

Service Manual

TV / VCR Combination

CHASSIS : CP-082S

**Model : VX-14MW1U/14MW1E
VX-21MW1U/21MW1E**

● SPECIFICATIONS

ITEMS	MODEL	VX-14MW1U/14MW1E VX-21MW1U/21MW1E	REMARK
TV SECTION	STANDARD	PAL-I/III(UK MODEL), PAL-B/G(CONTINENTAL MODEL)	
	SCREEN SIZE	14" : A34EAC01X. 21" : A51EAL...X..	
	MAIN VOLTAGE	220-240V AC, 50Hz	
	POWER	STAND BY MODE : BELOW 5 Watts	
	CONSUMPTION	OPERATION MODE : 14"-50Watts, 21"-63Watts	
	SOUND OUTPUT	1Wmin	
	SPEAKER	3Watts 8 Ohm	
	ANTENNA IMPEDANCE	75 Ohm unbalanced input	
	TUNING SYSTEM	FVS(FREQUENCY SYNTHESIS) TUNING	
	TUNER	VHF-L : E2-S10, VHF-H : E5-S39, UHF : S40-E69 (PAL-I-UHF ONLY)	
	NUMBER OF PROGRAM	100 PROGRAM	
	AUX. TERMINAL	SCART JACK(REAR) , RCA JACK(AV2 FRONT), HEADPHONE JACK	
	REMOTE CONTROLLER	RM-Z5403/04 with 2 "AAA" type batteries	
	OTHER FEATURE	ON SCREEN DISPLAY, SLEEP TIMER, WAKE UP TIMER, FULL AUTO SEARCH, MANUAL/FINE TUNING, CHILD LOCK, PANEL LOCK, AUTO REPEAT, PICTURE TYPE SELECTION (LIVE, NORMAL, FAVOURITE), INDEX SEARCH, TV/AV	
VIDEO SECTION	SINGLE SYSTEM	PAL colour and CCIR mono chrome signals, 625lines/50fields.	
	RECORDING SYSTEM	2HEAD	
	INPUT	1Vp-p, 75 ohm, unbalanced	
	OUTPUT	1Vp-p, 75 ohm, unbalanced	
	SIGNAL TO NOISE RATIO	49dB with NETTETE IMAGE control at center position	
AUDIO	HORIZONTAL RESOLUTION	230lines with NETTETE IMAGE control at center position	
	RECORDING SYSTEM	LONGITUDINAL TRACK	
	INPUT	-3.8dBm(500m Vrms), more than 47 Kohms, unbalanced	
	OUTPUT	-3.8dBm(500m Vrms), less than 1 Kohms, unbalanced	
	FREQUENCY RANGE	100Hz to 6KHz	
GENERA	SIGNAL TO NOISE RATIO	30dB(more than)	
	TEMPERATURE	5 o C to 35 o C(operating), -20 o C to 60 o C (storage temperature)	
	FORMAT	standard	
	TAPE WIDTH	12.65mm	
	TAPE SPEED	SP : 23.39mm/sec, LP : 11.70mm/sec	
	WITH FULL SIZE	SP : 240 min, win E-240 video cassette	
	CASSETTE	LP : 480min, win E-240 video cassette	

TABLE OF CONTENTS

PART I

SAFETY INSTRUCTION	2
SPECIFICATION	3
CIRCUIT BLOCK DIAGRAM	4
ALIGNMENT INSTRUCTIONS	5
SERVICE REMOCON DIAGRAM	8
SCHEMATIC DIAGRAM	11
EXPLODED VIEW	13
PRINTED CIRCUIT BOARD	15
COORDINATES OF MAIN PCB	16
SERVICE PARTS LIST	22

PART II

TECHNICAL SERVICE GUIDE

SAFETY INSTRUCTION

WARNING:BEFORE SERVICING THIS CHASSIS,
READ THE X-RAY RADIATION
PRECAUTION , SAFETY
PRECAUTION AND PRODUCTION
SAFETY NOTICE BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not exceed the specified limit
The nominal value of the highvoltage of this receiver is 23-25KV(14), 25~29KV(21) at max. beam current, The high voltage must not,under any circumstances, exceed 26KV(14), 31KV(21).
Each time a receiver requires servicing,the high voltage should be checked.
It is recommended the reading of the high voltage be recorded as a part of the service records, It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY radiation in this TV receiver is the picture tube. For continuous X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.

SAFETY PRECAUTION

1. Potentials of high voltage are present when this receiver is operating. Operation of the receiver outside the cabinet or with the back board removed involves a shock hazard from the receiver.
 - 1) Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment.
 - 2) Always discharge the picture tube before handling the tube.The picture tube is highly evacuated and if broken, glass fragments will be violently expelled.
2. If any fuse in this TV receiveris blown, replace it with the FUSE specified in the Replacement Parts list.

3. When replacing a high wattage resistor (metal oxide film resistor) in circuit board, keep the resistor 10mm away from circuit board.
4. Keep wires away from high voltage or high temperature components.
5. This receiver must operate under AC260 volts, 50Hz. NEVER connect to DC supply or any other power or frequency.

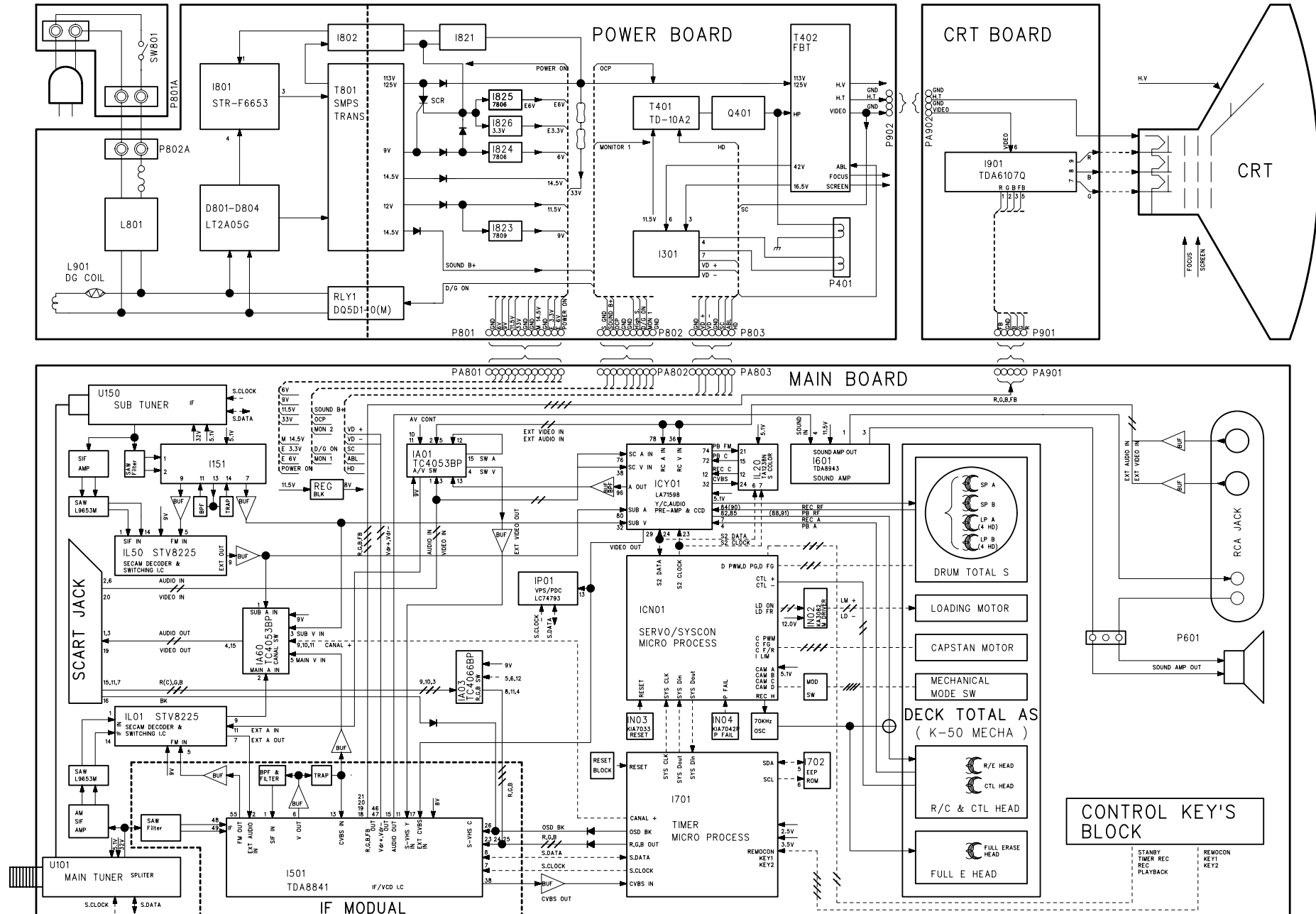
PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-RAY RADIATION protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements, electrical components having such features are identified by designated symbol on the parts list.
Before replacing any of these components,read the parts list in this manual carefully.
The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create X-RAY Radiation.

SPECIFICATION

ITEMS	MODEL	VX-14MW1U/14MW1E VX-21MW1U/21MW1E	REMARK
TV SECTION	STANDARD	PAL-I/II(UK MODEL),PAL-B/G(CONTINENTAL MODEL)	
	SCREEN SIZE	14":A34EAC01X.. 21":A51EAL...X..	
	MAIN VOLTAGE	220~240V AC,50Hz	
	POWER CONSUMPTION	STAND BY MODE : BELOW 5 Watts OPERATION MODE : 14"=50Watts, 21"=63Watts	
	SOUND OUTPUT	1Wmin	
	SPEAKER	3Watts 8 Ohm	
	ANTENNA IMPEDANCE	75 Ohm unbalanced input	
	TUNING SYSTEM	FVS(FREQUENCY SYNTHESIS) TUNING	
	TUNER	VHF-L : E2-S10, VHF-H : E5-S39, UHF : S40-E69 (PAL-1=UHF ONLY)	
	NUMBER OF PROGRAM	100 PROGRAM	
	AUX, TERMINAL	SCART JACK(REAR) , RCA JACK(AV2 FRONT), HEADPHONE JACK	
	REMOTE CONTROLLER	RM-Z5403/04 with 2 AAA type batteries	
	OTHER FEATURE	ON SCREEN DISPLAY, SLEEP TIMER, WAKE UP TIMER FULL AUTO SEARCH, MANUAL/FINE TUNING CHILD LOCK, PANEL LOCK, AUTO REPEAT, PICTURE TYPE SELECTION (LIVE, NORMAL, FAVOURITE), INDEX SEARCH, TV/AV	
VIDEO SECTION	SINGLE SYSTEM	PAL colour and CCIR mono chrome signals, 625lines/50fidlds.	
	RECORDING SYSTEM	2 HEAD	
	INPUT	1Vp-p, 75 ohm, unbalanced	
	OUTPUT	1Vp-p, 75 ohm, unbalanced	
	SIGNAL TO NOISE RATIO	43dB with NETTETE IMAGE control at center position	
	HORIZONTAL RESOLUTION	230lines with NETTETE IMAGE control at center position	
AUDIO	RECORDING SYSTEM	LONGITUDINAL TRACK	
	INPUT	-3.8dBm(500m Vrms), more than 47 Kohms, unbalanced	
	OUTPUT	-3.8dBm(500m Vrms). less than 1 Kohms, unbalanced	
	FREQUENCY RANGE	100Hz to 6KHz	
	SIGNAL TO NOISE RATIO	30dB(more than)	
GENERA	TEMPERATRE	5° C to 35° C(operating) -20° C to 60° C (storage temperature)	
	FORMAT	standard	
	TAPE WIDTH	12.65mm	
	TAPE SPEED	SP : 23.39mm/sec, LP : 11.70mm/sec	
	WITH FULLSIZE	SP : 240 min, win E-240 video cassette	
	CASSETTE	LP : 480min, win E-240 video cassette	

CP-082S BLOCK DIAGRAM(Power & Main)



ALIGNMENT INSTRUCTIONS

1. MAIN TUNER AGC

- 1) Set a Pattern Generator with RF level $65 \pm 2 \text{ dBuV}$, 210.25 MHz.
- 2) Connect a OSCILLOSCOPE PROBE to P101 (pin #1) ,(TUNER AGC INPUT).
- 3) Adjust AGC UP/DOWN KEY the voltage drop about 1V DC over below it s maximum voltage.

2. SUB TUNER AGC

- 1) Set a pattern Generator with RF level $65 \pm 2 \text{ dBuV}$, 210.25 MHz
- 2) Connect a OSCILLOSCOPE PROBE to P101(pin #3)
- 3) Press the REC-B key two times.
- 4) Ajust R157 on the MAIN PCB the voltage drop about 1V DC over below it s maximum voltage.

3. SCREEN

- 1) Apply a COLOR BAR PATTERN SIGNAL.
- 2) Press the SCREEN KEY.
- 3) Connect a OSCILLOSCOPE PROBE to P901 (CRT CATHODE R,G,B)
- 4) Adjust the screen volume on FBT such that the highest black level voltage 120V 5Vdc.

* Another methode

- 1) Press AV Key in condition of AV no signal.
- 2) Press the SCREEN KEY.
- 3) Connect a OSCILLOSCOPE PROBE to P901 (CRT CATHODE R,G,B)
- 4) Adjust the screen volume on FBT such that the highest black level voltage 140V 5Vdc.

4. WHITE BALANCE

- 1) Apply a COLOR BAR PATTERN SIGNAL.
- 2) Adjust the R,G,B UP/DOWN KEY of the other color which did not appear on the screen to obtain WHITE.

5. FOCUS

- 1) Apply a RETMA PATTERN SIGNAL.
- 2) Adjust the FOCUS VOLUME on FBT to obtain optimal resolution.

6. GEOMETRY

6-1. S-CORRECTION

- 1) Apply a CROSSHATCH PATTERN SIGNAL.
- 2) Adjust the S-CORR UP/DOWN KEY obtain the same distance between horizontal lines.

6-2. VERTICAL SLOPE

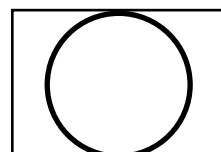
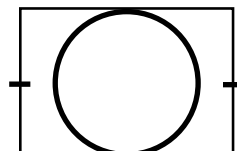
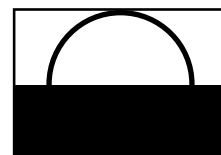
- 1) Apply a RETMA PATTERN SIGNAL.
- 2) Pressing the V-SLOPE +/- KEY, the lower half of the screen is blanked.
- 3) Adjust the border line of blanked picture coincident with the center marks of the patte using the V-SLOPE +/- KEY.

6-3. VERTICAL CENTER

- 1) Apply a RETMA PATTERN SIGNAL.
- 2) Adjust the center line of pattern coincident with the mechanical center marks of the CRT using the V-CENTER +/- KEY.

6-4. VERTICAL SIZE

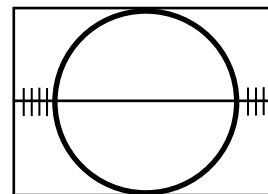
- * The V-CENTER adjustment has to be done in advance.
- 1) Apply a RETMA PATTERN SIGNAL.
 - 2) Adjust the upperside of the pattern coincident with the mechanical center marks of the CRT using the V-SIZE +/- KEY.



ALIGNMENT INSTRUCTIONS

6-5. HORIZONTAL CENTER

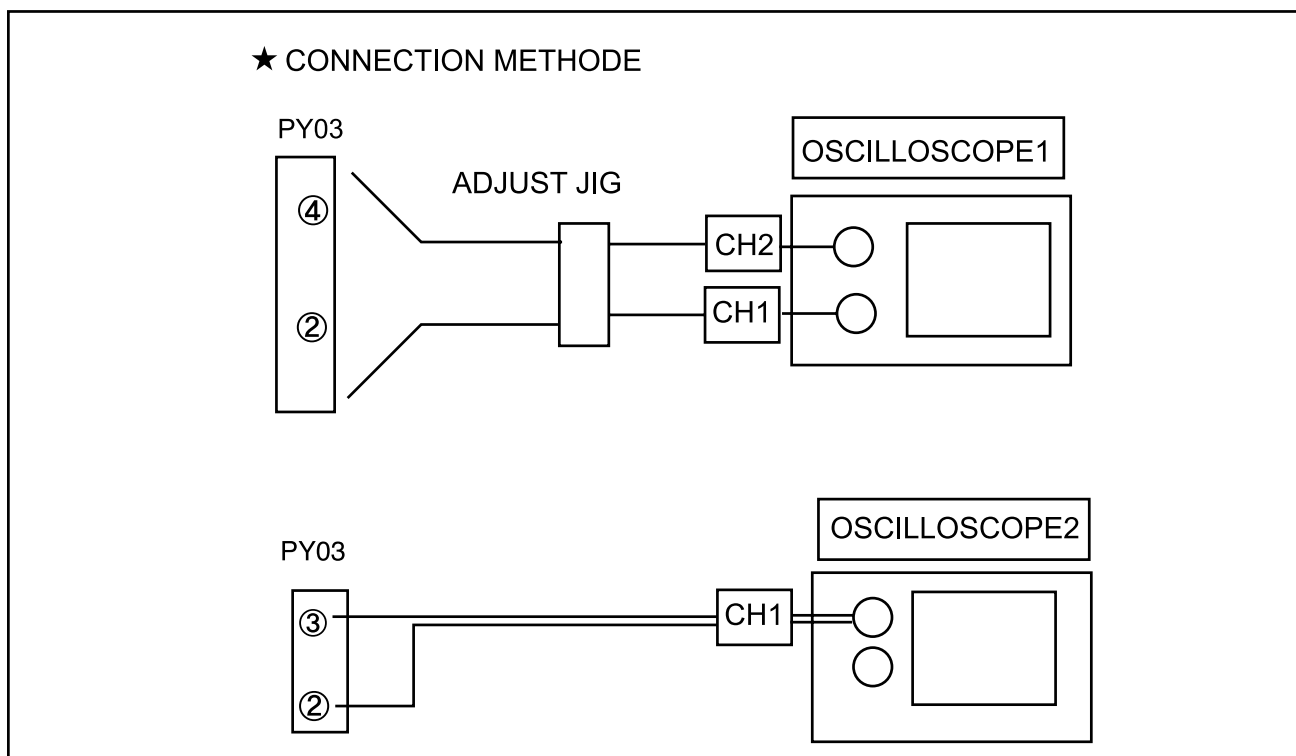
- 1) Apply a RETMA PATTERN SIGNAL.
- 2) Adjust picture centering with H-CENTER +/- KEY.



7. DECK ADJUSTMENT

7-1. X-POSITION AND P2,P3 ADJUSTMENT

- 1) Adjust point : X-POSITION
 Checking point : oscilloscope ch1 = H/SW (PY03 #6)
 oscilloscope ch2 = PB ENVE (PY03 #4)
 Triggering : CH1
 Measuring Equipment : oscilloscope, path jig
 Mode : PLAYBACK, ATK OFF
 Test tape : DP-2 (6KHz)

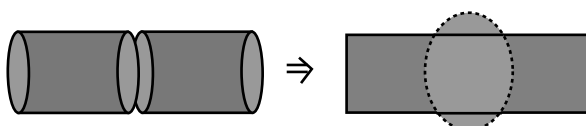


* Adjustment Procedure

- 1) Connect the PATH JIG to PY03 after Test tape PLAYBACK
- 2) Insert the DP-2 TAPE. (Auto playback)
- 3) Pressing the ATK OFF KEY.
- 4) Adjust the waveform of PB ENVE to maximum (figure1) using X-position VR.
- 5) Adjust IN/OUTPUT GUIDE until the exact waveform appear as below figure2.



max.
(figure 1)



(figure 2)

ALIGNMENT INSTRUCTIONS

7-2. AUTO PG ADJUSTMENT

- 1) After adjustment of 7-1. Press the REC. button.
- 2) Eject the Test tape.

7-3. AZIMUTH ADJUSTMENT

- 1) Adjust point : AZIMUTH SCREW

Checking point : SOUND OUTPUT (PY03)

Measuring Equipment : oscilloscope or audio level meter.

Mode : PLAYBACK

Test tape : DP-2 (6KHz)

* Adjustment Procedure

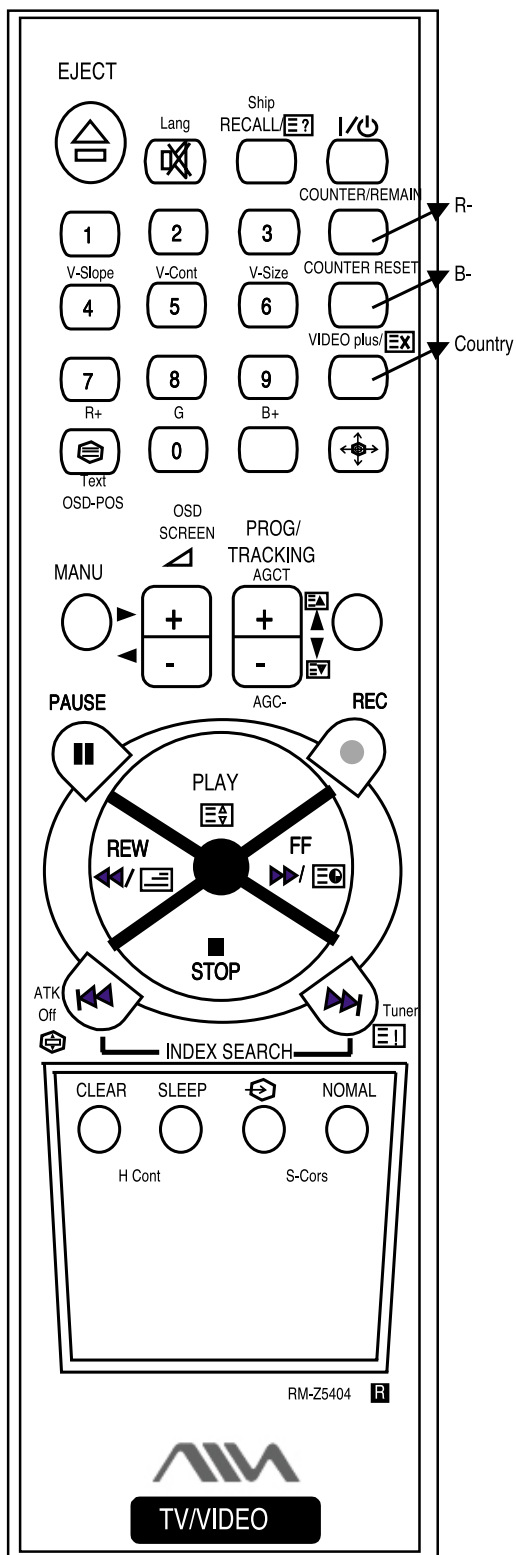
- 1) Connect the measuring equipment to the AUDIO OUTPUT (PY03) terminal.
- 2) After test tape playback, adjust the output level maximally by varying the azimuth screw.
- 3) Fix the azimuth screw with locking paint.

* If EEPROM (I702) has been changed :

- Option data has to be changed and
- all alignment function has to be readjusted.

SERVICE REMOCON DIAGRAM

1. DIAGRAM



1. DIAGRAM

* To enter the SERVICE MODE

Press NORMAL => AV => SLEEP => CLEAR => POWER buttons in regular sequency within 10seconds using USER REMOCON after setting ST-BY.

SERVICE REMOCON

2. HOW TO CHECK TV SECTION WITHOUT VCR DECK

If you want to check TV section without DECK mechanism, then please perform in this order.

- 1) Pull out the power cord.
- 2) Remove the VCR DECK mechanism.
- 3) Supply the main power. (Main sw on)
- 4) Wait for about 10 seconds. (You can see the light of power LED if the TV is normal.)
- 5) Turn on the TV using the remocon. (You can see the OSD "EMERGENCY")
- 6) Check the TV section.

3. Refer to general adjustment

- 1) S-CORR +/- (S-CORRECTION)
Press this button to adjust the same distance between horizontal lines on screen of crosshatch pattern.
- 2) V-SLOPE +/- (VERTICAL SLOPE)
Press this button to adjust the border line of blanked picture coincident with the center marks of the pattern.
- 3) V-CENT +/- (VERTICAL CENTER)
Press this button to adjust the center line of the pattern coincident with the mechanical center marks of the CRT on screen of RETMA pattern.
- 4) V-SIZE +/- (VERTICAL SIZE)
Press this button to adjust the upperside of the pattern coincident with the mechanical center marks the CRT on screen of RETMA pattern.
- 5) H-CENT +/- (HORIZONTAL CENTER)
Press this button to adjust picture centering with H-center on screen of RETMA pattern.
- 6) R,G,B +/- (WHITE BALANCE)
The screen is become WHITE adjust R,G,B level by this button.
- 7) ATK OFF (Auto tracking off)
Press this button to adjust X-Position adjustment.
Front panel's LED's are lighted up if you press this button.
Press the PB button.
ATK OFF : ●●(RED, RED)
ATK MIN : ½●(BLINK, OFF)
ATK MAX : ○½(OFF, BLINK)
ATK ON : ½●(BLINK,BLINK)
; LEFT LED = ST-BY, RIGHT LED = REC/T.REC
- 8) REC
Press this button to adjust AUTO PG.
- 9) SCREEN
Press this button to adjust the screen volume on FBT.
- 10) SHIP (SHIPPING CONDITIONS)
Press this button to set the SHIPPING CONDITIONS.
- 11) REC-B (Only 2-TUNER Model)
Press this button to adjust SUB TUNER AGC.
Press once : picture is displayed colour pattern.
Press once more : picture is displayed black/white pattern.
- 12) AGC +/-
this button to adjust MAIN TUNER AGC.

SERVICE REMOCON

13) STILL

Press this button to enter the PAUSE/STILL mode.

14) STOP

Press this button to enter the STOP mode.

15) REW/REV

Press this button to enter the REW/REV mode.

16) PLAYBACK

Press this button to enter the PLAYBACK mode.

17) FF/CUE

Press this button to enter the FF/CUE mode.

18) LANGUAGE

Press this button to enter the LANGUAGE SELECTION mode.

You can select the language you want by press AGC + (moving up) or AGC - (moving down) buttons.

19) OSD-POS / OSD ◀/ OSD▶

Press OSD-POS button to enter the OSD Position adjust mode.

You can adjust OSD position you want by press OSD ◀ or OSD▶ buttons.

20) COUNTRY SET

Press this button to enter the COUNTRY SET mode.

Press the this button :

Option1 (PAL-I/I system)

Option2 (PAL-B/G system)

21) Tuner Option

Press this button to set Tuner option.

Press the this button : 1. Daewoo

2. Philips(Priority)

3. LG

22) Text Option

Press this button to set Text option

Press the this button : 1. West Europe

2. East Europe

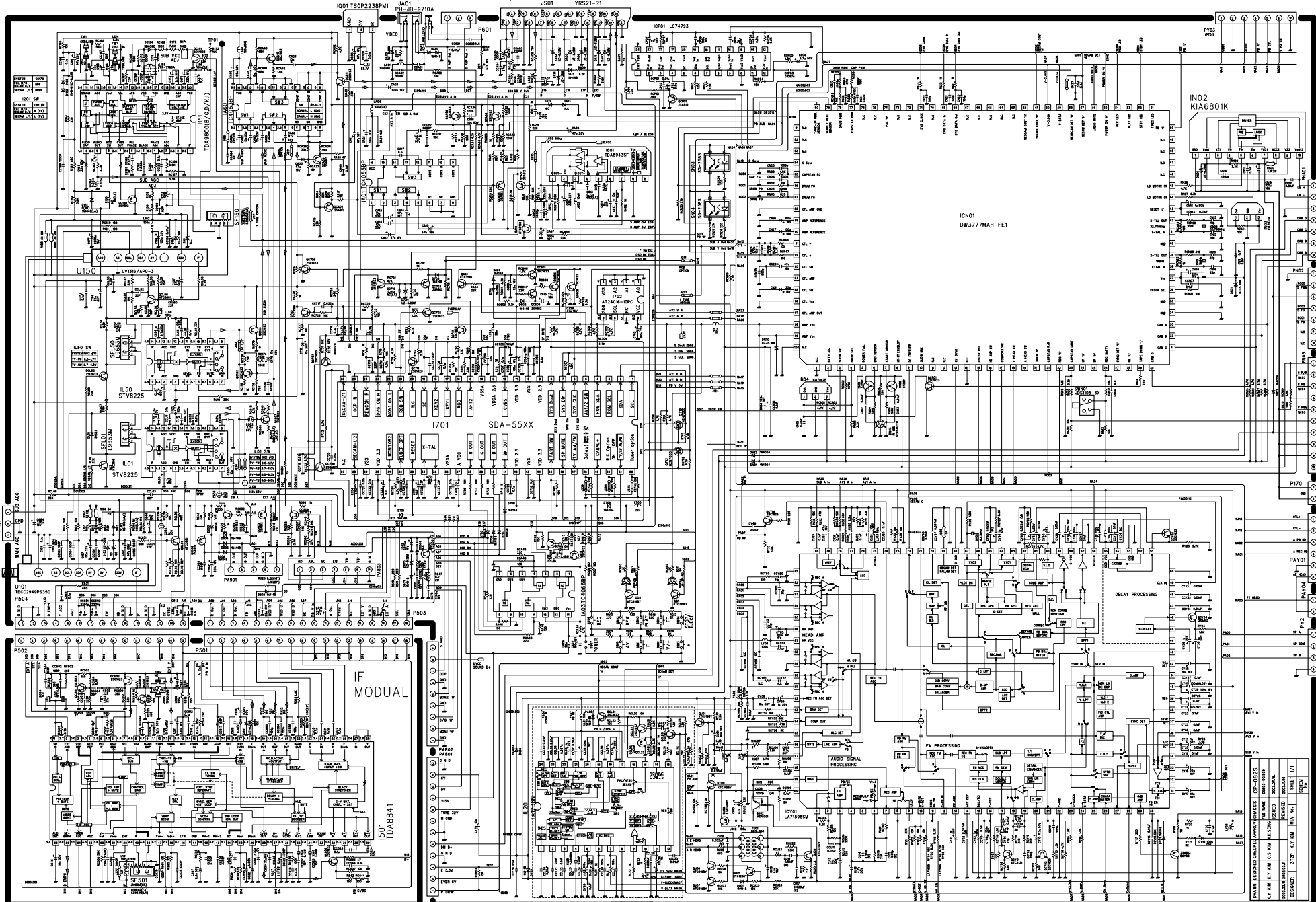
* If you forget your child lock secret No.

--> 1. Enter the SERVICE MODE.

