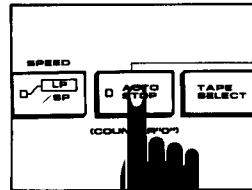


# 2

Appuyez sur la touche pour réinitialiser le compteur de bande à "0000".

# 3

Depress the AUTO STOP (COUNTER "0") button.  
• Confirm that its indicator is on.

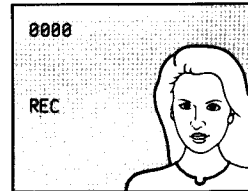
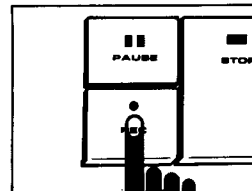


# 3

Appuyez sur la touche arrêt automatique "0" compteur (AUTO STOP (COUNTER "0")).  
• Vérifiez que son indicateur est allumé.

# 4

Depress the REC () button for at least 1 second to begin recording.  
• "REC" will be displayed on the TV screen for approximately 3 seconds.

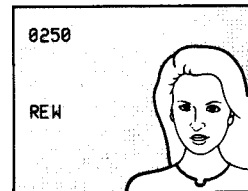
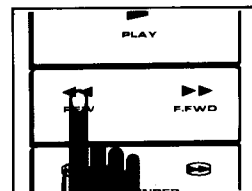


# 4

Appuyez sur la touche d'enregistrement (REC ) pendant au moins 1 seconde pour démarrer l'enregistrement.  
• "REC" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

# 5

At the end of the recording, depress the REW () button.  
The tape will rewind to the beginning of the program (in other words, to the counter reading of "0000") and stop.

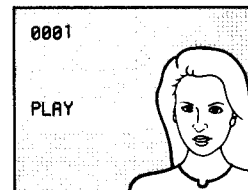
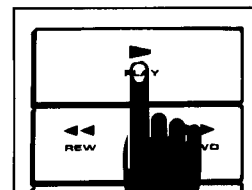


# 5

A la fin de l'enregistrement, appuyez sur la touche de rembobinage (REW ) .  
La bande sera rembobinée jusqu'au début de l'émission (en d'autres mots l'indication "0000" du compteur) et s'arrêtera.

# 6

Depress the PLAY () button to begin playback.  
• "PLAY" will be displayed on the TV screen for approximately 3 seconds.



# 6

Appuyez sur la touche de reproduction (PLAY ) pour démarrer la reproduction.  
• "PLAY" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

**NOTE:**  
To use the AUTO STOP (COUNTER "0") system during playback, depress the PLAY () button instead of the REC () button in step 4.

**REMARQUE:**  
Pour utiliser le système automatique d'arrêt zéro compteur (COUNTER "0") pendant une reproduction, appuyez sur la touche de reproduction (PLAY ) à la place de la touche d'enregistrement (REC ) à l'étape 4.



# Let's playback a recorded TV program

## Reproduction d'une émission de télévision enregistrée

**AKAI VS-6**

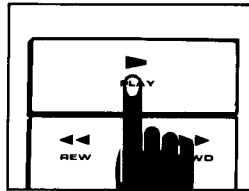
1	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
2	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
3	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.
4	All the components are properly connected. Tous les éléments sont correctement connectés.
5	Video mode selector is set properly. Le sélecteur de mode vidéo est correctement réglé.
6	A video cassette tape is loaded. Une bande cassette vidéo est chargée.
7	TAPE SELECT button is set. La touche de sélection de bande (TAPE SELECT) est réglée.

**Check before starting**  
**Vérifiez avant de commencer**

**TV SET TELEVISEUR**

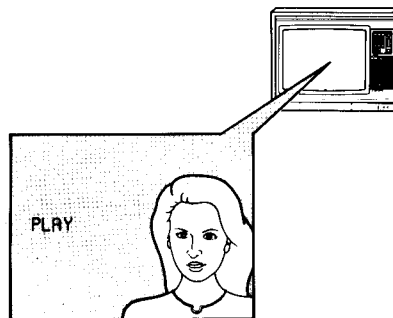
1	Turned on. Sous tension.
2	Properly connected. Correctement connecté.
3	Set to the video channel. Réglé sur le canal vidéo.

To playback a tape, depress the PLAY ( ) button.  
\* "PLAY" will be displayed on the TV screen for approximately 3 seconds.



Appuyez sur la touche de reproduction (PLAY ) pour reproduire une bande.  
\* "PLAY" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

**NOTE:**  
There is a 3 to 4 second delay before playback starts, while the tape moves into position. For instant playback starts, refer to page 25.  
Whenever the end of the tape is reached, the tape will automatically rewind to the beginning and stop.



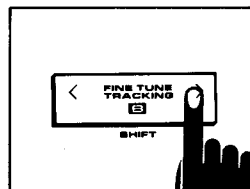
**REMARQUE:**  
Il y a un délai de 3 à 4 secondes avant que la reproduction démarre, pendant que la bande se met en place. Pour un démarrage instantané de la reproduction, reportez-vous page 25.  
Lorsque la bande atteint son extrémité, elle sera automatiquement rembobinée jusqu'à son début et elle s'arrêtera.

### To adjust the tracking control

**NOTE:**  
There may be disturbances in the playback picture. This can occur when you playback a tape recorded with another video cassette recorder. To improve the picture, depress the button.  
\* The tracking display "X" is normally set to the center of the tracking display.

To improve the picture, depress the button to show the display for tracking. Depress the < side to move the "X" towards the left and depress the > side to move the "X" towards the right.  
\* Holding down the button will move the "X" continuously.  
\* To carry out the tracking operation more slowly, repeatedly depress the button. If you release the button for too long, the display will disappear. In that case, depress the button again.

When the picture is clear, release the button to stop tracking.  
\* The display will disappear a few seconds later.



### Pour régler la commande d'alignement

**REMARQUE:**  
Il peut y avoir des parasites sur l'image reproduite. Ceci se produit lorsque vous reproduisez une bande enregistrée avec un autre magnétoscope. Appuyez sur la touche pour améliorer l'image.  
\* L'affichage d'alignement "X" est normalement réglé au centre de l'affichage d'alignement.

Pour améliorer la qualité de l'image, appuyez sur la touche afin d'obtenir l'affichage pour l'alignement. Appuyez sur le côté < pour déplacer le "X" vers la gauche, et appuyez sur le côté > pour déplacer le "X" vers la droite.  
\* Le fait de maintenir la touche enfoncée fera se déplacer continuellement le "X".  
\* Pour effectuer plus lentement les opérations de réglage de l'alignement, appuyez de façon répétée sur la touche . Si vous relâchez la touche pendant trop longtemps, l'affichage disparaîtra. Appuyez à nouveau sur la touche dans ce cas.  
Lorsque l'image est claire, relâchez la touche pour arrêter l'alignement.  
\* L'affichage disparaîtra quelques secondes plus tard.



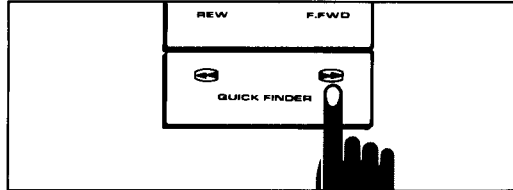
## If you want to quickly find a recorded program while watching the picture

Use the Akai quick finder system during playback to quickly find a recorded program. The tape will be played back very quickly. No sound will be heard during quick finder operation.

### In the forward direction:

Depress the QUICK FINDER (⊖) button. The picture will go forward very quickly. When you reach the point you are looking for, depress the PLAY (▶) button to resume normal playback.

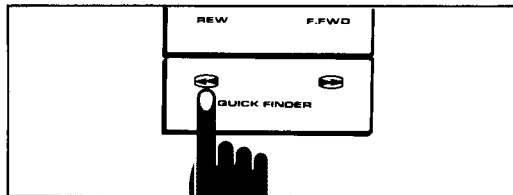
\* When the QUICK FINDER (⊖) button is depressed, "QF FWD" will be displayed on the TV screen for approximately 3 seconds.



### In the reverse direction:

Depress the (⊖) QUICK FINDER button. The picture will go backward very quickly. When you reach the point you are looking for, depress the PLAY (▶) button to resume normal playback.

\* When the (⊖) QUICK FINDER button is depressed, "QF REV" will be displayed on the TV screen for approximately 3 seconds.



### NOTE:

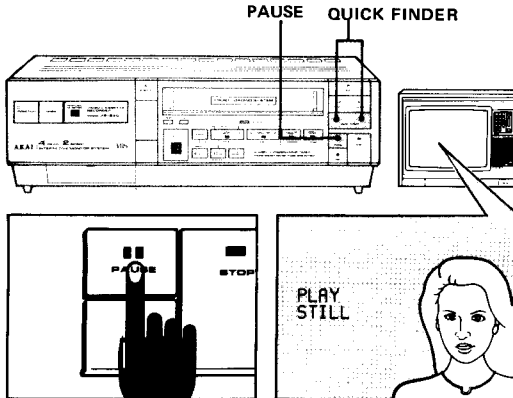
There will be disturbances in the picture during quick finder operation. This is normal.

## Still picture playback

During playback, you can obtain a still picture by depressing the PAUSE (⏸) button.

No sound will be heard and there will be noise bars during still picture playback.

To resume normal playback depress the PLAY (▶) button.



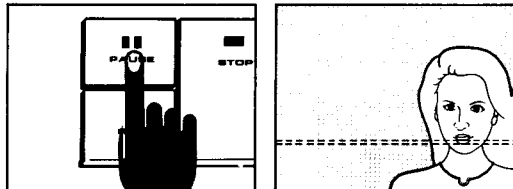
## To move the noise bars

### In the LP mode:

The noise bars which appear during still picture playback can be positioned on the TV screen so that you can look clearly at the details you want. All you have to do is repeatedly depress the PAUSE (⏸) button until the noise bars are positioned where you want them to be.

### In the SP mode:

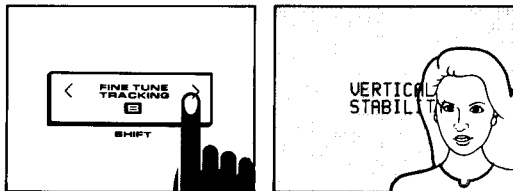
The noise bars can be moved in the same way as in LP mode. However, each push of the pause button will advance the tape one frame.



## If the still picture vibrates

If the still picture vibrates, depress the < or > side of the (⏸) button. The display for VERTICAL STABILITY will be shown on the TV screen. Release the button when the vibration is reduced.

\* To carry out this operation more slowly, repeatedly depress the < or > button. If you release the < or > button for too long, the display will disappear. In that case, depress the < or > button again.



### NOTE:

\* The Akai VS-6 does not have the same properties as broadcasting equipment. Therefore some noise bars and vibrations will appear on the picture during quick finder and still playback.

\* During quick finder and still playback the color may disappear from your picture. This is not the fault of the Akai VS-6 but of your color TV.

## Pour trouver rapidement une émission enregistrée tout en regardant l'image

Utilisez le système de recherche rapide Akai pendant une reproduction afin de trouver une émission enregistrée. La bande sera reproduite très rapidement. Aucun son ne sera entendu pendant le fonctionnement de la recherche rapide.

### En sens d'avance:

Appuyez sur la touche de recherche rapide (QUICK FINDER ⊖). L'image défilera très rapidement vers l'avant. Lorsque vous atteignez le point recherché, appuyez sur la touche de reproduction (PLAY ▶) pour reprendre une reproduction normale.

\* Lorsque la touche de recherche rapide (QUICK FINDER ⊖) est enfoncée, "QF FWD" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

### En sens de retour:

Appuyez sur la touche de recherche rapide (QUICK FINDER ⊖). L'image défilera très rapidement en retour. Lorsque vous atteignez le point recherché, appuyez sur la touche de reproduction (PLAY ▶) pour reprendre une reproduction normale.

\* Lorsque la touche de recherche rapide (QUICK FINDER ⊖) est enfoncée, "QF REV" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

### REMARQUE:

L'image sera parasitée pendant le fonctionnement en recherche rapide. C'est normal.

## Reproduction à arrêt sur image

Pendant la reproduction, vous pouvez obtenir une image fixe en appuyant sur la touche de pause (PAUSE ⏸).

Aucun son ne sera entendu et il y aura des barres parasites pendant une reproduction avec arrêt sur image.

Pour reprendre une reproduction normale, appuyez sur la touche de reproduction (PLAY ▶).

## Pour déplacer les barres parasites

### Sur le mode LP:

Les barres parasites qui apparaissent pendant une reproduction à arrêt sur image peuvent être positionnées sur l'écran de télévision de sorte que vous pouvez voir clairement les détails désirés.

Il vous suffit d'appuyer de façon répétée sur la touche de pause (PAUSE ⏸) jusqu'à ce que les barres parasites soient positionnées où vous le voulez.

### Sur le mode SP:

Les barres parasites peuvent être déplacées de la même manière que sur le mode LP. Chaque pression de la touche PAUSE (⏸) fera cependant avancer la bande d'une image.

## Si l'image fixe vibre

Si l'image fixe vibre, appuyez sur le côté < ou > de la touche (⏸). L'affichage "VERTICAL STABILITY" (stabilité verticale) sera obtenu sur l'écran de télévision. Relâchez la touche lorsque les vibrations sont réduites.

\* Pour effectuer plus lentement cette opération, appuyez de façon répétée sur la touche < ou >. Si vous relâchez trop longtemps la touche < ou > l'affichage disparaîtra. Appuyez à nouveau sur la touche < ou > dans ce cas.

### REMARQUE:

\* Le VS-6 Akai n'a pas les mêmes propriétés qu'un équipement d'émission. Des barres parasites et des vibrations apparaîtront donc sur l'image pendant la recherche rapide et la reproduction image par image.

\* Pendant la recherche rapide et la reproduction image par image, la couleur peut disparaître de l'écran. Ceci n'est pas dû au VS-6 Akai mais à votre téléviseur.

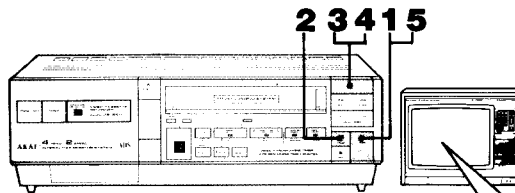


# How to quickly start playback Comment démarrer rapidement la reproduction



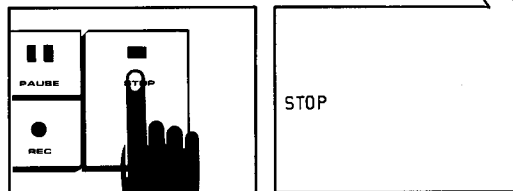
To make playback available as soon as the PLAY (▶) button is depressed, put the Akai VS-6 into playback standby.

Mettez le VS-6 Akai en attente de reproduction pour obtenir une reproduction aussitôt que la touche de reproduction (PLAY ▶) est enclenchée.



## 1

Depress the STOP (■) button.  
\* "STOP" will be displayed on the TV screen for approximately 3 seconds.

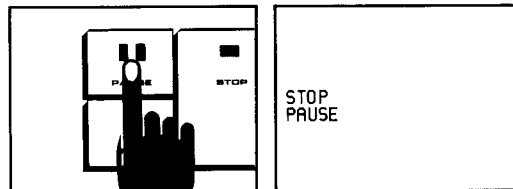


## 1

Appuyez sur la touche d'arrêt (STOP ■).  
\* "STOP" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 2

Depress the PAUSE (▬) button.  
\* "STOP-PAUSE" will be displayed on the TV screen for approximately 3 seconds.



## 2

Appuyez sur la touche de PAUSE (▬).  
\* "STOP-PAUSE" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 3

Depress the PLAY (▶) button to put the Akai VS-6 into playback.  
\* "PLAY-STILL" (still picture playback) will be displayed on the TV screen for approximately 3 seconds.  
(You can hold this position approximately 2 min. while waiting for the right moment to begin.)

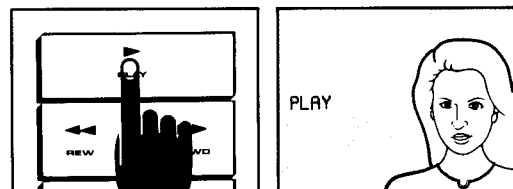


## 3

Appuyez sur la touche de reproduction (PLAY ▶) pour mettre le VS-6 en reproduction.  
\* "PLAY STILL" (reproduction à arrêt sur image) sera affiché pendant approximativement 3 secondes sur l'écran de télévision.  
(Vous pouvez également maintenir cette position pendant approximativement 2 minutes pour attendre le moment exact de commencer.)

## 4

Depress the PLAY (▶) button again. Playback will begin immediately.  
\* "PLAY" will be displayed on the TV screen for approximately 3 seconds.

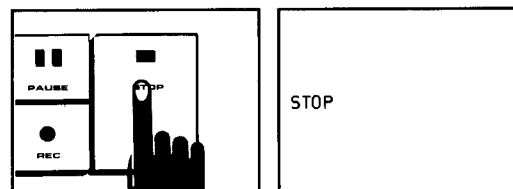


## 4

Appuyez à nouveau sur la touche de reproduction (PLAY ▶).  
La reproduction commencera immédiatement.  
\* "PLAY" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

## 5

To stop playback, depress the STOP (■) button.  
\* "STOP" will be displayed on the TV screen for approximately 3 seconds.



## 5

Pour arrêter la reproduction, appuyez sur la touche d'arrêt (STOP ■).  
\* "STOP" sera affiché pendant approximativement 3 secondes sur l'écran de télévision.

**NOTE:**  
To prevent damages to the tape, do not remain in playback standby for more than 2 minutes.

**REMARQUE:**  
Pour éviter tout dommage à la bande, ne restez pas sur le mode d'attente de reproduction pendant plus de 2 minutes.



# Let's program the Akai VS-6 for automatic recording

## Programmation du VS-6 pour un enregistrement automatique

By programming the Akai VS-6, you make it turn itself on, record a TV program and turn itself off, all automatically. Up to 4 programs (VS-6EG) and up to 2 programs (VS-6EO) can be set in advance you can freely choose the Time, Day, Week and TV station you wish to record and you can do it up to 4 weeks in advance.

En programmant le VS-6 Akai, vous pouvez le faire se mettre sous tension, enregistrer une émission de télévision et se mettre hors circuit, le tout automatiquement. Jusqu'à 4 (VS-6EG) et 2 (VS-6EO) programmes peuvent être présélectionnés. Vous pouvez choisir librement l'heure, le jour, la semaine et la station de télévision que vous désirez enregistrer, et vous pouvez le faire jusqu'à 4 semaines à l'avance.

### On the programming display

### Sur l'affichage de programmation

### RTV servis Horvat

Kešinci, 31402 Semeljci

031-856-139

031-856-637

098-788-319

rtv-servis-horvat@os.tel.hr

Croatia

This tells you the program number.

Ceci vous indique le numéro de programme.

The arrow indicates which program you are going to set.

La flèche indique quel programme vous allez régler.

This tells you the week on which automatic recording is to take place.

Ceci vous indique la semaine à laquelle l'enregistrement automatique s'effectuera.

This tells you on which day of the week automatic recording is to take place.

Ceci vous indique quel jour de la semaine l'enregistrement automatique s'effectuera.

This tells you the time at which automatic recording is to take place.

Ceci vous indique l'heure à laquelle l'enregistrement automatique s'effectuera.

This tells you which preset TV station is to be recorded.

Ceci vous indique quelle station de télévision pré-réglée doit être enregistrée.

```

1  --- PS 1
2  2-MON 22:30 PS 6
3  --- PS 1
4  --- PS 1

```

SELECT PROGRAM NO. →A

This is instructing you to depress the **←** button to select the program you want to set.

Ceci vous dit d'appuyer sur la touche **←** pour sélectionner le programme que vous voulez régler.

This is instructing you to depress the **<** button to reprogram a set program.

Ceci vous dit d'appuyer sur la touche **<** pour reprogrammer un programme réglé.

```

PROGRAM 3
FROM 10:00 TO 10:30
1ST-TUE 29/MAR/'83
PS 3

```

RE PROGRAM →B  
CANCEL →D  
SELECT PROGRAM NO. →A

This is instructing you to depress the **□** button to cancel the program.

Ceci vous dit d'appuyer sur la touche **□** pour annuler le programme.

This is instructing you to depress the **→** button to select the indication for the flashing item.

"SELECT START TIME" will be displayed when you are to select the time at which automatic recording is to start. "SELECT STOP TIME" will be displayed when you are to select the time at which automatic recording is to stop.

"SELECT DAY" will be displayed when you are to select the week and the day of the week on which automatic recording is to take place. "SELECT PS NO." will be displayed when you are to select the preset channel number memorized with the TV station you want to record.

Ceci vous dit d'appuyer sur la touche **→** pour sélectionner l'indication de l'élément clignotant.

"SELECT START TIME" sera affiché lorsque vous devez sélectionner l'heure à laquelle l'enregistrement automatique doit commencer.

"SELECT STOP TIME" sera affiché lorsque vous devez sélectionner l'heure à laquelle l'enregistrement automatique doit se terminer.

"SELECT DAY" sera affiché lorsque vous devez sélectionner la semaine et le jour de la semaine auxquels l'enregistrement automatique doit s'effectuer.

"SELECT PS NO." sera affiché lorsque vous devez sélectionner le numéro de station pré-réglée mémorisé avec la station de télévision que vous voulez enregistrer.

This tells you which preset TV station is to be recorded.

Ceci vous indique quelle station de télévision pré-réglée doit être enregistrée.

The left tells you the week, the middle the day of the week and the right tells you the date on which automatic recording is to take place.

La gauche vous indique la semaine, le milieu le jour de la semaine, et la droite la date auxquels l'enregistrement automatique doit s'effectuer.

The left tells you the time at which automatic recording is to start and the right tells you the time at which automatic recording is to stop.

La gauche vous indique l'heure à laquelle l'enregistrement automatique doit commencer et la droite l'heure à laquelle il doit se terminer.

```

PROGRAM 2
FROM 12:30 TO 14:00
2ND-MON 15/APR/'83
PS 6

```

SELECT PS NO. →A  
SHIFT →B  
IF OK, MEMORIZE →C

This is instructing you to depress the **□** button to memorize the program.

Ceci vous dit d'appuyer sur la touche **□** pour mémoriser le programme.

This is instructing you to depress the **<** button to choose the item to be set. The chosen item will flash on and off.

Ceci vous dit d'appuyer sur la touche **<** pour choisir l'élément à régler. L'élément choisi clignotera.

This tells you that this display is for programming.

Ceci vous indique que cet affichage est pour la programmation.

```

PROGRAM 2
FROM --- TO ---
PS ---

```

PROGRAM →B  
RECALL →D  
SELECT PROGRAM NO. →A

This is instructing you to depress the **□** button to recall a program.

Ceci vous dit d'appuyer sur la touche **□** pour rappeler un programme.

This is instructing you to depress the **□** button to display the information for programming.

Ceci vous dit d'appuyer sur la touche **□** pour afficher les informations pour la programmation.



# How to program the Akai VS-6 for automatic recording

## Comment programmer le VS-6 Akai pour un enregistrement automatique

# 1

Depress the PROGRAM button to display the information for programming on your TV screen.

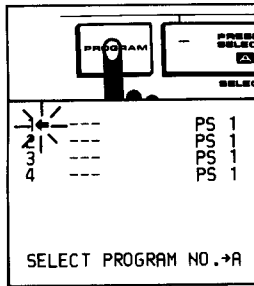
Appuyez sur la touche PROGRAM pour afficher les informations pour la programmation sur votre écran de télévision.

Are you ready?

Etes-vous prêt?



LET'S START  
COMMENÇONS



# 2 PROGRAM NO.

## No. de PROGRAMME

# 3

To follow the instruction "SELECT PROGRAM NO. → A", hold the ->+ button depressed until the arrow points to the program number you want to set.

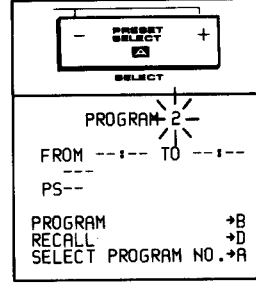
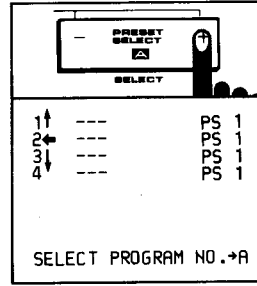
\* To set program 2, depress the ->+ button just once.

Suivant l'instruction "SELECT PROGRAM NO. → A", maintenez la touche ->+ enclenchée jusqu'à ce que la flèche pointe vers le numéro de programme que vous voulez régler.

\* Pour régler le programme 2, appuyez une seule fois sur la touche ->+.

This information will be displayed when the ->+ button is released.

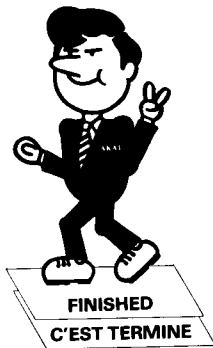
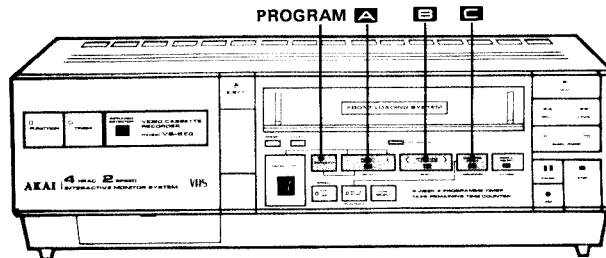
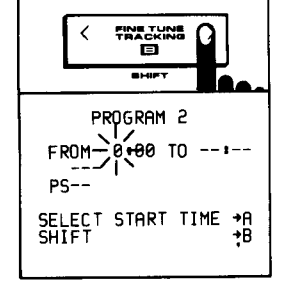
Cette information sera affichée lorsque la touche ->+ est relâchée.



# 4

To follow the instruction "PROGRAM → B", depress the < button to start programming.

Suivant l'instruction "PROGRAM → B", appuyez sur la touche < pour démarrer la programmation.



FINISHED  
C'EST TERMINÉ

# 18 MEMORIZE

## MEMORISATION

# 17 PS NO.

## NO. DE STATION PREREGLEE

Programming is now finished. To follow the instruction "IF OK, MEMORIZE → C", depress the < button to memorize the program.

To set other programs, repeat the procedure from step 2. To reset or cancel a memorized program, refer to page 30 and 31.

La programmation est maintenant terminée.

Suivant l'instruction "IF OK, MEMORIZE → C", appuyez sur la touche < pour mémoriser le programme.

Répétez les opérations à partir du n° 2 pour programmer d'autres programmes.

Pour réinitialiser ou annuler un programme mémorisé, reportez-vous pages 30 et 31.

To follow the instruction "SELECT PS NO. → A", depress the ->+ button to select the preset channel number.

VS-6EG: 1, 2, 3, 4, ..... up to 8  
VS-6EO: 1, 2, 3, 4, ..... up to 12

Suivant l'instruction "SELECT PS NO. → A", appuyez sur la touche ->+ pour sélectionner le numéro de station préréglée.

VS-6EG: 1, 2, 3, ..... jusqu'à 8  
VS-6EO: 1, 2, 3, ..... jusqu'à 12

# 16

To follow the instruction "SHIFT → B", depress the < button to shift to the next item to be set: preset channel (PS) number memorized with the TV station to be recorded.

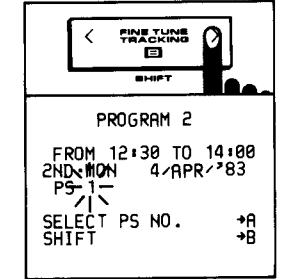
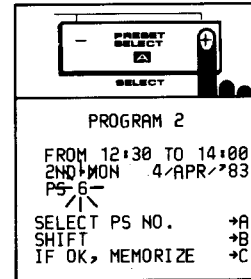
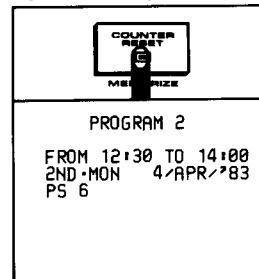
Suivant l'instruction "SHIFT → B", appuyez sur la touche < pour passer à l'élément suivant à régler: le numéro de station préréglée (PS) mémorisé avec la station de télévision à enregistrer.

### NOTE:

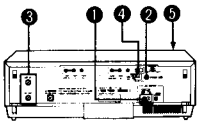
If you want to remove the programming display from your screen, depress the PROGRAM button again.

### REMARQUE:

Pour annuler la fonction de programmation, appuyez à nouveau sur la touche PROGRAM. L'affichage disparaîtra de l'écran de télévision.



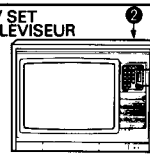
AKAI VS-6



Check before starting  
Vérifiez avant de commencer

- 1 Power cord is properly connected to the household AC outlet.  
Le cordon secteur est correctement connecté à la sortie CA murale.
- 2 POWER switch is set to ON ( ).  
Le commutateur d'alimentation (POWER) est sous tension (ON )
- 3 All the components are properly connected.  
Tous les éléments sont correctement connectés.
- 4 Video mode selector is set properly.  
Le sélecteur de mode vidéo est correctement réglé.
- 5 FUNCTION button is turned on.  
La touche de fonction (FUNCTION) est sous tension.

TV SET  
TELEVISEUR



- 1 Turned on.  
Sous tension.
- 2 Properly connected.  
Correctement connecté.
- 3 Set to the video channel.  
Réglé sur le canal vidéo.

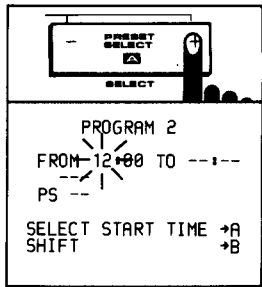
## 5 START TIME HOURS HEURES DE L'HEURE DE DEMARRAGE

To follow the instruction "SELECT START TIME → A", depress the button to select the turn-on hour.

0, 1, 2, ..... up to 23

Suivant l'instruction "SELECT PROGRAM NO. → A", maintenez la touche enclenchée jusqu'à ce que la flèche pointe vers le numéro de programme que vous voulez régler.

0, 1, 2, ..... jusqu'à 23



## 6

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: start time minutes.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: les minutes de l'heure de démarrage.

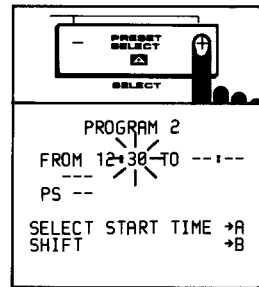
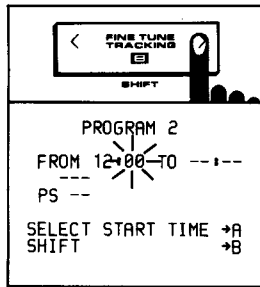
## 7 START TIME MINUTES MINUTES DE L'HEURE DE DEMARRAGE

To follow the instruction "SELECT START TIME → A", depress the button to select the start time minutes.

00, 01, 02, ..... up to 59

Suivant l'instruction "SELECT START TIME → A", appuyez sur la touche pour sélectionner les minutes de l'heure de mise sous tension.

00, 01, 02, ..... jusqu'à 59



## 8

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: stop time hours.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: les heures de l'heure de mise hors circuit.

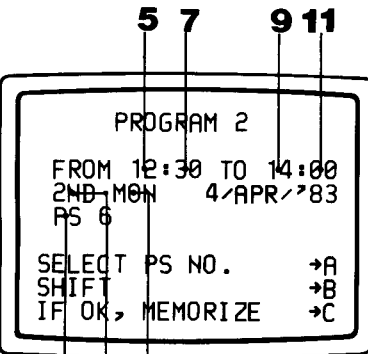
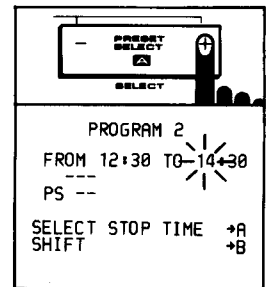
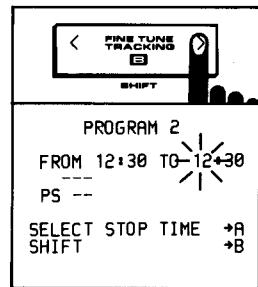
## 9 STOP TIME HOURS HEURES DE L'HEURE D'ARRET

To follow the instruction "SELECT STOP TIME → A", depress the button to select the turn-off hour.

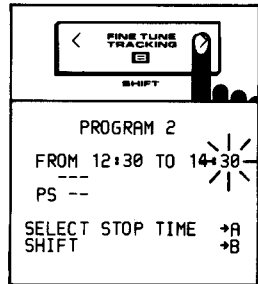
0, 1, 2, ..... up to 23

Suivant l'instruction "SELECT STOP TIME → A", appuyez sur la touche pour sélectionner les heures de mise hors circuit.

0, 1, 2, ..... jusqu'à 23



## 10



To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: stop time minutes.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: les minutes de l'heure de mise hors circuit.

## 15 DAY OF WEEK JOUR DE LA SEMAINE

To follow the instruction "SELECT DAY → A", depress the button to select the day.

\* When the day of the week is set, the corresponding date will be displayed.

SUN, MON, TUE, WED,  
THU, FRI or SAT

Suivant l'instruction "SELECT DAY → A", appuyez sur la touche pour sélectionner le jour.

\* Lorsque le jour de la semaine est réglé, la date correspondante sera affichée.

DIM, LUN, MAR, MER,  
JEU, VEN ou SAM

17 13 15

## 14

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: day of the week.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: le jour de la semaine.

## 13 WEEK SEMAINE

To follow the instruction "SELECT DAY → A", depress the button to select the week.

1ST, 2ND, 3RD or 4TH

Suivant l'instruction "SELECT DAY → A", appuyez sur la touche pour sélectionner la semaine.

1ère (1ST), 2ème (2ND),  
3ème (3RD), ou 4ème (4TH)

## 12

To follow the instruction "SHIFT → B", depress the button to shift to the next item to be set: week.

Suivant l'instruction "SHIFT → B", appuyez sur la touche pour passer à l'élément suivant à régler: la semaine.

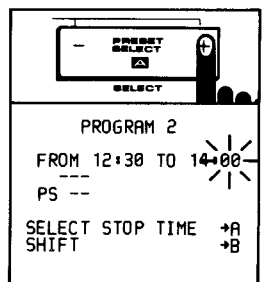
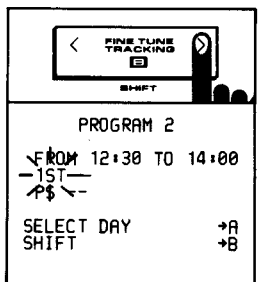
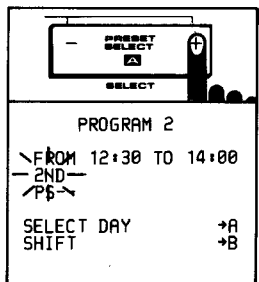
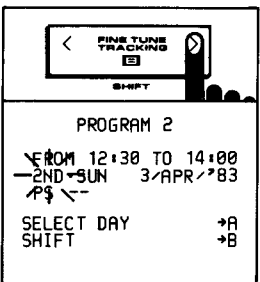
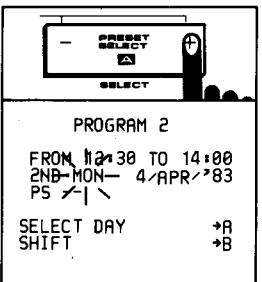
## 11 STOP TIME MINUTES MINUTES DE L'HEURE D'ARRET

To follow the instruction "SELECT STOP TIME → A", depress the button to select the stop time minutes.

00, 01, 02, ..... up to 59

Suivant l'instruction "SELECT STOP TIME → A", appuyez sur la touche pour sélectionner les minutes de l'heure de mise hors circuit.

00, 01, 02, ..... jusqu'à 59





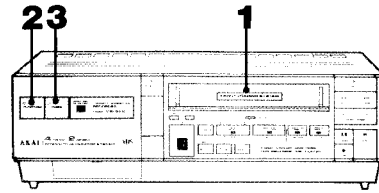
# Let's ready the Akai VS-6 for automatic recording

## Réglons le VS-6 Akai pour un enregistrement automatique

- If you want to automatically record an index (date, time and preset channel), repeatedly depress the **INDEX** button until a display containing the day of the week and the actual time is displayed on the TV screen.
- Si vous voulez enregistrer automatiquement un index (date, heure et station pré-réglée), appuyez de façon répétée sur la touche **INDEX** jusqu'à ce qu'un affichage contenant le jour de la semaine et l'heure réelle soit obtenu sur l'écran de télévision.

<p>AKAI VS-6</p> <p><b>Check before starting</b> <b>Vérifiez avant de commencer</b></p>	①	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
	②	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
	③	All the components are properly connected. Tous les éléments sont correctement connectés.
	④	Video mode selector is set properly. Le sélecteur de mode vidéo est correctement réglé.
	⑤	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.
	⑥	SPEED selector is set. Le sélecteur de vitesse (SPEED) est réglé.
	⑦	TAPE SELECT button is set. La touche de sélection de bande (TAPE SELECT) est réglée.

<p>TV SET TELEVISEUR</p>	①	Turned on. Sous tension.
	②	Properly connected. Correctement connecté.
	③	Set to video channel. Réglé sur le canal vidéo.



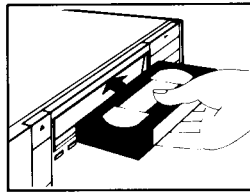
# 1

Insert a video cassette tape.

- \* Confirm that the recording defeat tab is not broken. If it is, cover the hole with a piece of adhesive tape.

**NOTE:**

Make sure that the video cassette tape is long enough for the duration of automatic recording.



# 1

Insérez une bande cassette vidéo.

- \* Vérifiez que la languette de protection contre l'enregistrement n'est pas cassée. Si elle l'est, recouvrez la cavité d'un morceau de ruban adhésif.

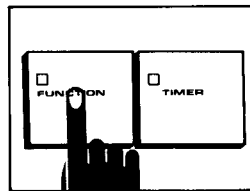
**REMARQUE:**

Assurez-vous que la bande cassette vidéo est assez longue pour la durée de l'enregistrement automatique.

# 2

Depress the FUNCTION button to turn off the Akai VS-6.

- \* Confirm that its indicator is off.



# 2

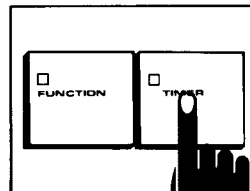
Appuyez sur la touche de fonction (FUNCTION) pour mettre le VS-6 hors circuit.

- \* Vérifiez que son indicateur est éteint.

# 3

Depress the TIMER button to make the Akai VS-6 standby for automatic recording.

- \* Confirm that its indicator is on.



# 3

Appuyez sur la touche minuterie (TIMER) pour mettre le VS-6 Akai en attente d'enregistrement automatique.

- \* Vérifiez que son indicateur est allumé.

**NOTE:**

You can watch a TV program during automatic recording by setting the TV itself to the channel you want.

- \* Turn off the TV if you are not going to watch a program.

The Akai VS-6 will turn on 6 seconds before the programmed turn on time. One second later, it will automatically start recording and at the programmed turn off time, it will stop recording and turn itself off.



**REMARQUE:**

Vous pouvez regarder une émission pendant un enregistrement automatique en réglant le téléviseur lui-même sur la chaîne désirée.

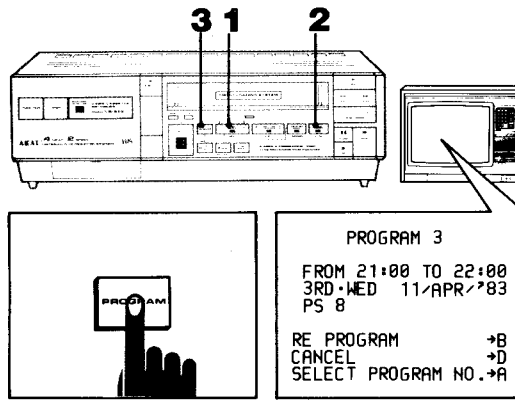
- \* Mettez le téléviseur hors circuit si vous n'allez pas regarder une émission.

Le VS-6 se mettra sous tension 6 secondes avant l'heure de mise sous tension programmée. Une seconde plus tard, il commencera automatiquement l'enregistrement, il arrêtera l'enregistrement et se mettra hors circuit à l'heure de mise hors circuit programmée.

## If you want to confirm a program

Depress the PROGRAM button.

The week, day of the week, start time and preset channel number of each program will be displayed. "-" indicates that the program is not set, was canceled or automatic recording was carried out.



## Pour vérifier un programme

Appuyez sur la touche PROGRAM.

La semaine, le jour de la semaine, l'heure de démarrage et le numéro de station pré-réglée de chaque programme seront affichés. "-" indique que le programme n'est pas réglé, qu'il a été annulé ou que l'enregistrement automatique s'est effectué.

To confirm a program in more detail; Follow the instruction "SELECT PROGRAM NO. → A", by holding the ->+ button depressed until the arrow points to the program you want to confirm. To confirm other programs; Follow the instruction "SELECT PROGRAM NO. → A", by depressing the ->+ button. To remove the programming display from your TV screen, depress the PROGRAM button.

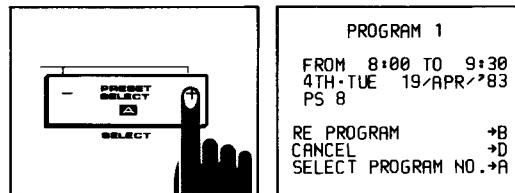
Pour vérifier un programme plus en détails, suivant l'instruction "SELECT PROGRAM NO. → A", appuyez sur la touche ->+ jusqu'à ce que la flèche pointe vers le programme que vous voulez vérifier. Pour vérifier d'autres programmes, suivant l'instruction "SELECT PROGRAM NO. → A", appuyez sur la touche ->+ . Pour faire disparaître l'affichage de programmation de votre écran de télévision, appuyez sur la touche PROGRAM.

## To cancel a program after it has been memorized

Depress the PROGRAM button.

# 1

To follow the instruction "SELECT PROGRAM NO. → A", depress the ->+ button until the arrow points to the program you want to cancel.

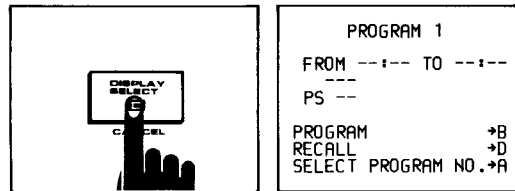


# 1

Suivant l'instruction "SELECT PROGRAM NO. → A", appuyez sur la touche ->+ jusqu'à ce que la flèche pointe vers le programme que vous voulez annuler.

# 2

To follow the instruction "CANCEL → D", depress the < button to cancel the program. To reprogram, repeat the programming procedure from step 4.



# 2

Suivant l'instruction "CANCEL → D", appuyez sur la touche < pour annuler le programme. Pour reprogrammer, répétez la méthode de programmation à partir du point 4.

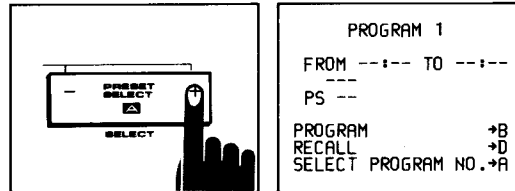
## If you want to recall a finished or canceled program

Depress the PROGRAM button.

When an automatic recording has been carried out according to a program "-" will be displayed beside its program number when the PROGRAM button is depressed. To recall the program so that automatic recording can be again carried out according to the program's instructions:

# 1

Follow the instruction "SELECT PROGRAM NO. → A", by depressing the ->+ button until the arrow points to the program you want to recall.

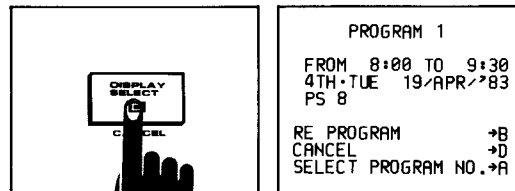


# 1

Suivant l'instruction "SELECT PROGRAM NO. → A", appuyez sur la touche ->+ jusqu'à ce que la flèche pointe vers le programme que vous voulez rappeler.

# 2

To follow the instruction "RECALL → D", depress the < button to recall the program. Same thing applies for cancelled programs.

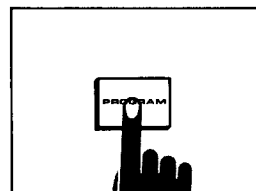


# 2

Suivant l'instruction "RECALL → D", appuyez sur la touche < pour rappeler le programme. La même chose s'applique aux programmes annulés.

# 3

To remove the programming display from your screen, depress the PROGRAM button.

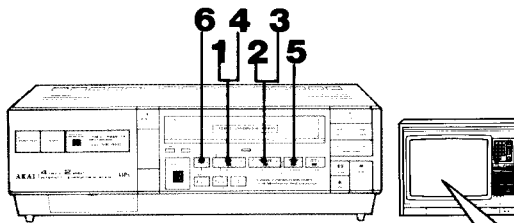


# 3

Pour faire disparaître l'information, appuyez sur la touche PROGRAM.

## To reset a program after it has been memorized

Depress the PROGRAM button.

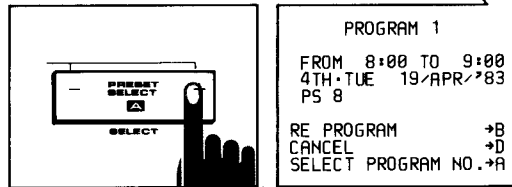


## Pour réinitialiser un programme après qu'il a été mémorisé

Appuyez sur la touche PROGRAM.

# 1

Follow the instruction "SELECT PROGRAM NO. → A", by depressing the **->+** button until the arrow points to the program you want to reset.

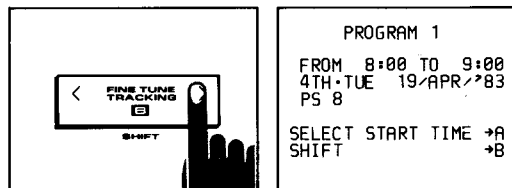


# 1

Suivant l'instruction "SELECT PROGRAM NO. → A", appuyez sur la touche **->+** jusqu'à ce que la flèche pointe vers le programme que vous voulez réinitialiser.

# 2

Follow the instruction "RE PROGRAM → B", by depressing the **>** side of the **<>** button.

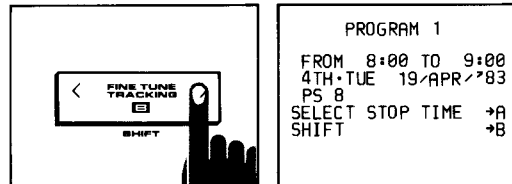


# 2

Suivant l'instruction "PROGRAM → B", appuyez sur le côté **>** de la touche **<>**.

# 3

To follow the instruction "SHIFT → B", depress the **<>** button until the item you want to reset flashes on and off.

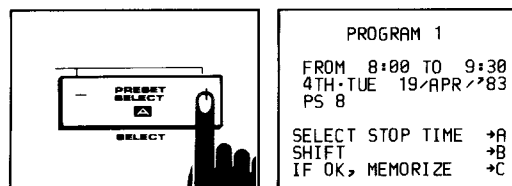


# 3

Suivant l'instruction "SHIFT → B", appuyez sur la touche **<>** jusqu'à ce que l'élément que vous voulez réinitialiser clignote.

# 4

Then to follow the instruction "SELECT START TIME/ STOP TIME/DAY/PS NO. → A", depress the **->+** button and reset the item. Reset other items in the same manner. After you have reset all the items, go to the next step.



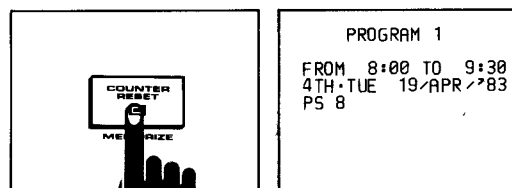
# 4

Puis, suivant l'instruction "SELECT START TIME/STOP TIME/DAY/PS NO. → A", appuyez sur la touche **->+** et réinitialisez l'élément. Réinitialisez les autres éléments de la même manière. Après avoir réinitialisé tous les éléments, passez à l'étape suivante.

# 5

To follow the instruction "IF OK, MEMORIZE → C", depress the **MEMORIZE** button.

**NOTE:**  
During programming, any item can be reset by using the **<>** and **->+** buttons in the same manner.



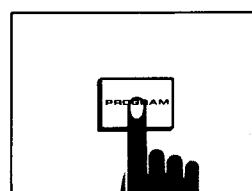
# 5

Suivant l'instruction "IF OK, MEMORIZE → C", appuyez sur la touche **MEMORIZE**.

**REMARQUE:**  
Pendant la programmation, tout élément peut être réinitialisé en utilisant les touches **<>** et **->+** de la même manière.

# 6

To remove the programming display from your screen, depress the PROGRAM button.



# 6

Pour faire disparaître l'affichage de programmation, appuyez sur la touche PROGRAM.





# An example of 4-week timer setting

## Un exemple de réglage de minuterie pour 4 semaines

"4-week" pre-setting means that you can "reserve" recording time on any one of 28 days in advance including the day of setting. This means that beginning with today, you can pre-program your Akai VS-6 to automatically record at any time on any day for 28 days.

For example, let's say that today is Monday AUG. 1st and you wish to preset a recording time for later on tonight. Then set the week and day for "1st Monday" which will mean today (AUG. 1st). So now it follows that if you want to pre-set time for next Monday (AUG. 8th), you will set the week and day for "2nd Monday" and so on for "3rd Monday" (AUG. 15th) and "4th Monday" (AUG. 22nd). The same thing applies to the other days of the week.

Now let's say it's Tuesday AUG. 2nd at 9:00 PM and you want to pre-set recording time for 8:00 PM the following Tuesday (AUG. 9th). Since it is already past 8:00 PM today (AUG. 2nd) when you are doing the setting, you must set the week and day for "1st Tuesday" since the 1st Tuesday you can record at 8:00 PM is now next week (AUG. 9th). In other words, "1st Tuesday" means the first Tuesday you can record at the time desired. The same thing applies to the other days of the week.

August 1983 Août 1983						
SUN DIM	MON LUN	TUE MAR	WED MER	THE JEU	FRI VEN	SAT SAM
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
September 1983 Septembre 1983						
				1	2	3
4	5	6	7	8	9	10

Une capacité de pré-réglage de "4 semaines" signifie qu'il vous est possible de "réserver" à l'avance l'heure d'enregistrement pour n'importe lequel de 28 jours, y compris le jour de réglage. Ceci signifie, qu'à partir d'aujourd'hui, vous pouvez préprogrammer votre VS-6 Akai pour qu'il effectue automatiquement un enregistrement à n'importe quelle heure, n'importe quel jour, sur 28 jours.

Par exemple, supposons qu'aujourd'hui soit le lundi 1er août et que vous désirez pré-régler une heure d'enregistrement pour ce même soir, plus tard. Vous devez alors régler la semaine et le jour sur 1er lundi "1st Monday", ce qui signifie aujourd'hui 1er août. Il s'ensuit donc que si vous voulez pré-régler un enregistrement pour lundi prochain (8 août), vous devez alors régler la semaine et le jour sur 2ème lundi "2nd Monday"; de même pour 3ème lundi "3rd Monday" (15 août) et 4ème lundi "4th Monday" (22 août). La même chose s'applique aux autres jours de la semaine.

Supposons maintenant que nous soyons le mardi 2 août à 21 heures et que vous désirez pré-régler une heure d'enregistrement pour 20 heures (8:00 PM) le mardi suivant (9 août). Puisqu'il est déjà plus de 20 heures aujourd'hui (2 août) lorsque vous allez effectuer le réglage, vous devez régler la semaine et le jour sur 1er mardi "1st Tuesday" puisque le 1er mardi où il est possible de faire un enregistrement à 20 heures (8:00 PM) est la semaine suivante (9 août). En d'autres mots, 1er mardi "1st Tuesday" signifie le premier mardi où vous pouvez enregistrer à l'heure désirée. La même chose s'applique aux autres jours de la semaine.

### NOTE:

The real time counter in the Akai VS-6, uses a 24 hour notation system following the example:

- 1:00 AM = 1:00
- 12:00 PM = 12:00
- 1:00 PM = 13:00
- 2:00 PM = 14:00
- 12:00 AM = 0:00

### REMARQUE:

Le compteur en temps réel du VS-6 Akai utilise un système de notation par 24 heures comme dans l'exemple suivant:

- 1:00 AM = 1:00
- 12:00 PM = 12:00
- 1:00 PM = 13:00
- 2:00 PM = 14:00
- 12:00 AM = 0:00

## PROGRAM LIST

### Liste des programmes

#### For VS-6EG Pour le VS-6EG

Program No. Programme n°	Channel Chaîne	TV program Emission de télévision	Date Date	Start time Heure de démarrage	Stop time Heure d'arrêt	Memo Mémo
1						
2						
3						
4						

#### For VS-6EO Pour le VS-6EO

Program No. Programme n°	Channel Chaîne	TV program Emission de télévision	Date Date	Start time Heure de démarrage	Stop time Heure d'arrêt	Memo Mémo
1						
2						

### IMPORTANT

#### Program priority

- If two programs are set to turn on at the same day and time the smaller program number has priority.
- If two programs overlap, the earlier program will be interrupted by the latter one.

### IMPORTANT

#### PRIORITE DES PROGRAMMES

- Si deux programmes sont réglés pour se mettre sous tension le même jour à la même heure, le programme ayant le plus petit numéro a la priorité.
- Si deux programmes se chevauchent, le premier programme sera interrompu par le second.



# Let's make your Akai VS-6 stop recording and turn itself off Réglage du VS-6 Akai pour qu'il arrête l'enregistrement

**AKAI VS-6**

1	Power cord is properly connected to the household AC outlet. Le cordon secteur est correctement connecté à la sortie CA murale.
2	POWER switch is set to ON (  ). Le commutateur d'alimentation (POWER) est sous tension (ON  ).
3	FUNCTION button is turned on. La touche de fonction (FUNCTION) est sous tension.
4	All the components are properly connected. Tous les éléments sont correctement connectés.
5	Video mode selector is set properly. Le sélecteur de mode vidéo est correctement réglé.
6	A video cassette tape is loaded. Une bande cassette vidéo est chargée.
7	SPEED selector is set. Le sélecteur de vitesse (SPEED) est réglé.
8	Select the preset channel number memorized with the TV station you want to record by depressing the  + button. Sélectionnez le numéro de station pré-réglée mémorisé avec la station de télévision à enregistrer en appuyant sur la touche  +.
9	TAPE SELECT button is set. La touche de sélection de bande (TAPE SELECT) est réglée.

**Check before starting  
Vérifiez avant de commencer**

**TV SET  
TELEVISEUR**

1	Turned on. Sous tension.
2	Properly connected. Correctement connecté.
3	Set to the video channel. Réglé sur le canal vidéo.

The Akai VS-6 can be set to stop recording and turn itself off automatically when you have to leave before the program you are recording is finished. We call this turn off time "SLEEP TIME".

Le VS-6 Akai peut être réglé pour arrêter l'enregistrement et se mettre automatiquement hors circuit lorsque vous devez partir avant que l'émission que vous êtes en train d'enregistrer soit finie. Nous appelons cette heure de mise hors circuit "heure sommeil".

**On the Sleep time display  
Sur l'affichage de l'heure sommeil**

This tells you that the display is for sleep time.  
Ceci vous indique que l'affichage est pour l'heure sommeil.

This tells you the actual time.  
Ceci vous indique l'heure présente.

This tells you the time at which the Akai VS-6 is to turn itself off (i.e. sleep time).  
Ceci vous indique l'heure à laquelle le VS-6 Akai se mettra hors circuit (c'est-à-dire l'heure sommeil).

SLEEP  
NOW 20:13  
STOP 21:00

SELECT STOP TIME →A  
SHIFT →B  
IF OK, MEMORIZE →C

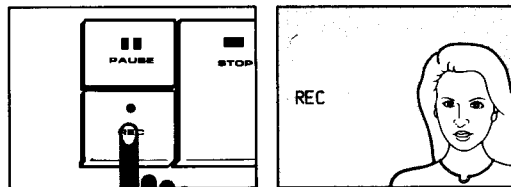
This is instructing you to depress the + button to select the indication for the flashing item.  
Ceci vous dit d'appuyer sur la touche + pour sélectionner l'indication pour l'élément clignotant.

This is instructing you to depress the button to choose the item to be set. The chosen item will flash on and off.  
Ceci vous dit d'appuyer sur la touche pour choisir l'élément à régler. L'élément choisi clignotera.

This is instructing you to depress the button to memorize the sleep time.  
Ceci vous dit d'appuyer sur la touche pour mémoriser l'heure sommeil.

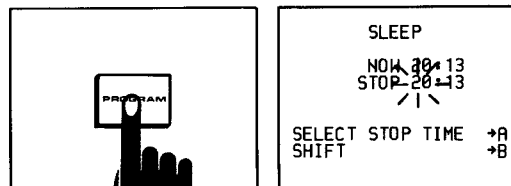
## How to set sleep time

**1**  
Depress the REC ( ● ) button for at least 1 second to record a TV program.  
\* "REC" will be displayed on your TV screen for 3 seconds.



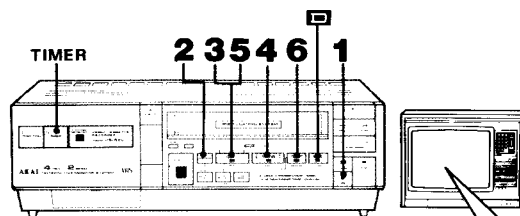
**1**  
Appuyez pendant au moins 1 seconde sur la touche d'enregistrement (REC ●) pour enregistrer une émission de télévision.  
\* "REC" sera affiché pendant 3 secondes sur votre écran de télévision.

**2**  
Depress the PROGRAM button to display the information for setting the sleep time on your TV screen.



**2**  
Appuyez sur la touche PROGRAM pour afficher les informations pour le réglage de l'heure sommeil.

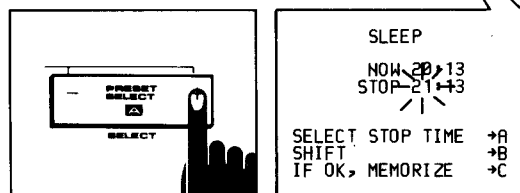
# off automatically at a programmed time et se mette automatiquement hors circuit à une heure programmée



## 3 STOP TIME HOURS

To follow the instruction "SELECT STOP TIME → A", depress the **->+** button to select the stop time hours.

0, 1, 2 ..... up to 23



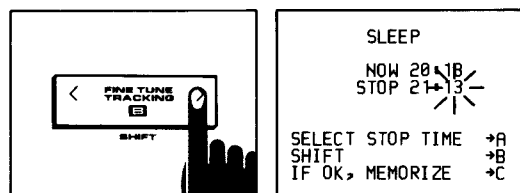
## 3 HEURES DE L'HEURE D'ARRET

Suivant l'instruction "SELECT STOP TIME → A", appuyez sur la touche **->+** pour sélectionner les heures de mise hors circuit.

0, 1, 2, ..... jusqu'à 23

## 4

To follow the instruction "SHIFT → B", depress the **<>** button to shift to the next item to be set: stop time minutes.



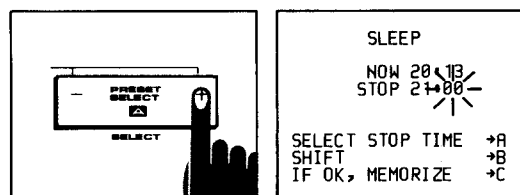
## 4

Suivant l'instruction "SHIFT → B", appuyez sur la touche **<>** pour passer à l'élément suivant à régler: les minutes de l'heure de mise hors circuit.

## 5 STOP TIME MINUTES

To follow the instruction "SELECT STOP TIME → A", depress the **->+** button to select the stop time minutes.

00, 01, 02, ..... up to 59



## 5 MINUTES DE L'HEURE D'ARRET

Suivant l'instruction "SELECT STOP TIME → A", appuyez sur la touche **->+** pour sélectionner les minutes de l'heure de mise hors circuit.

00, 01, 02, ..... jusqu'à 59

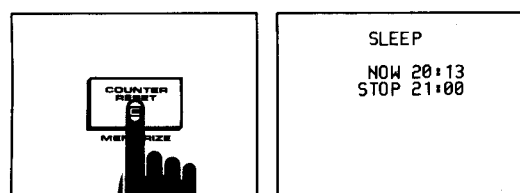
## 6 MEMORIZE

The procedure is now finished. To follow the instruction "IF OK, MEMORIZE → C", depress the **<=>** button to memorize the sleep time.

The TIMER button's indicator will light in addition to the FUNCTION button indicator. Once this operation has been completed, all the buttons will become inoperative.

\* Don't forget to turn off the TV. The Akai VS-6 will stop recording and turn itself off at the programmed sleep time.

After sleep time operation, depress the TIMER button. The indicator will go off. To operate the Akai VS-6 again, depress the FUNCTION button. Its indicator will turn on.



## 6 MEMORISATION

La programmation est maintenant terminée. Suivant l'instruction "IF OK, MEMORIZE → C", appuyez sur la touche **<=>** pour mémoriser l'heure sommeil.

L'indicateur de la touche minuterie (TIMER) s'allumera, en plus de l'indicateur de la touche de fonction (FUNCTION). Une fois que cette opération est terminée, toutes les touches deviendront inopérantes.

\* N'oubliez pas de mettre le téléviseur hors circuit. Le VS-6 arrêtera l'enregistrement et se mettra hors circuit à l'heure sommeil programmée.

Après la fonction heure sommeil, appuyez sur la touche minuterie (TIMER). L'indicateur s'éteindra. Pour utiliser à nouveau le VS-6 Akai, appuyez sur la touche de fonction (FUNCTION). Son indicateur s'allumera.

### For instant confirmation of sleep time

Whether or not you can keep track of Sleep Time will depend on which information display mode was picked prior to sleep time setting. If the Tape Counter or Tape Remaining modes were selected before depressing the Program button in step 2, only that information will be displayed once sleep timer operation begins. To keep track of sleep time:

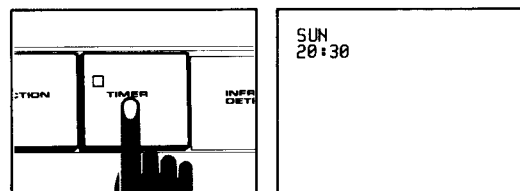
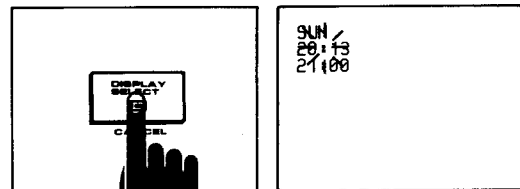
Before depressing the Program button, repeatedly depress the **<=>** button to display either the Day and Time display, the Counter, Day and Time display, or the Tape Remaining, Day and Time display. (Nos. 1, 3 and 5 respectively on page 17). After you set the sleep time and depress the **<=>** button to memorize, the VS-6 will continue to show one of the three information displays chosen, plus the sleep time.

### How to cancel the sleep time operation

Depress the TIMER button. Its indicator will go off and the sleep time operation will be canceled.

#### NOTE:

If the tape ends before the programmed sleep time, the tape will rewind to the beginning and stop. When the tape has stopped, sleep time operation will be canceled but the Akai VS-6 will not turn itself off. Therefore make sure that the length of the tape is longer than the sleep time.



### Pour une vérification instantanée de l'heure sommeil

La possibilité de conserver ou non l'heure sommeil dépend du mode d'affichage d'information qui était engagé avant le réglage de l'heure sommeil. Si le mode de compteur de bande ou de temps restant sur la bande était sélectionné avant d'appuyer sur la touche de programme à l'étape 2, seule cette information sera affichée une fois que la fonction heure sommeil commence. Pour conserver l'heure sommeil:

Avant d'appuyer sur la touche de programme, appuyez de façon répétée sur la touche **<=>** pour obtenir soit l'affichage jour et heure, soit l'affichage compteur, jour et heure, soit l'affichage temps restant sur la bande, jour et heure (respectivement n° 1, 3 et 5 page 17). Après avoir réglé l'heure sommeil et appuyé sur la touche **<=>** pour la mémoriser, le VS-6 continuera à indiquer l'un des trois affichages d'information, plus l'heure sommeil.

### Pour annuler la fonction heure sommeil

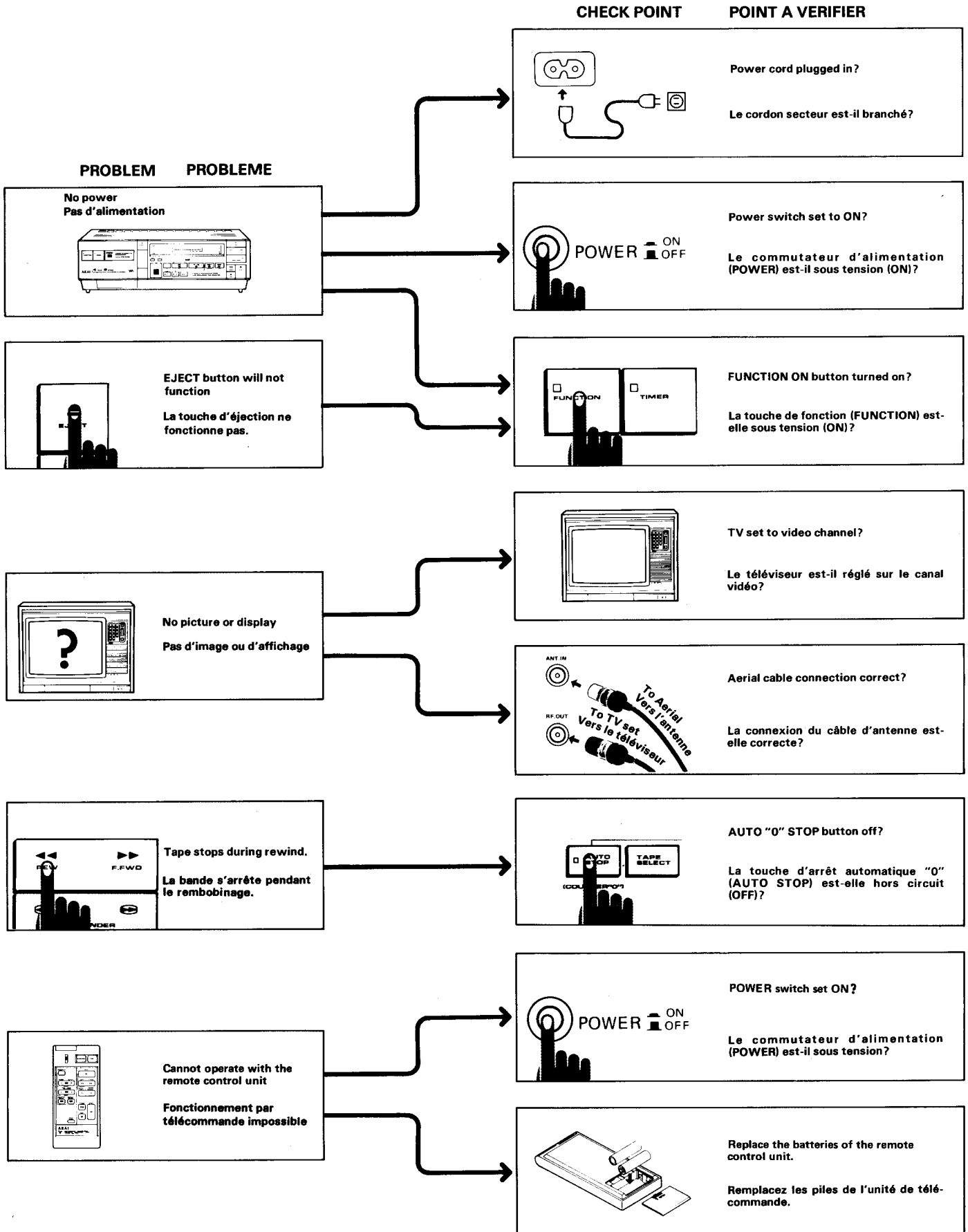
Appuyez sur la touche minuterie (TIMER). Son indicateur s'éteindra et la fonction heure sommeil sera annulée.

#### REMARQUE:

Si la bande se termine avant la fin de l'heure sommeil, elle se rembobine jusqu'à son début et s'arrête. Lorsque la bande s'est arrêtée, la fonction heure sommeil sera annulée, mais le VS-6 Akai ne se mettra pas hors circuit. Il faut donc vous assurer que la longueur de la bande est suffisante pour la durée de l'heure

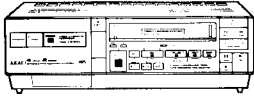


# Problem? Let's check Des problèmes? Vérifiez



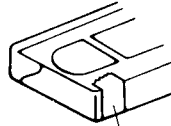
**PROBLEM PROBLEME**

No recording  
Pas d'enregistrement



**CHECK POINT**

**POINT A VERIFIER**



Cover to record  
Recouvrir la cavité pour enregistrer

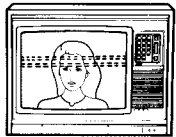
Recording defeat tab broken?  
Cover the opening with tape to record.

La languette de protection contre l'enregistrement est-elle cassée?  
Recouvrez la cavité pour enregistrer



Recording button depressed after pause during stop?  
Depress the REC (●) button again.

La touche d'enregistrement a-t-elle été enclenchée à partir de la pause pendant l'arrêt?  
Appuyez à nouveau sur la touche d'enregistrement (REC ●)

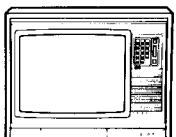


Disturbances in playback picture  
Parasites sur l'image reproduite



**TRACKING**

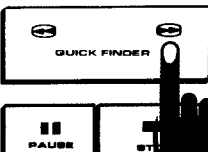
Alignement (TRACKING)



Automatic recording or sleep time operation will not take place.  
La fonction d'enregistrement automatique ou celle d'heure sommeil ne s'effectue pas.



Refer to pages 27-28 and 33-34 for correct programming procedure.  
Reportez-vous aux pages 27-28 et 33-34 pour la méthode correcte de programmation.



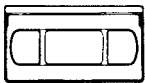
Quick finder will not function.  
La recherche rapide ne fonctionne pas.



Is the VS-6 in playback mode?

Le VS-6 est-il sur le mode de reproduction?

Concerning video cassette tape  
En ce qui concerne la bande cassette vidéo.



Only tapes marked VHS can be used with the Akai VS-6. VHS tapes are available from your Akai dealer.

Seules des bandes VHS peuvent être utilisées avec le VS-6 Akai. Des bandes VHS sont en vente chez votre concessionnaire Akai.



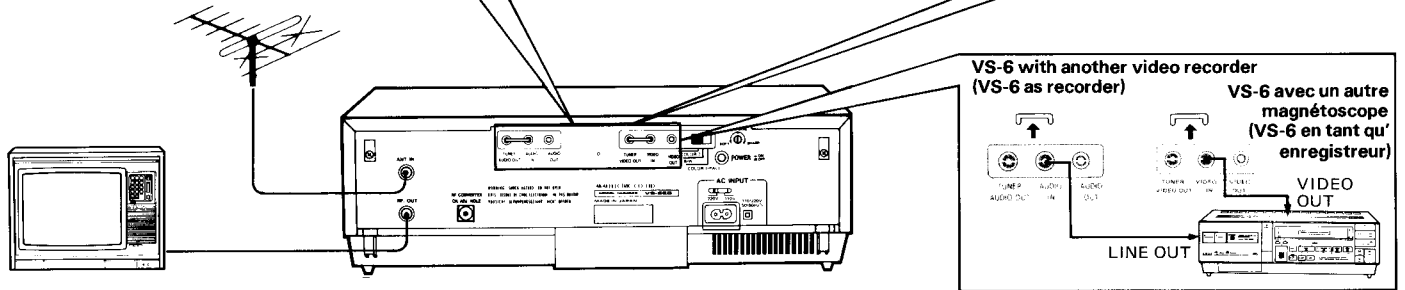
# Expanding your home video centre Expansion de votre centre vidéo

When you're ready to expand your video enjoyment, the Akai VS-6 is ready for you.

Consult the operators manuals of your other components for operation details.

Lorsque vous voulez accroître votre plaisir vidéo, le VS-6 est déjà prêt.

Consultez les manuels de l'utilisateur de vos autres éléments pour les détails d'utilisation.



## Final Notes

### Power failure

When a power failure occurs, the Akai VS-6 will stop keeping time. When power is resumed, the Akai VS-6 will again start keeping time. To warn you that the time is slow, the information for setting the timer to the actual time will be displayed on the TV screen when the Akai VS-6 is turned on. In that case reset the timer following the procedure on page 11.

### Memory back up

There are rechargeable batteries inside the Akai VS-6 for the station and program memories. The memories are retained even during a power failure. The memory back-up batteries are recharged as long as the rear panel POWER switch is set to ON. It takes about two days to fully charge the batteries which will then supply power for about three days.

### Note

When the power is cut off for three days or more, confirm the actual time, the preset channels and the programs. If the indication is wrong or if error is indicated, reset all the preset information again, starting with the actual time.

### Maintenance

When a dirty tape is used, dirt will accumulate on the video heads. This will cause disturbances on the TV screen which cannot be eliminated with the Akai VS-6's tracking or the TV's fine tuning control. If this should occur, the heads as well as other internal parts must be cleaned. As the equipment is a finely precisioned instrument, never open the equipment yourself. Take it to a qualified service shop or to an authorized Akai Service Station to be cleaned.

\* Akai does not recommend the use of cleaning tape.

Should a problem persist, write down the model and serial numbers and all pertinent data regarding warranty coverage as well as a clear description of the existing trouble and contact your nearest authorized Akai Service Station or the Service Department of Akai Electric Company, Tokyo, Japan.

## Notes finales

### Panne de courant

Lorsqu'une panne de courant se produit, la minuterie du VS-6 Akai s'arrêtera de fonctionner. Lorsque le courant est réappliqué, elle recommencera à fonctionner. Pour avertir que la minuterie retarde, l'affichage pour le réglage de la minuterie à l'heure réelle sera indiqué sur l'écran de télévision lorsque le VS-6 Akai est mis sous tension. Dans ce cas, réinitialisez la minuterie conformément au procédé de la page 11.

### Soutien de la mémoire

Il y a une batterie rechargeable à l'intérieur du VS-6 Akai pour les mémoires de station et de programme. Les mémoires sont conservées même pendant une panne de courant. La batterie rechargeable de soutien de la mémoire est rechargée aussi longtemps que le commutateur d'alimentation (POWER) situé sur le panneau arrière est réglé sur marche (ON). Il faut environ deux jours pour recharger entièrement la batterie qui fournira alors une alimentation pendant environ trois jours.

### Remarque

Lorsque l'alimentation est coupée pendant trois jours ou plus, vérifiez l'heure réelle, les stations préréglées et les programmes. Si l'indication est erronée ou si "erreur" est indiqué, réinitialisez toutes les données préréglées, en commençant avec l'heure réelle.

### Entretien

Lorsqu'une bande sale est utilisée, des saletés s'accumuleront sur les têtes vidéo. Ceci provoquera des parasites sur l'écran de télévision, parasites qui ne peuvent pas être éliminés avec la commande d'accord fin du téléviseur ou celle de réglage de l'alignement du VS-6 Akai. Dans le cas où cela se produit, les têtes ainsi que les autres pièces internes doivent être nettoyées. Cet appareil étant un équipement de précision, n'essayez jamais de l'ouvrir vous-même. Emportez-le dans un magasin de réparation qualifié ou chez un concessionnaire Akai afin qu'il soit nettoyé.

\* Akai ne recommande pas l'utilisation d'une bande nettoyante.

En cas de problèmes avec votre appareil, notez les numéros de série et du modèle et toutes les données pertinentes concernant l'étendue de la garantie ainsi qu'une description claire du problème existant et prenez contact avec une station service Akai agréée ou la section de service après-vente de la société Akai Electric Company, Tokyo, Japon.

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SECTION 2

**SERVICE MANUAL**

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For basic adjustments, measuring methods, and operating principles, refer to **GENERAL TECHNICAL MANUAL**.

