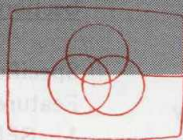


TC-K410

SERVICE MANUAL



Free service manuals
Gratis schema's

Digitized by

AEP Model

www.freeservicemanuals.info



SPECIFICATIONS

Recording system

4-track 2-channel stereo

Bias AC bias

Motors Capstan motor × 1 (DC servo motor)

Reel motor × 1 (DC motor)

Wow and flutter 0.07% WRMS (NAB)

±0.18% (DIN)

Fast winding time

Approx. 90 sec. (with C-60 cassette)

Frequency response (DOLBY NR OFF)

TYPE IV cassette (Sony METAL-ES)	30–18,000 Hz (±3 dB, DIN) 30–15,000 Hz (OVU recording, ±3 dB)
TYPE II cassette (Sony UX-S)	30–17,000 Hz (±3 dB, DIN)
TYPE I cassette (Sony HF-S)	30–15,000 Hz (±3 dB, DIN)

Signal-to-noise ratio (NAB, at peak level)

Dolby NR switch	OFF	B-TYPE ON	C-TYPE ON
Cassette			
TYPE IV (Sony METAL-ES)	58 dB	65 dB	71 dB
TYPE II (Sony UX-S)	57 dB	64 dB	70 dB
TYPE I (Sony HF-S)	54 dB	61 dB	67 dB

Total harmonic distortion

1.0% (with Sony METAL-ES cassettes)

Inputs

Line inputs (phono jacks)	Sensitivity	77.5 mV (–20 dB)
	Input impedance	50k ohms

Model Name Using Similar Mechanism	TC-K510
Tape Transport Mechanism Type	TCM-CMAY B-28

Outputs

Line outputs (phono jacks)	Rated output level	0.44 V (–5 dB) at a load impedance of 47k ohms
	Load impedance	Over 10k ohms
Headphones (stereo phone jack)	Output level	0.3 mW at a load impedance of 32 ohms

General

Power requirements

220V AC (or 240V AC), 50/60 Hz

Power consumption

16W

Dimensions

Approx. 430 × 118 × 290 mm (w/h/d)
(17 × 4 3/4 × 11 1/2 inches)

Including projecting parts and controls

Weight

Approx. 4.1 kg (9 lbs 1 oz)

Supplied accessory

Audio connecting cord (2)

Design and specifications subject to change without notice.

Optional accessory

Wireless remote control unit RM-900W.

Note

This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppression.

Dolby noise reduction manufactured under license from
Dolby Laboratories Licensing Corporation.

“DOLBY” and the double-D symbol  are trademarks of
Dolby Laboratories Licensing Corporation.

STEREO CASSETTE DECK
SONY®



TABLE OF CONTENTS

● FEATURES

- A **bias control** for adjusting the bias current for optimum recording on every tape.
- The **Dolby HX PRO*** system to improve the linearity of the tape's high-range response during recording.
- The **AMS** to provide easy access to a desired selection.
- An **optional remote control unit** to allow various operations to be remotely controlled.

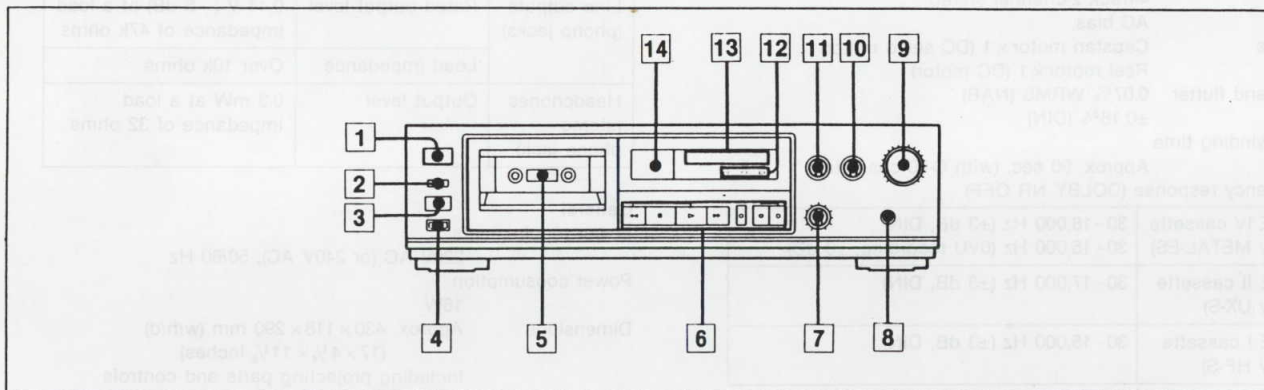
*Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