2. POWER OFF/ON

SCHEMATIC DIAGRAM

CP-082S CHASSIS MAIN SCHEMATIC DIAGRAM (09593-00)



SCHEMATIC DIAGRAM

SAFETY CAUTION :

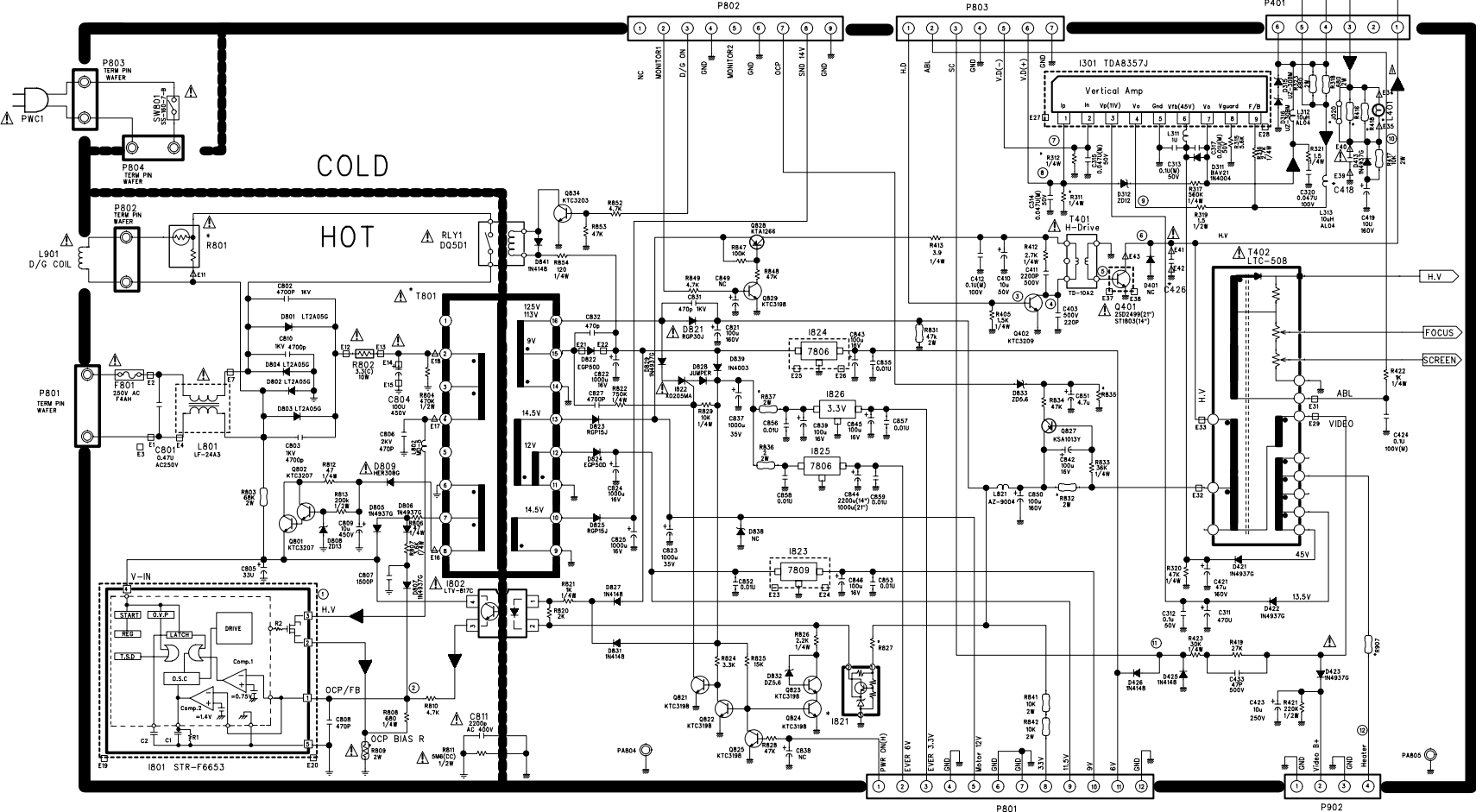
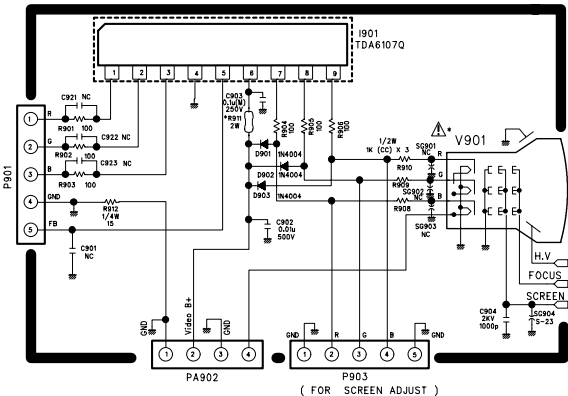
BEFORE SERVICING THIS CHASSIS IT IS IMPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE "X-RAY RADIATION PRECAUTION. "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

VX-14MW1U { VX-21MW1U }
VX-14MW1E { VX-21MW1E }

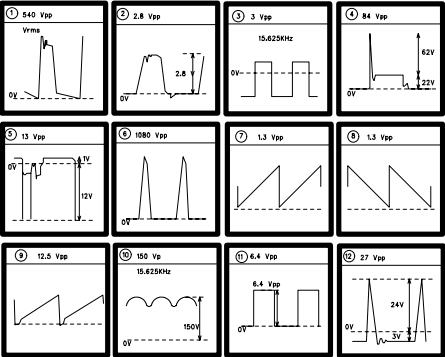
PRODUCT SAFETY NOTE :

COMPONENTS MARKED WITH  ARE IMPORTANT FOR MAINTAINING. THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PARTS LIST. DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

POWER / DEF. PART CIRCUIT



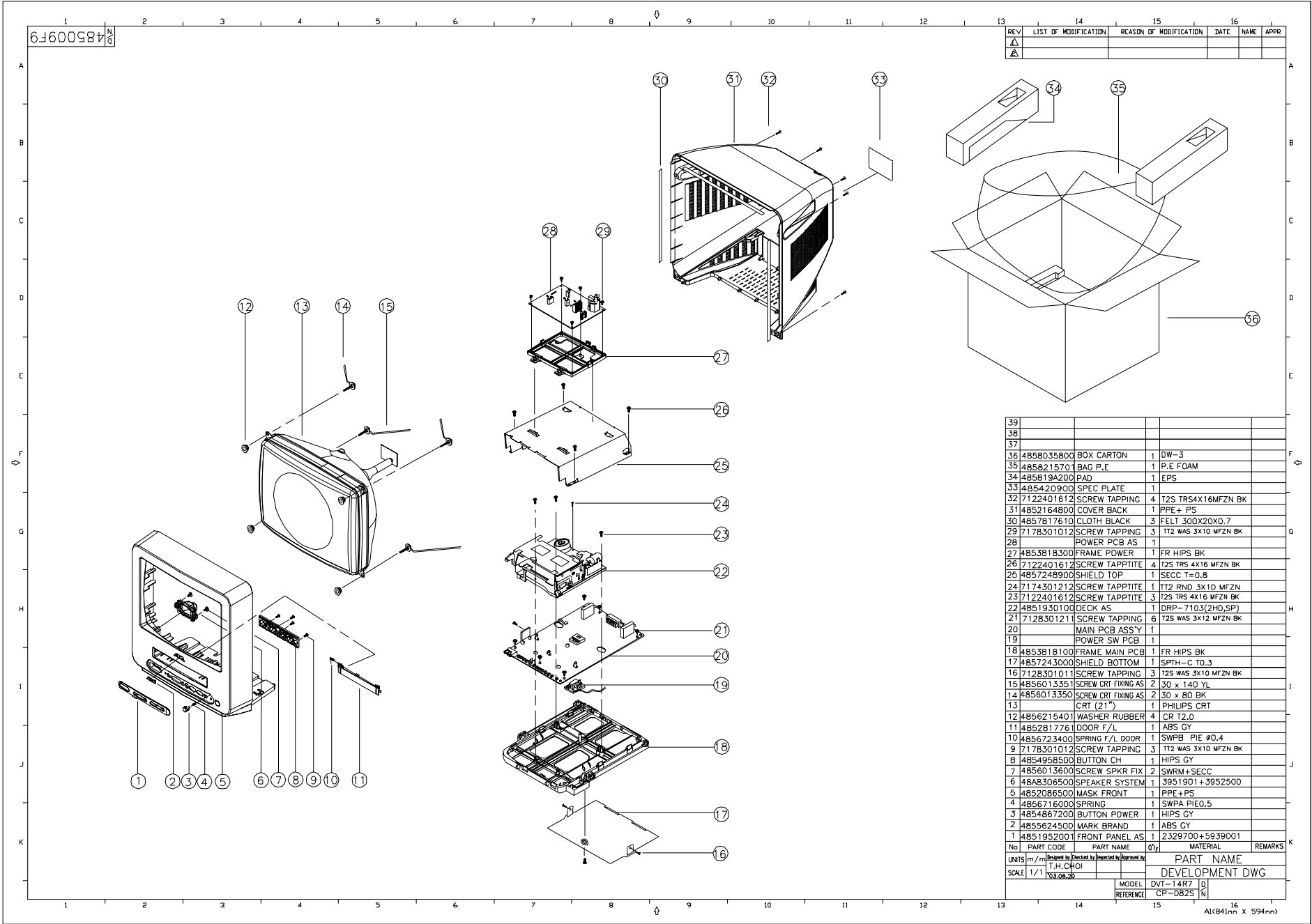
DIFFERENT PARTS FOR SIZE					
NO	LOC	PART	VX-14MW1U VX-14MW1E	VX-21MW1U VX-21MW1E	REMARK
1	B212	R METAL FILM	1/4W 1.5K	1/4W 2.0K	
2	B832	R M or R FUSIBLE	2W 0.82	2W 0.82	
3	C418	C MYLAR	0.01uF/200V	0.01uF/200V	
4	C426	C MYLAR	7200uF/16KV	8200uF/16KV	
5	B837	R METAL FILM	2W 24 OHM J	2W 43 OHM J	
6	B828	R CARBON FILM	1/4W 6.8K	1/4W 5.1K	
7	R907	R M or R FUSIBLE	2W 0.68	2W 3.3	
8	Z231	CRT GROUND NET	1401S-101S-P	2101S-101S-P	
9	Z232	COIL DEGAUSSING	DC-1450	DC-215F	
10	B211	SOCKET CRT	GBR035	GBR035	
11	V901	CRT	(A34EAC01V17)	(A34EAL15K17)	
12	B801	POISSON	DECH40M290	DDC780M290	
13	R911	R M-OXIDE FILM	100	1K	
14	L401	COIL LINEARITY	L-125	L-102	
15	B218	R METAL FILM	2W 2.2K OHM J	2W 2.2K OHM J	
16	J020	WIRE COPPER	N/C	N/C	
17	B827	R CARBON FILM	1/4W 3.2K	N/C	
18	T801	TRANS DMPS	TSM-1541A7	TSM-142282	
19	B211	IC	SECTION	SECTION	
20	B808	R M or R FUSIBLE	2W 0.33	2W 0.22	
21	B835	R CARBON FILM	1/4W 75K	1/4W 36K	



DRAWN	DESIGNED	CHECKED	APPROVE	CHASSIS	VX-14MW1E
J.H. KIM	J.H. KIM			FILE NAME	
12.08.03				ISSUED	4859815411-00
DESIGNER	21 3P	J.H. KIM	REV No.	SHEET	1/1
				SCHEM	No.

EXPLODED VIEW

1. VX-14R7

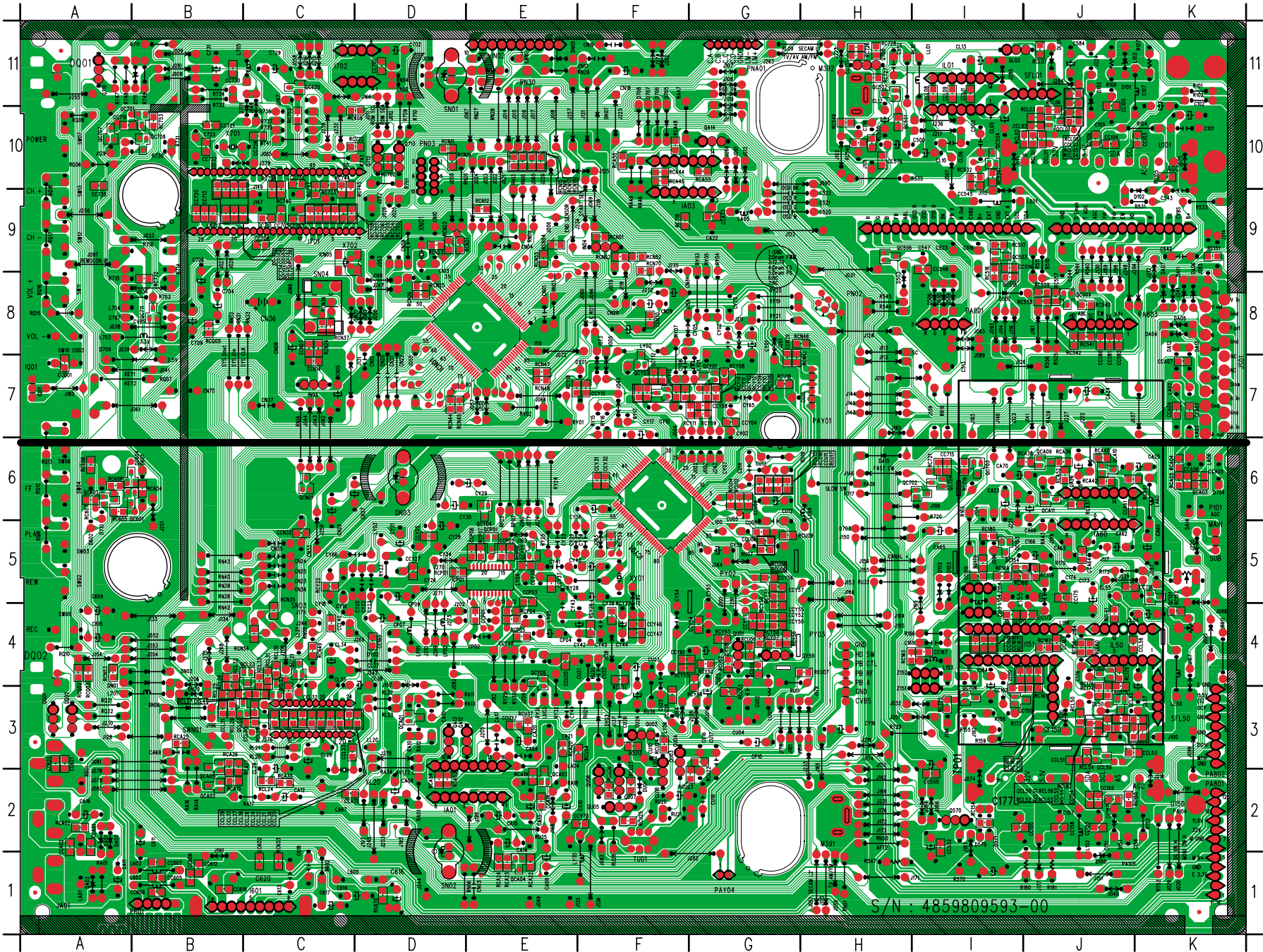


2. VX-21R7



PRINTED CIRCUIT BOARD

1. MAIN PCB



COORDINATES OF MAIN PCB

Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y
C101	K	10	C709	B	8	CC163	J	4	CC735	A	10	CCP03	E	5
C102	K	10	C718	H	10	CC165	I	5	CC736	B	9	CCP05	E	5
C105	J	10	C723	B	10	CC167	I	4	CCA01	A	2	CCP08	E	5
C107	K	10	C729	C	11	CC169	I	4	CCA02	A	2	CCQ01	A	7
C151	J	2	C731	B	11	CC170	I	4	CCA03	K	7	CCU06	G	5
C156	J	2	CA08	D	2	CC172	J	4	CCA04	K	7	CCU09	G	6
C157	J	2	CA09	E	1	CC175	J	5	CCA05	K	6	CCU11	G	6
C164	I	3	CA10	D	3	CC514	I	9	CCA06	K	6	CCU20	E	4
C166	J	5	CA11	A	1	CC545	I	10	CCA07	K	7	CCU26	F	3
C168	I	4	CA12	C	2	CC548	I	9	CCA18	E	2	CCU27	E	3
C171	J	5	CA13	E	2	CC550	I	2	CCA23	G	9	CCY04	G	7
C173	J	5	CA14	E	2	CC552	I	2	CCA61	J	6	CCY08	G	7
C174	J	5	CA15	E	2	CC576	H	10	CCA64	J	5	CCY09	F	7
C176	J	3	CA16	A	2	CC580	J	8	CCL01	J	10	CCY11	F	7
C177	I	2	CA17	E	3	CC581	J	8	CCL02	J	10	CCY12	F	7
C500	H	10	CA20	E	3	CC582	J	8	CCL03	J	11	CCY15	F	7
C503	I	10	CA21	E	3	CC602	C	1	CCL08	I	11	CCY25	D	5
C510	E	2	CA22	G	9	CC605	B	1	CCL09	I	11	CCY27	D	5
C513	I	7	CA23	I	6	CC606	B	1	CCL11	I	11	CCY31	F	6
C516	I	9	CA24	J	7	CC607	B	1	CCL20	D	3	CCY32	F	6
C520	G	9	CA25	K	6	CC608	B	1	CCL21	C	3	CCY35	E	5
C521	G	9	CA26	J	6	CC612	B	1	CCL22	C	3	CCY37	E	5
C522	G	9	CA60	K	5	CC619	B	1	CCL23	C	3	CCY46	F	4
C523	I	9	CA62	J	5	CC620	A	3	CCL24	C	3	CCY47	F	4
C542	K	9	CA63	J	5	CC621	A	3	CCL26	C	3	CCY48	E	4
C543	K	9	CA65	I	5	CC701	D	11	CCL27	C	3	CCY50	G	4
C544	J	9	CA66	J	6	CC703	C	9	CCL28	C	3	CCY51	G	4
C547	I	9	CA67	C	2	CC705	C	9	CCL30	C	3	CCY52	G	4
C549	I	3	CA68	B	3	CC708	C	9	CCL31	B	3	CCY54	G	4
C551	I	2	CA69	E	3	CC710	C	9	CCL32	C	3	CCY55	G	4
C552	H	11	CA70	I	6	CC712	B	9	CCL33	C	3	CCY56	G	5
C570	I	1	CC103	K	10	CC713	B	9	CCL36	C	3	CCY57	G	5
C584	J	11	CC104	J	10	CC715	I	6	CCL39	C	3	CCY60	F	4
C609	A	4	CC105	J	10	CC716	J	5	CCL40	C	4	CL05	I	10
C611	B	2	CC106	J	10	CC717	H	11	CCL41	C	3	CL06	I	10
C613	C	1	CC150	I	2	CC719	A	10	CCL50	J	3	CL10	I	10
C614	D	1	CC153	J	2	CC720	B	9	CCL51	J	3	CL12	H	10
C615	A	4	CC154	J	2	CC721	B	10	CCL52	J	3	CL13	I	11
C616	D	1	CC155	J	2	CC722	B	10	CCL53	J	3	CL25	C	3
C617	C	1	CC156	I	4	CC724	B	9	CCL56	J	4	CL29	C	2
C618	C	1	CC157	J	2	CC726	B	9	CCN07	C	8	CL34	C	4
C620	B	1	CC158	J	2	CC727	B	9	CCN14	C	7	CL35	C	3
C702	D	11	CC159	J	4	CC728	C	10	CCN29	G	7	CL37	D	4
C704	B	8	CC160	D	4	CC730	B	11	CCN30	F	8	CL38	D	3
C706	B	8	CC161	I	4	CC732	C	10	CCN32	C	5	CL54	K	4
C707	B	8	CC162	I	3	CC734	B	9	CCP01	E	4	CL55	J	5

COORDINATES OF MAIN PCB

Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y
CL57	K	3	CU12	G	6	CY53	G	4	DL01	J	11	L603	B	1
CN01	E	8	CU13	G	6	CY54	F	4	DL50	J	3	L605	D	1
CN02	D	11	CU14	G	6	CY58	G	4	DN01	B	3	L701	B	3
CN03	E	1	CU15	G	7	CY59	G	5	DN02	B	4	L703	B	8
CN04	E	9	CU16	G	3	CY65	G	7	DN03	D	6	L704	B	8
CN08	C	8	CU17	G	3	CY66	D	5	DN05	E	11	L705	C	11
CN09	D	9	CU18	F	2	CY70	G	8	DN06	B	3	LA01	A	1
CN10	D	9	CU19	G	2	D101	J	11	DN07	F	10	LA02	K	7
CN12	D	7	CU21	E	4	D102	K	9	DN70	B	3	LA03	K	7
CN13	D	8	CU22	F	4	D103	J	11	DN71	C	8	LA04	E	3
CN15	C	7	CU23	F	4	D150	J	1	DQ01	A	11	LA05	G	9
CN16	E	11	CU24	F	3	D151	J	2	DQ02	A	4	LA06	K	6
CN17	F	11	CU25	F	4	D152	I	5	DU01	F	2	LA60	K	6
CN18	F	11	CU26	F	3	D153	I	5	DY01	F	7	LL01	I	11
CN19	F	11	CY01	G	8	D502	I	8	DY02	D	4	LL20	C	3
CN20	D	7	CY02	G	8	D503	H	8	DY03	F	3	LL21	C	4
CN21	D	7	CY03	G	7	D504	I	8	I151	J	4	LL50	K	4
CN22	D	7	CY05	G	8	D505	I	8	I601	C	1	LP01	D	4
CN23	C	5	CY06	F	7	D506	I	8	I701	D	9	LP02	D	4
CN24	C	5	CY07	G	6	D570	I	2	I702	D	11	LU01	G	3
CN25	C	5	CY10	F	7	D571	I	2	IA01	E	2	LU02	F	2
CN26	C	6	CY16	H	3	D601	B	6	IA03	G	9	LU03	E	4
CN27	C	6	CY17	F	7	D602	A	6	IA60	J	5	LU04	H	6
CN28	F	8	CY18	C	5	D701	C	10	ICN01	E	8	LY01	G	7
CN29	F	8	CY19	C	5	D703	H	5	ICN05	C	9	LY02	F	8
CN31	F	8	CY20	C	5	D704	K	6	ICP01	E	5	LY03	D	6
CN33	C	5	CY21	D	5	D705	F	10	ICY01	F	6	LY04	E	5
CN34	C	5	CY22	D	5	D706	F	10	IL01	I	10	LY05	E	5
CN35	C	5	CY23	D	5	D707	F	10	IL20	C	3	LY06	F	3
CN36	C	8	CY24	D	5	D708	F	10	IL50	K	4	M391	H	2
CN37	C	7	CY26	D	5	D709	B	7	IN02	E	11	M392	H	11
CN70	B	7	CY28	D	5	D710	A	6	IN03	C	7	P101	K	5
CN71	A	7	CY29	E	6	D711	B	11	IN04	F	9	P170	K	11
CP02	E	4	CY30	D	6	DA01	A	2	INS2	A	11	P501	H	9
CP04	E	4	CY33	E	5	DA02	A	2	IQ01	A	7	P502	J	9
CP07	D	4	CY34	F	5	DA03	A	1	JA01	A	2	P601	B	1
CP09	D	5	CY36	F	6	DA04	K	8	JS01	K	7	PA101	K	10
CP10	G	3	CY38	F	5	DA05	K	8	L103	K	11	PA104	K	2
CQ03	A	7	CY39	E	5	DA06	K	8	L152	J	2	PA105	J	1
CU01	G	3	CY40	F	5	DA07	K	8	L153	I	4	PA801	K	2
CU02	G	3	CY41	E	5	DA11	K	8	L154	I	5	PA802	K	3
CU03	G	3	CY42	F	4	DA12	K	7	L155	I	5	PA803	J	8
CU04	G	3	CY43	E	4	DA13	K	7	L156	J	4	PA901	I	8
CU05	G	5	CY44	F	4	DA14	K	6	L157	J	3	PAY01	H	7
CU08	G	5	CY45	F	4	DA15	H	6	L501	I	9	PAY04	G	1
CU10	F	3	CY49	E	3	DC154	I	5	L602	B	1	PN02	H	8

COORDINATES OF MAIN PCB

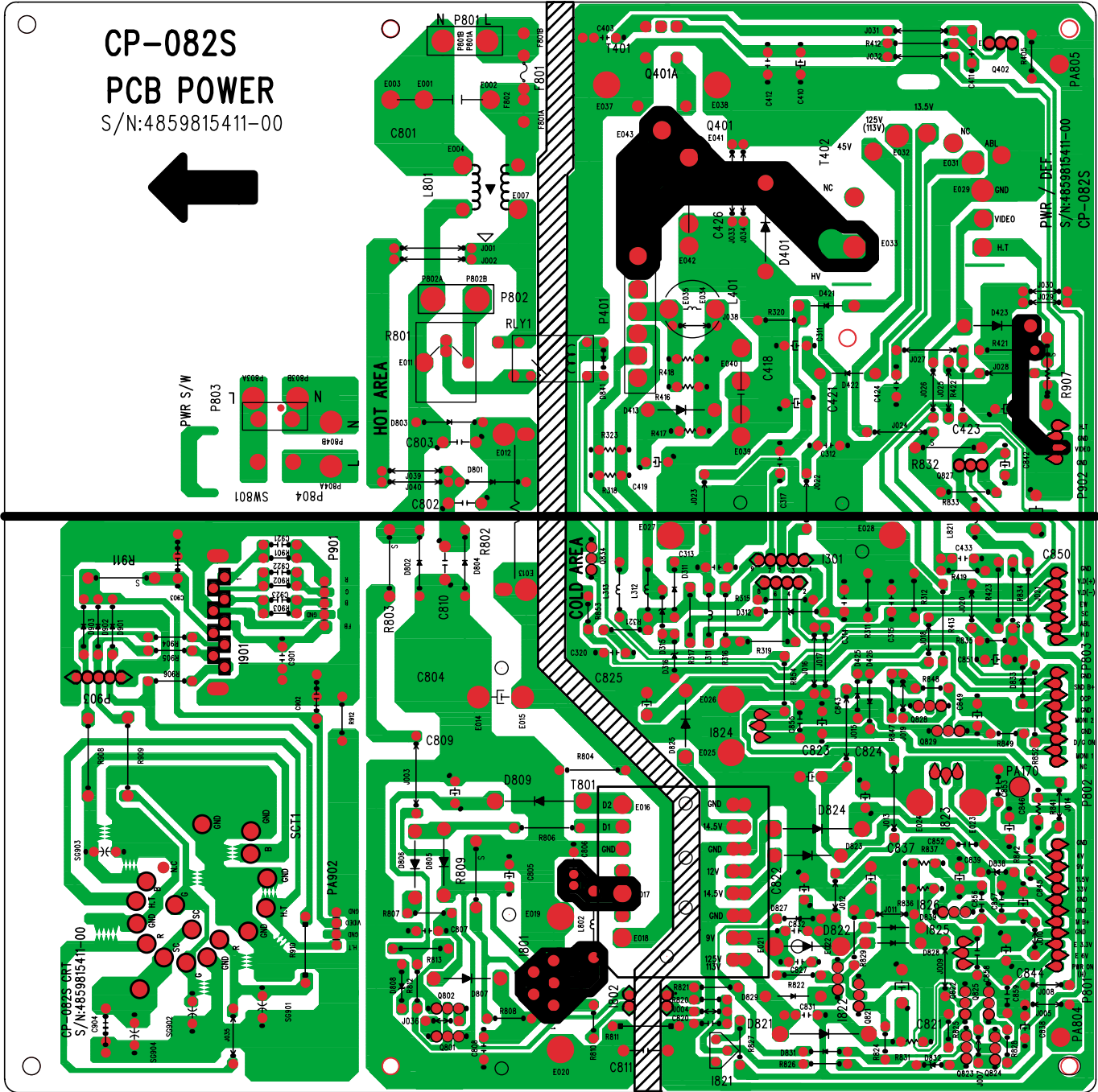
Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y
PN03	D	10	QCL52	J	3	R556	J	8	RA49	F	10	RC704	C	9
PNA01	G	11	QCN01	C	6	R560	J	9	RA51	D	2	RC705	C	9
PY02	G	5	QCP01	E	5	R561	J	9	RC105	K	10	RC706	C	9
PY03	H	4	QCY01	G	7	R570	I	1	RC150	J	2	RC707	C	9
Q570	I	2	QCY02	F	7	R601	A	2	RC151	K	9	RC708	C	9
Q705	H	11	QCY03	F	7	R602	C	1	RC154	I	2	RC713	B	9
Q710	A	11	QCY04	E	6	R610	I	7	RC156	J	4	RC718	F	9
Q712	D	10	QCY05	E	5	R611	K	4	RC157	K	4	RC719	I	6
Q713	D	10	QCY06	E	3	R701	D	10	RC160	J	4	RC721	I	6
QA12	E	3	QL02	I	11	R709	D	10	RC161	J	3	RC722	D	10
QA13	D	3	QQ01	A	3	R710	D	10	RC162	J	4	RC723	C	10
QA14	G	10	QQ02	A	3	R711	B	11	RC164	I	5	RC725	I	3
QC150	I	3	QU01	G	4	R714	B	9	RC165	H	4	RC726	H	11
QC151	K	5	QU02	F	3	R715	B	8	RC167	I	4	RC727	H	11
QC152	J	4	QU03	F	2	R716	B	9	RC168	I	5	RC728	H	11
QC153	I	5	QU04	F	3	R717	H	6	RC169	J	5	RC732	B	8
QC503	I	9	QU05	F	2	R720	H	6	RC174	J	3	RC736	B	9
QC504	I	10	QU06	F	2	R729	H	3	RC175	J	3	RC738	C	9
QC506	H	9	QU07	F	2	R730	B	10	RC176	J	3	RC740	C	9
QC507	H	11	QY50	G	4	R731	B	10	RC178	J	4	RC742	C	9
QC509	J	8	R101	K	11	R733	B	11	RC179	I	5	RC744	C	9
QC601	A	6	R102	K	11	R734	B	11	RC180	I	5	RC745	C	9
QC603	A	6	R104	K	10	R735	C	10	RC516	I	8	RC752	C	10
QC604	A	6	R106	J	11	R737	C	10	RC517	I	9	RC753	B	10
QC605	C	11	R107	K	11	R739	C	10	RC518	I	8	RCA02	A	2
QC701	B	10	R153	K	2	R741	C	10	RC532	I	10	RCA03	K	6
QC702	I	6	R155	I	3	R743	C	10	RC534	I	10	RCA04	K	6
QC703	I	6	R157	K	4	R747	A	11	RC540	J	8	RCA05	K	6
QC704	I	6	R158	I	3	R748	A	11	RC541	J	8	RCA15	B	2
QC706	I	3	R159	I	3	R749	B	11	RC542	J	8	RCA19	E	2
QC707	A	10	R163	I	5	R752	K	2	RC548	H	10	RCA20	E	3
QC708	B	10	R166	I	4	R753	B	8	RC549	H	10	RCA22	E	1
QC711	B	8	R170	J	5	RA01	A	1	RC550	H	10	RCA23	E	1
QCA01	D	3	R171	K	5	RA09	H	6	RC551	H	10	RCA24	E	1
QCA02	B	2	R172	J	5	RA10	D	3	RC557	J	8	RCA25	B	3
QCA03	E	2	R173	I	3	RA11	D	3	RC558	J	8	RCA26	B	3
QCA04	E	1	R180	J	1	RA12	D	3	RC559	J	8	RCA27	B	3
QCA05	B	3	R181	J	1	RA13	D	3	RC603	C	1	RCA35	C	2
QCA09	J	6	R510	J	9	RA14	B	2	RC604	B	6	RCA36	J	6
QCA10	J	6	R511	J	9	RA16	B	2	RC605	A	6	RCA37	J	6
QCA11	J	6	R525	J	8	RA17	C	2	RC606	A	6	RCA38	J	6
QCL01	J	10	R531	K	9	RA18	E	2	RC607	A	6	RCA40	J	6
QCL20	B	3	R533	K	9	RA34	D	3	RC608	A	6	RCA41	J	6
QCL21	C	4	R535	H	10	RA39	J	7	RC609	D	10	RCA42	J	6
QCL22	C	3	R545	H	8	RA43	J	6	RC670	D	1	RCA44	F	10
QCL23	C	4	R546	H	8	RA46	F	10	RC702	D	10	RCA45	F	10
QCL50	J	3	R547	H	1	RA47	F	10	RC703	C	9	RCA48	F	10