# I. SPECIFICATIONS

Format		VHS standard
Video recording system		Rotary, slant azimuth two-head helical scan system.
Recording/Playback time		240 min. with E-240 cassette (SP Mode) 480 min. with E-240 cassette (LP Mode)
Tape speed		23.39 mm/sec. (SP Mode) 11.70 mm/sec. (LP Mode)
Quick finder		Approx. 5 times normal speed (SP Mode) Approx. 9 times normal speed (LP Mode)
FF, REW time		Approx. 4 min. with E-180 cassette
RF input	VS-6EG/EG-G/EV  VS-6EA  VS-6EA(Y1)  VS-6EK  VS-6EO  VS-6ES	System B, G VHF Channel 2 to 12 UHF Channel 21 to 69 System B, G VHF Channel 0 to 5, 5A, 6 to 11 UHF Channel 21 to 69 System B, G VHF Channel 1 to 10 UHF Channel 21 to 69 System I UHF Channel 21 to 69 System B, G VHF (Low) Channel 2 to 4, S1 to S3 VHF (High) Channel M1 to M10, 5 to 12 U1 to U10 UHF Channel 21 to 69 System I VHF Channel 4 to 13 UHF Channel 21 to 69
RF output	VS-6EG/EG-G/EO  VS-6EK/ES  VS-6EA/EV  VS-6EA(Y1)	System B type modulation UHF Channel 30 to 39 adjustable (Pre-set Channel 36) System I type modulation UHF Channel 30 to 39 adjustable (Pre-set Channel 36) System B type modulation VHF Channel 3, 4 switchable (Pre-set Channel 4) System B type modulation VHF Channel 3, 4 switchable (Pre-set Channel 3)
Recording (Line input)		PAL, CCIR (System B, G, I)
Playback (Line output)		PAL, CCIR (System B, G, I)
Video		
Line input level		0.5 to 2.0 Vp-p/75 ohms, unbalanced
Line output level		1.0 Vp-p/75 ohms, unbalanced
S/N		More than 43 dB (SP Mode)
Horizontal resolution		More than 250 lines (SP Mode)
Audio		
Line input level		-9 dBm/50 kohms, unbalanced
Line output level		-6 dBm/1 kohms, unbalanced
S/N		More than 40 dB (SP Mode)
Frequency response		70 Hz to 8 kHz (SP Mode)
Timer		
Programs		4 separate one-time programs with 4-week capacity One program for automatic turn-off (sleep program)
Clock reference		Quartz crystal

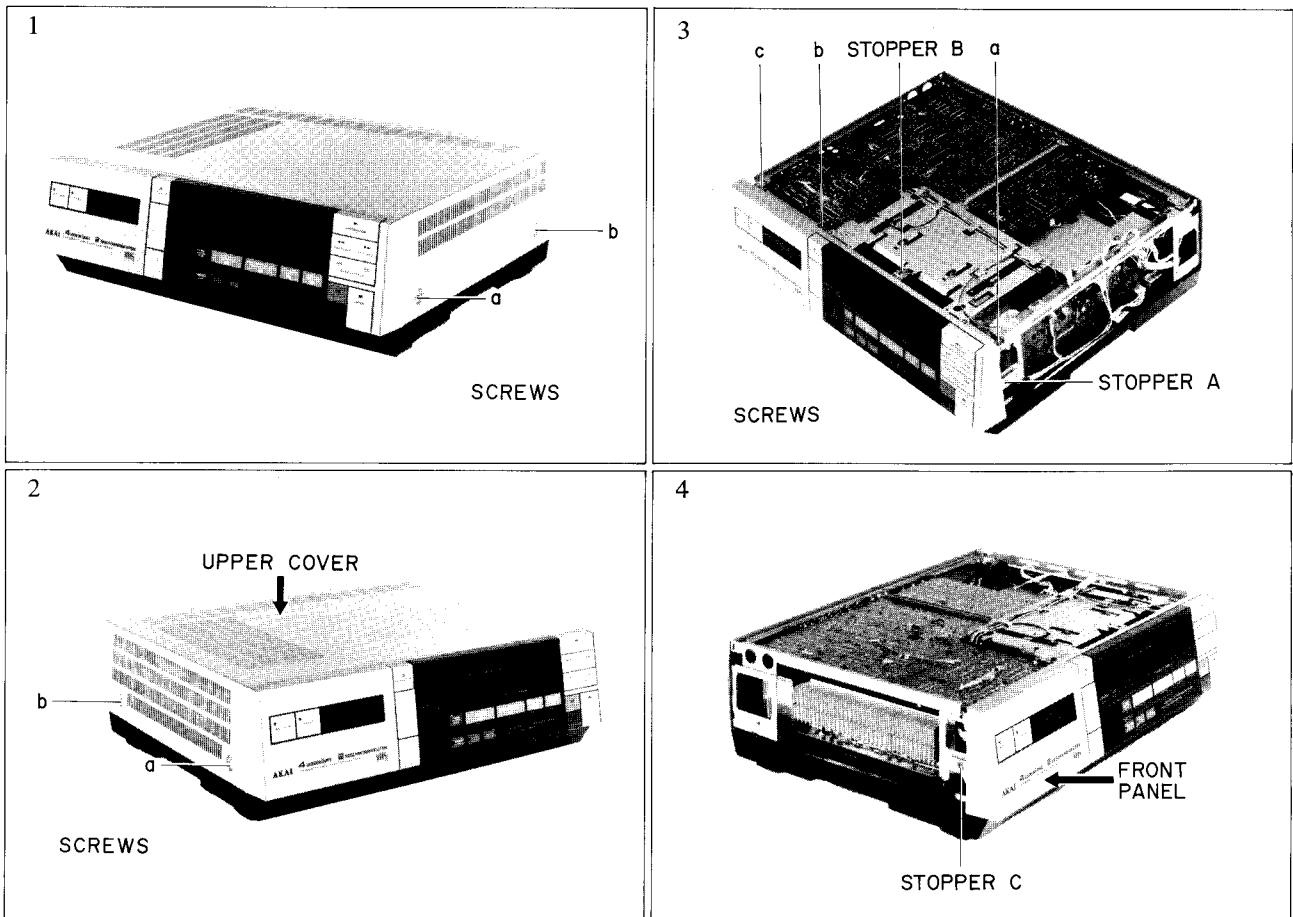


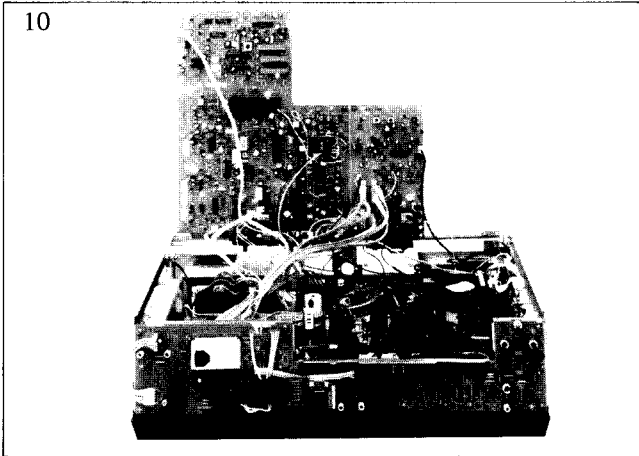
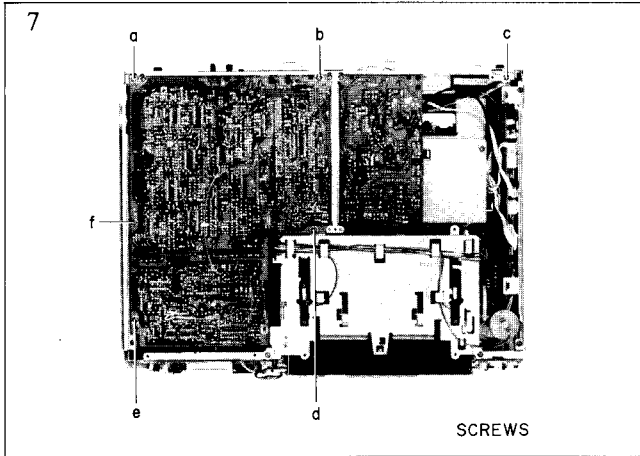
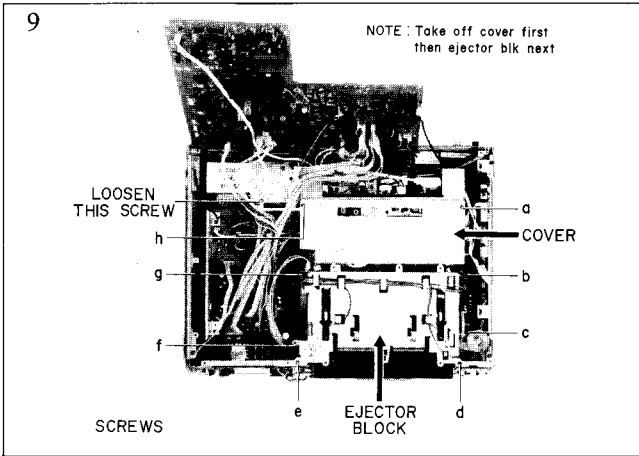
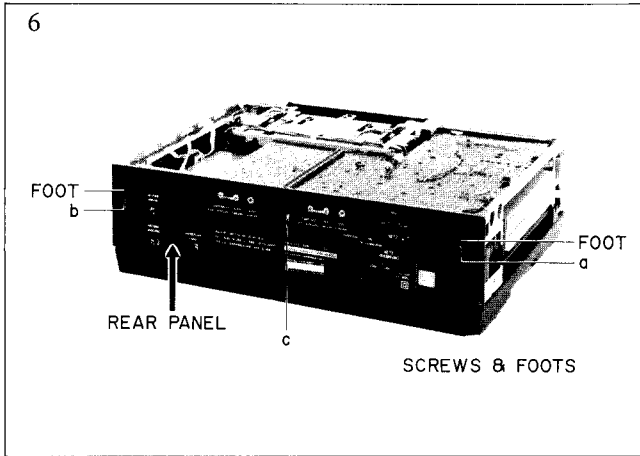
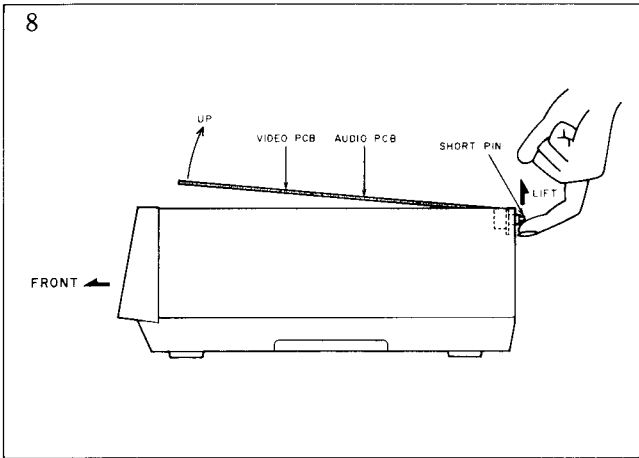
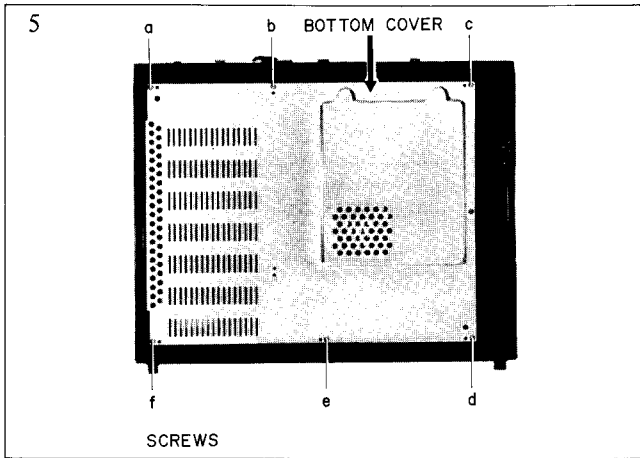
Display	TV screen (Tape counter, Timer etc.)
Power requirements VS-6EG/EG-G/EO/EV EA/EA(Y1)/EK VS-6ES	110/220V AC, 50/60 Hz 200/240V AC 50 Hz 220/250V AC 50 Hz
Power Consumption	48W
Operating temperature	5°C to 40°C
Dimensions	440 (W) × 135 (H) × 363 (D) mm (17.3 × 5.3 × 14.3 inches)
Weight	10.5 kg (23.1 lbs)

\* For improvement purposes, specifications and design are subject to change without notice.

## II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.





### III. CONTROLS

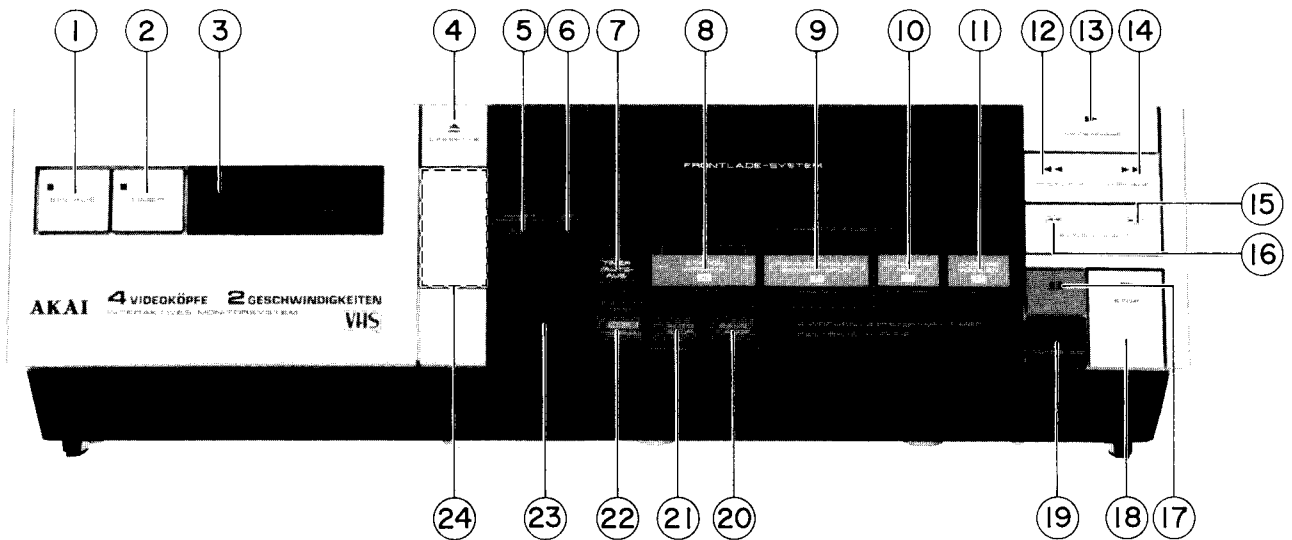


Fig. 3-1 Front View

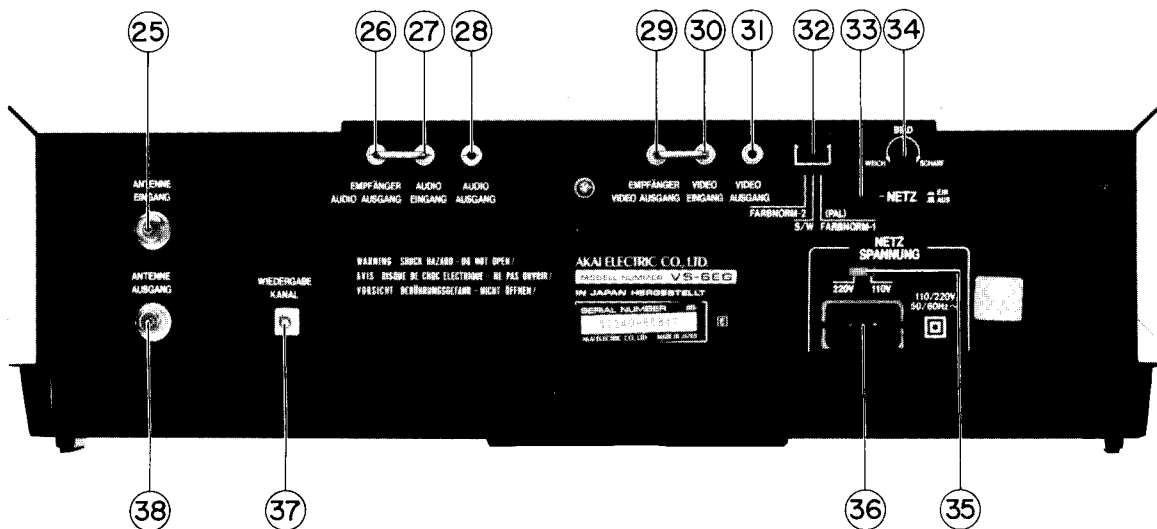


Fig. 3-2 Rear View

- |  |   |
|--|---|
| 1. FUNCTION ON/OFF BUTTON                                | 20. TAPE SELECT BUTTON  |
| 2. TIMER ON/OFF BUTTON                                   | 21. AUTO STOP BUTTON  |
| 3. INFRARED DETECTOR FROM RC-T4                          | 22. SPEED SELECT BUTTON   |
| 4. EJECT BUTTON  | 23. PRESET CHANNEL DISPLAY  |
| 5. PRESET BUTTON (TO TUNE IN TV STATION)                 | 24. VIDEO/TV SELECT BUTTON (EA MODEL ONLY)  |
| 6. CLOCK BUTTON (TO SET THE ACTUAL TIME AND DATE)        | 25. ANTENNA (ANT) IN JACK   |
| 7. PROGRAM BUTTON (TO AUTOMATICALLY RECORD A TV PROGRAM) | 26. TUNER AUDIO OUTPUT JACK   |
| 8. PRESET SELECT <b>[A]</b> BUTTON                       | 27. AUDIO INPUT JACK  |
| 9. FINE TUNE/TRACKING <b>[B]</b> BUTTON                  | 28. AUDIO OUTPUT JACK   |
| 10. COUNTER RESET <b>[C]</b> BUTTON                      | 29. TUNER VIDEO OUTPUT JACK   |
| 11. DISPLAY SELECT <b>[D]</b> BUTTON                     | 30. VIDEO INPUT JACK  |
| 12. REWIND BUTTON  | 31. VIDEO OUTPUT JACK   |
| 13. PLAY BUTTON  | 32. VIDEO MODE SELECTOR   |
| 14. FAST FORWARD BUTTON                                  | 33. POWER ON/OFF SWITCH   |
| 15. QUICK FINDER (CUE) BUTTON                            | 34. PICTURE CONTROL KNOB  |
| 16. QUICK FINDER (REVIEW) BUTTON                         | 35. AC INPUT VOLTAGE SELECTOR   |
| 17. PAUSE BUTTON   | 36. AC INLET  |
| 18. STOP BUTTON  | 37. RF CONVERTER CHANNEL ADJUSTMENT SCREW<br>(CHANNEL SELECTOR SWITCH FOR EA MODEL) |
| 19. REC BUTTON   | 38. RF OUTPUT JACK  |

## IV. PRINCIPAL PARTS LOCATION

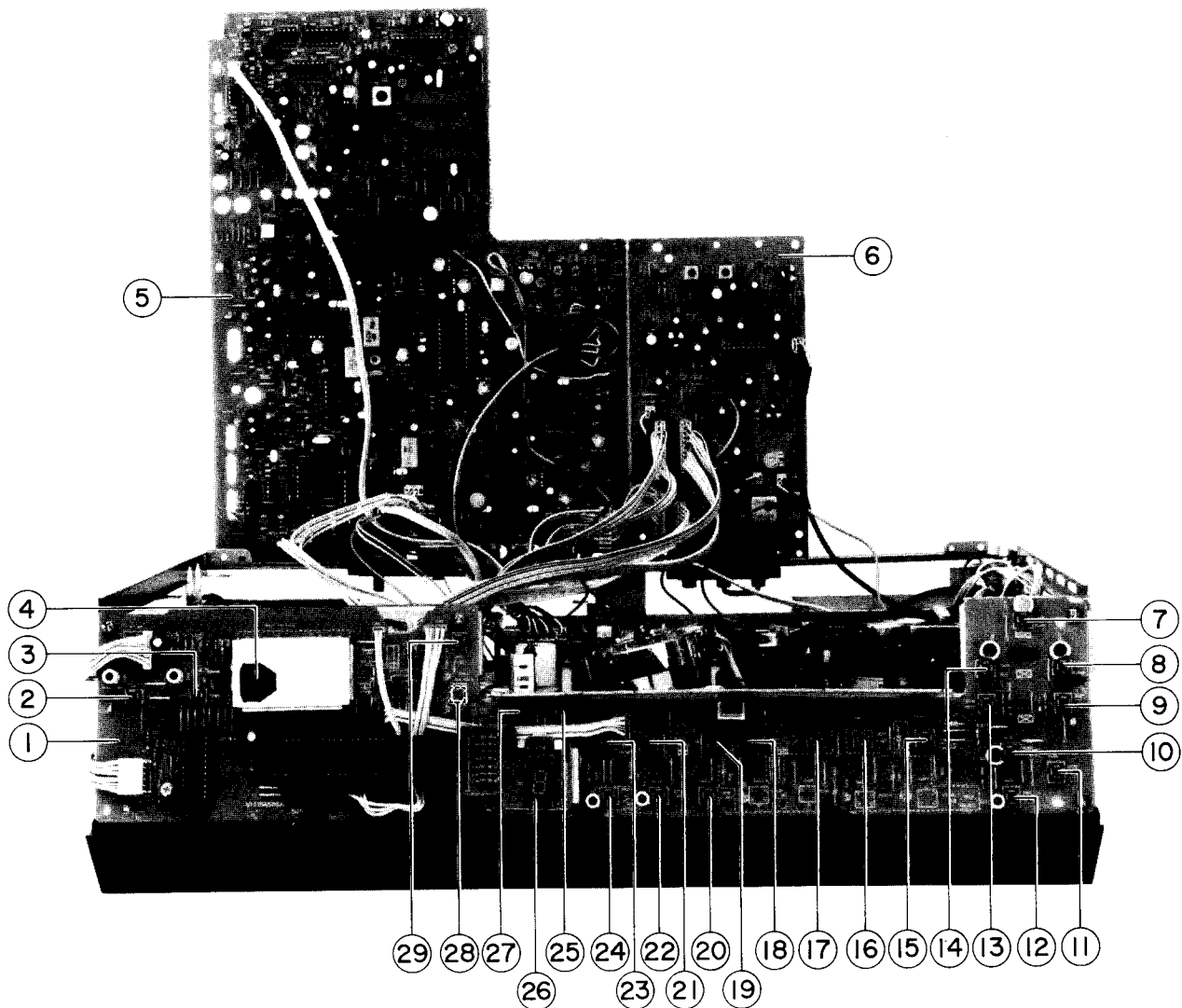


Fig. 4-1 Front View

- |   |                                       |
|---|---------------------------------------|
| 1. OPERATION P.C BOARD V1015A505A (6ED) | 16. COUNTER RESET/[C] SWITCH SW11     |
| 2. FUNCTION ON/OFF SWITCH SW1           | 17. FINE/TRACKING [+]/[B] SWITCH SW10 |
| 3. TIMER ON/OFF SWITCH SW2              | 18. FINE/TRACKING [-]/[B] SWITCH SW9  |
| 4. REMOTE CONTROL RECEIVER              | 19. PRESET SELECT [+]/[A] SWITCH SW8  |
| 5. VIDEO P.C BOARD V1015A501A (2ED)     | 20. TAPE SELECT SWITCH SW23           |
| 6. AUDIO P.C BOARD V1037A5010           | 21. PRESET SELECT [-]/[A] SWITCH SW7  |
| 7. PLAY SWITCH SW13                     | 22. AUTO STOP SWITCH SW22             |
| 8. FAST FORWARD SWITCH SW15             | 23. PROGRAM SWITCH SW6                |
| 9. QUICK FINDER (CUE) SWITCH SW17       | 24. SPEED SELECTOR SWITCH SW21        |
| 10. PAUSE/STILL SWITCH SW18             | 25. CLOCK SWITCH SW5                  |
| 11. STOP SWITCH SW20                    | 26. PRESET CHANNEL INDICATOR          |
| 12. REC SWITCH SW19                     | 27. PRESET SWITCH SW4                 |
| 13. QUICK FINDER SWITCH SW16            | 28. ANTENNA SWITCH SW28               |
| 14. REWIND SWITCH SW14                  | 29. EJECT SWITCH SW3                  |
| 15. DISPLAY SELECT/[D] SWITCH SW12      |                                       |

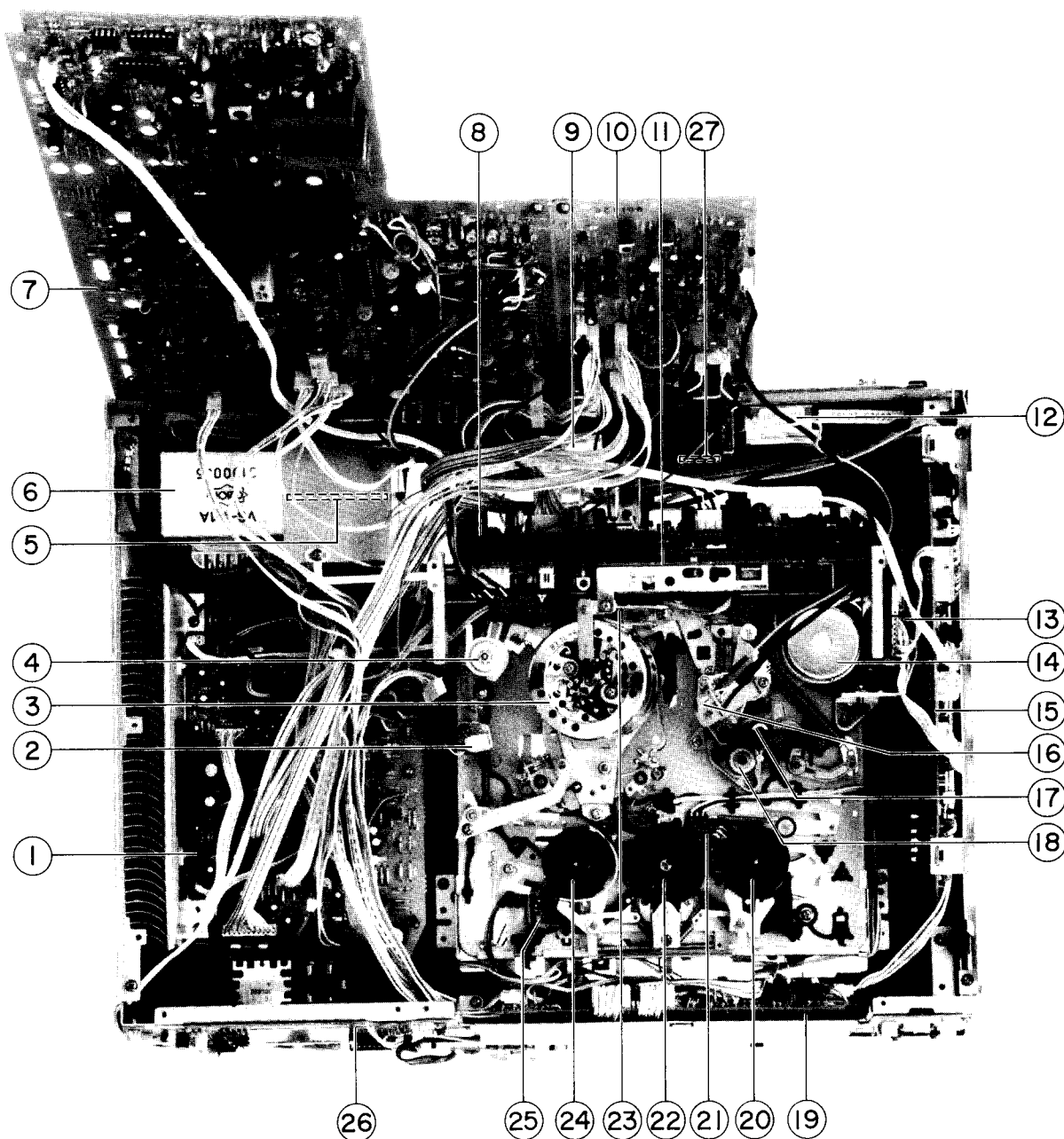


Fig. 4-2 Upper View

- |  |  |
|--|--|
| 1. POWER SUPPLY & SYSCON P.C BOARD<br>V1023A5030 (4ED) | 15. SERVO P.C BOARD V1037B5040                             |
| 2. FULL TRACK ERASE HEAD                               | 16. AUDIO/CONTROL (CTL) HEAD                               |
| 3. DRUM HEAD BLOCK                                     | 17. PINCH ROLLER   |
| 4. IMPEDANCE ROLLER                                    | 18. CAPSTAN  |
| 5. POWER FILTER P.C BOARD V1017D5060                   | 19. MECHA DRIVE P.C BOARD V1015A502A                       |
| 6. POWER TRANSFORMER                                   | 20. TAKE-UP REEL   |
| 7. VIDEO P.C BOARD V1015A501A (2ED)                    | 21. HALL IC (R) P.C BOARD                                  |
| 8. DEMODULATOR P.C BOARD 6B00159E                      | 22. IDLER ASSY   |
| 9. TV TUNER UNIT                                       | 23. RELAY P.C BOARD V1015D5090                             |
| 10. AUDIO P.C BOARD V1037A5010                         | 24. SUPPLY REEL  |
| 11. PRE-AMP P.C BOARD V1015A5070                       | 25. HALL IC (L) P.C BOARD                                  |
| 12. RF MODULATOR BLOCK                                 | 26. OPERATION P.C BOARD V1015A505A (6ED)                   |
| 13. C.M DRIVE P.C BOARD V1015A501B                     | 27. ANTENNA SWITCH P.C BOARD V1015A505D<br>(EA MODEL ONLY) |
| 14. CAPSTAN MOTOR                                      |  |

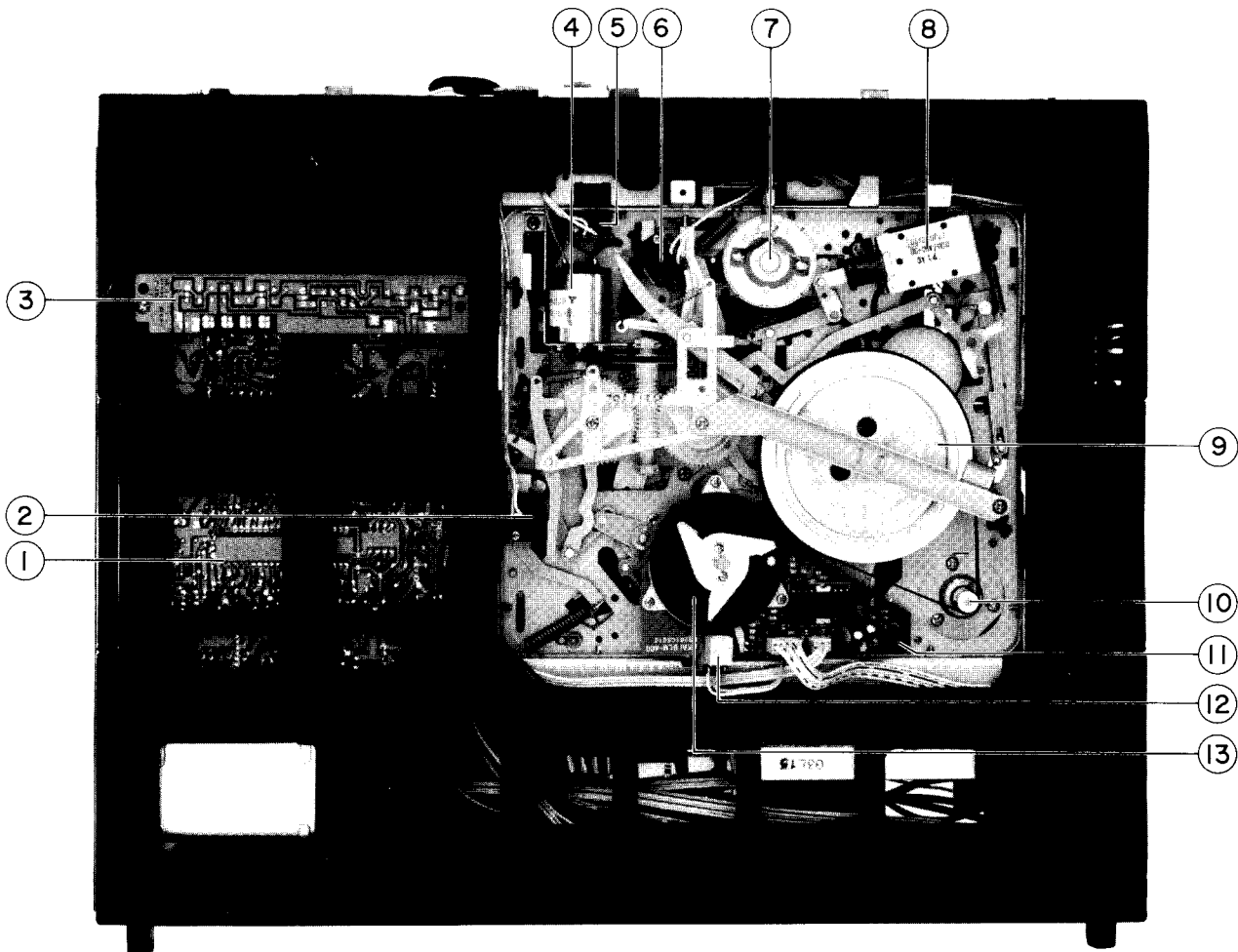


Fig. 4-3 Bottom View

1. POWER SUPPLY & SYSCON P.C BOARD  
V1023A5030 (4ED)
2. LOADING SWITCH A
3. EMDD P.C BOARD V1015C5160
4. LOADING MOTOR
5. RECORD SAFETY SWITCH
6. LOADING SWITCH B
7. REEL MOTOR
8. PLUNGER
9. CAPSTAN FLYWHEEL
10. CAPSTAN MOTOR
11. DRIVE P.C BOARD M3201C5010
12. DRUM P.G HEAD
13. DRUM MOTOR

# V. MECHANICAL ADJUSTMENT

## 5-1. BEFORE THE ADJUSTMENT

### 5-1-1. BUILD A DUMMY CONNECTOR

(Refer to Fig. 5-1)

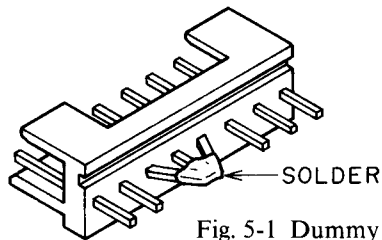


Fig. 5-1 Dummy Connector

Ejector block has to be removed for mechanical adjustment.

Consequently, it is necessary to build a dummy connector as shown in Fig. 5-1.

The connector used for this dummy connector is PLUG 8P Connector. (Parts Number EJ-318263)

### 5-1-2. CONFIRMATION OF REGULATOR OUTPUT VOLTAGE (Refer to Fig. 5-2 and Chart 5-1)

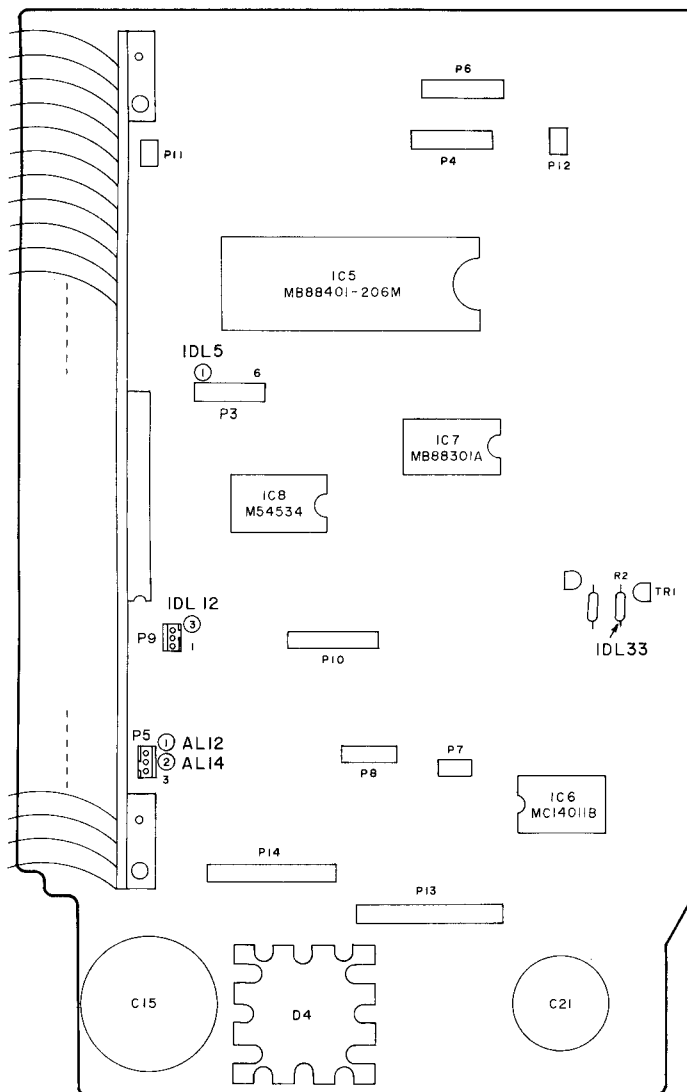


Fig. 5-2 Top View of Power & Syscon P.C. Board.

Confirm that the voltages measured by a digital DC voltmeter at each point are as indicated in Chart 5-1.

Check Points	Meter Readings
DL5V	5.0 ± 0.25V
IDL12V	12.0 ± 1.0V
IDL33V	33.0 ± 2.0V
AL12V	12.0 ± 0.6V
AL14V	14.0 ± 0.7V

Chart 5-1

**5-2. TENSION LEVER POSITION  
ADJUSTMENT (Refer to Fig. 5-3)**

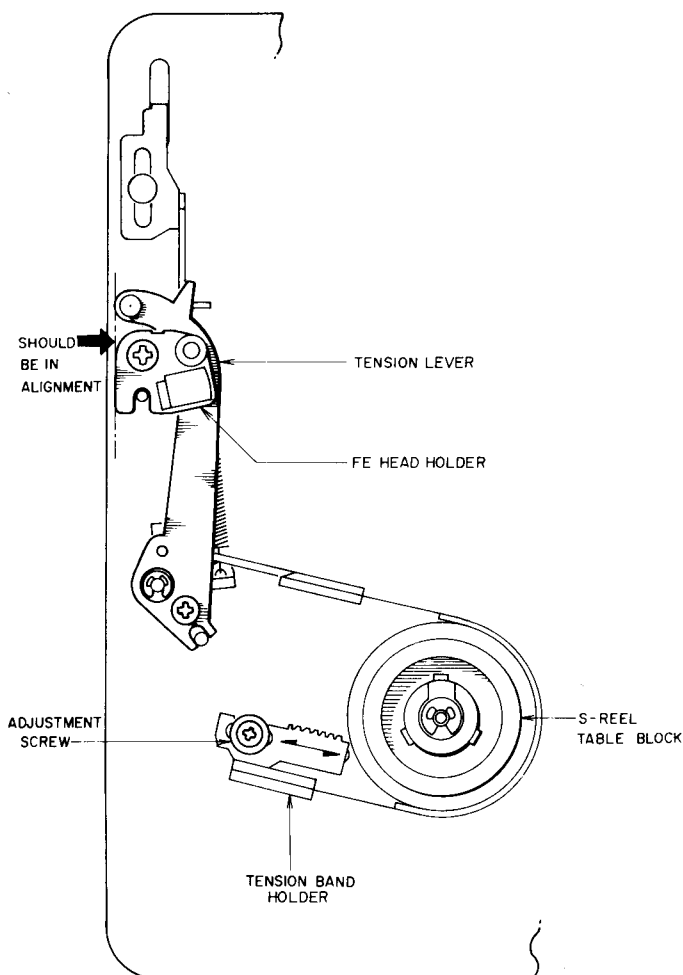


Fig. 5-3

- 1) Remove the Ejector block from Mechanism Chassis.
- 2) Disconnect the 8P connector and connect a Dummy plug instead of the Ejector block which built at Section 5-1-1.
- 3) Achieve PLAY mode, and switch "OFF" the power switch on the rear panel and maintain the loading position.
- 4) Loosen the adjustment screw and adjust the Tension Band holder so that the tension lever and Full Erase head holder are in alignment as shown in Fig. 5-3, and tighten the adjustment screw.
- 5) After adjustment, paint-lock the adjustment screw.

**5-3. BACK TENSION ADJUSTMENT  
(Refer to Figs. 5-4, 5-5)**

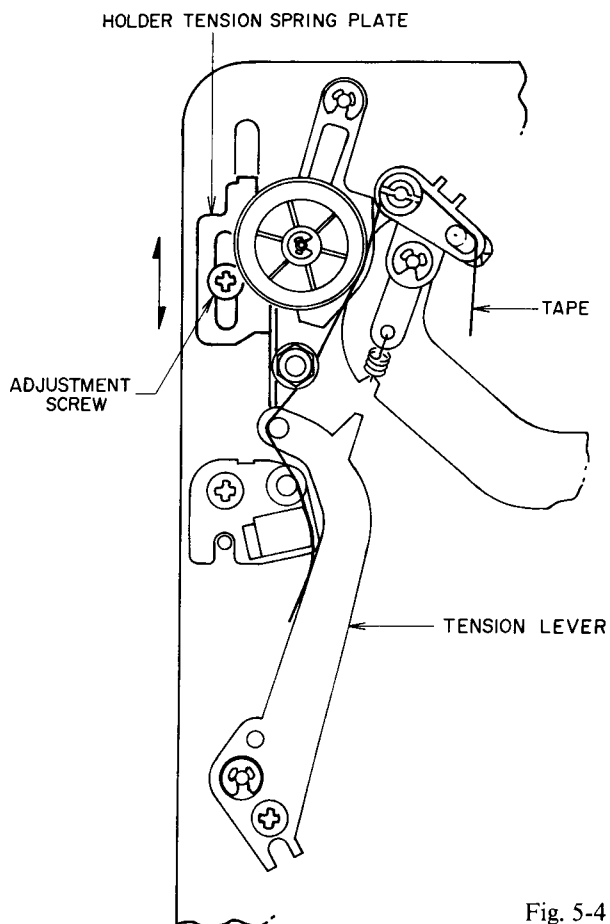


Fig. 5-4

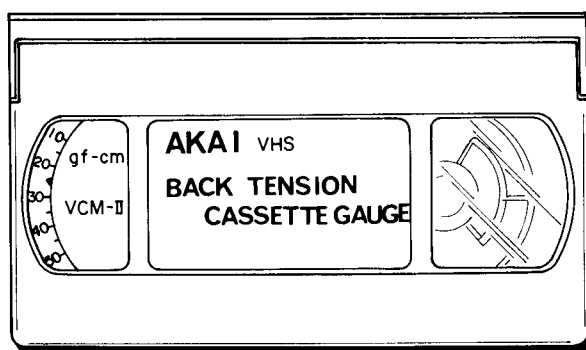


Fig. 5-5 Back Tension Jig (AJ751181)

- 1) Set the back tension Jig (AJ-751181) as shown in Fig. 5-5, and put some weight on the back tension Jig..
- 2) Achieve PLAY mode.
- 3) Loosen the adjustment screw shown in Fig. 5-4, adjust the Tension spring Holder plate so that back tension will be  $28 \pm 5$ gf-cm, and tighten the adjustment screw.
- 4) After adjustment, paint-lock the adjustment screw.



## VI. REPLACEMENT OF VIDEO HEAD ASSEMBLY

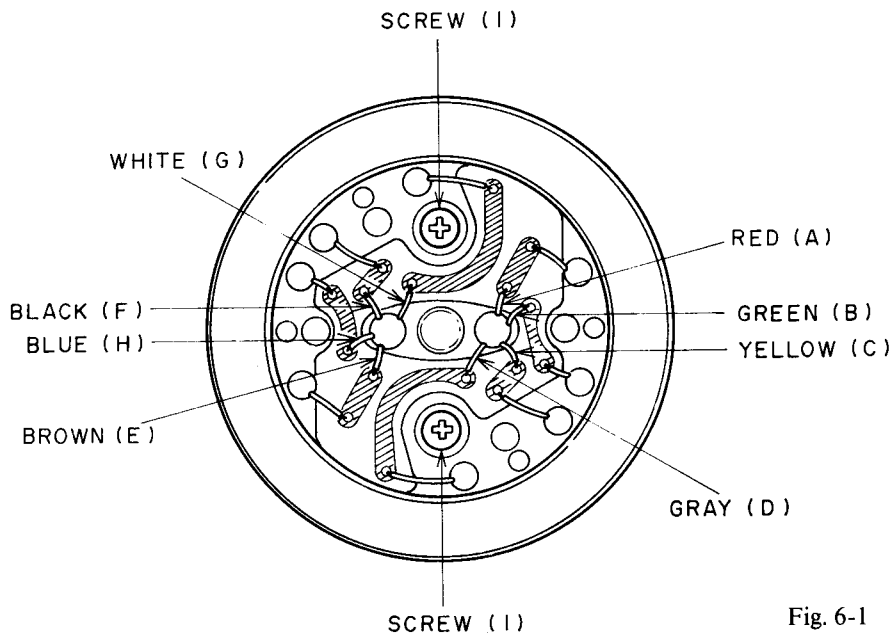


Fig. 6-1

- 1) Remove the EARTH BRUSH.
- 2) Unsolder the wires (A), (B), (C), (D), (E), (F), (G) and (H).
- 3) Remove the two screws (I), then pull up the Upper drum assembly.
- 4) Install the new head assembly and solder the wires as shown in Fig. 6-1.
- 5) Fasten two screws (I).
- 6) After replacement, the following adjustments are necessary.
  - (a) PB Tracking Adjustment (Servo P.C Board Step 4)
  - (b) PB Switching Point Adjustment (Servo P.C Board Step 5 & 7)
  - (c) REC Switching Point Adjustment (Servo P.C Board Step 6)
  - (d) Video Head Q (Quality factor) and resonance Adjustment (Video P.C Board Step 9 & 10)
  - (e) PB Y Level Adjustment (Video P.C Board Step 18)
  - (f) PB chroma Level Adjustment (Video P.C Board Step 19)

## VII. TAPE TRANSPORT ADJUSTMENT

### 7-1. TAPE GUIDE (R) ADJUSTMENT (Refer to Fig. 7-1)

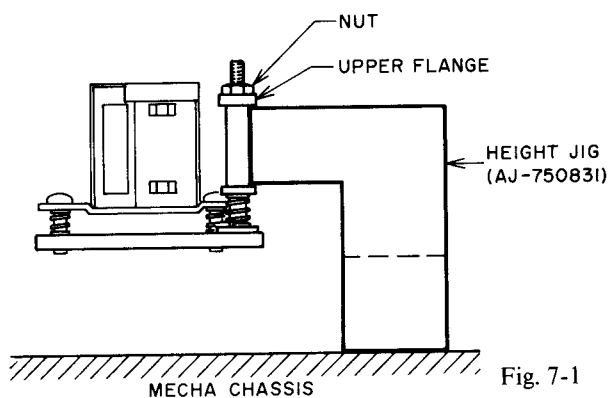


Fig. 7-1

### 7-2. SUPPLY TAPE GUIDE (L) ADJUSTMENT (Refer to Fig. 7-2)

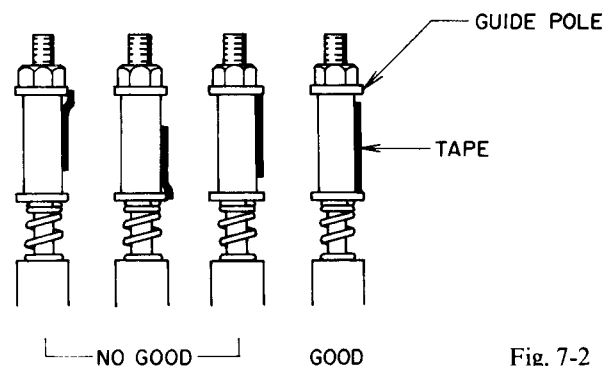


Fig. 7-2

- 1) Remove the Guide Cap.
  - 2) Set the height Jig (AJ-750831) on the Mechanism chassis as shown in Fig. 7-1 and check the height of the lower face of the upper flange. If necessary, carefully adjust by turning the nut.
- 1) Set the cassette tape and achieve PLAY mode.
  - 2) Make adjustment with the supply guide height adjustment nut, so that the lower part of the tape will pass the lower part of the guide pole without curling as shown in Fig. 7-2.

**7-3. GUIDE ROLLER HEIGHT ADJUSTMENT (Refer to Fig. 7-3 to Fig. 7-6)**

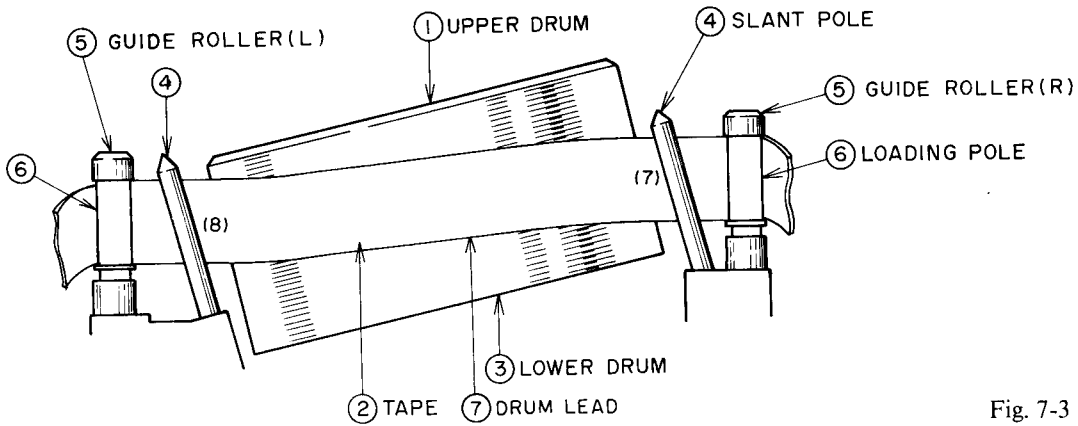


Fig. 7-3

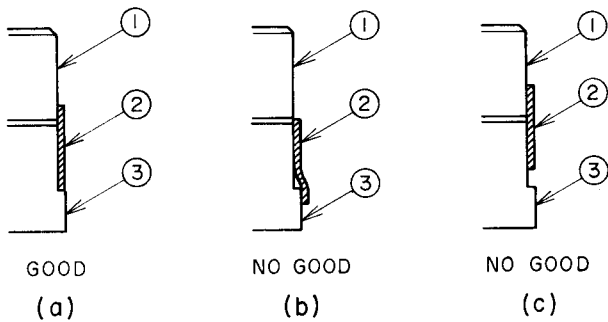


Fig. 7-4

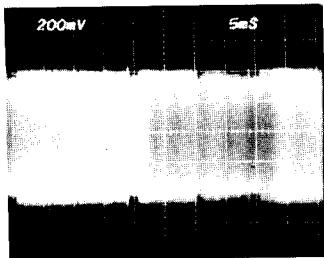


Fig. 7-5

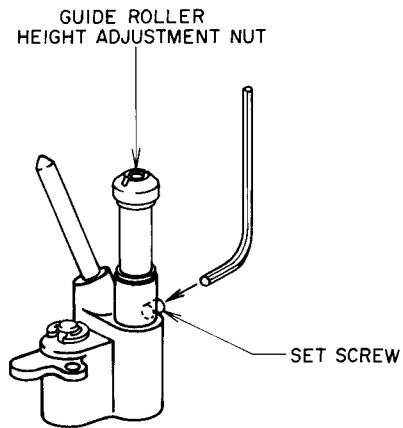


Fig. 7-6

- 1) Slightly loosen the set screw at the lower part of the Guide roller so that the Guide roller can be adjusted with reasonable tightness. (See Fig. 7-6)
- 2) Connect an oscilloscope to TP1 pin ① (ENV) of the Pre-Amp P.C Board.
- 3) Set the Reference tape (AT-750795) and achieve PLAY mode.
- 4) Ensuring it that the oscilloscope shows such a waveform as shown in Fig. 7-5 and also watching

- the point (7) of Fig. 7-3, adjust the height of the Guide roller (R) so that the tape runs without curling as shown in Fig. 7-4 (a).
- 5) Similarly, adjust the height of the Guide roller (L) watching the waveform on the oscilloscope and the point (8) of Fig. 7-3.
- 6) Make sure that there is no shaking in the picture on the monitor TV.
- 7) Fix the Guide roller with the set screw.

## 7-4. AUDIO/CONTROL HEAD HEIGHT, TILT AND AZIMUTH ADJUSTMENT

(Refer to Fig. 7-7 to Fig. 7-9)

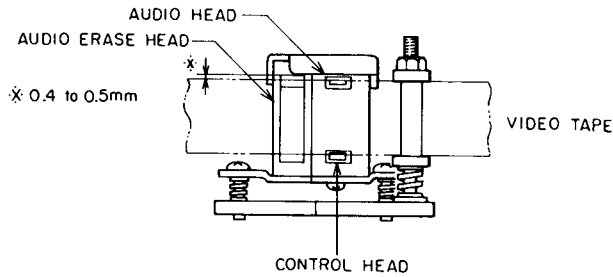


Fig. 7-7

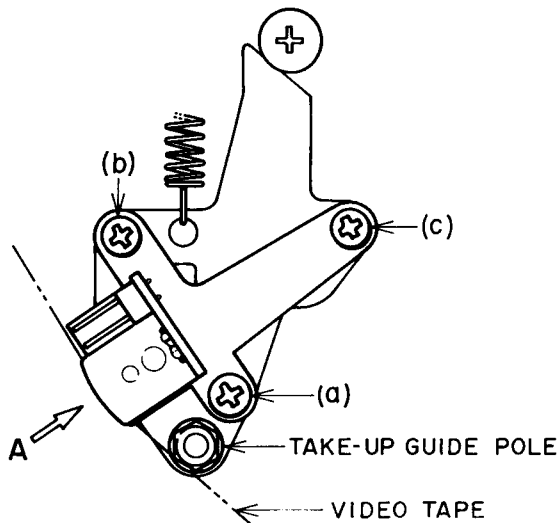


Fig. 7-8

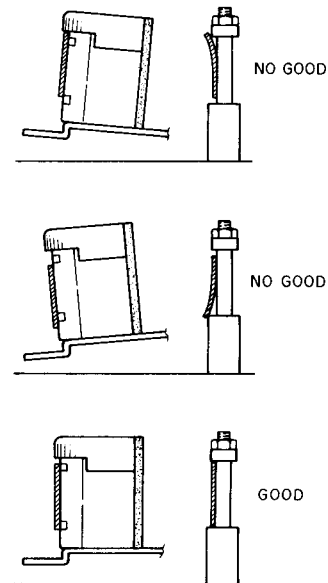


Fig. 7-9

- 1) Connect an AC Volt Meter to Audio Out.
- 2) Playback the Reference tape (AT-750795)
- 3) Turn screw (a), (b) and (c) slightly in order but by exactly the same amount. Adjust the audio output level to its maximum. Take screw (a) as your standard and use screw (b) for azimuth adjustment. Adjust screw (c) until there is no tape wrinkle in the guide pole section, the audio output level is at maximum and there is the minimum possible level fluctuation.

Then raise and lower screw (a) very slightly and adjust (b) and (c), and set to the point for maximum output.

**Note:** Repeat the adjustment of Tape guide height, Guide roller height and AUDIO/CTL Head several times in order to achieve the perfect tape running.

o Fig. 7-9)

### 7-5. CONTROL HEAD POSITION ADJUSTMENT (Refer to Fig. 5-6)

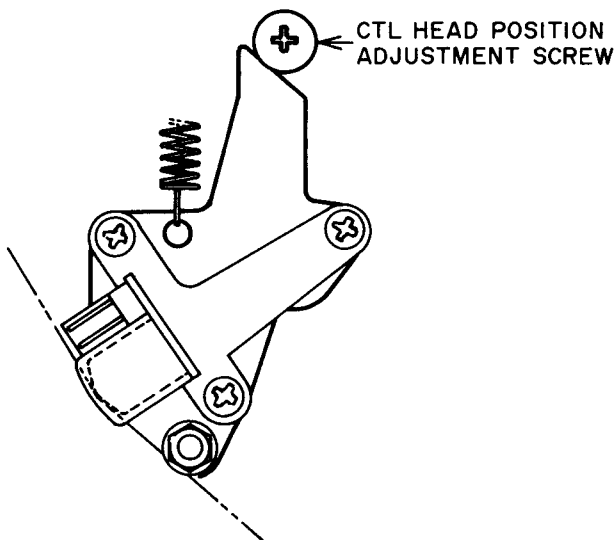


Fig. 7-10

- 1) Connect an oscilloscope to TP1 Pin ① (pre-out) of Pre-Amp P.C Board.
- 2) Set the Reference tape (AT-750795) and initiate the play mode.
- 3) While watching the waveform on the oscilloscope also watching the monitor screen and push TRACKING Button on the front panel. Confirm the tracking marker in which direction maximum point of the waveform is located from center position.
- 4) Turn back the tracking marker to the center position and carry out the following (a) or (b) adjustment.
  - (a) If the maximum point of the waveform is to the left of the center position, turn the adjustment driver counterclockwise and make adjustment to maximum point.
  - (b) If the maximum point of the waveform is to the right of the center position, turn the adjustment driver clockwise and make adjustment to maximum point.

**Note:** Make these adjustments only after the tape winding is completely adjusted.

### 7-6. ADJUSTMENT OF QUICK FINDER (REVIEW) RUN (Refer to Fig. 7-11, 7-12)

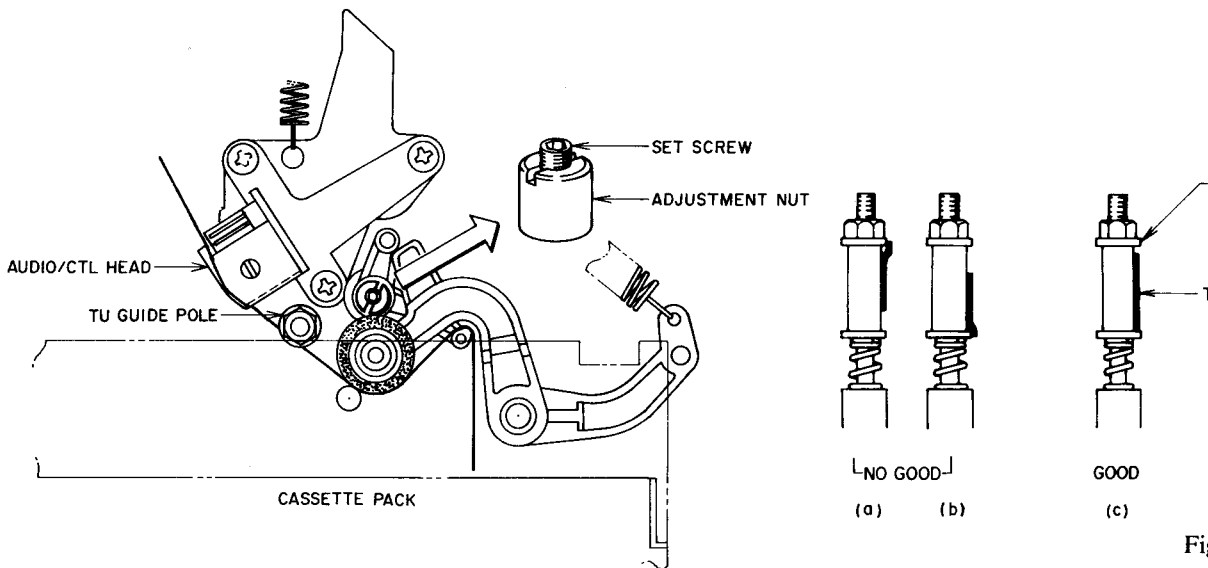


Fig. 7-11

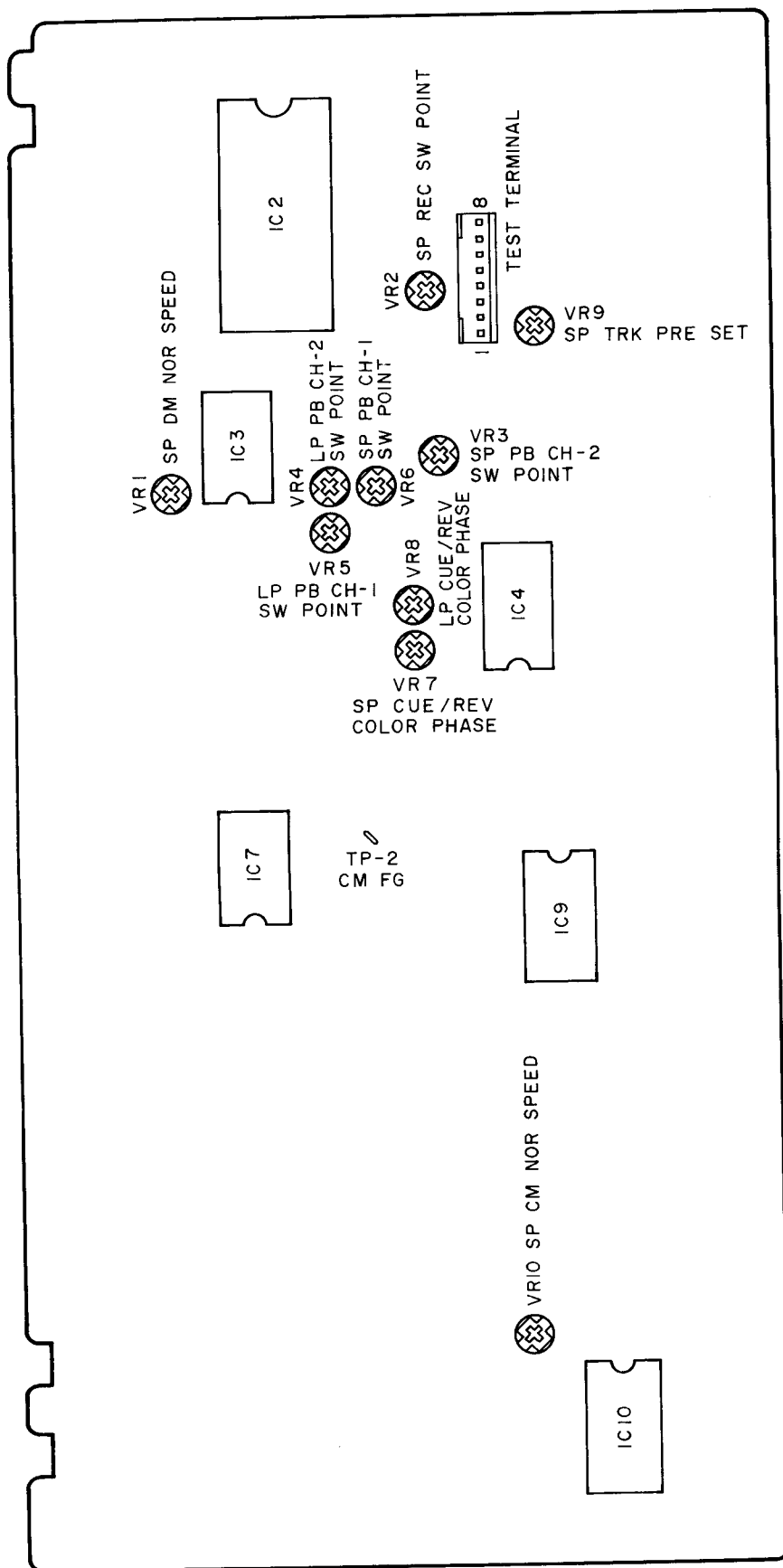
- 1) Set the recording and playback tape E-240 and wind it up.
- 2) Press the Play and REVIEW button to initiate the REVIEW mode.
- 3) Loosen the set screw in Fig. 7-11 so that the adjustment nut can be turned.
- 4) While watching the tape running on the take-up guide pole, turn the adjustment screw slowly so as to eliminate the curling of the tape (Fig. 7-12 (C)).

- 5) Tighten the set screw and fix the adjustment screw.
- 6) After the completion of adjustment, press the button once, and after unloading the tape, recheck review run.

**Note:** If the adjustment nut is turned too fast, so variation may be found after adjustment because tape running does not follow such a fast pace.

# VIII. ELECTRICAL ADJUSTMENT

## 8-1. SERVO ADJUSTMENT

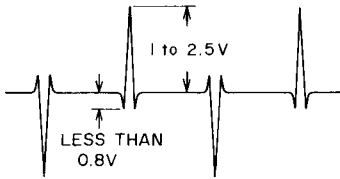
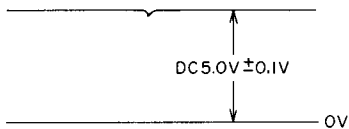
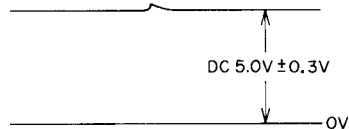
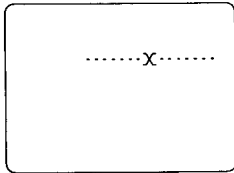
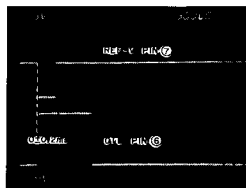


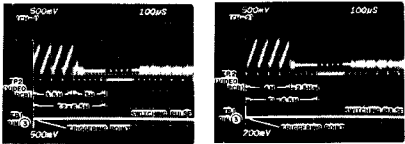
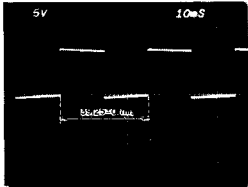
TEST TERMINAL

PIN 1	DM SPEED
PIN 2	GND
PIN 3	SW POINT
PIN 4	CM SPEED
PIN 5	PG PULSE
PIN 6	CTL PULSE
PIN 7	REF -V
PIN 8	CTL PULSE

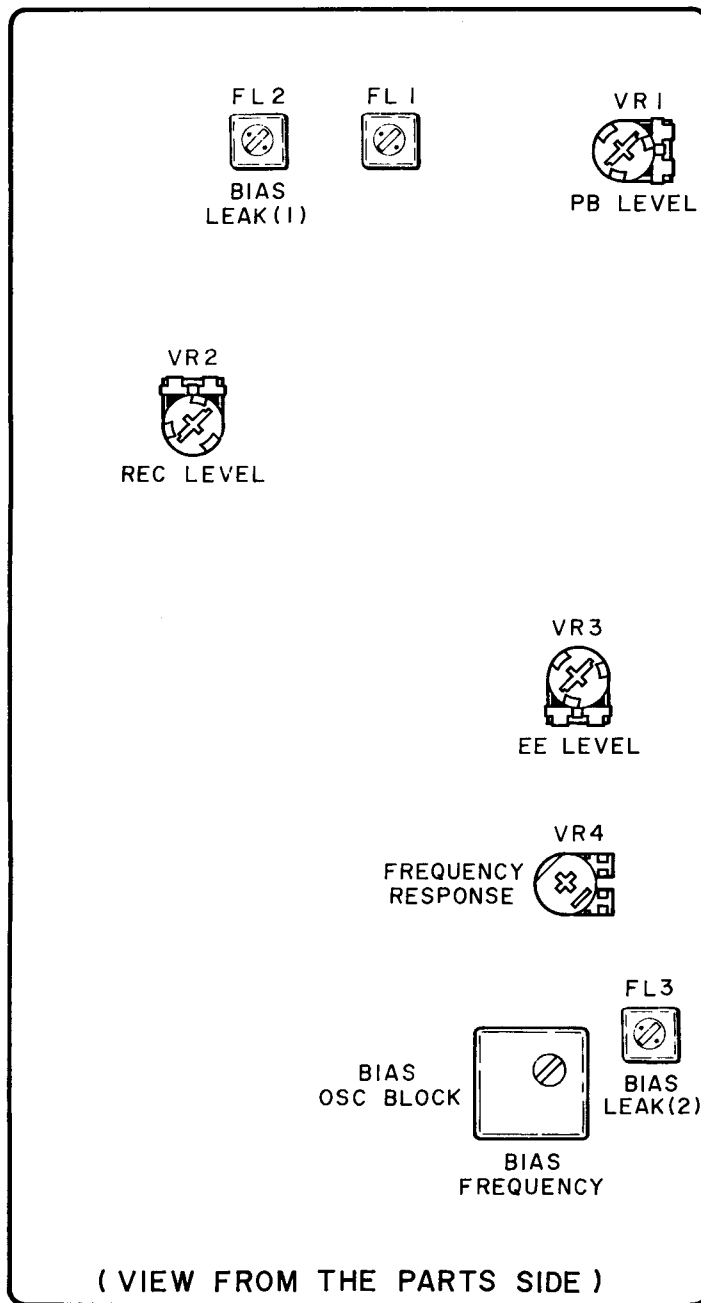
Chart 8-1

Fig. 8-1 Servo P.C Board Adjustment Points

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
1	Drum Motor PG level	Reference Test Tape (AT-750795)	SP PB	Test Terminal (Pin ⑤)	Confirmation	 <p>Confirm the PG waveform is within the levels shown above.</p>
2	Drum Motor Normal Speed	Reference Tape (AT-75095)	PB	Test Terminal (Pin ①)	VR1	 <p>Adjust so that the Drum Servo phase error voltage is within DC 5.0V ± 0.1V</p>
		Self Record Tape at LP Mode	LP PB	Test Terminal (Pin ①)	Confirmation	Confirm the Drum Servo phase error voltage is within DC 5.0 ± 0.1V.
3	SP Capstan Motor Normal Speed	Reference Tape (AT-750795)	SP PB	Test Terminal (Pin ④)	VR10	 <p>Adjust so that the Capstan Servo phase error voltage is within DC 5.0V ± 0.3V</p>
		Self Recorded Tape at LP Mode	LP PB	Test Terminal (Pin ④)	Confirmation	Confirm the Capstan Servo phase error voltage is within DC 5.0 ± 0.5V.
4	Tracking Preset	Reference Test Tape (AT-750795)	SP PB	Test Terminal (Pin ⑥) (Pin ⑦)	VR9	 <p>Tracking marker "X" on the monitor screen is set to the center of the dotted line by pressing the TRACKING BUTTON on the Front Panel.</p>  <p>Adjust so that the down edge portion of REF-V (Servo standard signal) is lined up with the phase of CTL pulse.</p>

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
		Self Recorded Tape at LP Mode	LP PB	Test Terminal (Pin ⑥) (Pin ⑧)	Confirmation	Confirm the startdown waveform of REF-V (Servo standard signal) is lined up with the phase of CTL pulse.
5	SP PB Switching Point	Reference Test (AT-750795)	SP PB	TP2 (Video PCB)  Test Terminal (Pin ③)	VR6 (CH-1)  VR3 (CH-2)	 <p>(CH1)</p> <p>Adjust T1 with VR6 to <math>6.5 \pm 0.3H</math> and T2 with VR3. The difference between T1 and T2 should be within 0.3H.</p>
6	REC Switching Point	Color Bar from Color Bar Generator	SP REC  LP REC	TP2 (Video PCB)  Test Terminal (Pin ③)	VR2  Confirmation	<p>Adjust T1 and T2 waveforms <math>6.5H \pm 0.3H</math>. As the same manner in Step 5.</p> <p>Confirm the same way as in the above at LP mode.</p>
7	LP PB Switching Point	Self Recorded Tape at LP Mode	LP PB	TP2 (Video PCB)  Test Terminal (Pin ③)	VR5 (CH-1)  VR4 (CH-2)	Adjust the same way as in the Step 5 at LP mode.
8	CUE/REV Color Phase	Color Bar Test Tape (AT-750797)	SP CUE	Test Terminal (Pin ③)	VR7	 <ol style="list-style-type: none"> <li>Adjust VR7 the switching pulse waveform is <math>39.25 \pm 0.1ms</math> (25.41 Hz ~ 25.54 Hz).</li> <li>Confirm the Blur between the Color Bar is minimum.</li> </ol>
			SP REV		Confirmation	Confirm the switching pulse waveform is $41.18 \pm 0.1ms$ (24.22 Hz ~ 24.34 Hz). Also confirm the Blur between the Color Bar is minimum.
		Self Recorded Color Bar Tape at LP Mode	LP CUE  LP REV	Test Terminal (Pin ③)	Confirmation	<p>Confirm the switching pulse waveform is <math>39.18 \pm 0.1ms</math> (25.41 Hz ~ 25.54 Hz). Also confirm the Blur between the Color Bar is minimum.</p> <p>Confirm the switching pulse waveform is <math>40.98 \pm 0.1ms</math>. Also confirm the Blur between the Color Bar is minimum.</p>

## 8-2. AUDIO P.C BOARD ADJUSTMENT



**AUDIO PCB VI037A5010**

Fig. 8-2 Audio P.C Board Adjustment Points



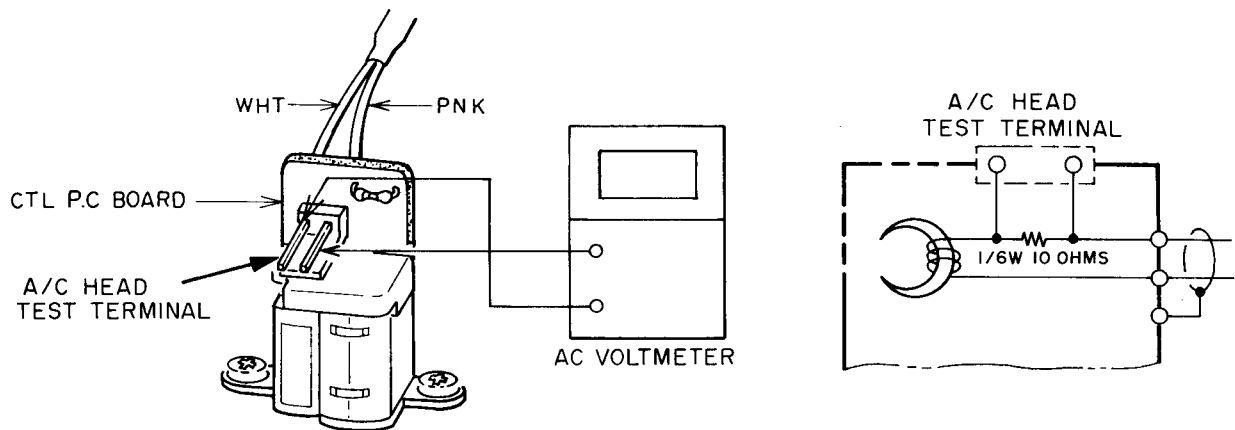


Fig. 8-3 Audio Test Terminal

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
1	PB Level	1 kHz Test Tape (AT-750800)	PB	Audio Output	VR1	$-6.0 \pm 1.0$ dBm
2	A/C Head Azimuth	6 kHz Test Tape (AT-750795)	PB	Audio Output	A/C Head Adjustment Screw	$-7.0 \pm 1$ dBm
3	EE Level	Audio Input 1 kHz, $-8.0$ dBm	EE	Audio Output	VR3	$-6.0 \pm 0.5$ dBm
4	AGC	Audio Input 1 kHz, $+11$ dBm	EE	Audio Output	Confirmation	$-1.5$ to $-3.0$ dBm
5	Bias OSC Frequency	No Signal Input	REC	A/C Head Terminal	OSC Block	$70 \pm 3$ kHz
6	Bias Current	No Signal Input	REC	A/C Head Terminal (Ref. to Fig. 8-3)	VR4	4 mV
7	REC level	Audio Input 1 kHz, $-8$ dBm	REC/PB	Audio Output	VR2	$-6.0 \pm 1.0$ dBm (within 2% Distortion)
8	REC/PB Frequency Response	Audio Input 7 kHz, $-8$ dBm	REC/PB	Audio Output	Confirmation, (If needed Readjust VR4)	$-6.0 \pm 1.0$ dBm
		Audio Input 100 Hz, $-8$ dBm				$-6.0 \pm 2.0$ dBm
9	Bias leak	No Signal Input	REC	Audio Output	FL2 FL3	Minimum output level

### 8-3. VIDEO ADJUSTMENT

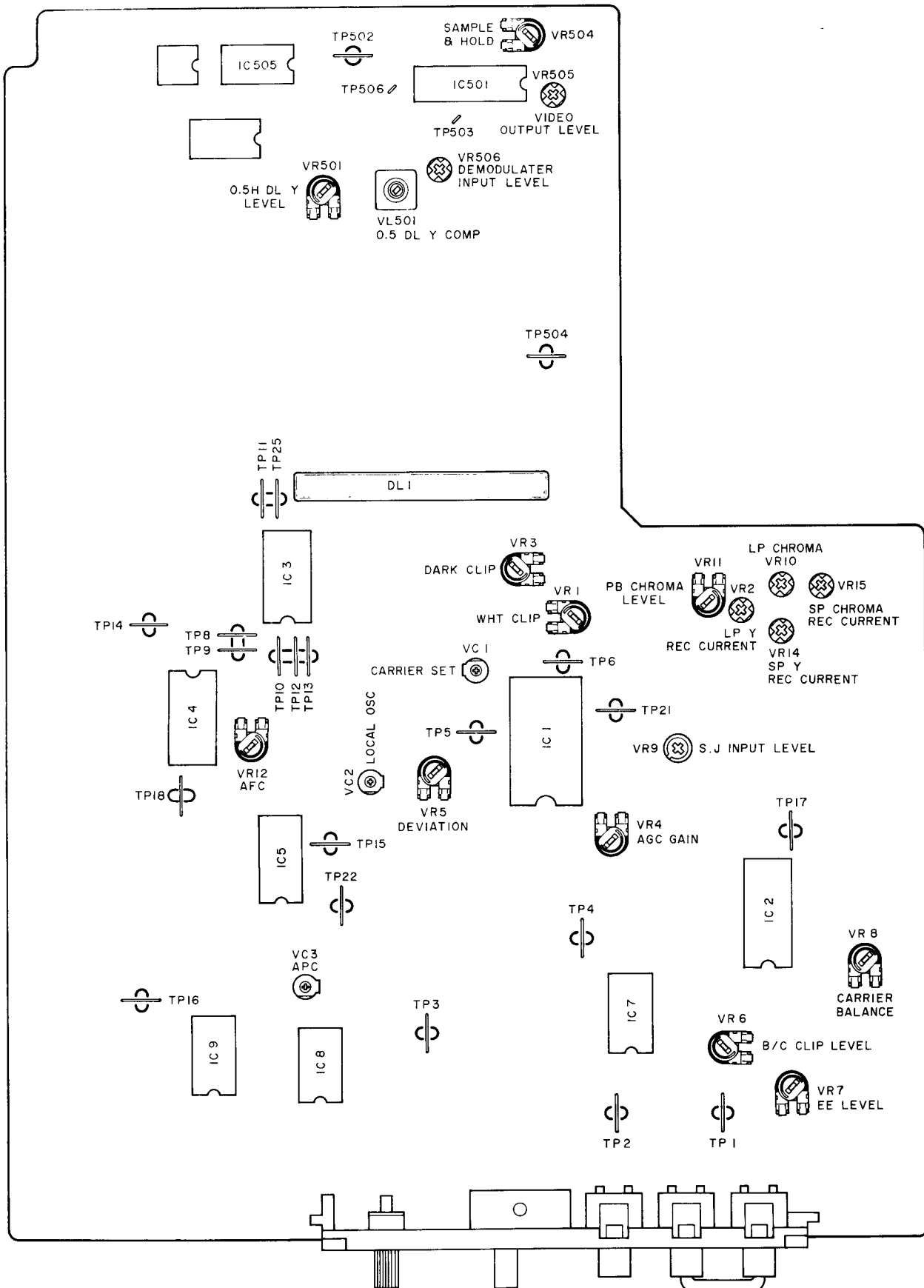


Fig. 8-4 Video P.C Board Adjustment Points

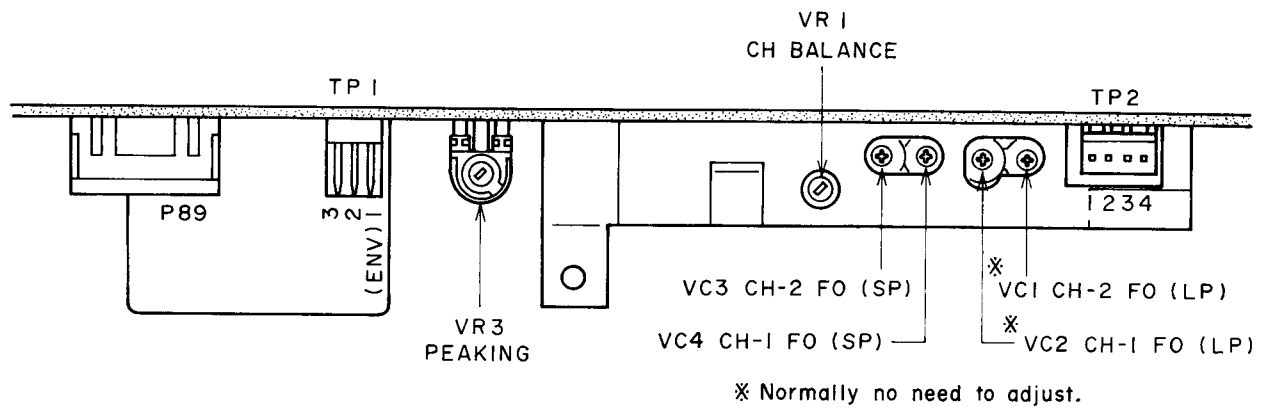


Fig. 8-5 Pre Amp P.C Board Adjustment Points

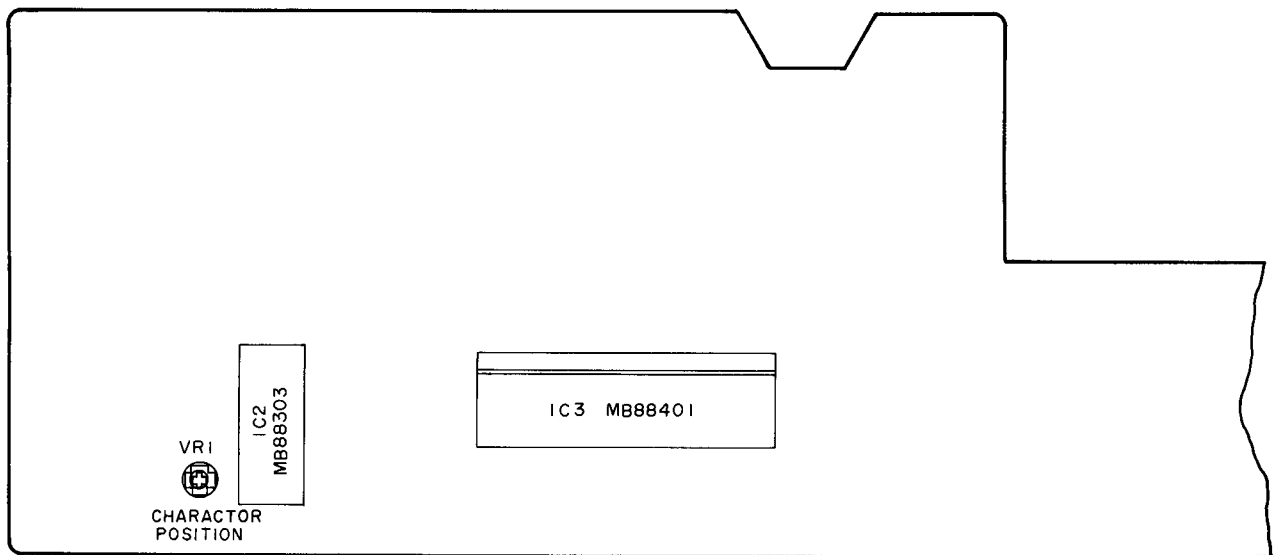
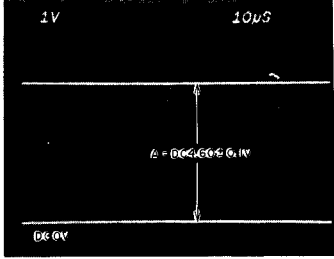
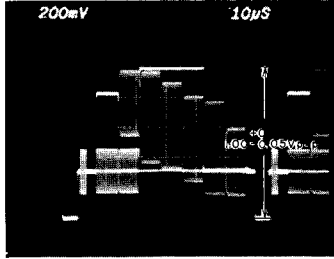
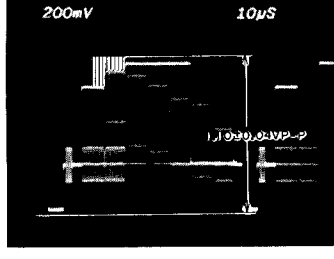
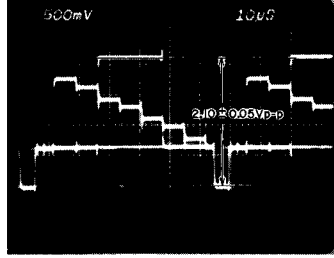
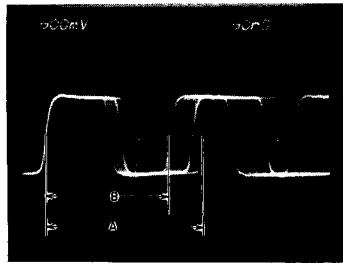
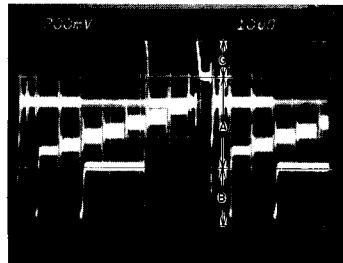


Fig. 8-6 Operation P.C Board Adjustment Points

**Caution:**

1. The output of the Color Bar Generator should be 1.0 Vp-p.
2. The video out terminal should be terminated with 75 ohms dummy or load (monitor T.V.).

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
1	AFC	Color Bar from Color Bar Generator	EE	TP14	VR12	 <p>Adjust VR12 as level of TP14 is within DC <math>4.6 \pm 0.1V</math>.</p>
2	EE level	Color Bar from Color Bar Generator	EE	TP2	VR7	 <ol style="list-style-type: none"> <li>1. Adjust VR7 as Video Output (TP2) is within <math>1.00^{+0}_{-0.05}</math></li> <li>2. Confirm that RF Output (both Y &amp; chroma signal) is appeared at TP3.</li> </ol>
3	B/C Clip level	Color Bar from Color Bar Generator	PB	TP2	VR6	 <ol style="list-style-type: none"> <li>1. Display character to the Monitor screen.</li> <li>2. Adjust VR6 as Video signal level is <math>1.10 \pm 0.04 Vp-p</math>.</li> </ol>
4	AGC Gain	Color Bar from Color Bar Generator	EE	TP5	VR4	 <ol style="list-style-type: none"> <li>1. Adjust VR4 as level of TP5 is within <math>2.10 \pm 0.05 Vp-p</math>.</li> </ol>

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
5	APC OSC	Color Bar from Color Bar Generator	EE	TP10	VC3	<ol style="list-style-type: none"> <li>1. Supply color bar signal to line input.</li> <li>2. Connect a frequency counter and oscilloscope to TP10.</li> <li>3. Set MODE SWITCH in COLOR 2 Position (For EA model, connect between Pin ② and Pin ⑩ of IC4 AN6362 on VIDEO PC BOARD).</li> <li>4. Adjust VC3 as FREQUENCY COUNTER reads 5.060571 MHz <math>\pm</math> 50 Hz.</li> </ol>
6	FM OSC	Color Bar from Color Bar Generator	EE	TP21	VC1 (Carrier set) VR5 (Deviation)	 <p>Carrier set A = 0.263 <math>\mu</math>S (3.8 MHz)            Deviation B = 0.208 <math>\mu</math>S (4.8 MHz)</p>
7	White Clip and Dark Clip	Color Bar from Color Bar Generator	EE	TP6	VR1 (White clip) VR3 (Dark clip)	 <ol style="list-style-type: none"> <li>1. Adjust VR1 and VR3 as the waveform at TP6 is shown above.            White clip A : B = 1.0 : 0.6 to 0.65            Dark clip A : C = 1.0 : 0.4 to 0.45</li> </ol>

### RTV servis Horvat

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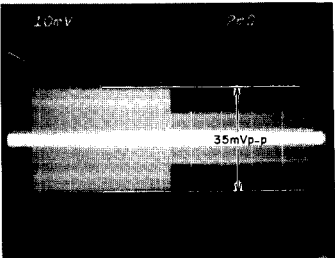
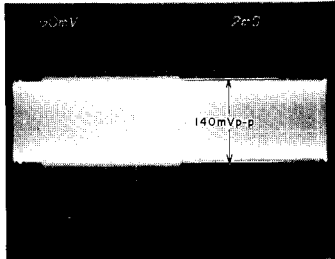
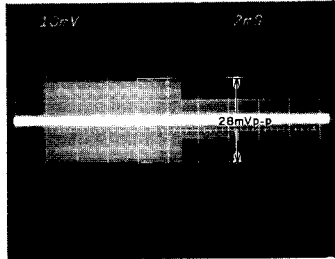
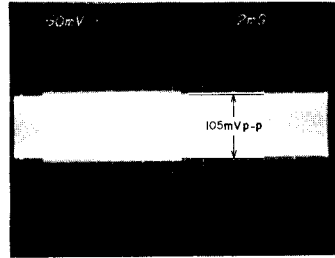
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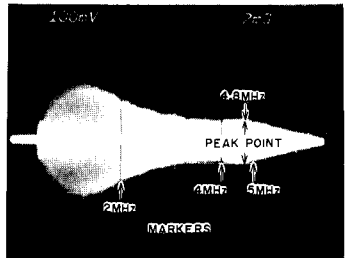
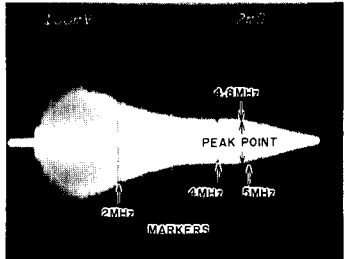
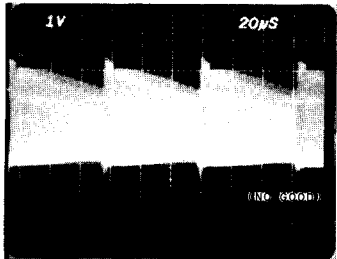
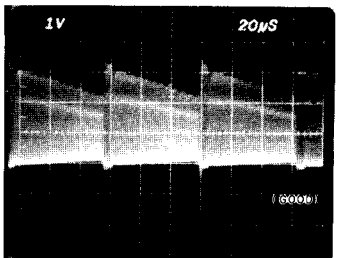
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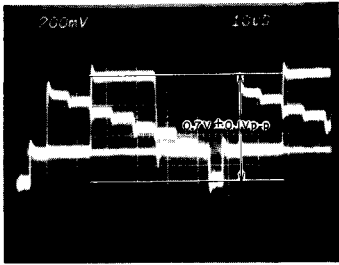
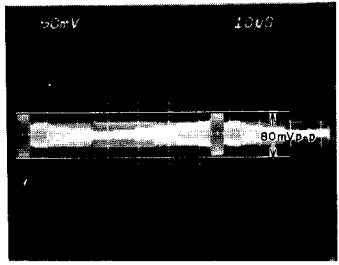
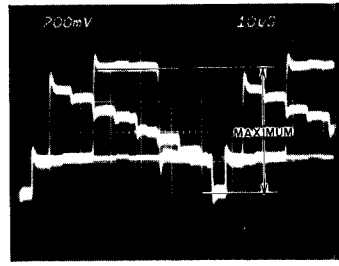
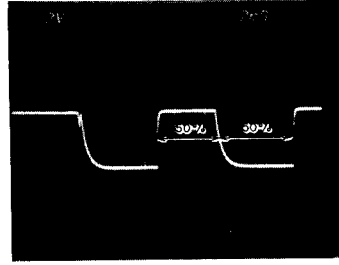
098-788-319

[rtv-servis-horvat@os.tel.hr](mailto:rtv-servis-horvat@os.tel.hr)

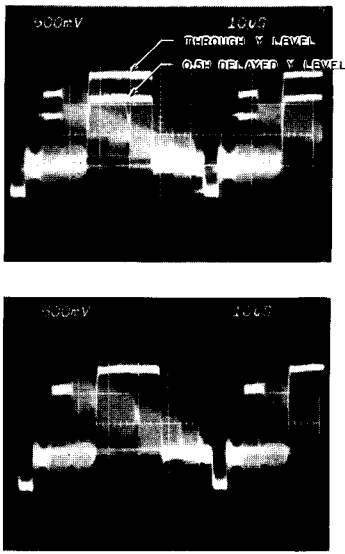
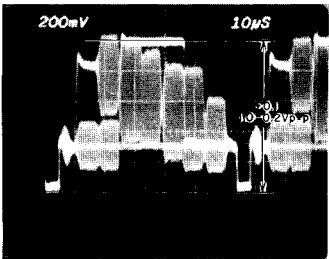
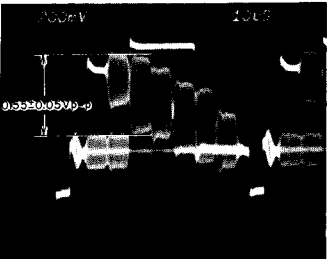
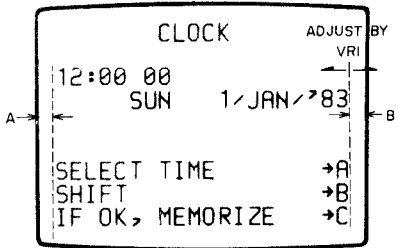
Croatia

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
8	REC CURRENT	Color Bar from Color Bar Generator	SP REC	TP2-② (Pre-Amp PCB)	VR15 (Chroma)  VR14 (Y)	<p>1. Turn VR14 fully clockwise</p>  <p>2. Adjust VR15 as the chroma REC current waveform is <math>35 \pm 2.5</math> mV shown above.</p>  <p>3. Adjust VR14 as the Y REC current waveform is <math>140 \text{ mV} \pm 5 \text{ mVp-p}</math> shown above.</p>
			LP REC	TP2-②	VR10 (Chroma)  VR2 (Y)	<p>1. Turn VR2 fully counter-clockwise.</p>  <p>2. Adjust VR10 as the chroma REC current waveform is <math>28 \pm 2.5</math> mV shown above.</p>  <p>3. Adjust VR2 as the Y REC current waveform is <math>105 \pm 5 \text{ mVp-p}</math> shown above.</p>

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
9	Head peak (f <sub>0</sub> ) Frequency and Channel Balance	RF Sweep Tape (AT-750802)	SP PB	TP1 (Pin ①) (Pre-Amp PCB)  Test Terminal Pin ③ (Servo PCB) for trigger	VC3 (CH-1 f <sub>0</sub> ) (Pre-Amp PCB)  VC4 (CH-2 f <sub>0</sub> ) (Pre-Amp PCB) VR1 (CH Balance) (Pre-Amp PCB)	<p>(CH-1)</p>  <p>1. Adjust VC3 (CH-1) as the Peak Frequency is 4.8 MHz shown above.</p> <p>(CH-2)</p>  <p>2. Adjust VC4 (CH-2) as the Peak Frequency is 4.8 MHz shown above.</p> <p>3. Adjust VR1 as the 4.8 MHz Peak Frequency levels between CH-1 and CH-2 are equal.</p>
10	Peaking	Color bar Test Tape (AT-750797)	SP PB	Monitor Screen	VR3 (Pre-Amp PCB)	Adjust VR3 so that there is no over modulation and no smear on the Screen.
11	Carrier Balance	Reference Tape (AT-750795)	PB	TP17	VR8	  <p>Adjust VR8 as the waveform is shown above.</p>
12	Local OSC	Color Bar Tape (AT-750797)	PB	TP15	VC2	<ol style="list-style-type: none"> <li>1. Connect a frequency counter with TP15.</li> <li>2. Adjust VC2 as the frequency counter reads 4.433619 MHz ± 10 Hz.</li> </ol>

Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
13	Skew Jump Input level	Color Bar Tape (AT-750797)	PB	TP504	VR9	 <p>Adjust VR9 as the video signal level at TP504 is <math>0.7 \pm 0.1</math> V<sub>p-p</sub>.</p>
14	Skew Jump Y Demodulator Input level	Color Bar Test Tape (AT-750797)	PB	TP503	VR506	 <p>Adjust VR506 so that the Y Demodulator Input waveform is 80 mV as shown above.</p>
15	0.5H DL Y composition	Color Bar Test Tape	PB	TP504	VL1	 <p>Adjust VL1 so that the Y-level is maximum.</p>
16	Sample and Hold	Self Recorded Tape at LP mode	CUE (LP)	TP502	VR504	 <p>Adjust VR504 as the waveform duty is 50%.</p>



Step	Adjustment Item	Input	Mode	Test Point	Adjustment Parts	Result & Remarks
17	0.5H DL Y-level	Self Recorded Tape at LP mode	Review (LP)	TP2	VR501	 <p>Adjust VR501 so that the 0.5H delayed Y-level and through Y-level are same.</p>
18	VIDEO Output level		PB	TP2	VR505	 <p>Adjust VR505 as the Video Output Y level is <math>1.00^{+0.10}_{-0.20}</math> Vp-p.</p>
19	PB Chroma level	Color Bar Tape (AT-750797)	PB	TP2	VR11	 <p>Adjust VR11 as the cyan level is within <math>0.55 \pm 0.05</math> Vp-p.</p>
20	Charactor Position	Color Bar from Color Bar Generator	EE	Monitor Screen	VR1 (Operation PCB)	 <ol style="list-style-type: none"> <li>1. Display the character on the monitor screen.</li> <li>2. Adjust VR1 as the space A and B are 1.0 : 1.5.</li> </ol>

## 8-4. DEMODULATOR ADJUSTMENT

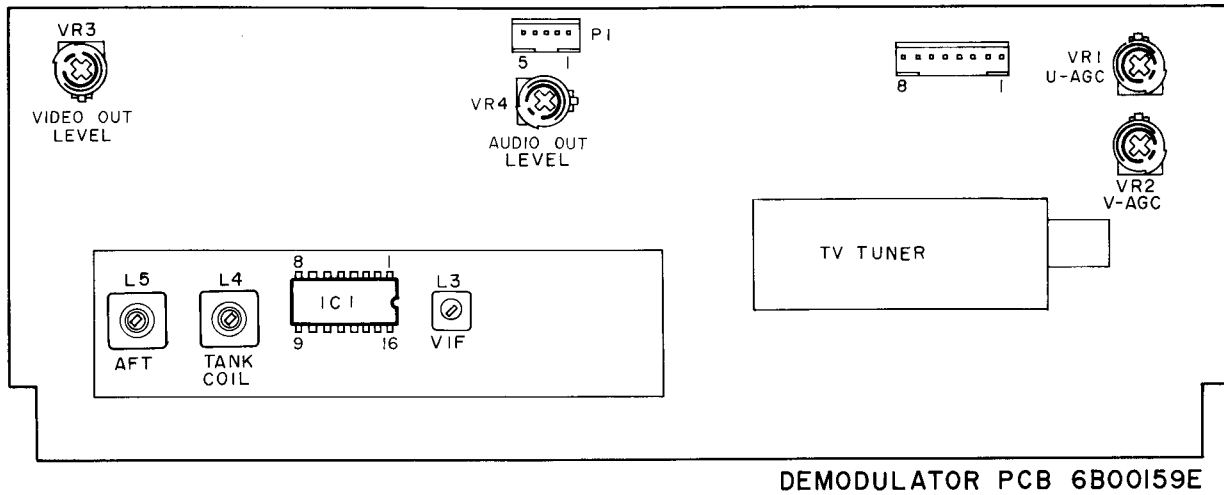


Fig. 8-7 Demodulator P.C Board Adjustment Point

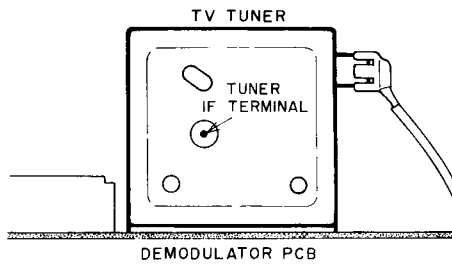
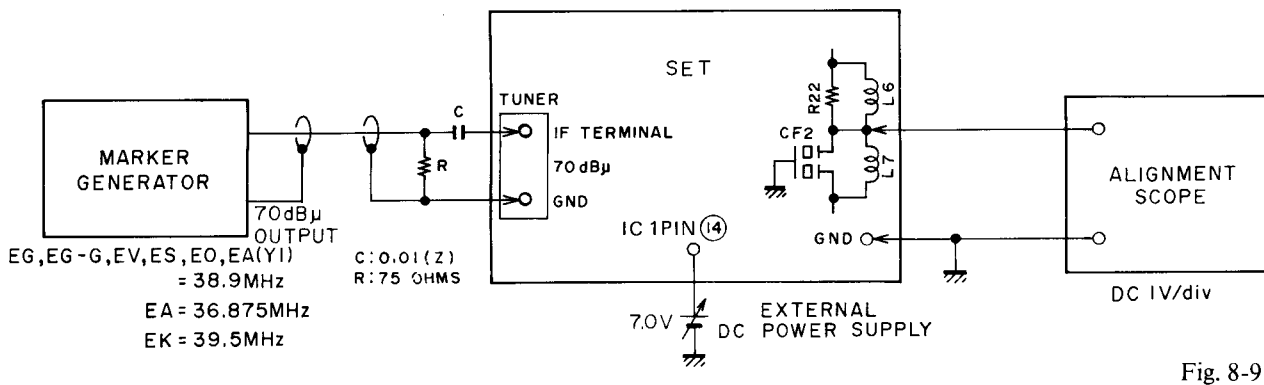


Fig. 8-8 IF Terminal

### 8-4-1. TANK COIL ADJUSTMENT (Refer to Fig. 8-7 to Fig. 8-9)



- Supply 70dB $\mu$  IF frequency (EG, EG-G, EV, EO, ES = 38.9 MHz, EA = 36.875 MHz, EK = 39.5 MHz) to the IF terminal (Refer to Fig. 8-9).
- Connect the alignment scope as shown in Fig. 8-9.
- Supply DC 7.0V to Pin ⑭ of IC1, from the External DC power supply.
- Adjust L4 so that the DC voltage appearing on the alignment scope is minimum.

**Note:** 0 dB $\mu$  = 1  $\mu$ V

\* If only the TANK COIL (L4) was replaced, this adjustment can be accomplished as follows.

- Receive a video signal (color bar, etc.) and observe the video output signal.
- Turn the TANK COIL (L4) counter-clockwise from Lower end (core moves upwards) so that the level of the burst signal becomes minimum as shown in Fig. 8-10.

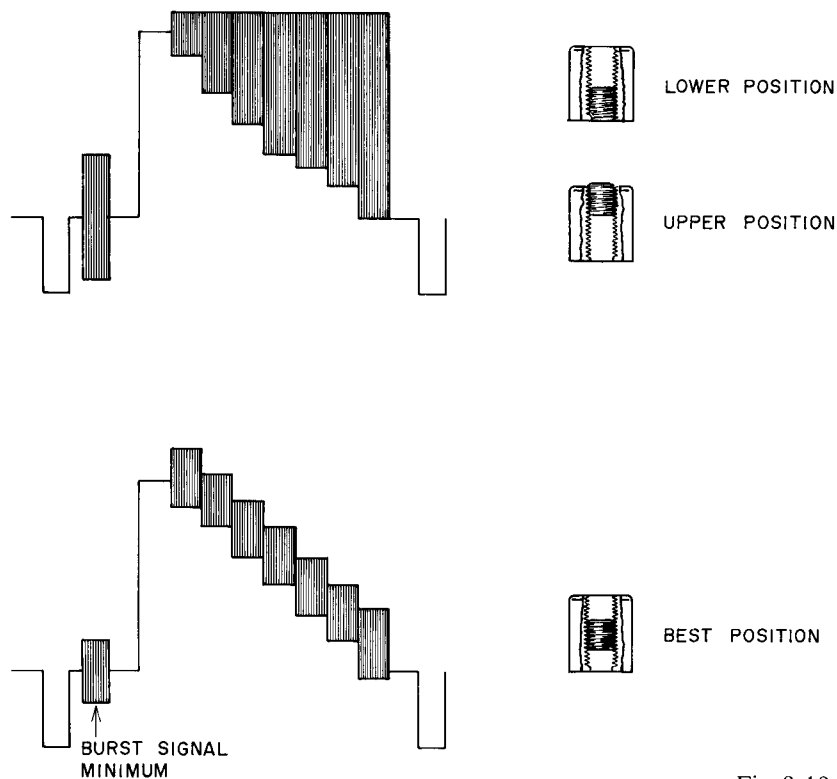


Fig. 8-10

8-4-2. AFT ADJUSTMENT (Refer to Fig. 8-11, 8-12)

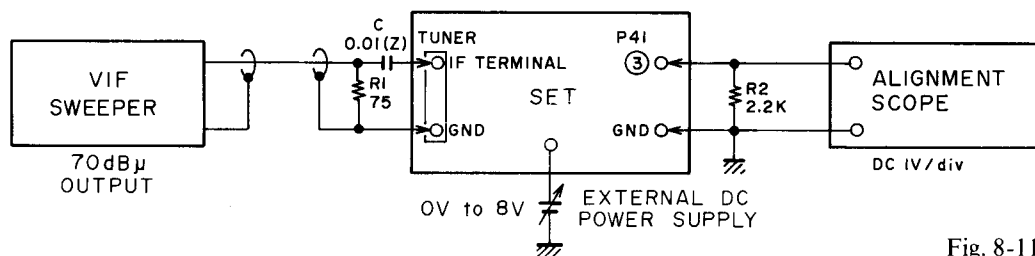


Fig. 8-11

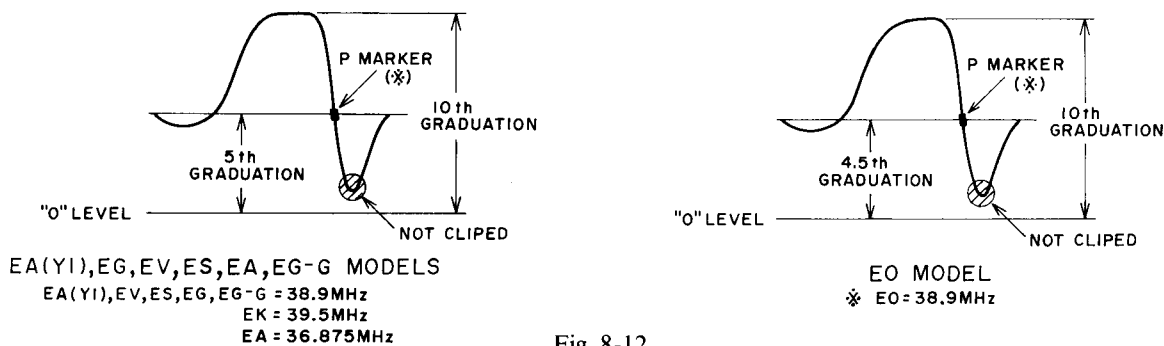


Fig. 8-12

- Connect VIF sweeper output 70 dB $\mu$  to the IF terminal.
- Connect an alignment scope to the AFT terminal (Pin ③ of P41).
- Give an optional size to the waveform with the External DC power supply (not clipped as shown in Fig. 8-12).
- Adjust L5 so that the marker (EG, EG-G, EO, ES = 38.9 MHz, EA = 36.875 MHz, EK = 39.5 MHz) is positioned 5th graduation (4.5th graduation for EO model) of the alignment scope (Fig. 8-12).

# X. CLASSIFICATION OF VARIOUS P.C BOARDS

## 10-1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

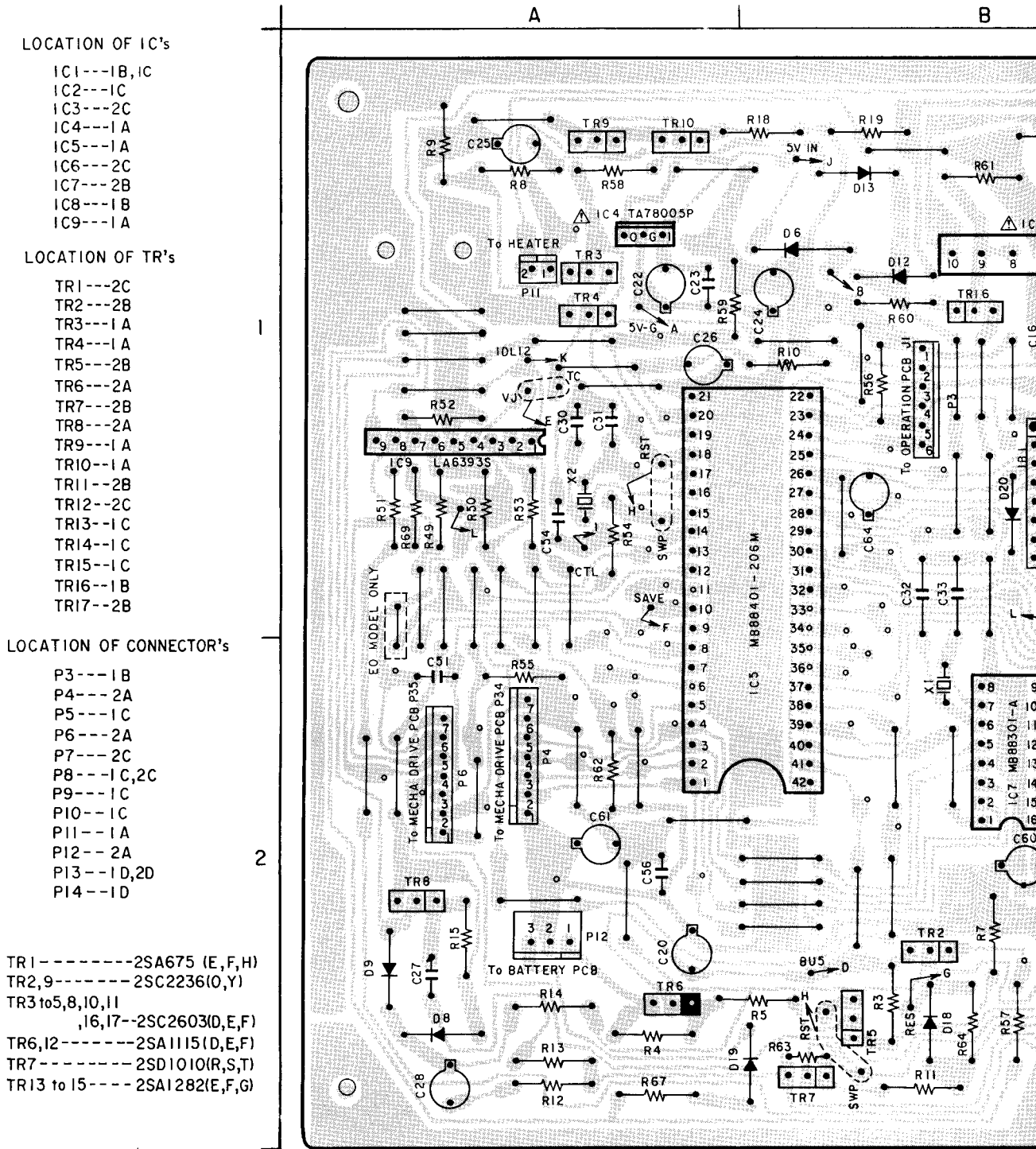
P.C BOARD TITLE		P.C BOARD NUMBER	REMARKS
Power Supply & Syscon	P.C. Board	V1023A5030 (4ED)	
Video	P.C Board	V1015A501A (2ED)	
Servo	P.C Board	V1037B5040	
Operation	P.C Board	V1015A505A (6ED)	
LED	P.C Board	V1015A505B	
LED	P.C Board	V1015A505C	EO Model Only
Pre-Amp	P.C Board	V1015A5070	
Audio	P.C Board	V1037A5010	
Mecha Drive	P.C Board	V1015A502A (6ED)	
L SW (A)	P.C Board	V1015A502B	
L SW (B)	P.C Board	V1015A502C	
Hall IC (L)	P.C Board	V1017D5080	
Hall IC (R)	P.C Board	V1017D5070	
Demodulator	P.C Board	6B00159E	EG,EA,EG-G,EV,EA(Y1)
Demodulator	P.C Board	6B00159E	EO
Demodulator	P.C Board	6B00159E	EK
Demodulator	P.C Board	6B00159E	ES
Antenna SW	P.C Board	V1015A505D	EA Model Only
Power Filter	P.C Board	V1017D5060	
EMDD	P.C Board	V1015C5160 (2ED)	
Sensor (L)	P.C Board	V1015D2150	
Sensor (R)	P.C Board	V1015D2350	
FE Head	P.C Board	V1017D5130	
Relay	P.C Board	V1015D5090	
RS SW	P.C Board	V1015D503D	

### RC-T4 (Remote Control Unit)

P.C BOARD TITLE		P.C BOARD NUMBER	REMARKS
Transmitter (1)	P.C Board		
Transmitter (2)	P.C Board		

# XI. COMPOSITION OF VARIOUS P.C BOARDS

## 11-1. POWER SUPPLY AND SYSCON P.C BOARD V1017A5030 (4ED)



**LOCATION OF IC's**

- IC1---1B,1C
- IC2---1C
- IC3---2C
- IC4---1A
- IC5---1A
- IC6---2C
- IC7---2B
- IC8---1B
- IC9---1A

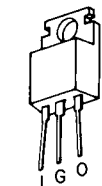
**LOCATION OF TR's**

- TR1---2C
- TR2---2B
- TR3---1A
- TR4---1A
- TR5---2B
- TR6---2A
- TR7---2B
- TR8---2A
- TR9---1A
- TR10---1A
- TR11---2B
- TR12---2C
- TR13---1C
- TR14---1C
- TR15---1C
- TR16---1B
- TR17---2B

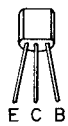
**LOCATION OF CONNECTOR's**

- P3---1B
- P4---2A
- P5---1C
- P6---2A
- P7---2C
- P8---1C,2C
- P9---1C
- P10---1C
- P11---1A
- P12---2A
- P13---1D,2D
- P14---1D

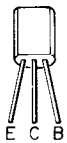
- TR1-----2SA675 (E,F,H)
- TR2,9-----2SC2236(I,O,Y)
- TR3 to 5,8,10,11  
          ,16,17--2SC2603(I,D,E,F)
- TR6,12-----2SA1115(D,E,F)
- TR7-----2SD1010(R,S,T)
- TR13 to 15----2SA1282(E,F,G)



TA78012AP  
TA78005P



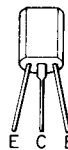
2SA675  
2SD1010



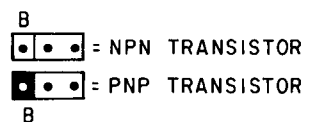
2SC2236



2SA1115  
2SC2603



2SA1282A





# 11-2. VIDEO P.C BOARD V1015A501A (2ED)

## LOCATION OF COMPONENTS

- IC  
 IC1.....B4  
 IC2.....A5  
 IC3.....C3  
 IC4.....D4  
 IC5,6.....C4  
 IC7.....B5  
 IC8,9.....C5,6  
 IC10.....D6  
 IC501.....B1  
 IC503.....D1  
 IC504,505.....C1  
 IC506,507  
 508,509.....C2  
 IC510.....D1  
 IC511,512,  
 513,514.....D2  
 IC515.....B1

- TR  
 TR1,2.....B3  
 TR3.....B4  
 TR4.....B3  
 TR5,6.....A5  
 TR7,9.....B5  
 TR10.....B4  
 TR11,12.....B5  
 TR13.....B6  
 TR14,15.....B5  
 TR16 to 18.....A5  
 TR19,20,22 to 27 --- A4  
 TR28.....C5  
 TR29,30.....D5  
 TR31.....D6  
 TR32.....C5  
 TR33.....C6  
 TR34.....C5  
 TR35,36.....D6  
 TR37.....C3  
 TR38.....B3  
 TR39.....C4  
 TR40.....C3  
 TR41.....D3  
 TR42.....D5  
 TR43.....A4  
 TR44.....A4  
 TR45 to 48.....A3  
 TR501.....B1  
 TR503,503.....C1  
 TR505,506,  
 507,508.....D1  
 TR509,510,511,  
 512,513.....C2  
 TR514.....D2  
 TR515.....D1  
 TR517.....C1

### CONNECTOR

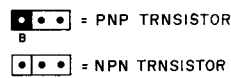
- P15.....B6  
 P16.....D6  
 P18.....A6  
 P29.....B6  
 P46.....D1  
 P85.....C6  
 P86.....A6  
 P87.....A4



2SB774  
 2SC1214  
 2SD1010



2SA1115  
 2SC2603



- VR1....White Clip  
 VR2....LP Rec Y Current  
 VR3....Dark Clip  
 VR4....AGC Gain  
 VR5 ....Deviation  
 VR6....B/C Clip  
 VR7....EE Level  
 VR8....Carrier Balance  
 VR9....Skew Jump  
 Input Level  
 VR10....LP REC  
 Chroma Current  
 VR11....PB Chroma Level  
 VR12....AFC

- VR14....SP REC Y Current  
 VR15....SP REC  
 Chroma Current  
 VC1....Carrier Set  
 VC2....Local OSC  
 VC3....APC  
 VR501...0.5H DL Y Level  
 VR504...Sample and Hold  
 VR505...VIDEO output  
 Level  
 VR506...Skew Jump  
 Y Demodulator  
 Input Level  
 VL501...0.5H DL Y Composition

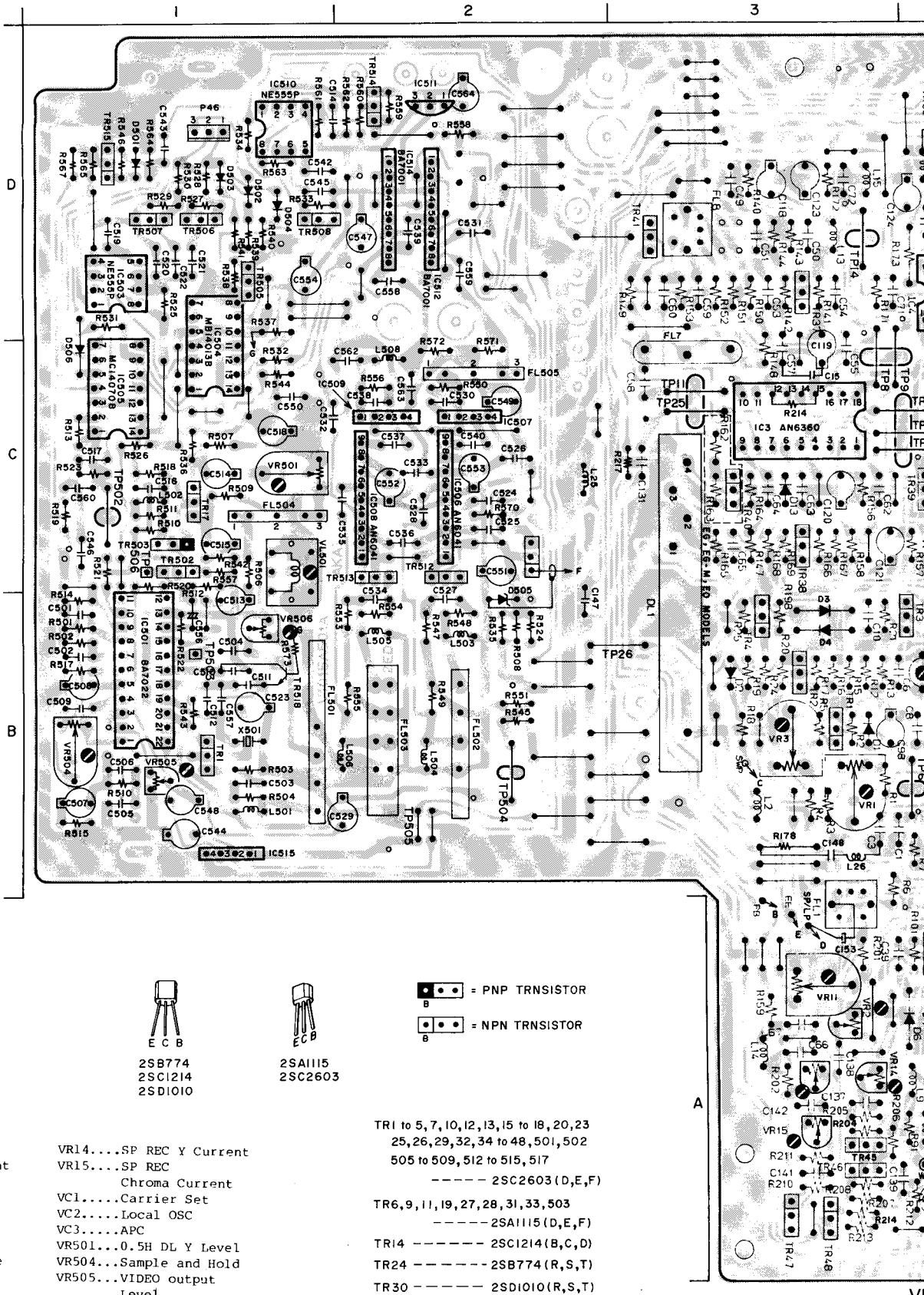
- TR1 to 5,7,10,12,13,15 to 18,20,23  
 25,26,29,32,34 to 48,501,502  
 505 to 509,512 to 515,517  
 ----- 2SC2603 (D,E,F)

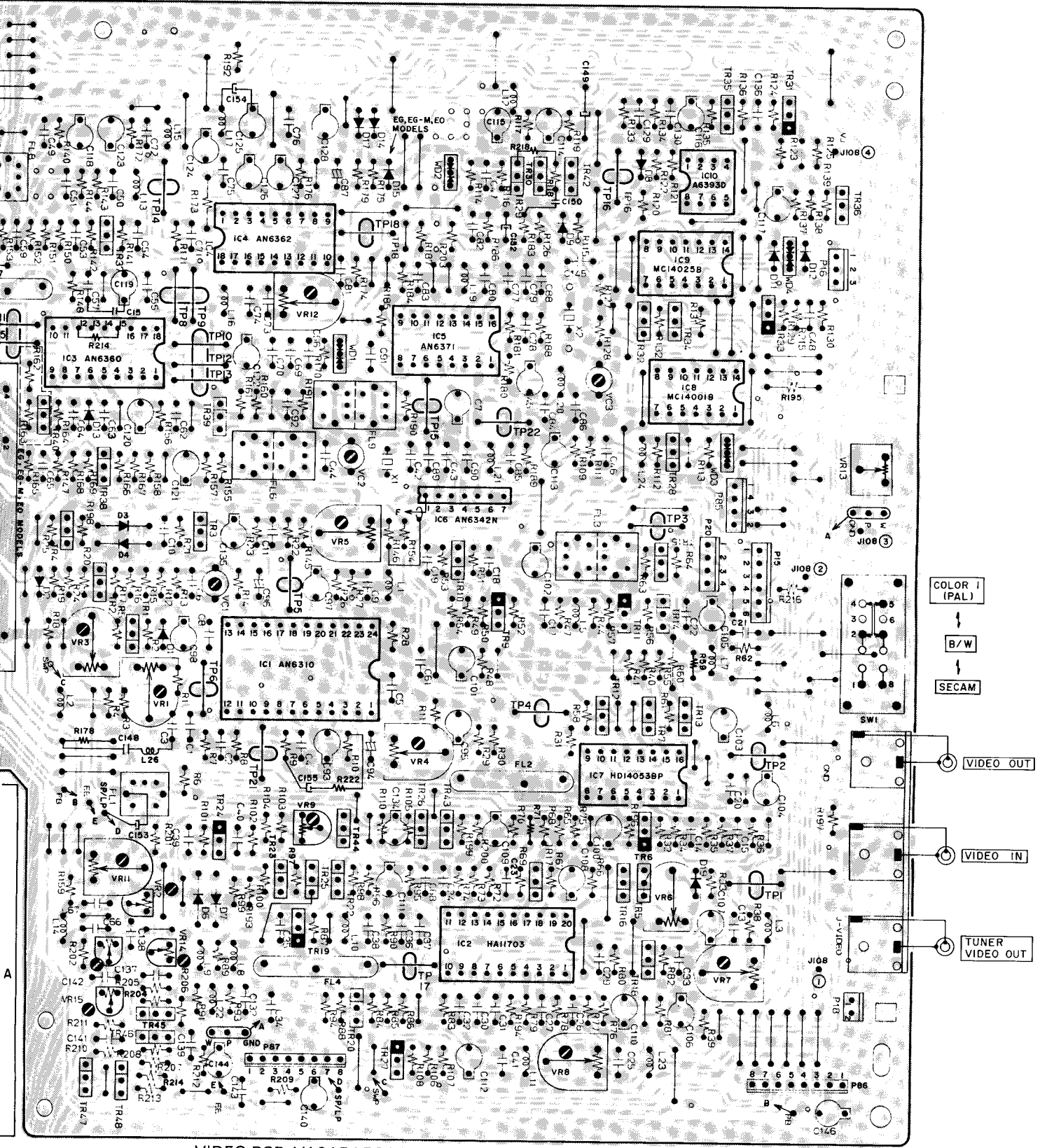
- TR6,9,11,19,27,28,31,33,503  
 ----- 2SA1115 (D,E,F)

- TR14 ----- 2SC1214 (B,C,D)

- TR24 ----- 2SB774 (R,S,T)

- TR30 ----- 2SD1010 (R,S,T)

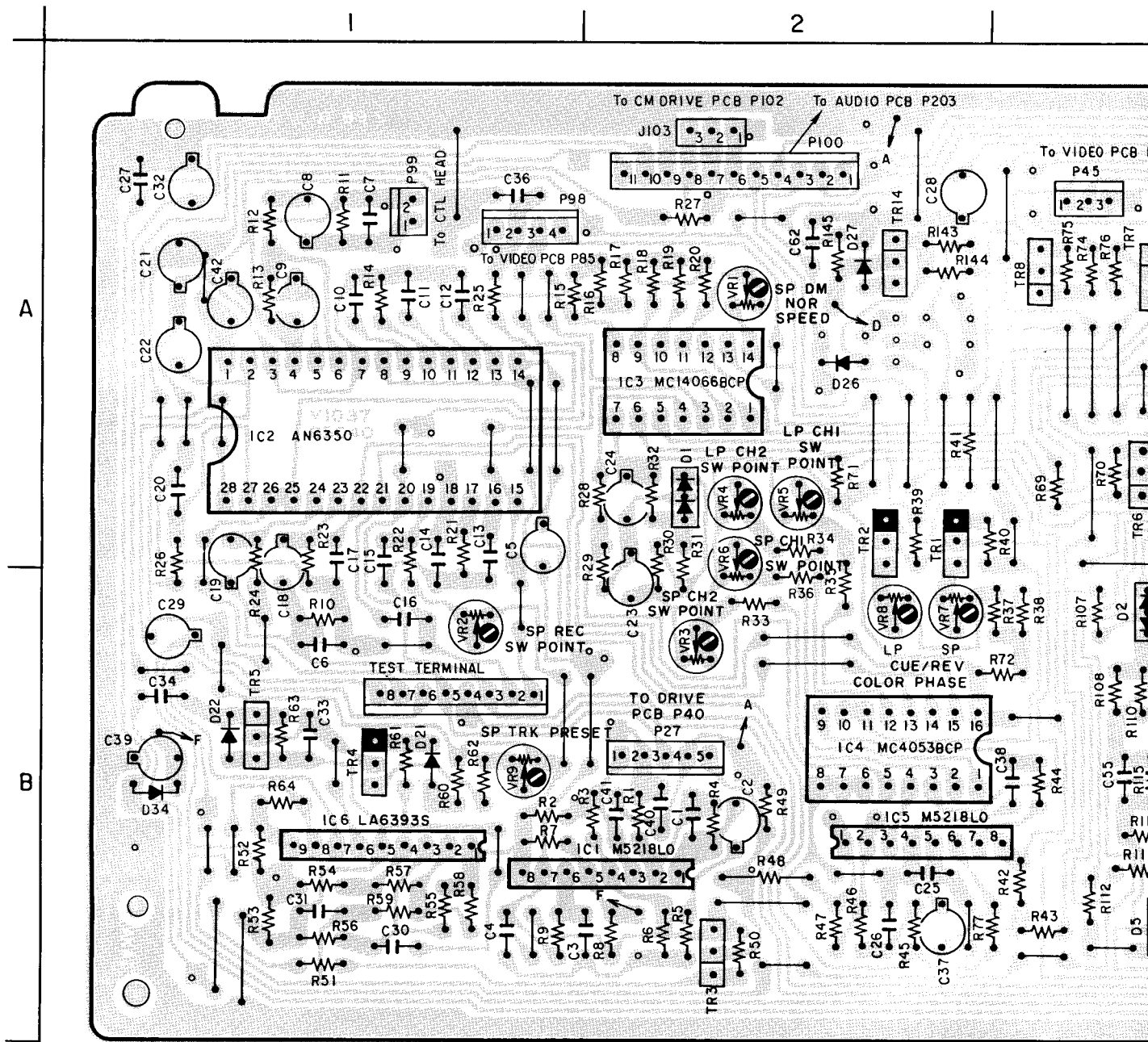




VIDEO PCB V1015A501A (2ED)



# 11-3. SERVO P.C BOARD V1037B5040



## LOCATION OF TR's

- TR1-----A2
- TR2-----A2
- TR3-----B2
- TR4-----B1
- TR5-----B1
- TR6-----A3
- TR7-----A3
- TR8-----A3
- TR9-----B3
- TR10----B3
- TR11----B3

## LOCATION OF IC's

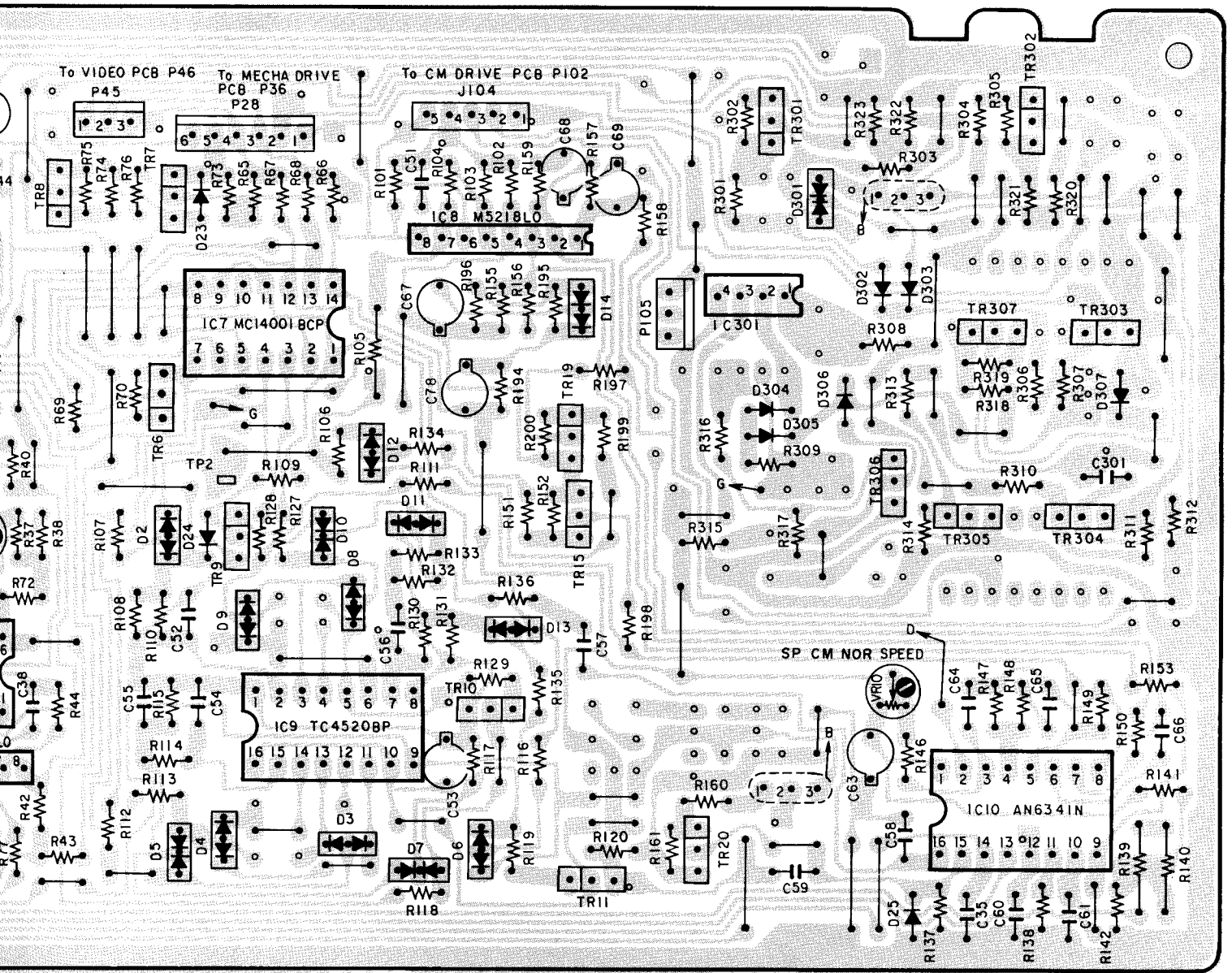
- TR14-----A2
- TR15-----A4
- TR19-----A4
- TR20-----B4
- TR301----A4
- TR302---A5
- TR303---A5
- TR304---B5
- TR305---B5
- TR306---A5
- TR307---A5

## LOCATION OF IC's

- IC1-----B1,B2
- IC2-----A1
- IC3-----A2
- IC4-----B2
- IC5-----B2
- IC6-----B1
- IC7-----A3
- IC8-----A4
- IC9-----B3
- IC10----B5
- IC301----A4

## LOCATION OF CONNECTOR

- P27-----B2
- P28-----A3
- P45-----A3
- P98-----A1
- P99-----A1
- P100----A2
- J103----A2
- J104----A4



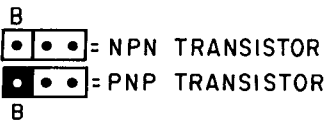
**SERVO PCB VI037B5040**

LOCATION OF CONNECTOR'S

- 27 ----- B2
- 28 ----- A3
- 45 ----- A3
- 98 ----- A1
- 99 ----- A1
- 100 ----- A2
- 103 ----- A2
- 104 ----- A4

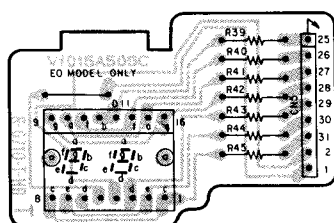
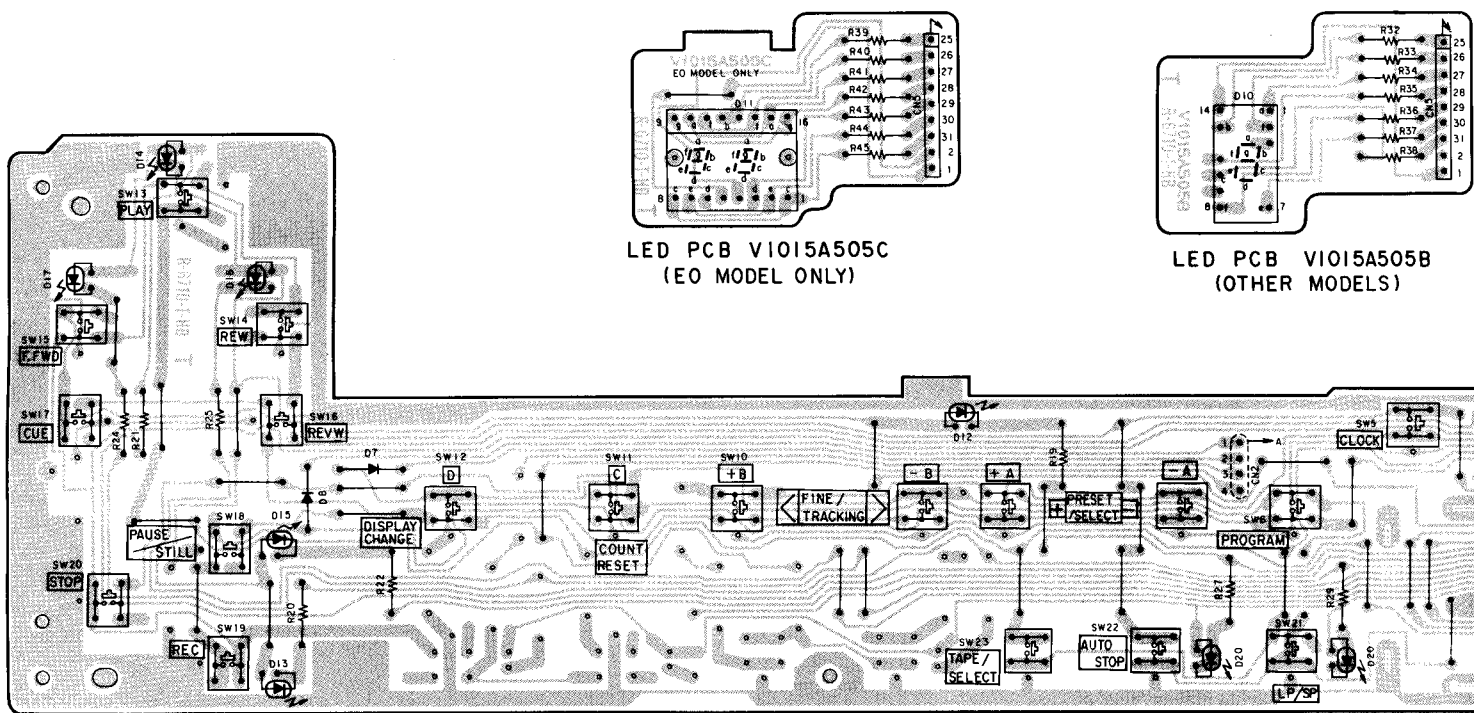


2SA1115  
2SC2603

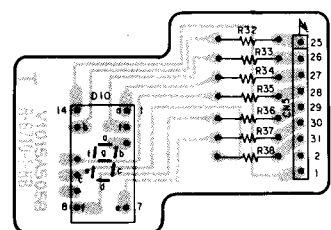


TR 1, 2, 4 ----- 2SA1115 (D, E, F)  
TR 3, 5 to 11, 14, 15, 19, 20, 301 to 307 --- 2SC2603 (D, E, F)

**11-4. OPERATION P.C BOARD V1015A505A (6ED), LED P.C BOARD V1015A505C (EO MODE ONLY), LED P.C BOARD V1015A505B (OTHER MODELS)**



LED PCB V1015A505C  
(EO MODEL ONLY)



LED PCB V1015A505B  
(OTHER MODELS)

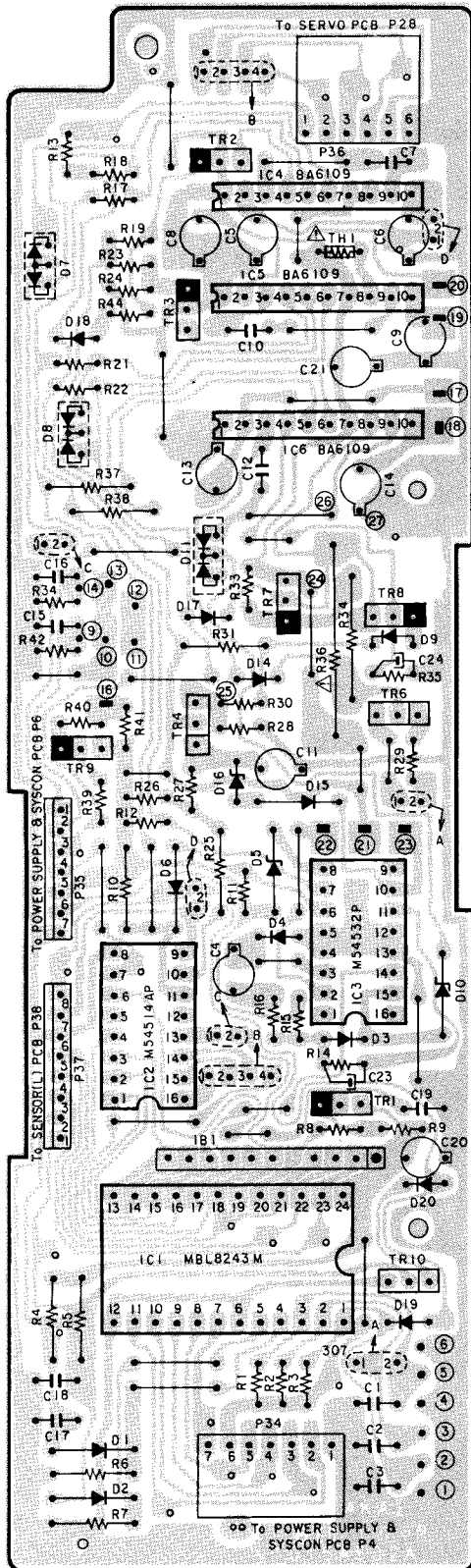
WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.  
 AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

B  
 - PNP TRANSISTOR

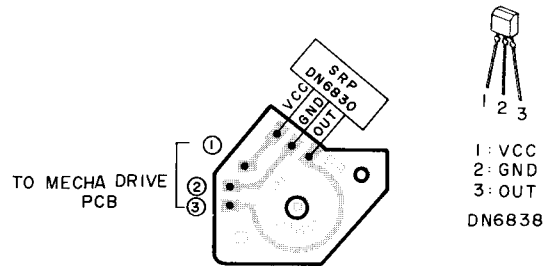
TR1 to 4 ----2SA1115 (D,E,F)  
 TR5 -----2SJ40



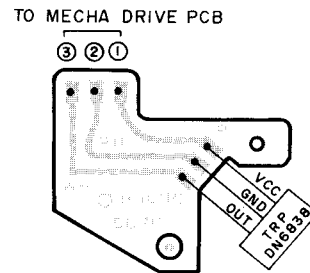
11-5. MECHA DRIVE P.C BOARD V1015A502A (6ED), HALL IC (L) P.C BOARD V1017D5080  
 HALL IC (R) P.C BOARD V1017D5070, L SW B P.C BOARD V1015A502B, L SW A P.C  
 BOARD V1015A502C, RS SW P.C BOARD V1015A502D



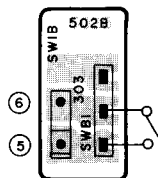
MECHA DRIVE PCB V1015A502A (6ED)



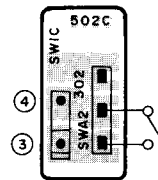
HALL IC(L) PCB V1017D5080



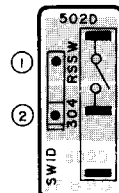
HALL IC(R) PCB V1017D5070



L SW B PCB V1015A502B



L SW A PCB V1015A502C

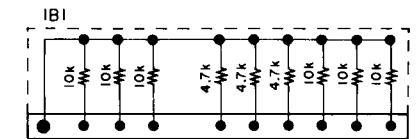
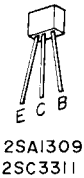
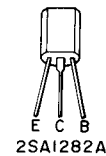


RS SW PCB V1015A502D

●●● = PNP TRANSISTOR  
 B

●●● = NPN TRANSISTOR  
 B

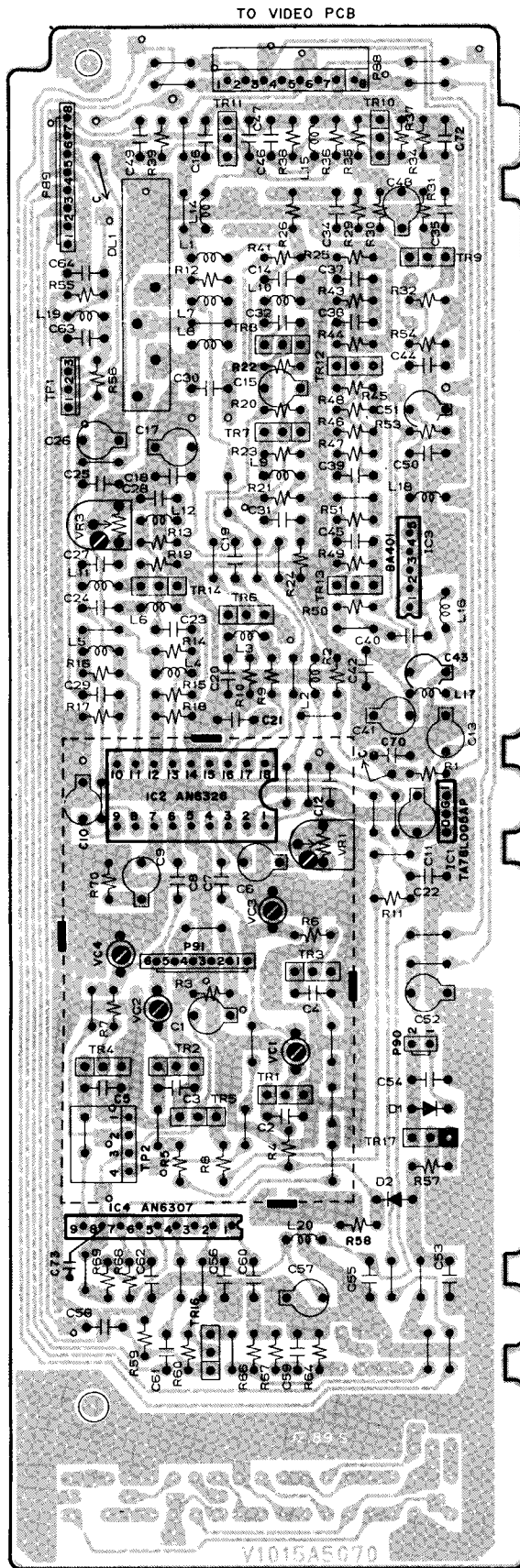
TR1 to 3,9 ---- 2SA1309 (Q,R,S)  
 TR4,6,10 ---- 2SC3311 (Q,R,S)  
 TR8 ---- 2SA1309 (R,S)  
 TR7 ---- 2SA1282 (E,F,G)



WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

# 11-6. PRE AMP P.C BOARD V1015A5070



PRE AMP PCB V1015A5070

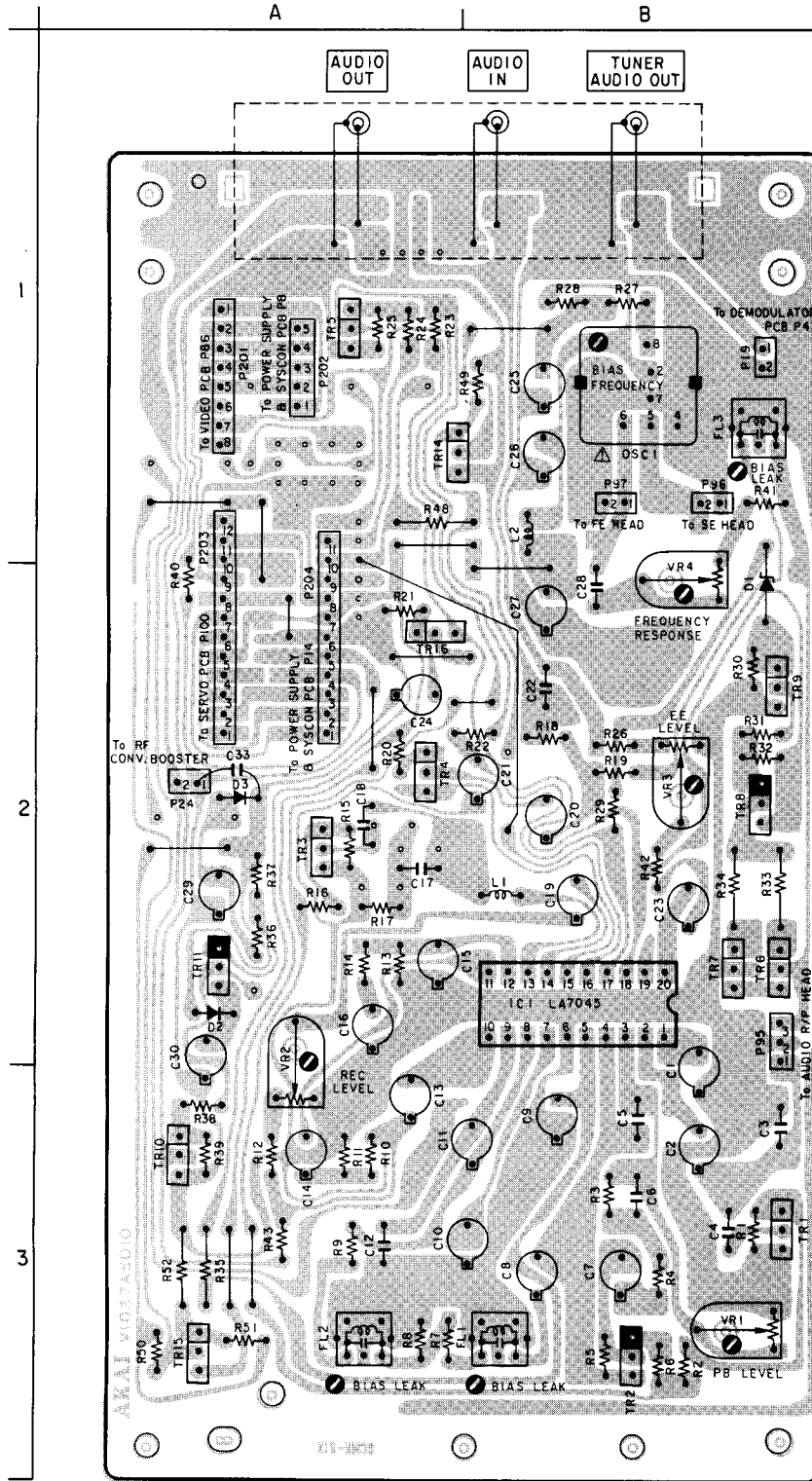
TR1 to TR14, TR16, TR18, TR19  
 ----- 2SC2603(D,E,F)  
 TR17 ----- 2SA1115(D,E,F)



VC1 LP CH2 F0  
 VC2 LP CH1 F0  
 VC3 SP CH2 F0  
 VC4 SP CH1 F0  
 VR1 CHANNEL BALANCE

●●● = PNP TRANSISTOR  
 B  
 ●●● = NPN TRANSISTOR  
 B

# 11-7. AUDIO P.C BOARD V1037A5010

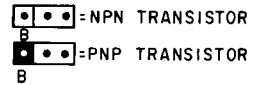


### LOCATION OF TR

- TR1-----B3
- TR2-----B3
- TR3-----A2
- TR4-----A2
- TR5-----A1
- TR6-----B2
- TR7-----B2
- TR8-----B2
- TR9-----B2
- TR10-----A3
- TR11-----A2
- TR14-----A1
- TR15-----A3
- TR16-----A2

### LOCATION OF CONNECTOR

- P201-----A1
- P202-----A1
- P203-----A2
- P204-----A2
- P97-----B1
- P96-----B1
- P95-----B2
- P24-----A2
- P19-----B1



- TR1,3,5,9,10  
14,16-----2SC2603 (D,E,F)
- TR2,11-----2SA1115 (D,E,F)
- TR4-----2SD1010
- TR6,7-----2SD958 (S,T,U)
- TR8-----2SB788 (S,T,U)
- TR15-----2SC2603 (E,F)

AUDIO PCB V1037A5010



2SA1115  
2SC2603



2SD1010

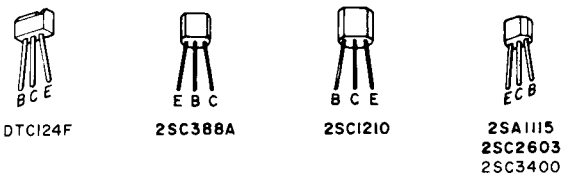


2SB788  
2SD958

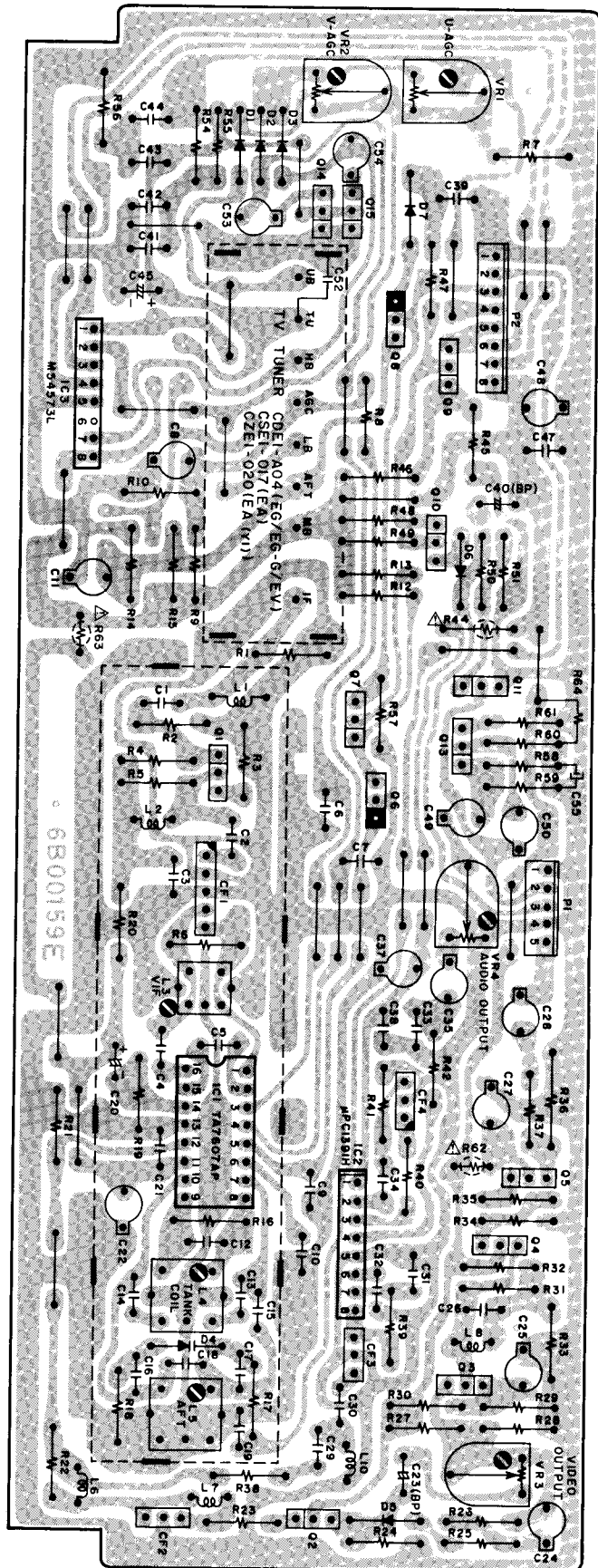
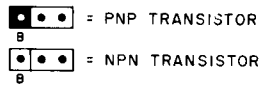
WARNING:  $\Delta$  INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT:  $\Delta$  IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