COORDINATES OF MAIN PCB

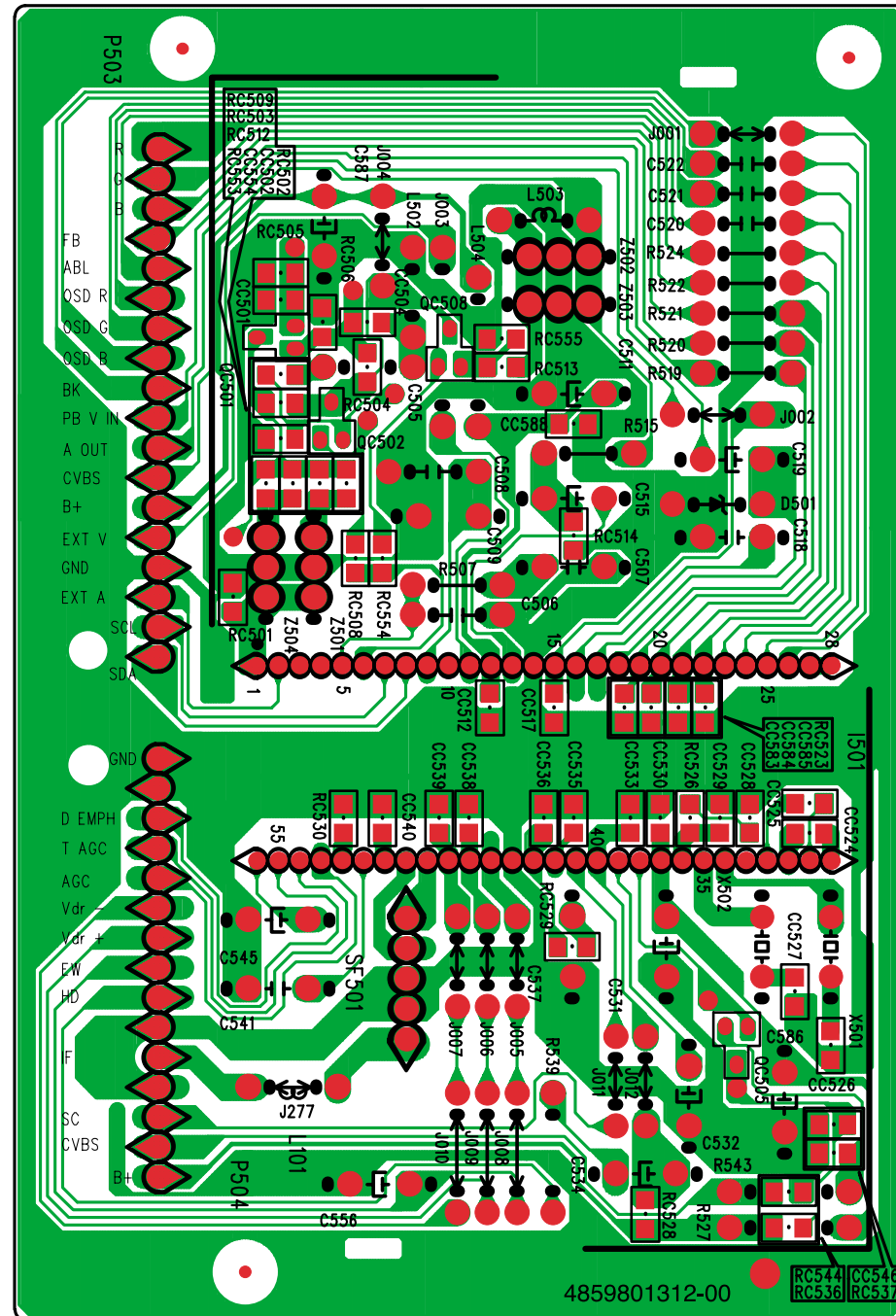
Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y	Loc	x	y
RCA50	F	10	RCN26	D	8	RCU34	F	3	RN38	B	5	RY25	E	5
RCA52	J	6	RCN34	C	4	RCU37	E	3	RN39	B	5	RY28	F	5
RCA53	D	2	RCN35	C	4	RCY06	G	7	RN40	B	5	RY29	E	4
RCA54	D	2	RCN36	C	8	RCY08	G	7	RN42	B	5	RY30	E	4
RCA55	G	10	RCN37	C	8	RCY09	G	7	RN43	B	5	RY31	E	4
RCL01	J	10	RCN41	G	7	RCY10	G	7	RN50	H	2	RY32	E	3
RCL02	J	10	RCN44	D	7	RCY11	G	7	RN51	H	1	S706	A	6
RCL03	J	10	RCN45	D	7	RCY12	F	7	RP02	E	6	S708	A	11
RCL04	J	10	RCN46	H	8	RCY13	F	7	RP03	E	6	S711	K	5
RCL05	J	10	RCN47	E	7	RCY14	F	7	RQ06	A	10	SF150	J	3
RCL06	J	10	RCN48	E	7	RCY18	E	7	RQ07	A	7	SFL01	J	11
RCL07	J	11	RCN49	C	4	RCY22	C	5	RQ08	A	10	SFL50	K	3
RCL08	J	11	RCN52	F	9	RCY26	F	4	RQ10	A	4	SN01	D	11
RCL24	C	2	RCN53	A	4	RCY27	F	4	RQ11	A	5	SN02	D	1
RCL25	B	3	RCN54	E	9	RCY50	G	4	RQ12	A	6	SN03	C	4
RCL26	B	3	RCN55	E	9	RCY51	G	5	RQ13	A	6	SN04	C	8
RCL27	C	3	RCN70	F	8	RCY52	G	4	RQ15	A	8	SW02	A	5
RCL28	C	3	RCP01	D	5	RCY53	G	4	RQ16	A	8	SW03	A	5
RCL29	B	3	RCP04	E	4	RCY54	G	3	RQ17	A	9	SW04	A	6
RCL30	C	4	RCP05	E	4	RCY55	F	4	RQ18	A	9	SW06	A	6
RCL31	C	4	RCP06	E	5	RCY56	G	4	RQ21	A	3	SW07	A	10
RCL32	B	4	RCP07	E	5	RCY57	G	4	RQ22	A	3	SW08	A	4
RCL33	C	4	RCQ02	A	4	RCY58	G	4	RU07	G	5	SW10	A	8
RCL50	J	3	RCQ03	A	4	RCY59	F	5	RU11	G	3	SW11	A	8
RCL51	J	3	RCQ05	B	8	RL09	G	11	RU19	G	6	SW12	A	9
RCL52	J	3	RCU01	G	4	RL10	H	11	RU20	F	2	SW13	A	9
RCL53	J	3	RCU02	G	4	RL20	C	3	RU21	F	2	SWN01	B	3
RCL54	J	3	RCU03	G	3	RL21	C	3	RU28	F	2	TP01	I	2
RCL55	K	3	RCU04	G	4	RL22	D	3	RU29	F	3	TU01	F	2
RCL56	J	3	RCU06	G	5	RL23	D	3	RU30	F	4	U101	K	10
RCL60	J	4	RCU07	H	4	RN03	E	8	RU32	H	5	U150	K	2
RCL61	J	4	RCU08	G	5	RN04	D	11	RU35	E	2	X701	B	10
RCL62	K	3	RCU09	G	5	RN05	C	4	RU36	F	3	X702	C	9
RCN01	F	9	RCU12	G	6	RN06	D	1	RY01	E	7	XL20	C	2
RCN02	F	9	RCU13	F	3	RN09	E	9	RY02	E	7	XN01	D	9
RCN11	D	10	RCU14	G	6	RN10	E	9	RY03	G	8	XY01	F	5
RCN12	E	9	RCU15	G	6	RN13	E	9	RY04	G	8	Z151	I	3
RCN15	E	10	RCU16	G	6	RN14	C	7	RY05	G	8	Z152	I	4
RCN16	E	10	RCU17	G	6	RN20	D	9	RY07	F	7	Z153	I	4
RCN17	E	10	RCU18	G	7	RN27	E	10	RY15	F	7	Z154	I	5
RCN18	E	10	RCU22	G	3	RN28	E	10	RY16	F	7			
RCN19	D	10	RCU23	G	2	RN29	E	11	RY17	F	7			
RCN21	D	9	RCU24	F	3	RN30	E	11	RY19	G	8			
RCN22	D	9	RCU25	F	2	RN30A	E	11	RY20	G	8			
RCN23	D	9	RCU26	F	2	RN31	B	7	RY21	G	8			
RCN24	C	8	RCU27	F	2	RN32	B	7	RY23	D	5			
RCN25	D	8	RCU31	F	4	RN33	C	7	RY24	E	6			

PRINTED CIRCUIT BOARD

2. POWER PCB



3. IF PCB



SERVICE PART LIST

Caution ⚠ is a safety component, so the same component must be used.

Ⓡ is a recommended part for stock.

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
ZZ110	PTACPWA884	ACCESSORY AS	DVT-14R7UBF-S		M721	4857248900	SHIELD TOP	SECC T0.8	
00010	4850Q01510	BATTERY	R03SB-P2		M721A	7172401612	SCREW TAPPING	TT2 TRS 4X16 MFZN BK	
M821	4858213801	BAG INSTRUCTION	L. D. P. E. TO. 05X250X40		M722	4857243000	SHIELD BOTTOM	SECC-O T0.5	
ZZ100	48BRM25404	TRANSMITTER REMOCON	RM-25404 (AAA)	Ⓡ	M722A	7178301011	SCREW TAPPING	TT2 WAS 3X10 MFZN	
ZZ120	PTBCSHA878	COVER BACK AS	DVT-14R7FBF-S	Ⓡ	M722B	7178301011	SCREW TAPPING	TT2 WAS 3X10 MFZN	
M211	4852164800	COVER BACK	14R7 FR HIPS GY		P101	4859231620	CONN WAFER	YW025-03	
M541	4855420800	S/PLATE	DVT-14R7FB		P501	4859281320	CONN WAFER	TAC-L18X-A3	
M781	4857817610	CLOTH BLACK	300 MM 20		P502	4859281020	CONN WAFER	TAC-L15X-A3	
ZZ130	PTPKCPA878	PACKING AS	DVT-14R7FBF-S		P601	4859231620	CONN WAFER	YW025-03	
10	6520010200	STAPLE PIN	#3417 ALL		PA801	4850712V11	CONNECTOR	YH025-12+YST025+ULW=200	
M811	485819A200	PAD	14R7 EPS		PA802	4850709S01	CONNECTOR	YH025-09+YST025+ULW=200	
M822	4858215701	BAG LAMINATED	1000X950 (U.K)		PA803	4850707S01	CONNECTOR	YH025-07+YST025+ULW=200	
ZZ140	PTCACAA884	CABINET AS	DVT-14R7UBF-S	Ⓡ	PA901	4850705N21	CONN AS	YH025-05+YBNH250-05USW400	
M191A	7178301011	SCREW TAPPING	TT2 WAS 3X10 MFZN		PAY01	4850706V10	CONNECTOR	60-8283-3068-45+UAW=150	
M201A	4856013350	SCREW CRT FIXING AS	25X80BK		PAY04	4850702V07	CONNECTOR	BIC-02H-20T+USW=100	
M201B	4856013351	SCREW CRT FIXING AS	25X140YL		PN02	4859292320	CONN WAFER	GF120-07S-TS	
M201C	4856219502	WASHER RUBBER	CR T2.0 BLACK		PN02A	4859200270	CONN FFC	K-7X140-0.25	
M211A	7172401612	SCREW TAPPING	TT2 TRS 4X16 MFZN BK		PN03	4859278220	CONN WAFER	TAC-L15X-A1	
M231	4851952001	PANEL FRONT AS	2329700+5939001 14/21R7	Ⓡ	PNA01	4850707V03	CONN AS	60-8283-3078-45+ULW=100	
M281A	4856723400	SPRING	SWPB 0.4		PY02	4859292220	CONN WAFER	GF120-04S-TS-R	
M481	4854867200	BUTTON POWER	14/21R7 HIPS GY	Ⓡ	PY03	4859232020	CONN WAFER	YW025-07	
M481A	4856715600	SPRING	14A5 SWPA		RN30	RS02Y399JS	R M-OXIDE FILM	2W 3.9 OHM J SMALL	
M491	4854958500	BUTTON CH	14/21R7 HIPS GY	Ⓡ	SF150	5PJ1981M	FILTER SAW	J1981M	
M561	4855624400	MARK BRAND	ABS GY		SN01	TST5811B	TR PHOTO	ST-5811 (B RANK)	
PWC1	4859905110	CORD POWER	5A UK 14-LO-F (LOMAX)		SN01A	97P2343500	HOLDER TR	ABS FR	
SP01A	4856013600	SCREW SPKR FIX	SWRM+SECC		SN02	TST5811B	TR PHOTO	ST-5811 (B RANK)	
V901	4859606240C	CRT (PHILIPS 14)	A34EAC01X17	⚠	SN02A	97P2343500	HOLDER TR	ABS FR	
ZZ131	48519A4710	CRT GROUND AS	14A3		SN03	4850S00001	SENSOR REEL	SG-258S	
ZZ132	58G0000084	COIL DEGAUSSING	14 DC-1450		SN04	4850S00001	SENSOR REEL	SG-258S	
ZZ200	PTFMSJA878	MASK FRONT AS	DVT-14R7FBF-S	Ⓡ	SWN01	5SN0101Z20	SW DETECT	JDS1105-6X	
M201	4852086500	MASK FRONT	14R7 FR HIPS GY		TU01	5800000032	COIL OSC	DE0-006	
ZZ202	PTSPPPWA878	SPEAKER AS	DVT-14R7FBF-S		U101	4859722830	TUNER VARACTOR	TECC2949PS35D	Ⓡ
PA601	4850703550	CONN AS	YH025-03+3509=200		U101A	4850701S01	CONNECTOR	RINGTERA.3+YPT018+ULW=100	
SP01	48A8306000	SPEAKER	SS-5070A01 3W 8 OHM	Ⓡ	U150	4859723430	TUNER VARACTOR	UV1316/APG-3	Ⓡ
ZZ290	PTMPMSA884	PCB MAIN MANUAL AS	DVT-14R7UBF-S		U150A	4859004650	PLUG PHONE AS	PLUG+CABLE1365 AWG26=250B	
C177	CEXF1C222V	C ELECTRO	16V RSS 2200MF(13X25)TP		X702	5XYR03276C	CRYSTAL QUARTZ	S0-38 32.768000KHZ 20PPM	
C549	CEXF1C222V	C ELECTRO	16V RSS 2200MF(13X25)TP		XN01	5XJ16R000E	CRYSTAL QUARTZ	HC-495 16.000000MHZ 30PPM	
C551	CEXF1C222V	C ELECTRO	16V RSS 2200MF(13X25)TP		ZZ200	PTMPJJA884	PCB CHIP MOUNT B AS	PCB CHIP MOUNT B AS	
C570	CEXF1C222V	C ELECTRO	16V RSS 2200MF(13X25)TP		CC150	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
DN03	DS15312H	LED IR	SI5312-H		CC156	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
DN03A	97P2339600	HOLDER IR	ABS		CC157	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
DQ01	DLH2PR5MH3	LED HOLDER AS	LH-2P-5M-H3		CC159	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
DQ02	DLH2PR5MH3	LED HOLDER AS	LH-2P-5M-H3		CC160	HCBK181JCA	C CHIP CERA	50V CH 180PF J 2012	
I151	1TDA9800	IC	TDA9800	Ⓡ	CC161	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 20	
I601	1TDA8943SF	IC AUDIO AMP	TDA8943SF	Ⓡ	CC162	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 20	
I601A	4857018902	HEAT SINK	A1050P-H24		CC163	HCBK223KCA	C CHIP CERA	50V X7R 0.022MF K 2012	
I601B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN		CC165	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
I701	1SDA555XFL	IC MICOM OTP	SDA555XFL	Ⓡ	CC167	HCBK560JCA	C CHIP CERA	50V CH 56PF J 2012	
I702	1AT24C16PC	IC MEMORY	AT24C16-10PC	Ⓡ	CC169	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
IA01	1TC4053BP-	IC	TC4053BP	Ⓡ	CC170	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
IA03	1TC4066BP-	IC	TC4066BP	Ⓡ	CC172	HCBK809DCA	C CHIP CERA	50V CH 8PF D 2012	
IA60	1TC4053BP-	IC	TC4053BP	Ⓡ	CC514	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
IN02	1KIA6801K-	IC MOTOR DRIVER	KIA6801K	Ⓡ	CC545	HCBK392KCA	C CHIP CERA	50V X7R 3900PF K 2012	
IQ01	1TSOP2238P	IC PREAMP	TSOP2238PM1	Ⓡ	CC548	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
JA01	4859109950	JACK PIN BOARD	PH-JB-9710A		CC552	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
JS01	4859200401	SOCKET RGB	SR-21A1 (ANGLE TYPE)		CC576	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
L155	58B0000S88	COIL PIF	TRF-7780A (STICK)		CC581	HCBK222KCA	C CHIP CERA	50V X7R 2200PF K 2012	
M041	97P0475800	CASE SHI PREAMP	ET T0.4		CC582	HCBK222KCA	C CHIP CERA	50V X7R 2200PF K 2012	
M191	4851942300	DECK AS	DRP-9200N	Ⓡ	CC602	HCBK562KCA	C CHIP CERA	50V X7R 5600PF K 2012	
M191A	7172401612	SCREW TAPPING	TT2 TRS 4X16 MFZN BK		CC619	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
M191B	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK		CC620	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
M191C	97P0919100	PLATE EARTH AB	SUS 304 CSP T=0.2		CC621	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
M191D	7278300611	SCREW TAPPTITE	TP3 WAS 3X6		CC703	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
M381	4853818100	FRAME MAIN PCB	FR HIPS BK		CC705	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
M381A	7178301011	SCREW TAPPING	TT2 WAS 3X10 MFZN		CC708	HCBK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
M391	4853948400	BRKT EARTH	C5212P-1/2M T0.15		CC710	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC712	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QC704	T2SC2412KB	TR CHIP	2SC2412KB	
CC713	HQCK221JCA	C CHIP CERA	50V CH 220PF J 2012		QC707	T2SC2412KB	TR CHIP	2SC2412KB	
CC722	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QC708	T2SC2412KB	TR CHIP	2SC2412KB	
CC724	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QC711	T2SC2412KB	TR CHIP	2SC2412KB	
CC726	HQCK330JCA	C CHIP CERA	50V CH 33PF J 2012		QCA01	T2SA1037KB	TR CHIP	2SA1037KB	
CC727	HQCK330JCA	C CHIP CERA	50V CH 33PF J 2012		QCA02	T2SA1037KB	TR CHIP	2SA1037KB	
CC728	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QCA03	T2SA1037KB	TR CHIP	2SA1037KB	
CC730	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QCA04	T2SC2412KB	TR CHIP	2SC2412KB	
CC734	HQCK221JCA	C CHIP CERA	50V CH 220PF J 2012		QCA05	T2SC2412KB	TR CHIP	2SC2412KB	
CC735	HQCK151JCA	C CHIP CERA	50V CH 150PF J 2012		QCA09	T2SA1037KB	TR CHIP	2SA1037KB	
CC736	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QCA10	T2SC2412KB	TR CHIP	2SC2412KB	
CCA01	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		QCA11	T2SC2412KB	TR CHIP	2SC2412KB	
CCA02	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		QCN01	T2SC2412KB	TR CHIP	2SC2412KB	
CCA03	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		QCP01	T2SA1037KB	TR CHIP	2SA1037KB	
CCA04	HQCK471JCA	C CHIP CERA	50V CH 470PF J 2012		QCY01	TKTC3121-B	TR CHIP	KTC3121-B	
CCA05	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		QCY02	T2SC2412KB	TR CHIP	2SC2412KB	
CCA07	HQCK561JCA	C CHIP CERA	50V CH 560PF J 2012		QCY03	T2SA1037KB	TR CHIP	2SA1037KB	
CCA18	HQCK101JCA	C CHIP CERA	50V CH 100PF J 2012		QCY04	T2SA1037KB	TR CHIP	2SA1037KB	
CCN07	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QCY05	T2SC2412KB	TR CHIP	2SC2412KB	
CCN14	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QCY06	T2SC2412KB	TR CHIP	2SC2412KB	
CCN29	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012		RC150	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
CCN30	HCBK182KCA	C CHIP CERA	50V X7R 1800PF K 2012		RC151	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
CCN32	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC154	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012	
CCP01	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC156	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012	
CCP03	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012		RC160	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012	
CCP05	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC161	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
CCQ01	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC162	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
CCU06	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC164	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
CCU09	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC165	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
CCU11	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC167	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
CCU20	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC168	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
CCU27	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012		RC169	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
CCY04	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC174	HRFT154JCA	R CHIP	1/10 150K OHM J 2012	
CCY08	HQCK509DCA	C CHIP CERA	50V CH 5PF D 2012		RC175	HRFT753JCA	R CHIP	1/10 75K OHM J 2012	
CCY09	HQCK391JCA	C CHIP CERA	50V CH 390PF J 2012		RC176	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
CCY11	HQCK221JCA	C CHIP CERA	50V CH 220PF J 2012		RC178	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
CCY15	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC179	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
CCY25	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC516	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
CCY27	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC517	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
CCY31	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC518	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
CCY32	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC532	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
CCY35	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC534	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
CCY37	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC540	HRFT303JCA	R CHIP	1/10 30K OHM J 2012	
CCY46	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC541	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
CCY47	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012		RC542	HRFT273JCA	R CHIP	1/10 27K OHM J 2012	
CCY48	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		RC548	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
CCY50	HQCK510JCA	C CHIP CERA	50V CH 51PF J 2012		RC549	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012	
CCY51	HQCK300JCA	C CHIP CERA	50V CH 30PF J 2012		RC550	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
CCY52	HQCK300JCA	C CHIP CERA	50V CH 30PF J 2012		RC551	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
CCY54	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC557	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
CCY60	HCfk104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		RC558	HRFT751JCA	R CHIP	1/10 750 OHM J 2012	
ICN01	1MS777GE2Q	IC CHIP MICOM	MS3777M7H-GE2(705GP)	®	RC559	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012	
ICP01	1LC74793	IC VPS	LC74793JM	®	RC603	HRFT362JCA	R CHIP	1/10 3.6K OHM J 2012	
ICY01	1LA71598MQ	IC CHIP Y/C	LA71598SM		RC604	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC150	T2SA1037KB	TR CHIP	2SA1037KB		RC605	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC152	T2SC2412KB	TR CHIP	2SC2412KB		RC606	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
QC153	T2SC2412KB	TR CHIP	2SC2412KB		RC607	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
QC503	T2SA1037KB	TR CHIP	2SA1037KB		RC608	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QC504	T2SC2412KB	TR CHIP	2SC2412KB		RC609	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC506	T2SA1037KB	TR CHIP	2SA1037KB		RC670	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
QC507	T2SC2412KB	TR CHIP	2SC2412KB		RC702	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC509	T2SC2412KB	TR CHIP	2SC2412KB		RC703	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC601	T2SC2412KB	TR CHIP	2SC2412KB		RC704	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC603	T2SA1037KB	TR CHIP	2SA1037KB		RC705	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC604	T2SC2412KB	TR CHIP	2SC2412KB		RC706	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC605	T2SC2412KB	TR CHIP	2SC2412KB		RC707	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
QC701	T2SC2412KB	TR CHIP	2SC2412KB		RC708	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC702	T2SC2412KB	TR CHIP	2SC2412KB		RC713	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
QC703	T2SA1037KB	TR CHIP	2SA1037KB		RC718	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC719	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCQ03	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RC721	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RCQ05	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC732	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCU01	HRFT124JCA	R CHIP	1/10 120K OHM J 2012	
RC742	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCU02	HRFT124JCA	R CHIP	1/10 120K OHM J 2012	
RC744	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCU03	HRFT821JCA	R CHIP	1/10 820 OHM J 2012	
RC752	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCU04	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC753	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCU06	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RCA02	HRFT393JCA	R CHIP	1/10 39K OHM J 2012		RCU07	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RCA03	HRFT753JCA	R CHIP	1/10 75K OHM J 2012		RCU08	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA04	HRFT824JCA	R CHIP	1/10 820K OHM J 2012		RCU09	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RCA05	HRFT753JCA	R CHIP	1/10 75K OHM J 2012		RCU12	HRFT123JCA	R CHIP	1/10 12K OHM J 2012	
RCA15	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCU13	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RCA19	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCU14	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012	
RCA20	HRFT821JCA	R CHIP	1/10 820 OHM J 2012		RCU15	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA22	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCU16	HRFT334JCA	R CHIP	1/10 330K OHM J 2012	
RCA23	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCU17	HRFT151JCA	R CHIP	1/10 150 OHM J 2012	
RCA24	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCU18	HRFT273JCA	R CHIP	1/10 27K OHM J 2012	
RCA25	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCU22	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RCA26	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCU23	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RCA27	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCU24	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RCA35	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCU25	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA36	HRFT333JCA	R CHIP	1/10 33K OHM J 2012		RCU26	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA37	HRFT153JCA	R CHIP	1/10 15K OHM J 2012		RCU27	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA38	HRFT391JCA	R CHIP	1/10 390 OHM J 2012		RCU31	HRFT684JCA	R CHIP	1/10 680K OHM J 2012	
RCA40	HRFT683JCA	R CHIP	1/10 68K OHM J 2012		RCU34	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RCA41	HRFT683JCA	R CHIP	1/10 68K OHM J 2012		RCU37	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA42	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012		RCY06	HRFT122JCA	R CHIP	1/10 1.2K OHM J 2012	
RCA44	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		RCY08	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
RCA45	HRFT151JCA	R CHIP	1/10 150 OHM J 2012		RCY09	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012	
RCA48	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		RCY10	HRFT201JCA	R CHIP	1/10 200 OHM J 2012	
RCA50	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		RCY11	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RCA52	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY12	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RCA53	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY13	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RCA54	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY14	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCA55	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY18	HRFT563JCA	R CHIP	1/10 56K OHM J 2012	
RCN01	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY26	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
RCN02	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY27	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012	
RCN11	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY50	HRFT511JCA	R CHIP	1/10 510 OHM J 2012	
RCN12	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY52	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN15	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY53	HRFT363JCA	R CHIP	1/10 36K OHM J 2012	
RCN16	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY54	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RCN17	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY55	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RCN18	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY56	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RCN19	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RCY59	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCN21	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		Z2200	PTMPJRA884	PCB MAIN RADIAL AS	DVT-14R7UBF-S	
RCN22	HRFT105JCA	R CHIP	1/10 1M OHM J 2012		C102	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
RCN23	HRFT511JCA	R CHIP	1/10 510 OHM J 2012		C105	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3*11) TP	
RCN24	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C107	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
RCN25	HRFT106JCA	R CHIP	1/10 10M OHM J 2012		C151	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
RCN26	HRFT104JCA	R CHIP	1/10 100K OHM J 2012		C156	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
RCN34	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		C157	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3*11) TP	
RCN35	HRFT273JCA	R CHIP	1/10 27K OHM J 2012		C164	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
RCN36	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		C166	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
RCN37	HRFT273JCA	R CHIP	1/10 27K OHM J 2012		C173	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
RCN41	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012		C174	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
RCN44	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C176	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCN45	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C500	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCN46	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012		C503	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP	
RCN47	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		C510	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
RCN48	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		C513	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
RCN49	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		C516	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
RCN52	HRFT474JCA	R CHIP	1/10 470K OHM J 2012		C523	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
RCN53	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C542	CEXD1H109F	C ELECTRO	50V RND 1MF (5*11) TP	
RCP01	HRFT391JCA	R CHIP	1/10 390 OHM J 2012		C544	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
RCP04	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C547	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
RCP05	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		C552	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP	
RCP06	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012		C584	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
RCP07	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C609	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	
RCQ02	HRFT561JCA	R CHIP	1/10 560 OHM J 2012		C611	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
C613	CMXL1J224J	C MYLAR	63V MEU 0.22MF J TP		CY02	CMXM2A473J	C MYLAR	100V 0.047MF J TP	
C614	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		CY03	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C615	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		CY05	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C616	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP		CY10	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	
C617	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		CY16	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C618	CMXL1J224J	C MYLAR	63V MEU 0.22MF J TP		CY17	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7	
C620	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP		CY18	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	
C702	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		CY21	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C704	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CY24	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP	
C706	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CY26	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C709	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CY28	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	
C729	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY29	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA08	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY30	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA09	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		CY36	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
CA10	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY38	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
CA11	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY40	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA12	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY42	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA13	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		CY43	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
CA14	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		CY44	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA15	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		CY45	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
CA16	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		CY53	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
CA20	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		CY58	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7	
CA21	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CY59	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
CA22	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		IN03	1K1A7033AP	IC RESET	KIA7033AP	
CA23	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		IN04	1K1A7042AP	IC REGULATOR	KIA7042AP	
CA24	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		LU01	5CPX103J	COIL PEAKING	10MH 5MM J RADIAL	
CA25	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		Q570	TKTC3205Y-	TR	KTC3205Y	
CA26	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		Q710	T2SA1980Y-	TR	2SA1980Y	
CA60	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		Q712	TH2N7000	TR	H2N7000	
CA62	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		Q713	TH2N7000	TR	H2N7000	
CA63	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		QA12	T2SC5343Y-	TR	2SC5343Y	
CA65	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP		QA13	T2SC5343Y-	TR	2SC5343Y	
CA66	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP		QA14	T2SC5343Y-	TR	2SC5343Y	
CA67	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		QQ01	T2SC5343Y-	TR	2SC5343Y	
CL06	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP		QQ02	T2SC5343Y-	TR	2SC5343Y	
CN08	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		QU01	T2SC5343Y-	TR	2SC5343Y	
CN15	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		QU02	TKRC102M	TR	KRC 102-M(TAPPI	
CN18	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		QU03	T2SA1980Y-	TR	2SA1980Y	
CN26	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		QU04	TKTC3202Y	TR	KTC3202Y	
CN27	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		QU05	T2SA1980Y-	TR	2SA1980Y	
CN28	CEXF1A471V	C ELECTRO	10V RSS 470MF(TAPPING)		QU06	T2SC5343Y-	TR	2SC5343Y	
CN29	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		QU07	T2SC5343Y-	TR	2SC5343Y	
CN31	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		R106	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CN33	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		R107	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CN36	CDXF0H104K	C SUPER	5.5V 0.1F F (TAPPING)		R157	RV4121103P	R SEMI FIXED	NVZ6THT 10K OHM	
CP04	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		R180	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CP07	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		R181	RN02B360JS	R METAL FILM	2W 36 OHM J SMALL	
CP09	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		RS47	RN02B829JS	R METAL FILM	2W 8.2 OHM J SMALL	
CP10	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP		SW02	5S50101Z90	SW TACT	SKHV10910A	
QQ03	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		SW03	5S50101Z90	SW TACT	SKHV10910A	
CU01	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		SW04	5S50101Z90	SW TACT	SKHV10910A	
CU02	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)		SW06	5S50101Z90	SW TACT	SKHV10910A	
CU03	CMXM2A333J	C MYLAR	100V 0.033MF J TP		SW07	5S50101Z90	SW TACT	SKHV10910A	
CU04	CMXM2A104J	C MYLAR	100V 0.1MF J TP		SW08	5S50101Z90	SW TACT	SKHV10910A	
CU05	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		SW10	5S50101Z90	SW TACT	SKHV10910A	
CU08	CMXM2A122J	C MYLAR	100V 1200PF J (TP)		SW11	5S50101Z90	SW TACT	SKHV10910A	
CU10	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		SW12	5S50101Z90	SW TACT	SKHV10910A	
CU12	CEXF1H100A	C ELECTRO	50V RSM 10MF 6.3X7		SW13	5S50101Z90	SW TACT	SKHV10910A	
CU13	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		X701	5XEX6R000C	CRYSTAL QUARTZ	HC-49/U 6.000M 20PPM TP	
CU14	CMXM2A472J	C MYLAR	100V 4700PF J TP		XY01	5XEX4R433B	CRYSTAL QUARTZ	HC-49/U 4.43361M 15PPM TP	
CU15	CMXM2A122J	C MYLAR	100V 1200PF J (TP)		Z151	5PXLT6R0MT	FILTER CERA	LT 6.0MH-TP	
CU16	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)		Z154	5PXXT6R0MB	FILTER CERA	XT 6.0MB-TP	
CU17	CMXM2A333J	C MYLAR	100V 0.033MF J TP		ZZ200	PTMPJAA884	PCB MAIN AXIAL AS	DVT-14R7UBF-S	
CU18	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		A001	4859809593	PCB MAIN	CP-082S 330X246	
CU19	CMXM2A223J	C MYLAR	100V 0.022MF J TP		C101	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)	
CU21	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		C168	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)	
CU23	CEXF1H229A	C ELECTRO	50V RSM 2.2MF (4X7) TP		C171	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)	
CU24	CEXF1C470A	C ELECTRO	16V RSM 47MF (6.3X7) TP		C520	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY01	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C521	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
C522	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		DA02	D1N4148 -	DIODE	1N4148 (TAPPING)	
C543	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		DA03	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
C707	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		DA04	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CA17	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		DA05	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN01	CCZF1H103Z	C CERA	50V F 0.01MF Z		DA06	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN02	CCZF1H103Z	C CERA	50V F 0.01MF Z		DA07	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN03	CCZF1H103Z	C CERA	50V F 0.01MF Z		DA11	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN09	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		DA12	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN10	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		DA13	D1N4148 -	DIODE	1N4148 (TAPPING)	
CN12	CZCH1H180J	C CERA	50V CH 18PF J (AXIAL)		DA14	DTZX12C -	DIODE ZENER	TZX12C (TAPPING)	
CN13	CZCH1H180J	C CERA	50V CH 18PF J (AXIAL)		DA15	D1N4148 -	DIODE	1N4148 (TAPPING)	
CN16	CCZF1H103Z	C CERA	50V F 0.01MF Z		DN01	D1N4004S	DIODE	1N4004S	
CN17	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		DN02	D1N4004S	DIODE	1N4004S	
CN19	CCZF1H103Z	C CERA	50V F 0.01MF Z		DN05	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
CN20	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		DN06	D1N4004S	DIODE	1N4004S	
CN21	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		DN07	D1N4004S	DIODE	1N4004S	
CN22	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		DN70	DTZX5V1B	DIODE ZENER	TZX5V1B (TAPPING)	
CN23	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		DN71	DTZX5V1B	DIODE ZENER	TZX5V1B (TAPPING)	
CN24	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		DY01	D1N4148 -	DIODE	1N4148 (TAPPING)	
CN25	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		DY01	D1N4148 -	DIODE	1N4148 (TAPPING)	
CN34	CCZF1H223Z	C CERA	50V F 0.022MF Z		DY03	D1N4004S	DIODE	1N4004S	
CN35	CCZF1H223Z	C CERA	50V F 0.022MF Z		J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CN37	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CN70	CBZR1C392M	C CERA	Y5R 16V 3900PF M AXIAL		J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CP02	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CU22	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CU25	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CU26	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY06	CZSL1H270J	C CERA	50V SL 27PF J (AXIAL)		J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY07	CCZF1H103Z	C CERA	50V F 0.01MF Z		J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY19	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J010	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY20	CCZF1H103Z	C CERA	50V F 0.01MF Z		J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY22	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY23	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY33	CCZF1H103Z	C CERA	50V F 0.01MF Z		J014	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY34	CCZF1H103Z	C CERA	50V F 0.01MF Z		J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY39	CCZF1H103Z	C CERA	50V F 0.01MF Z		J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY41	CCZF1H103Z	C CERA	50V F 0.01MF Z		J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY49	CCZF1H103Z	C CERA	50V F 0.01MF Z		J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY65	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY66	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J020	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
CY70	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)		J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D101	DTZX5V1B	DIODE ZENER	TZX5V1B (TAPPING)		J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D102	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J023	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D103	DTZX33B -	DIODE ZENER	TZX33B (TAPPING)		J024	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D150	DTZX5V1B	DIODE ZENER	TZX5V1B (TAPPING)		J025	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D151	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J026	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D152	DTZX8V2A	DIODE ZENER	TZX8V2A (TAPPING)		J027	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D153	D1N4148 -	DIODE	1N4148 (TAPPING)		J028	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D502	D1N4148 -	DIODE	1N4148 (TAPPING)		J029	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D503	D1N4148 -	DIODE	1N4148 (TAPPING)		J030	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D504	D1N4148 -	DIODE	1N4148 (TAPPING)		J031	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D505	D1N4148 -	DIODE	1N4148 (TAPPING)		J033	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D506	D1N4148 -	DIODE	1N4148 (TAPPING)		J036	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D570	DTZX8V2A	DIODE ZENER	TZX8V2A (TAPPING)		J037	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D571	D1N4148 -	DIODE	1N4148 (TAPPING)		J038	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D601	D1N4148 -	DIODE	1N4148 (TAPPING)		J039	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D602	D1N4148 -	DIODE	1N4148 (TAPPING)		J040	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D701	D1N4148 -	DIODE	1N4148 (TAPPING)		J041	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D703	D1N4148 -	DIODE	1N4148 (TAPPING)		J043	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D704	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)		J044	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D705	D1N4148 -	DIODE	1N4148 (TAPPING)		J045	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D706	D1N4148 -	DIODE	1N4148 (TAPPING)		J046	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D707	D1N4148 -	DIODE	1N4148 (TAPPING)		J048	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D708	D1N4148 -	DIODE	1N4148 (TAPPING)		J049	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D709	D1N4004S	DIODE	1N4004S		J051	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D710	D1N4148 -	DIODE	1N4148 (TAPPING)		J052	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D711	DTZX2V4B	DIODE ZENER	TZX2V4B (TAPPING)		J053	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
DA01	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)		J054	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