# 11-8. DEMODULATOR P.C BOARD (EG/EA/EG-G/EV/EA(Y1))



- Q1 ----- 2SC388A
- Q2,3,4,7,9,10,11,13 -- 2SC2603 (D,E)
- Q5 ----- 2SC1210 (D,E)
- Q6,8 ----- 2SA1115 (D,E)
- Q14,15 ----- DTC124F



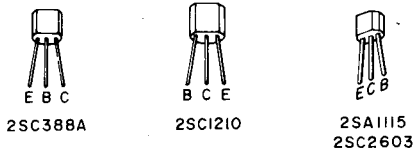
WARNING ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

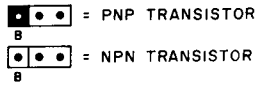
DEMOMULATOR PCB (EG/EA/EG-G/EV/EA(Y1))



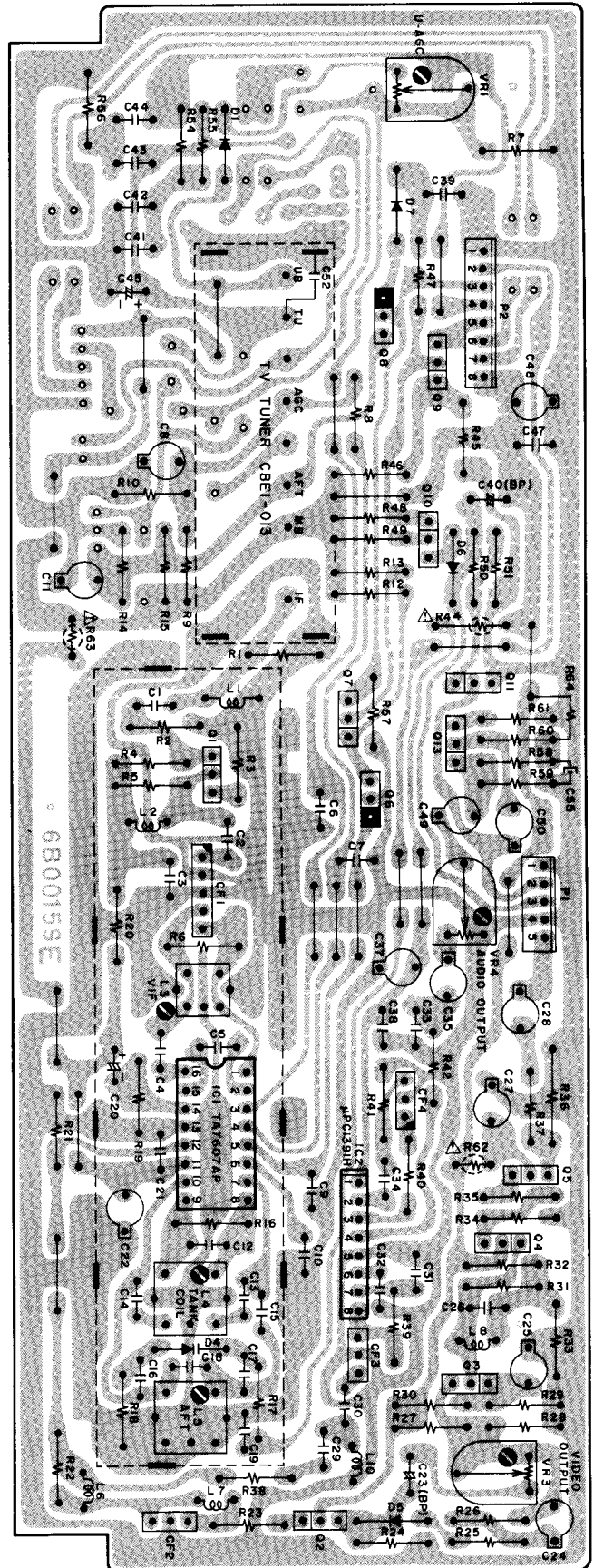
# 11-9. DEMODULATOR P.C BOARD (EK)



- Q1 ----- 2SC388A  
 Q2, 3, 4, 7, 9, 10, 11, 13 -- 2SC2603 (D, E)  
 Q5 ----- 2SCI210 (D, E)  
 Q6, 8 ----- 2SA1115 (D, E)

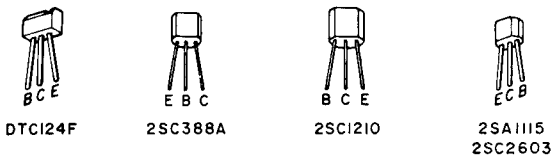


WARNING ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY.  
 REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
 RECOMMENDED PARTS.  
 AVERTISSEMENT ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE.  
 POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL.  
 NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT

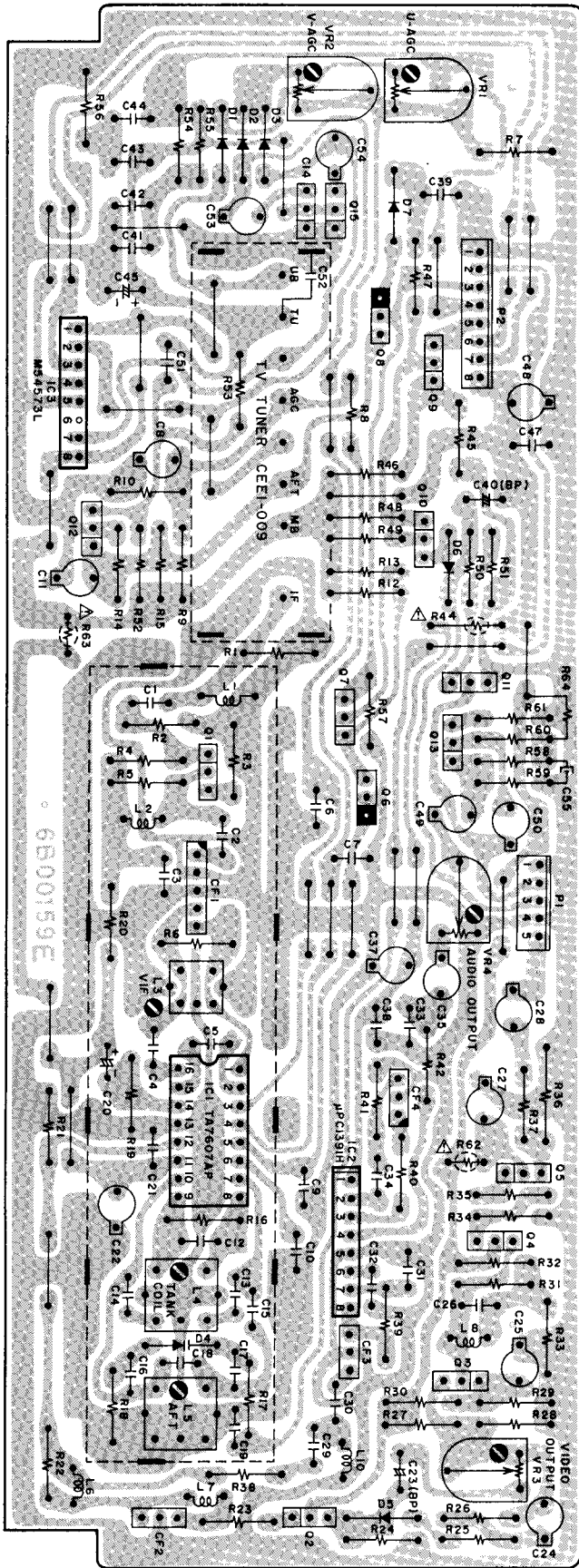
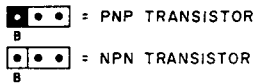


DEMOMULATOR PCB (EK)

# 11-10. DEMODULATOR P.C BOARD (EO)



- Q1 ----- 2SC388A
- Q2,3,4,7,9,10,11,13--2SC2603 (D,E)
- Q5 ----- 2SC1210 (D,E)
- Q6,8,12 ----- 2SA1115 (D,E)
- Q14,15 ----- DTC124F

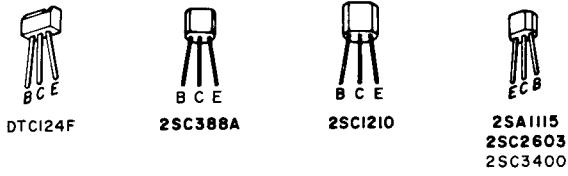


DEMOMULATOR PCB (EO)

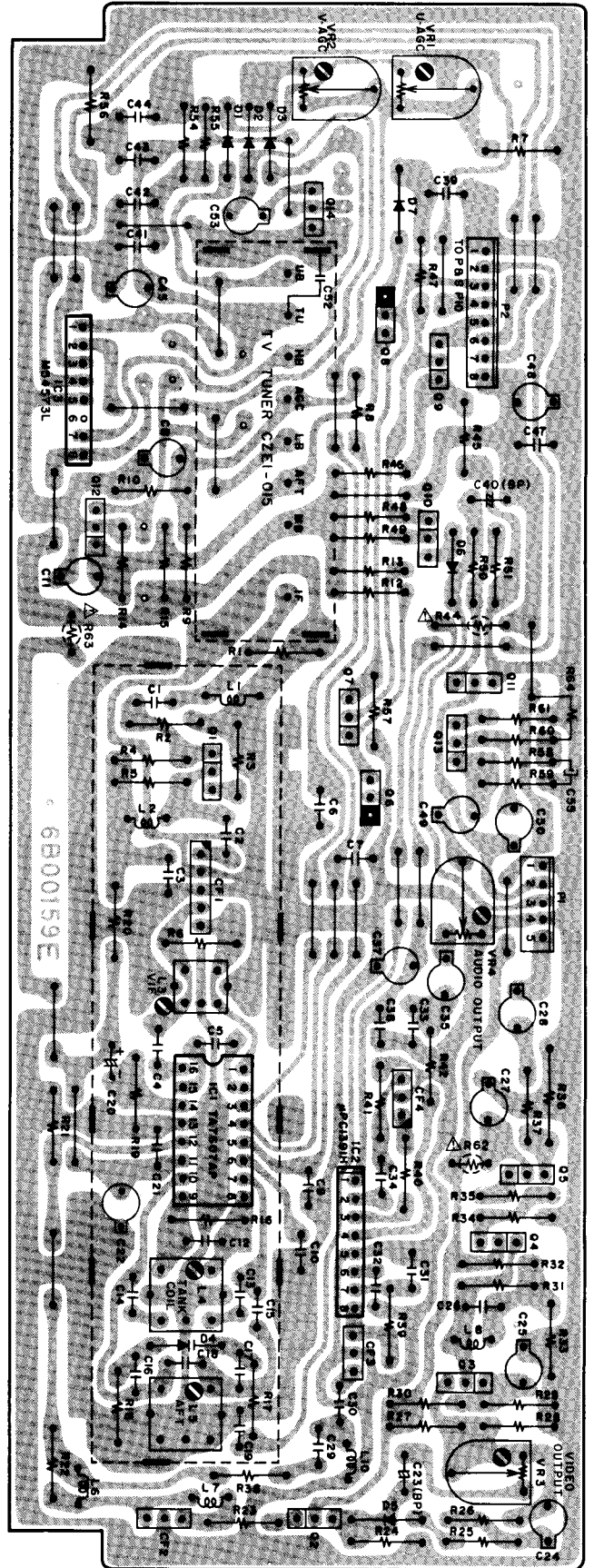
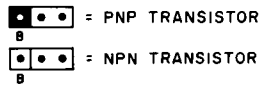
WARNING:  $\Delta$  INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT:  $\Delta$  IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

# 11-11. DEMODULATOR P.C BOARD (ES)



- Q1 ----- 2SC388A
- Q2,3,4,7,9,10,11,13 -- 2SC2603 (D,E)
- Q5 ----- 2SC1210 (D,E)
- Q6,8, ----- 2SA1115 (D,E)
- Q14 ----- DTIC124F

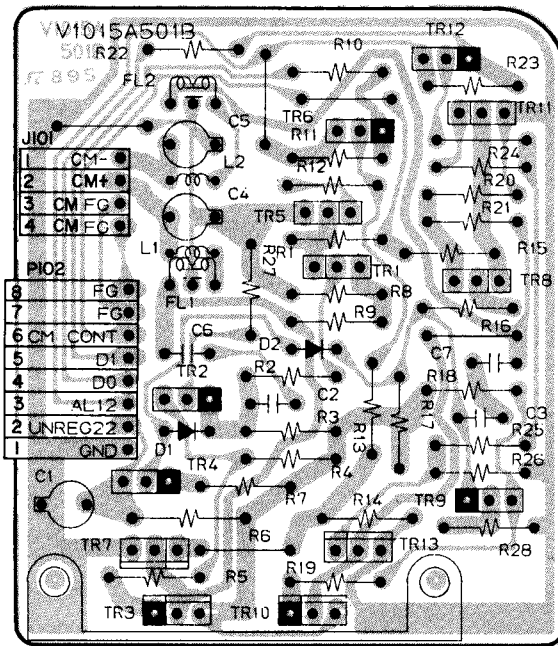


WARNING ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

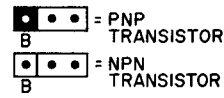
AVERTISSEMENT ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

DEMOMULATOR PCB (ES)

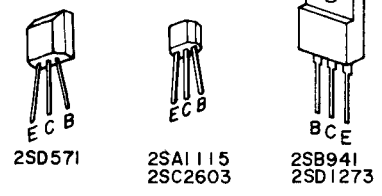
### 11-12. CM DRIVE P.C BOARD V1015A501B



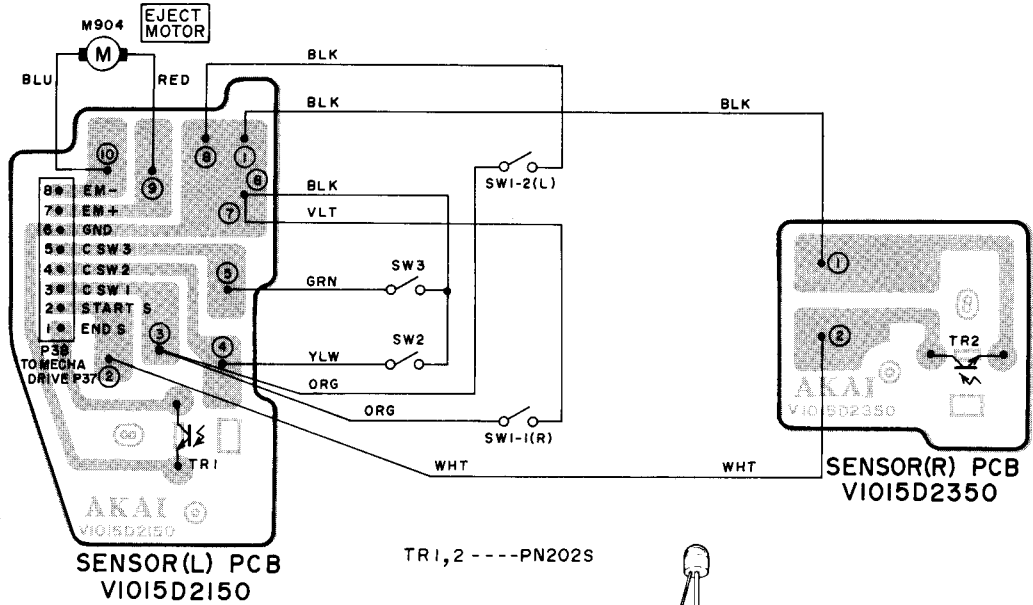
- TR1,8  
2SD571(K,L)
- TR2,4,6,9,12  
2SA1115(D,E,F)
- TR3,10  
2SB941(P)
- TR5,11  
2SC2603(D,E,F)
- TR7,13  
2SD1273(P,Q)



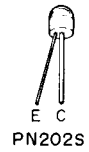
CM DRIVE PCB V1015A501B



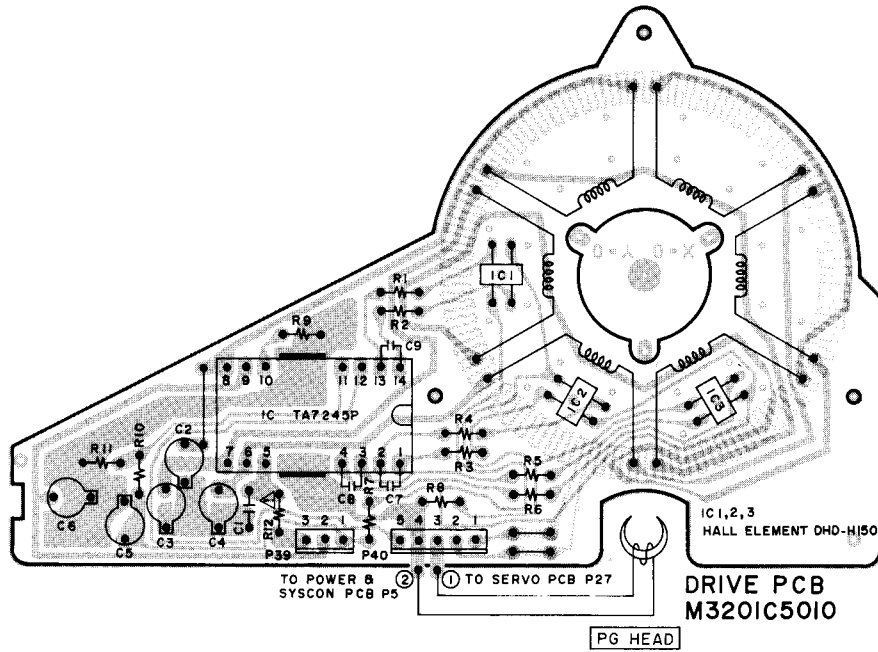
### 11-13. SENSOR (L) P.C BOARD V1015D2150, SENSOR (R) P.C BOARD V1015D2350



TR1,2 ----PN202S



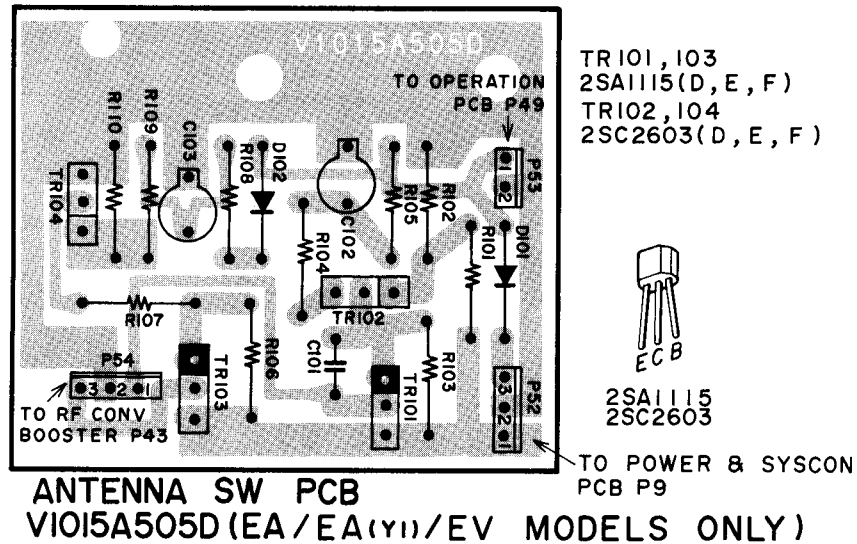
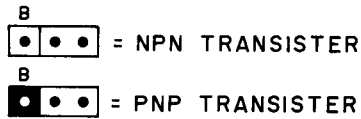
11-14. DRIVE P.C BOARD M3201C5010



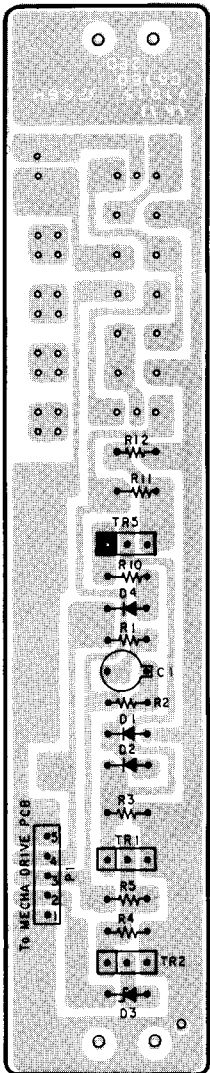
WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL. NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

11-15. ANTENNA SW P.C BOARD V1015A505D (EA/EA(Y1)/EV MODELS ONLY)



# 11-16. OTHER P.C BOARDS



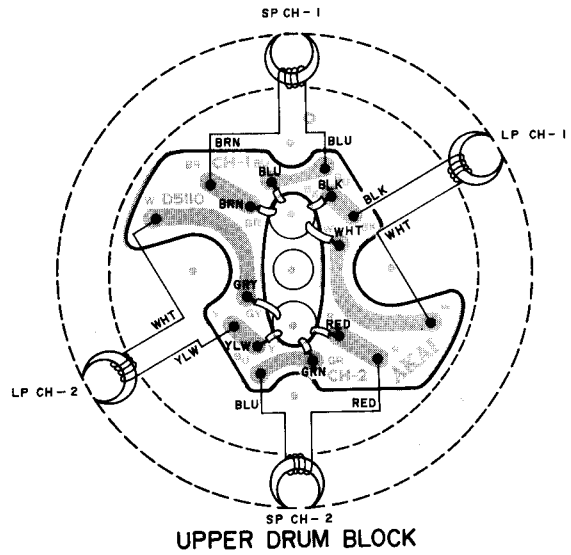
EMDD PCB VIO15C5160

TR1,2---2SC2603(D,E,F)  
TR5-----2SA1115(D,E,F)

= PNP TRANSISTOR  
 = NPN TRANSISTOR

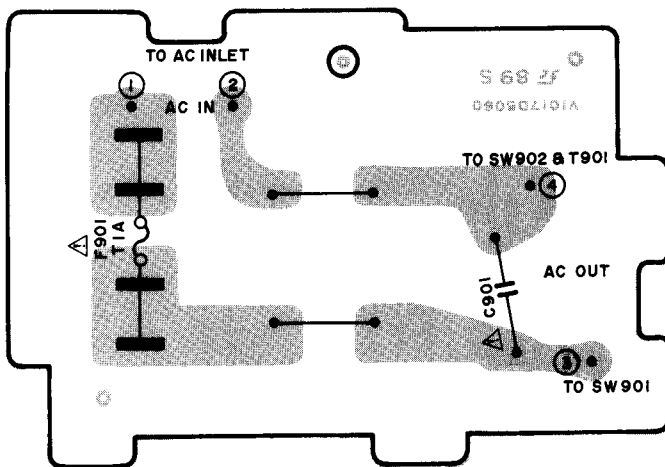
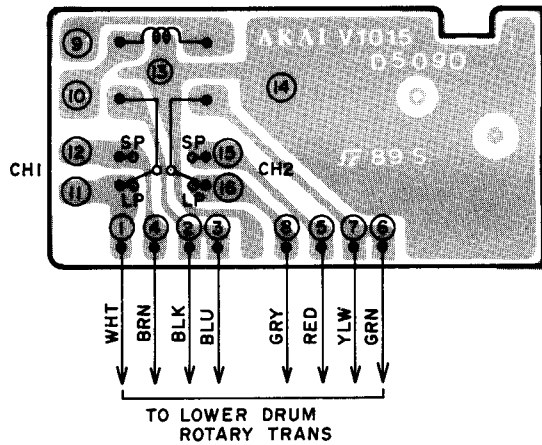


2SA1115  
2SC2603



UPPER DRUM BLOCK

RELAY PCB VIO15D5090

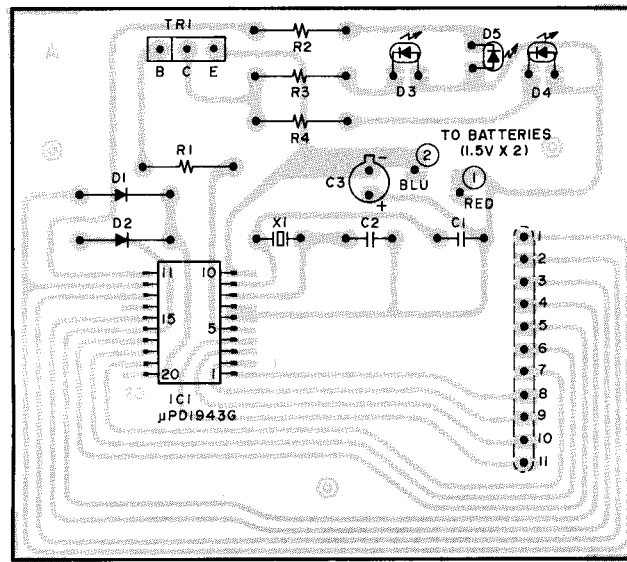


POWER FILTER PCB VIO17D5060

WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

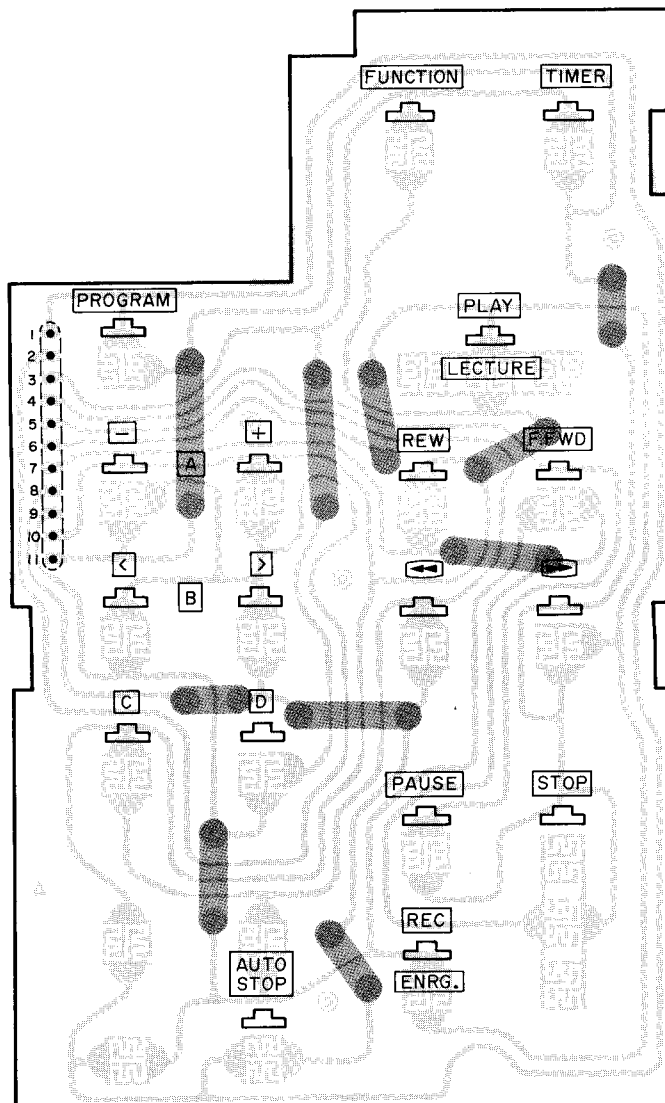
11-17. REMOTE CONTROL TRANSMITTER P.C BOARDS (1), (2)



TRANSMITTER (1) PCB



TRI 2SD545



TRANSMITTER (2) PCB

SECTION 3

**PARTS LIST**

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3. MECHA FRAME BLOCK (2).....	88
4. EJECTOR ASSY .....	89
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## ATTENTION

1. When placing an order for parts, be sure to list the parts no. model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because parts number and parts unit supply in the Preliminary Parts List may be partially changed, please use this parts list for all future reference.

## HOW TO USE THIS PARTS LIST

1. This Parts List shows the parts that are considered necessary for repairs. Other parts, such as resistors and capacitors, are shown in the "Common List for Service Parts". Select and order such parts from the "Common List for Service Parts".
2. The Recommended Spare Parts shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not be supplied in principle.
4. How to read list
  - a) Mechanism Block
  - b) P.C Board Block

### 2. HEAD BASE BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
2-1x	BH-T2023A320A	HEAD BASE BLOCK GX-F66R
2-2	HP-H2206A010A	HEAD R/P PR4-8FU C
2-3	ZS-477876	PAN20x03STL CMT
2-4	ZS-536488	BID20x08STL CMT
2-5	ZG-402895	CS ANGLE ADJUST SPRING

SP (Service Parts) Classification  
 A small "x" indicates the inability to show that particular part in the Photo or Illustration.  
 This number corresponds with the individual parts index number in that figure  
 This number corresponds with the Figure Number

### 6. SYS. CON. P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
6-1	BA-T2034A070A	PC SYS CON BLK GX-F44R
6-IC1	EI-324536	IC HD14049BP
6-IC2	EI-336801	IC MB8841-564M
6-IC3	EI-331661	IC SN7405N
6-IC4	EI-336725	IC M54527P
6-TR1to4	ET-200985	TR 2SC2603 F,G
6-TR5to28	ET-554657	TR 2SA733A P,Q
6-D1	ED-318292	D SILICON H 1S2473T-77 T26
6-D2to4	ED-308952	D GERMA V 1K34A-LR F07
6-D5to10	ED-318292	D SILICON H 1S2473T-77 T26
6-X1	EI-318384	OSC X'TAL NC-18C 3.579545MHZ

SP (Service Parts) Classification  
 This reference numbers corresponds with symbol numbers of Schematic Diagrams.

5. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List. It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index.

## WARNING

⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

## AVERTISSEMENT

⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

# I. MODEL VS-6EG/EG-G/EA/EA(Y1)/EK/EO/ES/EV

## RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.
1	BA-M3202A020A	PC DRIVE (2) BLK BLM-410	72	EH-348224	DL MS-26 (H-3K)	142
2	BM-749896	L MOTOR SUB ASSY (3)	73	EH-345114	FILTER BP LJ20BP 4.43 MHz x 0.3 4.43MC	143
3	BM-352233	MOTOR CAPSTAN DMF-4923				144
4	BM-348088	MOTOR MMN-5C2RP	74	EH-324339	FILTER LC AP LCB-56	145
5	BM-345265	MOTOR REEL MJB5B51	75	EH-324375	FILTER LC BP LCB-57 4.43MHz	146
6	BM-B344824	ROTOR PART	76	EH-325807	FILTER LC BP LCB-61 5.06MHz	147
7	BR-347732	SUPPLY REEL TABLE BLK	77	EH-330465	FILTER LC DST310-55B271M	148
8	BR-347731	TU REEL TABLE BLK	78	EH-324305	FILTER LC HP LCB-53	149
9	BT-345135	△ TRANS POWER VS-4-1A	79	EH-324398	FILTER LC LP LCB-58	150
10	BT-348518	△ TRANS POWER VS-4-2A	80	EH-345113	FILTER LC LP LJ25LP3.4MHz02	151
11	BT-348519	△ TRANS POWER VS-4-7A	81	EH-348142	FILTER LP LJ25LP 3.4MHz01	152
12	BV-V1015A110A	LOWER DRUM BLK VS-8EG	82	EH-348368	FILTER LP LPF1.50	153
13	BV-350626	RF MODULATOR MDW2-633	83	EH-348367	FILTER LP LPF500	154
14	BV-345124	RF MODULATOR MDW3-253	84	EI-347757	△ IC STK5325	155
15	BV-345125	RF MODULATOR MIW3-253	85	EI-315243	△ IC TA78005P	156
16	BV-345129	RF MODULATOR MSW2-633	86	EI-347758	△ IC TA78012AP	157
17	BV-345126	RF MODULATOR MSW3-253	87	EI-336987	HALL ELEMENT DHD-H150	158
18	BV-V1015A120A	UPPER DRUM BLK VS-8EG	88	EI-341516	IC AN6041	159
19	EC-346765	C S-FIX H ECR-HA010A11 2.8-10	89	EI-307616	IC AN608P	160
20	EC-346764	C S-FIX H ECR-HA020D11 4-20	90	EI-324204	IC AN6310	161
21	EC-348972	C S-FIX V ECR-HB050G11	91	N EI-347763	IC AN6326	162
22	ED-337617	△ D SILICON DBB50C-K8 200/5.0A	92	EI-321604	IC AN6341N	163
23	ED-322238	△ D SILICON 1B4B41 100/1.0A	93	EI-324203	IC AN6342N	164
24	ED-347776	D LED BG5608S GRN	94	EI-326044	IC AN6350	165
25	ED-347777	D LED BR5628S RED	95	EI-324151	IC AN6360	166
26	ED-352239	D LED BU1170-4BR-RED	96	EI-324160	IC AN6362	167
27	ED-249377	D LED GL3AR1 RED	97	EI-324182	IC AN6371	168
28	ED-283138	D LED GL3PG1 GRN	98	EI-337964	IC BA401	169
29	ED-347775	D LED SL2179-01 GRN	99	EI-330352	IC BA6109	170
30	ED-348462	D LED SL2221T GRN	100	EI-348222	IC BA7001	171
31	ED-351202	D PHOTO PN313 AK	101	EI-348220	IC BA7022	172
32	ED-337618	D SILICON DS135E-FB6 100/1.0A	102	EI-347733	IC DN6838	173
33	ED-301911	D SILICON H DS448	103	EI-321605	IC DN819	174
34	ED-344280	D SILICON H GMA-01-FY2 F05	104	EI-322309	IC HA11703	175
35	ED-523427	D SILICON H ISS16	105	N EI-328593	IC HD14053BP	176
36	ED-523427	D SILICON H ISS16	106	EI-347781	IC LA6393D	177
37	ED-604541	D SILICON H IS2076	107	EI-347779	IC LA6393S	178
38	ED-624903	D SILICON H IS2473	108	EI-347780	IC LA7045	179
39	ED-347767	D SILICON V MC911 DOUBLE	109	EI-347766	IC MBL8243M	180
40	ED-347768	D SILICON V MC921 DOUBLE	110	EI-337519	IC MB88301-A	181
41	ED-348205	D SILICON V MC931 DOUBLE	111	EI-347773	IC MB88303M	182
42	N ED-705479	D VARACTOR 1SV70	112	EI-345133	IC MB88401-206M	183
43	ED-347899	D ZENER H HZ20CP	113	EI-349121	IC MB88401-233K	184
44	ED-346595	D ZENER H HZ3 C2	114	EI-349122	IC MB88401-234K	185
45	N ED-346515	D ZENER H HZ30FA F10 1	115	EI-310183	IC MC14001BCP	186
46	N ED-346468	D ZENER H HZ9FA F10 B1	116	EI-257602	IC MC14011BCP	187
47	ED-352611	D ZENER H MA1062H	117	EI-698703	IC MC14013BCP	188
48	N ED-348042	D ZENER V HZ9C-1S7	118	EI-310038	IC MC14025BCP HD14025BP	189
49	ED-349816	D ZENER V MA1056H	119	N EI-200572	IC MC14053BCP CD4053	190
50	EE-345115	TV TUNER CDE1-A04	120	EI-304475	IC MC14066BCP	191
51	EE-345116	TV TUNER CBE1-013	121	EI-330392	IC MC14070BCP	192
52	EE-345118	TV TUNER CEE1-009	122	EI-348897	IC M51014L	193
53	EE-345117	TV TUNER CSE1-017	123	EI-337228	IC M5218LO	194
54	EE-345121	TV TUNER CZE1-015	124	EI-347769	IC M54514AP	195
55	EE-352284	TV TUNER CZE1-020	125	EI-337503	IC M54532P	196
56	EF-347968	△ FUSE ICP-F10 150V 0.4A	126	EI-347760	IC M54534P	197
57	EF-346880	△ FUSE ICP-F15 150V 0.6A	127	EI-749829	IC M54573L	198
58	EF-668474	△ FUSE SEMKO T 250V 0.40A	128	EI-348229	IC NE555P	199
59	EF-601942	△ FUSE SEMKO T 250V 0.63A	129	EI-344921	IC TA7245BP	200
60	EF-623103	△ FUSE SEMKO T 250V 1.00A	130	EI-705494	IC TA7607AP	201
61	EF-601301	△ FUSE SEMKO T 250V 2.00A	131	EI-337529	IC TA78L005AP	202
62	EF-691007	△ FUSE SEMKO T 250V 3.15A	132	EI-300834	IC TC4520BP	203
63	EH-347735	COMP R M-3724	133	EI-749828	IC UPC1391H	204
64	EH-347744	COMP R M-3725	134	EI-337530	IC UPC574J	205
65	EH-347743	COMP R RKC 1/8 B4 10K J	135	EI-349372	OSC CE CSA4.00MG 4MHz	206
66	EH-347737	COMP R RKC1/8 B16 4.7K J	136	EI-330256	OSC CE F85-006 4MHz	207
67	EH-347736	COMP R RKC1/8B15 4.7K J	137	EI-348543	OSC X*TAL HC-18/U 10.240000MHz	208
68	EH-348223	DL MS-26H H-2K	138	EI-347434	OSC X*TAL HC-18/U 4.194304MHz	209
69	EH-352402	DL EFD JR-124A13F	139	EI-309878	OSC X*TAL 4.433619MHz	210
70	EH-322365	DL FED-EN645A11E	140	EI-322347	DSC X*TAL 4.435571MHz	211
71	EH-348225	DL MS-19 (L-11)	141	EL-332451	PL CORD 12.0V 60MA	212

# G/EA/EA(Y1)/EK/EO/ES/EV

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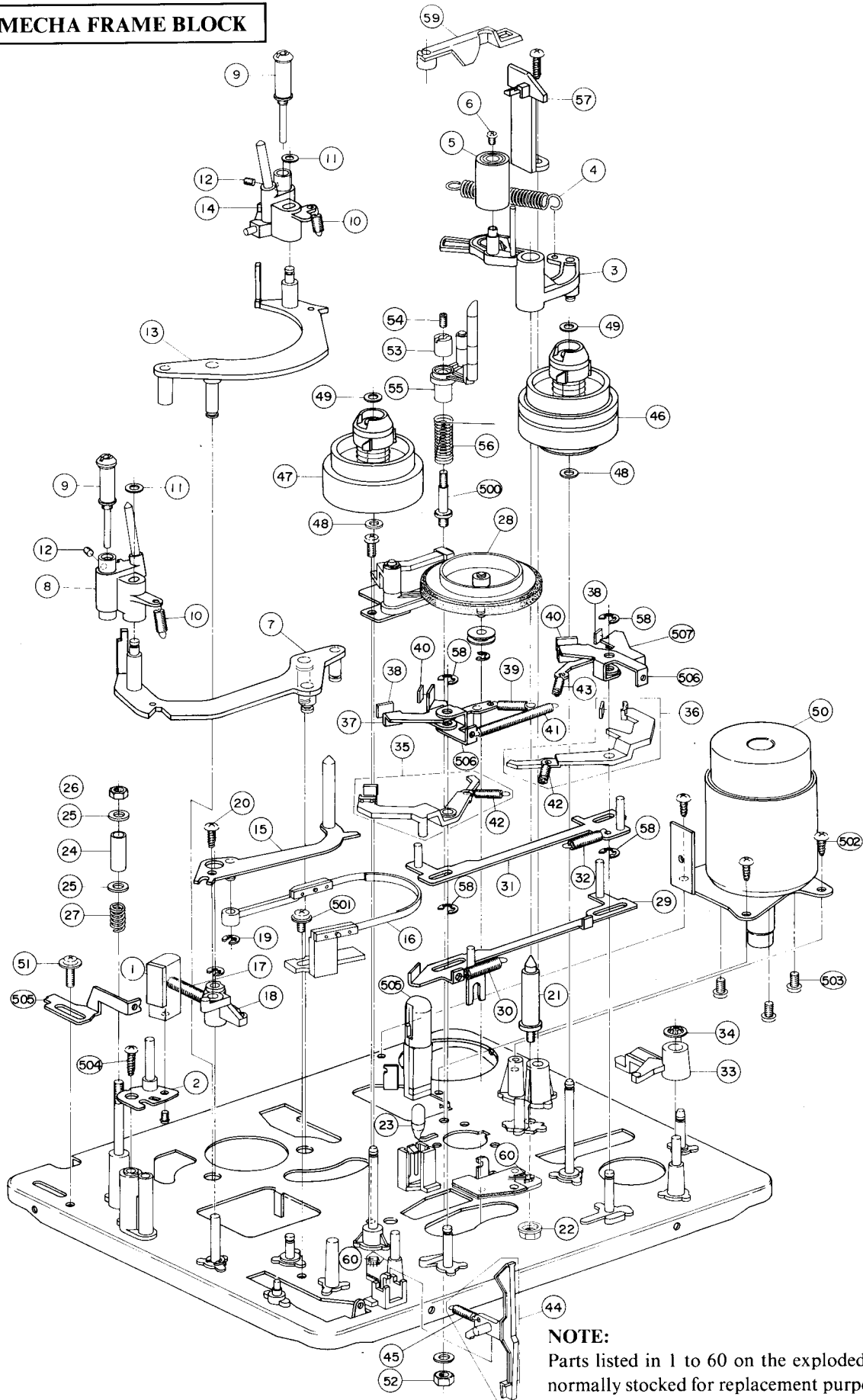
REF. NO.	PARTS NO.	DESCRIPTION
72	EH-348224	DL MS-26 (H-3K)
73	EH-345114	FILTER BP LJ20BP 4.43 MHz x 0.3 4.43MC
74	EH-324339	FILTER LC AP LCB-56
75	EH-324375	FILTER LC BP LCB-57 4.43MHz
76	EH-325807	FILTER LC BP LCB-61 5.06MHz
77	EH-330465	FILTER LC DST310-55B271M
78	EH-324305	FILTER LC HP LCB-53
79	EH-324398	FILTER LC LP LCB-58
80	EH-345113	FILTER LC LP LJ25LP3.4MHz02
81	EH-348142	FILTER LP LJ25LP 3.4MHz01
82	EH-348368	FILTER LP LPF1.50
83	EH-348367	FILTER LP LPF500
84	EI-347757	△ IC STK5325
85	EI-315243	△ IC TA78005P
86	EI-347758	△ IC TA78012AP
87	EI-336987	HALL ELEMENT DHD-H150
88	EI-341516	IC AN6041
89	EI-307616	IC AN608P
90	EI-324204	IC AN6310
91	N EI-347763	IC AN6326
92	EI-321604	IC AN6341N
93	EI-324203	IC AN6342N
94	EI-326044	IC AN6350
95	EI-324151	IC AN6360
96	EI-324160	IC AN6362
97	EI-324182	IC AN6371
98	EI-337964	IC BA401
99	EI-330352	IC BA6109
100	EI-348222	IC BA7001
101	EI-348220	IC BA7022
102	EI-347733	IC DN6838
103	EI-321605	IC DN819
104	EI-322309	IC HA11703
105	N EI-328593	IC HD14053BP
106	EI-347781	IC LA6393D
107	EI-347779	IC LA6393S
108	EI-347780	IC LA7045
109	EI-347766	IC MBL8243M
110	EI-337519	IC MB88301-A
111	EI-347773	IC MB88303M
112	EI-345133	IC MB88401-206M
113	EI-349121	IC MB88401-233K
114	EI-349122	IC MB88401-234K
115	EI-310183	IC MC14001BCP
116	EI-257602	IC MC14011BCP
117	EI-698703	IC MC14013BCP
118	EI-310038	IC MC14025BCP HD14025BP
119	N EI-200572	IC MC14053BCP CD4053
120	EI-304475	IC MC14066BCP
121	EI-330392	IC MC14070BCP
122	EI-348897	IC M51014L
123	EI-337228	IC M5218LO
124	EI-347769	IC M54514AP
125	EI-337503	IC M54532P
126	EI-347760	IC M54534P
127	EI-749829	IC M54573L
128	EI-348229	IC NE555P
129	EI-344921	IC TA7245BP
130	EI-705494	IC TA7607AP
131	EI-337529	IC TA78L005AP
132	EI-300834	IC TC4520BP
133	EI-749828	IC UPC1391H
134	EI-337530	IC UPC574J
135	EI-349372	OSC CE CSA4.00MG 4MHz
136	EI-330256	OSC CE F85-006 4MHz
137	EI-348543	OSC X'TAL HC-18/U 10.240000MHz
138	EI-347434	OSC X'TAL HC-18/U 4.194304MHz
139	EI-309878	OSC X'TAL 4.433619MHz
140	EI-322347	DSC X'TAL 4.435571MHz
141	EL-332451	PL CORD 12.0V 60MA

REF. NO.	PARTS NO.	DESCRIPTION
142	EO-347791	△ COIL OSC 1 0512033
143	EO-348206	COIL VARI 1 YBTKANS-28929Z 2.20UH
144	EO-347785	COIL VARI 1 15.6kHz
145	EO-347786	COIL VARI 1 70kHz
146	EP-345264	SOLENOID W/TAP 1240PLT 15V
147	EQ-348929	RELAY POW G5A-232P 2TR 12V
148	ES-347911	△ SW PUSH ESB-8213V 01-1
149	ES-349891	△ SW PUSH ESB-9072V
150	ES-309312	△ SW SLIDE 00220481 02-2
151	ES-348089	SW LEAF MSW-1429C 01-1 NO
152	ES-352333	SW LEAF MSW-1550C
153	ES-318284	SW LEVER SCL101R23A 1-01-02N
154	ES-332384	SW MICRO SS-5-F
155	ES-347790	SW SLIDE 00120323 1-01-02
156	ES-349641	SW SLIDE 00230890 (9.3) 2-02-03
157	ES-347755	SW TACT EVQ-QSE05T
158	ET-318308	PHOTO SENSOR PN202S
159	ET-348898	TR FET 2SJ40 C,D,E
160	ET-308472	TR 2SA1115 E,F,G
161	ET-347738	TR 2SA1282A E,F
162	N ET-351856	TR 2SA1282A E,F,G
163	ET-346806	TR 2SA1309 Q,R,S
164	ET-337569	TR 2SA675A E,F,H
165	ET-348931	TR 2SB774 R,S,T
166	ET-200401	TR 2SB788 S,T,U
167	N ET-348947	TR 2SB941 P
168	ET-522270	TR 2SC1210 D
169	ET-350724	TR 2SC1214 B,C,D
170	ET-306719	TR 2SC2236 O,Y
171	ET-308141	TR 2SC2603 G
172	ET-351858	TR 2SC3311 Q,R,S
173	ET-742646	TR 2SC388A
174	ET-344999	TR 2SD1010 R,S,T
175	ET-348948	TR 2SD1273 P,Q
176	N ET-666404	TR 2SD57LK,L
177	ET-352406	TR 2SD661 R,S,T,U
178	ET-200402	TR 2SD958 S,T,U
179	EV-307626	R S-FIX H H0621A 3P 0.30W 103
180	EV-336769	R S-FIX H H0621A 3P 0.30W 473
181	EV-336767	R S-FIX H H0621A 3P 0.30W 683
182	EV-352255	R S-FIX H H0621A 3P 332
183	N EV-332404	R S-FIX H H0651A 3P 0.05W 101
184	EV-307653	R S-FIX H H0651A 3P 0.05W 102
185	EV-307709	R S-FIX H H0651A 3P 0.05W 223
186	EV-332320	R S-FIX H H0651A 3P 0.05W 332
187	N EV-307706	R S-FIX H H0651A 3P 0.05W 471
188	EV-349156	R S-FIX H H0651A 3P 0.05W 681
189	EV-349808	R S-FIX H H0811C305A 3P 471
190	EV-346805	R S-FIX H H0811C309A 3P 222
191	N EV-342939	R S-FIX H H0811C313A 3P 103
192	EV-336852	R S-FIX H KVSF807U 3P 102
193	EV-336853	R S-FIX H KVSF807U 3P 103
194	EV-336850	R S-FIX H KVSF807U 3P 202
195	EV-336847	R S-FIX H KVSF807U 3P 502
196	N EV-341225	R S-FIX H KVSF807U 3P 503
197	EV-336851	R S-FIX H KVSF807V 3P 501
198	EV-346807	R S-FIX H KVSF817U 3P 104
199	EV-337957	R S-FIX H TM64K3 3P 0.30W 102
200	EV-702569	R S-FIX TT24R 102B
201	EV-702567	R S-FIX TT24R 202
202	EV-348413	R S-FIX V RVA0911 T3P 202
203	EV-523708	R S-FIX V V8K1-1 3P 501
204	EV-749777	R S-FIX 502
205	EX-348900	POSISTER PTH499D33BG500Q030
206	EX-330533	POSISTER PTH61G04BD3R3N
207	HC-347811	HEAD CTL HV225207SCD
208	HC-347163	HEAD PU TP306
209	N HE-325273	HEAD E HV113201V
210	MB-345018	BELT CAPSTAN
211	MB-780029	BELT LOADING
212	MP-604531	ROLLER PINCH VS-2
213	VT-327212	FILTER PLATE

NOTE: N: NEW PARTS



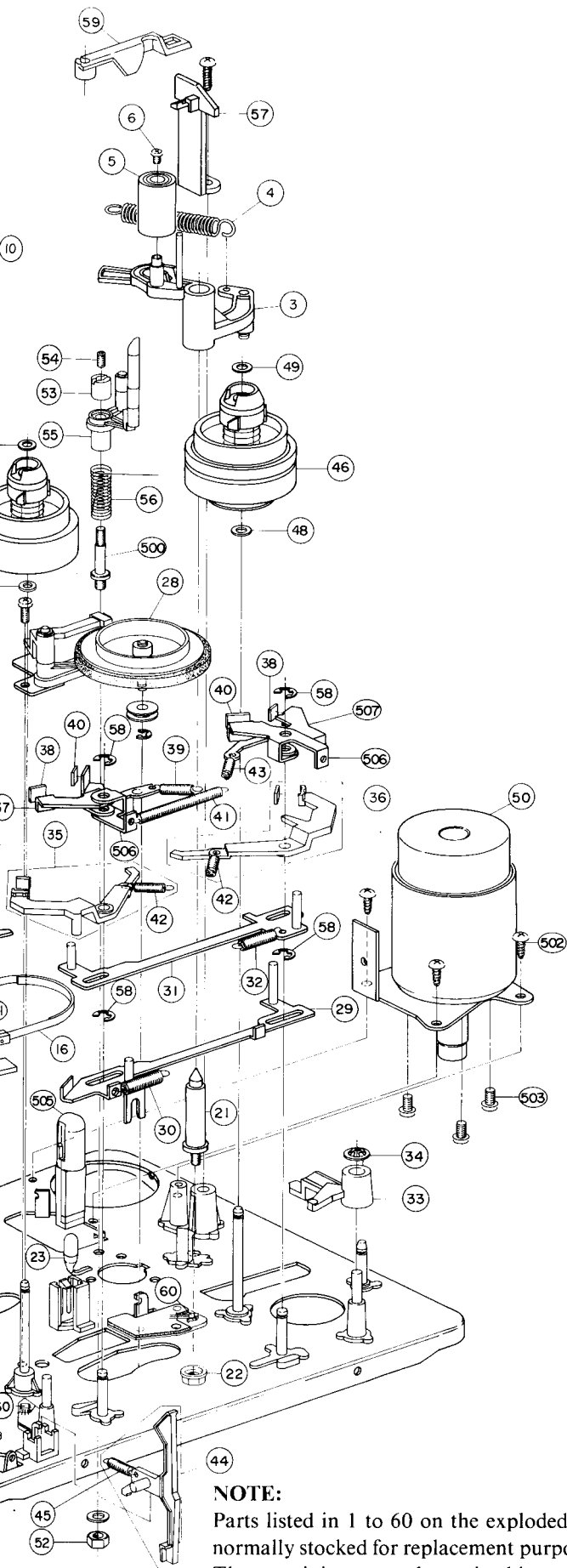
# MECHA FRAME BLOCK



**NOTE:**

Parts listed in 1 to 60 on the exploded view and list are normally stocked for replacement purpose.

The remaining parts shown in this manual are not normally stocked, because they are not seldom required for routine service.



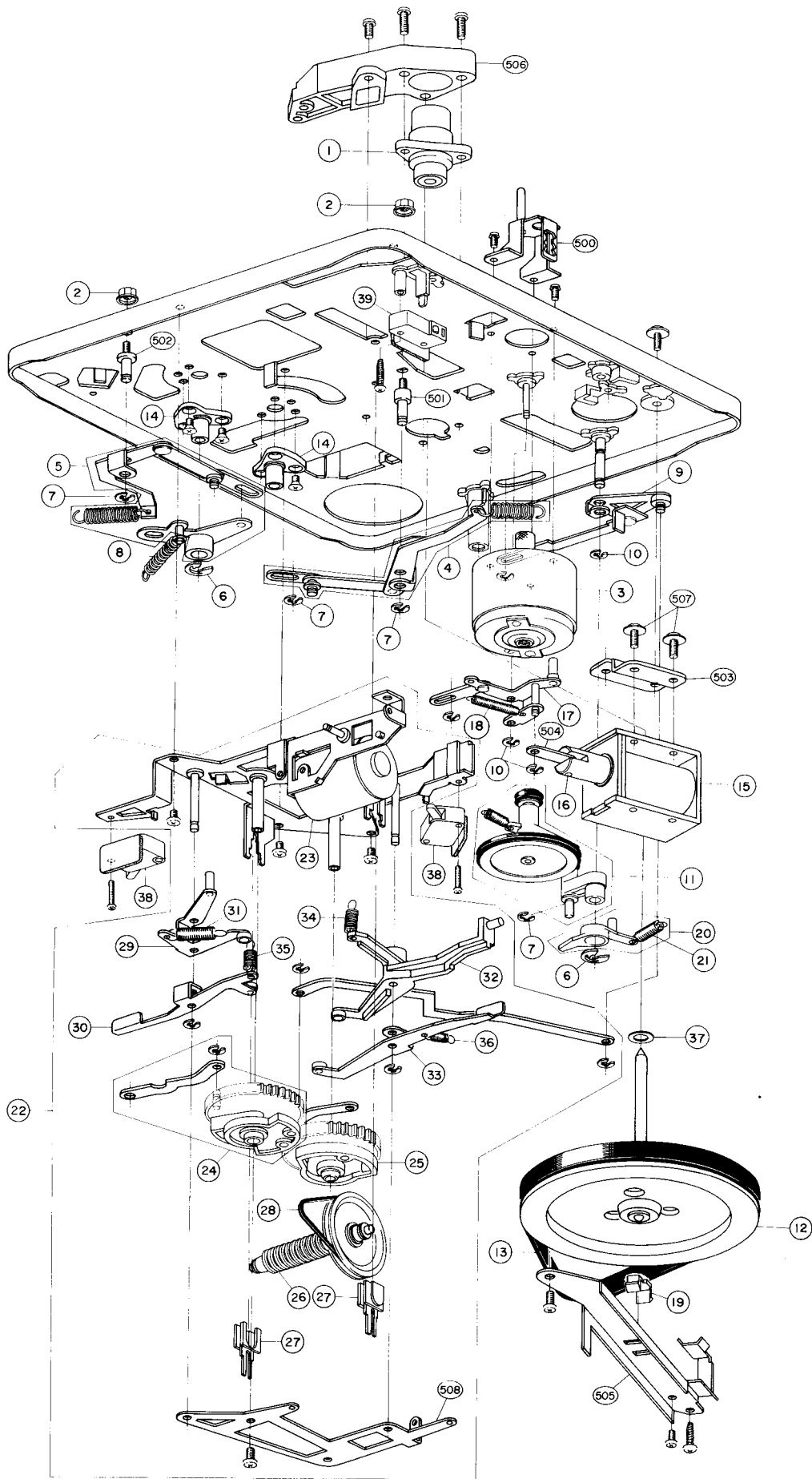
**NOTE:**

Parts listed in 1 to 60 on the exploded view and list are normally stocked for replacement purpose. The remaining parts shown in this manual are not normally stocked, because they are not seldom required for routine service.

**2. MECHA FRAME BLOCK (1)**

REF. NO.	PARTS NO.	DESCRIPTION
2-x	BB-V1015A200B	MECHA FRAME ASSY VS-6EG
<b>HOLDER ERASE HEAD BLOCK</b>		
2-1	HE-325273	HEAD E HV113201 V
2-2	HZ-B321740	HOLDER EH PART
<b>LEVER PINCH ROLLER BLOCK</b>		
2-3	BL-B326296	LEVER PINCH ROLLER PART
2-4	ZG-342091	SP PULL PINCH ROLLER
2-5	MP-604531	ROLLER PINCH VS-2 (NEW)
2-6	ZS-477876	PAN20×03STL CMT
<b>LEVER LOADING (L) BLOCK</b>		
2-7	BL-B348989	LEVER LOADING (L) PART
2-8	VT-B319445	LOADING LEADER (L) PART
2-9	VT-317947	VERTICAL POLE PART (P)
2-10	ZG-318043	SP LEADER
2-11	PW26×070×025PSL	
2-12	ZS-318212	6SET23×030SCM PKR WP
<b>LEVER LOADING (R) BLOCK</b>		
2-13	BL-B348098	LEVER LOADING (R) PART
2-14	VT-B319446	LOADING LEADER (R) PART
<b>TENSION ARM BLOCK</b>		
2-15	BL-B326468	LEVER TENSION PART
2-16	VT-328134	TENSION BAND ASSY
2-17	ZG-328664	SP T2-4.0/0.4-35.5 T2-118
2-18	VT-326470	HOLDER TENSION LEVER
2-19	ZW-357164	RING E230SUP CMT
2-20	ZS-310984	PT BR30×08STL CMT
<b>MECHA FRAME BLOCK</b>		
2-21	MH-321688	PROP 9 PINCH ROLLER LEVER
2-22	ZS-609434	N FRANGE 30STL CMT
2-23	EL-332451	PL CORD 12.0V 60MA
2-24	HZ-343076	GUIDE TAPE (C)
2-25	HZ-342726	GUIDE TAPE (B)
2-26	ZW-516993	N30STL CMT 1
2-27	ZG-349805	SP PUSH GUIDE TAPE
2-28	MI-327773	IDLER ASSY
2-29	BL-B322090	LEVER BRAKE SLIDE (B) PART
2-30	ZG-313045	SP T1-5.0/0.55-25.0 T1-158
2-31	BL-B322027	LEVER BRAKE SLIDE (A) PART
2-32	ZG-332463	SP T2-3.2/0.29-20 T2-064
2-33	ML-330640	LEVER BRAKE RELEASER
2-34	ZW-653163	RING CS280STL PKR
2-35	BL-V1004A090A	LEVER FF BRAKE BLK VS-5EG
2-36	BL-V1004A100A	LEVER REW BRAKE BLK VS-5EG
2-37	VT-B322286	LEVER S LOADING BRAKE PART
2-38	VT-322159	SHEET BRAKE (A)
2-39	ZG-318204	SP T2-3.2/0.29-16 T2-062
2-40	VT-322203	SHEET BRAKE (B)
2-41	ZG-344132	SP PULL BRAKE
2-42	ZG-328659	SP T2-3.2/0.2-16 T2-043
2-43	ZG-318228	SP T2-3.2/0.29-14 T2-061
2-44	BL-V1004A170B	LEVER REC SAFETY BLK VS-4EG
2-45	ZG-312997	SP T1-4.0/0.4-16.0 T1-111
2-46	BR-347731	TU REEL TABLE BLK
2-47	BR-347732	SUPPLY REEL TABLE BLK
2-48	ZW-324417	PW31×060×050PSL
2-49	ZW-344643	PW26×070×025PSL
2-50	BM-352233	MOTOR CAPSTAN DMF-4923
2-51	ZS-200614	TRIPLE SCREW PAN30×06
2-52	ZW-516993	N30STL CMT 1
2-53	ZS-326246	NUT ADJUST
2-54	ZS-328608	6SET26×030SCM PKR FP
2-55	BL-B326220	LEVER REVIEW PART
2-56	ZG-326247	SP TORSION REVIEW
2-57	VT-345031	HOLDER OPENER
2-58	ZW-357164	RING E230SUP CMT
2-59	VT-326477	GUIDE CAP
<b>HALL IC BLOCK</b>		
2-60	EI-347733	IC DN6838

**MECHA FRAME BLOCK (2)**



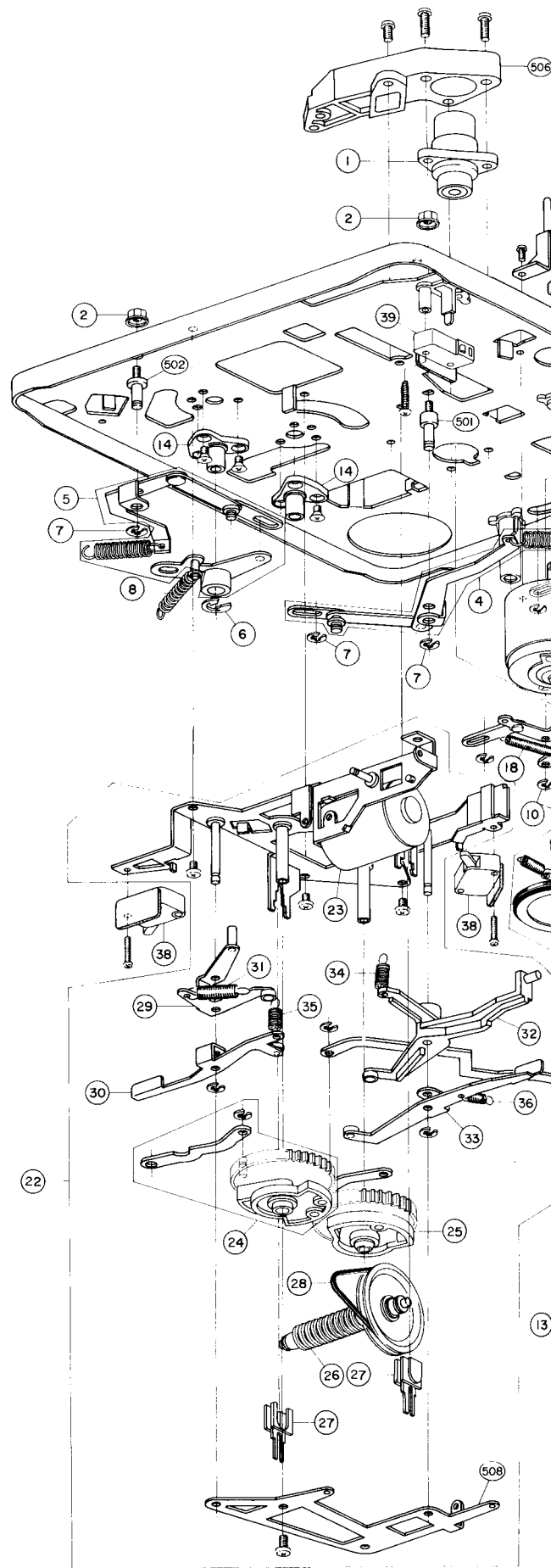
### 3. MECHA FRAME BLOCK (2)

### MECHA FRAME BLOCK (2)

REF. NO.	PARTS NO.	DESCRIPTION
<b>MECHA FRAME BLOCK</b>		
3-1	MZ-B321701	HOLDER CAPSTAN PART
3-2	ZS-609434	N FRANGE 30STL CMT
3-3	BM-345265	MOTOR REEL MJB5B51
3-4	BL-B326455	LEVER TOGGLE SP (B) PART
3-5	BL-B326453	LEVER TOGGLE SP (A) PART
3-6	ZW-290283	RING U 285SUP CMT
3-7	ZW-270101	RING E300SUP CMT
3-8	ZG-321769	SP T2-5.0/0.55-35.5 T2-161
3-9	BL-B326464	LEVER ROLLING PART
3-10	ZW-357164	RING E230SUP CMT
3-11	BV-327815	TU IDLER ASSY
3-12	MI-B328611	FLYWHEEL PART
3-13	MB-345018	BELT CAPSTAN F296M
3-14	MV-322302	METAL LOADING
<b>PLUNGER BLOCK</b>		
3-15	EP-345264	SOLENOID W/TAP 1240PLT 15V
3-16	MH-261191	SPRING PIN 3 x 12
3-17	BL-B604437	LEVER PLUNGER PART
3-18	ZG-328661	SP T2-3.2/0.29-25 T2-066
<b>HOLDER FLYWHEEL BLOCK</b>		
3-19	VT-326476	HOLDER PIVOT
<b>LEVER TU IDLER KICK BLOCK</b>		
3-20	BV-V1004A220A	LEVER TU IDLER KICK BLK VS-5EG
3-21	ZG-316197	SP T2-4.0/0.4-20.0 T2-113
<b>LOADING BLOCK</b>		
3-22	BV-V1017A250A	LOADING BLK VS-4EG
3-23	BM-749896	L MOTOR SUB ASSY (3)
3-24	VT-780025	LOADING GEAR A ASSY
3-25	VT-780026	LOADING GEAR B SUB ASSY
3-26	VT-780027	LOADING WARM ASSY
3-27	VT-749898	HOLDER GEAR SHAFT
3-28	MB-780029	BELT LOADING
3-29	BL-780030	TENSION LEVER ASSY
3-30	BL-780031	SW LEVER A ASSY
3-31	ZG-780032	SP TENSION LEVER RETURN
3-32	BL-780033	BRAKE LEVER ASSY
3-33	BL-780034	SW LEVER B ASSY
3-34	ZG-780035	SP BRAKE LEVER
3-35	ZG-780039	SP SW A
3-36	ZG-780040	SP SW B
3-37	ZW-259738	PW41x070x025PSL
3-38	ES-318284	SW LEVER SCL101R23A 1-01-02N (SW-1)
3-39	ES-332384	SW MICRO SS-5-F (SW-1)

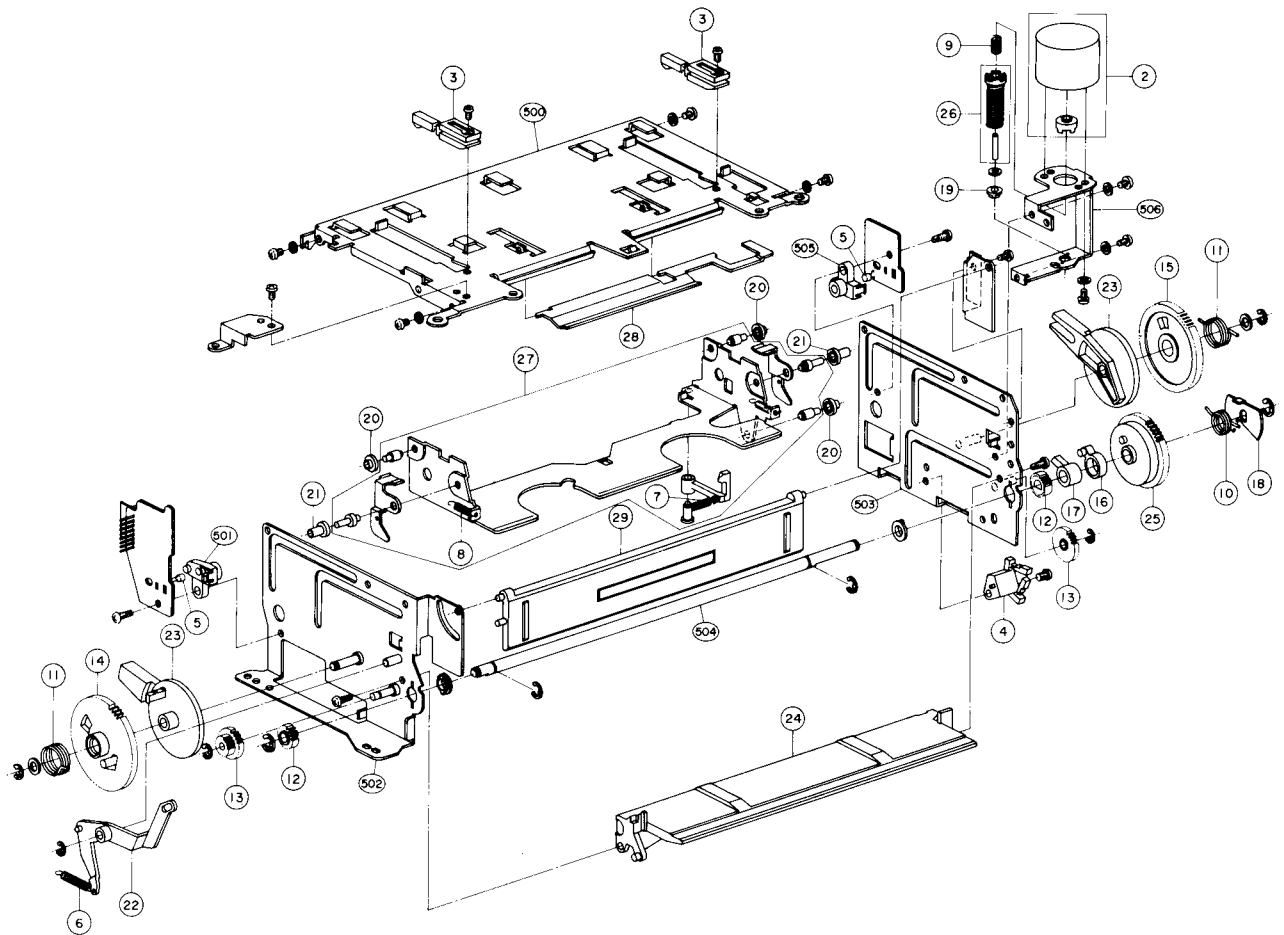
**NOTE:**

Parts listed in 1 to 39 on the exploded view and list are normally stocked for replacement purpose. The remaining parts shown in this manual are not normally stocked, because they are not seldom required for routine service.





## EJECTOR ASSY



### 4. EJECTOR ASSY

REF. NO.	PARTS NO.	DESCRIPTION
4-1	BV-347813	EJECTOR ASSY 347813
	<b>EJECTOR ASSY</b>	
4-2	BM-348088	MOTOR MMN-5C2RP (M904)
4-3	ES-348089	SW LEAF MSW-1429C 01-1 NO
4-4	ES-352333	SW LEAF MSW-1550C
4-5	ET-318308	PHOTO SENSOR PN202S
4-6	ZG-312922	SP T1-3.2/0.2-10.0 T1-039
4-7	ZG-324331	SP T2-3.2/0.2-12.5 T2-041
4-8	ZG-312944	SP T1-3.2/0.29-12.5 T1-060
4-9	ZG-313212	SP C-6.5/0.6-12.5 C-057
4-10	ZG-749705	SP (A)
4-11	ZG-749695	SP (C)
4-12	ZG-749696	GEAR (A)
4-13	MZ-749692	GEAR (B)
4-14	MZ-749694	GEAR (C)
4-15	MZ-749715	GEAR (D)
4-16	MZ-749697	COLLAR BRAKE (A)
4-17	MZ-749698	COLLAR BRAKE (B)
4-18	MZ-712538	HOLDER SPRING
4-19	MZ-749895	COLLAR WARM
4-20	MR-749685	GUIDE ROLLER (A)

REF. NO.	PARTS NO.	DESCRIPTION
4-21	MR-749686	GUIDE ROLLER (C)
4-22	ML-749691	ARM COVER
4-23	ML-749693	ARM DRIVE
4-24	MZ-749855	GUIDE FRAME
4-25	MZ-749699	WARM WHEEL
4-26	MZ-749853	WARM PART
4-27	MZ-749640	HOLDER CASSETTE
4-28	MZ-712582	STOPPER
	<b>FINAL ASSEMBLY BLOCK</b>	
4-29EG	SP-349117A	MASK VS-4EG (EXCEPT EG-G)
4-29EG-G	SP-349117B	MASK VS-4EG-G (EG-G)

#### NOTE:

Parts listed in 1 to 29 on the exploded view and list are normally stocked for replacement purpose.

The remaining parts shown in this manual are not normally stocked, because they are not seldom required for routine service.