SERVICE PART LIST

[illegible]

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
J208	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA01	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J211	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA02	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J212	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA03	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J214	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA04	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J216	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA05	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)	
J217	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA06	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J218	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA60	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J219	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LP01	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)	
J220	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LP02	5CPZ569K02	COIL PEAKING	5.6UH 3.5MM K (LAL02TB)	
J222	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LU02	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J223	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LU03	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J224	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LU04	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J225	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY01	5CPZ560K02	COIL PEAKING	56UH 3.5MM K (LAL02TB)	
J226	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY02	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)	
J227	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY03	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J228	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY04	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J229	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY05	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J230	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LY06	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
J231	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R101	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J232	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R102	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J233	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R104	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
J234	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R155	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J	
J235	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R158	RD-AZ680J-	R CARBON FILM	1/6 68 OHM J	
J236	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R159	RD-AZ820J-	R CARBON FILM	1/6 82 OHM J	
J240	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R163	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
J241	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R166	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J	
J242	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R510	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
J244	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R511	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
J245	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R525	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
J246	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R531	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J	
J247	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R533	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J248	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R535	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
J250	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R545	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
J251	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R546	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
J252	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R556	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
J253	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R560	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J255	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R561	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J256	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R570	RD-AZ681J-	R CARBON FILM	1/4 680 OHM J	
J257	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R601	RD-AZ221J-	R CARBON FILM	1/4 220 OHM J	
J260	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R602	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
J262	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R610	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J264	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R611	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
J265	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R701	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J266	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R709	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J267	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R710	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J269	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R711	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
J270	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R714	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J271	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R715	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
J272	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R716	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
J273	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R717	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
J278	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R720	RD-AZ680J-	R CARBON FILM	1/6 68 OHM J	
J279	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R729	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J281	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R730	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J283	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R731	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
J284	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R735	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
J285	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R737	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
L103	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04		R739	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
L152	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04		R741	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
L153	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)		R747	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
L154	5CPZ689K02	COIL PEAKING	6.8UH 3.5MM K (LAL02TB)		R748	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
L156	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04		R749	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
L501	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		R752	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
L602	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		R753	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
L603	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		RA01	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
L605	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04		RA09	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
L701	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)		RA10	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
L703	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)		RA11	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
L704	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)		RA12	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J	
L705	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)		RA13	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RA14	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RY20	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
RA16	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		RY21	RD-AZ820J-	R CARBON FILM	1/6 82 OHM J	
RA17	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J		RY23	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
RA18	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RY24	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RA34	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RY25	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
RA39	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J		RY28	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
RA43	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RY29	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RA46	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J		RY30	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RA47	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RY31	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
RA49	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J		RY32	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RA51	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J		ZZ300	PTPWMSA878	PCB POWER MANUAL AS	DVT-14R7FBF-S	
RN03	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J		C311	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
RN04	RD-AZ304J-	R CARBON FILM	1/6 300K OHM J		C418	CMYE2G394J	C MYLAR	400V PU 0.39MF J	△
RN05	RD-4Z121J-	R CARBON FILM	1/4 120 OHM J		C419	CEXF2C100V	C ELECTRO	160V RSS 10MF (10X16) TP	
RN06	RD-AZ304J-	R CARBON FILM	1/6 300K OHM J		C421	CEXF2C470V	C ELECTRO	160V RSS 47MF (13X25) TP	
RN09	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J		C423	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20) TP	
RN10	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J		C426	CMYH3C722J	C MYLAR	1.6KV 7200PF J (BUP)	△
RN13	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		C801	CL1UC3474M	C LINE ACROSS	0.47MF 1J(UCVSNDP/SV	
RN14	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J		C802	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)	
RN20	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		C803	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)	
RN27	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		C804	CEYD2W101D	C ELECTRO	450V FHS 100MF(25X30)	△
RN28	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		C806	CBXB3D471K	C CERA CEMI	2KV BL(N) 470PF K (T)	
RN29	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J		C809	CEXF2W100V	C ELECTRO	450V RSS 10MF (13X20)TP	
RN31	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C810	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)	
RN32	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C811	CH18FE222M	C CERA AC	UIC/V AC400V 2200PF	△
RN33	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C821	CEXF2C101V	C ELECTRO	160V RSS 100MF (16X25) TP	
RN38	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		C822	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
RN39	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		C823	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
RN40	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		C824	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
RN42	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		C825	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
RN43	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J		C831	CCYR3A471K	C CERA	1KV 470PF K 125C	
RN50	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J		C832	CCYR3A471K	C CERA	1KV 470PF K 125C	
RN51	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		C837	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X25) TP	
RP02	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C844	CEXF1C222V	C ELECTRO	16V RSS 2200MF(13X25)TP	
RP03	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C850	CEXF2C101V	C ELECTRO	160V RSS 100MF (16X25) TP	
RQ06	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C902	CCYB2H103K	C CERA	500V B 0.01MF K	
RQ07	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J		C904	CBXB3D102K	C CERA SEMI	2KV BL(N) 1000PF K (T)	
RQ08	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J		D809	DHER308G	DIODE	HER308G	△
RQ10	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J		D821	DBYW76	DIODE	BYW76	△
RQ11	RD-AZ431J-	R CARBON FILM	1/6 430 OHM J		D822	DEGP50D -	DIODE	EGP50D	
RQ12	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		D824	DEGP50D -	DIODE	EGP50D	
RQ13	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		F801	5FSCB4022R	FUSE CERA	SEMKO F4AH 4A 250V MF51	△
RQ15	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J		I301	1TDA8357J-	IC VERTICAL	TDA8357J	Ⓡ
RQ16	RD-AZ431J-	R CARBON FILM	1/6 430 OHM J		I301A	4857028230	HEAT SINK	AL EX BK	
RQ17	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		I301B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RQ18	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		I801	1STRF6653-	IC SMPS	STR-F6653	Ⓡ
RQ21	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		I801A	4857027701	HEAT SINK	AL EX	
RQ22	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		I801B	7174301211	SCREW TAPPTITE	TT2 RND 3X12 MFZN	
RU07	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J		I802	1LTV817C	IC PHOTO COUPLER	LTV817C	△
RU11	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		I821	1SE110N -	IC ERROR AMP	SE110N	Ⓡ
RU19	RN-AZ1001F	R METAL FILM	1/6 1K OHM F		I822	TX0205MA	THYRISTOR	X0205MA	△
RU20	RD-AZ229J-	R CARBON FILM	1/6 2.2 OHM J		I823	1K1A7809P1	IC REGULATOR	KIA7809API	Ⓡ
RU21	RD-AZ229J-	R CARBON FILM	1/6 2.2 OHM J		I823A	4857027800	HEAT SINK	AL EX	
RU28	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J		I823B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RU29	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J		I824	1L7806CV	IC REGULATOR	L7806CV	Ⓡ
RU30	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		I824A	4857027800	HEAT SINK	AL EX	
RU32	RD-AZ563J-	R CARBON FILM	1/6 56K OHM J		I824B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RU35	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J		I825	1L7806CV	IC REGULATOR	L7806CV	Ⓡ
RU36	RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J		I826	1LP295033-	IC REGULATOR	LP2950-3.3	
RY01	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		I901	1TDA6107Q-	IC VIDEO	TDA6107Q	Ⓡ
RY02	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		I901A	4857031300	HEAT SINK	A1050P-H24 T1.6	
RY03	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J		I901B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
RY04	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		L401	58H0000018	COIL H-LINEARITY	L-125 (125UH)	
RY05	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J		L801	5PLF24A3	FILTER LINE	LF-24A3	△
RY07	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		M381	4853818300	FRAME POWER	FR HIPS BK	
RY15	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		M381A	7178301011	SCREW TAPPING	TT2 WAS 3X10 MFZN	
RY16	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		P401	4859240120	CONN WAFER	YFW500-06	
RY17	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J		P801	4859235520	CONN WAFER	YW025-12	
RY19	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J		P801A	4859242220	CONN WAFER	YFW800-02	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
P802	4859235220	CONN WAFER	YW025-09		C312	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)	
P802A	4859242220	CONN WAFER	YFW800-02		C313	CMXM2A104J	C MYLAR	100V 0.1MF J TP	
P803	4859232020	CONN WAFER	YW025-07		C314	CMXM2A473J	C MYLAR	100V 0.047MF J TP	
P803A	4859242220	CONN WAFER	YFW800-02		C315	CMXM2A473J	C MYLAR	100V 0.047MF J TP	
P804A	4859242220	CONN WAFER	YFW800-02		C317	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	
P901	4859231820	CONN WAFER	YW025-05		C320	CMXM2A473J	C MYLAR	100V 0.047MF J TP	
P902	4859231720	CONN WAFER	YW025-04		C403	CCXB2H221K	C CERA	500V B 220PF K (TAPPING)	
P903	4859289920	CONN WAFER	YFW254-05S		C410	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
PA804	4850701S01	CONNECTOR	RINGTER4.3+YPT018+ULW=100		C411	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)	
PA805	4850701S01	CONNECTOR	RINGTER4.3+YPT018+ULW=100		C412	CMXM2A104J	C MYLAR	100V 0.1MF J TP	
PA902	4850704S03	CONN AS	YH025-04+YST025+ULW=300		C424	CMXM2A104J	C MYLAR	100V 0.1MF J TP	
PW02	4850702S20	CONNECTOR	YFH800-02+YDT235+ULW=300		C433	CXSL2H470J	C CERA	500V SL 47PF J (TAPPING)	
Q401	TST1803DHI-	TR	ST1803DHI	△ ⑧	C805	CEXF1H330V	C ELECTRO	50V RSS 33MF (6.3X11) TP	
Q401A	4857027610	HEAT SINK	AL EX		C807	CCXB1H152K	C CERA	50V B 1500PF K (TAPPING)	
Q401B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		C808	CCXB1H471K	C CERA	50V B 470PF K (TAPPING)	
R801	DEC140M290	POSISTOR	ECPC140M290	△	C827	CCXB1H472K	C CERA	50V B 4700PF K (TAPPING)	
R802	RX10B339JP	R CEMENT	10W 3.3 OHM J BEN 15MM 4P		C839	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
R803	RS02Y683JS	R M-OXIDE FILM	2W 68K OHM J SMALL		C842	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
R809	RS02Y338JS	R M-OXIDE FILM	2W 0.33 OHM J SMALL	△	C843	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
R832	RS02Y828JS	R M-OXIDE FILM	2W 0.82 OHM J SMALL		C845	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
R911	RS02Y101JS	R M-OXIDE FILM	2W 100 OHM J SMALL		C846	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
RLY1	5SC0101340	SW RELAY	DQ5D1-0(M)	△	C851	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5*11) TP	
SCT1	4859303930	SOCKET CRT	ISMG03S INCHANG		C903	CMXL2E104K	C MYLAR	250V 0.1MF K MEU TP	
SG901	4SGODY0001	SPARK GAP	SSG-102-A1(1.0KV) BULK		F801A	4857415001	CLIP FUSE	PFC5000-0702	
SG902	4SGODY0001	SPARK GAP	SSG-102-A1(1.0KV) BULK		F801B	4857415001	CLIP FUSE	PFC5000-0702	
SG903	4SGODY0001	SPARK GAP	SSG-102-A1(1.0KV) BULK		L821	58CX430599	COIL CHOKE	AZ-9004Y 940K TP	
SG904	4SGODY0001	SPARK GAP	SSG-102-A1(1.0KV) BULK		Q402	TKTC3209Y-	TR	KTC3209Y	⑧
SW801	5S40101146	SW POWER PUSH	SS-160-7-B		Q801	TKTC3207	TR	KTC3207	
T401	50D10A2 -	TRANS DRIVE	TD-10A2	△ ⑧	Q802	TKTC3207	TR	KTC3207	
T402	50H0000209	FBT	LTC-508	△ ⑧	Q821	T2SC5343Y-	TR	2SC5343Y	
T801	50M3541A7-	TRANS SMPS	TSM-3541A7	△ ⑧	Q822	T2SC5343Y-	TR	2SC5343Y	
ZZ200	PTPWJBA878	PCB POWER EYE LET AS	DVT-14R7FBF-S		Q823	T2SC5343Y-	TR	2SC5343Y	
E001	4856310300	EYE LET	BSR T0.2 (R1.6)		Q824	T2SC5343Y-	TR	2SC5343Y	
E002	4856310300	EYE LET	BSR T0.2 (R1.6)		Q825	T2SC5343Y-	TR	2SC5343Y	
E003	4856310300	EYE LET	BSR T0.2 (R1.6)		Q827	TKSA1013Y-	TR	KSA1013Y	
E004	4856310300	EYE LET	BSR T0.2 (R1.6)		Q828	T2SA1980Y-	TR	2SA1980Y	
E007	4856310300	EYE LET	BSR T0.2 (R1.6)		Q829	T2SC5343Y-	TR	2SC5343Y	
E011	4856310300	EYE LET	BSR T0.2 (R1.6)		Q834	TKTC3203Y-	TR	KTC3203-Y	
E012	4856310600	EYE LET	BSR 2.3(R2.3)		R318	RN02B681JS	R METAL FILM	2W 680 OHM J SMALL	
E013	4856310600	EYE LET	BSR 2.3(R2.3)		R323	RN02B681JS	R METAL FILM	2W 680 OHM J SMALL	
E014	4856310600	EYE LET	BSR 2.3(R2.3)		R416	RN02B222JS	R METAL FILM	2W 2.2K OHM J SMALL	
E015	4856310600	EYE LET	BSR 2.3(R2.3)		R417	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL	
E016	4856310300	EYE LET	BSR T0.2 (R1.6)		R418	RN02B222JS	R METAL FILM	2W 2.2K OHM J SMALL	
E017	4856310300	EYE LET	BSR T0.2 (R1.6)		R831	RN02B473JS	R METAL FILM	2W 47K OHM J SMALL	
E018	4856310300	EYE LET	BSR T0.2 (R1.6)		R836	RN02B209JS	R METAL FILM	2W 2 OHM J SMALL	
E019	4856310600	EYE LET	BSR 2.3(R2.3)		R837	RN02B300JS	R METAL FILM	2W 30 OHM J SMALL	
E020	4856310600	EYE LET	BSR 2.3(R2.3)		R841	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL	
E021	4856310300	EYE LET	BSR T0.2 (R1.6)		R842	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL	
E022	4856310300	EYE LET	BSR T0.2 (R1.6)		R907	RN02B688JS	R METAL FILM	2W 0.68 OHM J SMALL	
E023	4856310600	EYE LET	BSR 2.3(R2.3)		ZZ200	PTPWJAA878	PCB POWER AXIAL AS	DVT-14R7FBF-S	
E024	4856310600	EYE LET	BSR 2.3(R2.3)		A001	4859815411	PCB POWER	CP-082S 246X246 D1B	
E025	4856310600	EYE LET	BSR 2.3(R2.3)		C852	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E026	4856310600	EYE LET	BSR 2.3(R2.3)		C853	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E027	4856310600	EYE LET	BSR 2.3(R2.3)		C855	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E028	4856310600	EYE LET	BSR 2.3(R2.3)		C856	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E029	4856310600	EYE LET	BSR 2.3(R2.3)		C857	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E031	4856310600	EYE LET	BSR 2.3(R2.3)		C858	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E032	4856310600	EYE LET	BSR 2.3(R2.3)		C859	CCZF1H103Z	C CERA	50V F 0.01MF Z	
E033	4856310600	EYE LET	BSR 2.3(R2.3)		D311	D1N4004S	DIODE	1N4004S	
E034	4856310300	EYE LET	BSR T0.2 (R1.6)		D312	DTZX12C -	DIODE ZENER	TZX12C (TAPPING)	
E035	4856310300	EYE LET	BSR T0.2 (R1.6)		D315	DTZX30A -	DIODE ZENER	TZX30A (TAPPING)	
E037	4856310600	EYE LET	BSR 2.3(R2.3)		D316	DTZX30A -	DIODE ZENER	TZX30A (TAPPING)	
E038	4856310600	EYE LET	BSR 2.3(R2.3)		D413	D1N4937G	DIODE	1N4937G	
E039	4856310300	EYE LET	BSR T0.2 (R1.6)		D421	D1N4937G	DIODE	1N4937G	
E040	4856310300	EYE LET	BSR T0.2 (R1.6)		D422	D1N4937G	DIODE	1N4937G	
E041	4856310300	EYE LET	BSR T0.2 (R1.6)		D423	D1N4937G	DIODE	1N4937G	
E042	4856310300	EYE LET	BSR T0.2 (R1.6)		D425	D1N4148 -	DIODE	1N4148 (TAPPING)	
E043	4856310300	EYE LET	BSR T0.2 (R1.6)		D426	D1N4148 -	DIODE	1N4148 (TAPPING)	
ZZ200	PTPWJRA878	PCB POWER RADIAL AS	DVT-14R7FBF-S		D801	DLT2A05G	DIODE	LT2A05G	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
D802	DLT2A05G	DIODE	LT2A05G		R405	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
D803	DLT2A05G	DIODE	LT2A05G		R412	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
D804	DLT2A05G	DIODE	LT2A05G		R413	RD-4Z399J-	R CARBON FILM	1/4 3.9 OHM J	
D805	D1N4937G	DIODE	1N4937G		R419	RD-4Z273J-	R CARBON FILM	1/4 27K OHM J	
D806	D1N4937G	DIODE	1N4937G		R421	RD-2Z224J-	R CARBON FILM	1/2 220K OHM J	
D807	D1N4937G	DIODE	1N4937G		R422	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
D808	DTZX13B -	DIODE ZENER	TZX13B (TAPPING)		R423	RD-4Z303J-	R CARBON FILM	1/4 30K OHM J	
D823	DRGP15J -	DIODE	RGP15J		R804	RD-2Z474J-	R CARBON FILM	1/2 470K OHM J	
D825	DRGP15J -	DIODE	RGP15J		R806	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J	
D827	D1N4148 -	DIODE	1N4148 (TAPPING)		R807	RD-4Z362J-	R CARBON FILM	1/4 3.6K OHM J	
D828	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R808	RD-4Z681J-	R CARBON FILM	1/4 680 OHM J	
D829	D1N4937G	DIODE	1N4937G		R810	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
D831	D1N4148 -	DIODE	1N4148 (TAPPING)		R811	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	
D832	DTZX5V6B	DIODE ZENER	TZX5V6B (TAPPING)		R812	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J	
D833	DTZX5V6B	DIODE ZENER	TZX5V6B (TAPPING)		R813	RD-2Z304J-	R CARBON FILM	1/2 300K OHM J	
D839	D1N4004S	DIODE	1N4004S		R820	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
D841	D1N4148 -	DIODE	1N4148 (TAPPING)		R821	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
D901	D1N4937G	DIODE	1N4937G		R822	RD-4Z754J-	R CARBON FILM	1/4 750K OHM J	
D902	D1N4937G	DIODE	1N4937G		R824	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
D903	D1N4937G	DIODE	1N4937G		R825	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R826	RD-4Z222J-	R CARBON FILM	1/4 2.2K OHM J	
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R827	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R828	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R829	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R833	RD-4Z363J-	R CARBON FILM	1/4 36K OHM J	
J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R834	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R835	RD-AZ753J-	R CARBON FILM	1/6 75K OHM J	
J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R847	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
J010	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R848	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R849	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R852	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R853	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J014	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R854	RD-4Z121J-	R CARBON FILM	1/4 120 OHM J	
J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R901	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R902	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R903	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R904	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R905	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J020	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R906	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R908	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R909	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
J023	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R910	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
J024	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R912	RD-4Z150J-	R CARBON FILM	1/4 15 OHM J	
J025	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		ZZ400	PT1FMSA884	PCB IF MANUAL AS	DVT-14R7UBF-S	
J026	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		I501	1TDA8841	IC VIDEO	TDA8841	Ⓡ
J027	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		M394	4857249800	SHIELD CASE	SPTH-1 T0.3	
J028	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		M394A	4857249900	SHIELD COVER	SPTH-1 T0.3	
J029	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		M394B	4853948400	BRKT EARTH	C5212P-1/2M T0.15	
J030	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		P503	4859279820	CONN WAFER	TAC-L18P-A3 (ANGLE)	
J031	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		P504	4859279520	CONN WAFER	TAC-L15P-A3 (ANGLE)	
J032	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		SF501	5PJ1981M	FILTER SAW	J1981M	
J033	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		ZZ200	PT1FJ2A884	PCB IF CHIP MOUNT AS	DVT-14R7UBF-S	
J034	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		CC501	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
J035	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		CC502	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012	
J036	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		CC504	HCQK560JCA	C CHIP CERA	50V CH 56PF J 2012	
J039	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		CC512	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
J040	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		CC517	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
L311	5CPZ109M04	COIL PEAKING	1UH 10.5MM M (LAL04TB)		CC524	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
L312	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		CC525	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
L313	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		CC526	HCQK150JCA	C CHIP CERA	50V CH 15PF J 2012	
L802	5MC0000100	COIL BEAD	MD-5 (HC-3550)		CC527	HCQK150JCA	C CHIP CERA	50V CH 15PF J 2012	
R311	RN-4Z1501F	R METAL FILM	1/4 1.5K OHM F		CC528	HCFK474ZCA	C CHIP CERA	50V Y5V 0.47MF Z 2012	
R312	RN-4Z1501F	R METAL FILM	1/4 1.5K OHM F		CC529	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
R315	RD-4Z562J-	R CARBON FILM	1/4 5.6K OHM J		CC530	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
R316	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J		CC533	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
R317	RD-4Z564J-	R CARBON FILM	1/4 560K OHM J		CC535	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012	
R319	RD-2Z159J-	R CARBON FILM	1/2 1.5 OHM J		CC536	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
R320	RD-4Z473J-	R CARBON FILM	1/4 47K OHM J		CC538	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
R321	RD-4Z159J-	R CARBON FILM	1/4 1.5 OHM J		CC539	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	

SERVICE PART LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC540	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC546	HCCK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC554	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012	
CC583	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC584	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC585	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
QC501	T2SC2412KB	TR CHIP	2SC2412KB	
QC502	T2SC2412KB	TR CHIP	2SC2412KB	
QC505	T2SC2412KB	TR CHIP	2SC2412KB	
QC508	T2SC2412KB	TR CHIP	2SC2412KB	
RC501	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC502	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RC503	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC504	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RC505	HRFT270JCA	R CHIP	1/10 27 OHM J 2012	
RC506	HRFT681JCA	R CHIP	1/10 680 OHM J 2012	
RC508	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC509	HRFT391JCA	R CHIP	1/10 390 OHM J 2012	
RC512	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
RC513	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC514	HRFT241JCA	R CHIP	1/10 240 OHM J 2012	
RC523	HRFT823JCA	R CHIP	1/10 82K OHM J 2012	
RC526	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
RC528	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC529	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RC530	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RC536	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RC537	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC544	HRFT151JCA	R CHIP	1/10 150 OHM J 2012	
RC553	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RC554	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC555	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
ZZ200	PT1FJRA884	PCB IF RADIAL AS	DVT-14R7UBF-S	
C507	CMXM2A473J	C MYLAR	100V 0.047MF J TP	
C509	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C511	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
C515	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
C518	CMXM2A104J	C MYLAR	100V 0.1MF J TP	
C519	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
C531	CEXF1A471V	C ELECTRO	10V RSS 470MF(TAPPING)	
C532	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C534	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
C537	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C541	CMXM2A104J	C MYLAR	100V 0.1MF J TP	
C545	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C556	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5*11) TP	
C586	CEXF1A471V	C ELECTRO	10V RSS 470MF(TAPPING)	
C587	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
X501	5XEX3R579C	CRYSTAL QUARTZ	HC-49U 3.579545M (TP)	
X502	5XEX4R436C	CRYSTAL QUARTZ	HC-49U 4.433619M 20PP TA	
Z501	5PXLT6R0MT	FILTER CERA	LT 6.0MH-TP	
Z503	5PXXT6R0MB	FILTER CERA	XT 6.0MB-TP	
ZZ200	PT1FJAA884	PCB IF AXIAL AS	DVT-14R7UBF-S	
A001	4859801312	PCB IF	CP-082P 246X246	
C505	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)	
C506	CZCH1H100J	C CERA	50V CH 10PF J (AXIAL)	
C508	CGZF1H223Z	C CERA	50V F 0.022MF Z	
C520	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)	
C521	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)	
C522	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)	
D501	DTZX6V2 -	DIODE ZENER	TZX6V2B (TAPPING)	
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J010	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J277	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
L502	5CPZ220K02	COIL PEAKING	22UH 3.5MM K (LAL02TB)	
L503	5CPZ150K02	COIL PEAKING	15UH 3.5MM K (LAL02TB)	
L504	5CPZ101K04	COIL PEAKING	100UH 10.5MM K LAL04	
R507	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
R515	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R519	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R520	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R521	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R522	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R524	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
R527	RD-AZ109J-	R CARBON FILM	1/4 1 OHM J	
R539	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R543	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
TOP REQUESTED PARTS LIST FOR SERVICE				ACCESSORIES AND PACKAGING MATERIALS			
D809	△ 9-948-018-53	DIODE HER308G	(VX14MW1)	9-948-018-93	INDIVIDUAL CARTON	(VX-14MW1U)	
D821	△ 9-948-018-54	DIODE BYW76	(VX14MW1)	9-948-018-95	INDIVIDUAL CARTON	(VX-14MW1E)	
DN03	9-948-018-55	LED IR SI5312-H	(VX14MW1)	9-948-018-94	INDIVIDUAL CARTON	(VX-21MW1U)	
I301	9-948-018-56	IC TDA8357J	(VX14MW1)	9-948-018-96	INDIVIDUAL CARTON	(VX-21MW1E)	
I501	9-948-018-57	IC TDA8841	(VX14MW1)	9-948-018-89	INSTRUCTION MANUAL	(VX-14MW1U/VX21MW1U)	
I701	9-948-018-58	IC SDA555XFL	(VX14MW1)	9-948-018-90	INSTRUCTION MANUAL (GERMAN/DUTCH/GREEK)		
I801	9-948-018-59	IC STR-F6653	(VX14MW1)			(VX-14/21MW1E)	
I901	9-948-018-60	IC TDA6107Q	(VX14MW1)	9-948-018-91	INSTRUCTION MANUAL (ITALIAN)	(VX-14/21MW1E)	
ICN01	9-948-018-61	IC MS3777M7H-GE2 (705GP)	(VX14MW1)	9-948-018-92	INSTRUCTION MANUAL (SWEDISH/SPANISH/ENGLISH)		
ICY01	9-948-018-62	IC LA71598SM	(VX14MW1)			(VX-14/21MW1E)	
M191	9-948-018-63	DECK AS DRP-9200N	(VX14MW1)				
Q401	△ 9-948-018-64	TRANSISTOR ST1803DHI	(VX14MW1)				
SCT1	9-948-018-65	SOCKET, CRT	(VX14MW1)				
	9-948-018-66	SOCKET, CRT	(VX21MW1)				
SN03	9-948-018-67	SENSOR REEL	(VX14MW1)				
T402	△ 9-948-018-68	FBT	(VX14MW1)				
T801	△ 9-948-018-69	TRANSFORMER TSM-3541A7	(VX14MW1)				
	△ 9-948-018-70	TRANSFORMER TSM-4042B2	(VX21MW1)				
U101	9-948-018-71	TUNER TECC2949PS35D	(VX14MW1)				
U150	9-948-018-72	TUNER UV1316/APG-3	(VX14MW1)				
V901	△ 9-948-018-73	CRT A34EAC01X17	(VX14MW1)				
	9-948-018-74	TRANSMITTER REMOCON	(VX14MW1)				

The left side of the page features a solid blue vertical bar. Within this bar is a large, white, stylized 'S' logo. To the right of the blue bar are several thin, parallel vertical white lines.

Technical Service Guide

VCR MECHANISM UNIT
(K30-MECHA DECK)

SONY Corporation.

CONTENTS

1. MECHANISM DESCRIPTION	2
2. ASSEMBLY DIAGRAM & MAJOR PARTS CHECK	5
3. DISASSEMBLY AND REPLACEMENT	12
4. MECHANICAL ADJUSTMENT.....	22
5. ADJUSTMENT OF TAPE TRANSPORTING SYSTEM	27
6. EXPLODED VIEW AND PARTS LIST	37

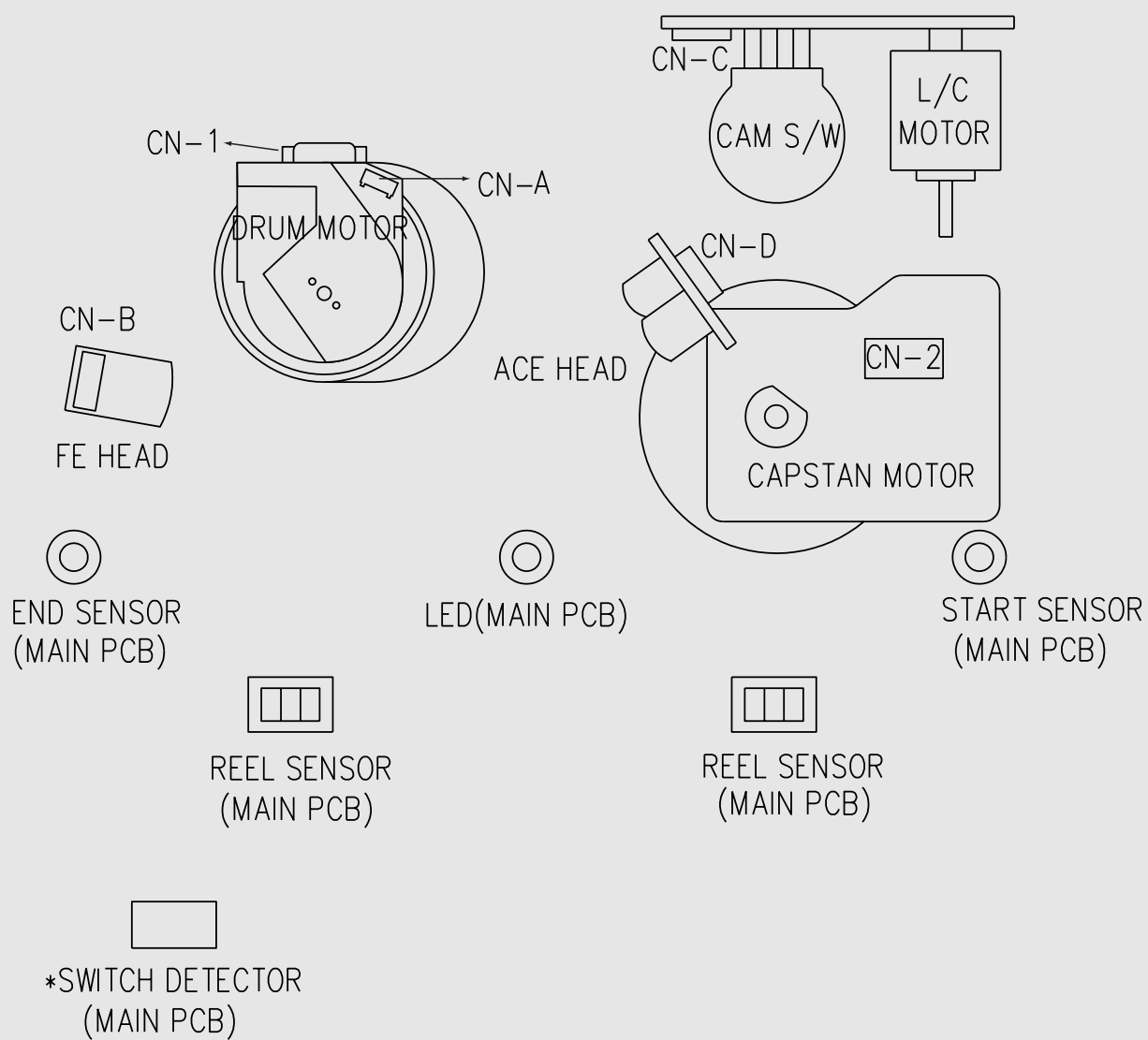
1. DESCRIPTION OF THE MECHANISM

1-1 CHARACTERISTIC OF THE K30-DECK MECHANISM

- 1) K30-MECHA DECK follows the VHS standard.
- 2) K30-MECHA DECK uses three motors (DRUM MOTOR, CAPSTAN MOTOR and L/C MOTOR)
- 3) K30-MECHA DECK uses L/C MOTOR to drive FRONT LOADING.
- 4) K30-MECHA DECK recognizes each mode by using a 4-BIT MODE signal. This 4-BIT MODE signal is generated by the CAM SWITCH which is driven by the L/C MOTOR.
- 5) K30-MECHA DECK is operated by 7 MODES (EJECT/INITIAL/REV/IDLE/PLAY, STOP, SLOW/BRAKE/FF & REW).
- 6) K30-MECHA DECK reduces the mode shifting time, that is, picture playing time by using the FULL LOADING SYSTEM that has the DRUM wrapped by the tape.
- 7) K30-MECHA DECK is separated from the Main PCB. When assembling, it is connected by B-B TYPE CONNECTOR.
The CAPSTAN MOTOR and DRUM OUTPUT of K30-MECHA DECK and the MAIN PCB DECK are directly connected without using cable.

1-2 WIRE DIAGRAM

1-2-1) WIRE DIAGRAM



1-2-2) CONNECTOR PIN ARRANGEMENT

CN-1 (2 HEAD MONO)

1	SP-L
2	COMMON
3	SP-R
4	GND

CN-A

1	GND
2	DRUM SPD CTL
3	Vcc
4	DRUM FG
5	DRUM PG
6	NON CONNECT
7	NON CONNECT

CN-B

1	FE HEAD
2	GND

CN-1 (4 HEAD MONO)

1	SP-L
2	COMMON
3	SP-R
4	GND
5	EP-R
6	COMMON
7	EP-L

CN-C

1	L/C MT (+)
2	L/C MT (-)
3	GND
4	CAM D
5	CAM C
6	CAM B
7	CAM A

CN-2

1	EVER 5V
2	CAPSTAN F/R
3	CAPSTAN FG
4	CTL-REF
5	CTL
6	I-LIMIT
7	CAPSTAN M/T 12V/18V
8	GND
9	IC GND
10	NON CONTACT

CN-1 (4 HEAD HI-FI)

1	A-L
2	COMMON
3	A-R
4	SP-L
5	COMMON
6	SP-R
7	GND
8	EP-R
9	COMMON
10	EP-L

CN-D

1	CTL
2	CTL
3	AUDIO
4	AUDIO
5	ERASE
6	GND

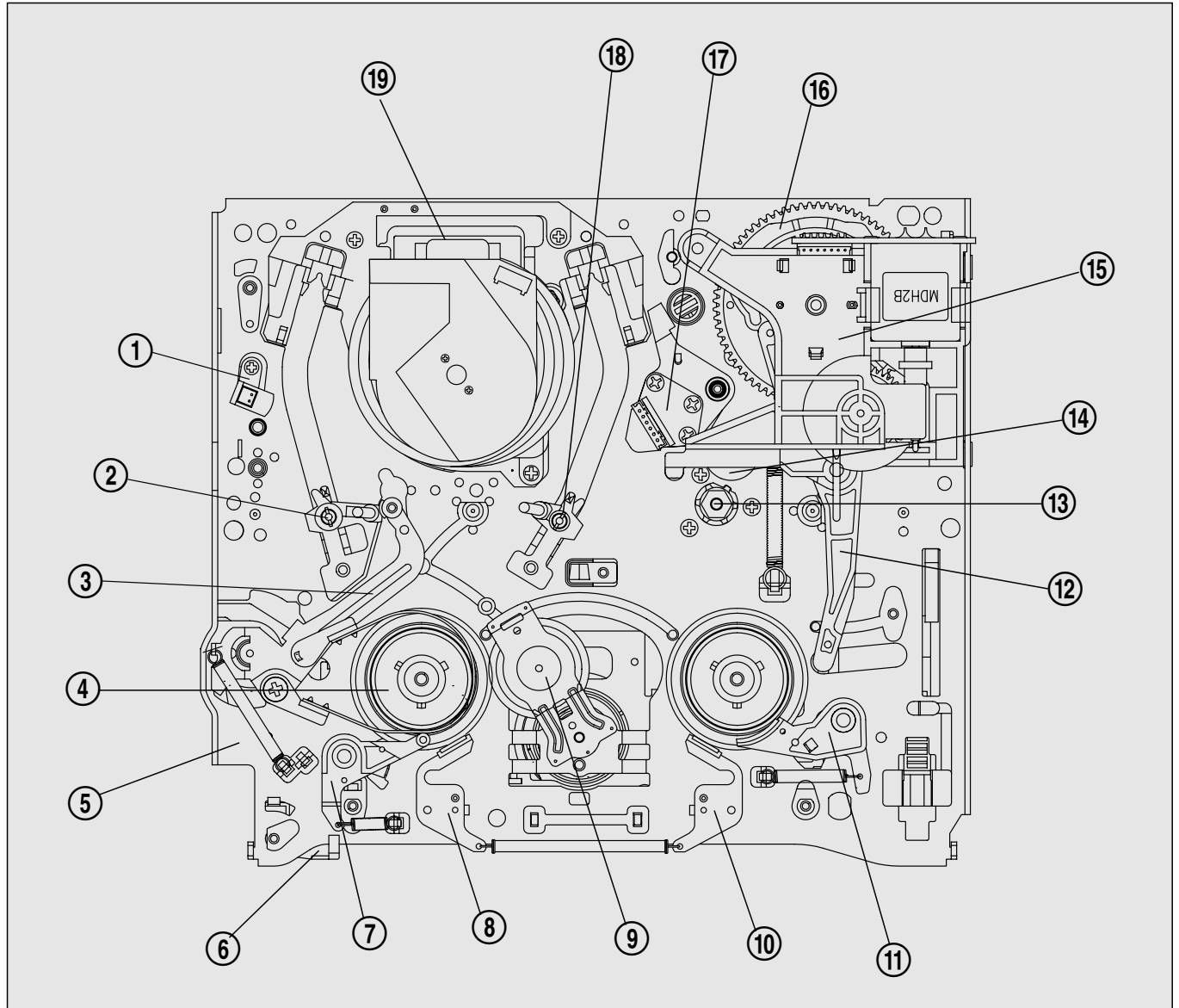
* Capstan M/T Voltage of No.7 is 12V for normal model and 18V for HI-REW model.

2. ASSEMBLY DIAGRAM & MAJOR PARTS CHECK

2-1. ASSEMBLING DIAGRAM

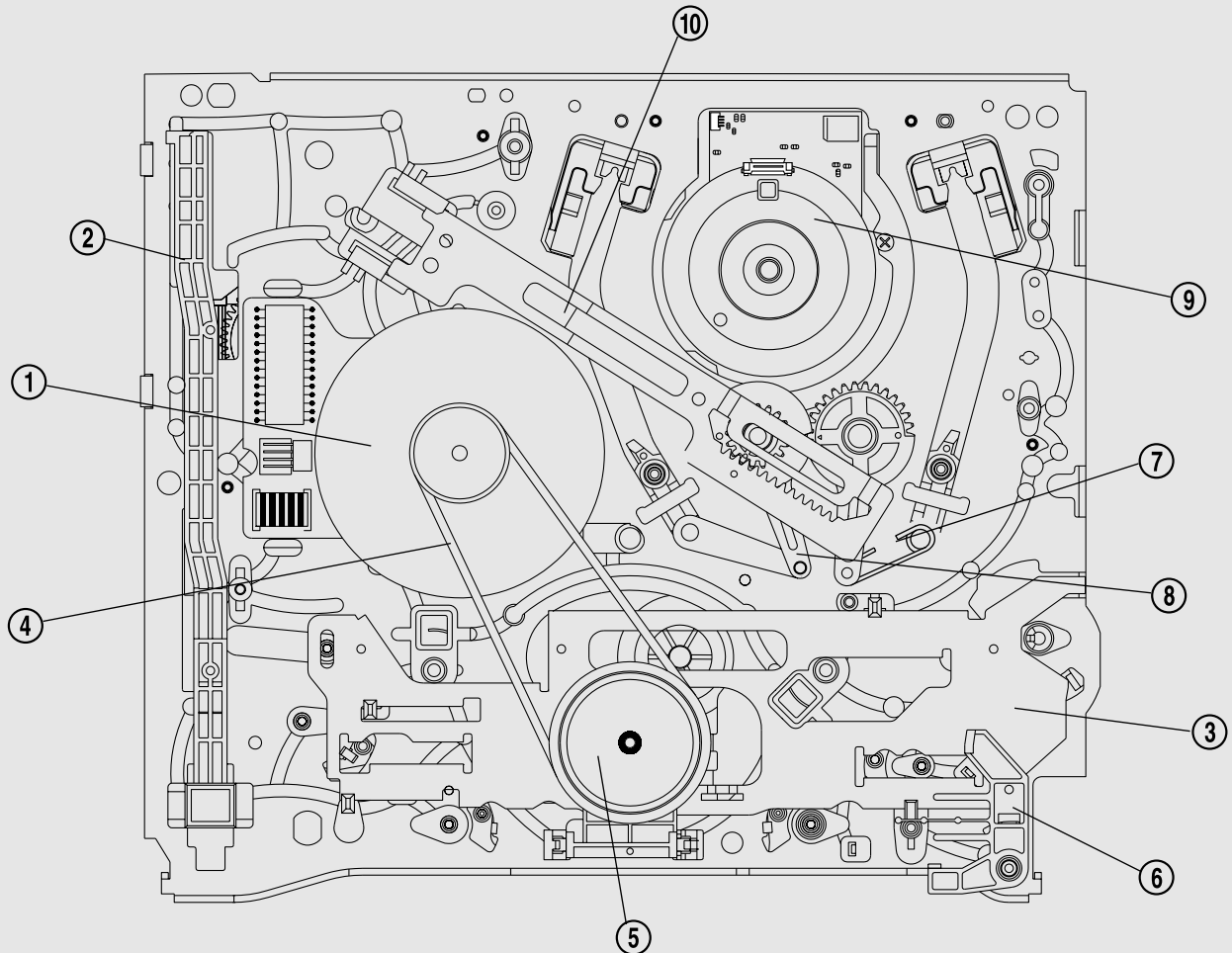
2-1-1) ASSEMBLING DIAGRAM OF DECK ASS'Y

A. TOP VIEW



- | | |
|----------------------------|-----------------------------|
| 1. FE HEAD | 11. T-SUB BRAKE ASS'Y |
| 2. S SLANT POLE ASS'Y | 12. RELAY LEVER |
| 3. TENSION BAND ASS'Y | 13. CAPSTAN MOTOR |
| 4. REEL TABLE | 14. PINCH LEVER TOTAL ASS'Y |
| 5. MAIN BASE ASS'Y | 15. L/C BRKT TOTAL ASS'Y |
| 6. RECORD SAFETY LEVER | 16. CAM GEAR |
| 7. S SUB BRAKE ASS'Y | 17. A/C HEAD TOTAL ASS'Y |
| 8. S MAIN BRAKE ASS'Y | 18. T SLANT POLE ASS'Y |
| 9. IDLER PLATE TOTAL ASS'Y | 19. DRUM TOTAL ASS'Y |
| 10. T MAIN BRAKE ASS'Y | |

B. BOTTOM VIEW

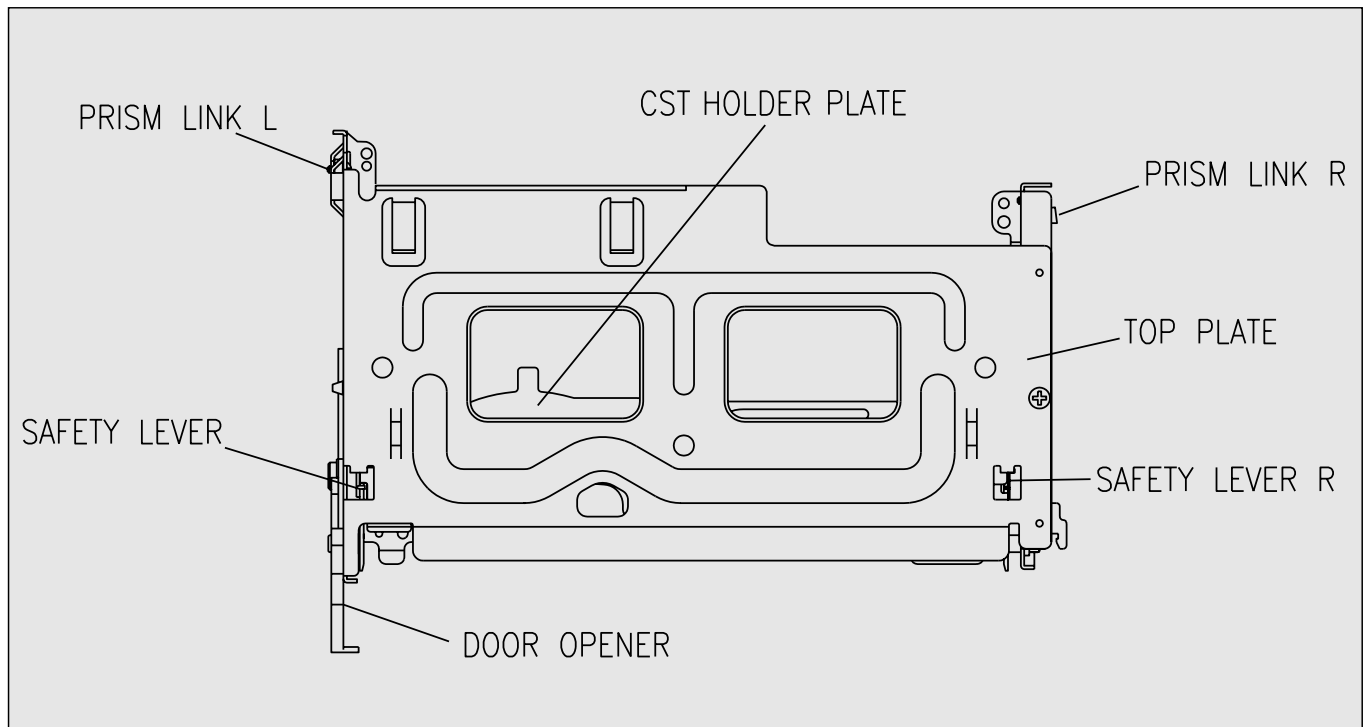


- 1. CAPSTAN MOTOR
- 2. F/L RACK
- 3. CONNECT PLATE
- 4. REEL BELT
- 5. REEL GEAR TOTAL ASS'Y

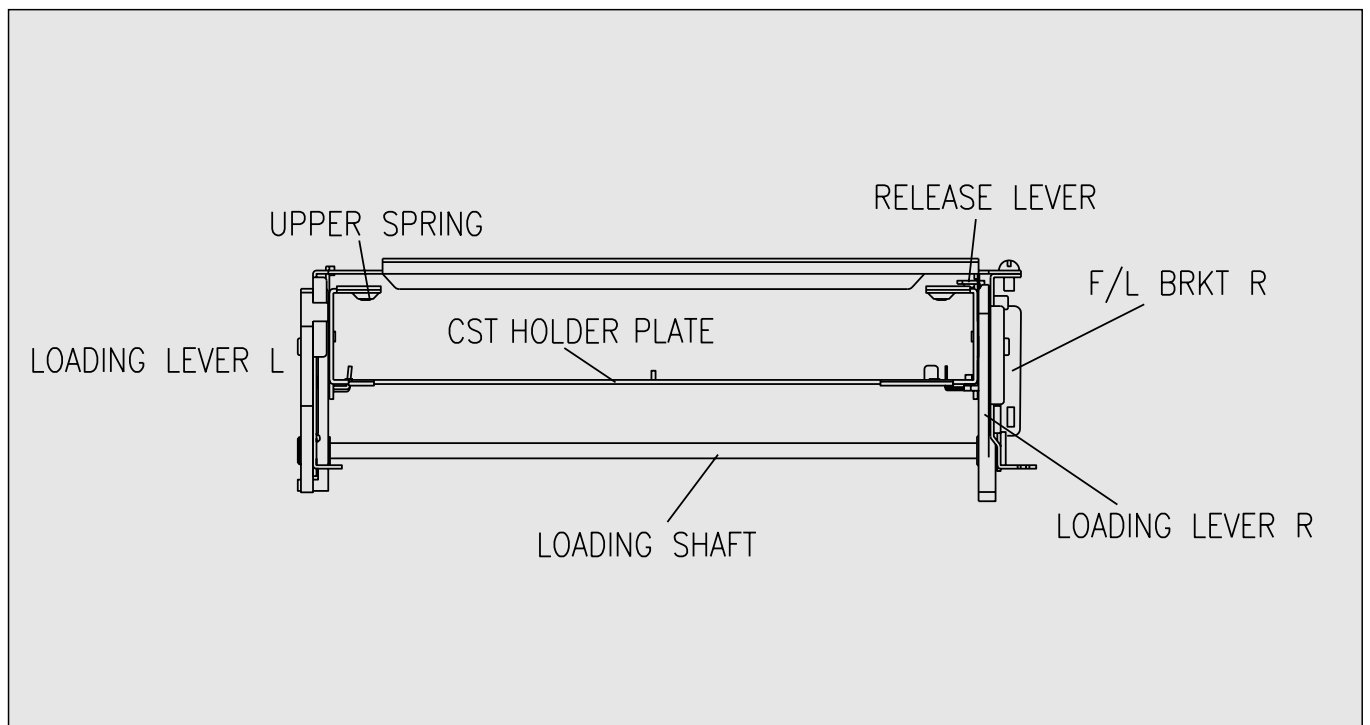
- 6. RECORD SAFETY LEVER
- 7. L LOADING ASS'Y
- 8. R LOADING ASS'Y
- 9. DRUM TOTAL ASS'Y
- 10. LOADING RACK ASS'Y

2-1-2) PARTS LOCATION OF FRONT LOADING ASS'Y

A. TOP VIEW



B. FRONT VIEW



2-2. PERIODIC MAINTENANCE AND SERVICE SCHEDULE

2-2-1) PERIODIC MAINTENANCE AND SERVICE SCHEDULE

A. In order to effectively maintain the excellent performance and fully utilize the features of this apparatus, and to lengthen the life of the mechanism and tapes, we strongly urge you to perform periodic maintenance and inspection, as described below.

✕ After repairing, do the maintenance described below, irrespective of the length of time in use.

B. Cleaning of the Head Drum Ass'y

- Clean the Drum assembly with a cleaning cloth soaked in liquid cleaner (alcohol) by placing lightly against the Drum and slowly revolving the rotating HEAD DRUM Ass'y by hand (Do not rotate the upper Drum by applying electric power to the motor when cleaning).
- Do not move the cleaning cloth in the vertical direction against the heat-tip.

C. Cleaning the tape transporting section.

- Clean the tape transporting parts with a cleaning cloth soaked in alcohol.

D. Cleaning of driving section

- Clean the driving section with a cloth soaked in alcohol.

E. Routine inspection

- Perform maintenance and inspection as separately described depending on the period of time in use.
- Refer to the table of 2-2-3.

2-2-2) CLEANING AND LUBRICATION

A. Cleaning of Tape Transporting section and Driving section

a. Cleaning of Tape Transporting section

— The following parts should be cleaned after every 500 hours of use.

- | | | |
|------------------|-------------------|-------------------|
| ▪ TENSION POLE | ▪ S SLANT POLE | ▪ AC HEAD/AE HEAD |
| ▪ S GUIDE POST | ▪ VIDEO HEAD/DRUM | ▪ T GUIDE POST |
| ▪ FE HEAD | ▪ T SLANT POLE | ▪ CAPSTAN SHAFT |
| ▪ S GUIDE ROLLER | ▪ T GUIDE ROLLER | ▪ PINCH ROLLER |
| ▪ VERTICAL POST | | |

— As the above parts contact with the video tape, they tend to collect dust particles. If they are stained with dust or foreign substance it has a bad effect on the picture and may lead to damage of the tape.

— After cleaning with alcohol, allow the parts to dry thoroughly before using a cassette tape.

b. Cleaning of Driving section

- | | | |
|--------------|---------------------------|---------------|
| ▪ REEL TABLE | ▪ CAPSTAN FLYWHEEL/PULLEY | ▪ REEL PULLEY |
|--------------|---------------------------|---------------|

B. LUBRICATION

- | | | |
|---------------|---------------------|------------------|
| ▪ S REEL POST | ▪ T REEL TABLE POST | ▪ REEL GEAR POST |
|---------------|---------------------|------------------|

— After cleaning these parts with alcohol, lubricate these with one or two drops of oil.

2-2-3) SERVICE SCHEDULE FOR THE MAJOR PARTS

The following parts should receive periodic service, according to the recommended intervals.

NAME	PERIODIC SERVICE (TIME)				
	1000	2000	3000	4000	5000
DRUM TOTAL ASS'Y	i	i	i	i	i
CAPSTAN MOTOR		i		⊙	
L/C BRKT TOTAL ASS'Y		⊙		⊙	
REEL BELT		⊙		⊙	
IDLER PLATE TOTAL ASS'Y		⊙		⊙	
REEL TABLE			⊙		
T SUB BRAKE ASS'Y		⊙		⊙	
TENSION BAND ASS'Y		⊙		⊙	
S MAIN BRAKE ASS'Y		⊙		⊙	
T MAIN BRAKE ASS'Y		⊙		⊙	
PINCH ROLLER ASS'Y		★	⊙	★	
AC HEAD ASS'Y			⊙		
FE HEAD					⊙
REEL GEAR TOTAL ASS'Y		⊙		⊙	

★ : Check and Replace if necessary.

⊙ : Replace

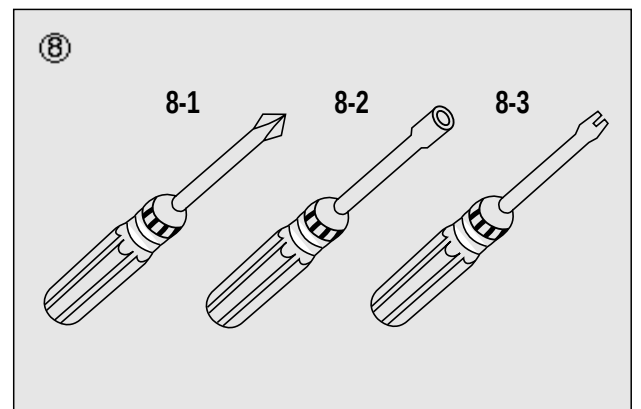
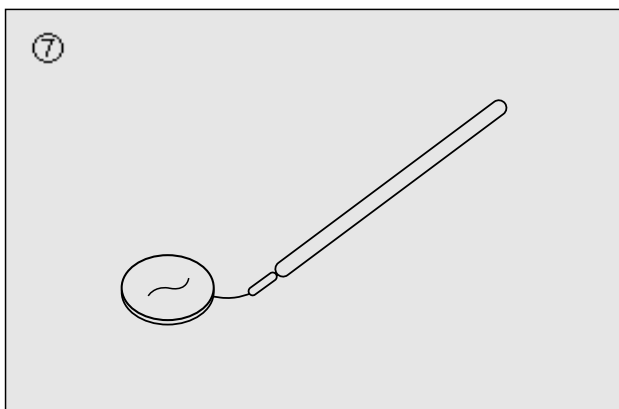
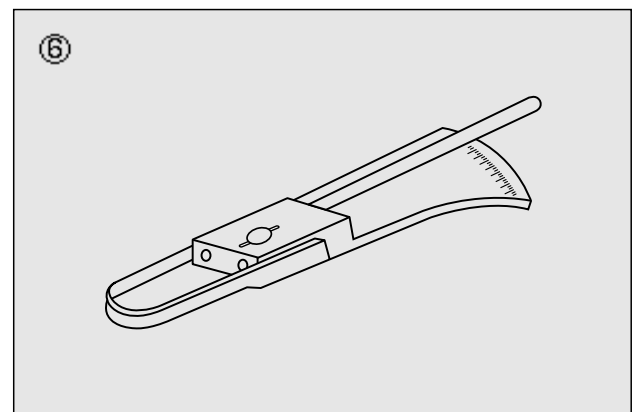
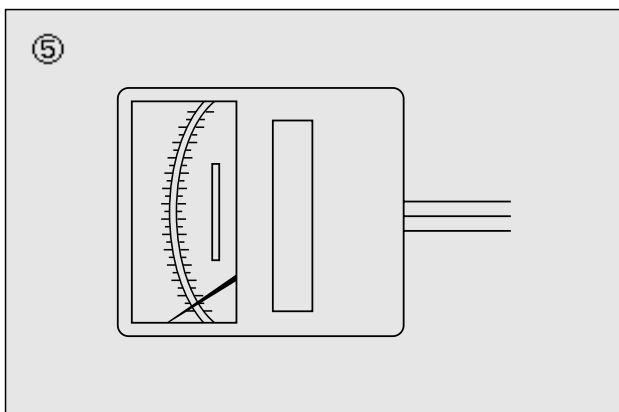
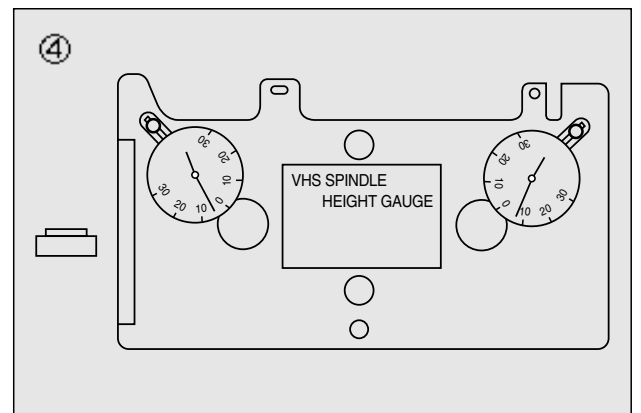
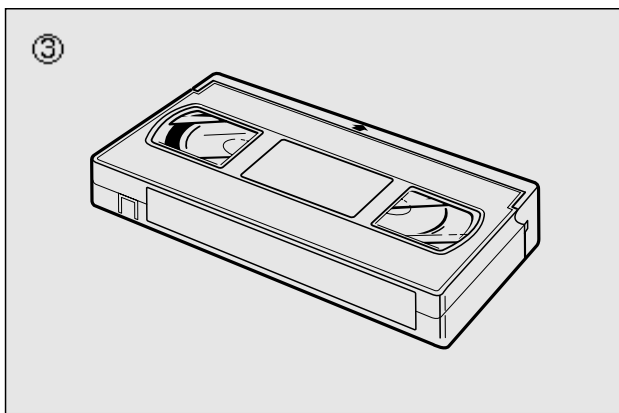
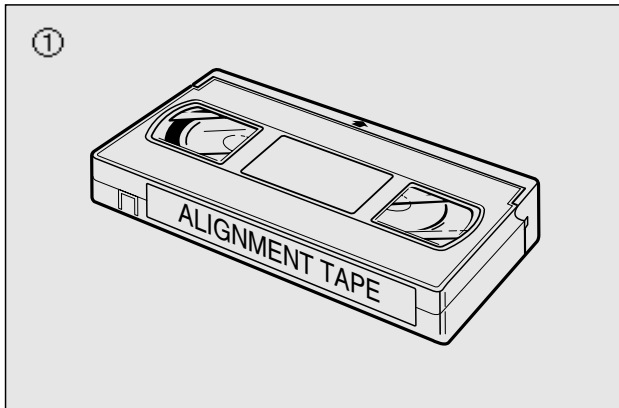
Note: Even though the unit is not used frequently, cleaning, lubrication and replacement of the belt should be undertaken every 2 years.

2-3. JIGS AND TOOLS

2-3-1) LIST OF JIGS AND TOOLS

NO	ITEMS	MODEL	FIG. NO	REMARKS
1	ALIGNMENT TAPE	NTSC: SP MONOSCOPE 7KHz SP COLORBAR 1KHz (EP MONOSCOPE) PAL/SCAM: SP MONOSCOPE 6KHz SP COLORBAR 1KHz (LP MONOSCOPE)	①	CHECKING OF THE TAPE TRANSPORTING SYSTEM
2	CLEANING TAPE (DAEWOO)	DHC-602V	②	CHECKING OF THE TAPE TRANSPORTING SYSTEM
3	CASSETTE TAPE (KOKUSAI)	KT-300NV KT-300RV	③	MEASUREMENT OF REEL TORQUE
4	VHS SPINDLE HEIGHT GAUGE	TSH-V4	④	MEASUREMENT OF REEL HEIGHT
5	TENTELO METER (TENTELO)	T2-H7-UM	⑤	MEASUREMENT OF THE BACK TENSION
6	FAN TYPE TENSION METER	BELOW 3KG	⑥	MEASUREMENT OF THE PRESSING FORCE FOR THE PINCH ROLLER
7	DENTAL MIRROR		⑦	CHECKING OF THE TAPE TRANSPORTING SYSTEM
8	+DRIVER		⑧-1	ASSEMBLY, DISASSEMBLY AND ADJUSTMENT
	HEX DRIVER		⑧-2	
	ADJUSTMENT DRIVER		⑧-3	

2-3-2) SKETCH OF JIGS AND TOOLS



3. DISASSEMBLY AND REPLACEMENT

3-1. FRONT LOADING ASS'Y REMOVAL (See Fig. 3-1)

NOTE:

The FRONT LOADING ASSEMBLY can be removed only in the eject position.

- a. Remove 2 screws ① fixing THE FRONT LOADING ASS'Y.