## 5. VIDEO P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
5-1EG	BA-V1015A150D	PC VIDEO (PAL) BLK VS-6EG (EG,EO,EO-P,EG(Y1),EV)	5-SW1A	ES-347790	SW SLIDE 00120323 1-01-02 (EK,EK(Y1),ES,EA,EA(Y1))
5-1EK	BA-V1015A150E	PC VIDEO(PAL) BLK VS-6EK (EK,EK(Y1),ES)	5-VR1A	EV-336851	R S-FIX H KVSF807V 3P 501
5-1EA	BA-V1015A150F	PC VIDEO (PAL) BLK VS-6EA (EA,EA(Y1))	5-VR2A	EV-349156	R S-FIX H H0651A 3P 0.05W 681
5-1EG-G	BA-V1015A150G	PC VIDEO (PAL) BLK VS-6EG-G (EG-G)	5-VR3A	EV-336852	R S-FIX H KVSF807U 3P 102
<b>VIDEO P.C BOARD</b>			5-VR4A	EV-336847	R S-FIX H KVSF807U 3P 502
5-1C1A	EI-324204	IC AN6310	5-VR5A	EV-336852	R S-FIX H KVSF807U 3P 102
5-1C2A	EI-322309	IC HA11703	5-VR6A	EV-336853	R S-FIX H KVSF807U 3P 103
5-1C3A	EI-324151	IC AN6360	5-VR7A	EV-336852	R S-FIX H KVSF807U 3P 102
5-1C4A	EI-324160	IC AN6362	5-VR8A	EV-336853	R S-FIX H KVSF807U 3P 103
5-1C5A	EI-324182	IC AN6371	5-VR9A	EV-337957	R S-FIX H TM64K3 3P 0.50W 102
5-1C6A	EI-324203	IC AN6342N	5-VR10A	EV-307706	R S-FIX H H0651A 3P 0.05W 471
5-1C7A	EI-328593	IC HD14053BP	5-VR11A	EV-336850	R S-FIX H KVSF807U 3P 202
5-1C8A	EI-310183	IC MC14001BCP	5-VR12A	EV-336852	R S-FIX H KVSF807U 3P 102
5-1C9A	EI-310038	IC MC14025BCP HD14025BP	5-VR13A	EV-348413	R S-FIX V RVA0911 T3P 202
5-1C10A	EI-347781	IC LA6393D	5-VR14A	EV-349156	R S-FIX H H0651A 3P 0.05W 681
5-1C501A	EI-348220	IC BA7022	5-VR15A	EV-307706	R S-FIX H H0651A 3P 0.05W 471
5-1C503A	EI-348229	IC NE555P	5-VR501A	EV-336852	R S-FIX H KVSF807U 3P 102
5-1C504A	EI-698703	IC MC14013BCP	5-VR504A	EV-341225	R S-FIX H KVSF807U 3P 503
5-1C505A	EI-330392	IC MC14070BCP	5-VR505A	EV-332320	R S-FIX H H0651A 3P 0.05W 332
5-1C506A	EI-341516	IC AN6041	5-VR506A	EV-332404	R S-FIX H H0651A 3P 0.05W 101
5-1C507A	EI-307616	IC AN608P	5-VL501A	EO-348206	COIL VARI 1 YBTKANS-28929Z 2.20μH
5-1C508A	EI-341516	IC AN6041	5-L1A	EO-330240	COIL FIX 1 EL0606SKI 470K
5-1C509A	EI-307616	IC AN608P	5-L2A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-1C510A	EI-348229	IC NE555P	5-L3A	EO-330249	COIL FIX 1 EL0606SKI 8R2K
5-1C511A	EI-337529	IC TA78L005AP	5-L5A	EO-330248	COIL FIX 1 EL0606SKI 330K
5-1C512A,514A	EI-348222	IC BA7001	5-L6A,7A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-1C515A	EI-307616	IC AN608P	5-L9A	EO-345867	COIL FIX 1 EL0606SKI 120K
5-TR1A to 5A	ET-308141	TR 2SC2603 G	5-L10A	EO-330246	COIL FIX 1 EL0606SKI 560K
5-TR6A	ET-308472	TR 2SA1115 E,F,G	5-L11A,12A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-TR7A	ET-308141	TR 2SC2603 G	5-L13A	EO-330251	COIL FIX 1 EL0606SKI 471K
5-TR9A	ET-308472	TR 2SA1115 E,F,G	5-L14A	EO-330246	COIL FIX 1 EL0606SKI 560K
5-TR10A	ET-308141	TR 2SC2603 G	5-L15A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-TR11A	ET-308472	TR 2SA1115 E,F,G	5-L16A	EO-318383	COIL FIX 1 FL07H 682J
5-TR12A,13A	ET-308141	TR 2SC2603 G	5-L17A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-TR14A	ET-350724	TR 2SC1214 B,C,D	5-L19A	EO-330240	COIL FIX 1 EL0606SKI 470K
5-TR15A to 18A	ET-308141	TR 2SC2603 G	5-L20A	EO-330246	COIL FIX 1 EL0606SKI 560K
5-TR19A	ET-308472	TR 2SA1115 E,F,G	5-L21A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-TR20A	ET-344999	TR 2SD1010 R,S,T	5-L22A	EO-330249	COIL FIX 1 EL0606SKI 8R2K
5-TR22A,23A	ET-308141	TR 2SC2603 G	5-L23A,24A	EO-330241	COIL FIX 1 EL0606SKI 221K
5-TR24A	ET-348931	TR 2SB774 R,S,T	5-L25A	EO-351184	COIL FIX 1 EL0606SKI 821J
5-TR25A,26A	ET-308141	TR 2SC2603 G	5-L26A	EO-330249	COIL FIX 1 EL0606SKI 8R2K
5-TR27A,28A	ET-308472	TR 2SA1115 E,F,G	5-L501	EO-330244	COIL FIX 1 EL0606SKI 2R2K
5-TR29A	ET-308141	TR 2SC2603 G	5-L502	EO-330242	COIL FIX 1 EL0606SKI 390K
5-TR30A	ET-344999	TR 2SD1010 R,S,T	5-L503 to 506	EO-330249	COIL FIX 1 EL0606SKI 8R2K
5-TR31A	ET-308472	TR 2SA1115 E,F,G	5-L508	EO-330252	COIL FIX 1 EL0606SKI 101K
5-TR32A	ET-308141	TR 2SC2603 G	5-FL1A	EH-324305	FILTER LC HP LCB-53
5-TR33A	ET-308472	TR 2SA1115 E,F,G	5-FL2A	EH-345113	FILTER LC LP LJ25LP3.4MHz02
5-TR34A to 39A	ET-308141	TR 2SC2603 G	5-FL3A	EH-324339	FILTER LC AP LCB-56 (EXCEPT EK,EK(Y1),ES)
5-TR40A	ET-308141	TR 2SC2603 G (EG,EO,EO-P,EG(Y1),EV,EG-G)	5-FL4A	EH-348142	FILTER LP LJ25LP 3.4MHz01
5-TR41A to 48A	ET-308141	TR 2SC2603 G	5-FL6A	EH-324375	FILTER LC BP LCB-57 4.43MHz
5-TR501A,502A	ET-308141	TR 2SC2603 G	5-FL7A	EH-345114	FILTER BP LJ20BP 4.43MHzx0.3 4.43MC
5-TR503A	ET-308472	TR 2SA1115 E,F,G	5-FL8A	EH-324398	FILTER LC LP LCB-58
5-TR505A to 518A	ET-308141	TR 2SC2603 G	5-FL9A	EH-325807	FILTER LC BP LCB-61 5.06MHz
5-D1A,2A	ED-344280	D SILICON H GMA-01-FY2 F05	5-FL501A	EH-348223	DL MS-26H H-2K
5-D3A to 7A	ED-523427	D SILICON H 1SS16	5-FL502A	EH-348224	DL MS-26 (H-3K)
5-D8A,9A	ED-344280	D SILICON H GMA-01-FY2 F05	5-FL503A	EH-348225	DL MS-19 (L-11)
5-D11A to 14A	ED-344280	D SILICON H GMA-01-FY2 F05	5-FL504A	EH-348367	FILTER LP LPF500
5-D15A	ED-301911	D SILICON H DS448 (EG,EO,EO-P,EG(Y1),EV,EG-G)	5-FL505A	EH-348368	FILTER LP LPF1.50
5-D17A	ED-344280	D SILICON H GMA-01-FY2 F05	5-DL1A	EH-352402	DL EFD JR-124A13F
5-D19A	ED-344280	D SILICON H GMA-01-FY2 F05	5-X1A	EI-309878	OSC X'TAL 4.433619MHz
5-D20A	ED-301911	D SILICON H DS448 (EG-G)	5-X2A	EI-322347	OSC X'TAL 4.435571MHz
5-D501A to 504A	ED-344280	D SILICON H GMA-01-FY2 F05	5-X501A	EI-348543	OSC X'TAL HC-18/U 10.240000MHz
5-D505A	ED-348042	D ZENER V HZ9C-1S7	5-VC1A	EC-346764	C S-FIX H ECR-HA020D11 4-20
5-D506A	ED-301911	D SILICON H DS448	5-VC2A	EC-346765	C S-FIX H ECR-HA010A11 2.8-10
5-WD1A to 4A	ED-347768	D SILICON V MC921 DOUBLE	5-VC3A	EC-346764	C S-FIX H ECR-HA020D11 4-20
5-SW1A	ES-349641	SW SLIDE 00230890 (9.3) 2-02-03 (EG,EO,EO-P,EG(Y1),EV,EG-G)	5-JVA	EJ-347788	JACK PLATE VIDEO YKC21-5055

## 7. PRE AMP P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
<b>CM DRIVE P.C BOARD</b>		
5-TR1B	ET-666404	TR 2SD571 K,L
5-TR2B	ET-308472	TR 2SD1115 E,F,G
5-TR3B	ET-348947	TR 2SB941 P
5-TR4B	ET-308472	TR 2SA1115 E,F,G
5-TR5B	ET-308141	TR 2SC2603 G
5-TR6B	ET-308472	TR 2SA1115 E,F,G
5-TR7B	ET-348948	TR 2SD1273 P,Q
5-TR8B	ET-666404	TR 2SD571 K,L
5-TR9B	ET-308472	TR 2SA1115 E,F,G
5-TR10B	ET-348947	TR 2SB941 P
5-TR11B	ET-308141	TR 2SC2603 G
5-TR12B	ET-308472	TR 2SA1115 E,F,G
5-TR13B	ET-348948	TR 2SD1273 P,Q
5-D1B,2B	ED-344280	D SILICON H GMA-01-FY2 F05
5-L1B,2B	EO-669273	COIL FIX 2 FL5R200 180
5-FL1B,2B	EH-330465	FILTER LC DST310-55B271M
5-R6B	ER-338402	R CB H RD 1/2W 1R2J

## 6. AUDIO P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
6-1	BA-V1037A020A	PC AUDIO BLK VS-6EG
<b>AUDIO P.C BOARD</b>		
6-IC1	EI-347780	IC LA7045
6-TR1	ET-308141	TR 2SC2603 G
6-TR2	ET-308472	TR 2SA1115 E,F,G
6-TR3	ET-308141	TR 2SC2603 G
6-TR4	ET-344999	TR 2SD1010 R,S,T
6-TR5	ET-308141	TR 2SC2603 G
6-TR6,7	ET-200402	TR 2SD958 S,T,U
6-TR8	ET-200401	TR 2SB788 S,T,U
6-TR9,10	ET-308141	TR 2SC2603 G
6-TR11	ET-308472	TR 2SA1115 E,F,G
6-TR14 to 16	ET-308141	TR 2SC2603 G
6-D1	ED-352611	D ZENER H MA1062H
6-D2,3	ED-344280	D SILICON H GMA-01-FY2 F05
6-VR1	EV-349808	R S-FIX H H0811C305A 3P 471
6-VR2	EV-342939	R S-FIX H H0811C313A 3P 103
6-VR3	EV-346805	R S-FIX H H0811C309A 3P 222
6-VR4	EV-346807	R S-FIX H KVSF817U 3P 104
6-L1	EO-321254	COIL FIX 1 FL07H 562J
6-L2	EO-243977	COIL FIX 1 FL07H 102J
6-FL1	EO-347785	COIL VARI 1 15.6kHz
6-FL2,3	EO-347786	COIL VARI 1 70kHz
6-OSC1	EO-347791	△ COIL OSC 1 0512033
6-C28	EC-347264	C MC V F05 FM 221K 500DC
6-PJ1	EJ-347787	JACK PLATE VS-4 T5896 (PIN J.)

REF. NO.	PARTS NO.	DESCRIPTION
7-1	BA-V1015A170C	PC PRE BLK VS-6
<b>PRE AMP P.C BOARD</b>		
7-IC1	EI-337529	IC TA78L005AP
7-IC2	EI-347763	IC AN6326
7-IC3	EI-337964	IC BA401
7-IC4	EI-347764	IC AN6307
7-TR1 to 16	ET-308141	TR 2SC2603 G
7-TR17	ET-308472	TR 2SA1115 E,F,G
7-D1,2	ED-344280	D SILICON H GMA-01-FY2 F05
7-DL1	EH-322365	DL EFD-EN645A11E
7-VR1,3	EV-523708	R S-FIX V V8K1-1 3P 501
7-L1	EO-330241	COIL FIX 1 EL0606SKI 221K
7-L2	EO-330252	COIL FIX 1 EL0606SKI 101K
7-L3	EO-330250	COIL FIX 1 EL0606SKI 220K
7-L4	EO-330251	COIL FIX 1 EL0606SKI 471K
7-L5	EO-243977	COIL FIX 1 FL07H 102J
7-L6	EO-330255	COIL FIX 1 EL0606SKI 180K
7-L7,8	EO-330249	COIL FIX 1 EL0606SKI 8R2K
7-L9	EO-345861	COIL FIX 1 EL0606SKI 3R3K
7-L10	EO-330245	COIL FIX 1 EL0606SKI 100K
7-L11	EO-330249	COIL FIX 1 EL0606SKI 8R2K
7-L12,14	EO-330252	COIL FIX 1 EL0606SKI 101K
7-L15,16	EO-330250	COIL FIX 1 EL0606SKI 220K
7-L17	EO-330252	COIL FIX 1 EL0606SKI 101K
7-L18,19	EO-330241	COIL FIX 1 EL0606SKI 221K
7-L20	EO-330252	COIL FIX 1 EL0606SKI 101K
7-VC1 to 4	EC-348972	C S-FIX V ECR-HB050G11

## 8. SERVO P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
8-1	BA-V1037A030A	PC SERVO BLK VS-6EG
<b>SERVO P.C BOARD</b>		
8-IC1	EI-337228	IC M5218L0
8-IC2	EI-326044	IC AN6350
8-IC3	EI-304475	IC MC14066BCP
8-IC4	EI-200572	IC MC14053BCP CD4053
8-IC5	EI-337228	IC M5218L0
8-IC6	EI-347779	IC LA6393S
8-IC7	EI-310183	IC MC14001BCP
8-IC8	EI-337228	IC M5218L0
8-IC9	EI-300834	IC TC4520BP
8-IC10	EI-321604	IC AN6341N
8-IC301	EI-321605	IC DN819
8-TR1,2	ET-308472	TR 2SA1115 E,F,G
8-TR3	ET-308141	TR 2SC2603 G
8-TR4 to 11	ET-308472	TR 2SA1115 E,F,G
8-TR14,15	ET-308141	TR 2SC2603 G
8-TR19,20	ET-308141	TR 2SC2603 G
8-TR301 to 307	ET-308141	TR 2SC2603 G
8-D1	ED-348205	D SILICON V MC931 DOUBLE
8-D2 to 4	ED-347767	D SILICON V MC911 DOUBLE
8-D5	ED-347768	D SILICON V MC921 DOUBLE
8-D6	ED-347767	D SILICON V MC911 DOUBLE
8-D7	ED-347768	D SILICON V MC921 DOUBLE
8-D8,9	ED-347767	D SILICON V MC911 DOUBLE
8-D10	ED-347768	D SILICON V MC921 DOUBLE
8-D11 to 13	ED-347767	D SILICON V MC911 DOUBLE
8-D14	ED-348205	D SILICON V MC931 DOUBLE
8-D21 to 27	ED-344280	D SILICON H GMA-01-FY2 F05
8-D34	ED-344280	D SILICON H GMA-01-FY2 F05
8-D301	ED-347768	D SILICON V MC921 DOUBLE
8-D302 to 307	ED-344280	D SILICON H GMA-01-FY2 F05
8-VR1	EV-307626	R S-FIX H H0621A 3P 0.30W 103
8-VR2	EV-336767	R S-FIX H H0621A 3P 0/30W 683
8-VR3 to 6	EV-336769	R S-FIX H H0621A 3P 0.30W 473
8-VR7,8	EV-352255	R S-FIX H H0621A 3P 332
8-VR9	EV-307709	R S-FIX H H0651A 3P 0.05W 223
8-VR10	EV-336767	R S-FIX H H0621A 3P 0/30W 683
8-R20	ER-348973	R MF V 1/4W 6802F
8-R34,35	ER-309821	R MF V 1/4W 1303F
8-R37,38	ER-309811	R MF V 1/4W 7501F
8-R39	ER-309812	R MF V 1/4W 8201F
8-R72	ER-309795	R MF V 1/4W 1801F
8-R146	ER-309825	R MF V 1/4W 2003F

## 9. POWER SUPPLY AND SYSTEM

### CONTROL P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
9-1EG	BA-V1017A050D	PC POWER SYSCON BLK VS-6EG (EG,EG-G,EK,EK(Y1),ES,EG(Y1))
9-1EO	BA-V1017A050E	PC POWER SYSCON BLK VS-6EO (EA,EO,EO-P,EA(Y1),EV)

### POWER SUPPLY AND SYSTEM CONTROL P.C BOARD

9-IC1	EI-347757	△ IC STK5325
9-IC2	EI-347758	△ IC TA78012AP
9-IC3	EI-337530	IC UPC574J
9-IC4	EI-315243	△ IC TA78005P
9-IC5	EI-345133	IC MB88401-206M
9-IC6	EI-257602	IC MC14011BCP
9-IC7	EI-337519	IC MB88301-A
9-IC8	EI-347760	IC M54534P
9-IC9	EI-347779	IC LA6393S
9-TR1	ET-337569	TR 2SA675A E,F,H
9-TR2	ET-306719	TR 2SC2236 O,Y
9-TR3 to 5	ET-308141	TR 2SC2603 G
9-TR6	ET-308472	TR 2SA1115 E,F,G
9-TR7	ET-344999	TR 2SD1010 R,S,T
9-TR8	ET-308141	TR 2SC2603 G

REF. NO.	PARTS NO.	DESCRIPTION
9-TR9	ET-306719	TR 2SC2236 O,Y
9-TR10,11	ET-308141	TR 2SC2603 G
9-TR12	ET-308472	TR 2SA1115 E,F,G
9-TR13 to 15	ET-347738	TR 2SA1282A E,F
9-TR16,17	ET-308141	TR 2SC2603 G
9-D1	ED-337618	D SILICON DS135E-FB6 100/1.0A
9-D2,3	ED-624903	D SILICON H 1S2473
9-D4	ED-337617	△ D SILICON DBB50C-K8 200/5.0A
9-D5	ED-322238	△ D SILICON 1B4B41 100/1.0A
9-D6	ED-337618	D SILICON DS135E-FB6 100/1.0A
9-D7	ED-346468	D ZENER H HZ9FA F10 B1
9-D8	ED-624903	D SILICON H 1S2473
9-D9 to 14	ED-624903	D SILICON H 1S2473
9-D15	ED-346515	D ZENER H HZ30FA F10 1
9-D17 to 20	ED-624903	D SILICON H 1S2473
9-TH1	EX-330533	POSITER PTH61G04BD3R3N
9-IB1	EH-347743	COMP R RKC 1/8 B4 10K J
9-IB2	EH-347744	COMP R M-3725
9-X1	EI-330256	OSC CE F85-006 4MHz
9-X2	EI-347434	OSC X'TAL HC-18/U 4.194304MHz
9-R34,35	ER-337563	R MF H F10 1/4W 4751F
9-R36	ER-348233	R MF H F10 1/4W 2371F
9-SF5 to 8	EF-346880	△ FUSE ICP-F15 150V 0.6A
9-F1	EF-691007	△ FUSE SEMKO T 250V 3.15A
9-F2	EF-601301	△ FUSE SEMKO T 250V 2.00A
9-F3	EF-601942	△ FUSE SEMKO T 250V 0.63A
9-F4	EF-668474	△ FUSE SEMKO T 250V 0.40A

## 10. OPERATION P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
10-1EG	BA-V1017A060G	PC OPERATION BLK VS-6EG (EG,EG(Y1))
10-1EK	BA-V1017A060H	PC OPERATION BLK VS-6EK (EK,EK(Y1),ES)
10-1EA	BA-V1017A060J	PC OPERATION BLK VS-6EA (EA,EA(Y1),EV)
10-1EO	BA-V1017A060K	PC OPERATION BLK VS-6EO (EO,EO-P)
10-1EG-G	BA-V1017A060L	PC OPERATION BLK VS-6EG-G (EG-G)

### OPERATION P.C BOARD

10-IC2	EI-347773	IC MB88303M
10-IC3	EI-349121	IC MB88401 - 233K (EXCEPT EG-G)
10-IC3	EI-349122	IC MB88401 -234K (EG-G)
10-IC4	EI-348897	IC M51014L
10-TR1	ET-308472	TR 2SA1115 E,F,G
10-TR2	ET-308472	TR 2SA1115 E,F,G (EO,EO-P)
10-TR3,4	ET-308472	TR 2SA1115 E,F,G
10-TR5	ET-348898	TR FET 2SJ40 C,D,E
10-D1 to 5	ED-624903	D SILICON H 1S2473
10-D7,8	ED-624903	D SILICON H 1S2473
10-D9	ED-523427	D SILICON H 1SS16
10-D12	ED-352239	D LED BU1170-4BR RED
10-D13	ED-249377	D LED GL3AR1 RED
10-D14	ED-347776	D LED BG5608S GRN
10-D15	ED-347777	D LED BR5628S RED
10-D16	ED-249377	D LED GL3AR1 RED
10-D17,18	ED-347777	D LED BR5628S RED
10-D19	ED-283138	D LED GL3PG1 GRN
10-D20,22	ED-249377	D LED GL3AR1 RED
10-D25	ED-351202	D PHOTO PN313 AK
10-D26	ED-249377	D LED GL3AR1 RED (EA,EA(Y1),EV)
10-D28	ED-624903	D SILICON H 1S2473
10-SW1 to 23	ES-347755	SW TACT EVQ-QSE05T
10-SW28	ES-347755	SW TACT EVQ-QSE05T
10-VR1	EV-307653	R S-FIX H H0651A 3P 0.05W 102
10-X1	EI-349372	OSC CE CSA4.00MG 4MHz
10-IB1	EH-347736	COMP R RKC1/8B15 4.7K J

REF. NO.	PARTS NO.	DESCRIPTION
10-IB2	EH-347737	COMP R RKC1/8 B16 4.7K J
10-SF1	EF-347968	△ FUSE ICP-F10 150V 0.4A
10-2	VT-327212	FILTER PLATE
<b>LED P.C BOARD (EXCEPT EO)</b>		
10-D10	ED-347775	D LED SL2179-01 GRN (EXCEPT EO,EO-P)
<b>LED (2) P.C BOARD (EO)</b>		
10-D11	ED-348462	D LED SL2221T GRN (EO,EO-P)
<b>ANT SW P.C BOARD (EA ONLY)</b>		
10-TR101	ET-308472	TR 2SA1115 E,F,G
10-TR102	ET-308141	TR 2SC2603 G (EA,EA(Y1),EV)
10-TR103	ET-308472	TR 2SA1115 E,F,G (EA,EA(Y1),EV)
10-TR104	ET-308141	TR 2SC2603 G (EA,EA(Y1),EV)
10-TD101,102	ED-624903	D SILICON H 1S2473 (EA,EA(Y1),EV)

## 11. MECHA DRIVE P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
11-1	BA-V1017A200C	PC MECHA DRIVE BLK VS-6EG

### MECHA DRIVE P.C BOARD

11-IC1	EI-347766	IC MBL8243M
11-IC2	EI-347769	IC M54514AP
11-IC3	EI-337503	IC M54532P
11-IC4 to 6	EI-330352	IC BA6109
11-TR1 to 3	ET-346806	TR 2SA1309 Q,R,S
11-TR4,6	ET-351858	TR 2SC3311 Q,R,S
11-TR7	ET-351856	TR 2SA1282A E,F,G
11-TR8,9	ET-346806	TR 2SA1309 Q,R,S
11-TR10	ET-351858	TR 2SC3311 Q,R,S
11-TR11,12	ET-352406	TR 2SD661 R,S,T,U
11-TR14	ET-346806	TR 2SA1309 Q,R,S
11-D1,2	ED-624903	D SILICON H 1S2473
11-D3	ED-344280	D SILICON H GMA-01-FY2 F05
11-D4	ED-624903	D SILICON H 1S2473
11-D5	ED-347899	D ZENER H HZ20CP
11-D6	ED-624903	D SILICON H 1S2473
11-D7 to 9	ED-344280	D SILICON H GMA-01-FY2 F05
11-D10	ED-346595	D ZENER H HZ3 C2
11-D11	ED-344280	D SILICON H GMA-01-FY2 F05
11-D14	ED-344280	D SILICON H GMA-01-FY2 F05
11-D15	ED-624903	D SILICON H 1S2473
11-D16	ED-346604	D ZENER H HZ7 B2
11-D17	ED-624903	D SILICON H 1S2473
11-D18 to 23	ED-344280	D SILICON H GMA-01-FY2 F05
11-D24	ED-349816	D ZENER V MA1056H
11-D25 to 27	ED-344280	D SILICON H GMA-01-FY2 F05
11-IB1	EH-347735	COMP R M-3724
11-R12	ER-343989	R MF H F05 1/6W 1001F
11-R34	ER-306127	R CB H S15 FS RDS 1/2W 681J
11-R36	ER-351894	R CT P SNP 7W 150K
11-TH1	EX-330533	POSISTER PTH61G04BD3R3N

## 12. DEMODULATOR P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
12-1EG	BA-V1017A260A	PC DE-MODULATOR BLK VS-4EG (EG,EG-G,EG(Y1),EV)
12-1EK	BA-V1017A260B	PC DE-MODULATOR BLK VS-4EK (EK,EK(Y1))
12-1EA	BA-V1017A260C	PC DE-MODULATOR BLK VS-4EA (EA)
12-1EO	BA-V1017A260D	PC DE-MODULATOR BLK VS-4EO (EO,EO-P)
12-1ES	BA-V1017A260F	PC DE-MODULATOR BLK VS-3ES (ES)

REF. NO.	PARTS NO.	DESCRIPTION
12-1EA(Y1)	BA-V1017A260M	PC DE-MODULATOR BLK VS-3EA(Y1) (EA(Y1))

### DEMODULATOR P.C BOARD

12-2EG	EE-345115	TV TUNER CDE1-A04 (EG,EG-G,EG(Y1),EV)
12-2EK	EE-345116	TV TUNER CBE1-013 (EK,EK(Y1))
12-2EA	EE-345117	TV TUNER CSE1-017 (EA)
12-2EO	EE-345118	TV TUNER CEE1-009 (EO,EO-P)
12-2ES	EE-345121	TV TUNER CZE1-015 (ES)
12-2EA(Y1)	EE-352284	TV TUNER CZE1-020 (EA(Y1))
12-IC1	EI-705494	IC TA7607AP
12-IC2	EI-749828	IC UPC1391H
12-IC3	EI-749829	IC M54573L (EXCEPT EK,EK(Y1))
12-Q1	ET-742646	TR 2SC388A
12-Q2 to 4	ET-308141	TR 2SC2603 G
12-Q5	ET-522270	TR 2SC1210 D
12-Q6	ET-308472	TR 2SA1115 E,F,G
12-Q7	ET-308141	TR 2SC2603 G
12-Q8	ET-308472	TR 2SA1115 E,F,G
12-Q9 to 11	ET-308141	TR 2SC2603 G
12-Q12	ET-308472	TR 2SA1115 E,F,G (EO,EO-P)
12-Q13	ET-308141	TR 2SC2603 G
12-D1	ED-604541	D SILICON H 1S2076
12-D2	ED-604541	D SILICON H 1S2076 (EXCEPT EK,EK(Y1))
12-D3	ED-604541	D SILICON H 1S2076 (EXCEPT EK,EK(Y1),ES)
12-D4	ED-705479	D VARACTOR 1SV70
12-D5 to 7	ED-604541	D SILICON H 1S2076
12-VR1	EV-749777	R S-FIX 502
12-VR2	EV-749777	R S-FIX 502 (EXCEPT EK,EK(Y1))
12-VR3	EV-702567	R S-FIX TT24R 202
12-VR4	EV-702569	R S-FIX TT24R 102B
12-L1	EO-707836	COIL FIX 1 144LZ 0.39UHK
12-L2	EO-742653	COIL RF 144LY 2.0UHK (EXCEPT EK,EK(Y1),ES)
12-L2	EO-742654	COIL RF 144LY 2.2UHK (EK,EK(Y1),ES)
12-L3	EO-749830	COIL RF 199KNAS-12593Z (EXCEPT EA)
12-L3	EO-749831	COIL RF 199KNAS-12594Z (EA)
12-L4	EO-742574	COIL RF P320190
12-L5	EO-705491	COIL TKXNS-279789NK (EXCEPT EA)
12-L5	EO-749843	COIL BTKXNS-28428NK (EA)
12-L6	EO-749833	COIL FIX LRL06 820K
12-L7,8	EO-749834	COIL FIX LRL06 120K
12-L9	EO-749835	COIL FIX LRL06 101K
12-L10	EO-749834	COIL FIX LRL06 120K (EXCEPT EK,EK(Y1),ES)
12-L10	EO-749836	COIL FIX LRL06 100K (EK,EK(Y1),ES)
12-L12	EO-749837	COIL FIX LRL06 330K
12-CF1EG	EH-742662	FILTER SAW SAF38.9MZ51Z (EXCEPT EK,EK(Y1),EA,ES)
12-CF1EK	EH-742663	FILTER SAW SAF39.5MZ51Z (EK,EK(Y1))
12-CF1EA	EH-742664	FILTER SAW SAF36.9MZ51Z (EA)
12-CF1ES	EH-749838	FILTER SAW SAF38.9MW51Z (ES)
12-CF2EG	EH-749839	FILTER CE TPS 5.5MD (EXCEPT EK,EK(Y1),ES)
12-CF2EK	EH-749840	FILTER CE TPS 6.0MD (EK,EK(Y1),ES)
12-CF3EG	EH-705499	FILTER CE SFE 5.5MHz (EXCEPT EK,EK(Y1),ES)
12-CF3EK	EH-705500	FILTER CE SFE 6MHz (EK,EK(Y1),ES)
12-CF4EG	EH-749841	FILTER CE 5.5MC19A (EXCEPT EK,EK(Y1),ES)
12-CF4EK	EH-749842	FILTER CE 6.0MC19A (EK,EK(Y1),ES)
12-R44	ER-742497	△ R FUSE 1/4W 220J
12-R54,55	ER-749775	R MF RNL 1/4W 4571F

### 13. RELAY P.C BOARD BLOCK

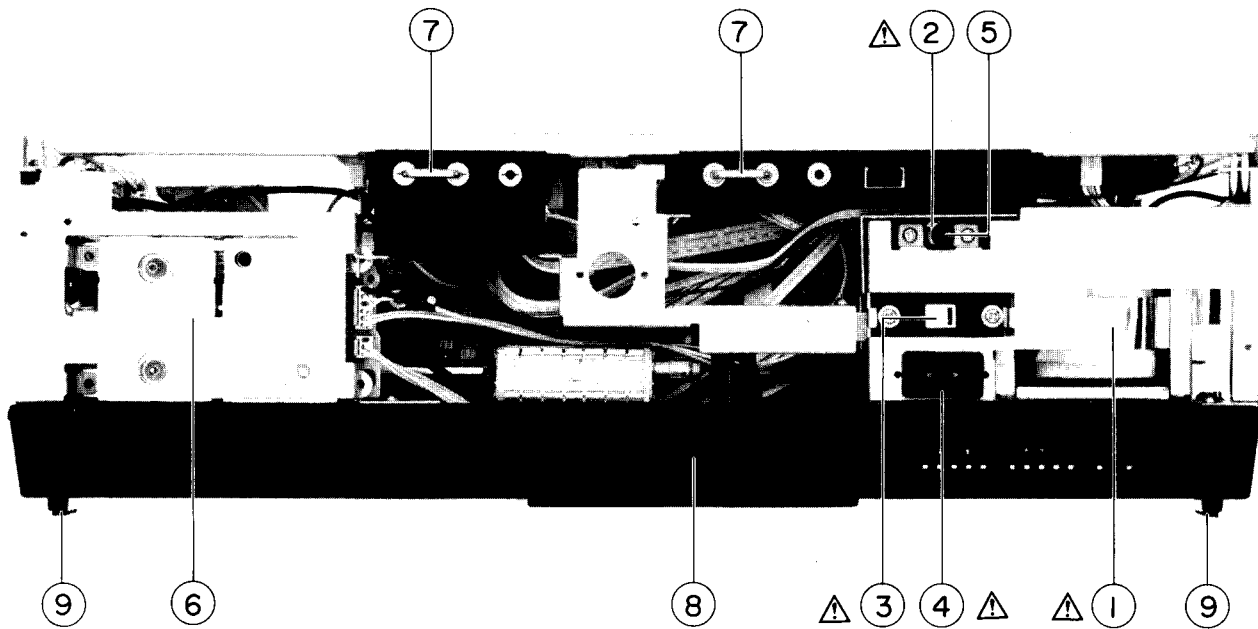
REF. NO.	PARTS NO.	DESCRIPTION
12-R56	ER-749776	R MFRNL 1/4W 2401F
12-C20	EC-749821	C TT R47M 35V
12-C28	EC-749822	C EC 102M 10V
12-C33	EC-749823	C PP 1H 153J 50DC
12-C39	EC-749824	C PP 1H 683K 50DC
12-C41 to 44	EC-749825	C PP 1H 683J 50DC
12-C45	EC-749826	C TT R68M 35V
12-C51	EC-749827	C PP 1H 103K 50DC (EO,EO-P)

REF. NO.	PARTS NO.	DESCRIPTION
13-RL1	EQ-348929	RELAY POW G5A-232P 2TR 12V

### 14. POWER FILTER P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
14-F901	EF-623103	△ FUSE SEMKO T 250V 1.00A
14-C901	EC-338411	△ C CE V FZ 103P 400AC

### POWER AND RF BLOCK

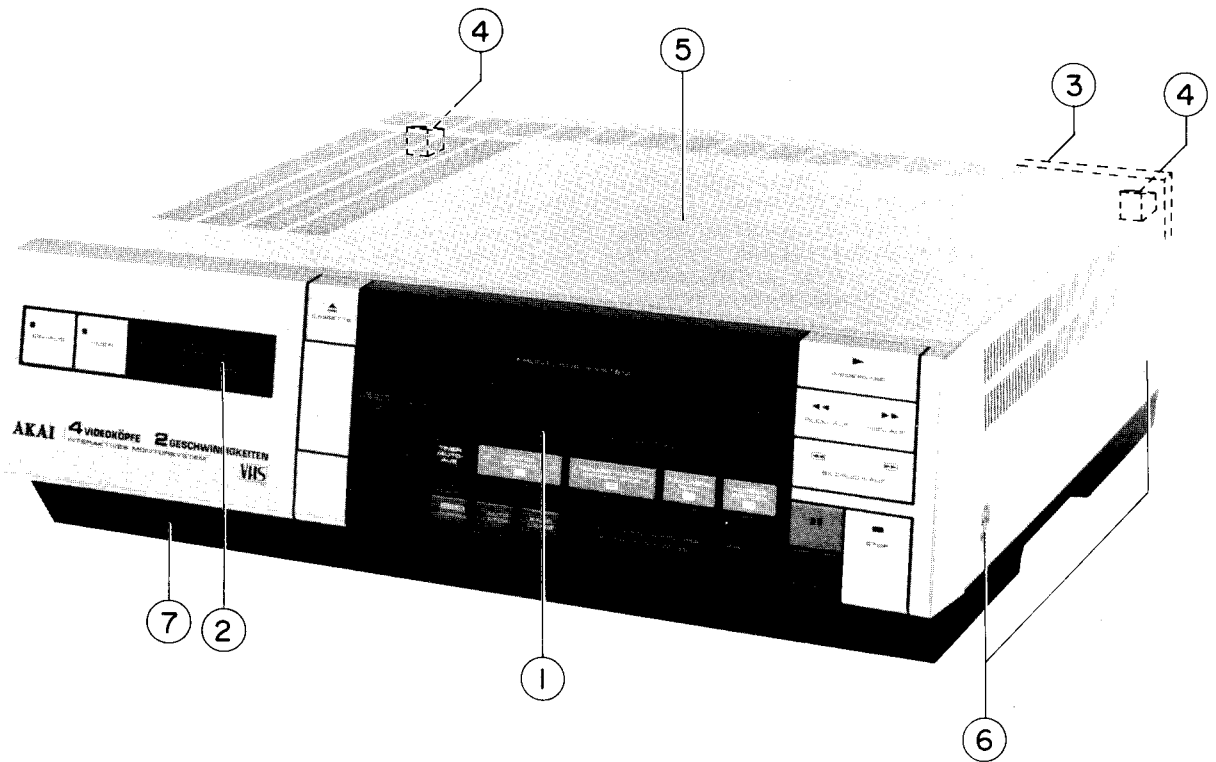


### 15. POWER AND RF BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
15-1EG	BT-345135	△ TRANS POWER VS-4-1A (EG,EG-G,EO,EO-P,EG(Y1),EV)
15-1EK	BT-348518	△ TRANS POWER VS-4-2A (EK,EK(Y1),EA,EA(Y1))
15-1ES	BT-348519	△ TRANS POWER VS-4-7A (ES)
15-2EG	ES-347911	△ SW PUSH ESB-8213V 01-1 (SW901)(EXCEPT EA(Y1))
15-2EA(Y1)	ES-349891	△ SW PUSH ESB-9072V (SW901)(EA(Y1))
15-3	ES-309312	△ SW SLIDE 00220481 02-2 (SW902)
15-4	EJ-301513	△ SOCKET INLET S-I6453 E 2P (J901)
15-5	SK-531235	KNOB PUSH SW

REF. NO.	PARTS NO.	DESCRIPTION
<b>RF BOOSTER BLOCK</b>		
15-6EG	BV-345124	RF MODULATOR MDW3-253 (EG,EG-G,EG(Y1))
15-6EK	BV-345125	RF MODULATOR MIW3-253 (EK,EK(Y1),ES)
15-6EA	BV-345129	RF MODULATOR MSW2-633 (EA)
15-6EO	BV-345126	RF MODULATOR MSW3-253 (EO,EO-P)
15-6EA(Y1)	BV-350626	RF MODULATOR MDW2-633 (EA(Y1),EV)
15-7	EJ-348218	PLUG SHORT PIN P2138
15-8	SP-343189	HOLDER BATTERY
15-9	SA-345057	RUBBER FOOT

## FINAL ASSEMBLY BLOCK



### 16. FINAL ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
16-1EG	BD-B352094A	PANEL FRONT(ENGLISH)-1VS-6 PART (EG,EK,EK(Y1),ES,EG(Y1))	16-3EK	SP-349181G	PANEL REAR VS-6EK (EK,EK(Y1))
16-1EG-G	BD-B352094B	PANEL FRONT (GERMAN)-VS-6 PART (EG-G)	16-3EA	SP-349181F	PANEL REAR VS-6EA (EA,EA(Y1))
16-1EA	BD-B352094A1	PANEL FRONT (ENGLISH)-1VS-6EA PART (EA,EA(Y1),EV)	16-3EO	SP-349181H	PANEL REAR VS-6EO (EO,EO-P)
16-1EO	BD-B352094D	PANEL FRONT (ENGLISH)-2VS-6 PART (EO)	16-3ES	SP-349181M	PANEL REAR VS-6ES (ES)
16-1EO-P	BD-B352094E	PANEL FRONT (ENGLISH)-2-P VS-6 PART (EO-P)	16-3EV	SP-349181P	PANEL REAR VS-6EV (EV)
16-2EG	SM-352405D	PLATE DECORATION (2) VS-6EG/Y1 (EG,EG(Y1))	16-4	SA-345059	FOOT
16-2EG-G	SM-352405E	PLATE DECORATION (2) VS-6EG-G (EG-G)	16-5	SP-345054D	CASE UPPER(B) (EXCEPT EO-P)
16-2EK	SM-352405B	PLATE DECORATION (2) VS-6EK/Y1 (EK,EK(Y1))	16-5P	SP-345054F	CASE UPPER (B)EO-P (EO-P)
16-2EA	SM-352405A	PLATE DECORATION (2) VS-6EA/Y1 (EA,EA(Y1))	16-6	ZS-321783	ST BID40x10STL N13
16-2EO	SM-352405C	PLATE DECORATION (2) VS-6EO/EO-P (EO,EO-P)	16-7	SP-343188	COVER FRONT JACK
16-2ES	SM-352405F	PLATE DECORATION (2) VS-6ES (ES)	16-8x	SE-345028	MASK FRONT CONNECTOR
16-2EV	SM-352405H	PLATE DECORATION (2) VS-6EV (EV)	16-9xEG	EW-347673	△ AC CORD 2 CORES SP22-12460/CEE (EG,EG-G,EG(Y1),EV,ES)
16-3EG	SP-349181J	PANEL REAR VS-6EG (EG,EG(Y1))	16-9xEK	EW-302995	△ AC CORD 2 CORES VM0112/OCFL B (EK,EK(Y1))
16-3EG-G	SP-349181K	PANEL REAR VS-6EG-G (EG-G)	16-9xEA	EW-322401	△ AC CORD 2 CORES KP-560/KS-15 S (EA,EA(Y1))
			16-9xEO	EW-638144	△ AC CORD 2 CORES VM0364/VM0305 EV (EO,EO-P)
			16-10x	EW-348414	△ CORD PAL

**NOTE:**

SYMBOL FOR COLOR VARIATION

NONE - SILVER

P - PEARL SHADOW

## II. REMOTE CONTROL TRANSMITTER RC-T4

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### REMOTE CONTROL TRANSMITTER RC-T4

REF. NO.	PARTS NO.	DESCRIPTION
1-1E	AV-749976	TRANSMITTER RC-T4-E (ENGLISH) (SILVER)
1-1G	AV-749992	TRANSMITTER RC-T4-G (GERMAN) (SILVER)
1-1EP	AV-749989	TRANSMITTER RC-T4-EP (ENGLISH) (PEARL SHADOW)
1-2S	AV-749977	COVER BATTERY S (SILVER)
1-2P	AV-712540	COVER BATTERY P (PEARL SHADOW)
1-3S	AV-749978	RUBBER BUTTON SHEET CONTACT-ENGLISH (SILVER)
1-3P	AV-749988	RUBBER BUTTON SHEET CONTACT-ENGLISH (PEARL SHADOW, GOLD)
1-3G	AV-749993	RUBBER BUTTON SHEET CONTACT-GERMAN (SILVER)
1-4	AV-749979	TERMINAL BATTERY A(+)
1-5	AV-749980	TERMINAL BATTERY B(-)
1-6	AV-749981	TERMINAL BATTERY C( $\pm$ )
1-7	AV-749982	PC SWITCH (CONTACT)
1-IC1	EI-749983	IC $\mu$ PD1943G
1-X1	EI-749984	OSC CE KBR455BAT
1-TR1	ET-318604	TR 2SD545NP E,F
1-D1,2	ED-557447	D SILICON H 1S1588
1-D3,4	ED-710035	D LED TLN105
1-D5	ED-780019	D LED SEL1123W



# INDEX

## VS-6EG/EG-G/EA/EA(Y1)/EK/EO/ES/EV

PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.
BA-M3202A020A	1-23	EC-749823	12-C33	ED-347767	8-D2	EF-691007	9-F1
BA-V1015A150D	5-1EG	EC-749824	12-C39	ED-347767	8-D13	EH-322365	7-DL1
BA-V1015A150E	5-1EK	EC-749825	12-C43	ED-347767	8-D3	EH-324305	5-FL1A
BA-V1015A150F	5-1EA	EC-749825	12-C44	ED-347768	5-WD2A	EH-324339	5-FL3A
BA-V1015A150G	5-1EG-G	EC-749825	12-C41	ED-347768	5-WD1A	EH-324375	5-FL6A
BA-V1015A170C	7-1	EC-749825	12-C42	ED-347768	5-WD4A	EH-324398	5-FL8A
BA-V1017A050D	9-1EG	EC-749826	12-C45	ED-347768	5-WD3A	EH-325807	5-FL9A
BA-V1017A050E	9-1EO	EC-749827	12-C51	ED-347768	8-D301	EH-330465	5-FL1B
BA-V1017A060G	10-1EG	ED-249377	10-D26	ED-347768	8-D10	EH-330465	5-FL2B
BA-V1017A060H	10-1EK	ED-249377	10-D13	ED-347768	8-D5	EH-345113	5-FL2A
BA-V1017A060J	10-1EA	ED-249377	10-D16	ED-347768	8-D7	EH-345114	5-FL7A
BA-V1017A060K	10-1EO	ED-249377	10-D22	ED-347775	10-D10	EH-347735	11-1B1
BA-V1017A060L	10-1EG-G	ED-249377	10-D20	ED-347776	10-D14	EH-347736	10-1B1
BA-V1017A200C	11-1	ED-283138	10-D19	ED-347777	10-D15	EH-347737	10-1B2
BA-V1017A260A	12-1EG	ED-301911	5-D20A	ED-347777	10-D17	EH-347743	9-1B1
BA-V1017A260B	12-1EK	ED-301911	5-D15A	ED-347777	10-D18	EH-347744	9-1B2
BA-V1017A260C	12-1EA	ED-301911	5-D506A	ED-347899	11-D5	EH-348142	5-FL4A
BA-V1017A260D	12-1EO	ED-322238	9-D5	ED-348042	5-D505A	EH-348223	5-FL501A
BA-V1017A260F	12-1ES	ED-337617	9-D4	ED-348205	8-D1	EH-348224	5-FL502A
BA-V1017A260M	12-1EA(Y2)	ED-337618	9-D6	ED-348205	8-D14	EH-348225	5-FL503A
BA-V1037A020A	6-1	ED-337618	9-D1	ED-348462	10-D11	EH-348367	5-FL504A
BA-V1037A030A	8-1	ED-344280	5-D501A	ED-349816	11-D24	EH-348368	5-FL505A
BB-V1015A200B	2-x	ED-344280	5-D11A	ED-351202	10-D25	EH-352402	5-DL1A
BD-B352094A	16-1EG	ED-344280	5-D9A	ED-352239	10-D12	EH-705499	12-CF3EG
BD-B352094A1	16-1EA	ED-344280	5-D1B	ED-352611	6-D1	EH-705500	12-CF3EK
BD-B352094B	16-1EG-G	ED-344280	5-D2B	ED-523427	5-D3A	EH-742662	12-CF1EG
BD-B352094D	16-1EO	ED-344280	5-D13A	ED-523427	5-D7A	EH-742663	12-CF1EK
BD-B352094E	16-1EO-P	ED-344280	5-D1A	ED-523427	5-D4A	EH-742664	12-CF1EA
BL-B322027	2-31	ED-344280	5-D19A	ED-523427	5-D6A	EH-749838	12-CF1ES
BL-B322090	2-29	ED-344280	11-D20	ED-523427	10-D9	EH-749839	12-CF2EG
BL-B326220	2-55	ED-344280	11-D21	ED-604541	12-D1	EH-749840	12-CF2EK
BL-B326296	2-3	ED-344280	11-D22	ED-604541	12-D2	EH-749841	12-CF4EG
BL-B326453	3-5	ED-344280	11-D23	ED-604541	12-D3	EH-749842	12-CF4EK
BL-B326455	3-4	ED-344280	11-D25	ED-604541	12-D5	EI-200572	8-IC4
BL-B326464	3-9	ED-344280	11-D26	ED-604541	12-D6	EI-257602	9-IC6
BL-B326468	2-15	ED-344280	11-D27	ED-604541	12-D7	EI-300834	9-IC9
BL-B327729	1-11	ED-344280	11-D3	ED-624903	9-D2	EI-304475	8-IC3
BL-B348098	2-13	ED-344280	11-D7	ED-624903	9-D3	EI-307616	5-IC515A
BL-B348989	2-7	ED-344280	11-D8	ED-624903	9-D14	EI-307616	5-IC509A
BL-B604437	3-17	ED-344280	11-D9	ED-624903	9-D20	EI-307616	5-IC507A
BL-V1004A090A	2-35	ED-344280	11-D11	ED-624903	9-D11	EI-309878	5-X1A
BL-V1004A100A	2-36	ED-344280	11-D14	ED-624903	9-D18	EI-310038	5-IC9A
BL-V1004A170B	2-44	ED-344280	11-D18	ED-624903	9-D19	EI-310183	5-IC8A
BL-V1017A140A	1-9	ED-344280	11-D19	ED-624903	9-D9	EI-310183	8-IC7
BL-780030	3-29	ED-344280	5-D12A	ED-624903	9-D10	EI-315243	9-IC4
BL-780031	3-30	ED-344280	5-D8A	ED-624903	9-D12	EI-321604	8-IC10
BL-780033	3-32	ED-344280	5-D2A	ED-624903	9-D13	EI-321605	8-IC301
BL-780034	3-33	ED-344280	5-D14A	ED-624903	9-D8	EI-322309	5-IC2A
BM-B344824	1-21	ED-344280	5-D504A	ED-624903	9-D17	EI-322347	5-X2A
BM-345265	3-3	ED-344280	5-D503A	ED-624903	10-D3	EI-324151	5-IC3A
BM-348088	4-2	ED-344280	5-D502A	ED-624903	10-D28	EI-324160	5-IC4A
BM-352233	2-50	ED-344280	5-D17A	ED-624903	10-D4	EI-324182	5-IC5A
BM-749896	3-23	ED-344280	6-D3	ED-624903	10-D5	EI-324203	5-IC6A
BR-347731	2-46	ED-344280	6-D2	ED-624903	10-D7	EI-324204	5-IC1A
BR-347732	2-47	ED-344280	7-D2	ED-624903	10-D8	EI-326044	8-IC2
BT-345135	15-1EG	ED-344280	7-D1	ED-624903	10-D101	EI-328593	5-IC7A
BT-348518	15-1EK	ED-344280	8-D23	ED-624903	10-D102	EI-330256	9-X1
BT-348519	15-1ES	ED-344280	8-D303	ED-624903	10-D1	EI-330352	11-IC4
BV-V1004A220A	3-20	ED-344280	8-D27	ED-624903	10-D2	EI-330352	11-IC5
BV-V1015A110A	1-2	ED-344280	8-D307	ED-624903	10-D1	EI-330352	11-IC6
BV-V1015A120A	1-1	ED-344280	8-D302	ED-624903	11-D4	EI-330392	5-IC505A
BV-V1017A250A	3-22	ED-344280	8-D34	ED-624903	11-D6	EI-336987	1-IC1TO3
BV-327815	3-11	ED-344280	8-D24	ED-624903	11-D15	EI-337228	8-IC8
BV-345124	15-6EG	ED-344280	11-D25	ED-624903	11-D17	EI-337228	8-IC1
BV-345125	15-6EK	ED-344280	8-D22	ED-624903	11-D2	EI-337228	8-IC5
BV-345126	15-6EO	ED-344280	8-D305	ED-705479	12-D4	EI-337503	11-IC3
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Croatia

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# AKAI

MODEL **VS-6** EG/EG-G/EA/  
EA(Y1)/EK/EO/ES/EV

## SECTION 4

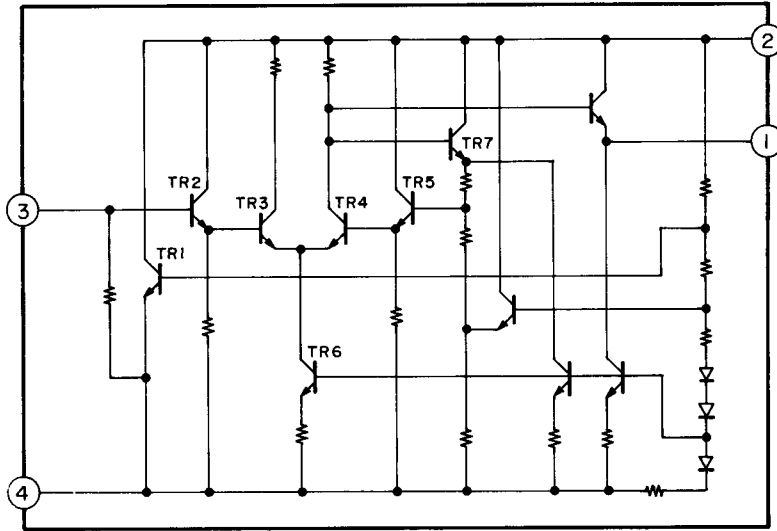
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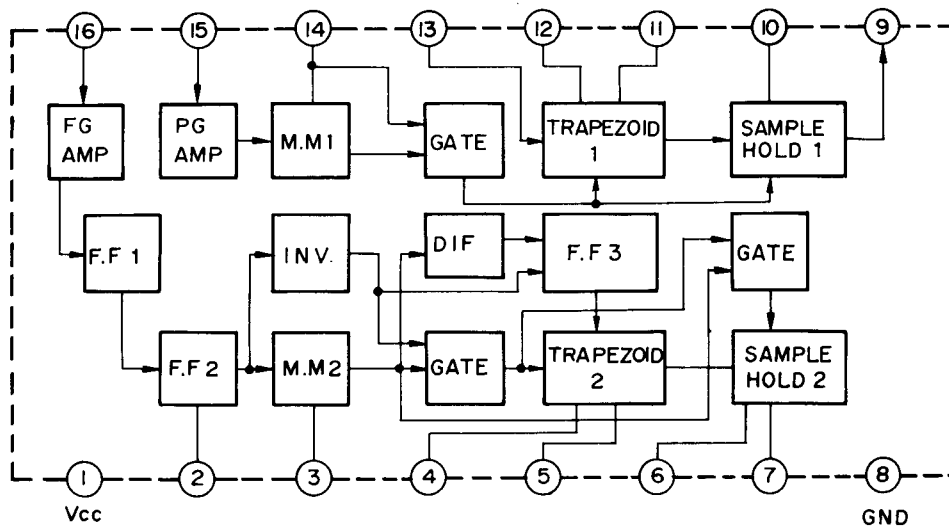
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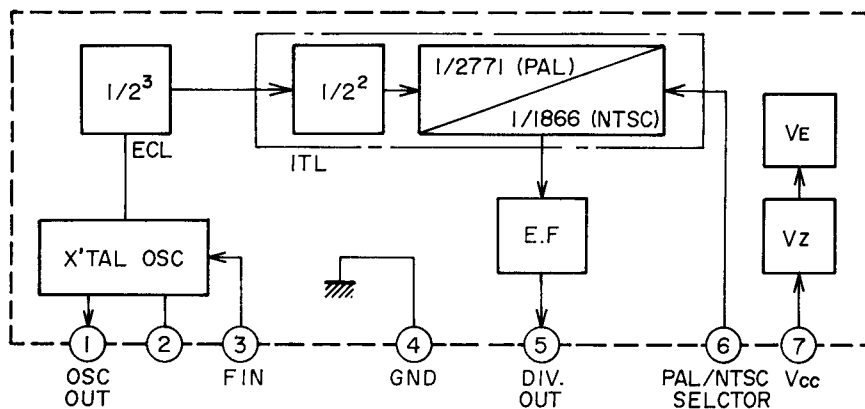
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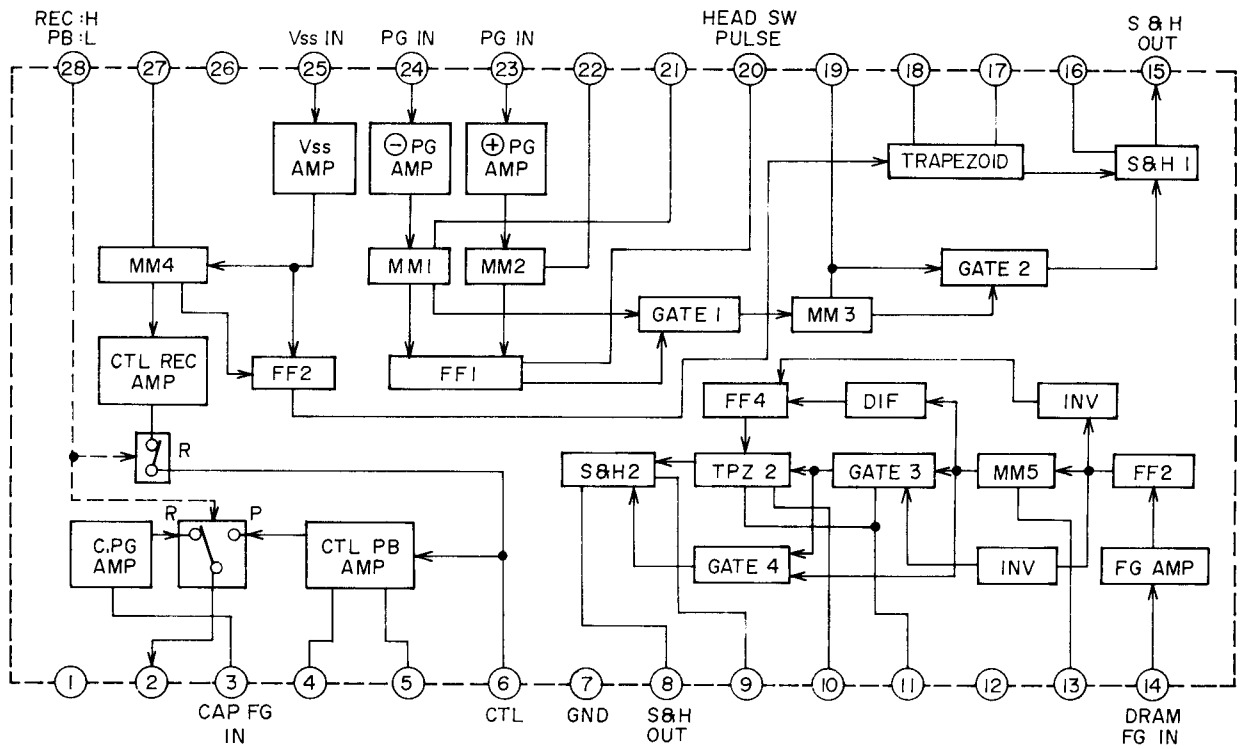
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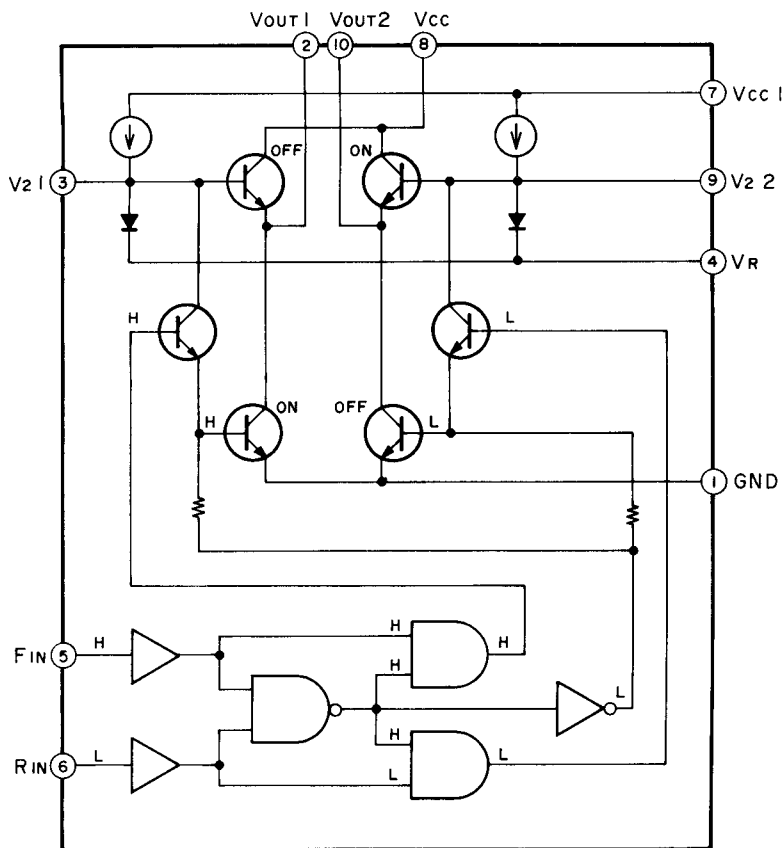
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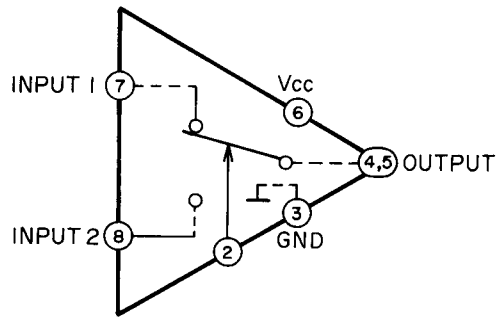


BA6109 (Motor direction and drive)

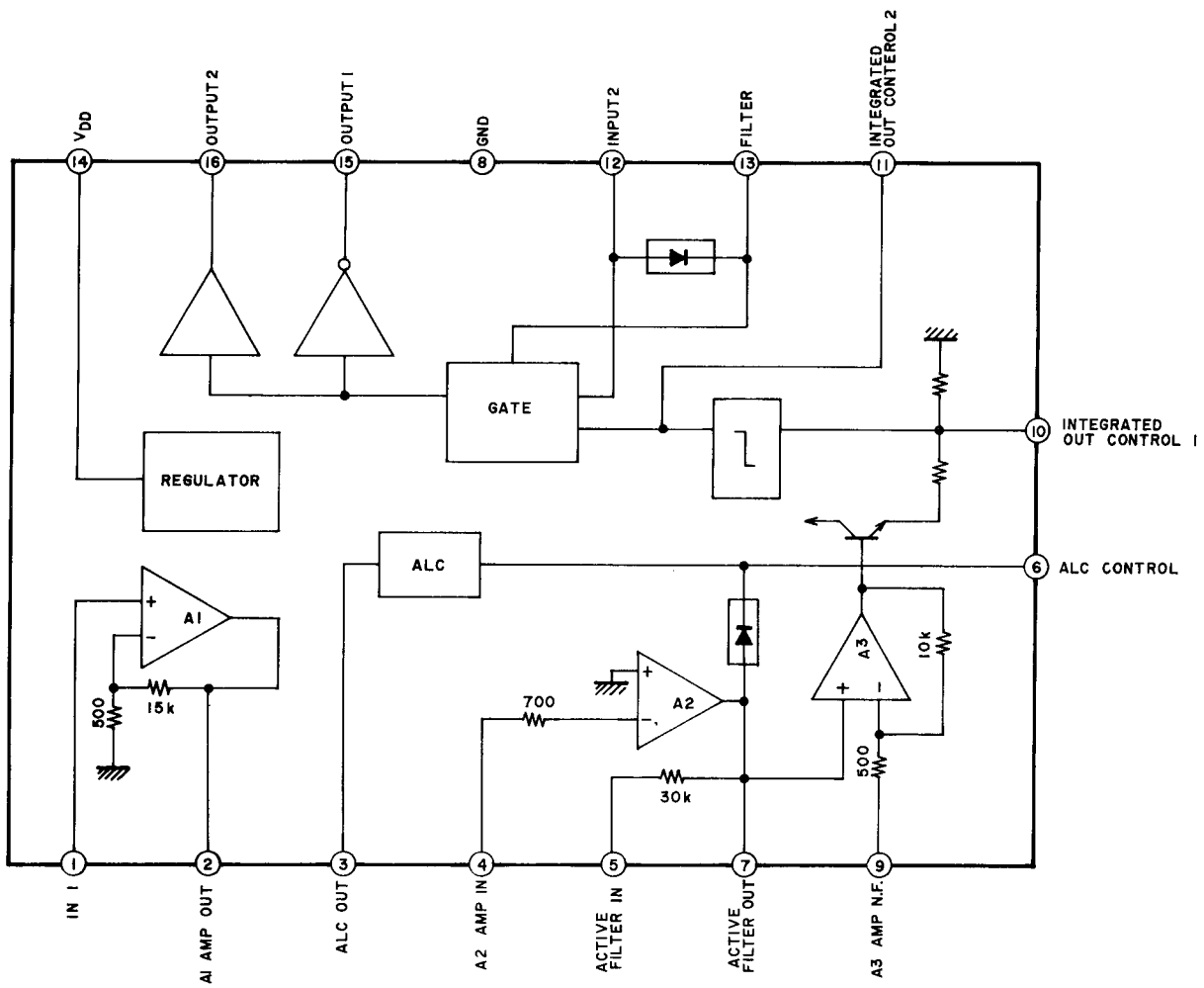


⑤	⑥	②	⑩
FIN	RIN	VOUT 1	V OUT 2
H	H	L	L
L	H	L	H
H	L	H	L
L	L	L	L

BA7001 (Analogue switch)

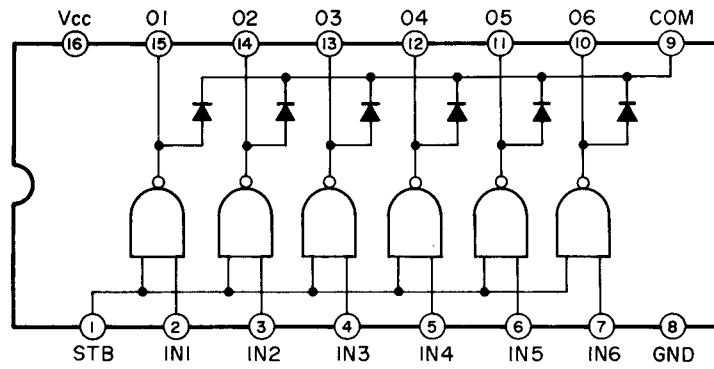


M51014L

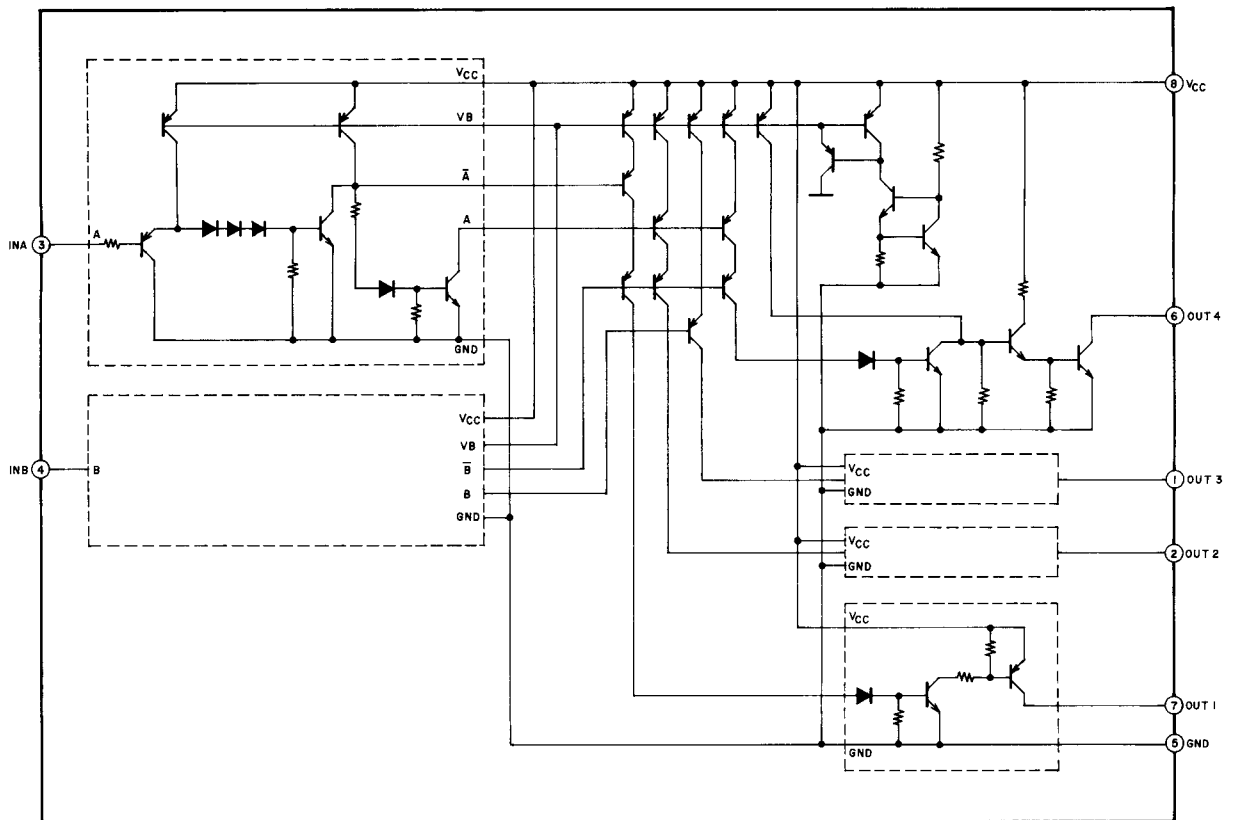




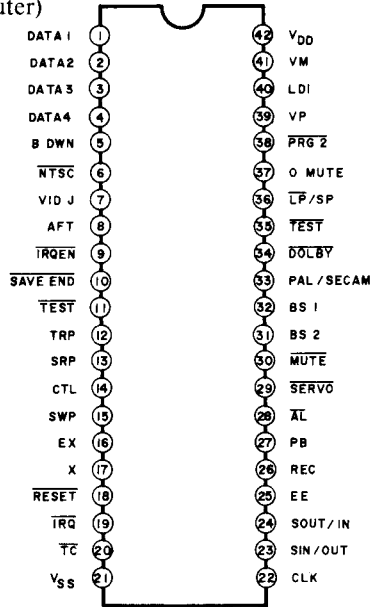
M54534P (6 unit 320 mA Transistor array)



M54573L



MB88401-206M (4 bit one-tip Microcomputer)

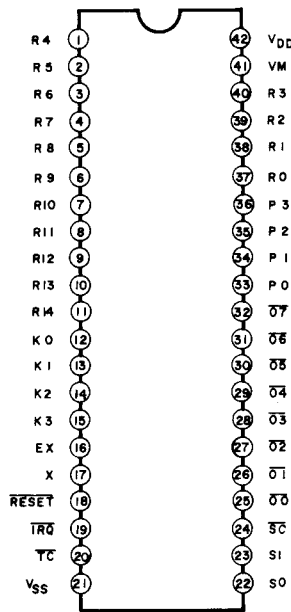


Description of IC(MB88401-206M) Terminals

Pin No.	Symbol	Description
1 2 3 4	DATA I/O	○ DATA output to DAC IC7 (MB88301A) and input/output between EXPANDER IC <sub>1</sub> (MBL8243) of MECHA DRIVE PCB.
5	B DOWN	○ At "L" level all the motors and plungers are turned off, and turn in the state of Function -OFF.
6	NTSC	○ At "L" level, DATA display of the tape remainings is switched into DATA for NTSC. (not used)
7 8	VIDEO J AFT	○ These are terminals for TV search to which "H" is input when VIDEO signal is in normal, "L" in abnormal.
9	IRQEN	○ Interrupt Request Enable Terminal, controls whether both differential inputs of switching pulse are input to pin 19 (IRQ) or not.
10	SAVE END	○ At Power down, "L" level is output, and a RESET functions.
11	TEST	Not used
12 13 14 15	TRP SRP CTL SWP	These terminals are used for controlling Reel STOP and the judgements of Drum MOTOR STOP by means of inputting TAKE-UP Reel Pulse, Supply Reel Pulse, CTL Pulse and Switching Pulse.
16 17	EX X	Clock oscillator terminal Clock oscillator terminal
18	RESET	At "H" level, RESET is removed.
19	IRQ	For trigger input to make a dummy V-Sync at TRICK Mode.
20	TC (POWER DOWN)	When the power down detector detects a power down, it turns to "L" level and saves the data in the RAM. After that, "L" level outputs at pin 10 save end and a Reset functions.
21	VSS	GND
22 23 24	S CLK S IN/OUT S OUT/IN	These terminals are used for data transfer between the terminals of IC <sub>2</sub> MB88401 of operation PCB.