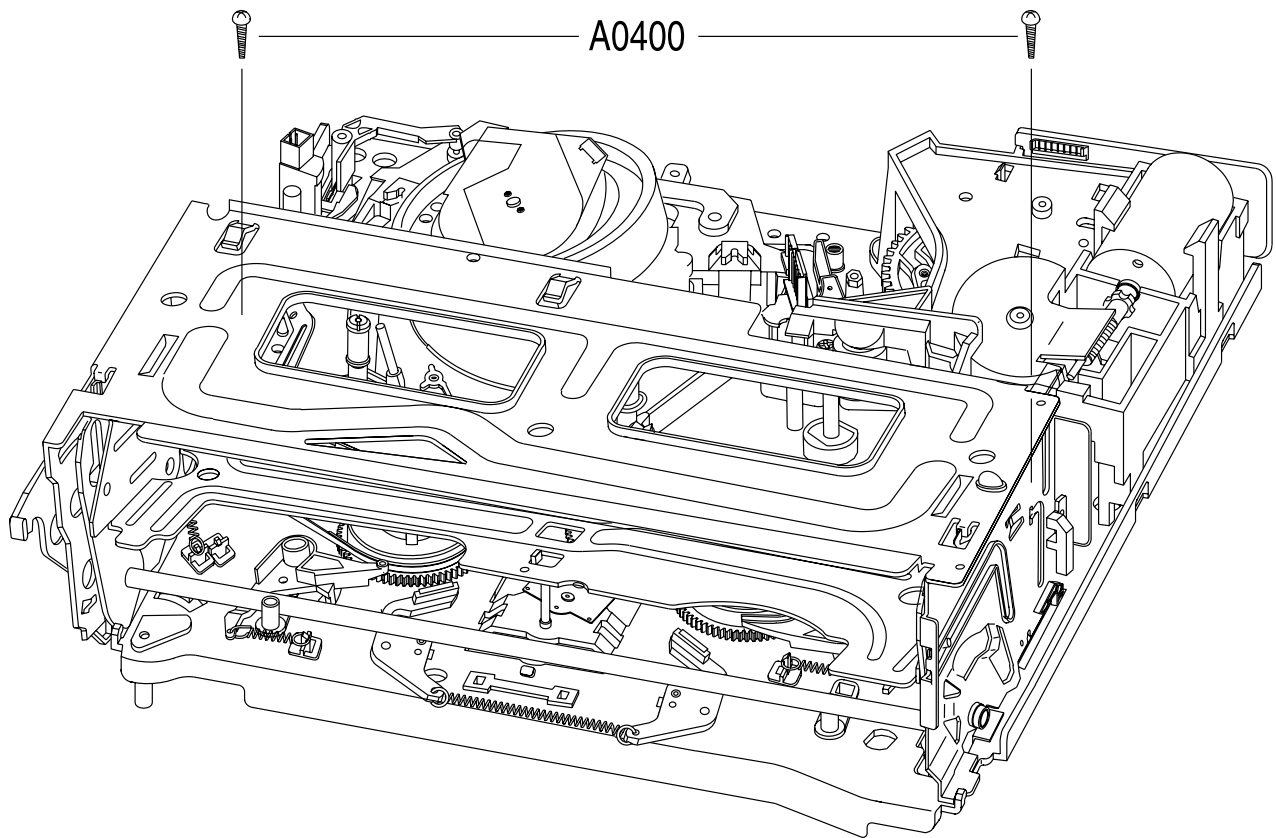


Fig.3-1 FRONT LOADING ASS'Y SEPARATION

3-2. DISASSEMBLY OF THE FRONT LOADING ASS'Y (See Fig. 3-2~3-6)

- a. Remove one screw holding the F/L BRACKET R and move the F/L BRACKET R in the direction of arrow to separate it from the TOP PLATE and CASSETTE HOLDER ASSEMBLY.
- b. Remove the CASSETTE HOLDER ASSEMBLY. (Fig. 3-2)

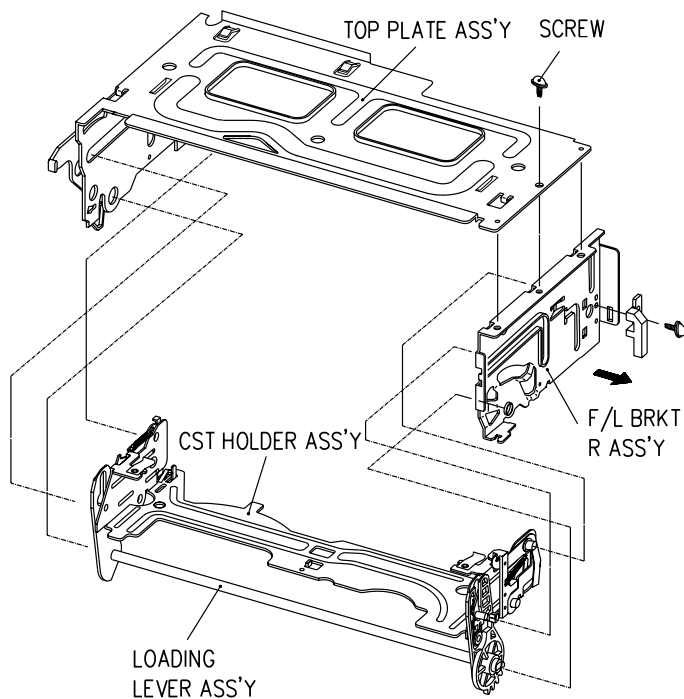


Fig.3-2 DISASSEMBLY OF THE FRONT LOADING ASS'Y

- c. Remove one screw holding the PRISM LINK R and remove the PRISM LINK R from the F/L BRACKET R. (Fig. 3-3)

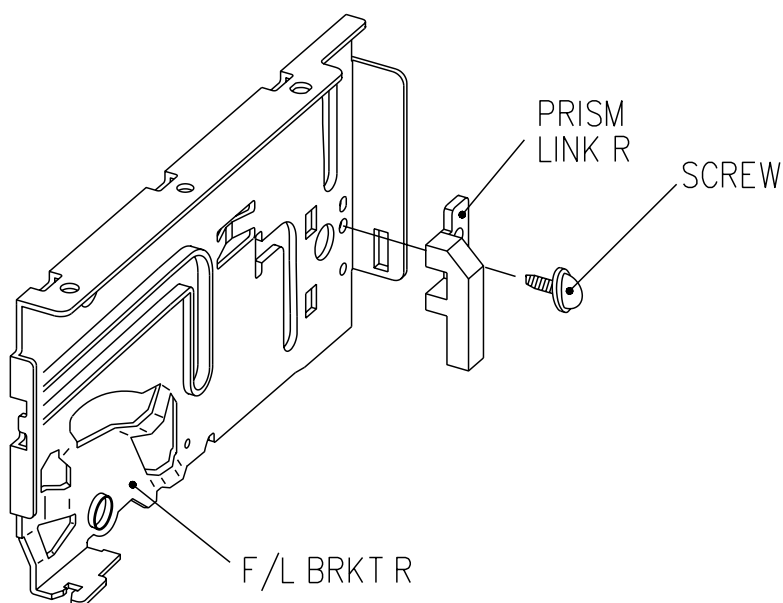


Fig.3-3 DISASSEMBLY OF THE F/L BRKT R

d. Remove one screw holding the PRISM LINK L. (Fig. 3-4)

e. Release the hook B by pushing it in the direction of the arrow and remove the DOOR OPENER. (Fig. 3-4)

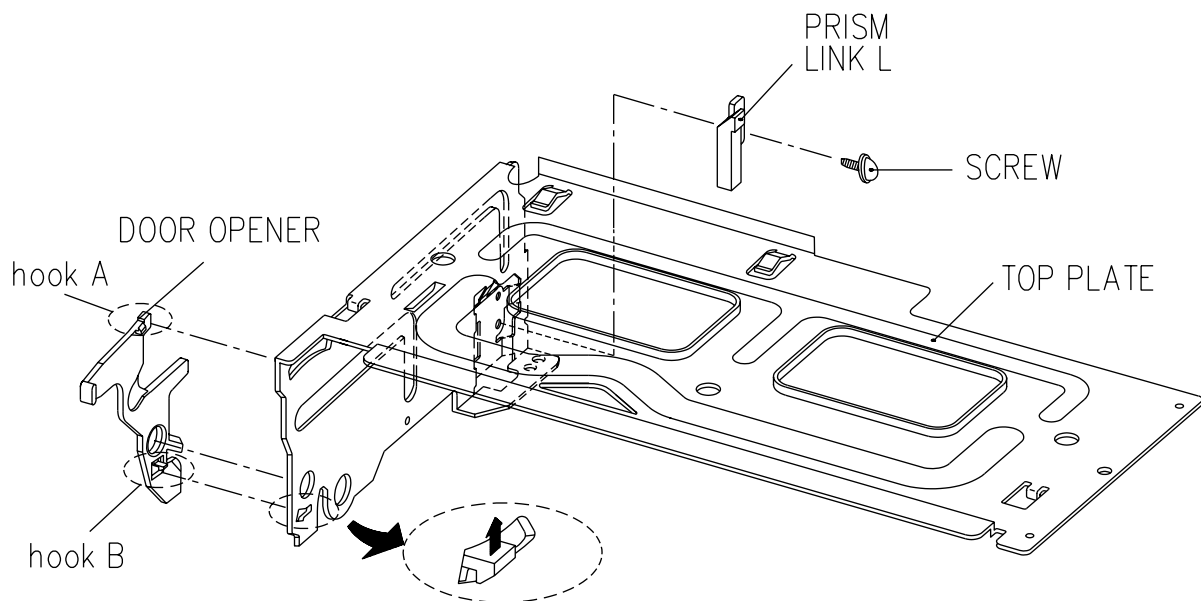


Fig. 3-4 DISASSEMBLY OF THE TOP PLATE

f. Remove the LOADING LEVER ASSEMBLY by pressing the connected section of the loading lever assembly in the directions of the arrows. (Fig. 3-5)

g. Remove the SAFETY SPRING between the SAFETY LEVER and the CASSETTE HOLDER PLATE. (Fig. 3-5)

h. Remove the RELEASE SPRING between the RELEASE LEVER and the SAFETY LEVER R. (Fig. 3-5)

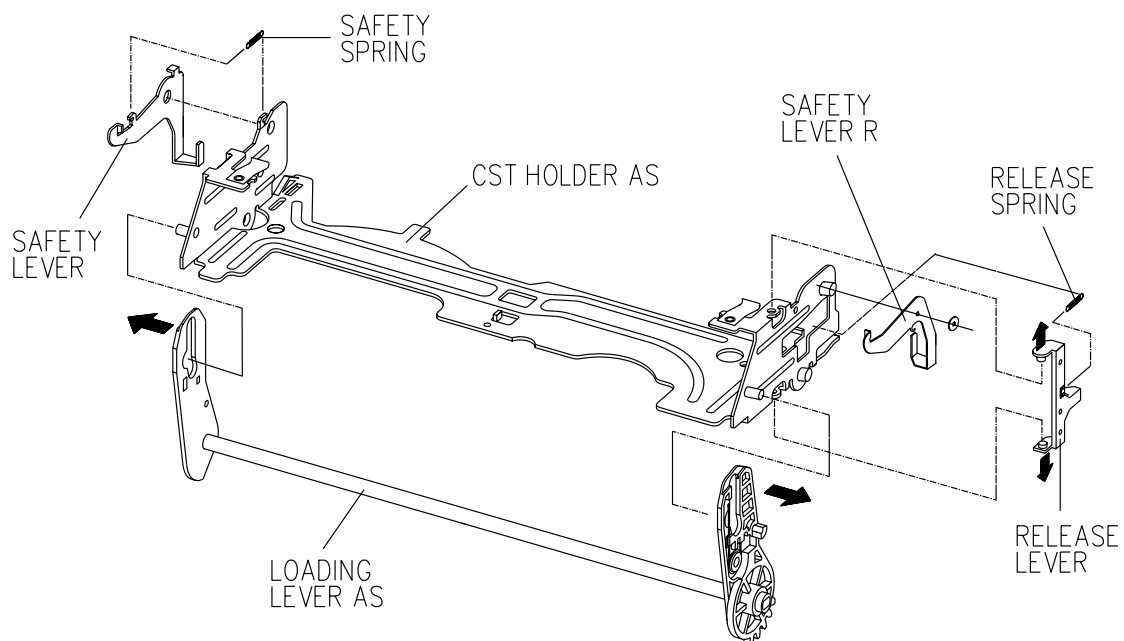


Fig.3-5 DISASSEMBLY OF THE CASSETTE HOLDER ASS'Y

NOTE:

Reassemble the FRONT LOADING MECHANISM in the reverse order. Confirm that the two bosses on the left side of the CASSETTE HOLDER AS are inserted into the groove on the left side of the top plate. Insert the two bosses on the right side of the cassette holder into the groove of the F/L BRACKET R (Fig. 3-6)

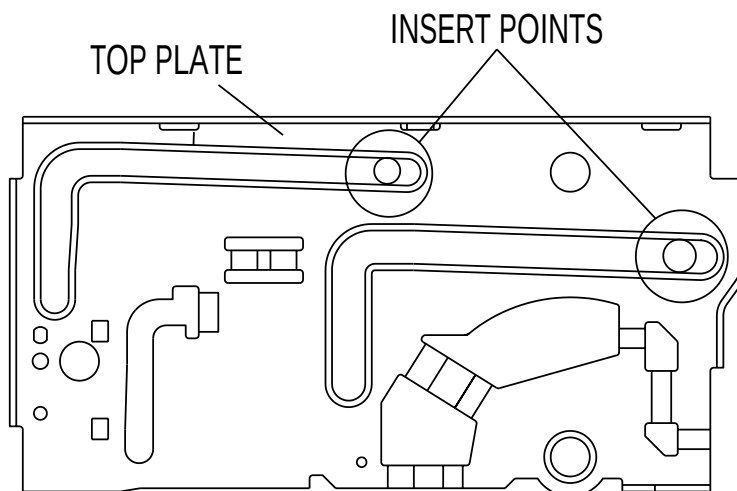


Fig.3-6 ASSEMBLY OF THE F/L ASS'Y

3-3. DRUM ASS'Y/EARTH BRACKET ASS'Y REMOVAL (See Fig.3-7)

- a. Remove three screws ① fixing the DRUM TOTAL ASSEMBLY.
- b. Carefully lift the DRUM TOTAL ASSEMBLY ② from the DECK MECHANISM, taking care not to damage or touch the VIDEO HEAD.

NOTE:

- After assembling the DRUM TOTAL ASSEMBLY, confirm that the TAPE runs smooth and refer to chapter 5 "ADJUSTMENT OF THE TAPE TRANSPORTING SYSTEM".
- When assembling the EARTH BRACKET ASSEMBLY, a 3x12 screw should be used and at the other parts, 3x10 screws should be used.

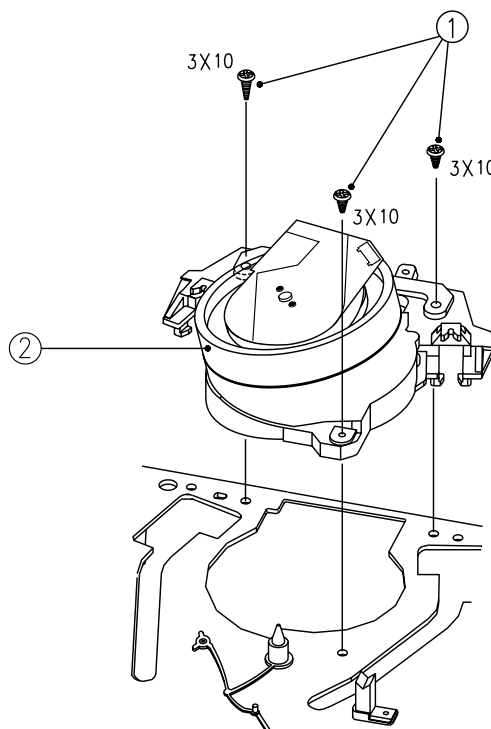


Fig.3-7 DRUM TOTAL ASS'Y & EARTH BRKT ASS'Y REMOVAL

3-4. REEL BELT, LOADING RACK ASS'Y, LOADING ASS'Y, S/T SLANT POLE ASS'Y REMOVAL (See Fig.3-8)

- a. Turn over the DECK MECHANISM and remove the REEL BELT ①.
- b. Remove one POLY WASHER ②.
- c. Remove the LOADING RACK ASS'Y ③.
- d. Remove R & L LOADING ASS'YS ④ and ⑤.
- e. Remove the S and T SLANT POLES ⑥ and ⑦ by pulling them in the directions of the arrows.

CAUTION:

- Take care not to get the GUIDE ROLLERS of the S/T SLANT POLES stained with GREASE
- When reassembling, refer to Fig. 3-9

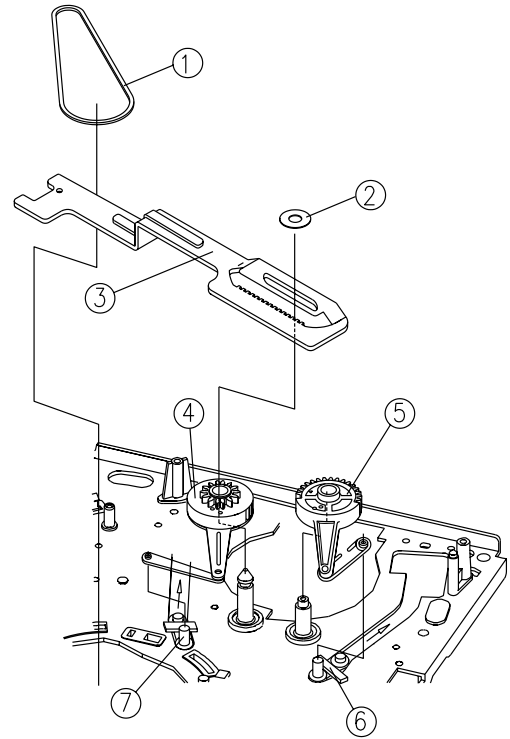


Fig.3-8 REEL BELT, LOADING RACK ASS'Y, R & L LOADING ASS'YS, S/T SLANT POLE ASS'Y REMOVAL

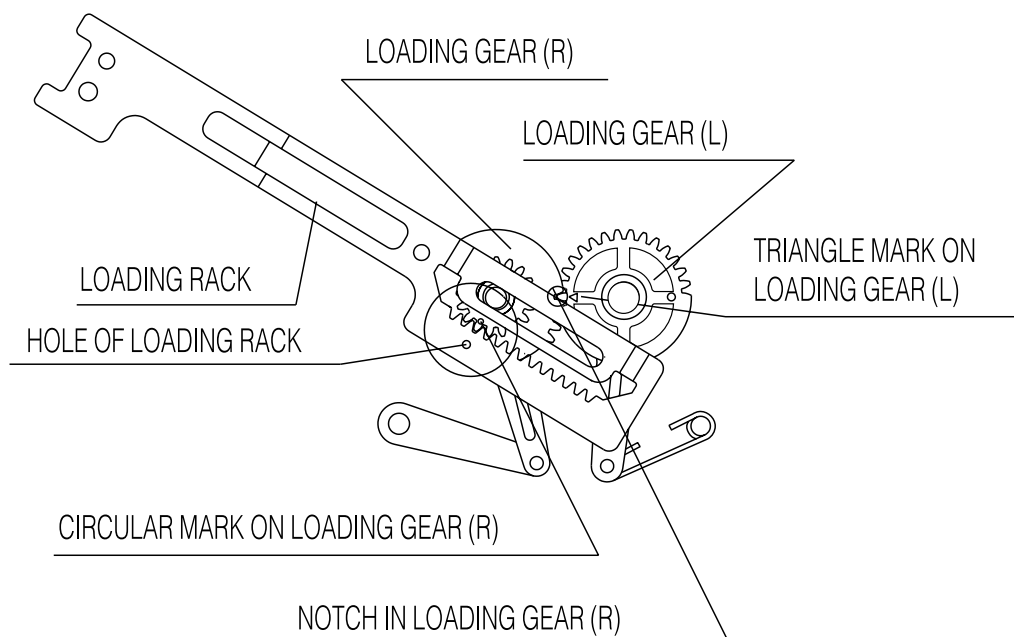


Fig.3-9 ASSEMBLY OF the R&L LOADING ASS'Y & LOADING RACK ASS'Y

3-5. A/C HEAD ASS'Y REMOVAL (See Fig.3-10)

- Remove one nut hex ① from the A/C HEAD POST ④ of the MAINBASE.
- Remove the A/C HEAD ASSEMBLY ② from the MAINBASE.
- Remove the A/C HEAD SPRING ③ from the A/C HEAD ASSEMBLY ②.

NOTE:

- After reassembling, adjust the TAPE TRANSPORTING SYSTEM referring to chapter 5 "ADJUSTMENT OF THE TAPE TRANSPORTING SYSTEM".
- After adjusting the TAPE TRANSPORTING SYSTEM, spread the A/C HEAD/NUT, AZIMUTH SCREW, and TILT SCREW with LOCKING PAINT.

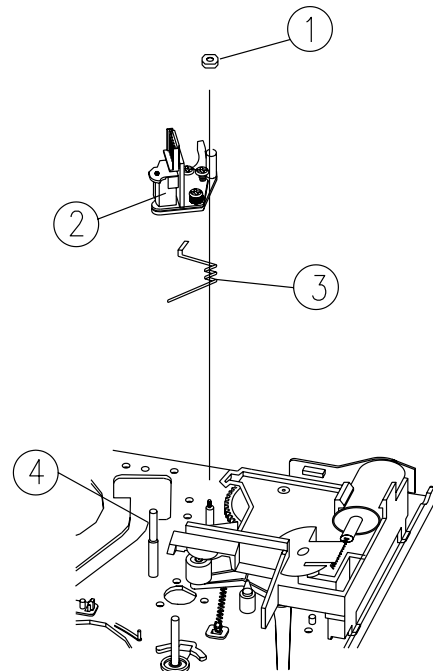


Fig.3-10 DISASSEMBLY OF THE AC HEAD ASS'Y

3-6. L/C BRACKET ASS'Y REMOVAL (See Fig.3-11)

- Remove one screw ① from the L/C BRACKET ASSEMBLY ②.
- Remove the L/C BRACKET ASSEMBLY ② from the MAINBASE.

3-7. PINCH LEVER

TOTAL ASS'Y REMOVAL (See Fig.3-11)

- Remove one POLY WASHER ③ from the PINCH LEVER POST of the MAINBASE.
- Unhook the PINCH LEVER SPRING ④ from the hook of MAINBASE ⑤ and remove the PINCH LEVER TOTAL ASSEMBLY ⑨.

CAUTION:

Take care not to coat GREASE, OIL or other substances on the surface of the PINCH ROLLER ⑩.

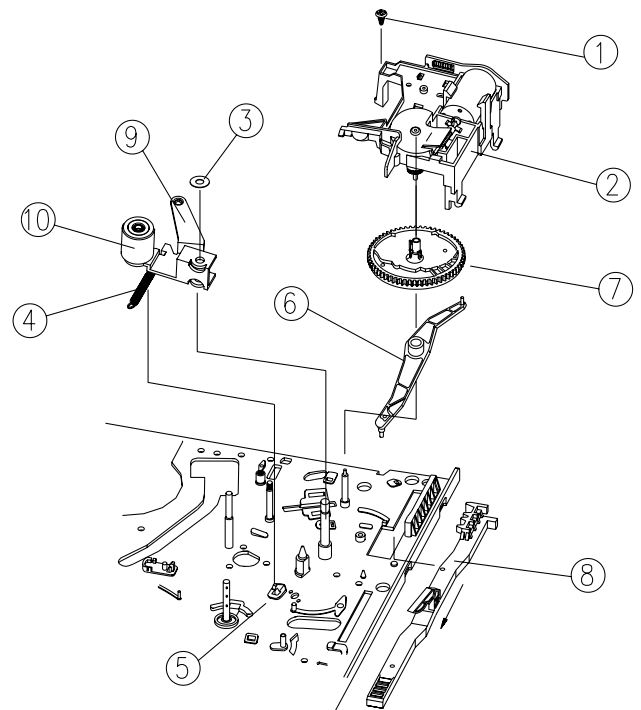


Fig.3-11 L/C BRKT, PINCH LEVER, CAM GEAR, RELAY LEVER, F/L RACK REMOVAL

3-8. CAM GEAR, RELAY LEVER AND F/L RACK REMOVAL (See Fig.3-11)

- Remove the CAM GEAR ⑦ from the MAINBASE. (Fig.3-11)
- Remove the RELAY LEVER ⑥ from the MAINBASE. (Fig. 3-11)
- Remove the F/L RACK ⑧ from the MAINBASE by pulling it in the direction of the arrow.

NOTE:

When reassembling, refer to Fig. 3-12, 13.

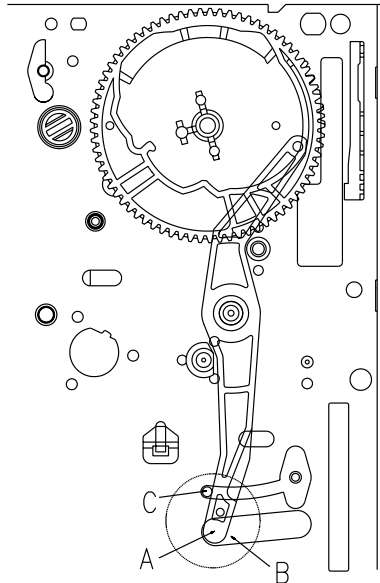


Fig.3-12 ASSEMBLY OF THE CAM GEAR & RELAY LEVER

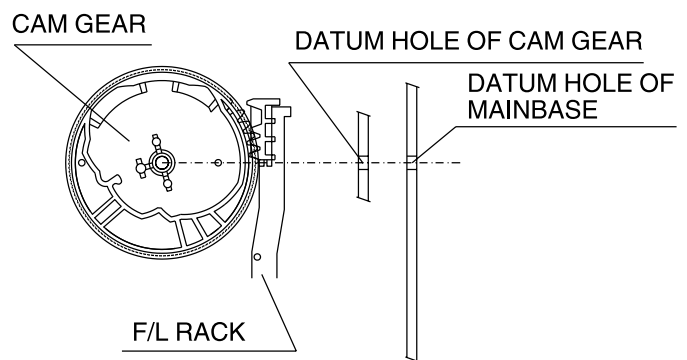


Fig.3-13 ASSEMBLY OF THE CAM GEAR & F/L RACK

3-9. S/T MAIN & SUB BRAKE ASS'Y REMOVAL (See Fig.3-14)

- Remove the S, T MAIN BRAKE Assembly from the MAIN VASE ⑧.
- Unhook the S SUB BRAKE SPRING ④ from the MAINBASE and remove the S SUB BRAKE LEVER ASSEMBLY ⑤ from the MAIN BASE ⑧.
- Unhook the T SUB BRAKE SPRING ⑥ from the MAINBASE and remove the T SUB BRAKE LEVER ASSEMBLY ⑦.

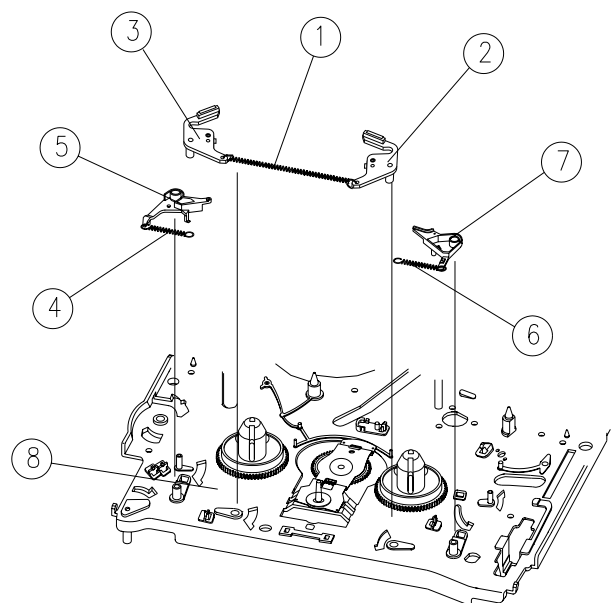


Fig.3-14 S/T MAIN & SUB BRAKES REMOVAL

3-10. TENSION BAND ASS'Y REMOVAL (See Fig.3-15, 3-16)

- Remove the TENSION SPRING ② from the MAINBASE ①. (Fig.3-15)
- Turn the DECK MECHANISM over. (Fig.3-16)
- After separating the tab of hook 'A', remove the TENSION BAND ASSEMBLY ③. (Fig.3-16)

NOTE:

- After assembling the TENSION BAND ASSEMBLY on the MAINBASE, adjust the position of TENSION POLE as shown Fig. 3-17.
- Avoid getting GREASE, OIL or foreign substance on the FELT of the BAND BRAKE.
- Take care not to deform tab 'A' when separating it .

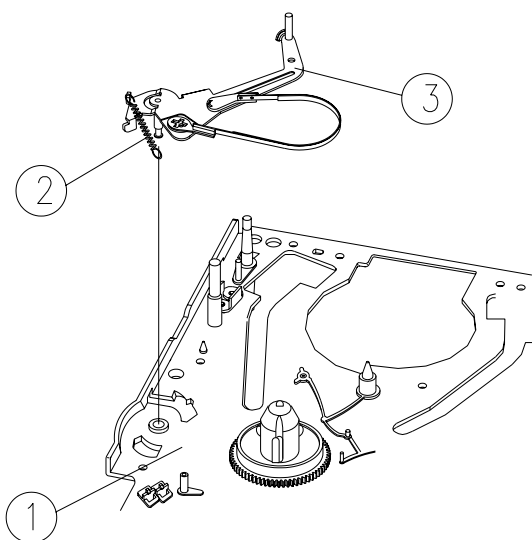


Fig.3-15 TENSION BAND ASS'Y REMOVAL (I)

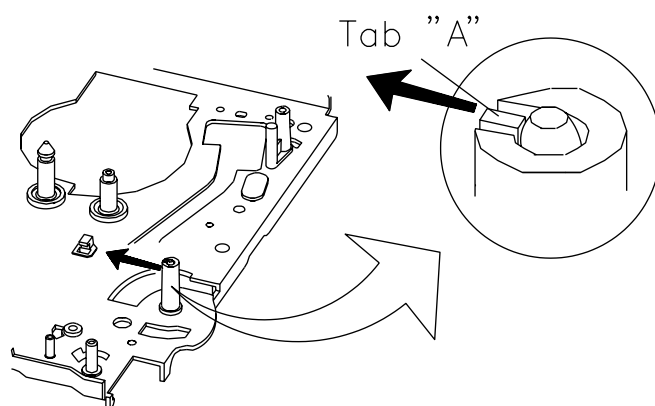


Fig.3-16 TENSION BAND ASS'Y REMOVAL (II)

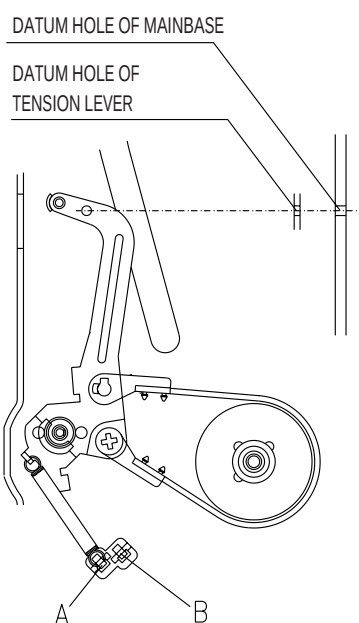


Fig.3-17 ADJUSTMENT OF THE TENSION POLE POSITION

3-11. CAPSTAN MOTOR REMOVAL (See Fig.3-18)

Remove 3 screws fixing the CAPSTAN MOTOR and separate the CAPSTAN MOTOR.

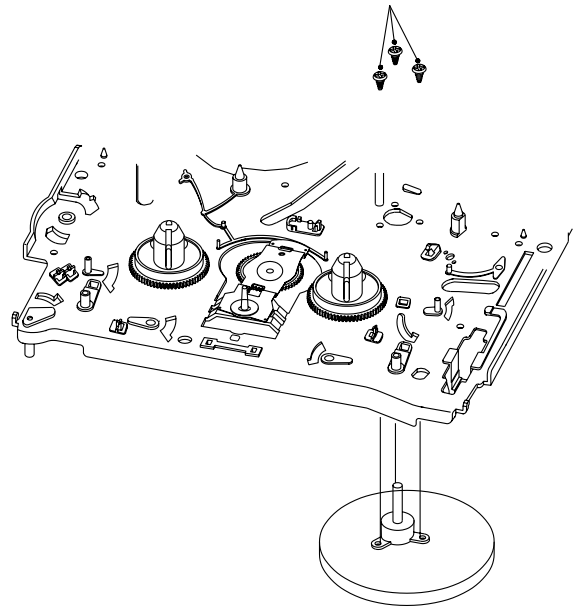


Fig.3-18 CAPSTAN MOTOR REMOVAL

3-12. IDLER PLATE TOTAL ASS'Y & S/T REEL TABLE REMOVAL (See Fig.3-19)

- a. Remove one POLY WASHER ① from the REEL GEAR POST ② and remove the IDLER PLATE TOTAL ASSEMBLY ③ from the MAIN BASE.
- b. Remove the S/T REEL TABLES ④ and two POLY SLIDERS ⑤ from the DECK MECHANISM.

CAUTION:

- When disassembling or assembling the IDLER PLATE TOTAL ASSEMBLY, take care not to bend it.