Pin No.	Symbol	Description
25	EE	○ EE12 } ○ REC12 } These are control signal output terminals which control EE12V, REC12V, ○ PB12 } PB12V and AL12V. ○ AL12 }
26	REC	
27	PB12	
28	AL	
29	$\overline{\text{SERVO}}$	Only when DRUM MOTOR stops, it turns "H" level and Drum Heater turns on.
30	$\overline{\text{MUTE}}$	Tuner Audio Out mute at "L"
31	BS 2	These are the terminals for signal outputs of band selector control which select VHF-High, VHF-Low and UHF, according to the combination of "H" output and "L" at BS1 and BS2.
32	BS 1	
33	PAL/SECAM	Not used.
34	$\overline{\text{DOLBY}}$	
35	$\overline{\text{TEST}}$	
36	$\overline{\text{LP/SP}}$	
37	O MUTE	For control signal output which controls the Mute circuit of Audio signal ("H" = MUTE)
38	$\overline{\text{PRG2}}$	This is the control signal output which controls 8 input terminals and 8 output terminals of expander IC <sub>1</sub> (MBL8243) at MECH DRIVE PCB.
39	VP	This terminal outputs a dummy V-Sync at Tric Mode.
40	LDI	This terminal outputs the address of DACIC <sub>7</sub> (MB88301) and the data of out-read/out-control signals.
41	VM	When RESET input is at "L" level, the content of RAM is maintained if more than 3V of power is supplied.
42	VDD	Power input (+5V)

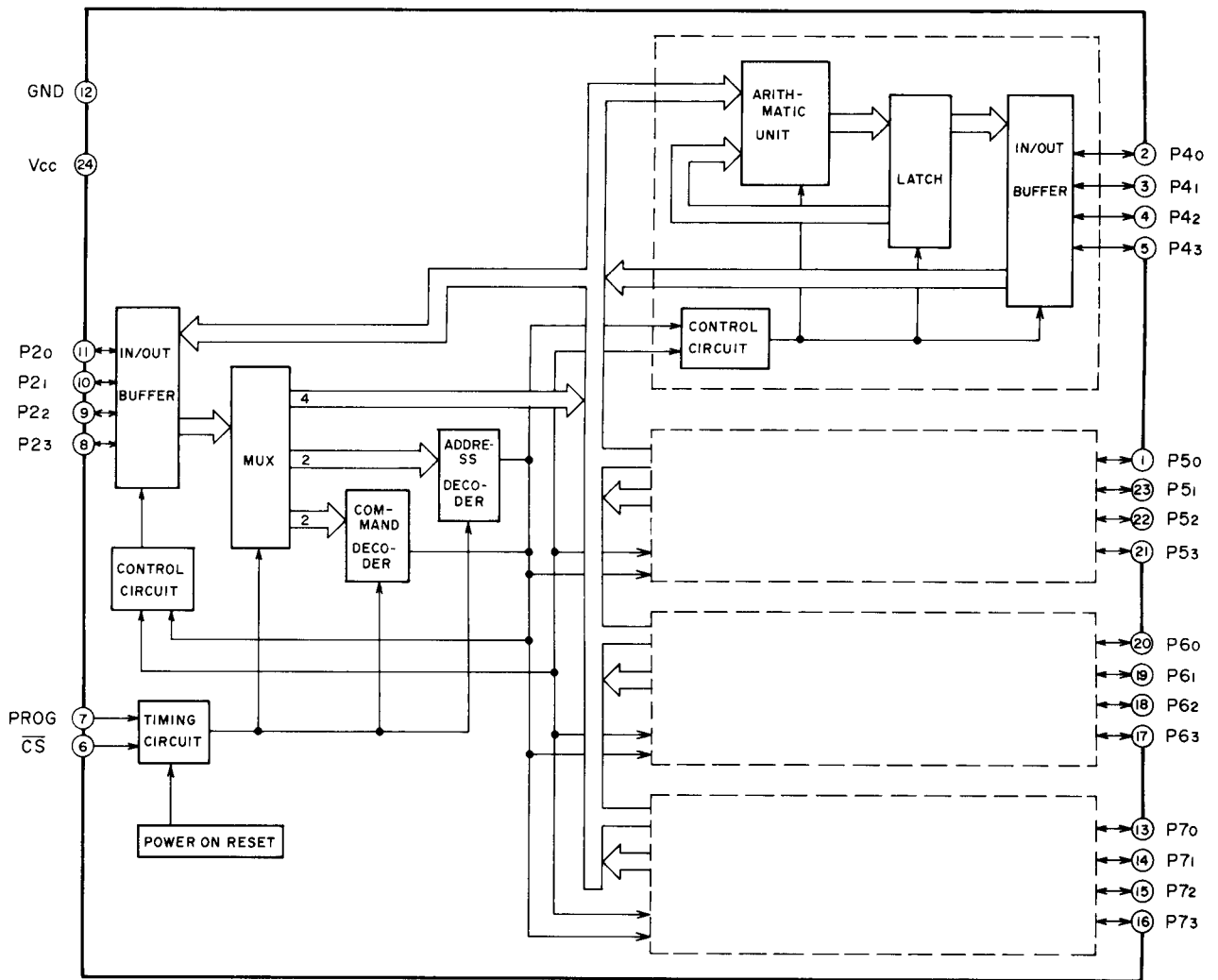
MB88401-233K (4 bit one-tip Microcomputer)



BAND SELECTION

PIN NO.	SYMBOL	DESCRIPTION
1 to 8	R4 to R11	Output terminals for both Key Matrix scan and Address & Character Data
9	R12	E0 input (not used)
10	R13	EK input (not used)
11	R14	Connected to ground for VS-3 models.
12 to 15	K0 to K3	Key Matrix Data input
16 17	EX X	} Clock Oscillator terminals
18	$\overline{RESET}$	RESET signal input from SYSCON MI-COM IC5 (MB88401/206M)
19	$\overline{IRQ}$	REMOCON signal data input
20	$\overline{TC}$	Not used
21	Vss	Connect to ground
22 23 24	S0 S1 $\overline{SC}$	Serial Data output Serial Data input Serial Clock input } Data exchange between SYSCON MI-COM IC5 (MB88401/206M)
25 to 32	$\overline{O0}$ to $\overline{O7}$	Mode Indicator LEDs (D12 to D19) drive output, lit at "L"
33 to 36	P0 to P3	LED drive voltage output, drive 3 systems of LEDs by 2 msec interval.
37	R0	Not used.
38	R1	$\overline{VIDEO}/TV$ selection output
39 40	R2 R3	} CRT Controller IC (IC2 MB88303M) } Control signal output
41	VM	Voltage for memory, connected to +5V
42	VDD	Power supply terminal (+5V)

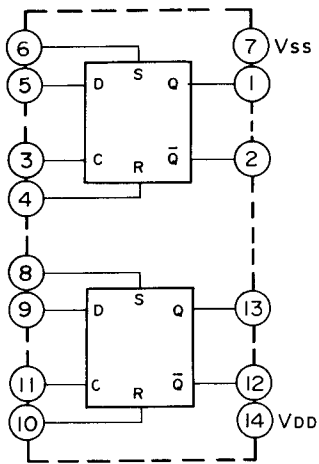
MBL8243M (I/O Expander)



INPUT EXPANDER IC1 MBL 8243M IN/OUT

INPUT			OUTPUT		
PIN	SYMBOL	INPUT ITEM	PIN	SYMBOL	OUTPUT FOR
1	RS SW	REC Safety SW	13	$\overline{\text{CUE}}$	CUE $\overline{\text{ON/OFF}}$
2	LSW-A2	Loading Position Detection SW	14	$\overline{\text{REVW}}$	REVIEW $\overline{\text{ON/OFF}}$
3	LSW-B1		15	SP/LP	Not used
4	$\overline{\text{SS}}$		Tape Start Sensor	16	CM STP
5	$\overline{\text{ES}}$	Tape End Sensor	17	PL-ON	Plunger $\overline{\text{ON/OFF}}$
7	PRG2	8 IN/OUT Control Signal	18	LM STP	Loading Motor OFF
21	C SW3	Ejector Set SW	19	EM STP	Eject Motor STOP
22	C SW2	Ejector SW	20	M. $\overline{\text{RVS}}$	All Motor Reverse
23	C SW1	Cassette SW			
8	DATA 1	DATA IN/OUT			
9	DATA 2				
10	DATA 3				
11	DATA 4				

MC14013BCP (Dual "D" Flip-Flop)



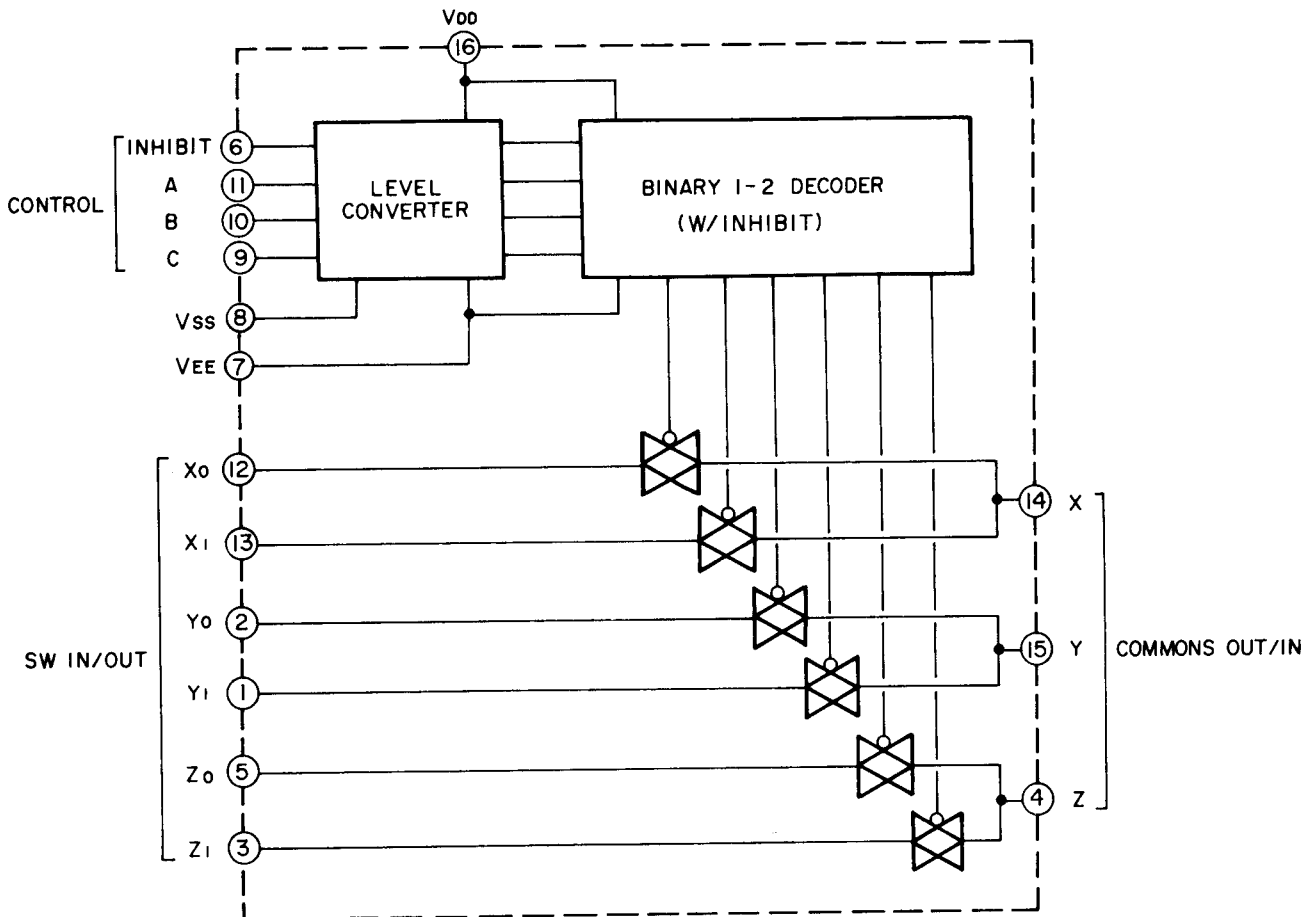
TRUTH TABLE

CLOCK †	INPUTS			OUTPUTS	
	DATA	RESET	SET	Q	$\bar{Q}$
	0	0	0	0	1
	1	0	0	1	0
	X	0	0	Q	$\bar{Q}$
X	X	1	0	0	1
X	X	0	1	1	0
X	X	1	1	1	1

NO CHANGE

X : DON'T CARE  
† : LEVEL CHANGE

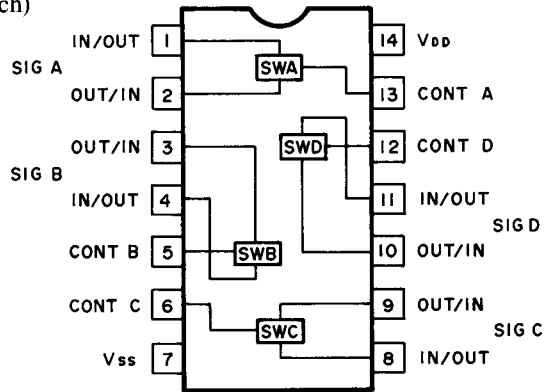
MC14053BCP (Triple-2 channel Multiplexer/ Demultiplexer)



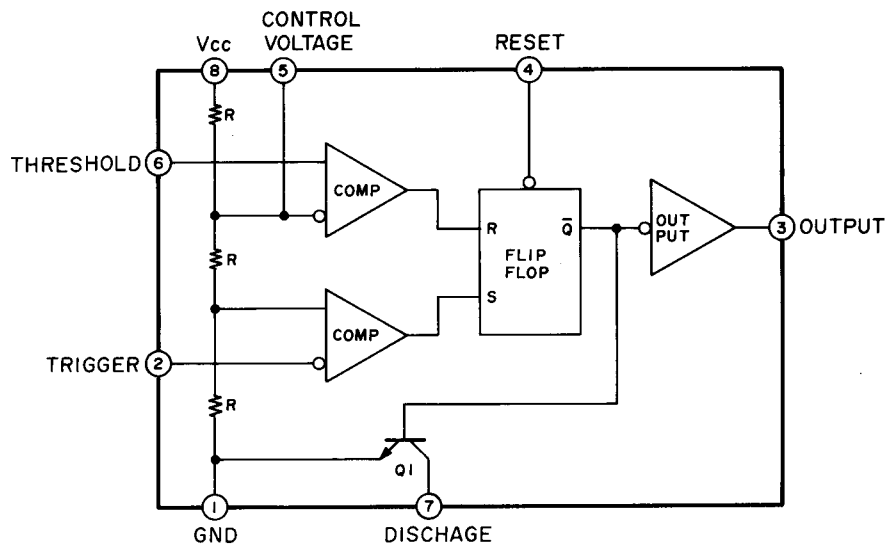
TRUTH TABLE

INHIBIT	A or B or C	"ON" CHANNEL
0	0	X <sub>0</sub> or Y <sub>0</sub> or Z <sub>0</sub>
0	1	X <sub>1</sub> or Y <sub>1</sub> or Z <sub>1</sub>

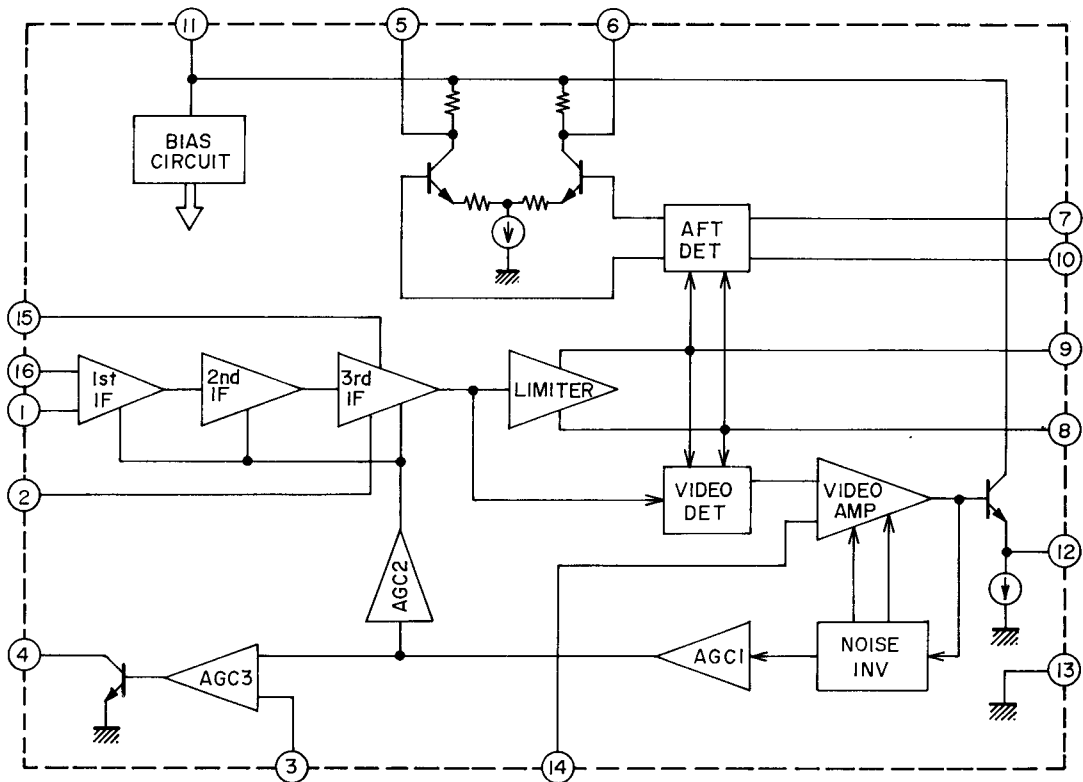
MC14066PCP (Quad bilateral switch)



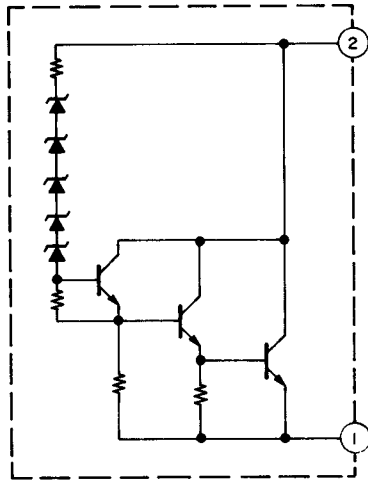
NE555P



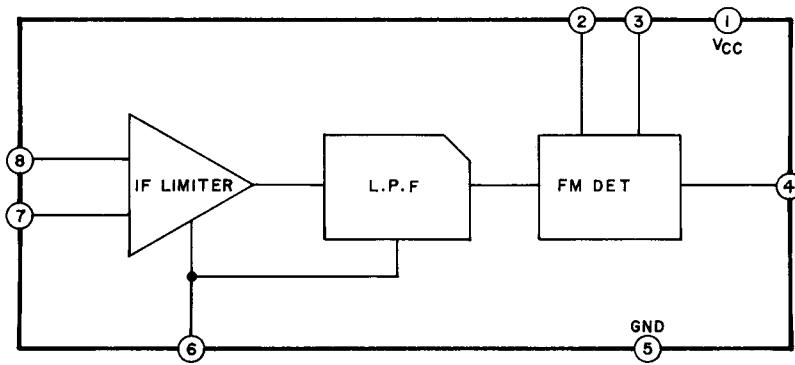
TA7607AP



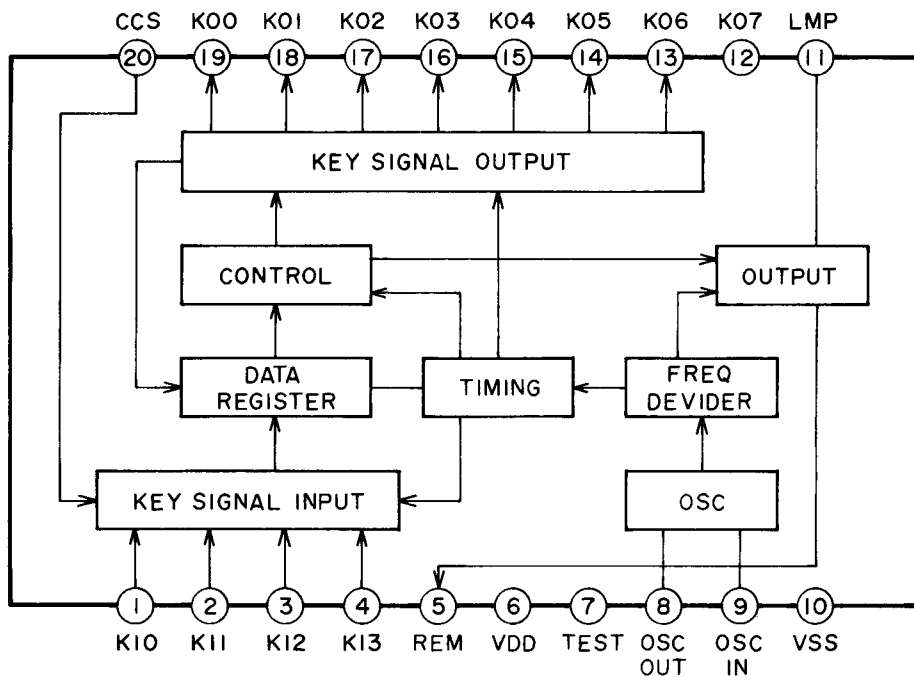
$\mu$ PC574J (Voltage regulator)



$\mu$ PC1391H



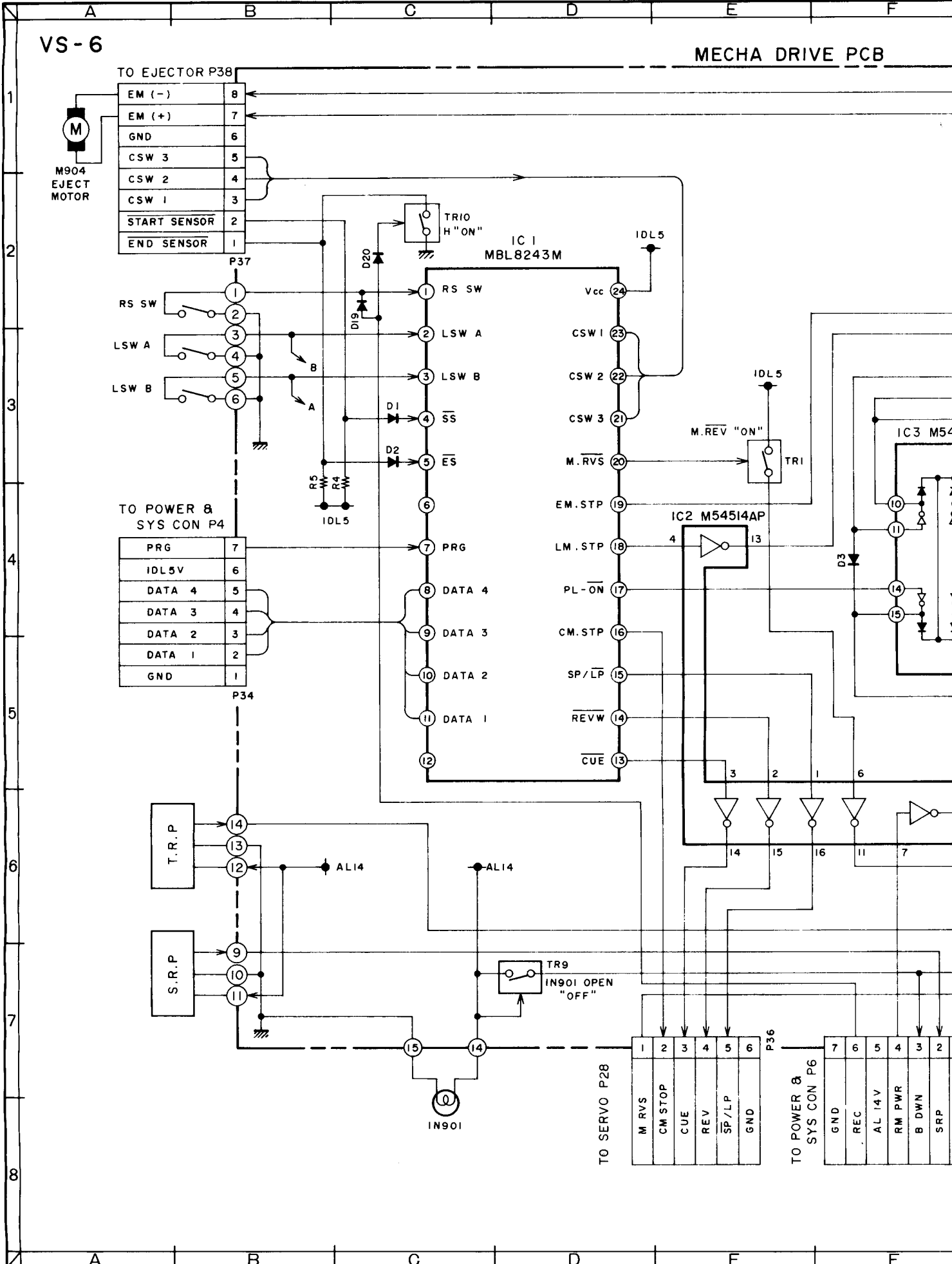
$\mu$ PD1943G





VS - 6

MECHA DRIVE PCB



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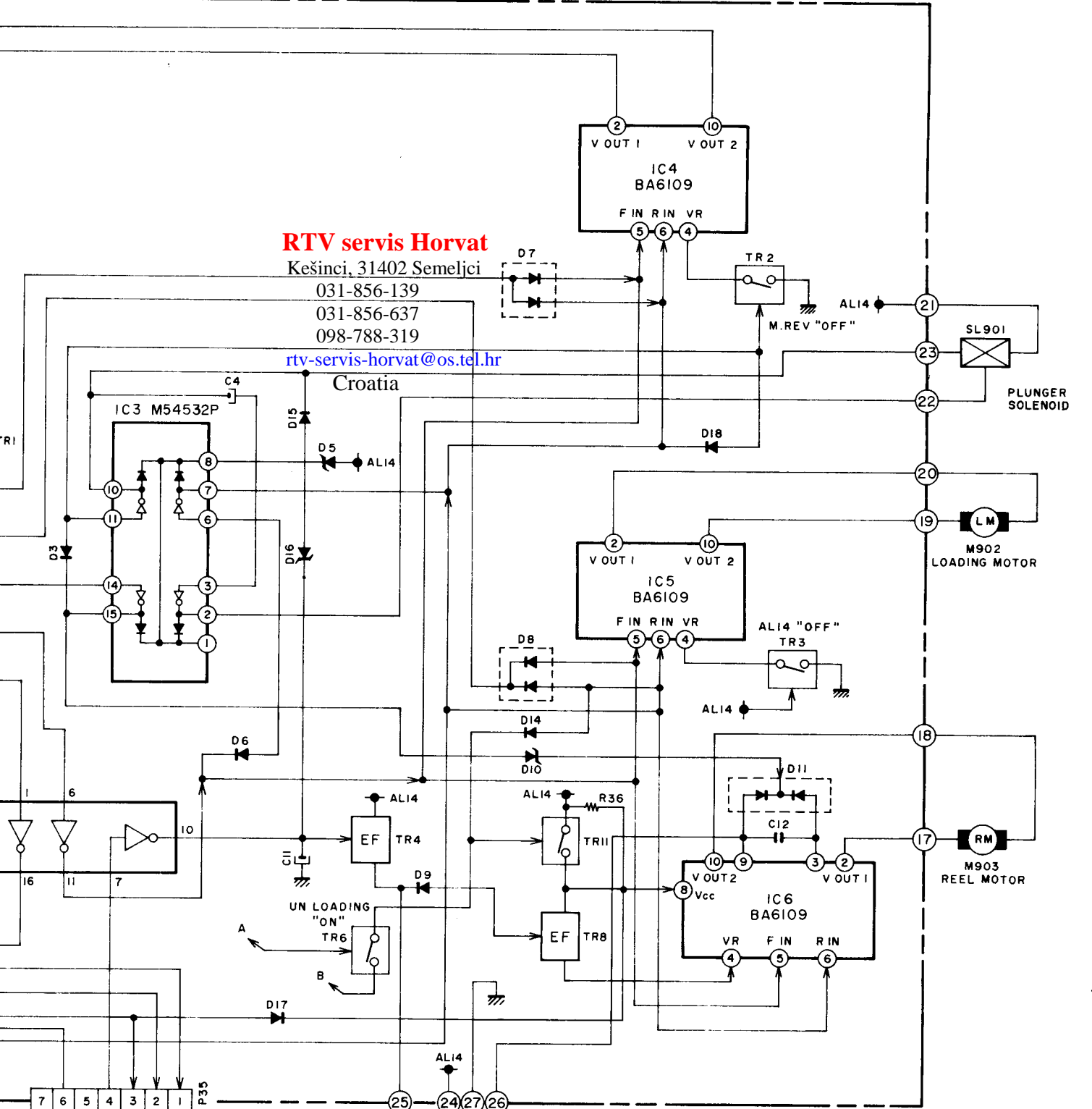
031-856-139

031-856-637

098-788-319

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Croatia

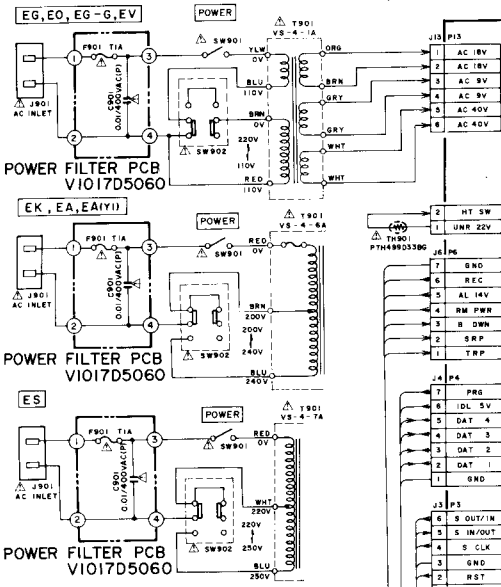


TO POWER & SYS CON P6	7	6	5	4	3	2	1
GND	REC	AL 14V	RM PWR	B DWN	SRP	TRP	

TO EMDD PCB

EG/EG-G/E0/EA  
 VS-6 /EK/EV/EA(YI)  
 MECHA DRIVE  
 BLOCK DIAGRAM  
 No. 23-1 830532E

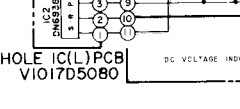
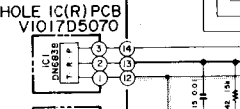
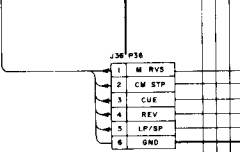
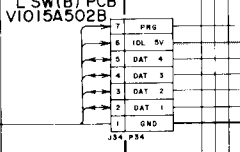
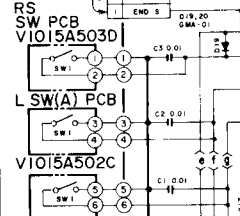
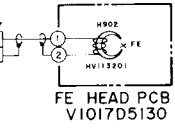
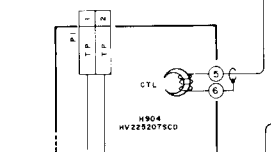
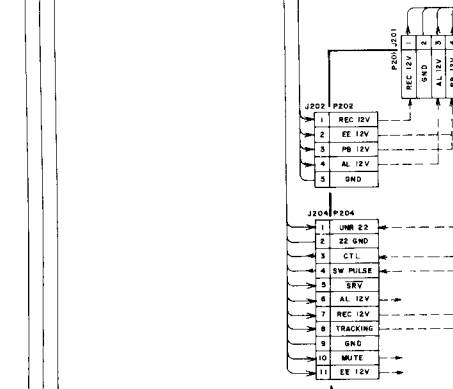
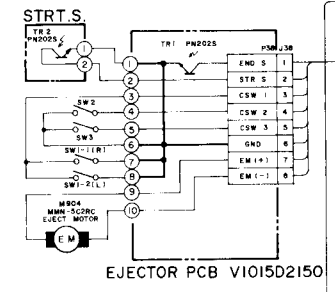
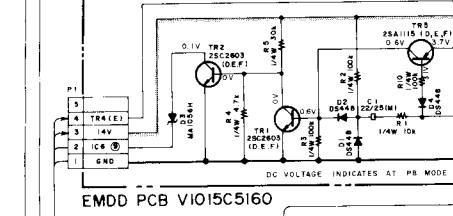
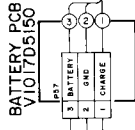
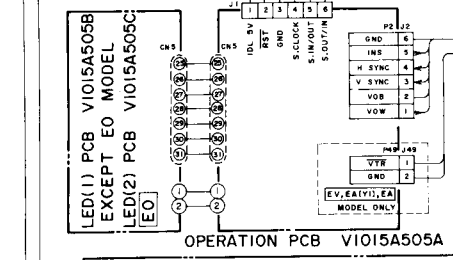
VS-6



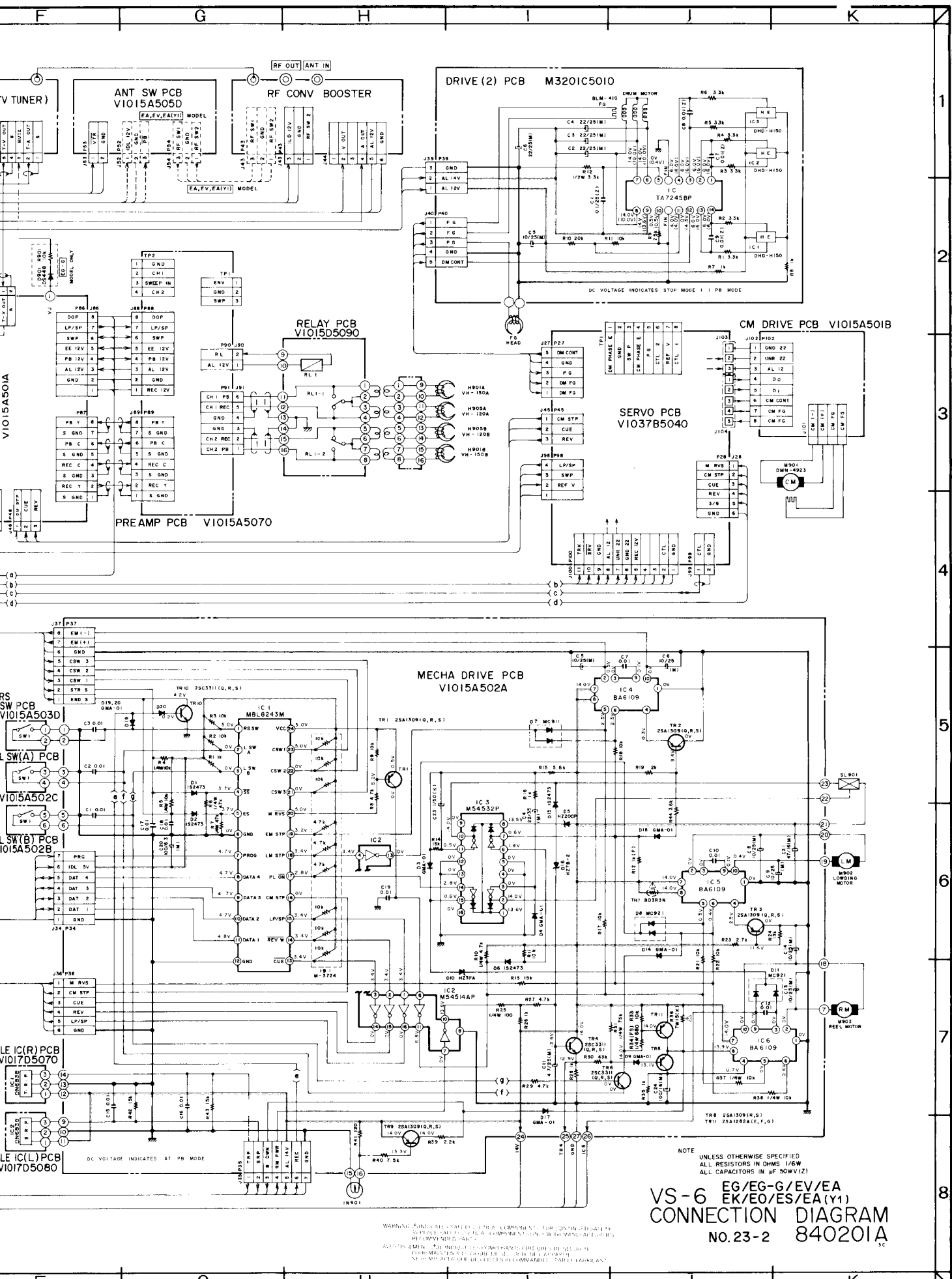
POWER SUPPLY & SYSCON PCB VIO17A5030

DEMODULATOR (TV TUNER)

ANT SW VIO15A...



+B(POWER SUPPLY) LINE



WARNING: UNLESS OTHERWISE SPECIFIED, ALL COMPONENTS ARE TO BE OBTAINED FROM THE MANUFACTURER'S SUPPLY SOURCE. THE MANUFACTURER'S SUPPLY SOURCE IS THE MANUFACTURER'S REPRESENTATIVE. ALL COMPONENTS ARE TO BE OBTAINED FROM THE MANUFACTURER'S REPRESENTATIVE. ALL COMPONENTS ARE TO BE OBTAINED FROM THE MANUFACTURER'S REPRESENTATIVE.

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031-856-139

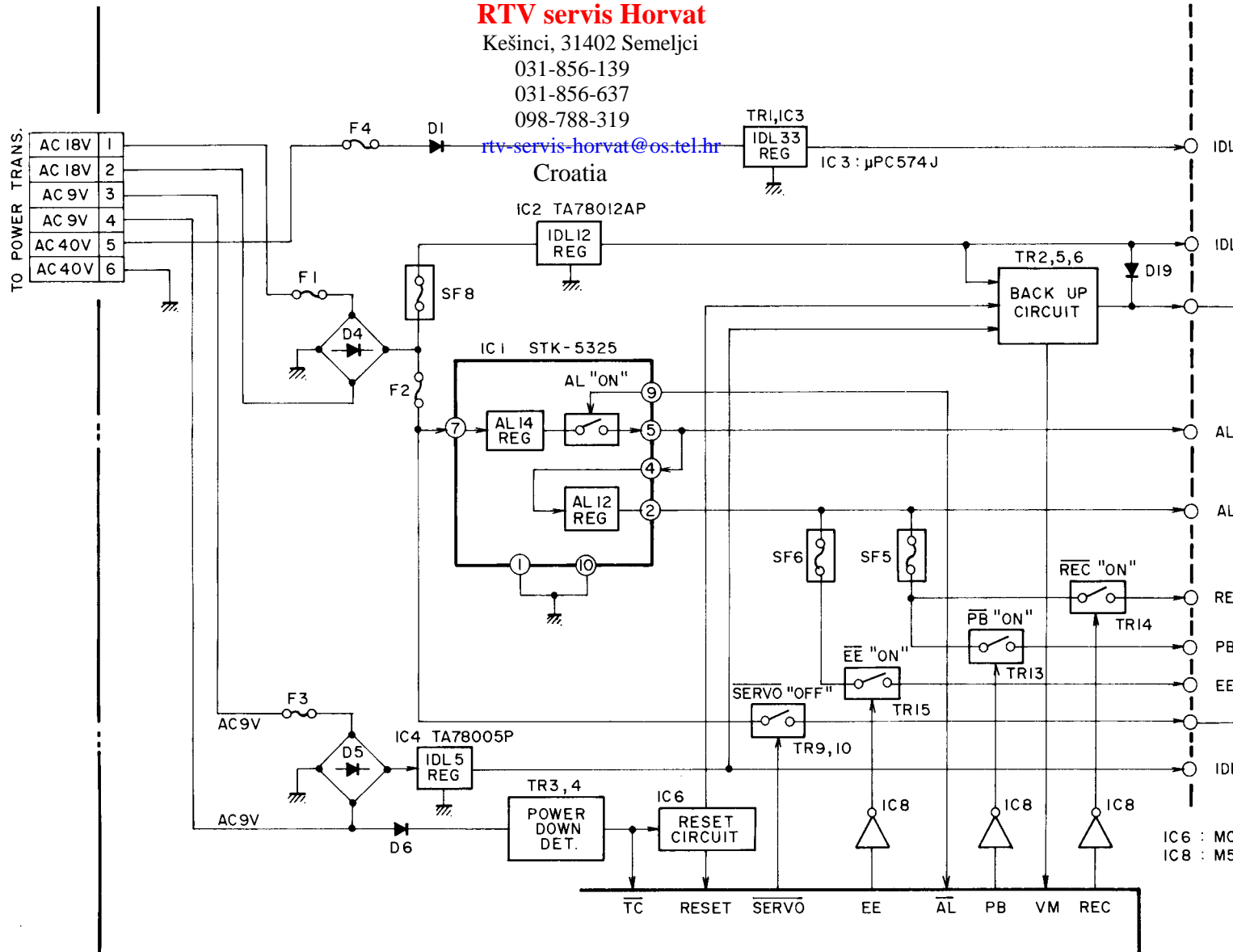
031-856-637

098-788-319

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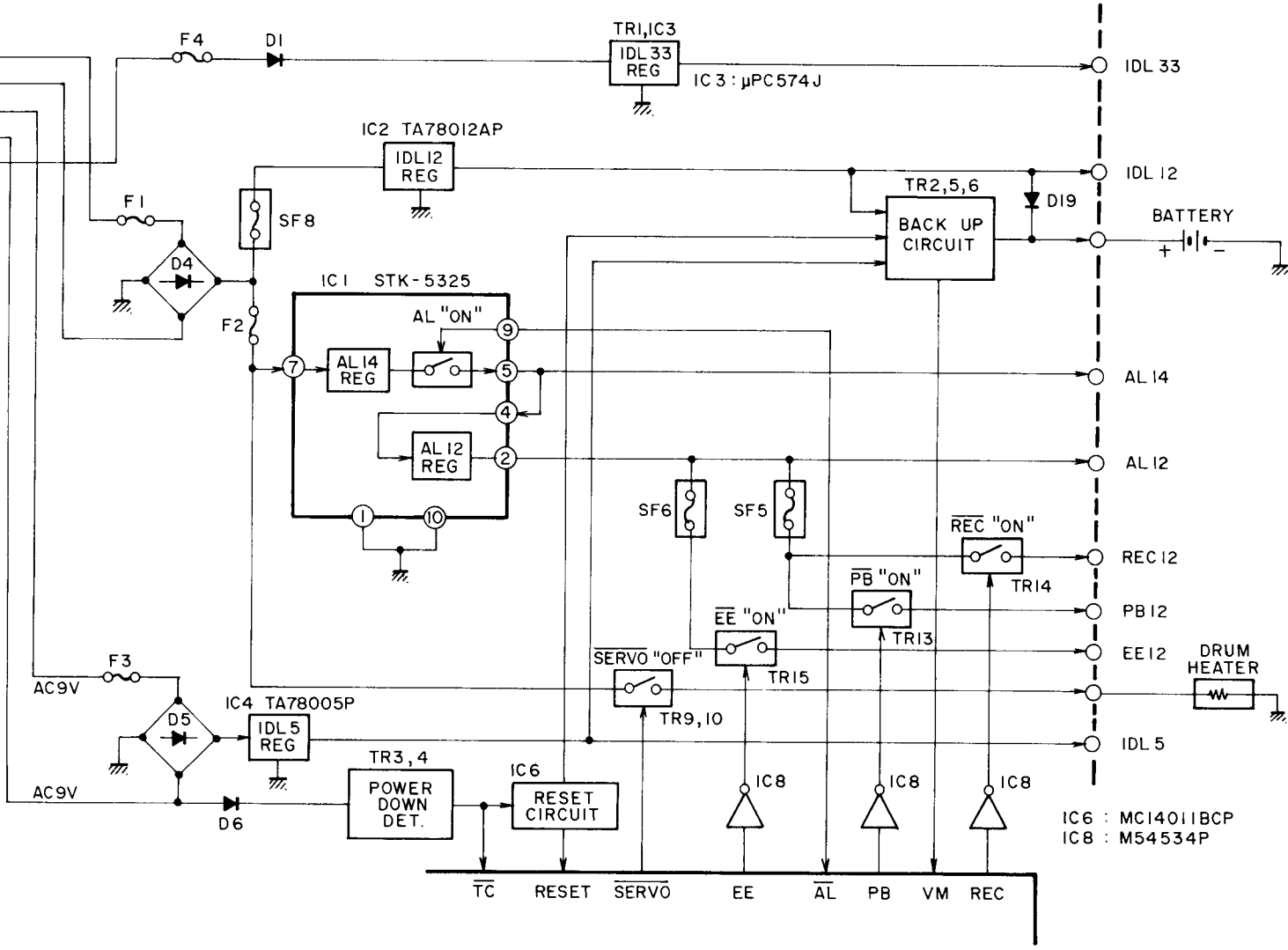
Croatia

IC2 TA78012AP



IC6 : MC  
IC8 : M5

1  
2  
3  
4  
5  
6



IC 6 : MC14011BCP  
IC 8 : M54534P

B

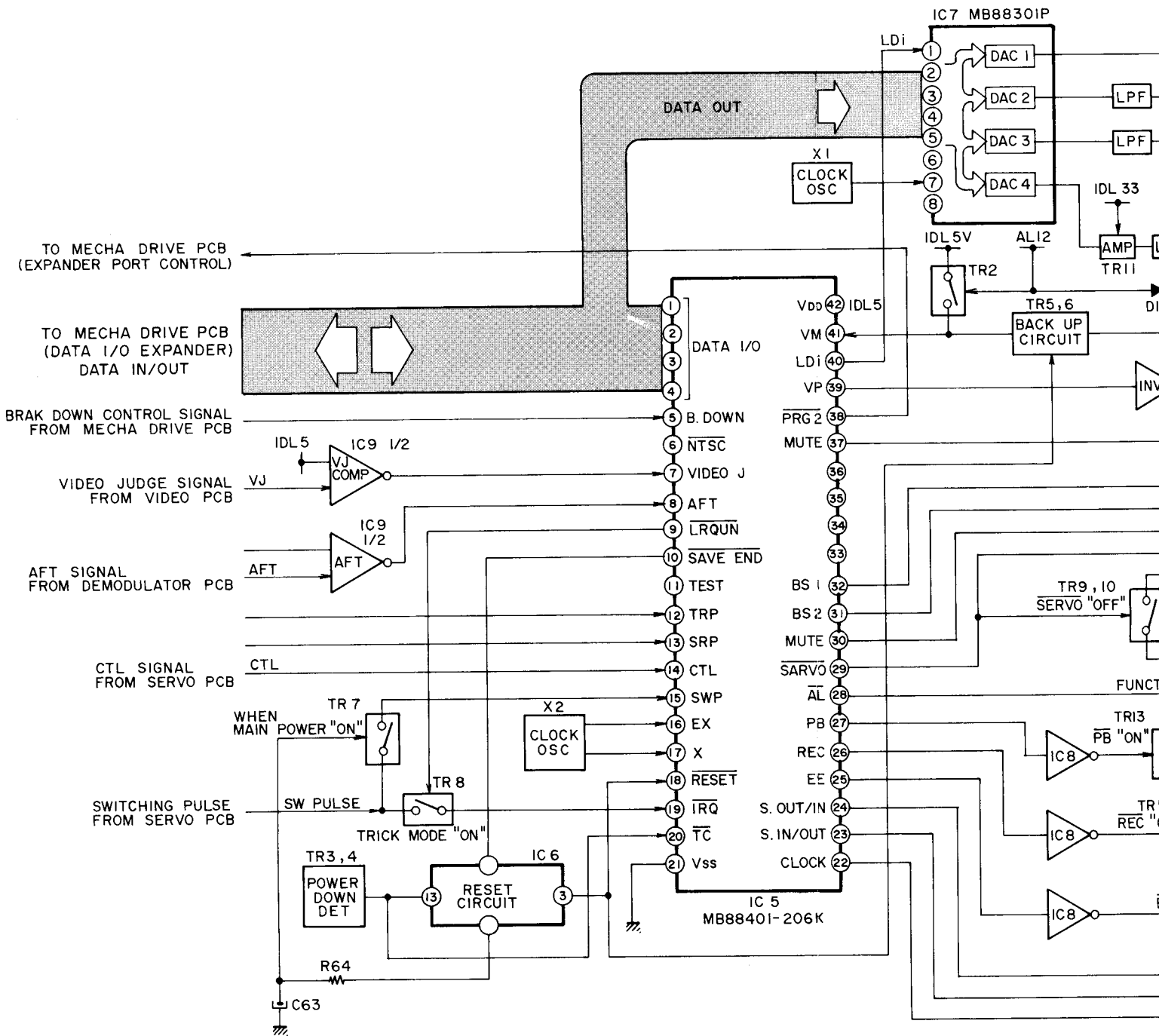
C

D

E

F

G



B

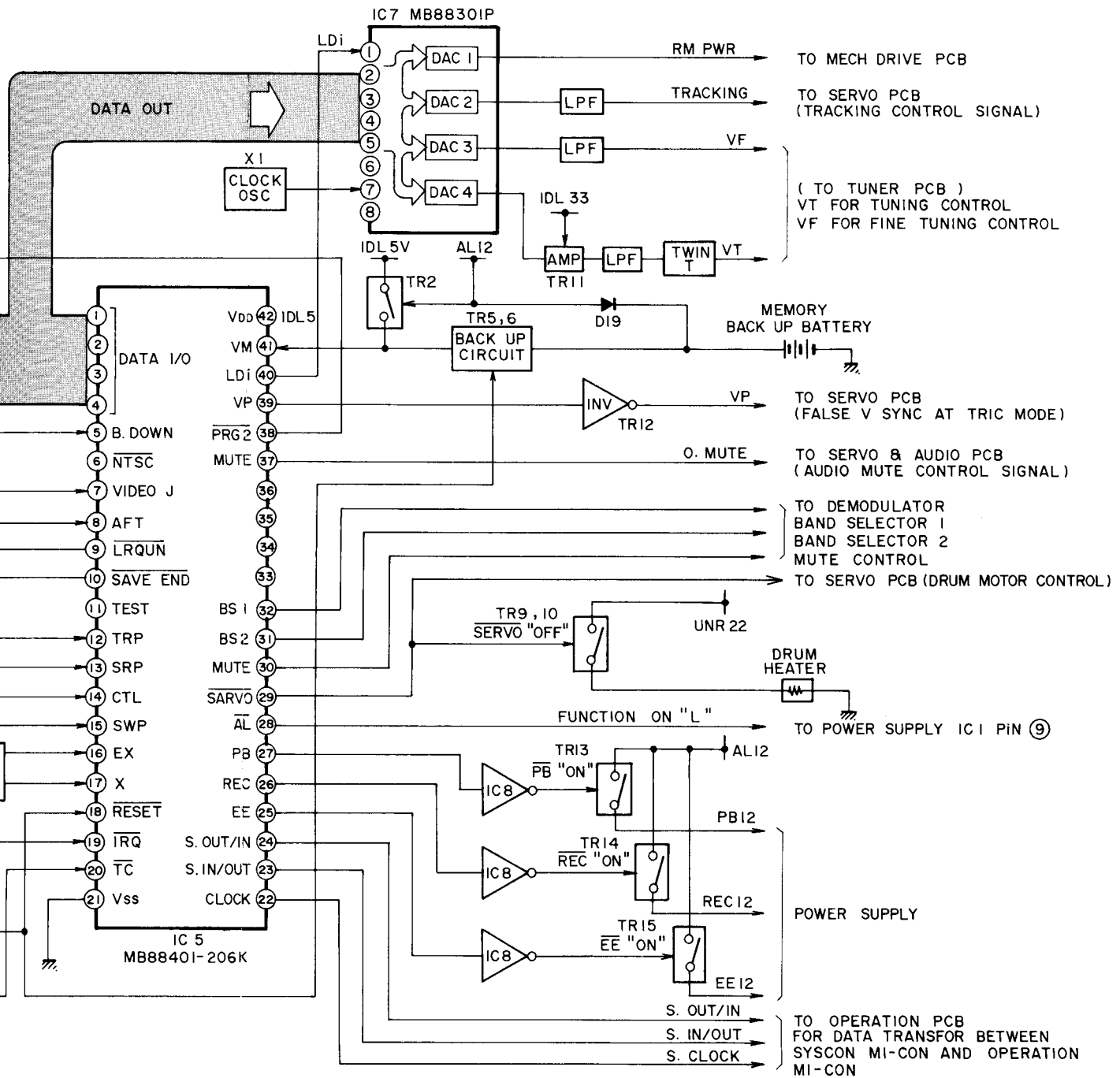
C

D

E

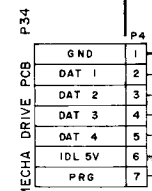
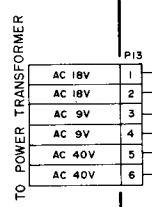
F

G

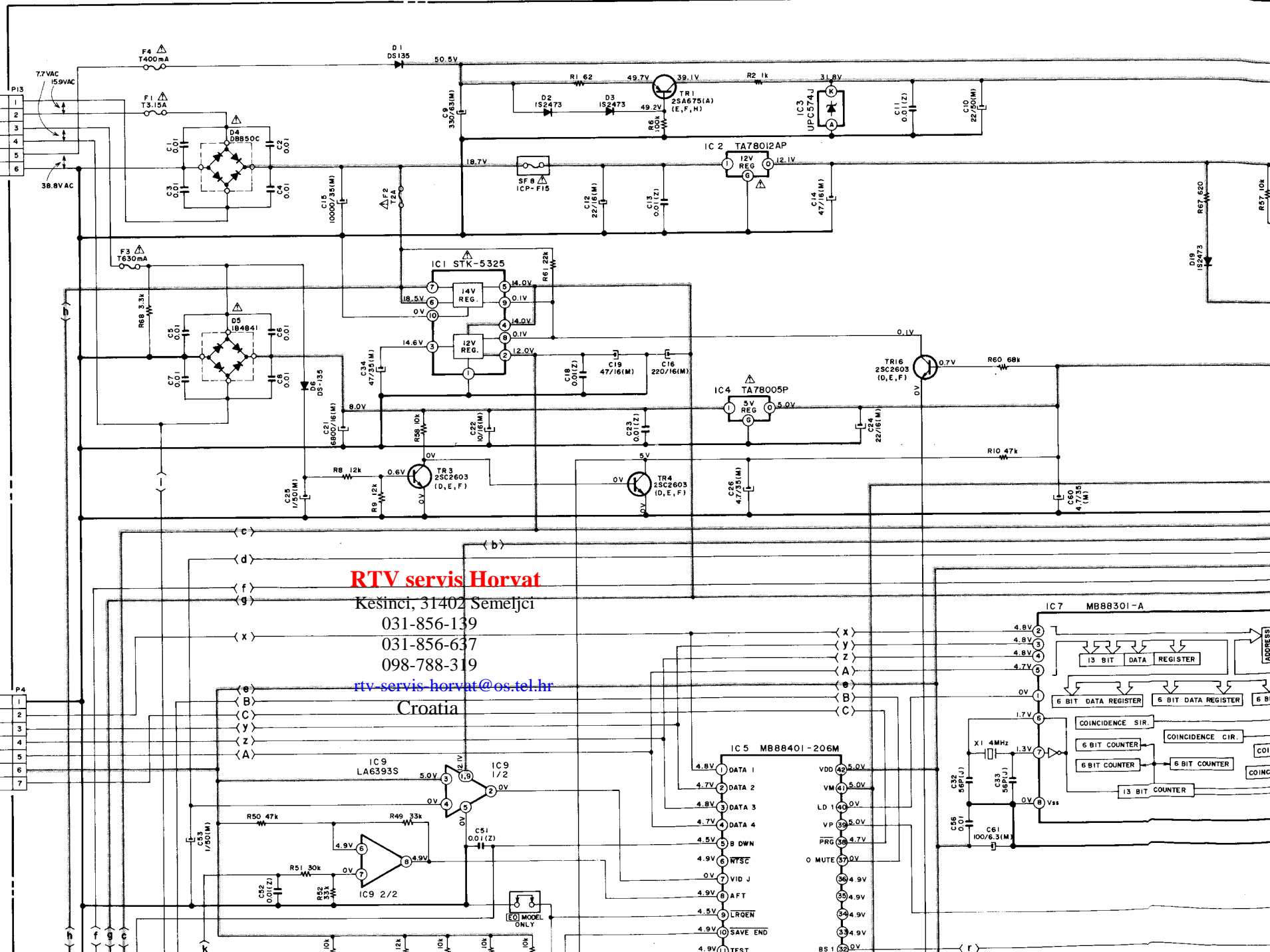


EG/EG-G/EV/  
**VS-6** EK/EO/ES/EA  
 SYSTEM CONTROL  
 BLOCK DIAGRAM  
 NO. 23-4 84020

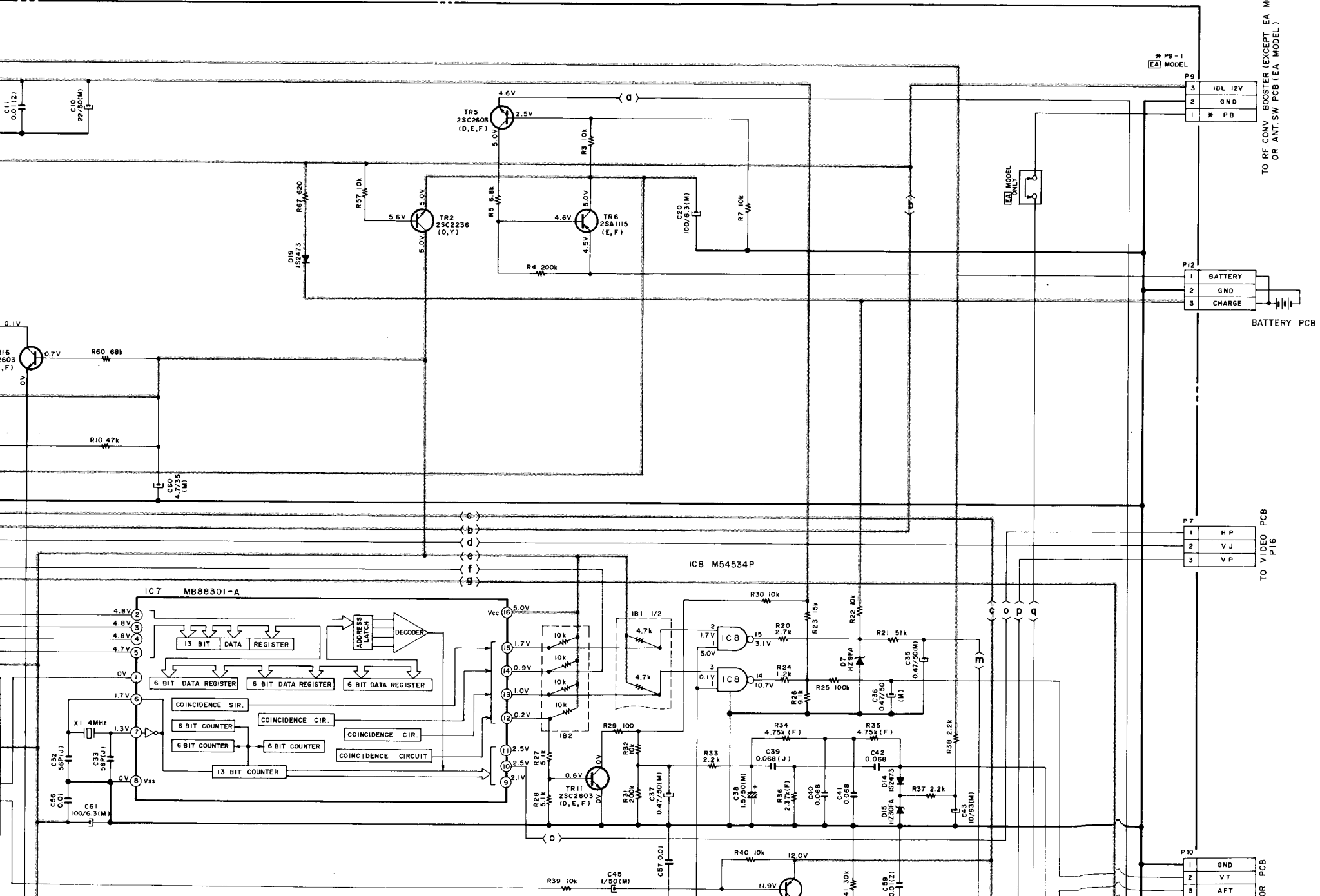




P35



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 031-856-637  
 098-788-319  
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 Croatia

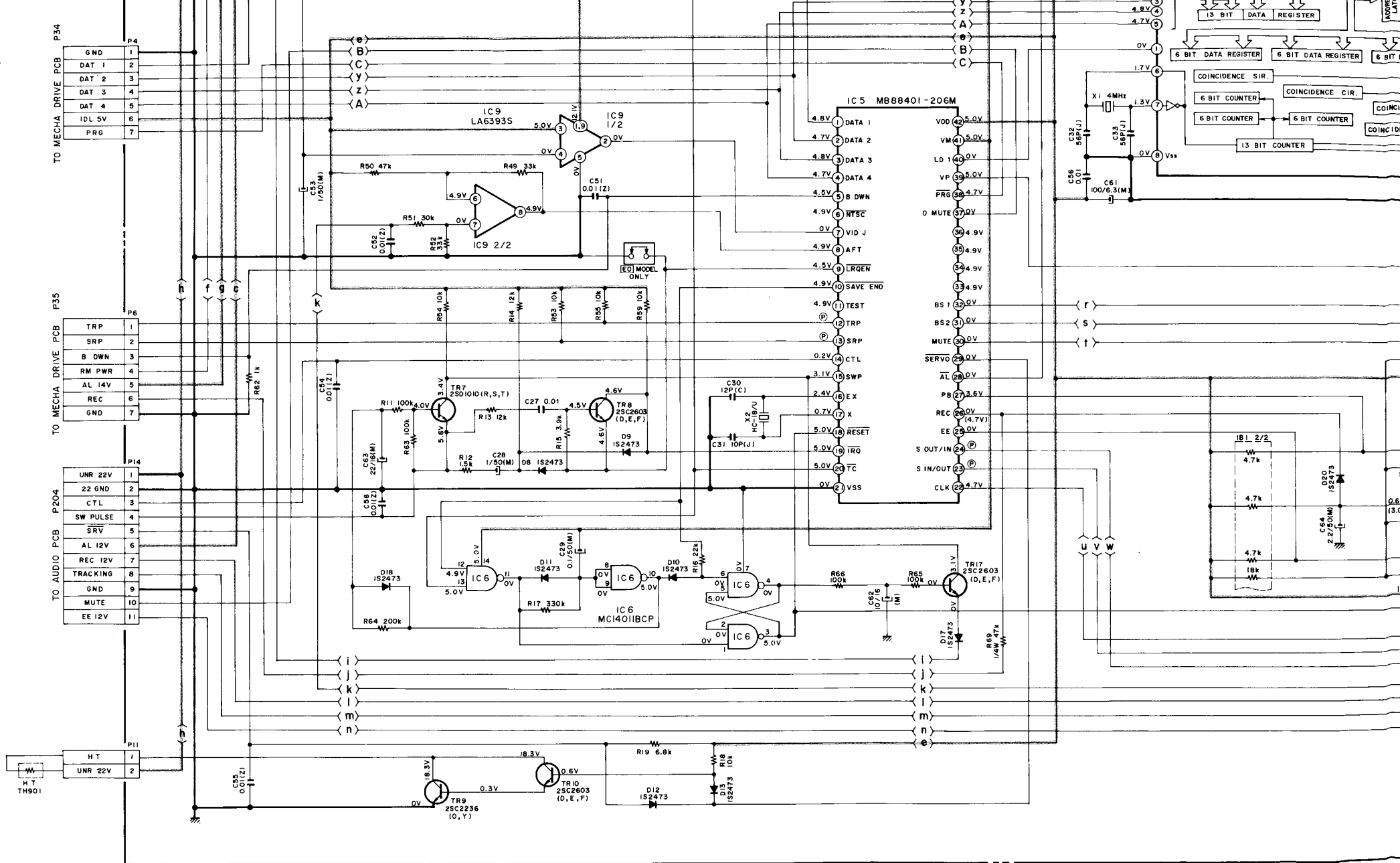


\* P9 - 1  
[EA] MODEL

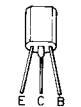
TO RF CONV. BOOSTER (EXCEPT EA MODEL)  
OR ANT. SW PCB (EA MODEL)

TO VIDEO PCB  
P16

OR PCB  
P16



+ B (POWER SUPPLY) LINE



2SA1282A



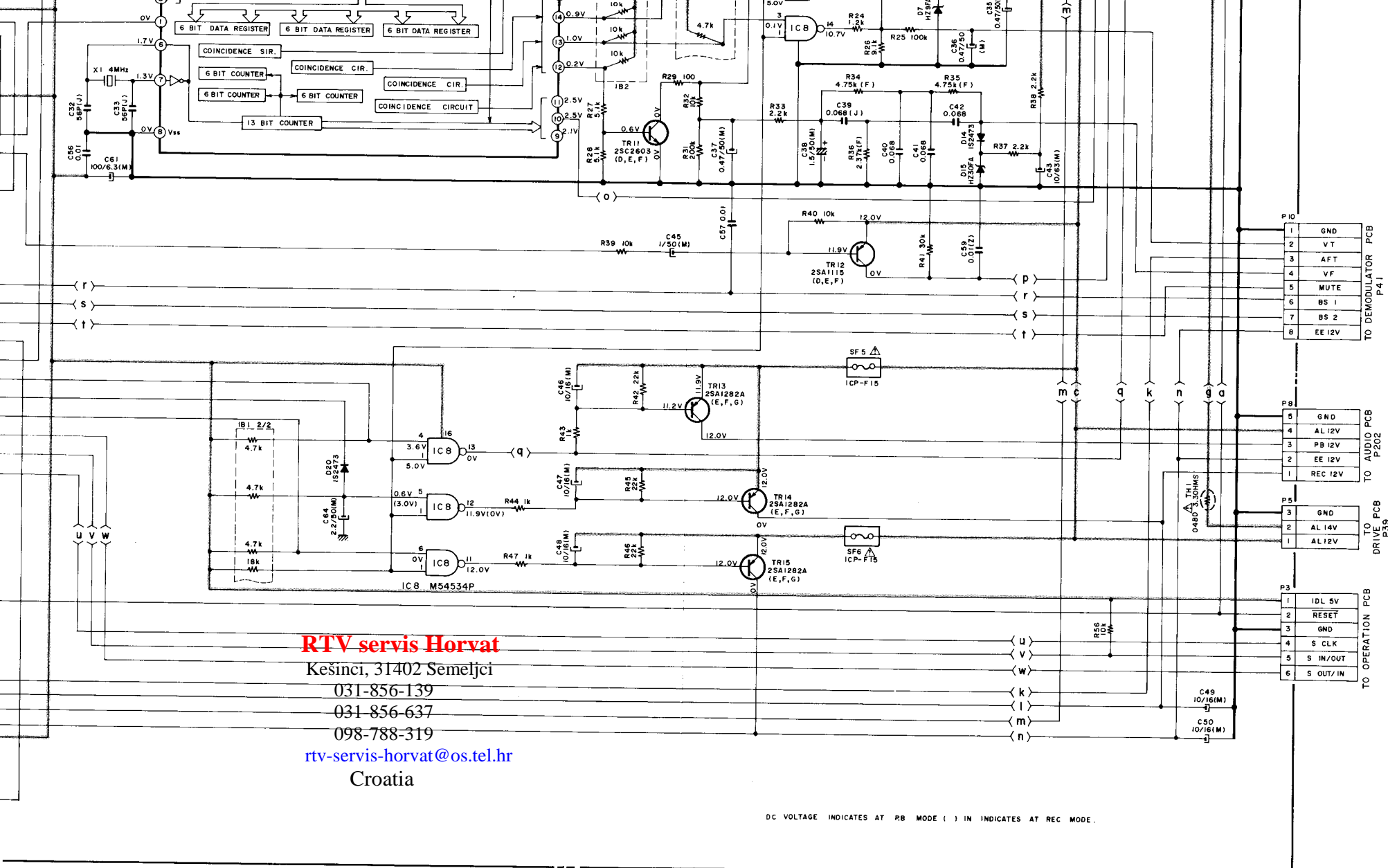
2SA1115  
25C2603



2SC2236



2SA675  
25D1010



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Croatia

DC VOLTAGE INDICATES AT RB MODE ( ) IN INDICATES AT REC MODE.



2SC2236



2SA675  
2SD1010

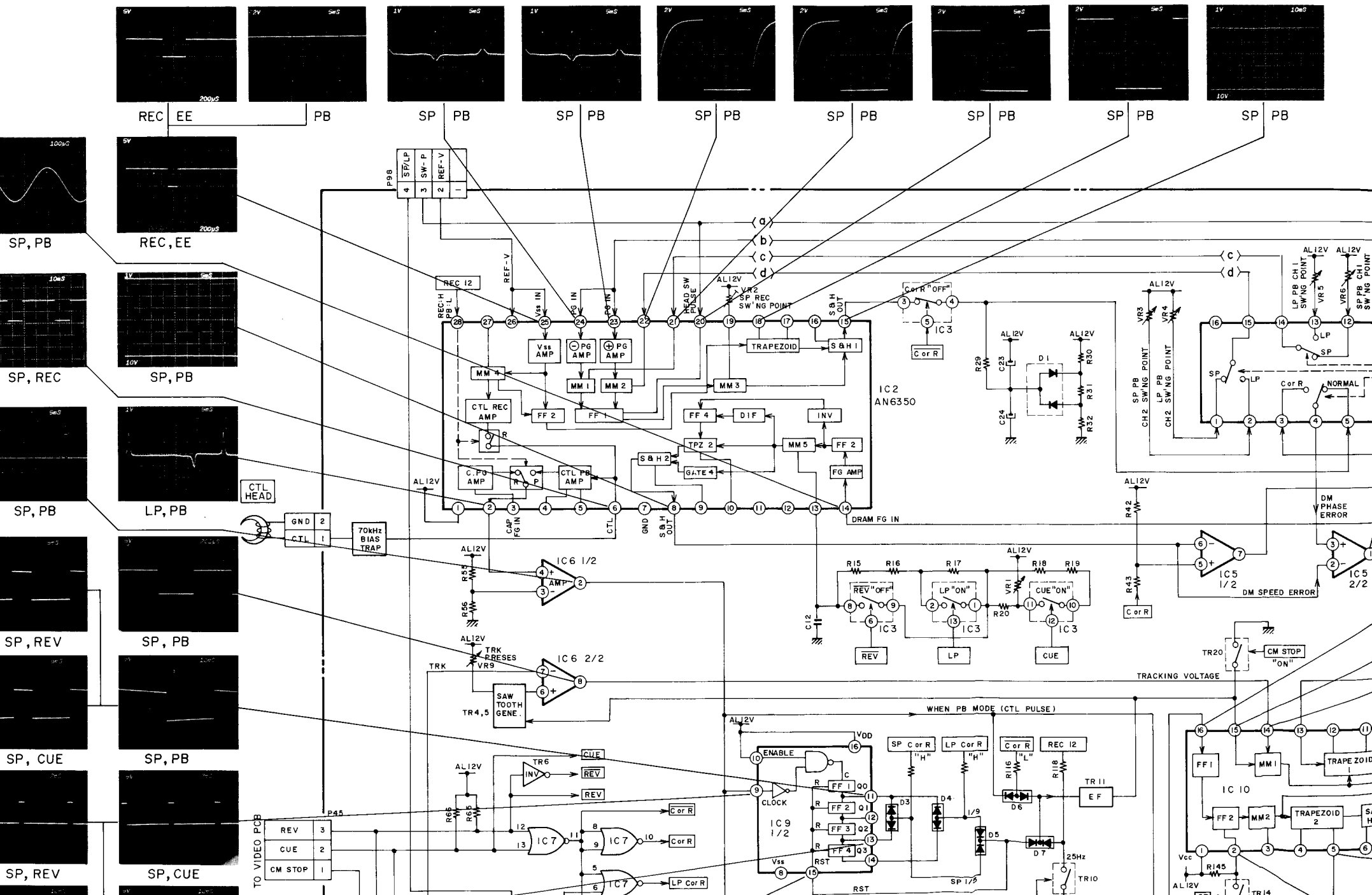
WARNING  $\Delta$  INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

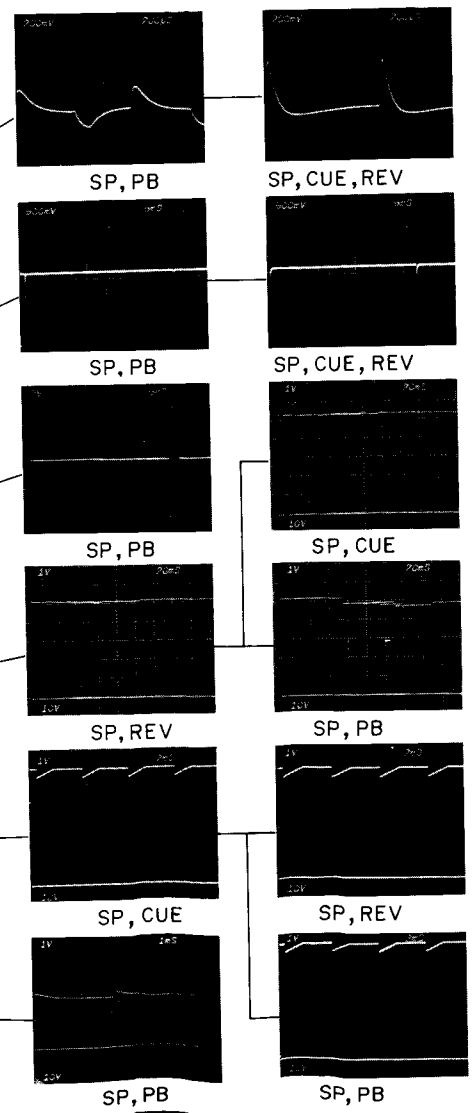
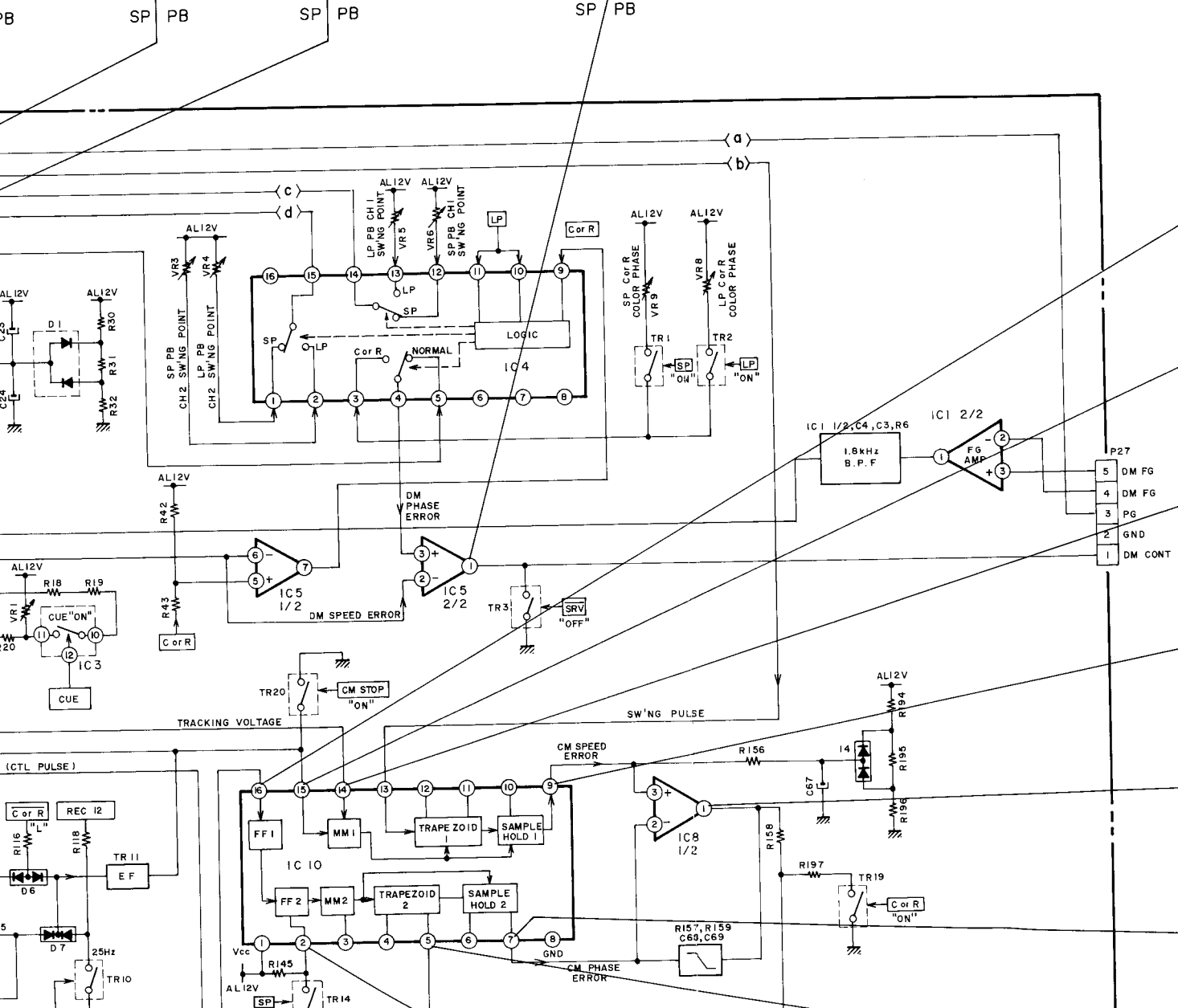
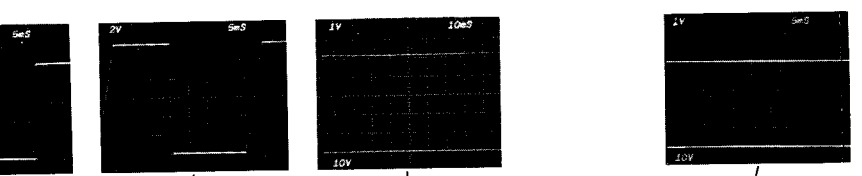
AVERTISSEMENT.  $\Delta$  IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL. NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT

NOTE

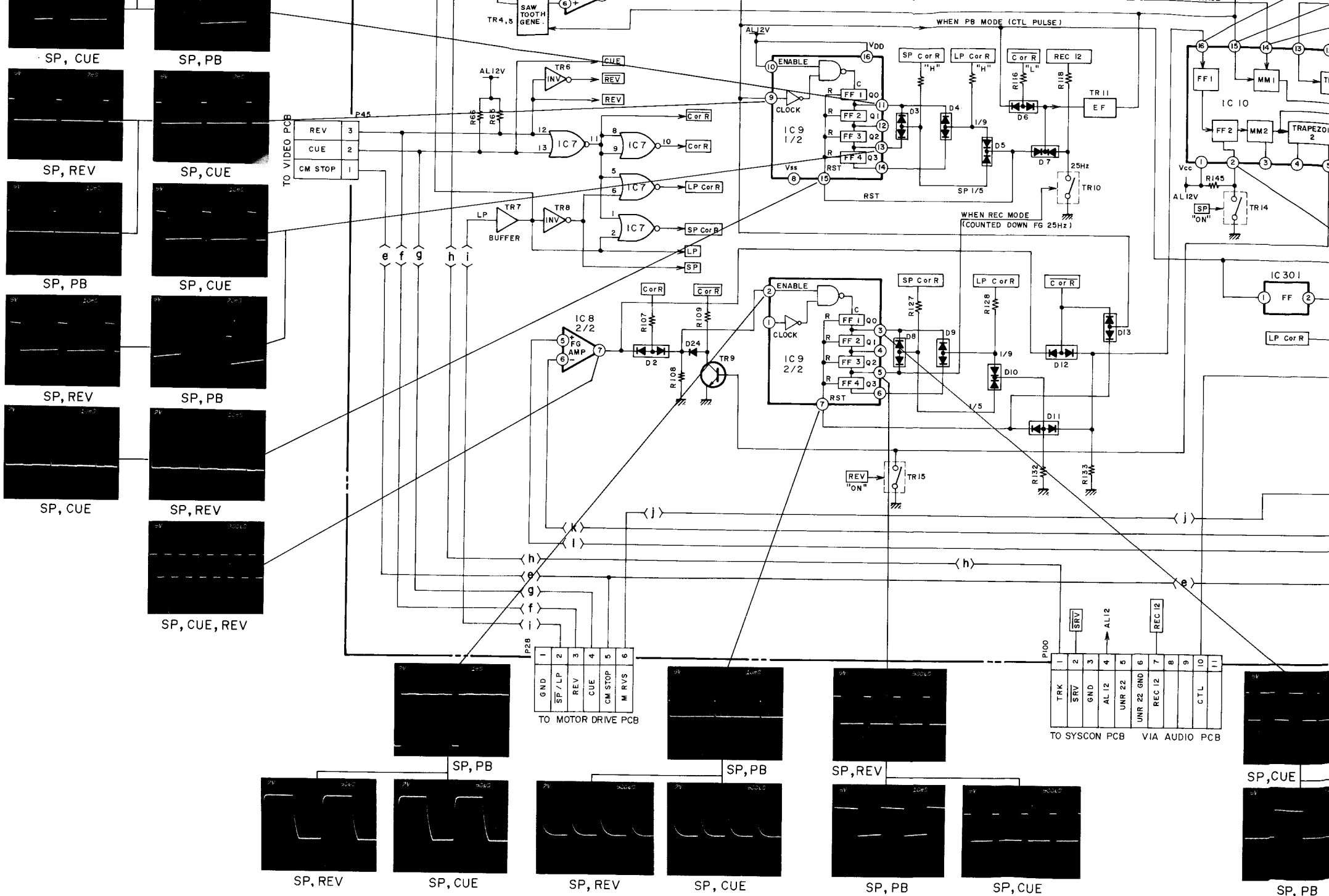
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS 1/4W(J)  
ALL CAPACITORS IN  $\mu$ F 50WV(J)  
SF = SEMI CONDUCTOR FUSE  
POWER TRANSFORMER IS DIFFERENT  
ACCORDING TO AREA

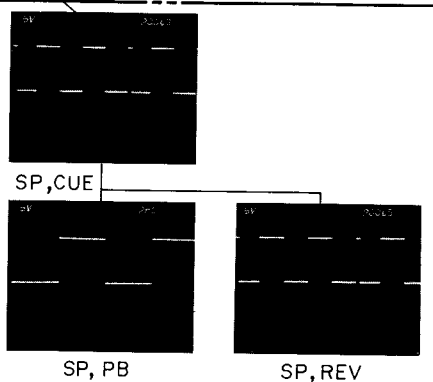
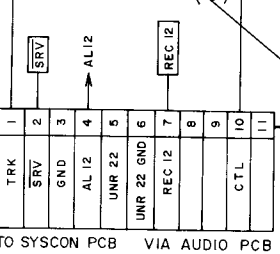
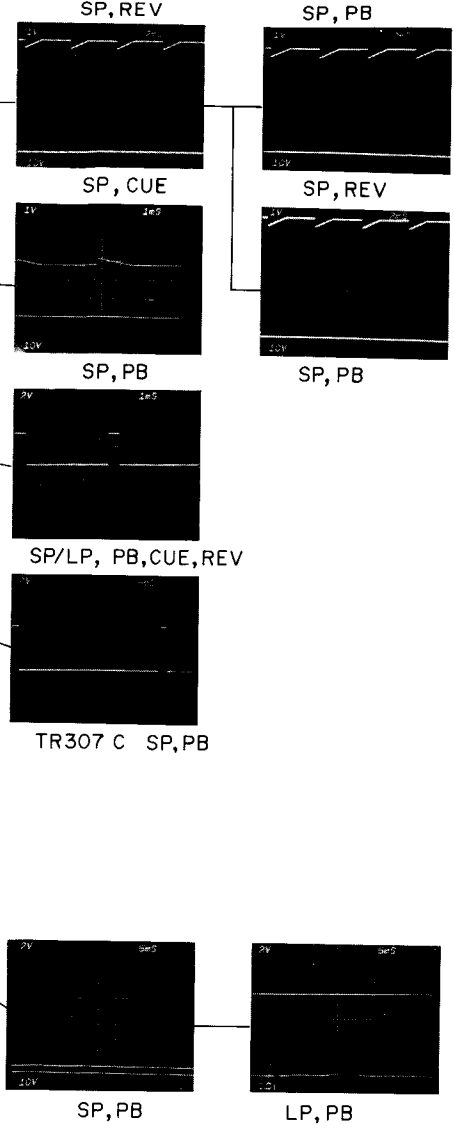
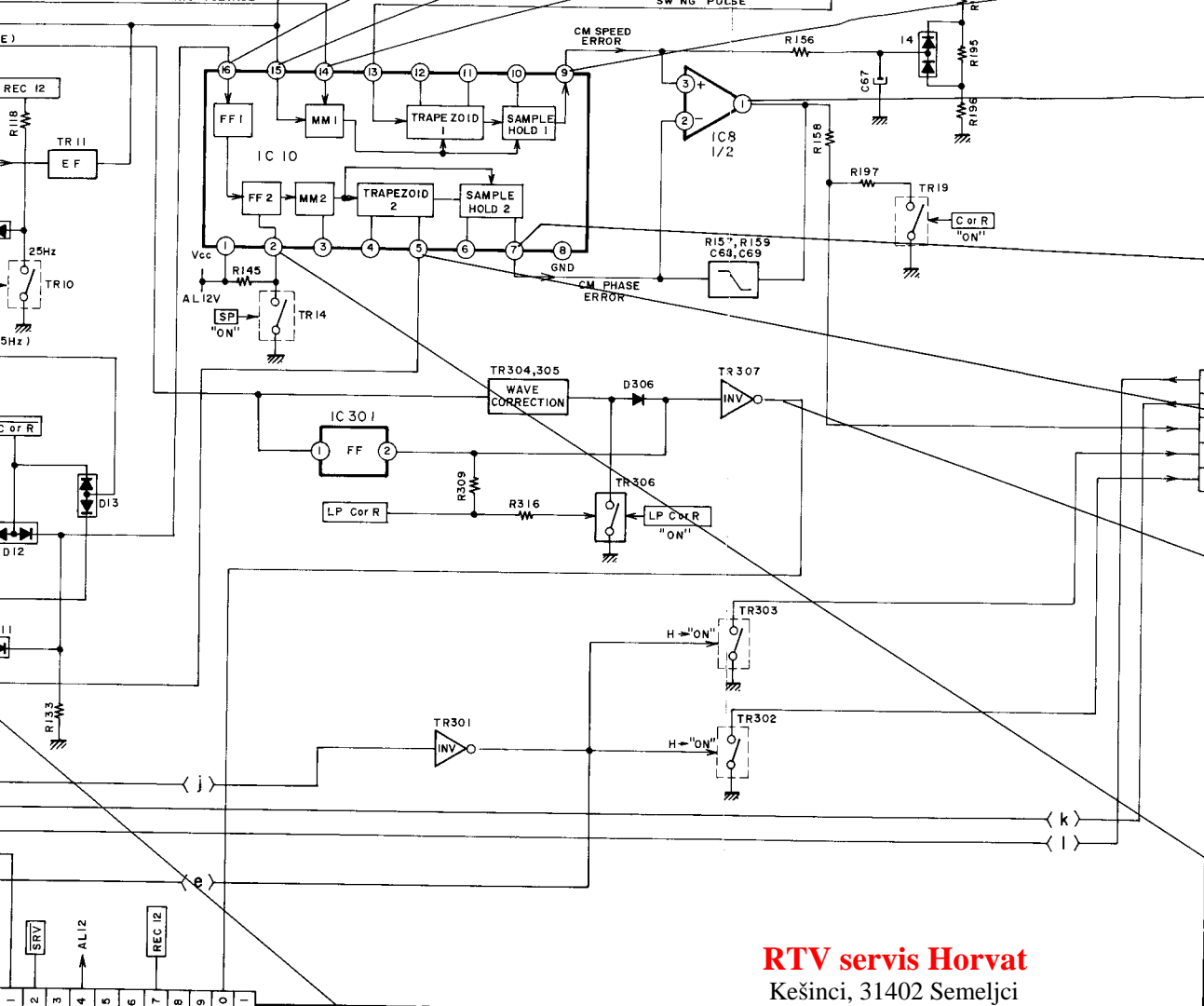
VS-6 EG/EG-G/EV/EA  
EK/E0/ES/EA (Y1)  
POWER & SYSCON  
SCHEMATIC DIAGRAM  
NO. 23-5 840204A





1  
2  
3  
4  
5





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098-788-319

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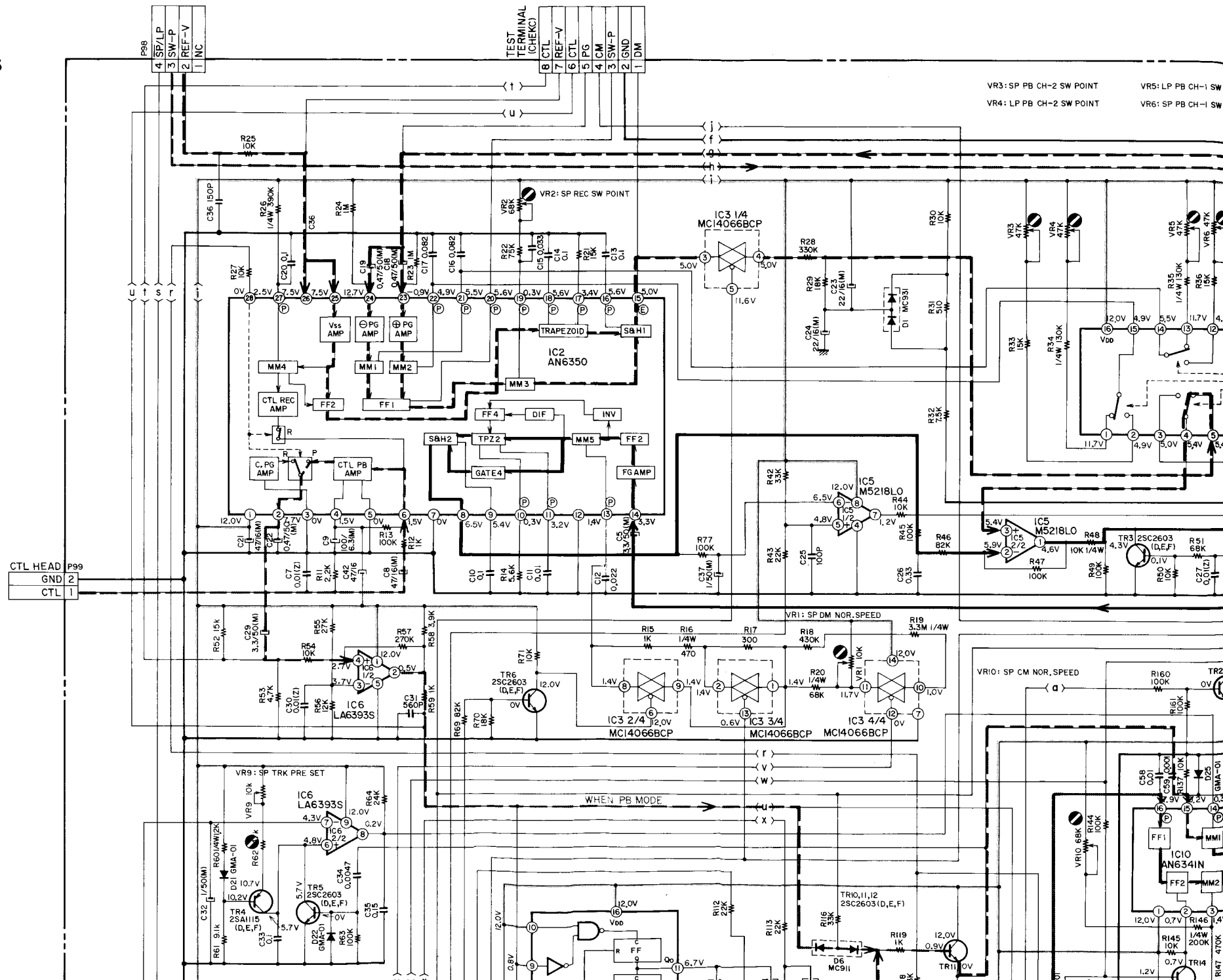
Croatia

VS - 6 EG/EG-G/EV/EA  
SERVO EK/E0/ES/EA(Y1)  
BLOCK DIAGRAM  
No.23-6 840205A

4  
5  
6  
7  
8



VS-6



CTL HEAD P99  
 GND 2  
 CTL 1

TEST TERMINAL (ICHEKC)  
 8 CTL  
 7 REF-V  
 6 CTL  
 5 PG  
 4 CM  
 3 SW-P  
 2 GND  
 1 DM

VR3: SP PB CH-2 SW POINT  
 VR4: LP PB CH-2 SW POINT  
 VR5: LP PB CH-1 SW  
 VR6: SP PB CH-1 SW

- DRUM MOTOR SPEED
- - - DRUM MOTOR PHASE
- CAPSTAN MOTOR SPEED
- - - CAPSTAN MOTOR PHASE
- +B LINE

WHEN PB MODE

TR10,11,12 25C2603(D,E,F)

VR10: SP CM NOR, SPEED

VR1: SP DM NOR, SPEED

VR9: SP TRK PRE SET

IC3 2/4 MCI4066BCP

IC3 3/4 MCI4066BCP

IC3 4/4 MCI4066BCP

IC3 1/4 MCI4066BCP

IC2 AN6350

IC6 LA6393S

TR3 25C2603(D,E,F)

IC10 AN6341N

FF1

MM1

FF2

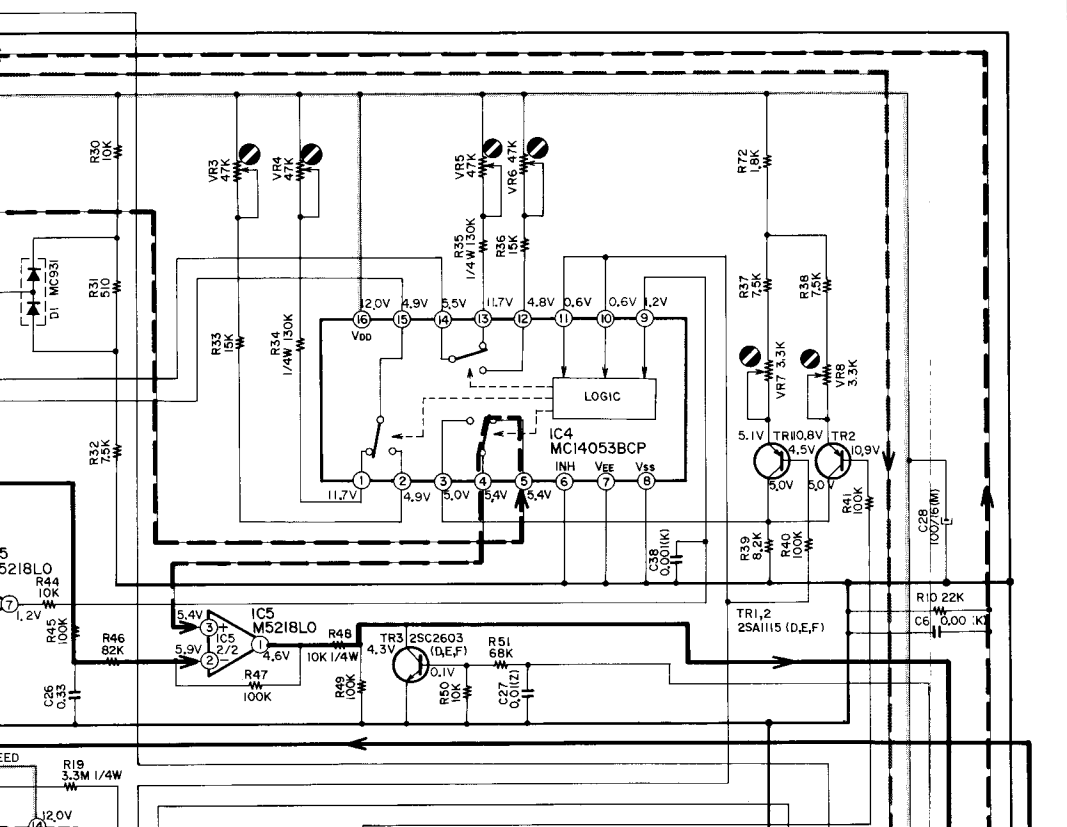
MM2

TR4

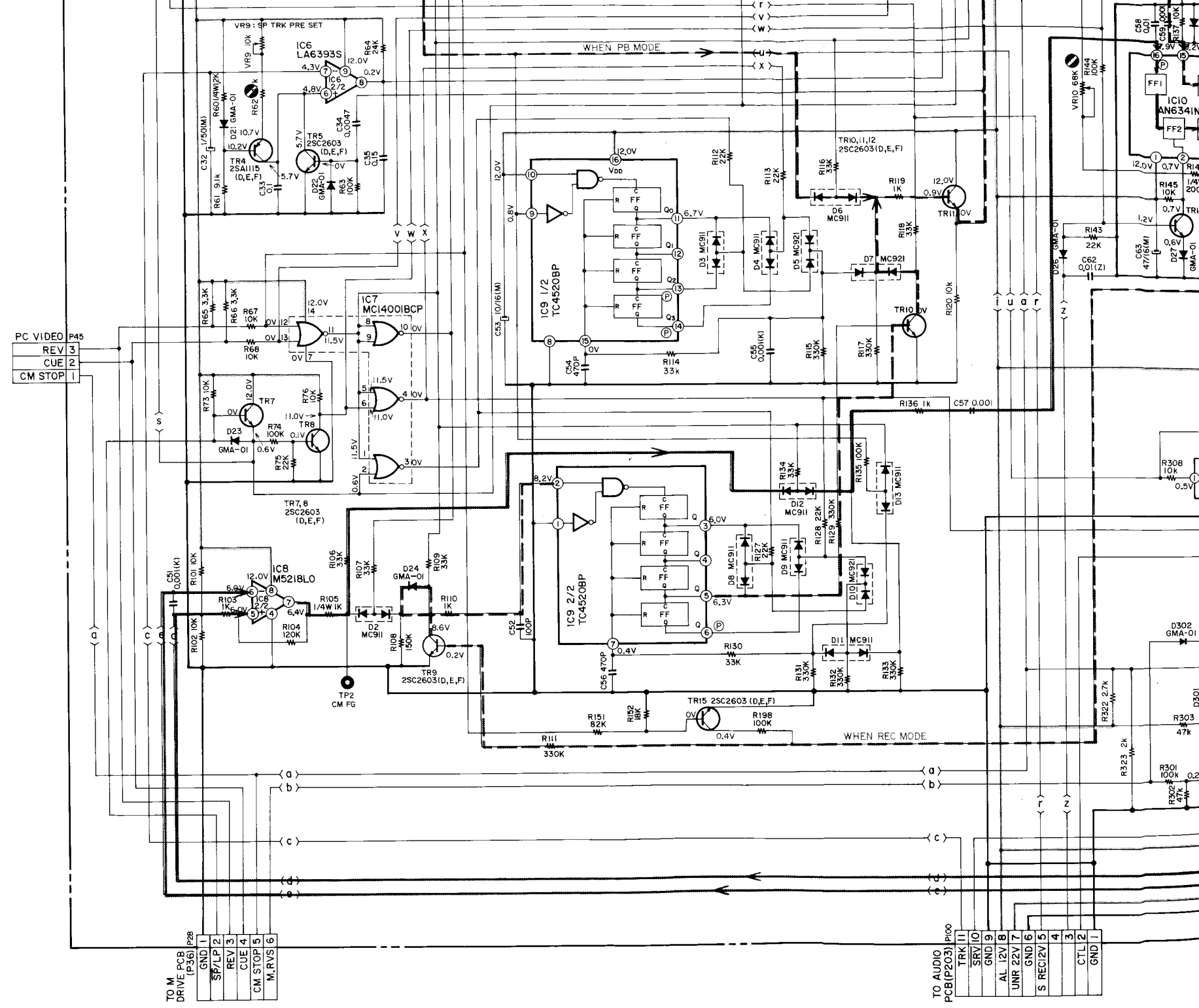
TR4

TR4

VR3: SP PB CH-2 SW POINT  
VR5: LP PB CH-I SW POINT  
VR7: SP CUE/REV COLOR PHASE  
VR4: LP PB CH-2 SW POINT  
VR6: SP PB CH-I SW POINT  
VR8: LP CUE/REV COLOR PHASE



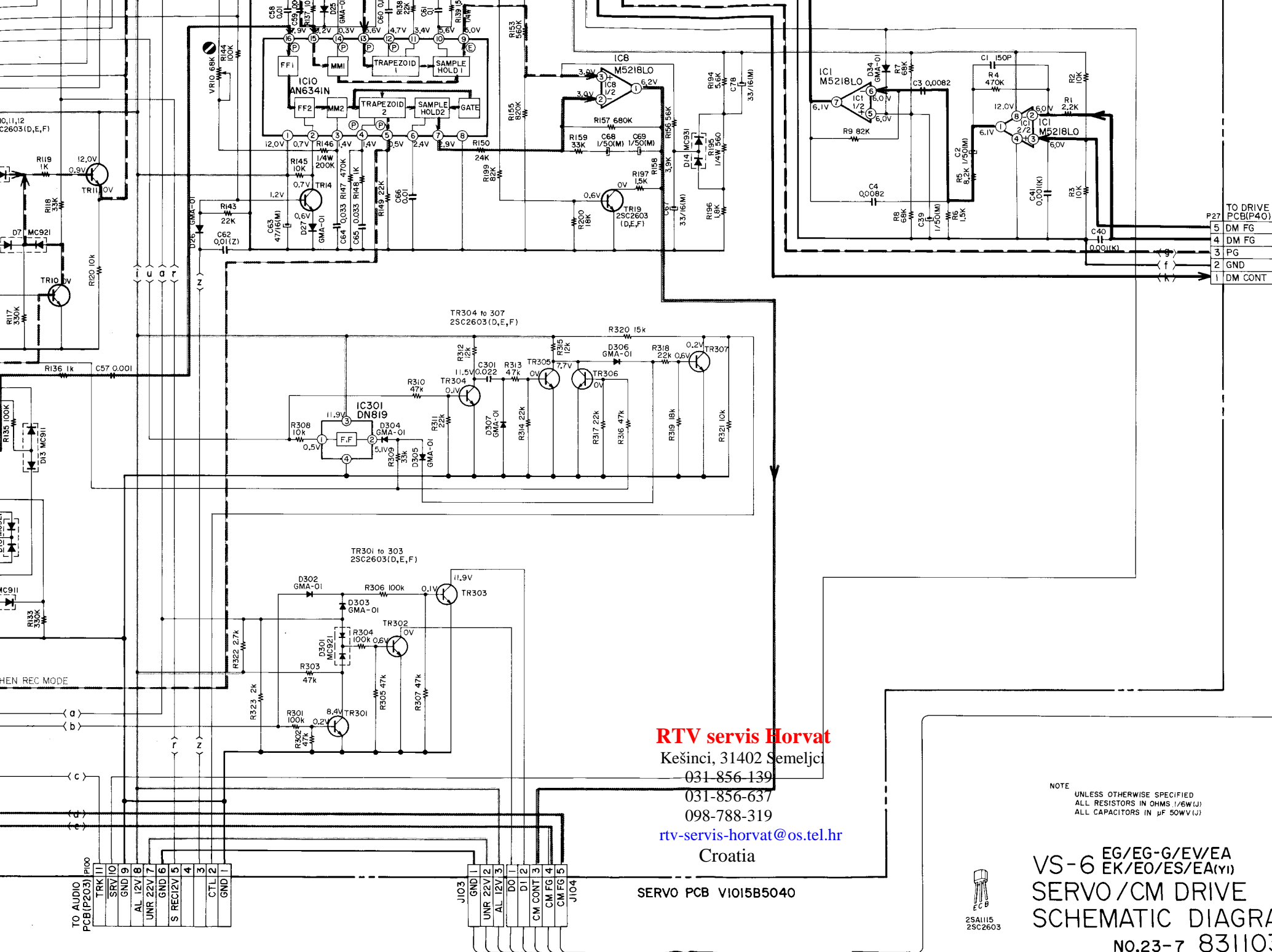
- DRUM MOTOR SPEED
- DRUM MOTOR PHASE
- CAPSTAN MOTOR SPEED
- CAPSTAN MOTOR PHASE
- +B LINE



PC VIDEO	P45
REV	3
CUE	2
CM STOP	1

TO M DRIVE PCB (P36)	P36
GND	1
SP/LP	2
REV	3
CUE	4
CM STOP	5
M.RVS	6

TO AUDIO PCB (P203)	P203
TRK	11
SRV	10
GND	9
AL	12V
UNR	22V
GND	6
S REC	2V
GND	4
GND	3
CTL	2
GND	1

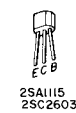


TO DRIVE PCB(P40)

5	DM FG
4	DM FG
3	PG
2	GND
1	DM CONT

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 031-856-637  
 098-788-319  
[rtv-servis-horvat@os.tel.hr](mailto:rtv-servis-horvat@os.tel.hr)  
 Croatia

NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS (1/6W(J))  
 ALL CAPACITORS IN µF 50WV(J)

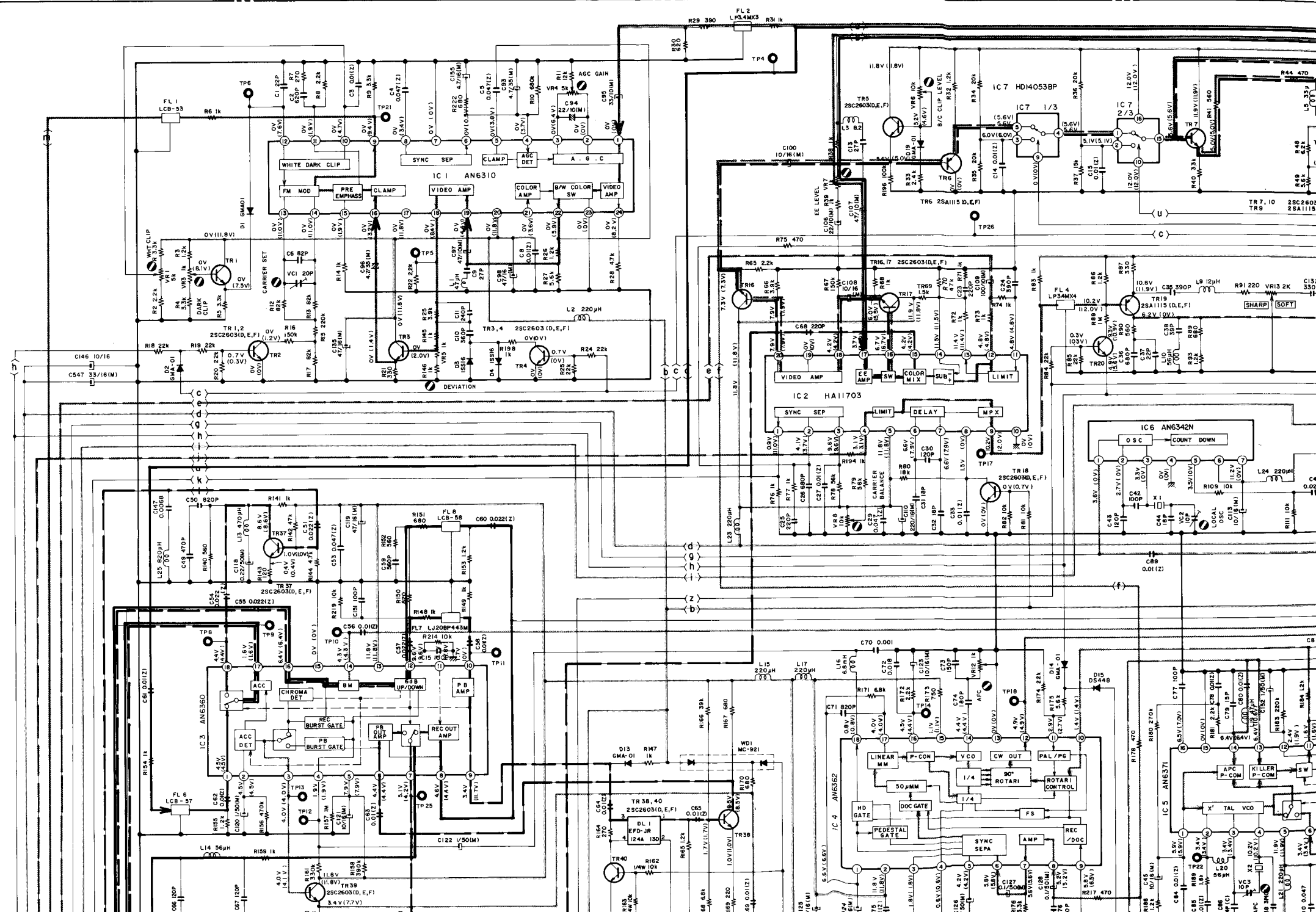


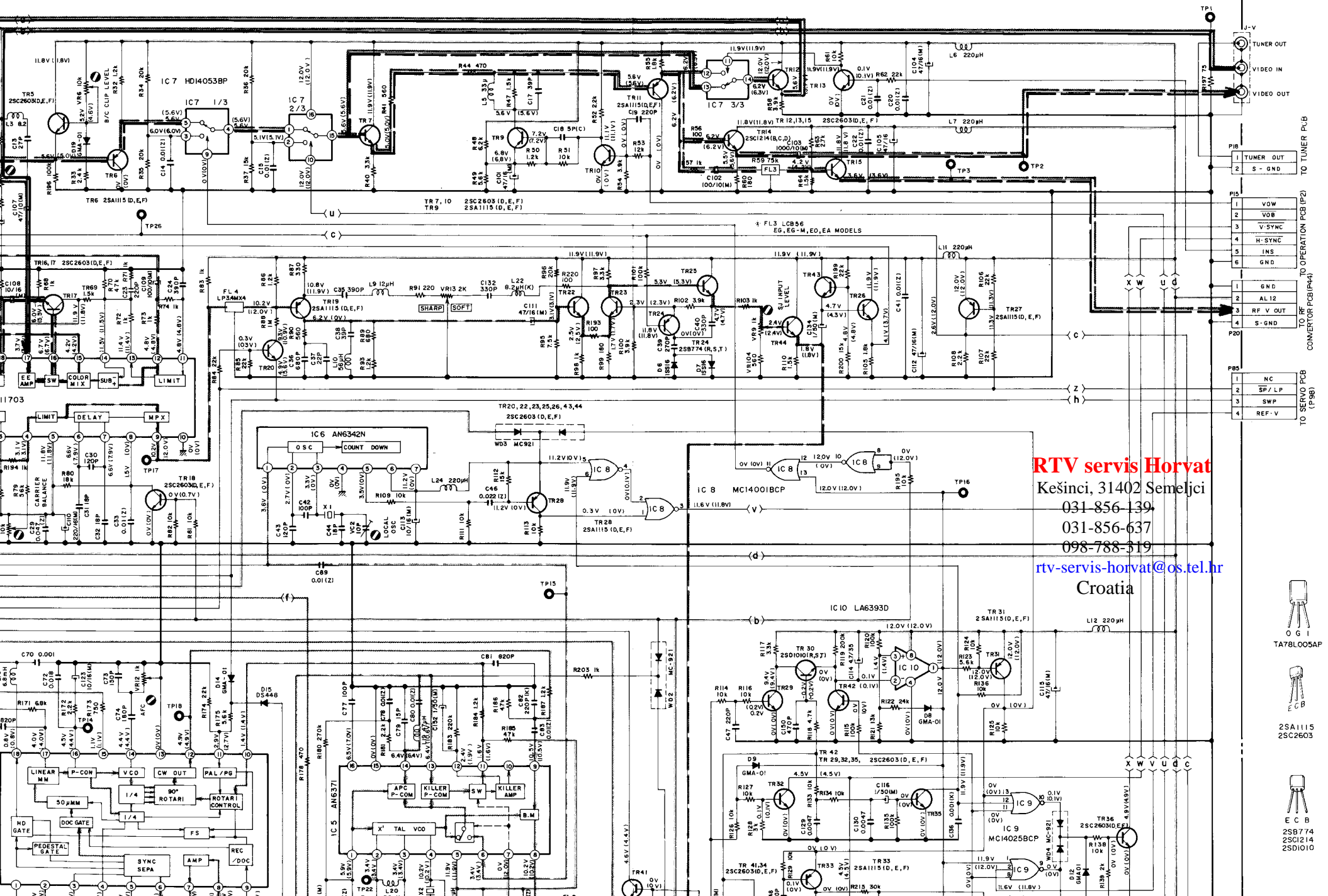
VS-6 EG/EG-G/EVEA  
 EK/EO/ES/EA(Y1)  
 SERVO/CM DRIVE  
 SCHEMATIC DIAGRAM  
 NO.23-7 831103C

SERVO PCB V1015B5040

TO AUDIO PCB(P203) P100  
 TRK 11  
 SRV 10  
 GND 9  
 AL 12V 8  
 UNR 22V 7  
 GND 6  
 S REC12V 5  
 4  
 3  
 CTL 2  
 GND 1

J103  
 UNR 22V 12  
 AL 12V 3  
 DO 1  
 DI 2  
 CM CONT 3  
 CM FG 4  
 CM FG 5  
 J104





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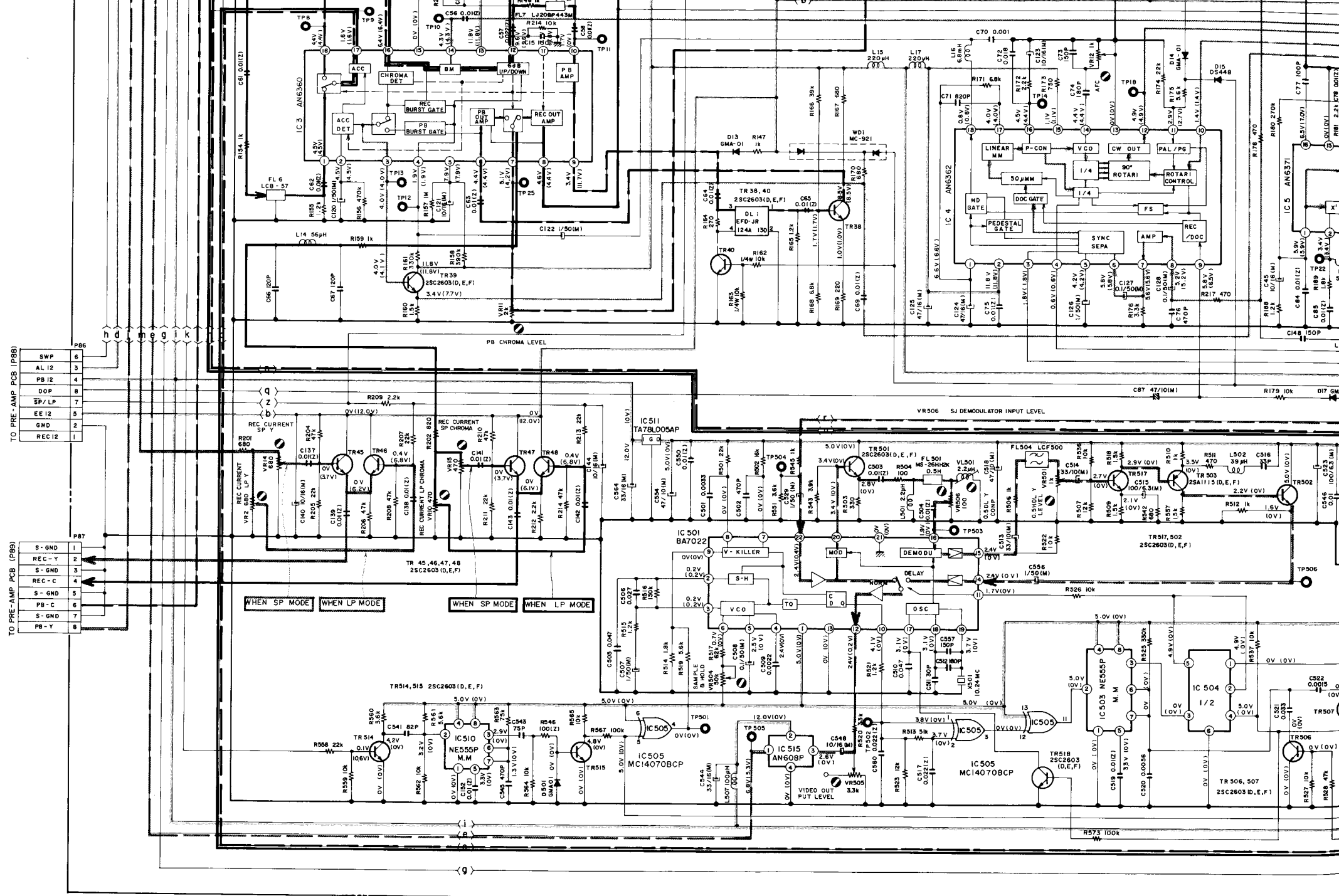
031-856-637

098-788-319

rtv-servis-horvat@os.tel.hr

Croatia



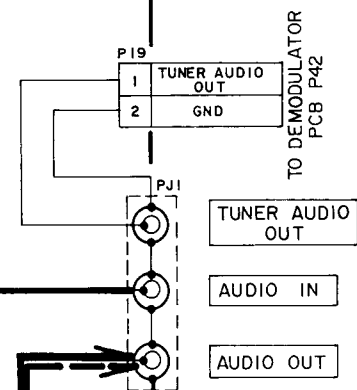
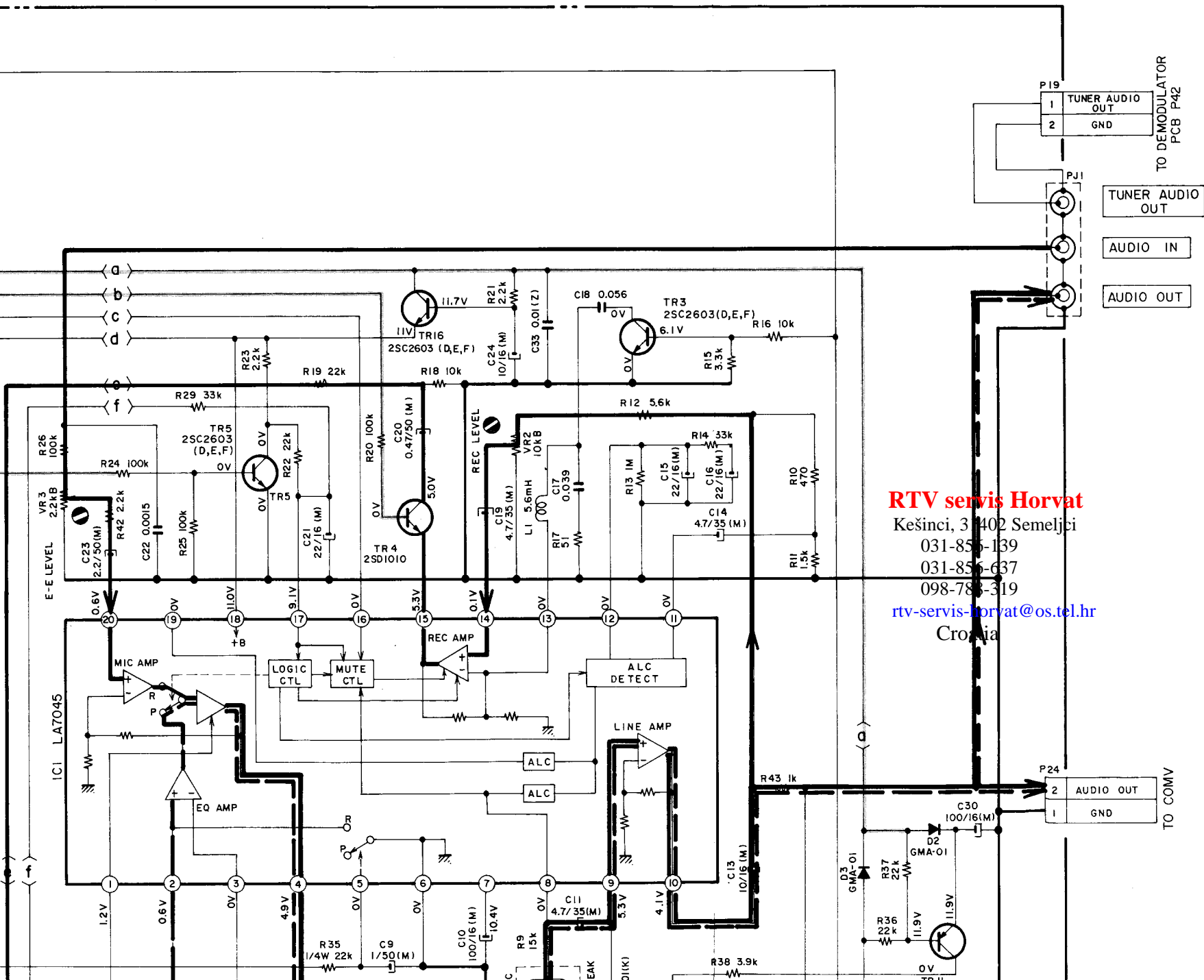


- \*REC Y-SIGNAL LINE
- \*PB Y-SIGNAL LINE
- \*REC CHROMA SIGNAL LINE
- \*PB CHROMA SIGNAL LINE
- \*AFC
- \*APC
- \*B LINE





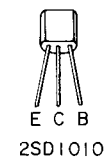




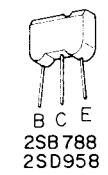
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 031-856-637  
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[rtv-servis-horvat@os.tel.hr](mailto:rtv-servis-horvat@os.tel.hr)  
 Croatia



2SA1115  
2SC2603

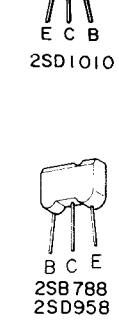
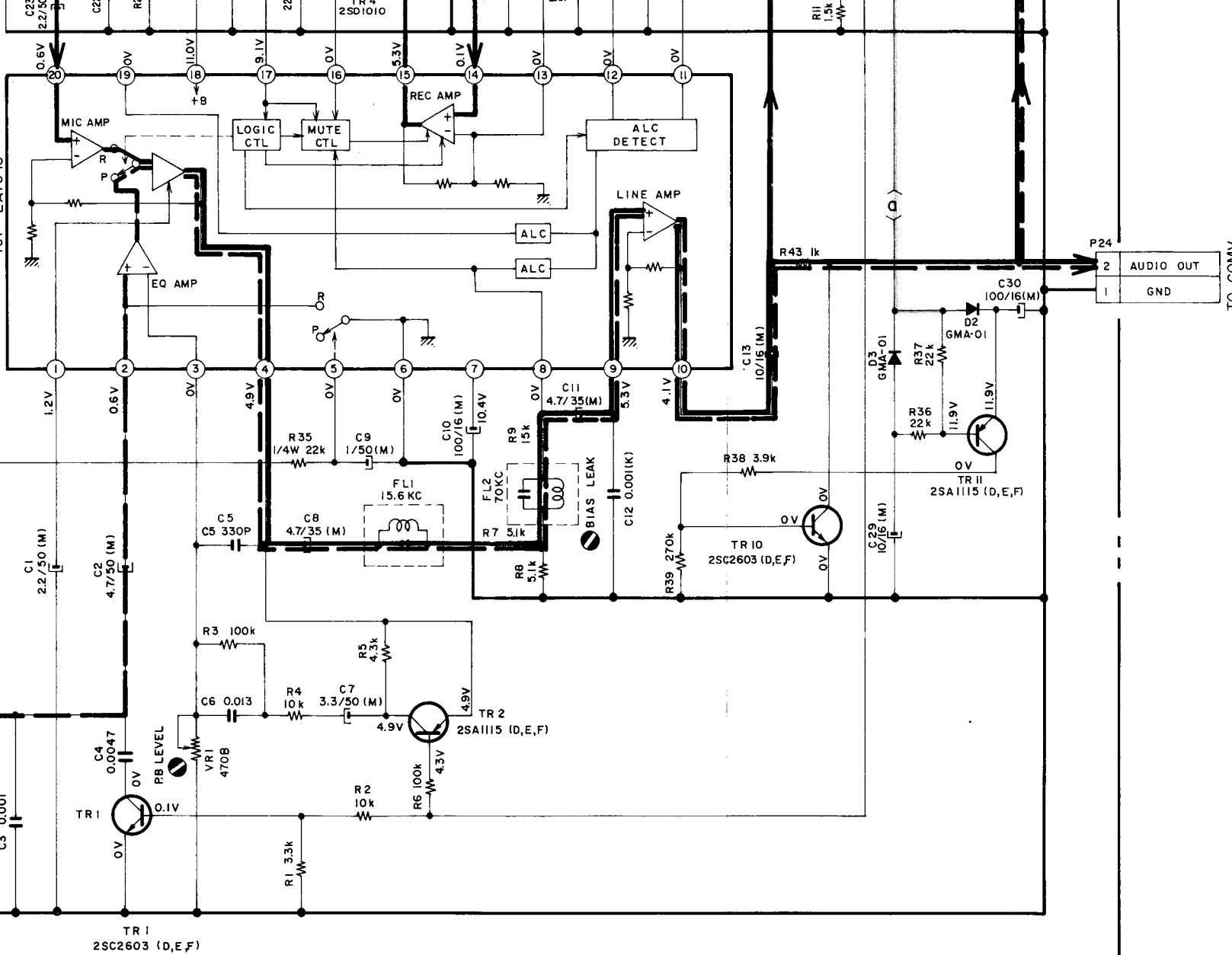


2SD1010



2SB788  
2SD958





————— = REC MODE SIGNAL LINE  
 - - - - - = PB MODE SIGNAL LINE  
 +-----+ = +B (POWER SUPPLY) LINE

NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/6W(J)  
 ALL CAPACITORS IN μF 50 WV(J)

EG/EG-G/EV/EA  
 VS-6 EK/E0/ES/EA(YI)  
 AUDIO  
 SCHEMATIC DIAGRAM  
 NO. 23-10 840206/

VC-6

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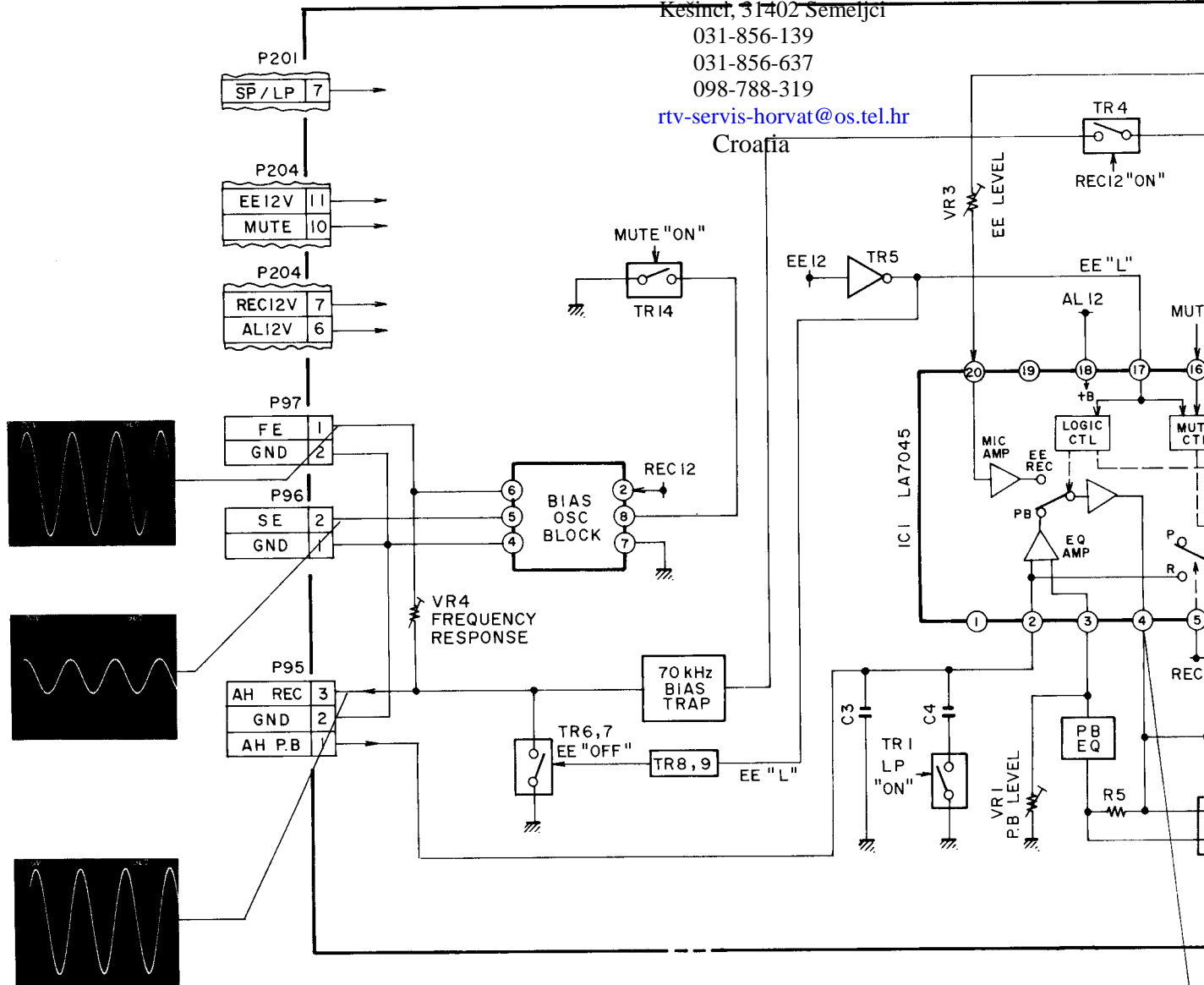
031-856-139

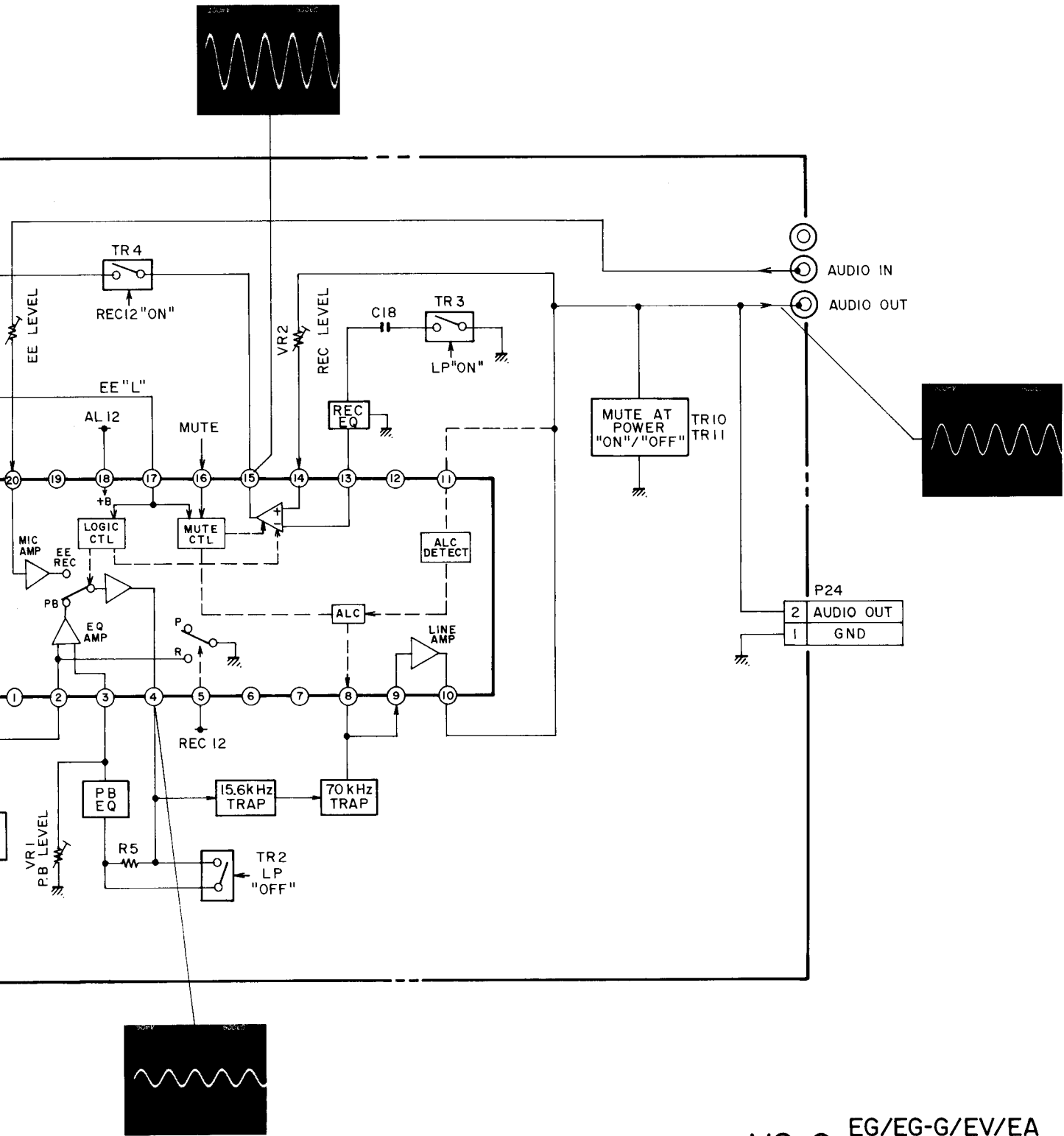
031-856-637

098-788-319

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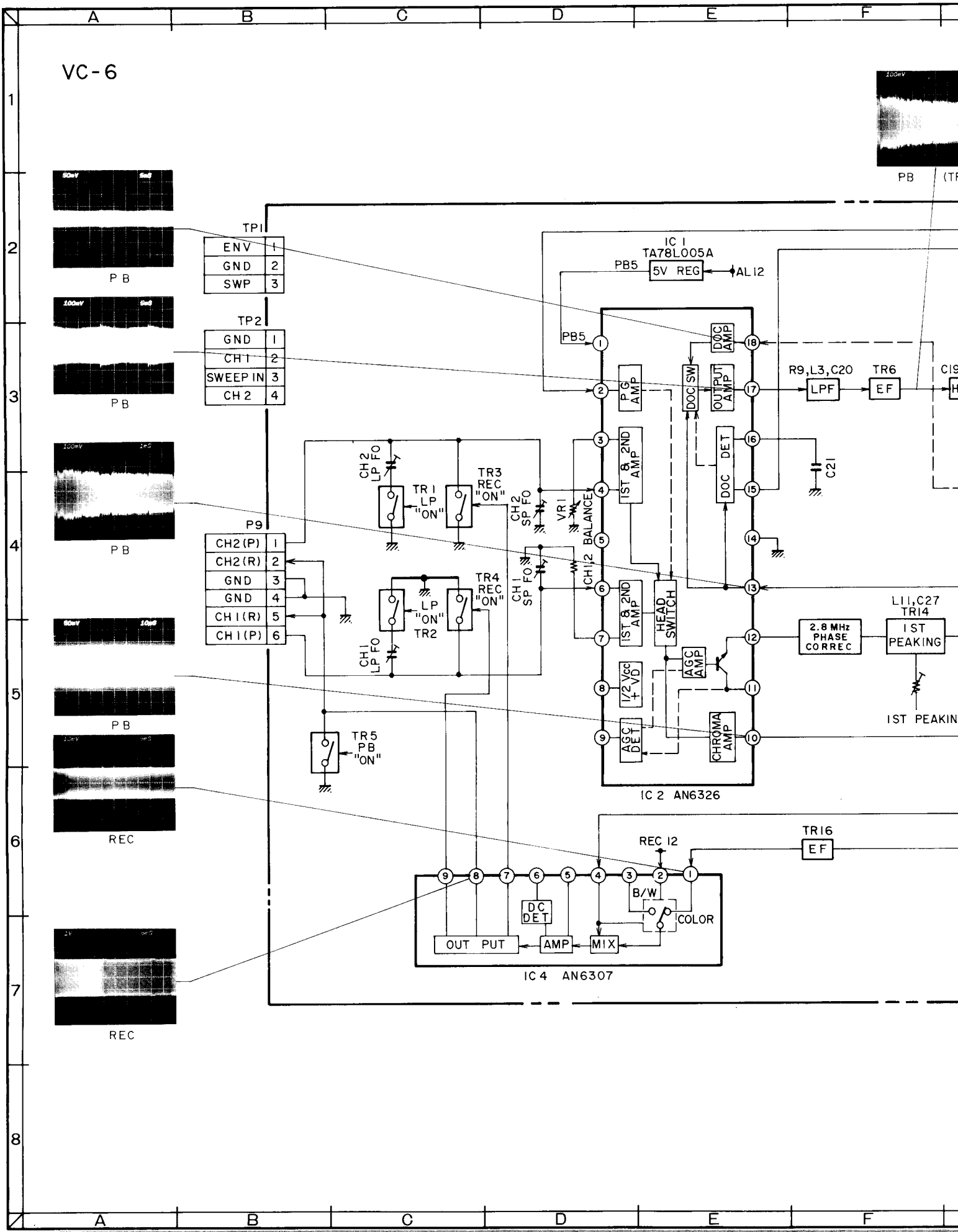
Croatia





EG/EG-G/EV/EA  
 VS-6 EK/EO/ES/EA(Y1)  
 AUDIO  
 BLOCK DIAGRAM  
 NO.23-11 840207 A  
 2c

# VC-6



TP1

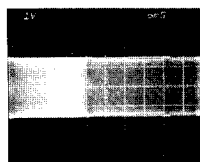
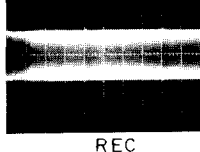
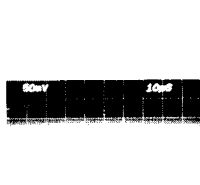
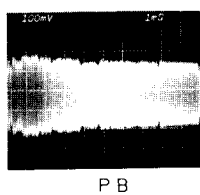
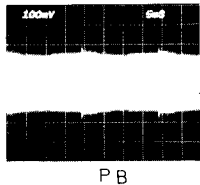
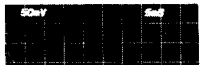
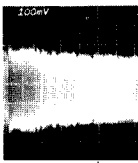
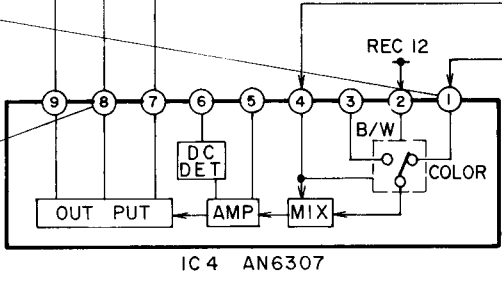
ENV	1
SWP	2
GND	3

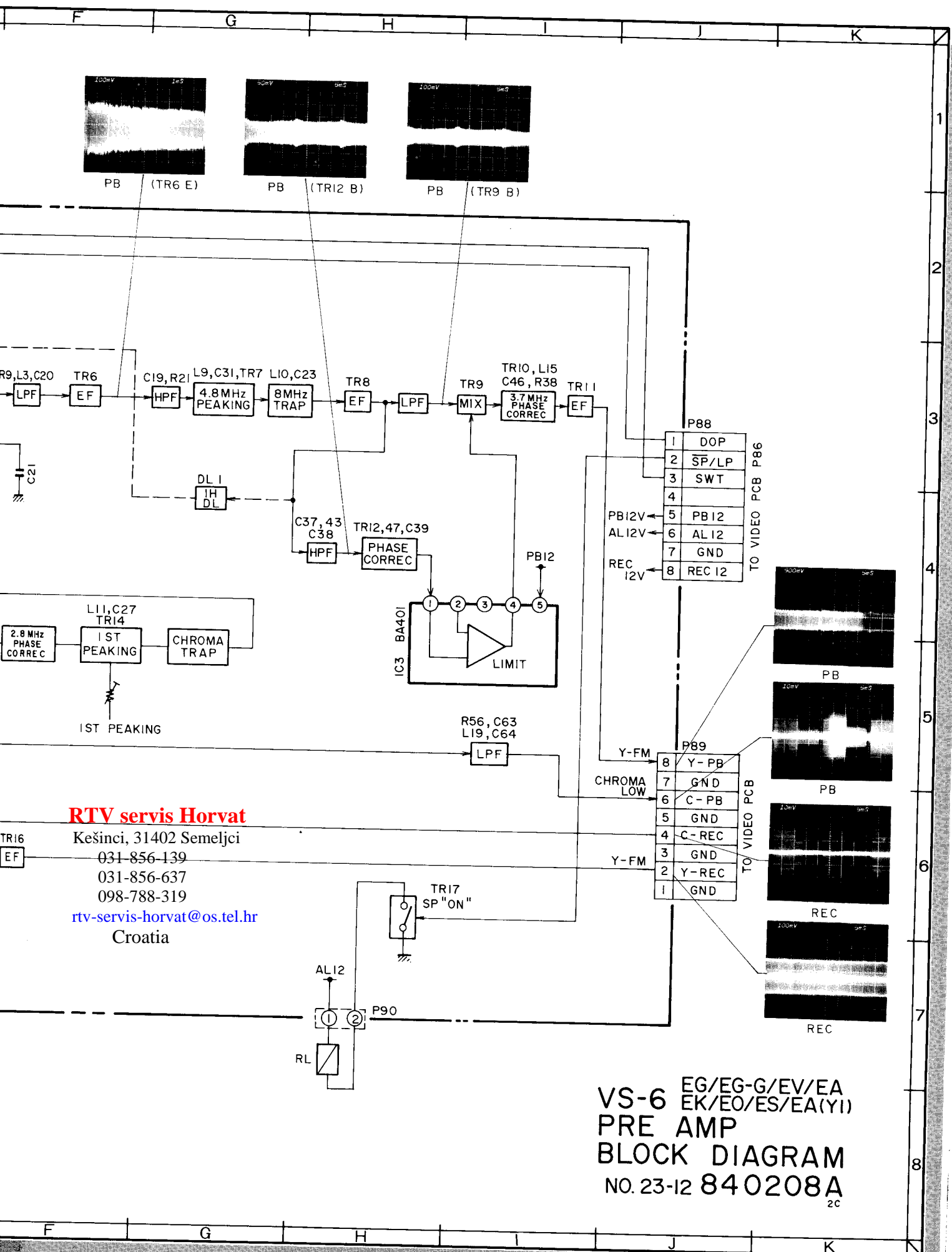
TP2

GND	1
CH1	2
SWEEP IN	3
CH2	4

P9

CH2(P)	1
CH2(R)	2
GND	3
GND	4
CH1(R)	5
CH1(P)	6



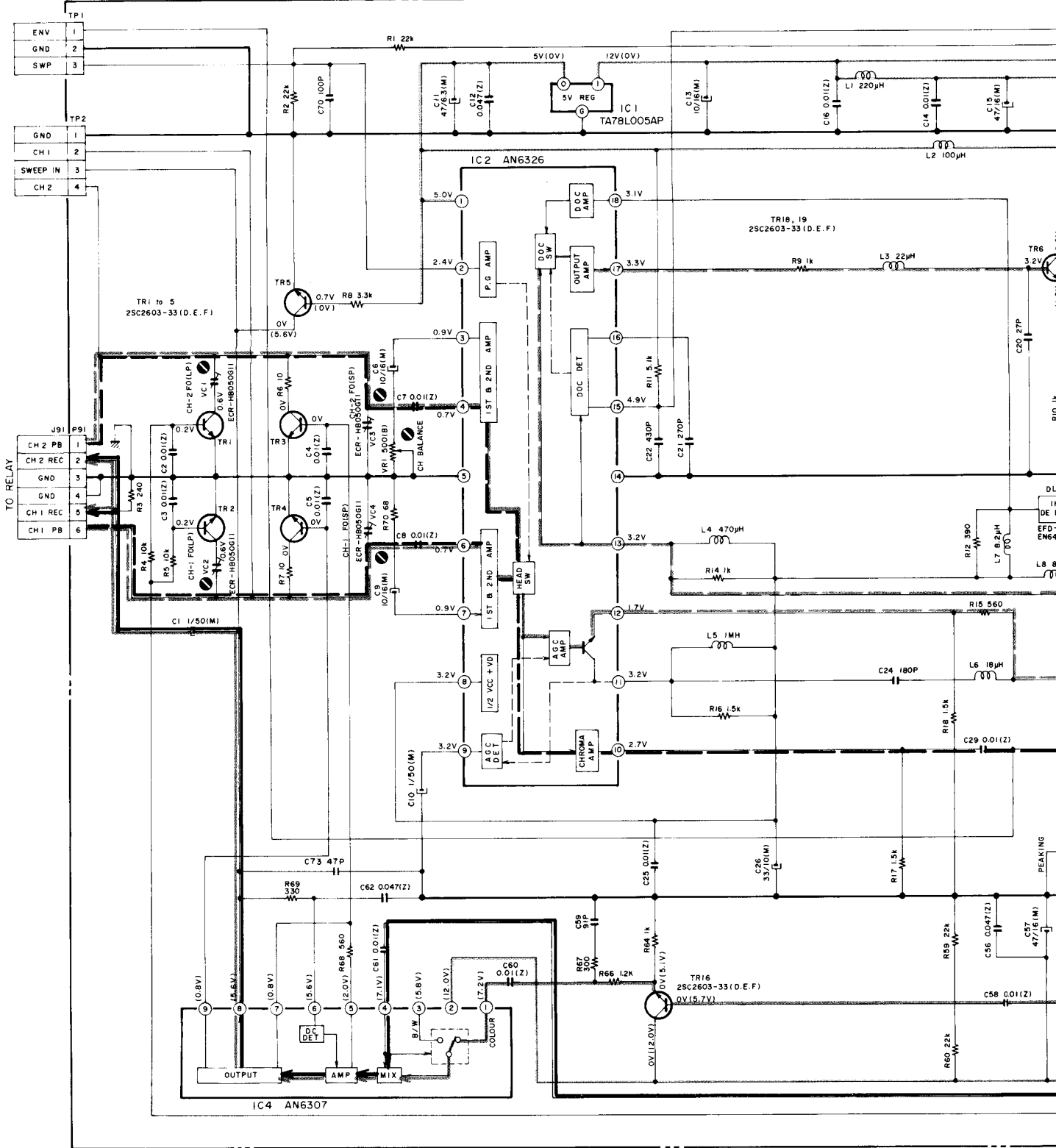


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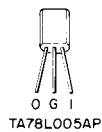
VS-6 EG/EG-G/EV/EA  
 EK/EO/ES/EA(Y1)  
 PRE AMP  
 BLOCK DIAGRAM  
 NO.23-12 840208A  
 2C

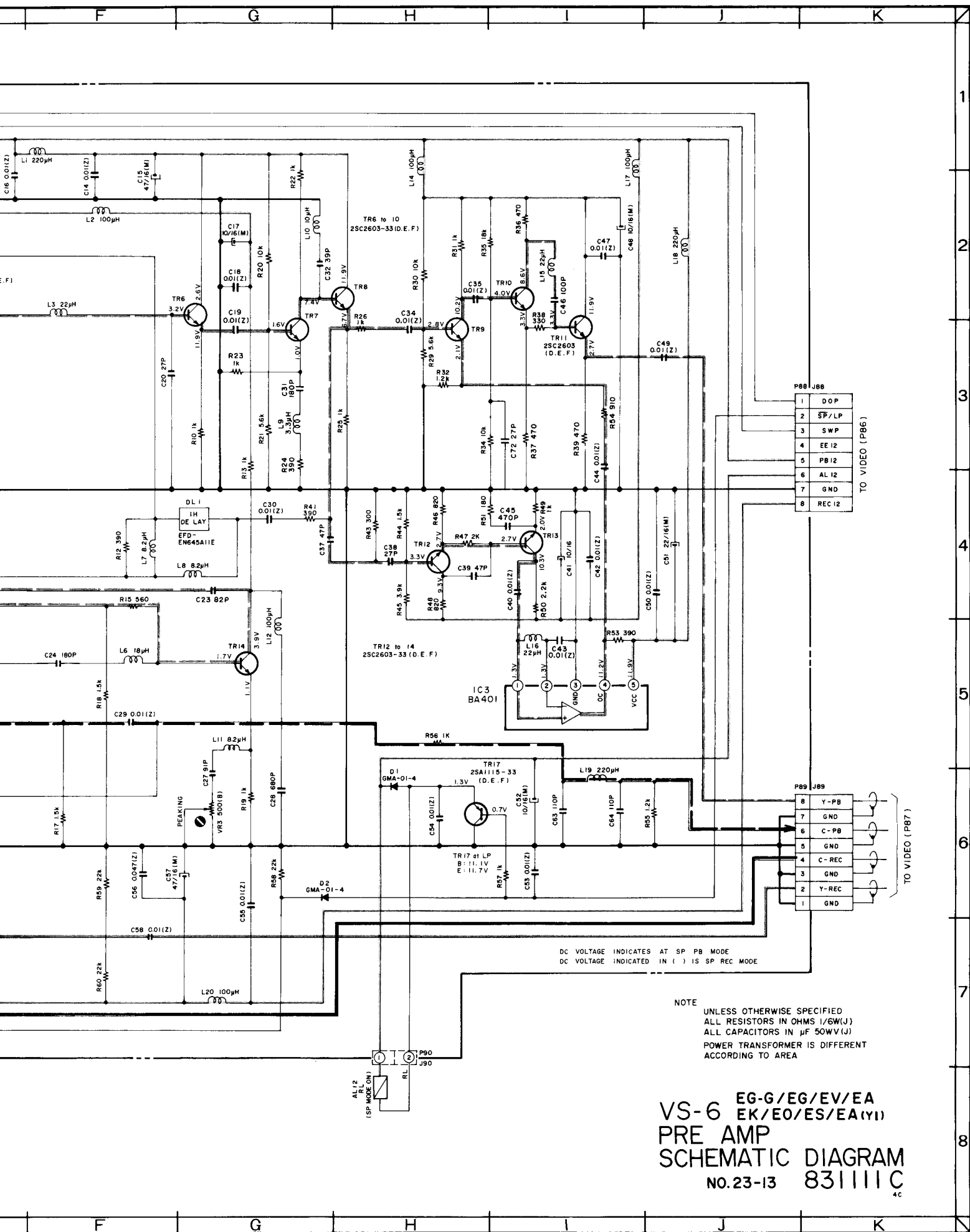




PRE AMP PCB V1015A5070

- +B LINE
- REC Y SIGNAL LINE
- PB Y SIGNAL LINE
- REC CHROMA SIGNAL LINE
- PB CHROMA SIGNAL LINE





DC VOLTAGE INDICATES AT SP PB MODE  
 DC VOLTAGE INDICATED IN ( ) IS SP REC MODE

NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/6W(J)  
 ALL CAPACITORS IN  $\mu$ F 50WV(J)  
 POWER TRANSFORMER IS DIFFERENT  
 ACCORDING TO AREA

VS-6 EG-G/EG/EV/EA  
 EK/E0/ES/EA(YI)  
 PRE AMP  
 SCHEMATIC DIAGRAM  
 NO.23-13 831111C  
 4C

P88 J88

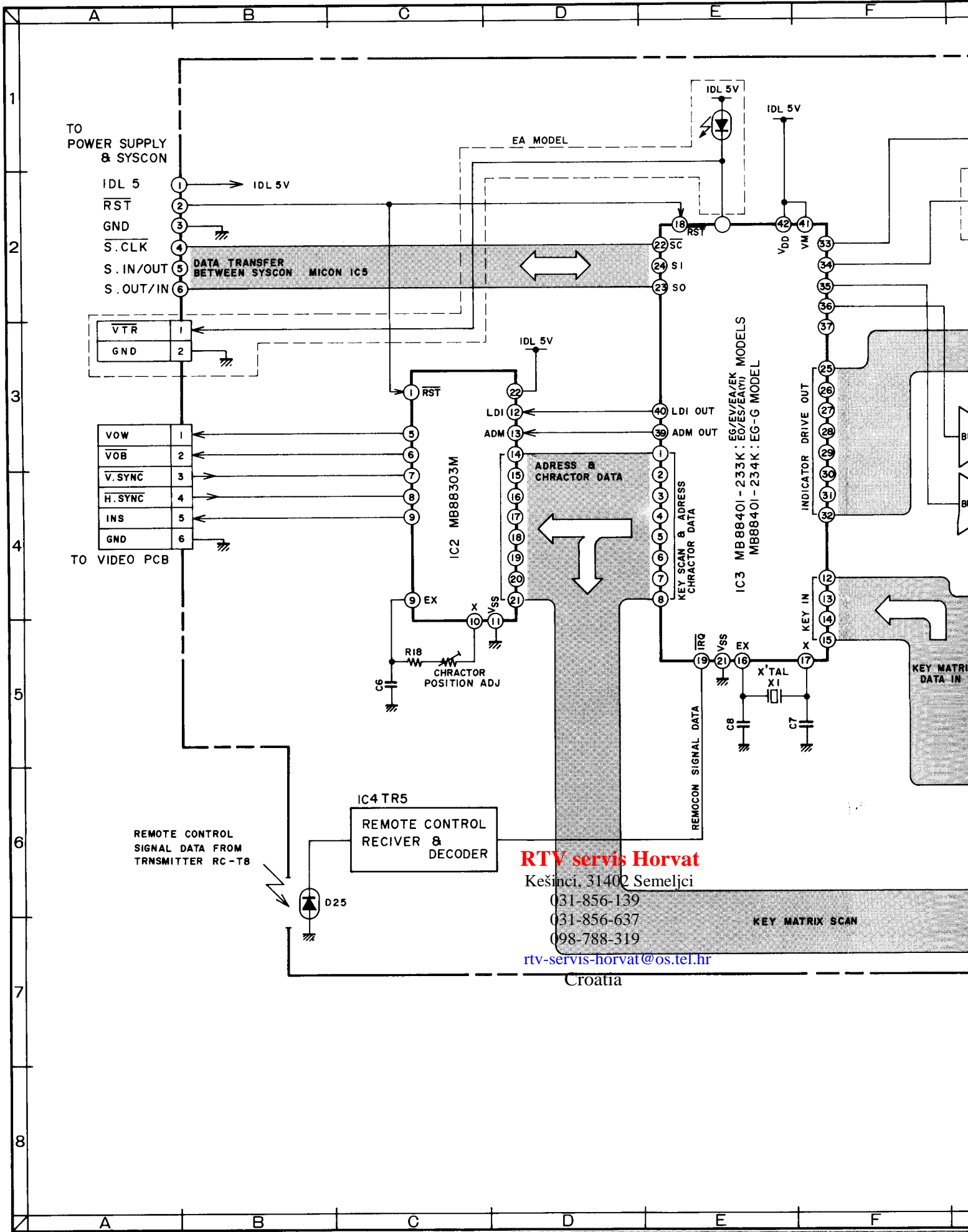
1	DOP
2	SP/LP
3	SWP
4	EE I2
5	PB I2
6	AL I2
7	GND
8	REC I2

TO VIDEO (P86)

P89 J89

8	Y-PB
7	GND
6	C-PB
5	GND
4	C-REC
3	GND
2	Y-REC
1	GND

TO VIDEO (P87)



TO  
POWER SUPPLY  
& SYSCON

- IDL 5 (1) → IDL 5V
- RST (2)
- GND (3)
- S. CLK (4)
- S. IN/OUT (5) DATA TRANSFER BETWEEN SYSCON MICON IC5
- S. OUT/IN (6)

VTR	1
GND	2

VOW	1
VOB	2
V. SYNC	3
H. SYNC	4
INS	5
GND	6

TO VIDEO PCB

REMOTE CONTROL  
SIGNAL DATA FROM  
TRANSMITTER RC-T8

IC4 TR5  
REMOTE CONTROL  
RECIVER &  
DECODER

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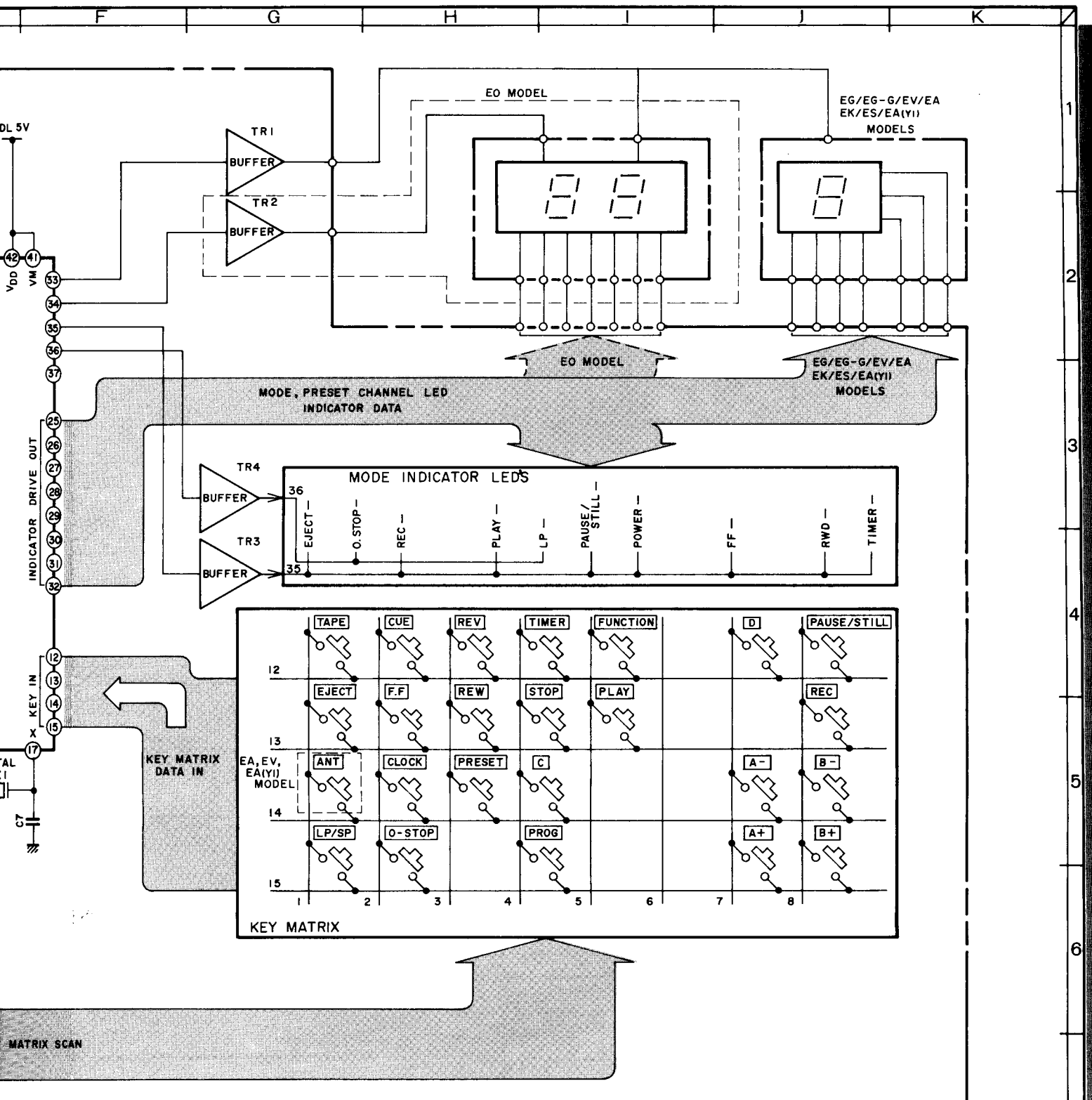
098-788-319

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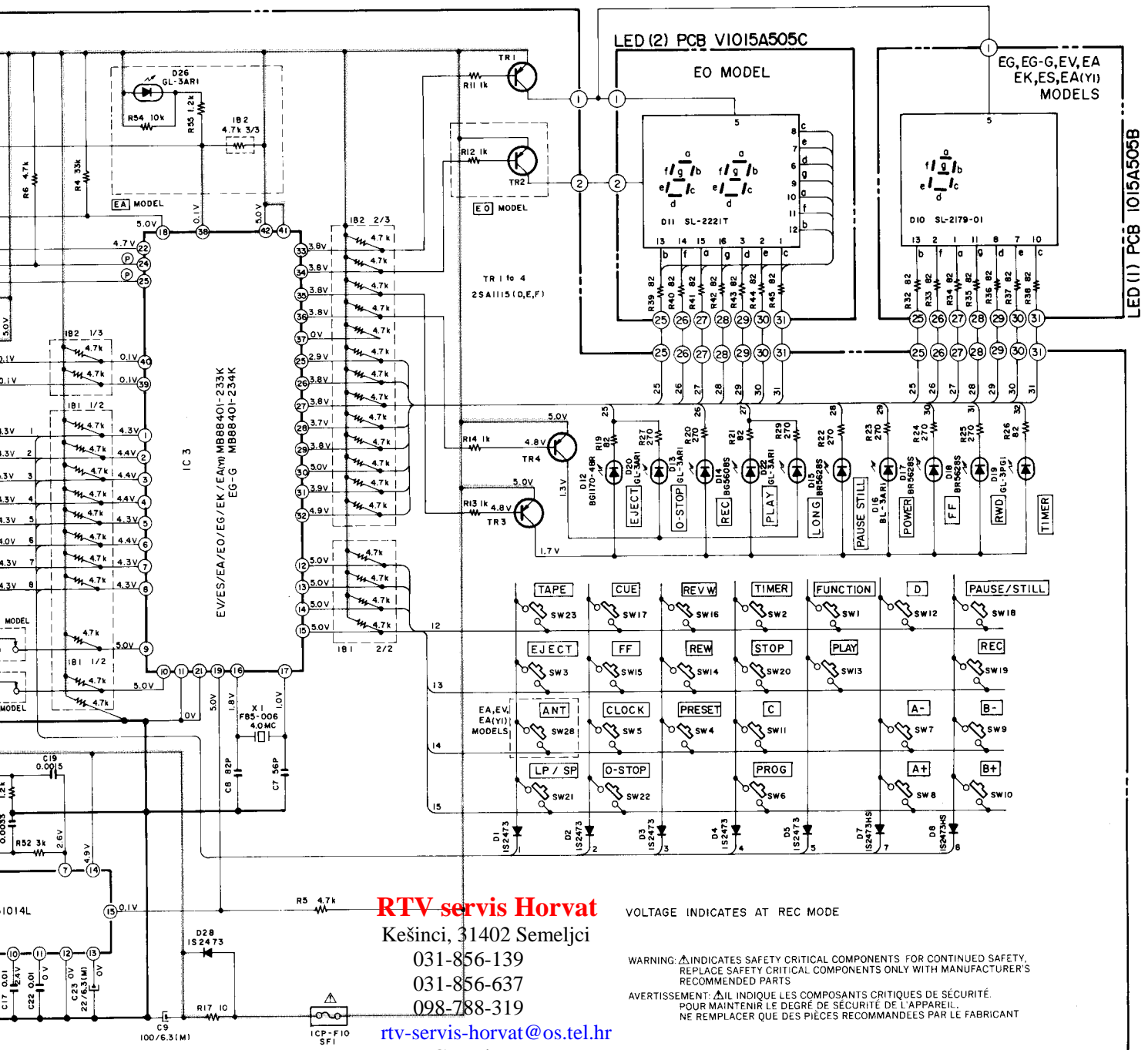
IC3 MB8840I - 233K : EG/EV/EA/EK MODELS  
MB8840I - 234K : EG-G MODEL

KEY MATRIX SCAN



VS-6 EG/EG-G/EV/EA  
 EK/EO/ES/EA(YI)  
 OPERATION  
 BLOCK DIAGRAM  
 NO.23-14 831112C





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031-856-637

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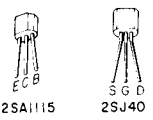
[rtv-servis-horvat@os.tel.hr](mailto:rtv-servis-horvat@os.tel.hr)

Croatia

VOLTAGE INDICATES AT REC MODE

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.