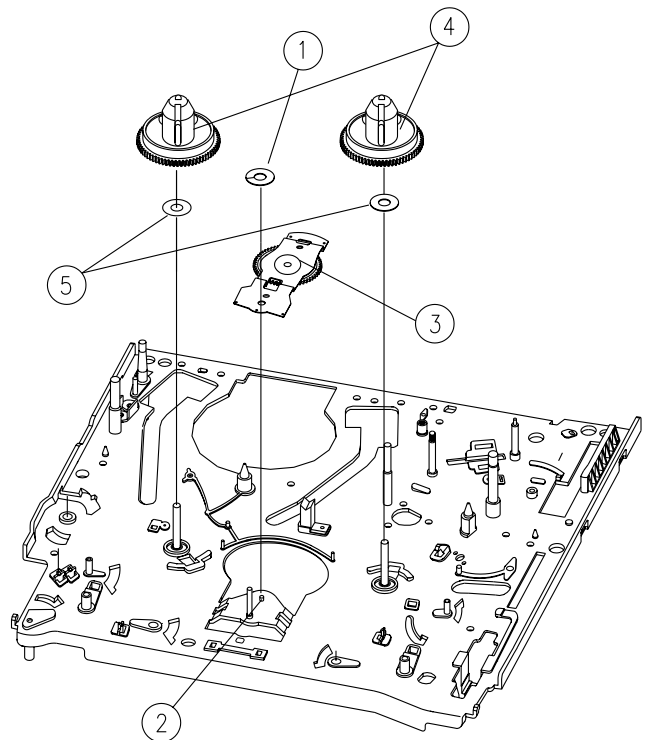


Fig.3-19 IDLER PLATE TOTAL ASS'Y &
S/T REEL TABLES REMOVAL

3-13. FE HEAD REMOVAL (See Fig.3-20)

Remove one screw ① fixing the FE HEAD and remove the FE HEAD ② from the MAINBASE.

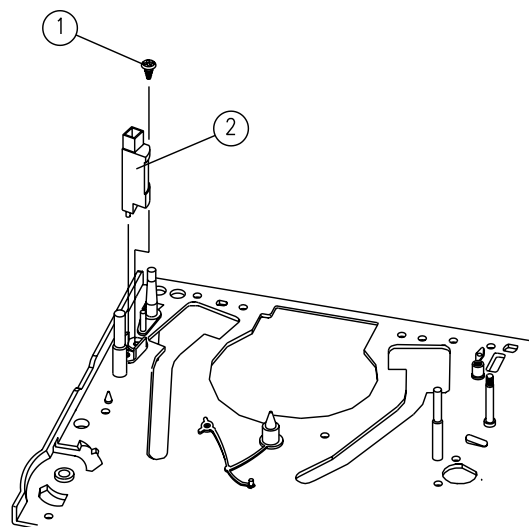


Fig.3-20 FE HEAD REMOVAL

3-14. REEL GEAR TOTAL ASS'Y & CONNECT PLATE REMOVAL (Fig.3-21)

- a. Turn over the DECK MECHANISM and remove one POLY WASHER ① from the REEL GEAR POST ②.
- b. After separating tab 'B' of the MAINBASE, remove the REEL GEAR TOTAL ASSEMBLY ③ from the MAINBASE.
- c. Remove the CONNECT PLATE ④ from the MAINBASE by pushing it in the direction of the arrow.

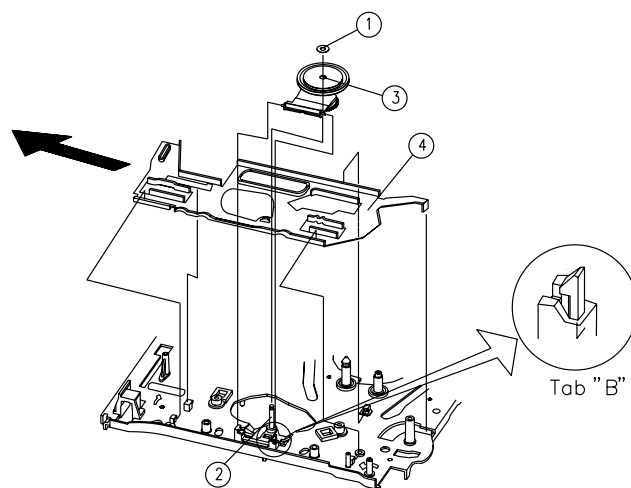


Fig.3-21 REEL GEAR TOTAL ASS'Y & CONNECT PLATE REMOVAL

NOTE:

- When removing the CONNECT PLATE with the F/L RACK installed, take care not to damage or bend the CONNECT PLATE.
- After assembling or disassembling the REEL GEAR TOTAL ASSEMBLY, take care not to get OIL, GREASE or other substances on the REEL BELT.
- Take care not to deform or break tab "B".
- Check the assembly state & the operating state of the REEL GEAR TOTAL ASSEMBLY before assembling.
- After reassembling, check the FF, REW, PLAY and REVIEW MODES and the existence of noise when operating the MODES.

4. MECHANICAL ADJUSTMENT

4-1. MECHANICAL ADJUSTMENT (See Fig.4-1~4-5)

When operational problems occur or the mechanism is reassembled, be sure to confirm the following INSTRUCTIONS.

- a. Make sure that the DATUM HOLE of the CAM GEAR is aligned with the DATUM HOLE in the MAINBASE in the EJECT mode, as shown in Fig.4-1.

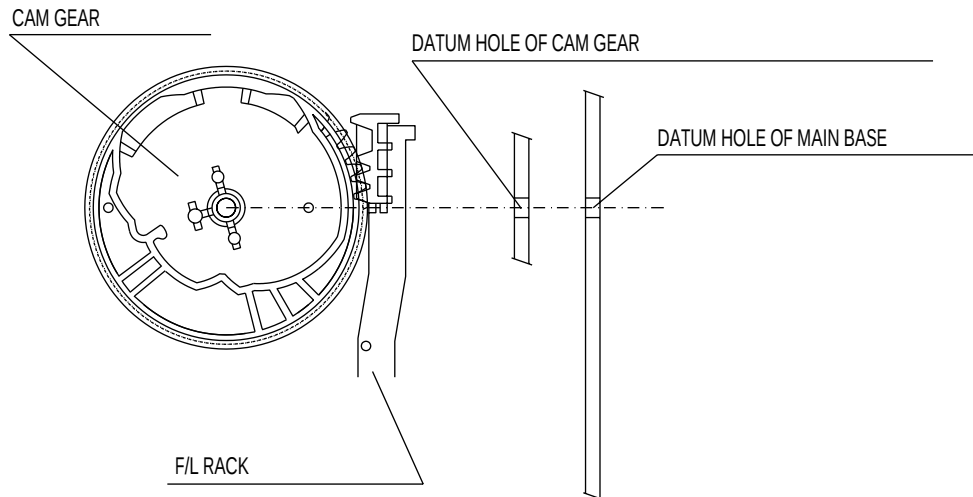


Fig.4-1 DATUM POSITION OF F/L RACK & CAM GEAR

- b. Make sure that part "A" of the RELAY LEVER, when assembled in the CONNECT PLATE, is fully rotated to the left side of "B" of the MAINBASE, and is touching boss "C" of the MAINBASE as, shown in Fig.4-2.

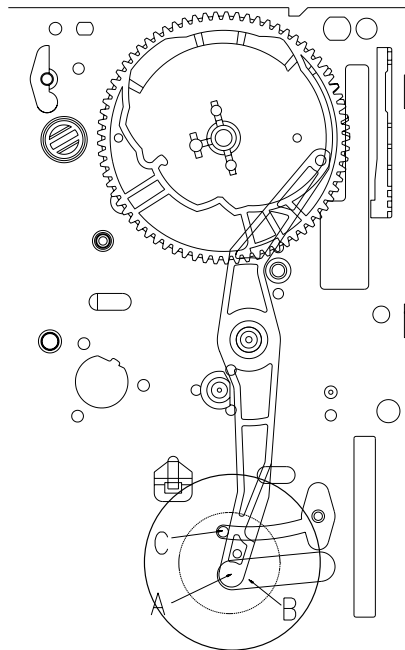


Fig.4-2 DATUM POSITION OF RELAY LEVER & CAM GEAR

- c. When reassembling the L/C BRACKET TOTAL ASSEMBLY on the MAINBASE, make sure that the two triangular marks of CAM SWITCH are aligned with each other as shown in Fig.4-3.

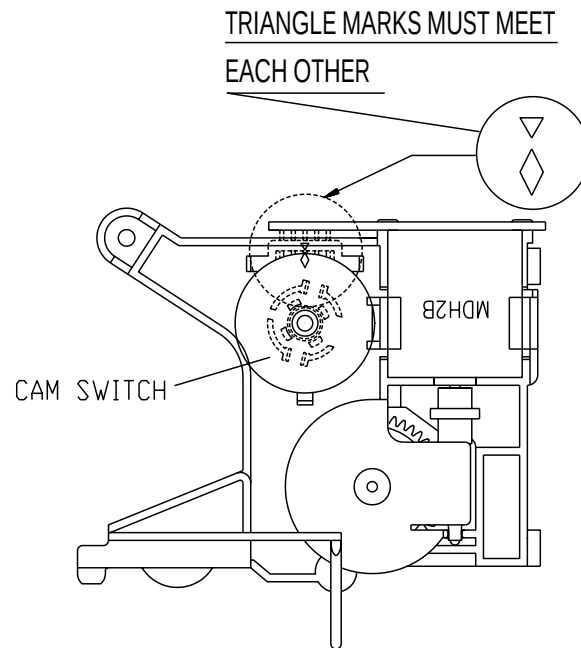


Fig.4-3 DATUM POSITION OF CAM SWITCH TRIANGULAR MARKS

- d. Make sure that boss "A" of the PINCH LEVER TOTAL ASSEMBLY is positioned at point "B" of the CAM GEAR, as shown in Fig.4-4.

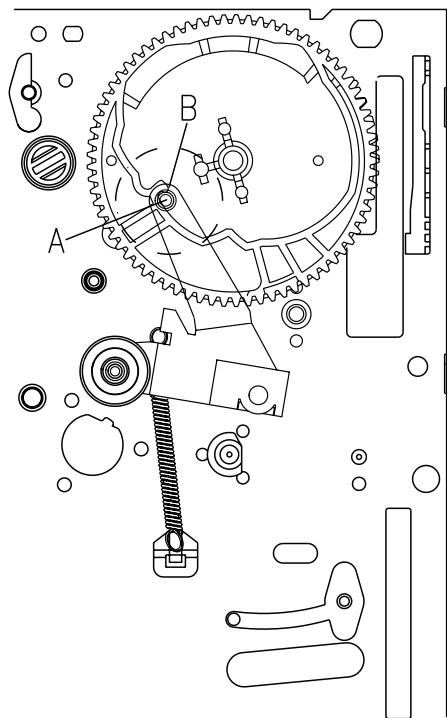


Fig.4-4 DATUM POSITION OF PINCH LEVER TOTAL ASS'Y & CAM GEAR

- e. Make sure that the triangular mark "A" on the L LOADING ASSEMBLY is aligned with the notch "B" on the R LOADING ASSEMBLY as shown in Fig. 4-5.
- f. Make sure that the teeth of the LOADING RACK ASSEMBLY are aligned with those of the R LOADING ASSEMBLY so that the hole of the LOADING RACK ASSEMBLY aligns with the circular mark on the R LOADING ASSEMBLY, as shown in Fig.4-5.

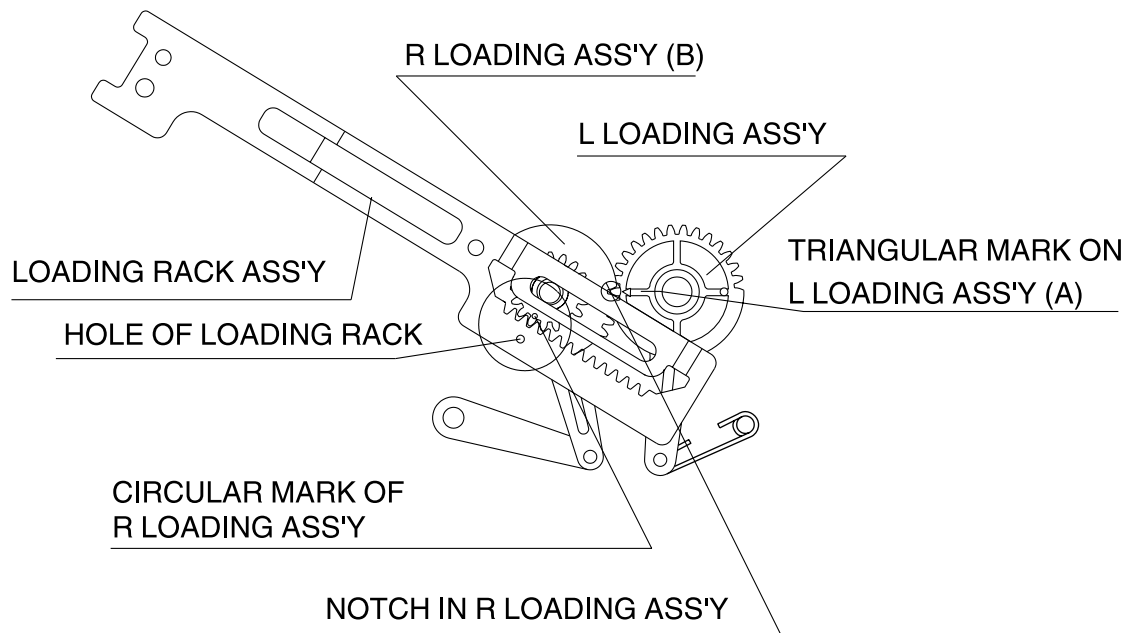


Fig.45 DATUM POSITION OF LOADING RACK ASS'Y & R/L LOADING LEVER ASS'YS

4-2. BACK TENSION MEASUREMENT (See Fig.4-6~4-7)

- Confirm that the position of the TENSION POLE is correctly POSITIONED. Refer to the "4-4 TENSION POLE POSITION ADJUSTMENT".
- Play back a T-120 TAPE at its center position without assembling F/L ASSEMBLY and wait until the TAPE running is stabilized (about 5~10 seconds).
- Bring the TENTELOMETER into contact with the TAPE (Fig.4-6) and measure the BACK TENSION. The measuring result should be between 25 and 33 grams.
- If the measuring result is not within this specification, refer to the NOTE below or repeat "4-4 TENSION POLE POSITION ADJUSTMENT". (Fig. 4-7)

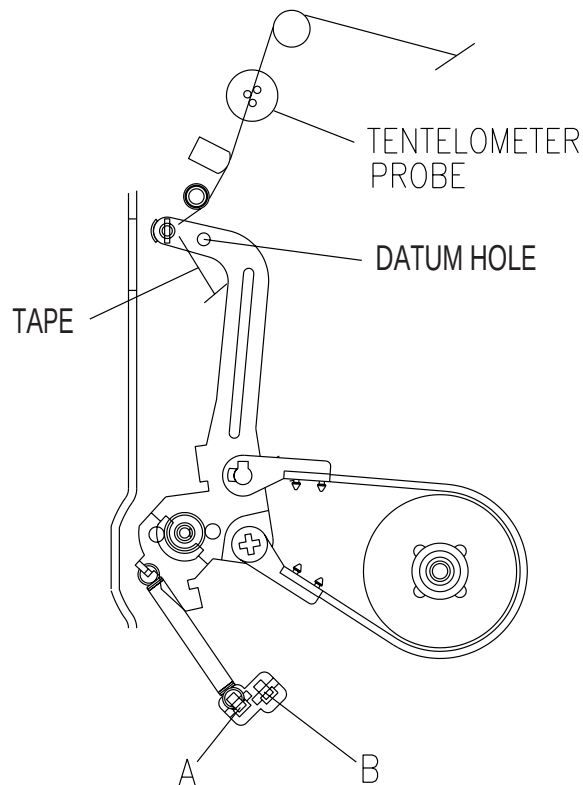


Fig.4-6 BACK TENSION MEASUREMENT

NOTE:

- If the measuring result is not within the specification, change the TENSION SPRING position. (To decrease the result, choose hook A. Otherwise, choose hook B).
- Confirm that all of the three probes of the TENSION METER are in contact with the TAPE. During this process, don't touch any other parts of the MECHANISM (i.e, MAINBASE).
- It is recommended that this measurement be repeated at least three times for an accurate reading.

4-3. MECHANICAL MODE (OPERATING THE VCR WITHOUT A CASSETTE TAPE)

- a. Remove the FRONT LOADING MECHANISM from the DECK MECHANISM.
- b. Pull the F/L RACK.
- c. The S/T POLE BASES are loaded and PLAY BACK MODE starts.
- d. Turn off the power when the MECHANISM is in the desired position.

4-4. TENSION POLE POSITION ADJUSTMENT

- a. MAKE MECHANICAL MODE be PLAY MODE. Refer to "4-3 MECHANICAL MODE".
- b. Confirm that the datum hole of TENSION LEVER is aligned with the datum hole of the MAIN BASE.
- c. If requirement "b" is not satisfied, turn the BAND BRAKE ADJUST CAP clockwise or counter-clockwise until the two datum hole are aligned with each other.

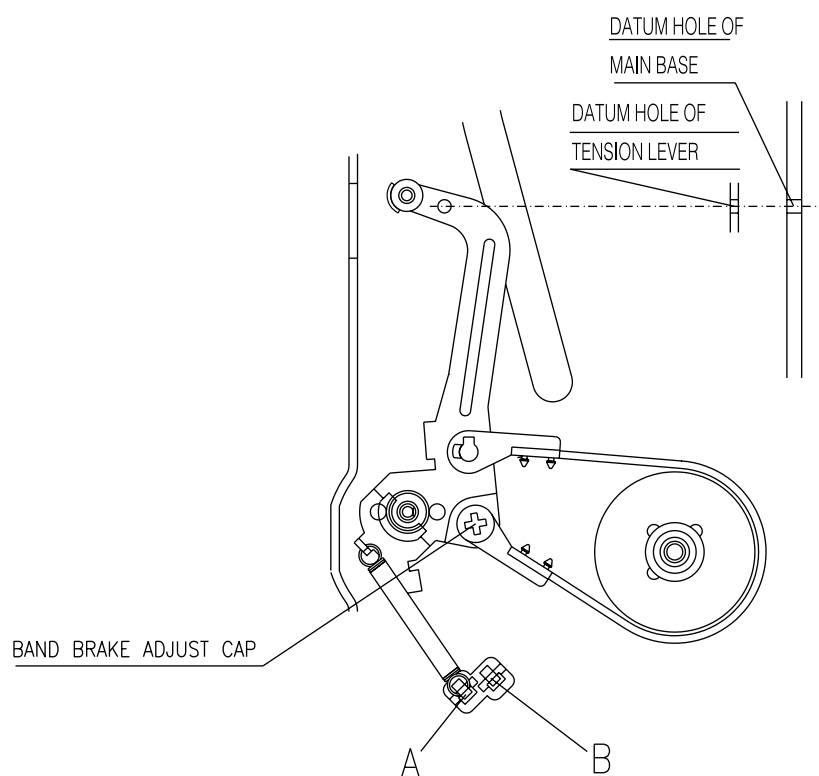


Fig.4-7 TENSION POLE POSITION ADJUSTMENT

5. ADJUSTMENT OF TAPE TRANSPORTING SYSTEM

Generally the TAPE TRANSPORTING SYSTEM has been precisely adjusted in the factory and does not ordinarily require readjustment. But when noise and tape damage take place and part assemblies that compose the TAPE TRANSPORTING SYSTEM are replaced, check and readjust the TAPE TRANSPORTING SYSTEM. Refer to the following FLOW CHART in order to adjust the TAPE TRANSPORTING SYSTEM.

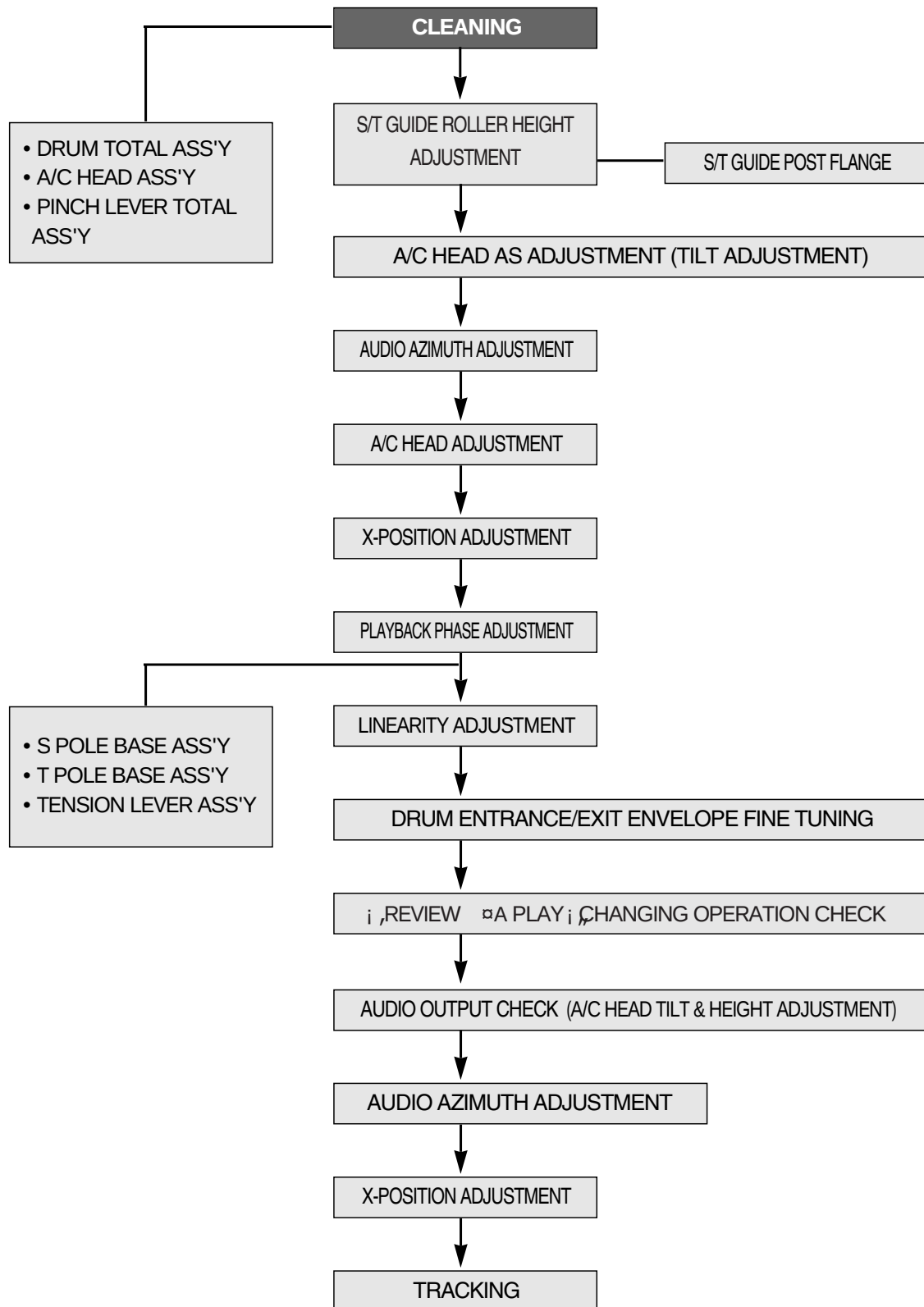


Table.1 ADJUSTMENT FLOW DIAGRAM OF THE TAPE TRANSPORTING SYSTEM

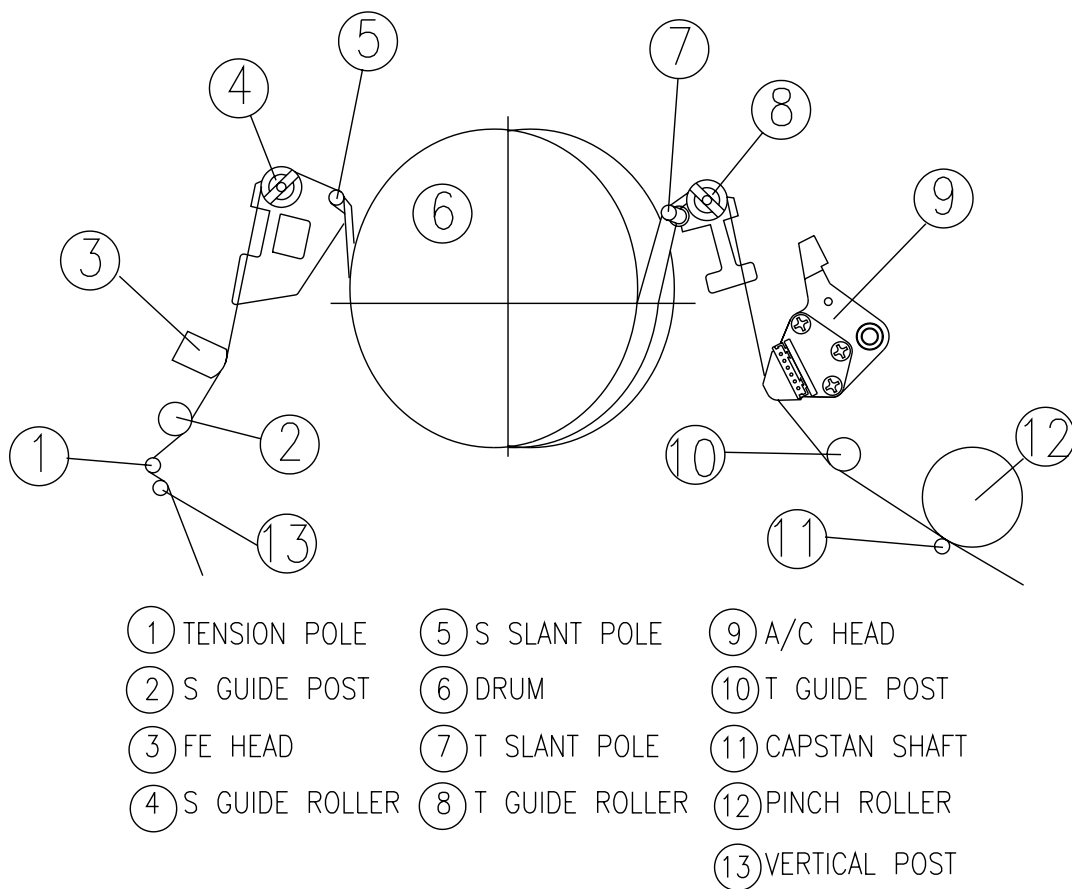


Fig. 5-1 THE SCHEMATIC DIAGRAM OF TAPE TRANSPORTING SYSTEM

When the parts as shown in Fig. 5-1 are replaced, the TAPE TRANSPORTING SYSTEM has changed. To prevent this, it is essential to know thoroughly and observe the following INSTRUCTIONS.

A. ADJUSTMENT OF THE S/T GUIDE ROLLER

- Play back a T-120 TAPE.
- Make sure that excessive TAPE wrinkle does not occur at each S/T GUIDE ROLLER.
- If TAPE wrinkle is observed at the S/T GUIDE ROLLER, adjust them so that no wrinkle occurs.

B. ADJUSTMENT OF THE A/C HEAD ASS'Y (TILT ADJUSTMENT)

- Play back a T-120 Tape and check the running condition of the TAPE at the lower flanges of the T GUIDE POST ASS'Y in Fig. 5-1.
- Adjust the A/C HEAD TILT SCREW untill the TAPE runs stable as shown in Fig. 5-2

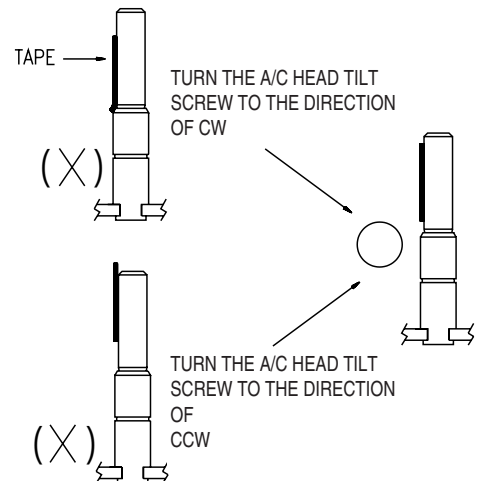


Fig. 5-2 A/C HEAD ASS'Y ADJUSTMENT
(TILT ADJUSTMENT)

C. ADJUSTMENT OF THE AUDIO AZIMUTH (See Fig.5-3)

- Play back the ALIGNMENT CASSETTE TAPE (NTSC: DN2 (SP, 7KHz), PAL: DP2 (SP, 6KHz))
- Observe audio signals on an OSCILLOSCOPE.
- Turn the A/C HEAD AZIMUTH SCREW to obtain the maximum audio output signal (-9~-3dBm).

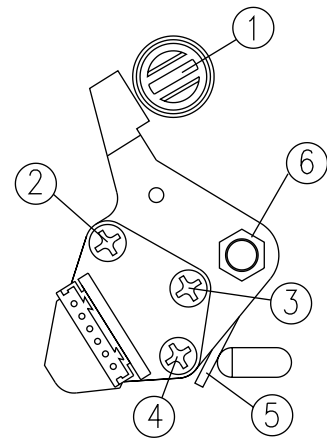


Fig. 5-3 A/C HEAD ASS'Y

D. THE HEIGHT ADJUSTMENT OF A/C HEAD

- Play back a T-120 TAPE.
- Make sure that the gap is 0.25mm between the lower end of TAPE and that of A/C HEAD.
- When the gap is longer than 0.25mm, turn the A/C HEAD HEIGHT ADJUST NUT counter-clockwise. When the gap is shorter than 0.25mm, turn it clockwise. Repeat this procedure untill 0.25mm is obtained.

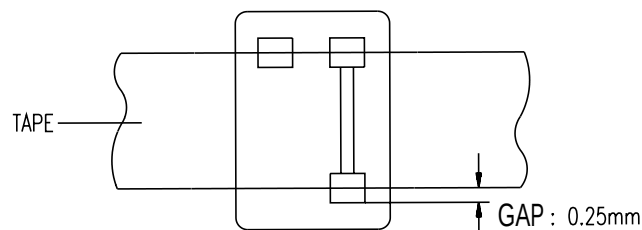


Fig. 5-4 A/C HEAD ASS'Y ADJUSTMENT (HEIGHT ADJUSTMENT)

E. X-POSITION ADJUSTMENT

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	ADJUST BOSS	MAIN BASE.

- Connect the path adjustment fixture to PT01 of the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE (COLOR BAR ALIGNMENT).
- Connect channel-1 scope probe to S/W PULSE TEST PIN of PATH ADJ, FIXTURE.
- Connect channel-2 scope probe to ENVELOPE TEST PIN of PATH ADJ, FIXTURE.
- Turn the VR CONTROL to the center point. (If the VR CONTROL is completely turned counter-clockwise, it is positioned on another tracking center.)
- With the VR CONTROL in the center state, turn the ADJUST BOSS by using FLAT TYPE SCREW DRIVER and adjust the X-POSITION to obtain the maximum envelope waveform.

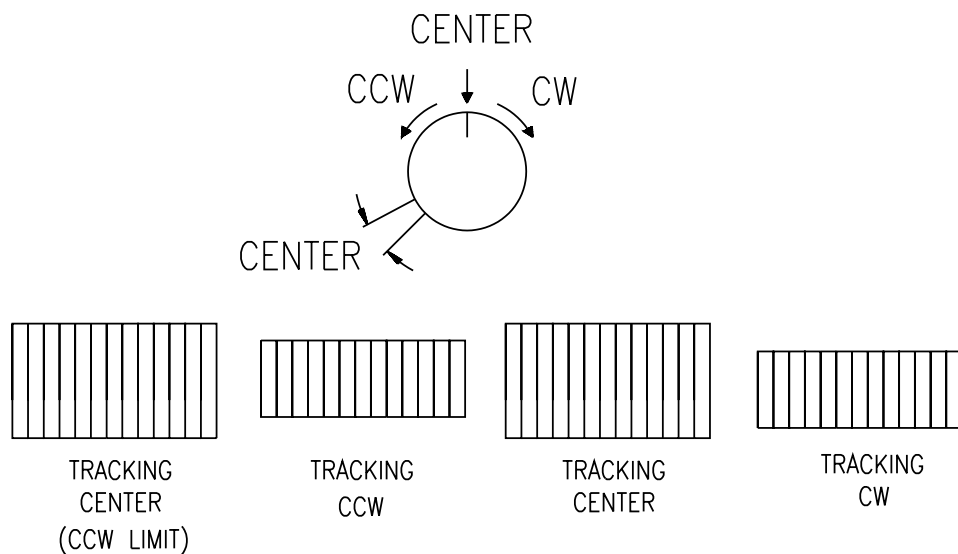


Fig. 5-5 X-POSITION ADJUSTMENT

F. PLAYBACK PHASE ADJUSTMENT (See Fig. 5-6)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	VIDEO OUT	MAIN CIRCUIT BOARD
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR595 (PG SHIFTER)	MAIN CIRCUIT BOARD

Phase generator (PG) shifter decides the VIDEO HEAD switching point when a TAPE is played back. In case the Phase generator (PG) shifter isn't correctly tuned, HEAD switching noise or vertical jitter may occur.

- Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
- Play the ALIGNMENT TAPE (COLOR BAR SIGNAL OR MONOSCOPE SIGNAL)
- Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
- Connect the channel-2 scope probe(1V/div.) to the VIDEO OUT of the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE.
- Adjust the PG volume for time interval of $6.5H \pm 0.5$ between switching pulse and V-sync signal.

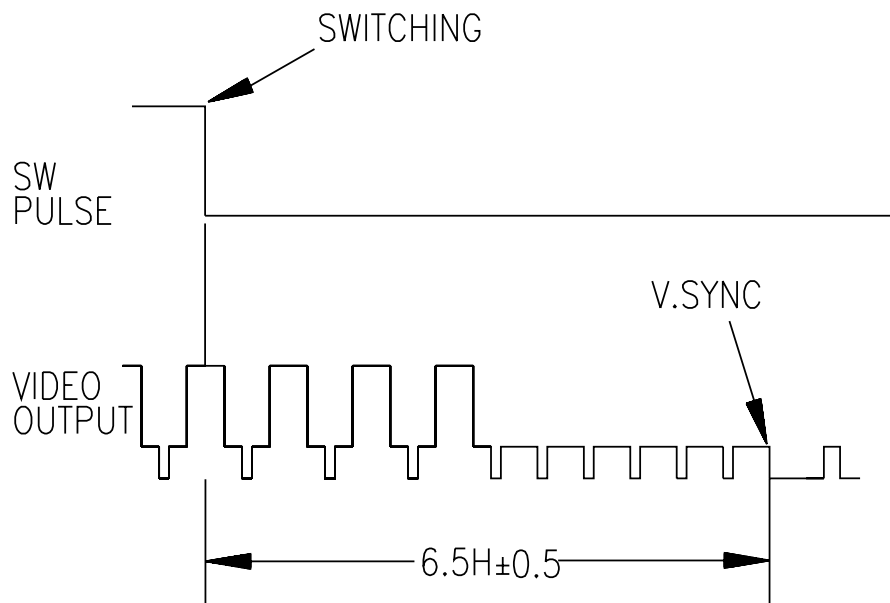


Fig. 5-6 PLAYBACK PHASE ADJUSTMENT

G. LINEARITY ADJUSTMENT

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTING SYSTEM

- Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE (COLOR BAR SIGNAL).
- Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
- Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
- Adjust the VR CONTROL of the PATH ADJ. FIXTURE for maximum envelope signal output of the alignment tape.
- Adjust the S/T GUIDE ROLLER until the envelope signal waveforms of the entrance and exit sides are as shown in Fig. 5-7.

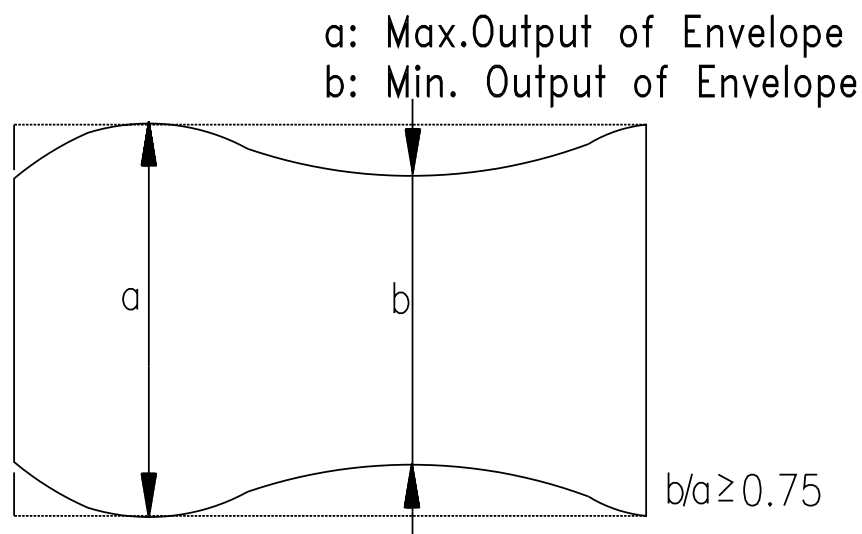


Fig. 5-7 LINEARITY ADJUSTMENT

H. DRUM ENTRANCE /EXIT (See Fig. 5-8, 5-9)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTING SYSTEM

- Connect the PATH ADJ. FIXTURE to PT01 the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE (COLOR BAR SIGNAL).
- Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
- Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
- When turning the VR CONTROL of the PATH ADJ. FIXTURE clockwise or counter-clockwise, affirm that the envelope thickness changes uniformly.
- If the envelope is not uniform and regular, adjust the S/T GUIDE ROLLER.

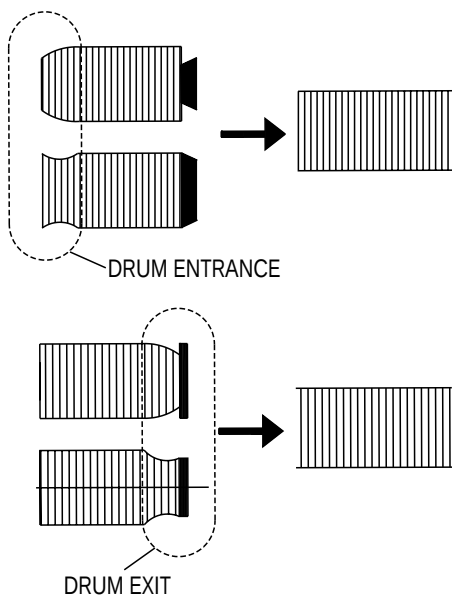


Fig. 5-8 FINE TUNING OF THE ENVELOPE AT THE DRUM ENTRANCE/EXIT (I)

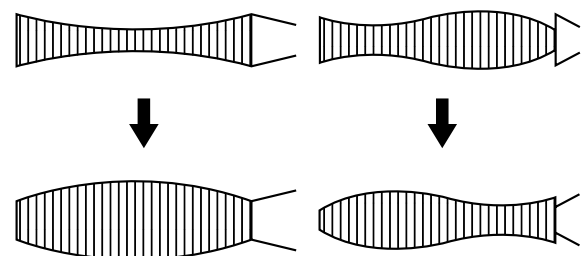


Fig.5-9 FINE TUNING OF THE ENVELOPE AT THE DRUM ENTRANCE/EXIT (II)

I. REVIEW →PLAY (See Fig. 5-10)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTIN SYSTEM

- Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE (SP, COLOR BAR SIGNAL).
- Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
- Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
- Adjust the VR CONTROL of the PATH ADJ. FIXTURE to the center to obtain the maximum envelope signal of the ALIGNMENT TAPE.
- After operating the VCR in the REVIEW MODE about 15 secs, change the REVIEW MODE to the PLAY BACK MODE.
- Change operation mode from REVIEW MODE to PLAY MODE and then make sure that the envelope waveform is restored to the maximum condition within 3 seconds.
- If the requirement is not satisfied, make sure that the TAPE runs normal at the lower part of the T GUIDE POST. Then adjust the S/T GUIDE ROLLER precisely.

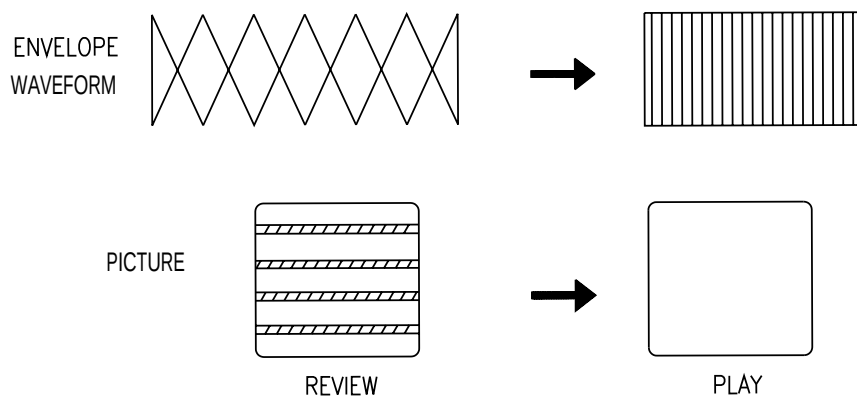


Fig. 5-10 CHECK OF TRANSITIONAL OPERATION (FROM REVIEW WAVEFORM TO PLAY WAVEFORM)

J. AUDIO OUTPUT (A/C HEAD TILT & HEIGHT ADJUSTMENT)

TEST POINTS	AUDIO OUTPUT	AUDIO OUTPUT JACK
MEASURING EQUIPMENT	OSCILLOSCOPE	

- Connect the OSCILLOSCOPE to the AUDIO OUTPUT JACK.
- Play back the ALIGNMENT TAPE (NTSC: DN1 (SP, 1KHz), PAL: DP1 (SP, 1KHz)).
- Check the AUDIO OUTPUT SIGNAL is -9~-3dBm.
- If the requirement "c" is not satisfied, adjust the A/C HEAD TILT SCREW and A/C HEAD HEIGHT NUT to obtain the maximum audio output. (Fig. 5-3)

K. A/C HEAD AZIMUTH ADJUSTMENT

- Connect the OSCILLOSCOPE to the AUDIO OUTPUT JACK.
- Play back the ALIGNMENT TAPE (NTSC: DN2 (SP, 7KHz), PAL: DP2 (SP, 6KHz)).
- Adjust the A/C HEAD AZIMUTH SCREW to obtain the audio output -9~-3dBm. (Fig. 5-3)
- Repeat the process "H. DRUM ENTRANCE/EXIT".

TEST POINTS	AUDIO OUTPUT	AUDIO OUTPUT JACK
MEASURING EQUIPMENT	OSCILLOSCOPE	

L. X-POSITION (See Fig. 5-11)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	ADJUST BOSS	MAIN BASE.

- Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
- Play back the ALIGNMENT TAPE (COLOR SIGNAL BAR).
- Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the of the PATH ADJ. FIXTURE.
- Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
- Adjust the VR CONTROL to the center position. (When the VR CONTROL is completely turned counter-clockwise, it is set at another tracking center position).
- When the VR CONTROL is fully rotated clockwise or counter-clockwise, turn the ADJUST BOSS of the MAINBASE and adjust the X-POSITION for the envelope waveform to be as shown in Fig. 5-11
- Repeat the process "F. PLAYBACK PHASE ADJUSTMENT".

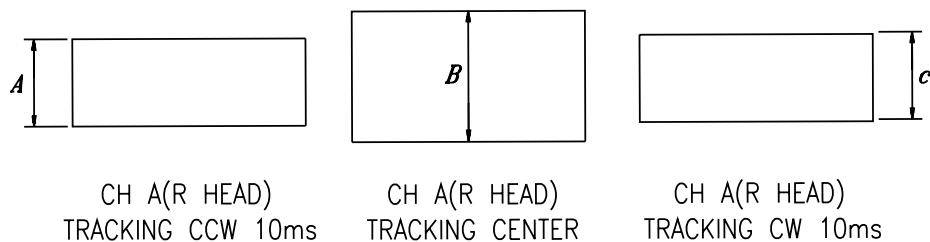
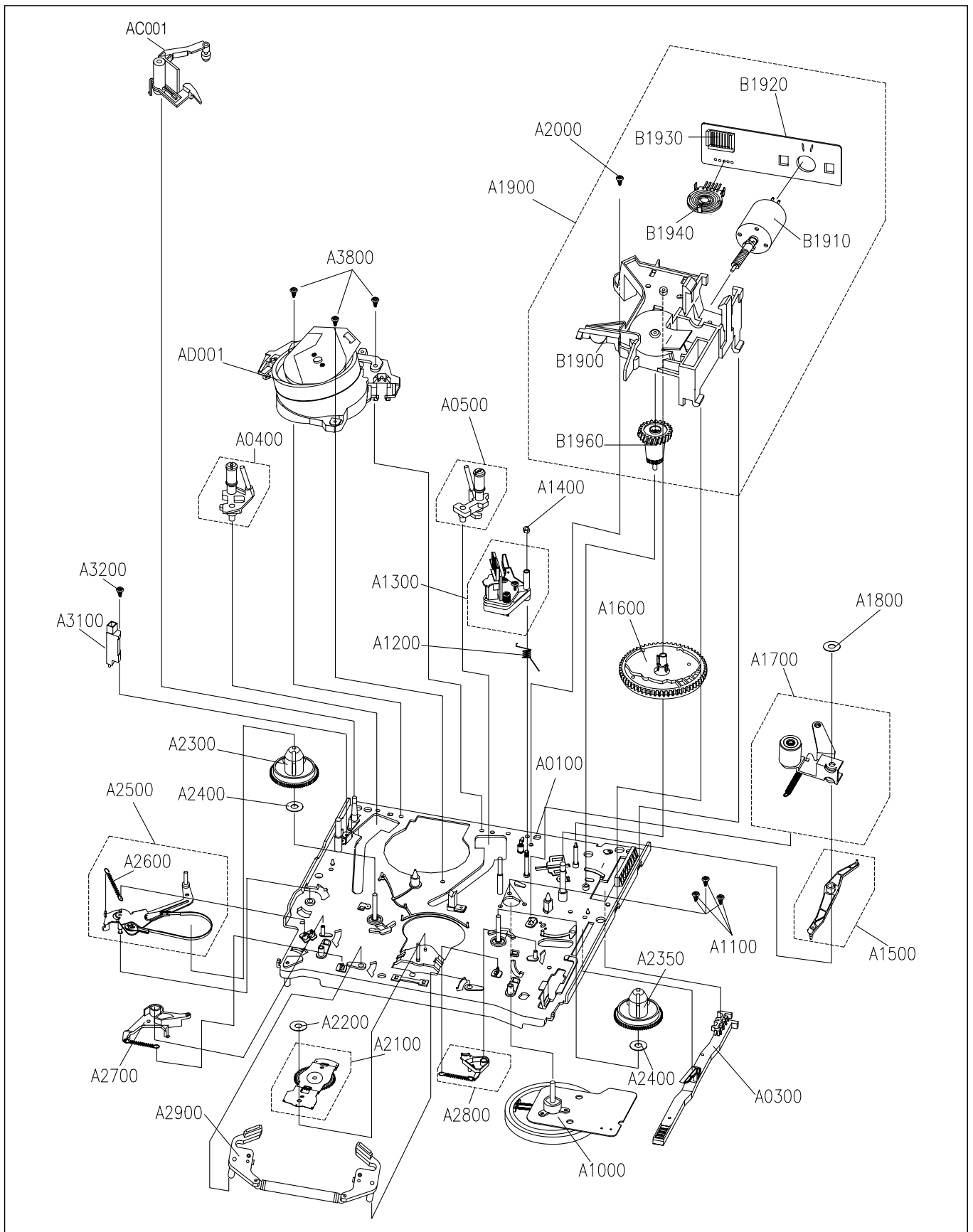


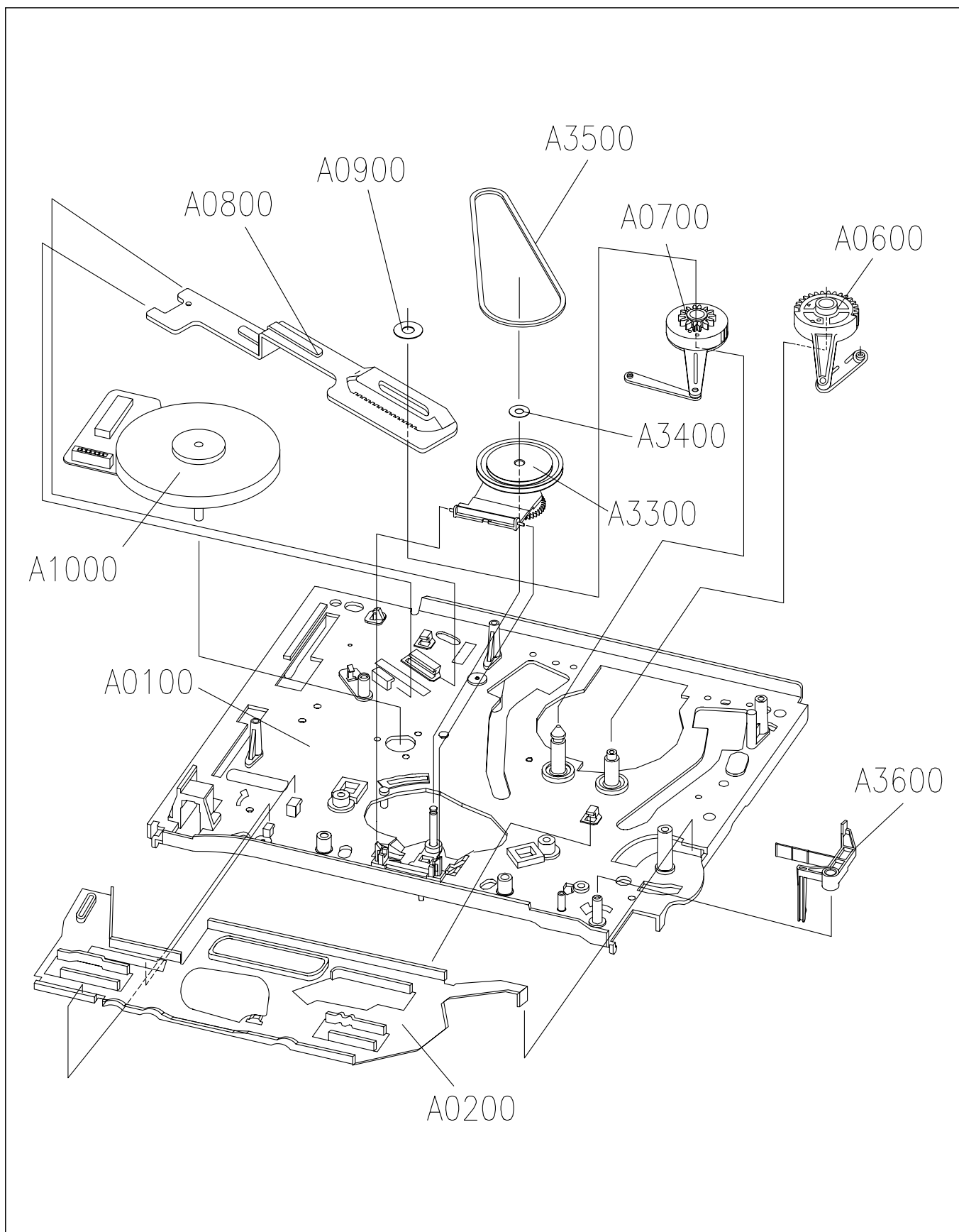
Fig. 5-11 X-POSITION ADJUSTMENT

6. EXPLODED VIEW AND PARTS LIST

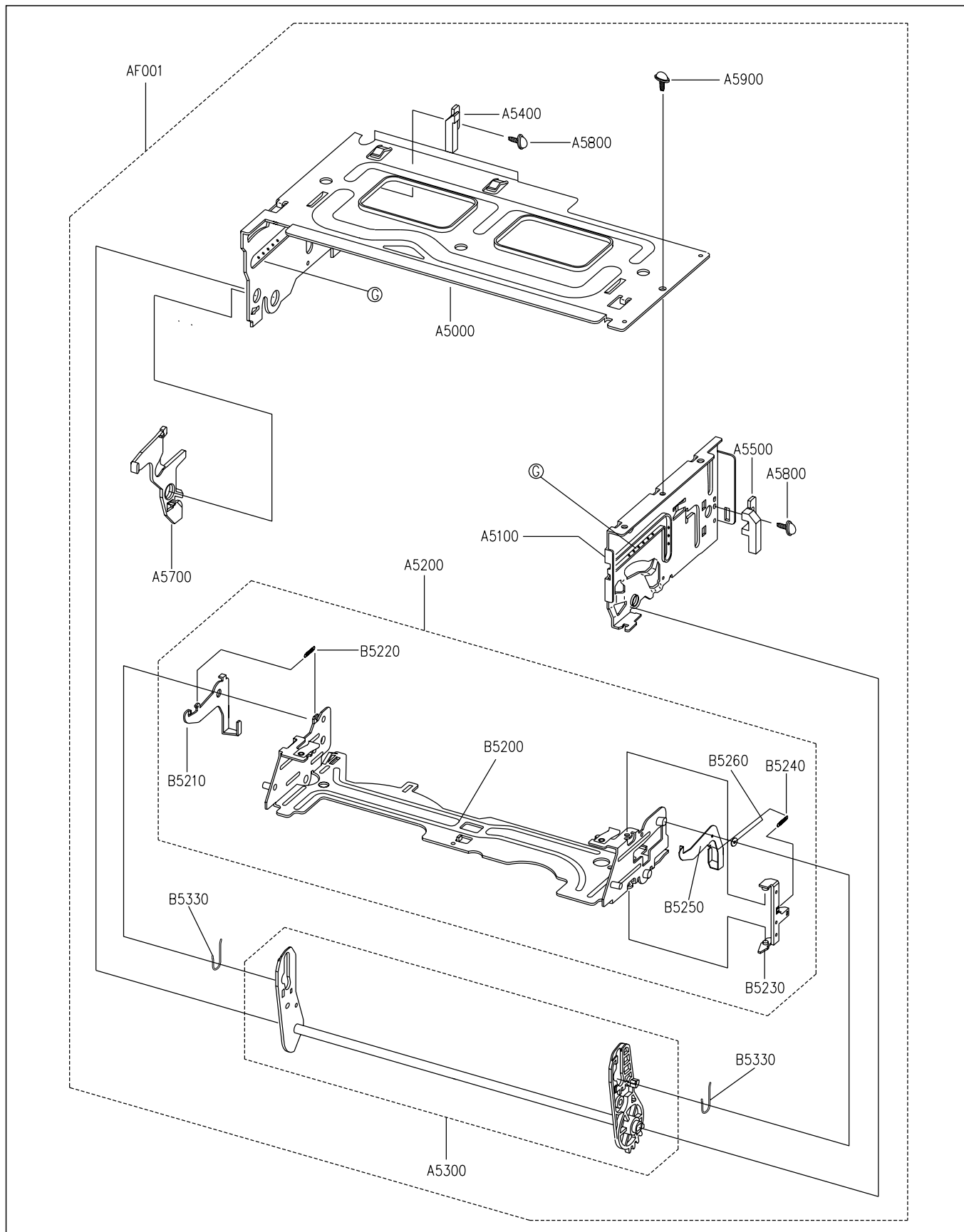
6-1. EXPLODED VIEW OF DECK ASS'Y (TOP VIEW)



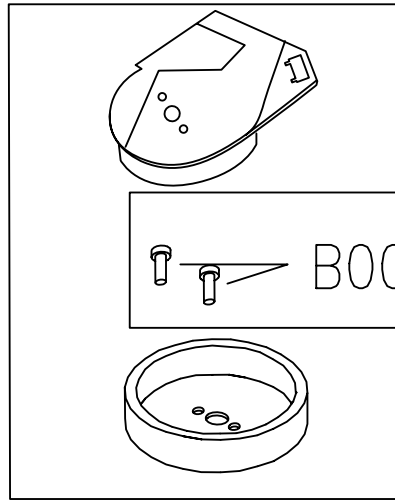
6-2. EXPLODED VIEW OF DECK ASS'Y (BOTTOM VIEW)



6-3. EXPLODED VIEW OF F/LASS'Y



B0030

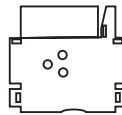


B0040

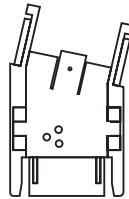
B0080



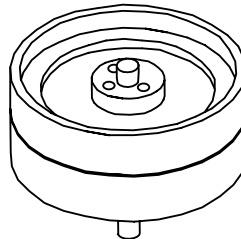
B0060



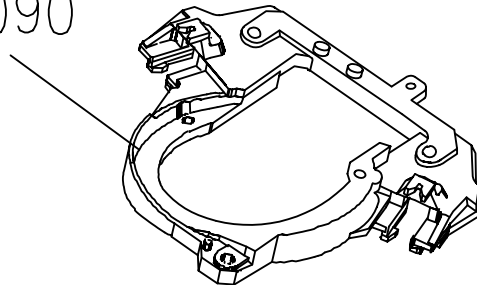
B0050



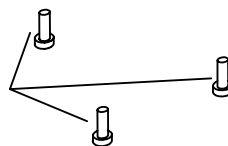
B0020



B0090



B0100



6-4-1. PARTS LIST OF DECK TOTAL ASS'Y

LOC.	STOCK NO.	PART NAME	DESCRIPTION
NTSC			
M1000	97PC0245D-	DECK TOTAL AS	DRN-9200 (2 HD SP/EP NON-DLC)
M1000	97PC0246D-	DECK TOTAL AS	DRN-9201 “(2 HD SP/EP NON-DLC, HEAD CLNR, VCP)”
M1000	97PC0247D-	DECK TOTAL AS	DRN-9401 “(4 HD MONO NON-DLC, HEAD CLNR)”
M1000	97PC0248D-	DECK TOTAL AS	DRN-9601 “(4 HD HI-FI NON-DLC, HEAD CLNR)”
PAL			
M1000	97PC0253D-	DECK TOTAL AS	DRP-9620 (4 HD HI-FI DLC)
SECAM			
M1000	97PC0254D-	DECK TOTAL AS	DRS-9620 (4 HD HI-FI DLC)

6-4-2. PARTS LIST OF DRUM PRICE ASS'Y

LOC.	STOCK NO.	PART NAME	DESCRIPTION
NTSC			
AD001	97PA269201	DRUM PRICE AS	CYN-KT210 (2 HD SP/EP NON-DLC)
AD001	97PA264841	DRUM PRICE AS	CYN-KT213 (2 HD SP/EP DLC-BLK)
AD001	97PA269301	DRUM PRICE AS	CYN-KT410 (4HD MONO NON-DLC)
AD001	97PA269401	DRUM PRICE AS	CYN-KT610 (4 HD HI-FI NON-DLC)

LOC.	STOCK NO.	PART NAME	DESCRIPTION
PAL			
AD001	97PA265871	DRUM PRICE AS	CYP-KT112 (2 HD SP MONO DLC)
AD001	97PA265971	DRUM PRICE AS	CYP-KT212 (2 HD SP/LP MONO DLC)
AD001	97PA266071	DRUM PRICE AS	CYP-KT412 (4 HD MONO DLC)
AD001	97PA253471	DRUM PRICE AS	CYP-KT612 (4 HD HI-FI DLC)
SECAM			
AD001	97PA266171	DRUM PRICE AS	CYS-KT412 (4 HD MONO DLC)
AD001	97PA266371	DRUM PRICE AS	CYS-KT612 (HT 4 HD HI-FI DLC)

6-4-3. PARTS LIST OF DECK TOTAL ASS'Y

LOC.	STOCK NO.	PART NAME	DESCRIPTION	SYSTEM
M10000	PVDKARP94A	DECK VCR AS	DRP-9400S	PAL
M10000	PVDKARS94A	DECK VCR AS	DRP-9400S	SECAM
AD001	97PA287401	DRUM PRICE AS	CYP-KT410W (4HD MONO NON-	PAL
AD001	97PA287001	DRUM PRICE AS	CYS-KT410W (4HD MONO NON-	SECAM
B0010		DRUM AS	(REFERRING TO LIST OF DRUM PRICE)	
B0020	97SA322300	DRUM MOTOR AS	SDV-12B/SDV-12F	
		DRUM MOTOR AS	E20XL25/81	
B0030	7001260711	SCREW MACHINE	PAN 2.6 X 7 MFZN	
B0040	7001260711	SCREW MACHING	PAN 2.6 X 7 MFZN	
B0050	97S2303600	HOLDER MAIN	POM	
B0080	97S2303700	HOLDER MAIN	POM(2CH)	
B0090	97S1401700	BASE DRUM	FM-M(NON-MACHINING, ADC)	
B0100	7051300811	SCREW MACHINE	PAN 3 X 8 SW MFZN	
F/L AS				
AF001	97SA251400	F/L AS	K30-MECHA	
DECK AS				
AM001		DECK AS	(REFERRING TO LIST OF DECK TOTAL ASS'Y)	
A0100	97SA309700	MAIN BASE AS	K30-MECHA	
A0200	97S0901400	PLATE CONNECY	SECC T1.0	
A0300	97S2701800	RACK F/L	PBT(KP213G30) NATURAL	
A0400	97SA310900	S SLANT POLE AS	K-MECHA	
A0500	97SA311000	T SLANT POLE AS	K-MECHA	
A0600	97SA308500	L LOADING AS	K-MECHA	
A0700	97SA308600	R LOADING AS	K-MECHA	
A0800	97SA308400	LOADING RACK AS	K-MECHA	
A0900	97S3101800	WASHER POLY	D3.1XD8XT0.5	
A1000	97S8100700	MOTOR CAPSTAN	F2QTB12	
A1100	97S8101200	MOTOR CAPSTAN	DMVCMC06ER	
	97S3102000	SCREW TAPTITE	TT2 BIN-P 2.6X7 MFZN	
A1200	97S3004000	SPG AC HEAD	SUS304WPB D1.2	
A1300	97SA311200	AC HEAD AS	K-MECHA	
A1400	97SA318700	AC HEAD AS	K-MECHA(KUGAMI)	
	97SA311300	AC HEAD AS	K-MECHA(VCP)	
	7391300211	NUT HEX	6N-1-5 MFZN	
A1500	97S2604100	LEVER RELAY	ZDC-2	
A1600	97S2701400	GEAR CAM	DELIN 500 NATURAL	
A1700	97SA310700	PINCH LEVER TOT AS	K-MECHA	
A1800	97S3117300	WASHER POLY	D3.6XD8XT0.5	
A1900	97SA310400	L/C BRKT TOT AS	K-MECHA	

LOC.	STOCK NO.	PART NAME	DESCRIPTION
B1905	97SA414100	L/C BRKT AS	K-MECHA
B1910	97PA409200	L/C MOTOR AS	K-MECHAB1920
	97P6538222	L/C MOTOR PCB	PHENOL T1.6
B1930	97P6271500	CONN WAFER(ANGLE)	00-8283-0711-0000
B1940	5SSFF1DKM10	CAM SWITCH	MMS00320ZMBO
B1960	97S2901500	WORM WHEEL	DELIN 100 NATURAL
A2000	7274300611	SCREW TAPTITE	TT3 RND 3X6 MFZN
A2100	97SA311600	IDLER PLATE AS	K-MECHA(NORMAL)
	97SA311620	IDLER PLATE AS	K30-MECHA(HI-REW)
A2200	97S3108200	WASHER POLY	D2.6XD6XT0.5
A2300	97S2901600	TABLE REEL	F20 BLACK
A2400	97S3903600	POLY SLIDER	D3.1XD6XT0.5
A2500	97SA310800	TENSION BAND AS	K-MECHA
B2500	97SA409800	TENSION LEVER AS	K-MECHA
B2510	97SA409700	BAND BRAKE AS	K-MECHA
B2520	97S0400700	BAND BRAKE CAP	DURACON M90-02 NATURAL
A2600	97S3003500	SPG TENSION	SWPB D0.4
A2700	97SA309300	S SUB BRAKE AS	K-MECHA
A2800	97SA309400	T SUB BRAKE AS	K-MECHA
A2900	97SA309120	MAIN BRAKE AS	K-MECHA(NORMAL)
	97SA309110	MAIN BRAKE AS	K30-MECHA CHI-REW
A3100	97S8012900	HEAD FE	HVFHF0004AK
	97S8004500	HEAD FE	MH-132D
A3200	97S3102100	SCREW TAPTITE	TT2 BIN-P 2.6X10 MFZN
A3300	97SA309000	REEL GEAR TOT AS	K-MECHA(NORMAL)
	97SA309020	REEL GEAR TOT AS	K30-MECHA(HI-REW)
A3400	97S3108200	WASHER POLY	D2.6XD6.0XT0.5
A3500	97S5500400	BELT REEL	CR68
A3600	97S2603500	LEVER RECORD SAFETY	F20-03 NATURAL
A3800	7274301011	SCREW TAPTITE	TT3 RND 3X10 MFZN
A4000	7274300611	SCREW TAPTITE	TT3 RND 3X6 MFZN
A4100	2291129004	OIL LUBRICANT	OA-305P
A4200	2291131304	GREASE	DELUX 5221G(NAM-YOUNG)
HEAD CLEANER AS			
AC001	97SA381500	HEAD CLEANER AS	"K,FM-MECHA"

Sony Corporation Home Network Company
Osaki West Tec.
2-10-Osaki Shinagawa-Kv, 141-0032
Tokyo, Japan