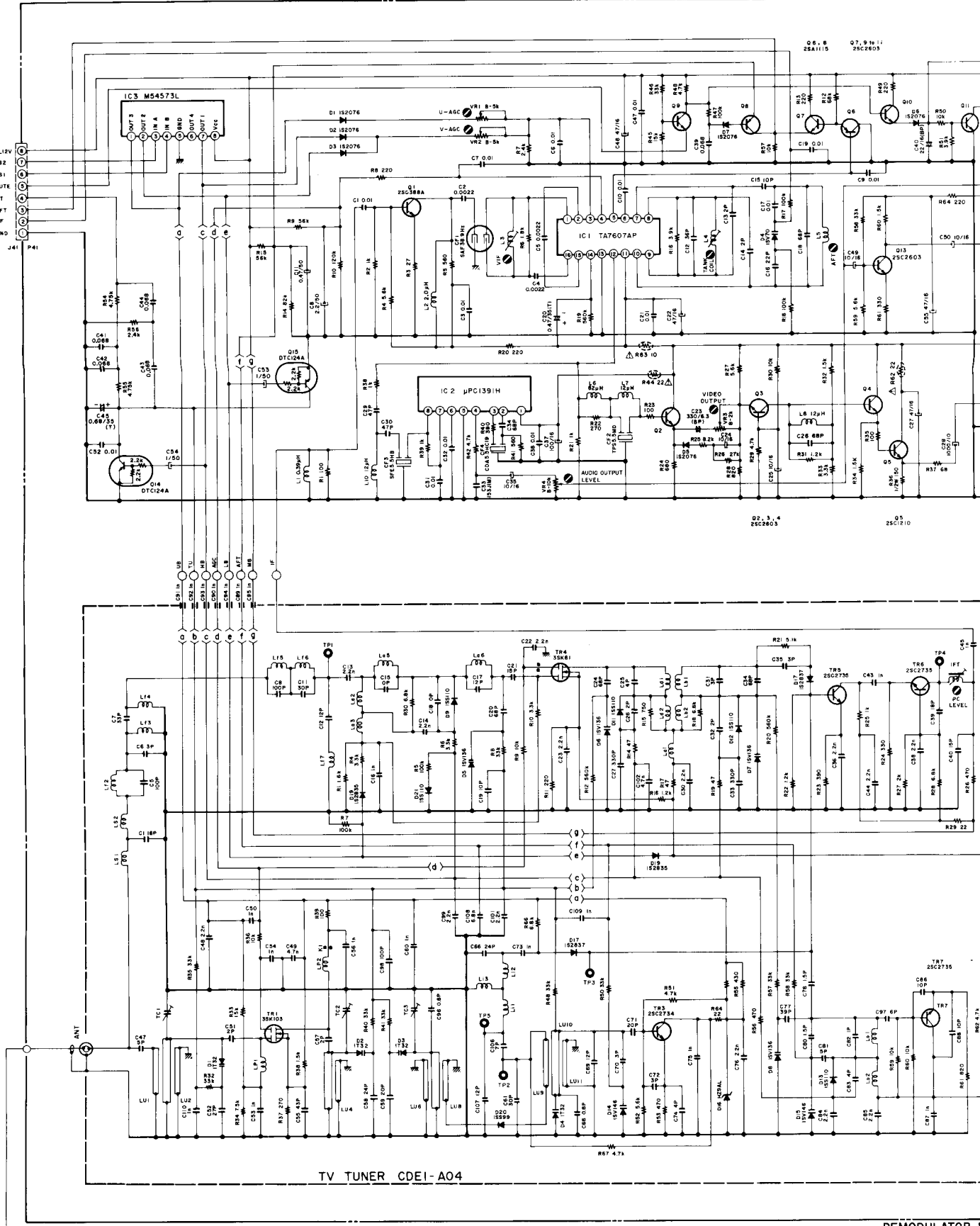
⊕ = +B (POWER SUPPLY) LINE

NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS 1/4W(J)  
ALL CAPACITORS IN µF 50 WV(J)

EG,  
VS-6 EK,  
OPERATI  
SCHEMA  
NO.23

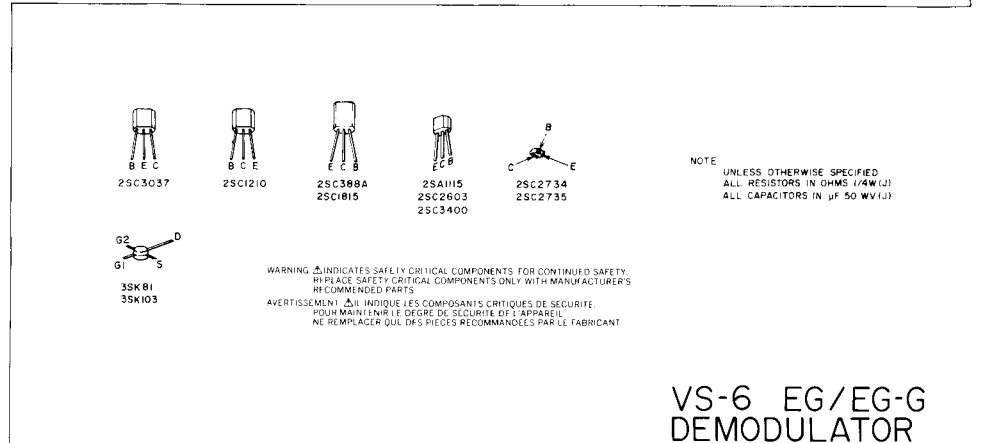
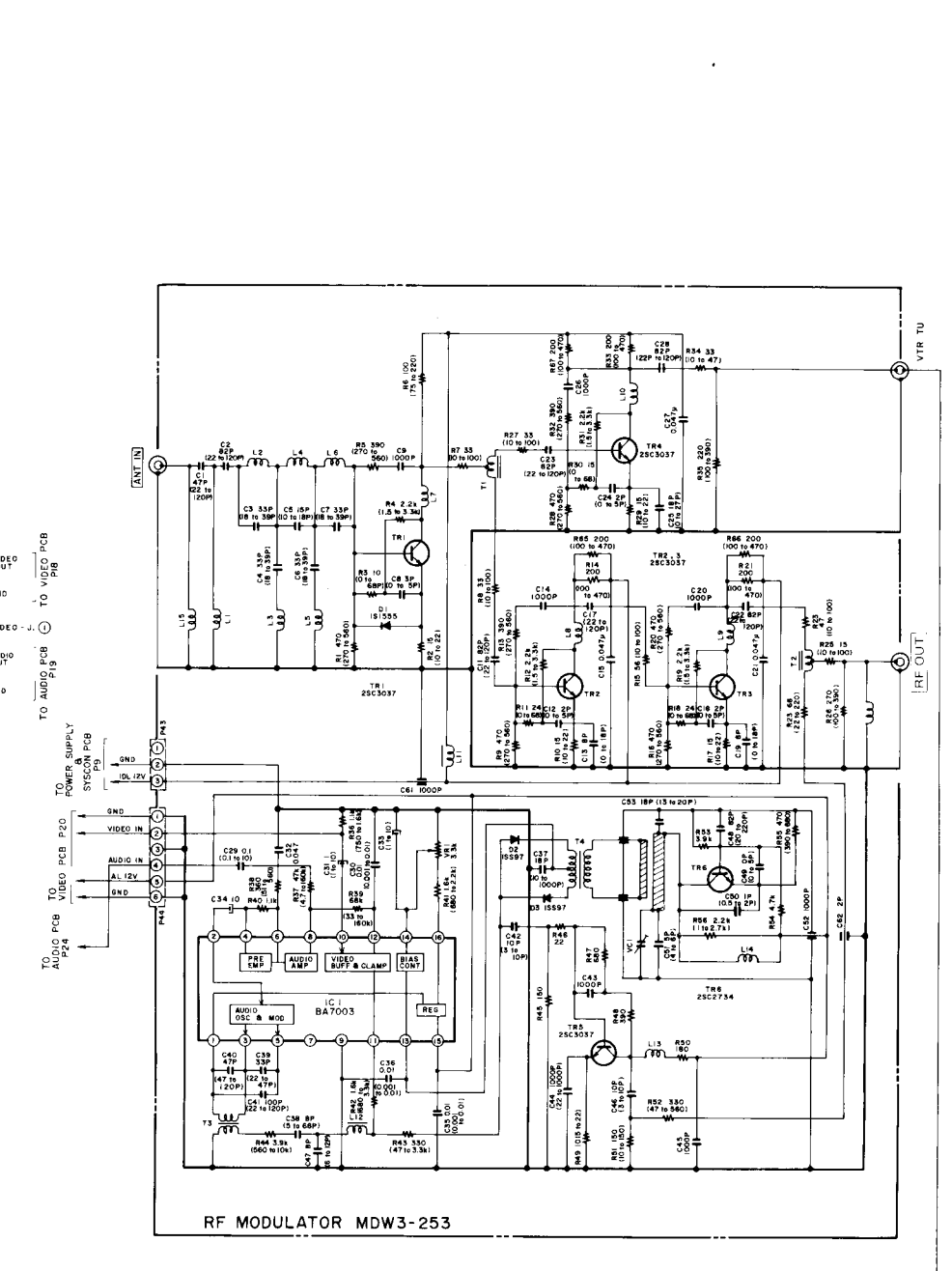
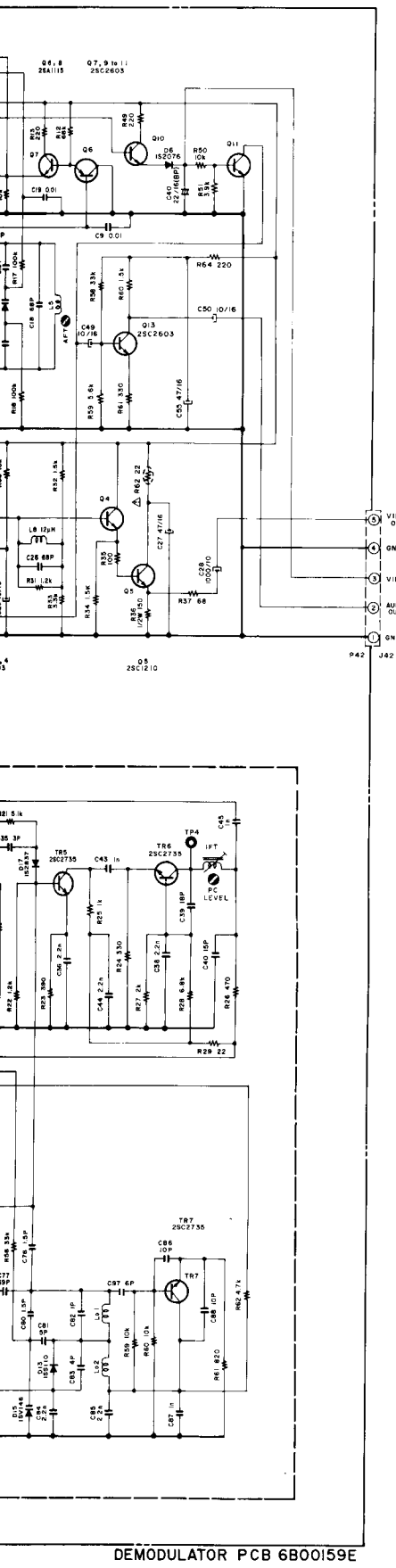
VS-6

TO POWER SUPPLY & TUNER PCB  
AL12V  
RS2  
RS1  
VT  
MUTE  
VF  
VF  
GND



TV TUNER CDE1-A04

DEMODULATOR P



- 25C3037
- 25C1210
- 25C388A
- 25C1815
- 25A1115
- 25C2603
- 25C3400
- 25C2734
- 25C2735

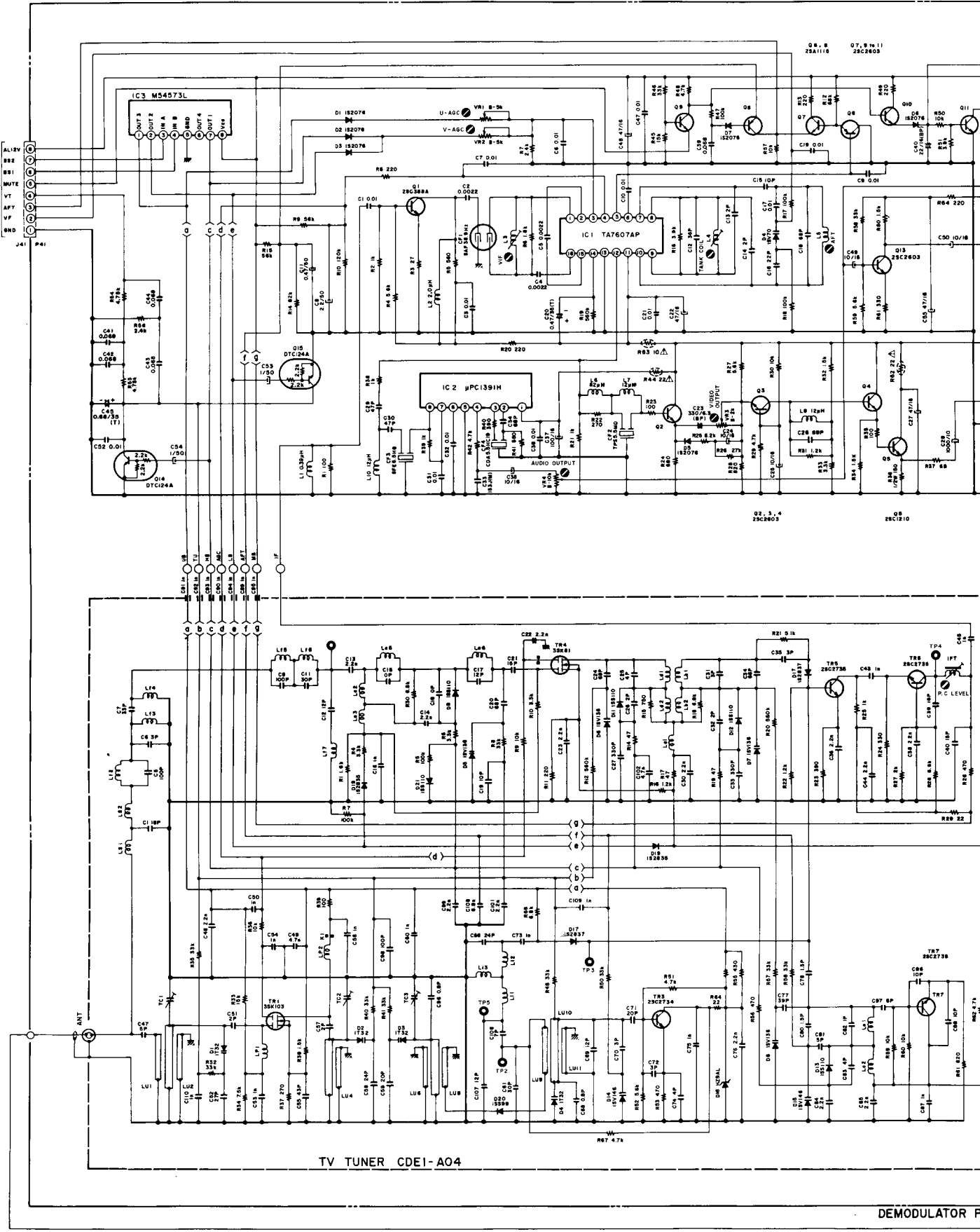
NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS (1/4W/1%)  
ALL CAPACITORS IN pF 50 WV/1J

WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY.  
REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
RECOMMENDED PARTS.  
AVERTISSEMENT: ALLI INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE.  
POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL  
NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT

VS-6 EG/EG-G  
DEMODULATOR  
SCHEMATIC DIAGRAM  
NO. 23-16 830534E

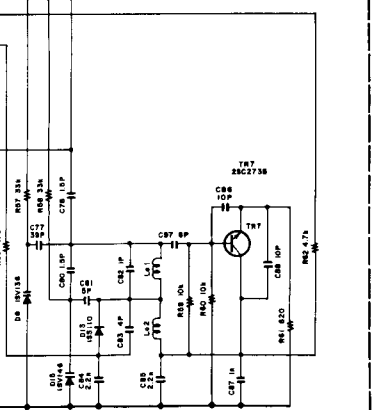
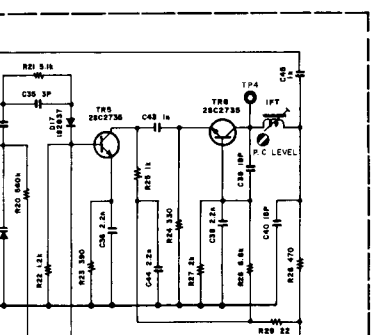
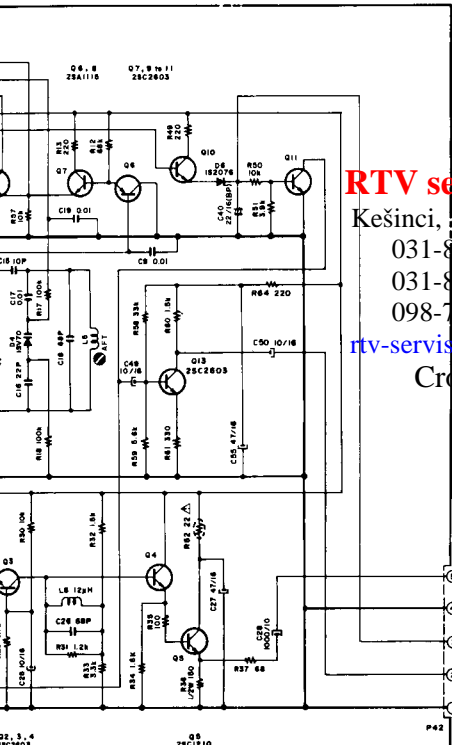


TO POWER SUPPLY & SYSTEM PCB  
AL14V  
B32  
B31  
VT  
VF  
VAF  
VFB  
BND



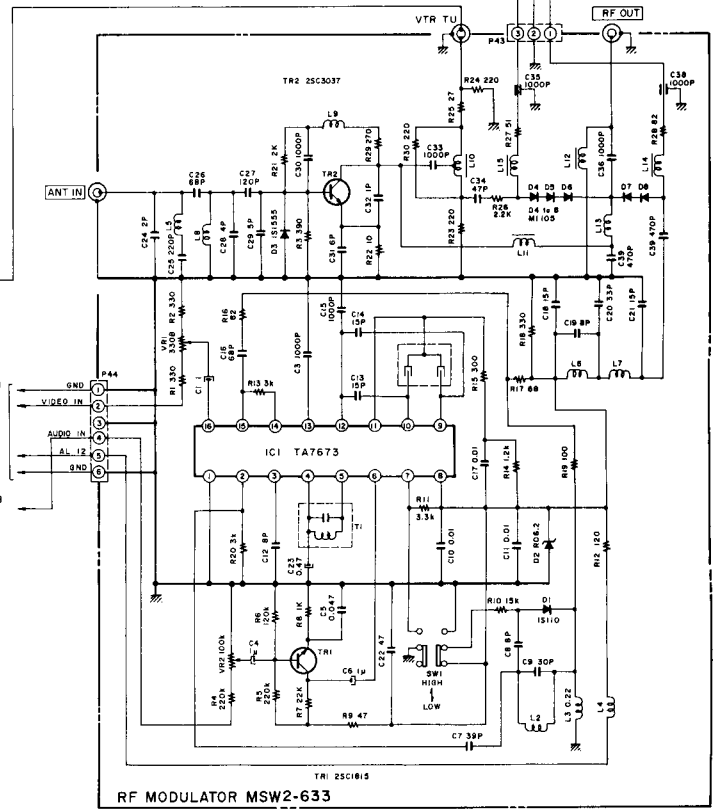
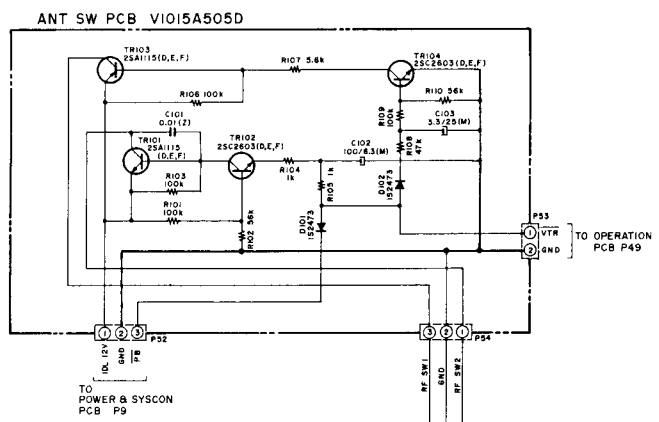
TV TUNER CDE1-A04

DEMODULATOR P



DEMOMULATOR PCB 6B00159E

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 031-856-637  
 098-788-319  
 rtv-servis-horvat@os.tel.hr  
 Croatia



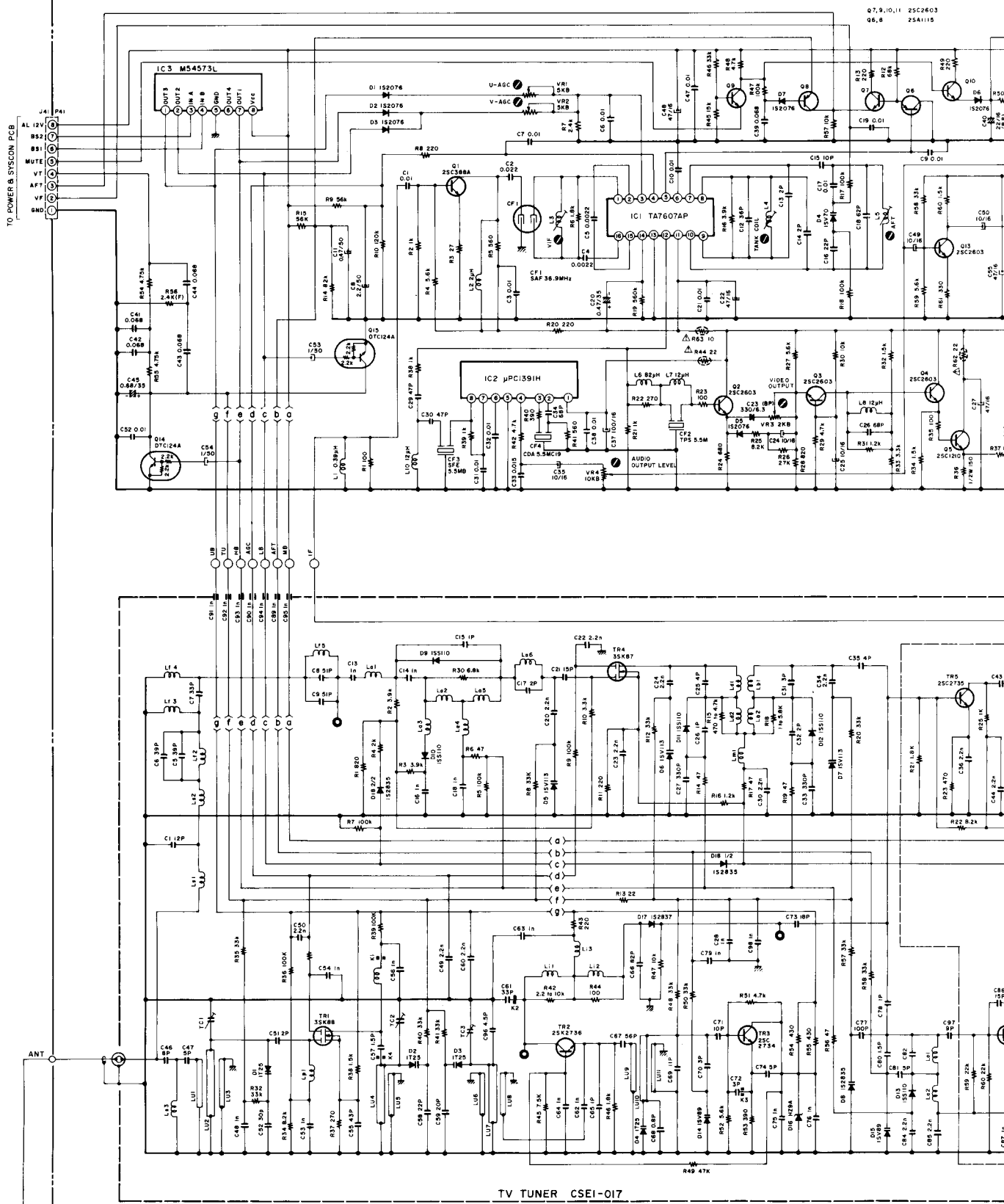
TO VIDEO PCB P20  
 TO AUDIO PCB P24

- 25C3037
- 25C1210
- 25C388A  
25C1815
- 25A1115  
25C2603  
25C3400
- 25C2734  
25C2735
- 35K81  
35K103

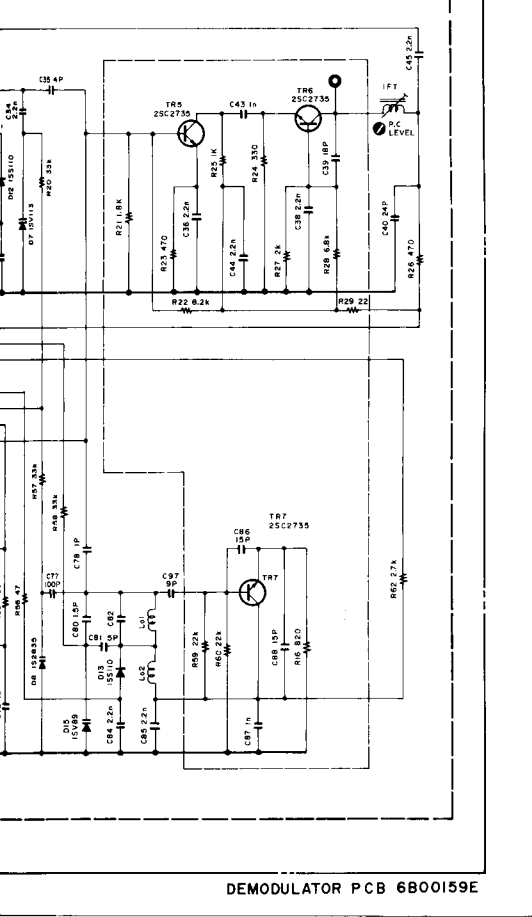
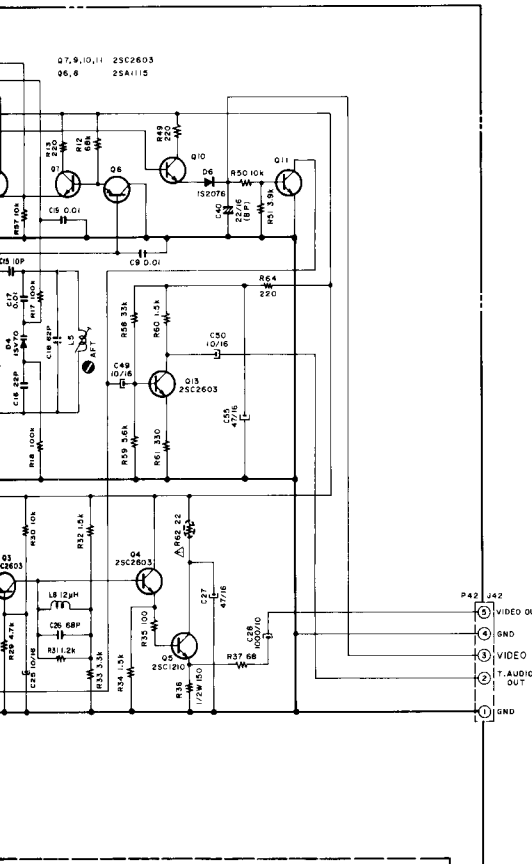
NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/4W(1/2)  
 ALL CAPACITORS IN µF 50 WV(1/2)

WARNING INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY.  
 REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
 RECOMMENDED PARTS.  
 AVERTISSEMENT IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE.  
 POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL.  
 NE REMPLACER QUE DES PIECES RECOMMENDEES PAR LE FABRICANT

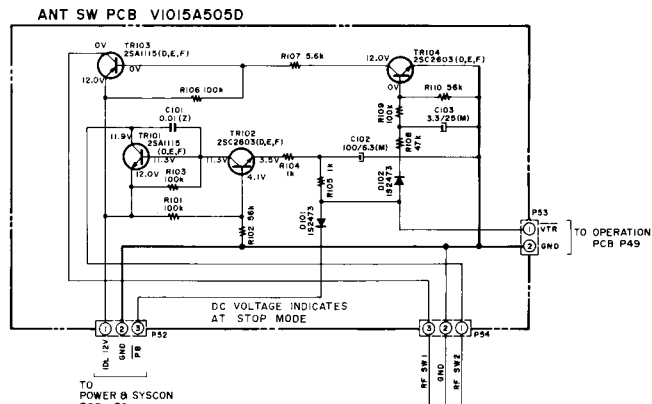
VS-6EV  
 DEMODULATOR  
 SCHEMATIC DIAGRAM  
 No.23-17 840210A



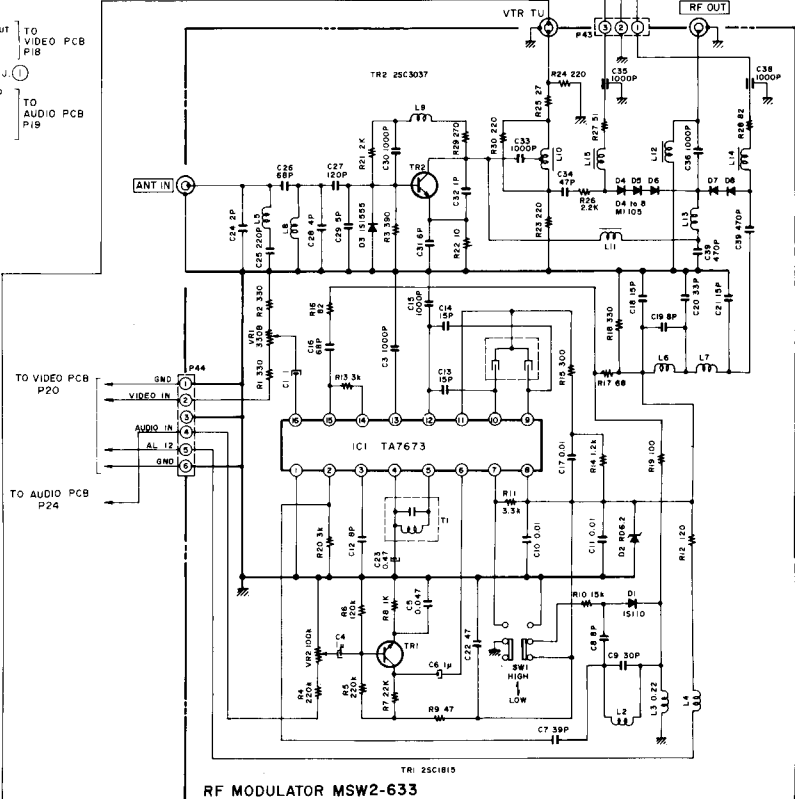
TV TUNER CSEI-017



DEMODULATOR PCB 6B00159E



ANT SW PCB V1015A505D



RF MODULATOR MSW2-633

- |         |         |                    |                               |                               |                |
|---------|---------|--------------------|-------------------------------|-------------------------------|----------------|
|         |         |                    |                               |                               |                |
| 2SC3037 | 2SC1210 | 2SC1815<br>2SC388A | 2SA1115<br>2SC2603<br>2SC3400 | 2SC2734<br>2SC2735<br>2SC2736 | 3SK87<br>3SK88 |

WARNING: INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.  
 AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL. NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT.

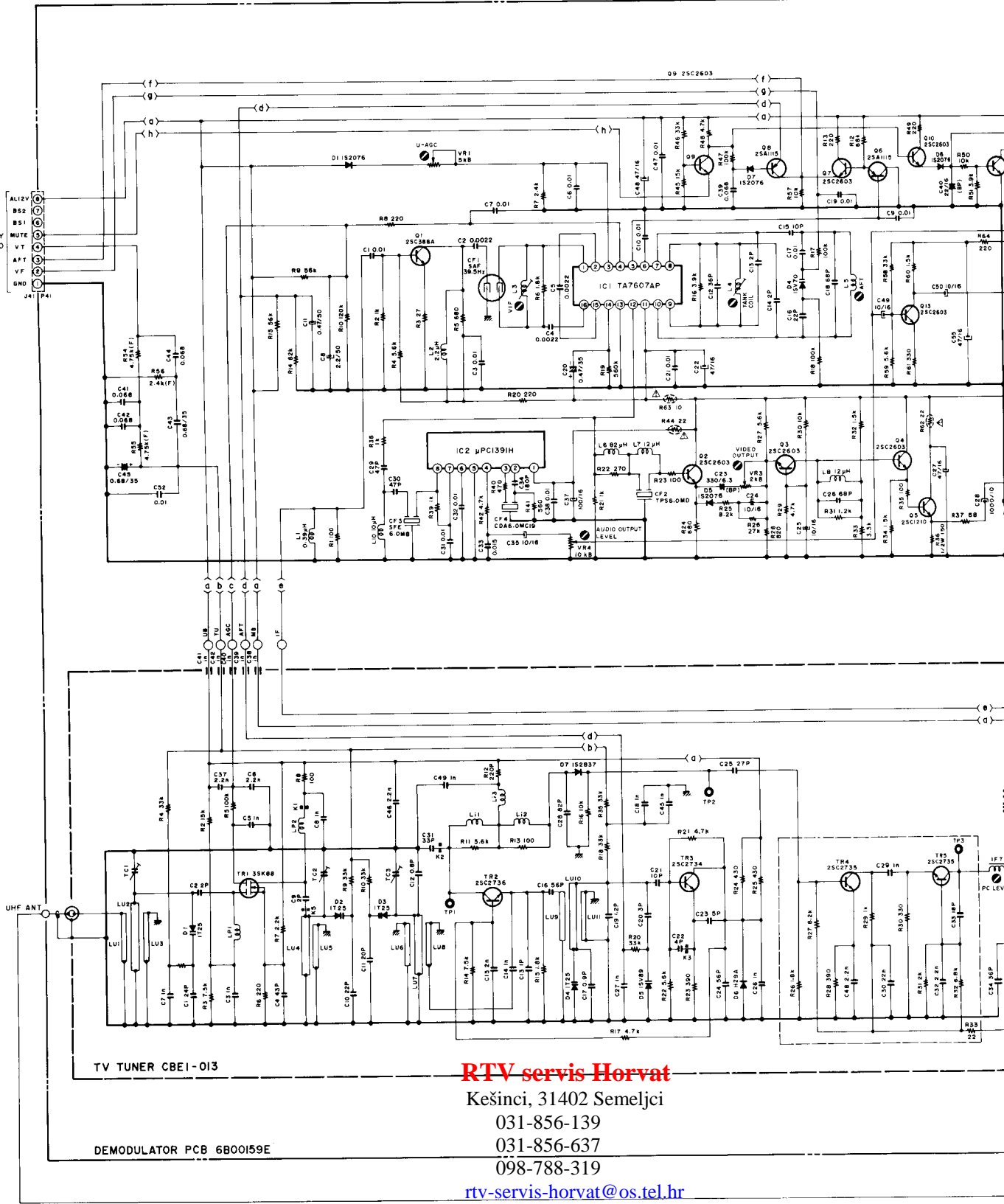
NOTE: UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS (1/4W/1/2) ALL CAPACITORS IN UF (50VW/1)

VS-6EA  
 DEMODULATOR  
 SCHEMATIC DIAGRAM  
 NO.23-18 830537D

1  
2  
3  
4  
5  
6  
7  
8

VS-6

TO POWER SUPPLY  
8 SYSCON PCB P10



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Kešinci, 31402 Semeljci

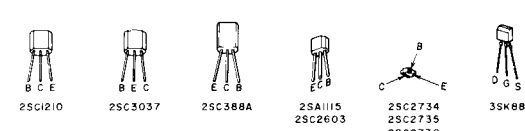
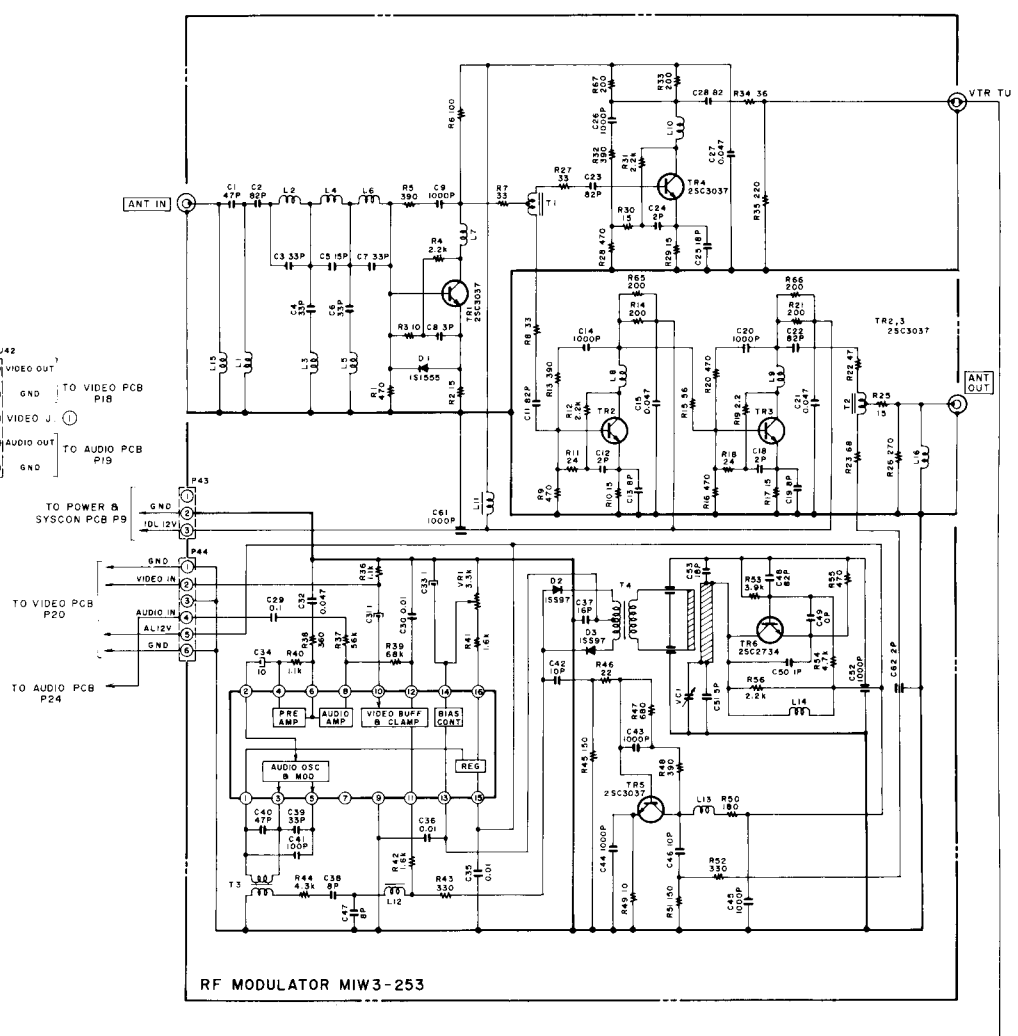
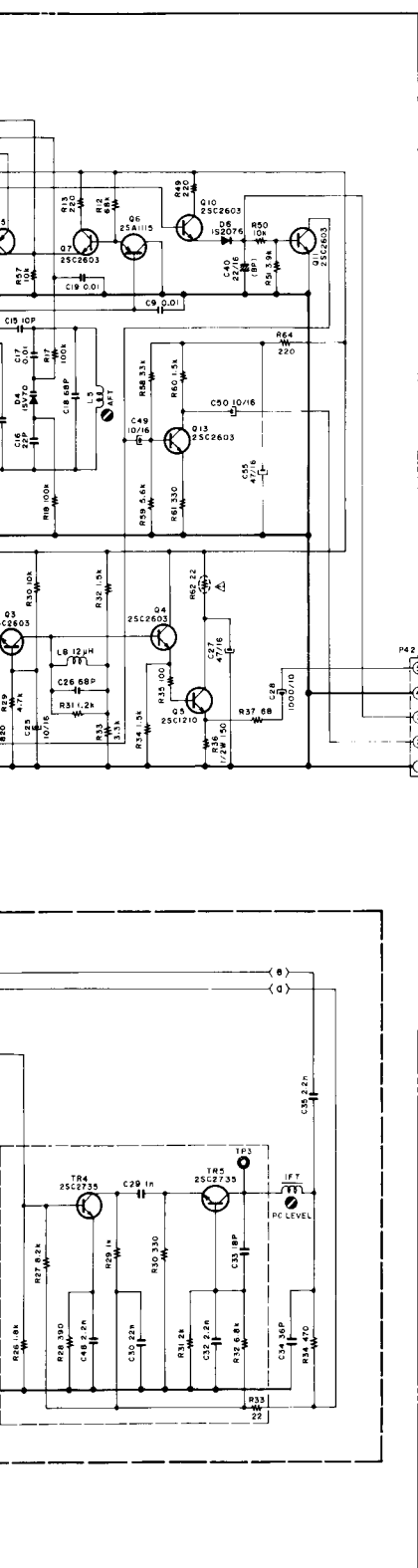
031-856-139

031-856-637

098-788-319

[rtv-servis-horvat@os.tel.hr](mailto:rtv-servis-horvat@os.tel.hr)

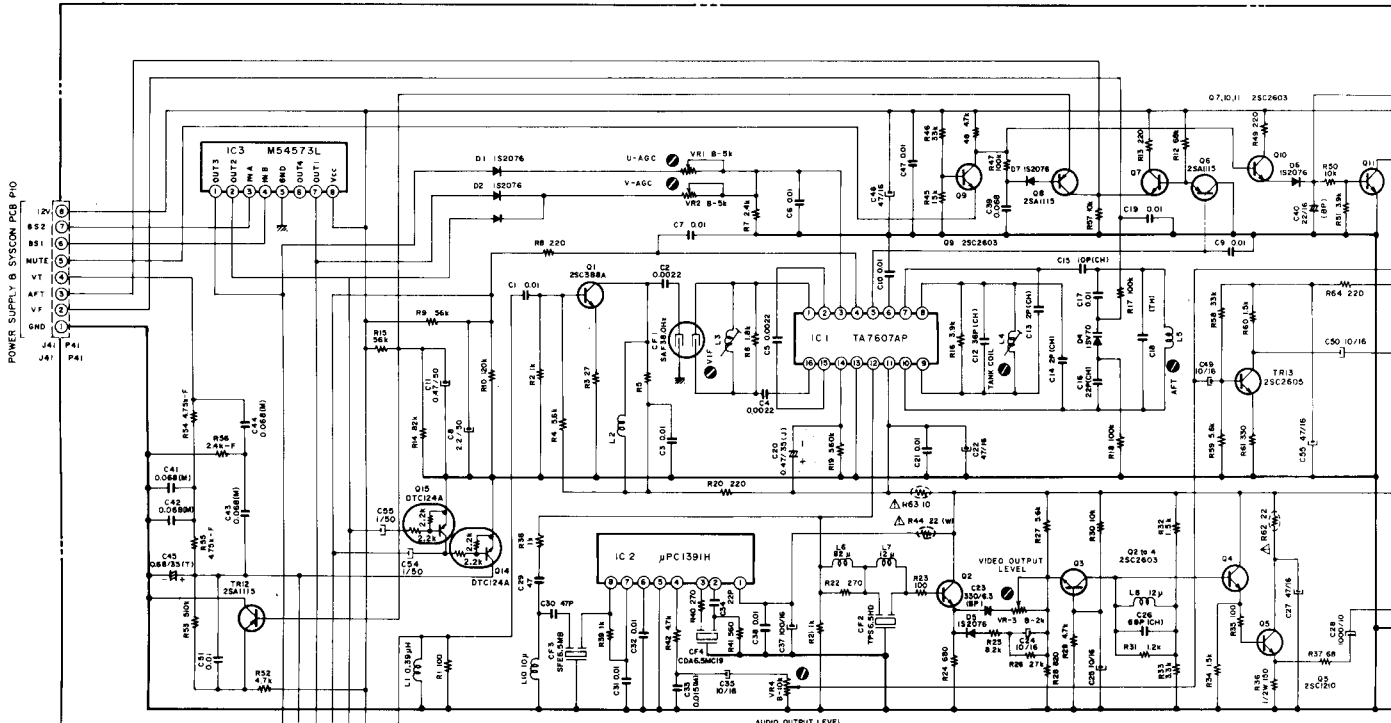
Croatia



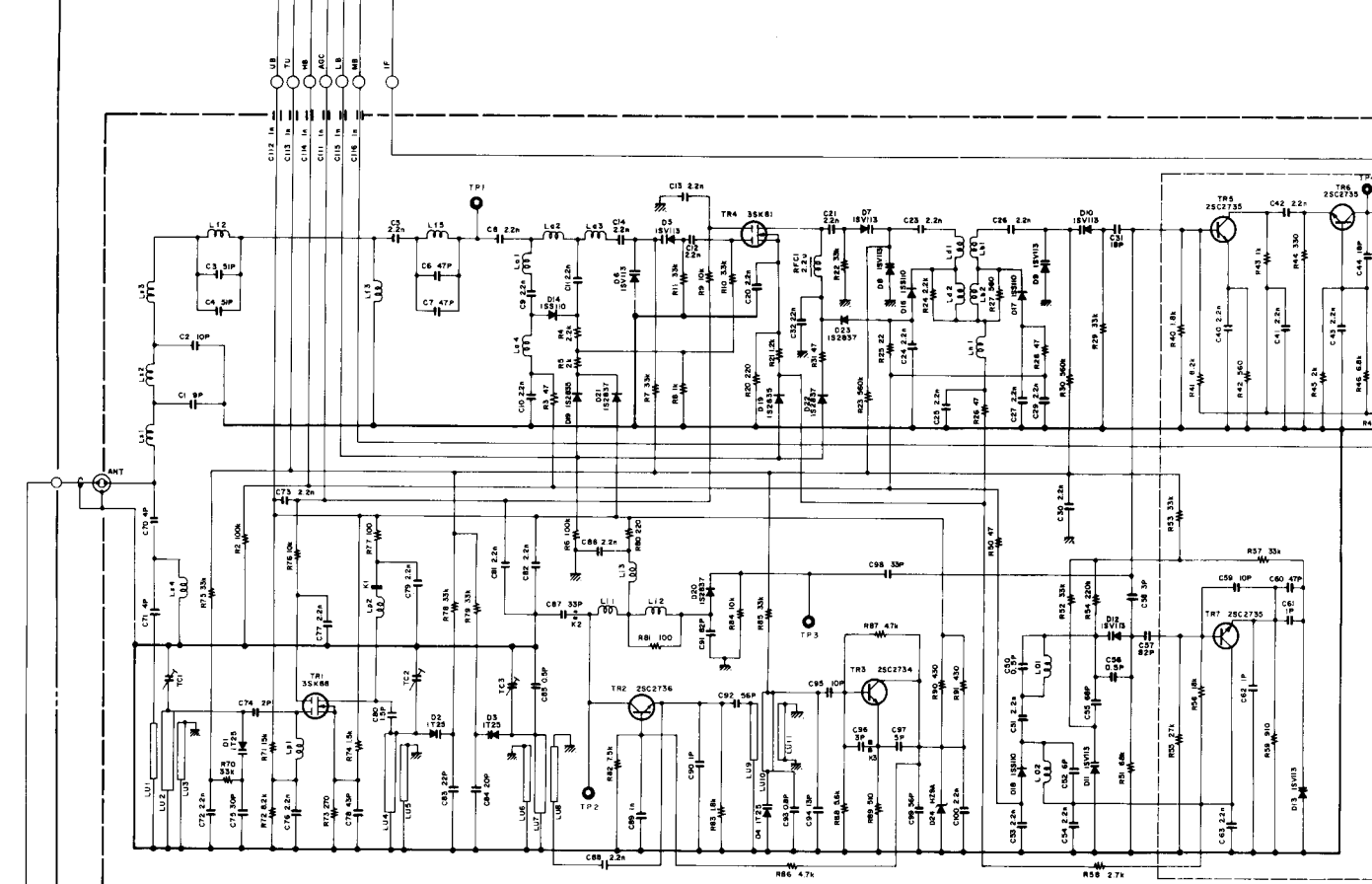
NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS /4W/10  
ALL CAPACITORS IN  $\mu$ F 50WV/10

WARNING \*INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY.  
REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
RECOMMENDED PARTS.  
AVERTISSEMENT \*IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE  
POUR MAINTENIR UN NIVEAU DE SECURITE DE L'APPAREIL.  
NE REMPLACEZ QUE LES PIECES RECOMMANDEES PAR LE FABRICANT.

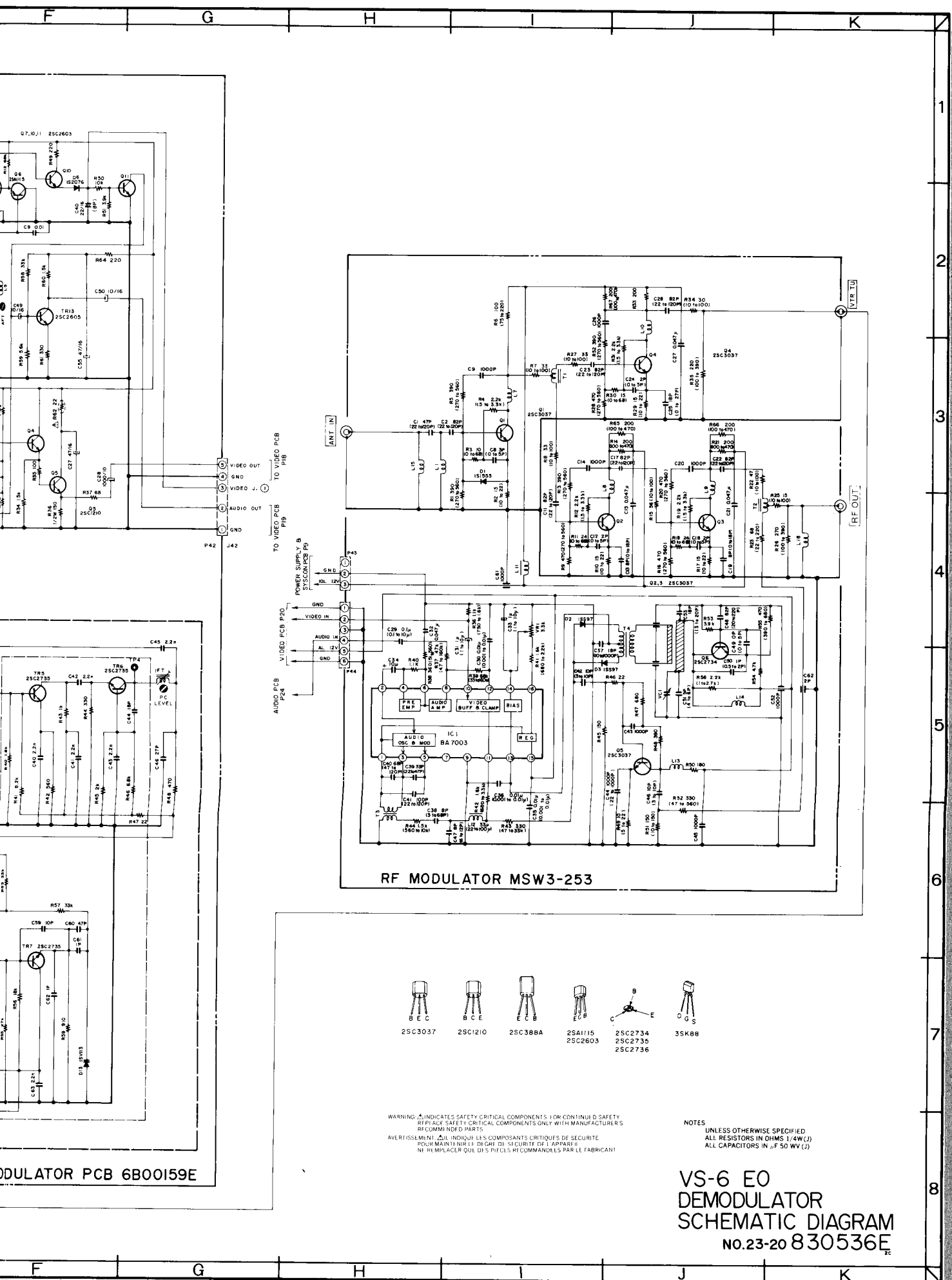
VS-6 EK  
DEMODULATOR  
SCHEMATIC DIAGRAM  
No.23-19 830535D



TV TUNER CEE1 009












DEMODULATOR PCB 6B



MODULATOR PCB 6B00159E

RF MODULATOR MSW3-253

-   
 25C3037
-   
 25C1210
-   
 25C388A
-   
 25A1115
-   
 25C2603
-   
 25C2734
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 35K88
-   
 25C2735
-   
 25C2736

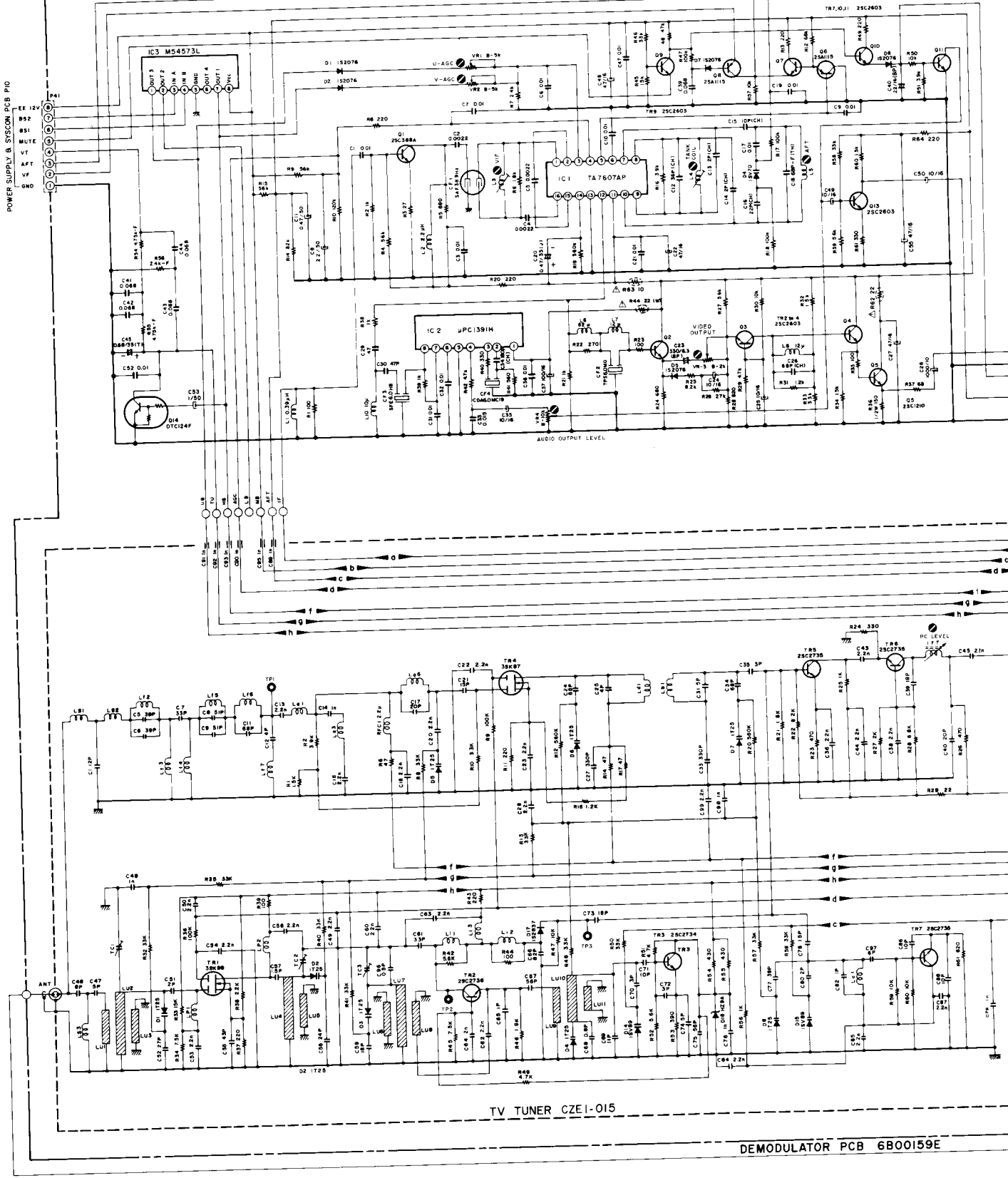
WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. I OR CONTINUE D SAFETY REPAIR USE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.  
 AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE. POUR MAINTEENIR LE Degré DE SECURITE DE L'APPAREIL, NE REMPLACER QUE DES PIÉCES RECOMMANDÉES PAR LE FABRICANT.

NOTES  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS /4W (J)  
 ALL CAPACITORS IN μF 50 WV (J)

VS-6 E0  
 DEMODULATOR  
 SCHEMATIC DIAGRAM  
 NO.23-20 830536E

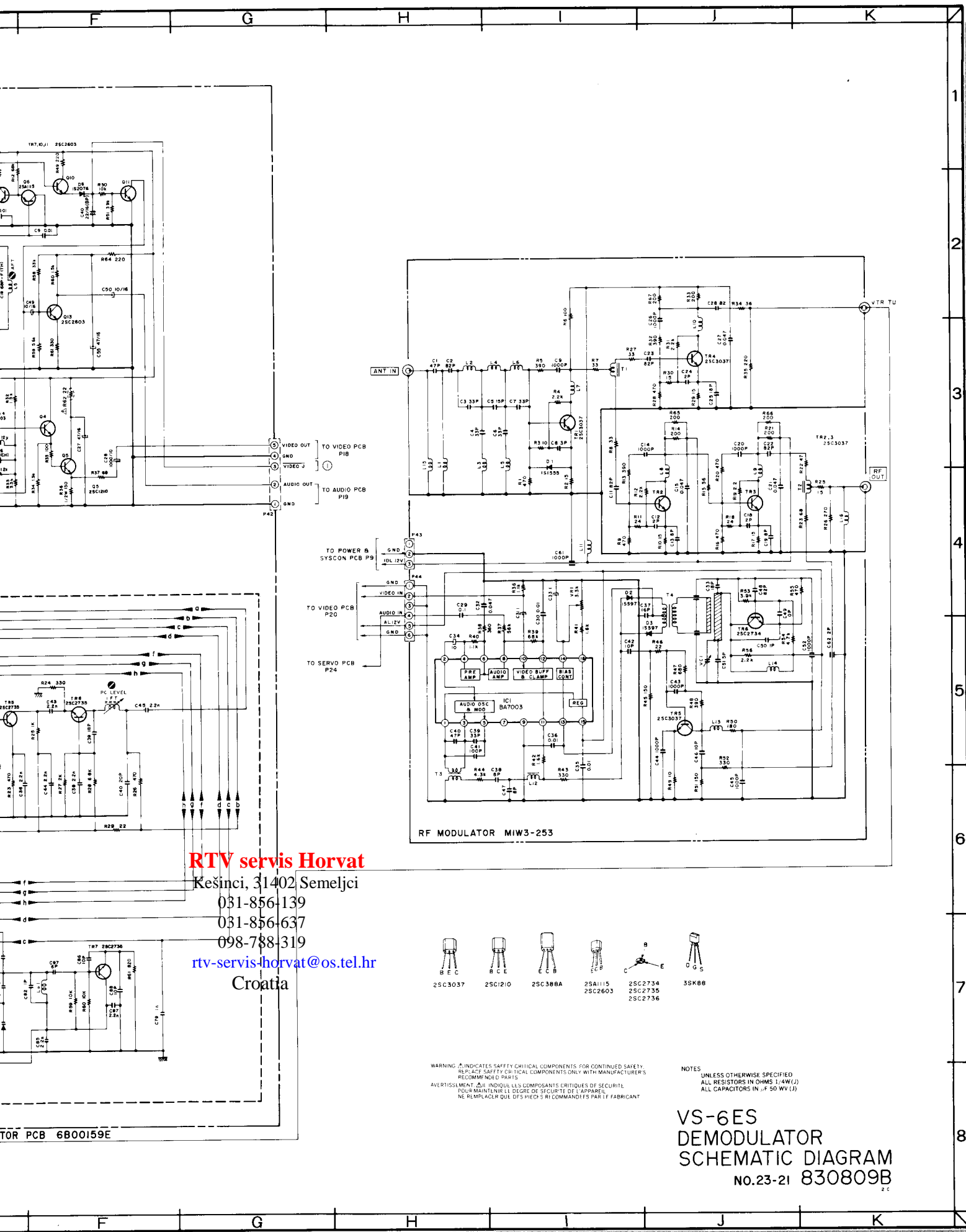


VS-6



TV TUNER CZEI-015

DEMODULATOR PCB 6B00159E



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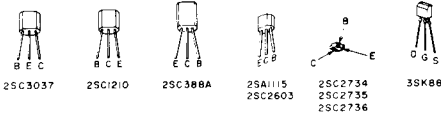
031-856-139

031-856-637

098-788-319

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Croatia



WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.  
 AVERTISSEMENT: Δ INDICQUE LES COMPOSANTS CRITIQUES DE SECURITE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL, NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT.

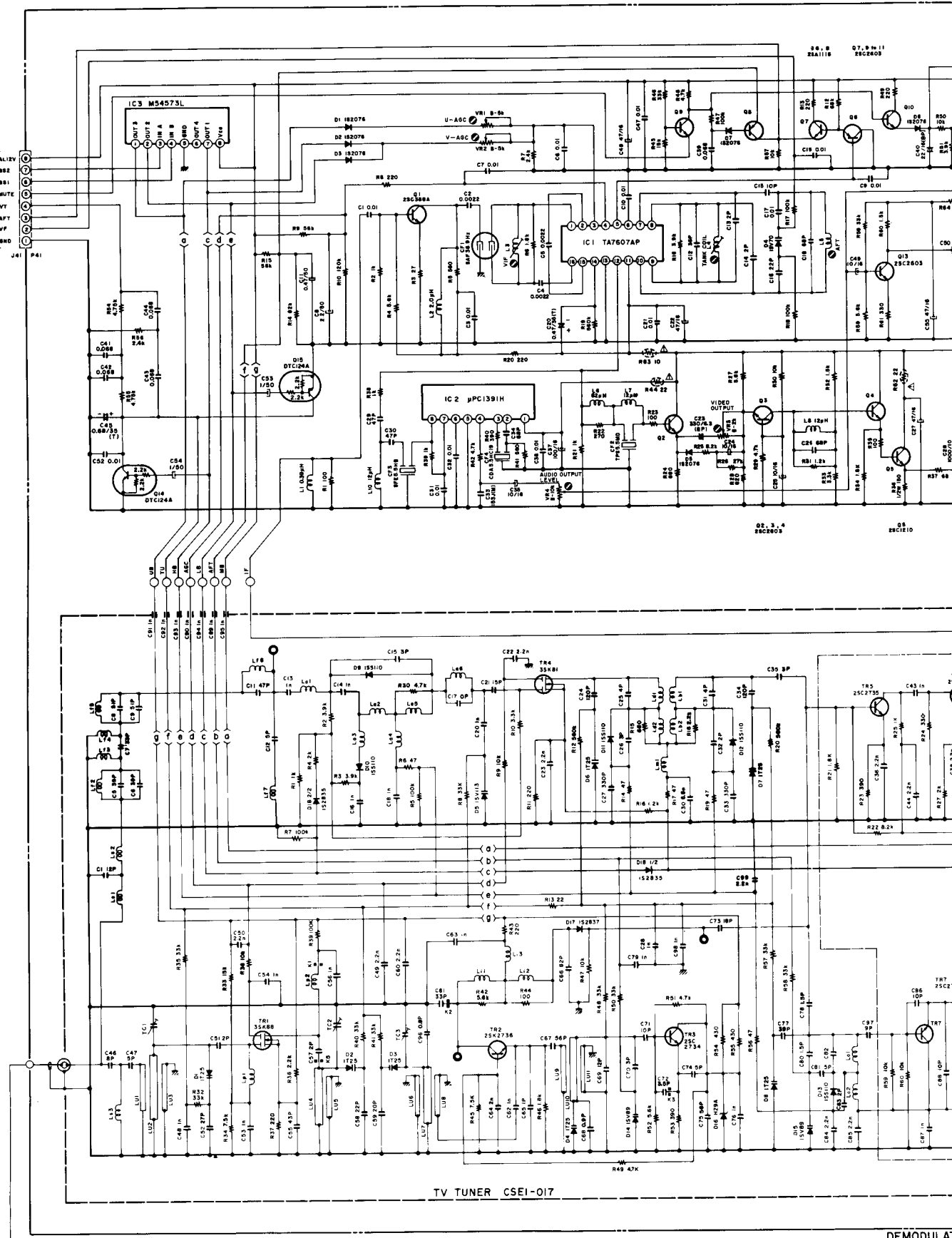
NOTES:  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/4W(1/2)  
 ALL CAPACITORS IN μF 50 WV (J)

**VS-6ES  
 DEMODULATOR  
 SCHEMATIC DIAGRAM**  
 No.23-21 830809B

TOR PCB 6B00159E

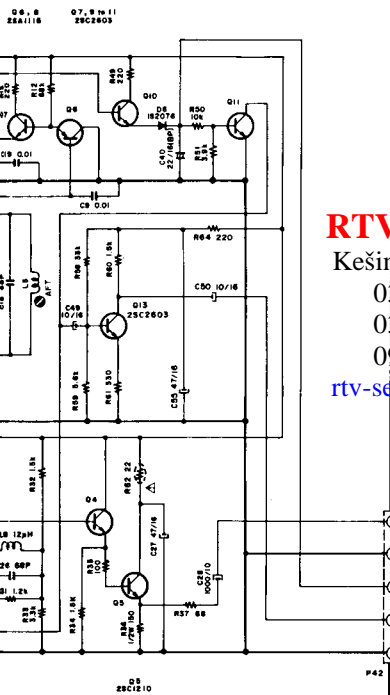
VS-6

TO POWER SUPPLY & SYSTEM PCB



TV TUNER CSEI-017

DEMODULATION



DEMODULATOR PCB 6B00159E

**RTV servis Horvat**

Kešinci, 31402 Semeljci

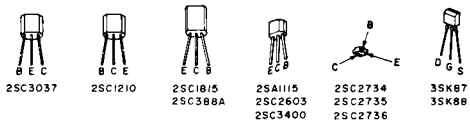
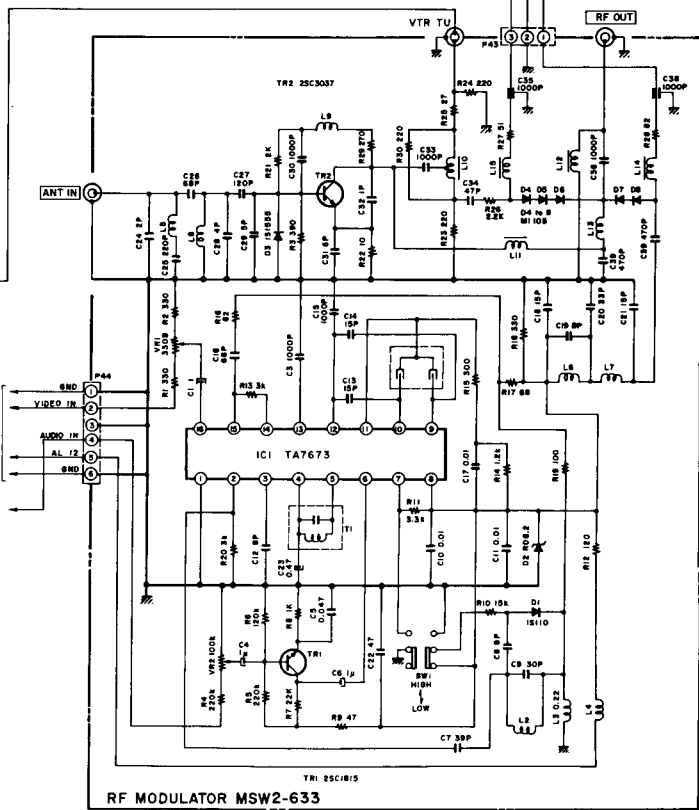
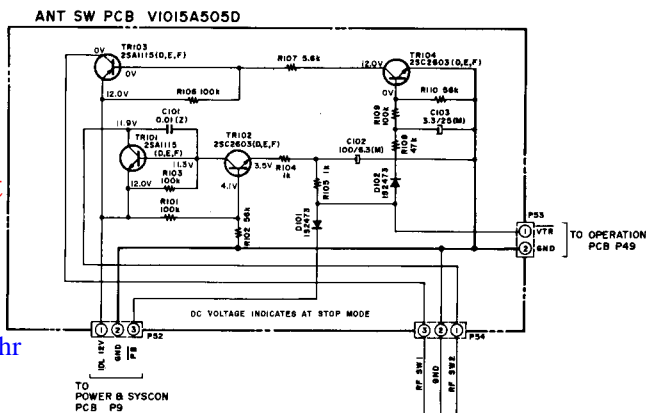
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098-788-319

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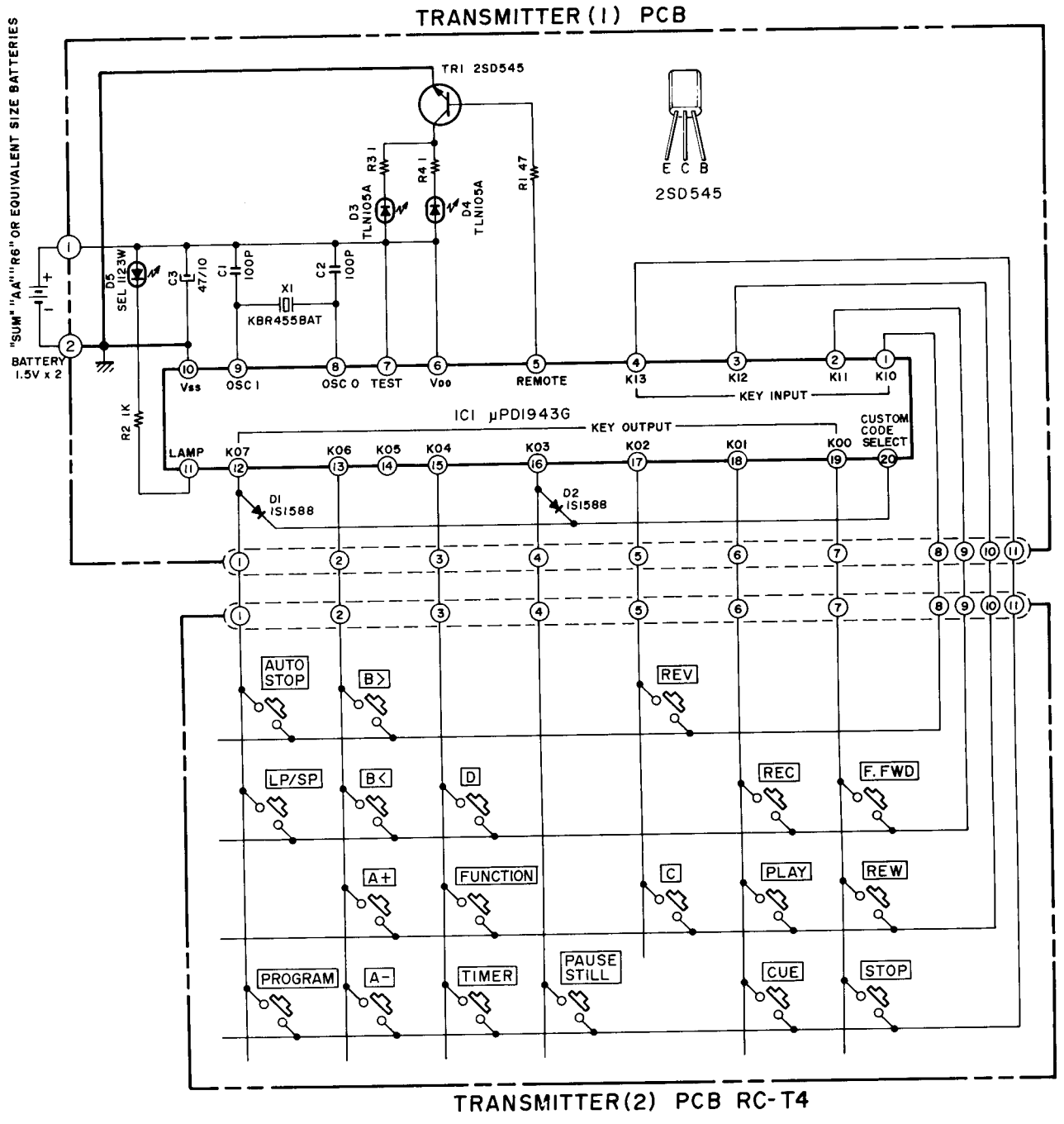


NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS (1/4W/1/)  
ALL CAPACITORS IN μF (50WV/1)

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY,  
REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
RECOMMENDED PARTS.  
AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ  
POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL.  
NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

VS-6EA(Y1)  
DEMODULATOR  
SCHEMATIC DIAGRAM  
NO.23-22 840211A  
2C

RC - T4



CUE : QUICK FINDER ▷  
 REV : QUICK FINDER ◁  
 LP/SP : REC TIME LP/SP

NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/4W(J)  
 ALL CAPACITORS IN µF 50WV(J)

RC-T4  
 REMOCON UNIT  
 SCHEMATIC DIAGRAM  
 NO.23-23 830538F