Section	Title	Page
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	Features	2
1.	GENERAL	
1-1.	Identification of Front Panel Parts.....	2
2.	MECHANICAL ADJUSTMENTS	3
3.	ELECTRICAL ADJUSTMENTS	3
4.	DIAGRAM	
4-1.	Semiconductor Lead Layouts.....	7
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SECTION 1
GENERAL

1-1. IDENTIFICATION OF FRONT PANEL PARTS



- 1 POWER switch
- 2 TIMER switch
- 3 Remote control sensor

You can control this cassette deck remotely with:

- Any remote commander (supplied with a Sony amplifier or receiver) which is marked with the logo and has cassette deck control capability. 
- An optional Sony remote commander with the logo. 

- 4  (eject) button
- 5 Cassette holder
- 6 Tape operation buttons and indicators
 - ◀ (rewind) button
 - (stop) button
 - ▶ (play) button and indicator
 - ▶▶ (fast forward) button
 - REC (record) button and indicator
 - || PAUSE button and indicator
 - REC MUTE (record muting) button

- 7 BIAS (bias adjust) control
- 8 PHONES (headphones) jack (stereo phone jack)
- 9 REC LEVEL (recording level) control
- 10 MPX FILTER switch
- 11 DOLBY NR switch
- 12 TAPE TYPE indicators
- 13 PEAK LEVEL METER
- 14 TAPE COUNTER and RESET button

SECTION 2 MECHANICAL ADJUSTMENTS

PRECAUTION

- Clean the following parts with a denatured-alcohol-moistened swab :

record/playback head	pinch roller
erase head	rubber belts
capstan	idler
- Demagnetize the record/playback head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed in the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30 to 70g · cm (0.42 to 0.97 oz · inch)
FWD Back tension	CQ-102C	2 to 6g · cm (0.028 to 0.083 oz · inch)
FF, REW	CQ-201B	90 to 180g · cm (1.25 to 2.49 oz · inch)

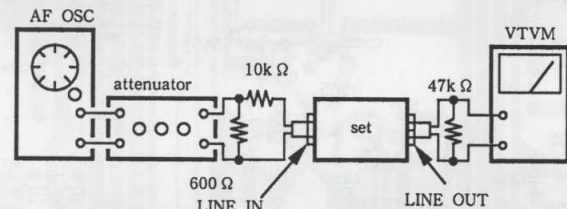
SECTION 3 ELECTRICAL ADJUSTMENTS

Note : The adjustment should be performed in the order given in the service manual. As a rule, adjustment about playback should be performed before adjustment about recording. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch	: OFF
TIMER switch	: OFF
MPX FILTER switch	: OFF
- Standard Record :
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

—Record Mode—



Standard Input Level

input terminal	LINE IN
source impedance	10k Ω
input level	0.25V (−10dB)

Standard Output Level

output terminal	LINE OUT
load impedance	47k Ω
output level	0.44V (−5dB)

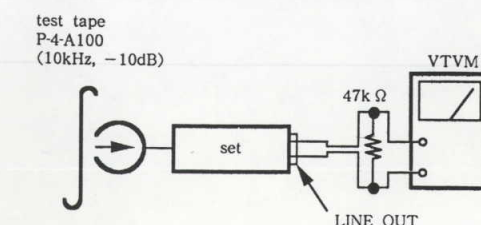
Test tape

Type	Signal	Used for
P-4-A100	10kHz, −10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

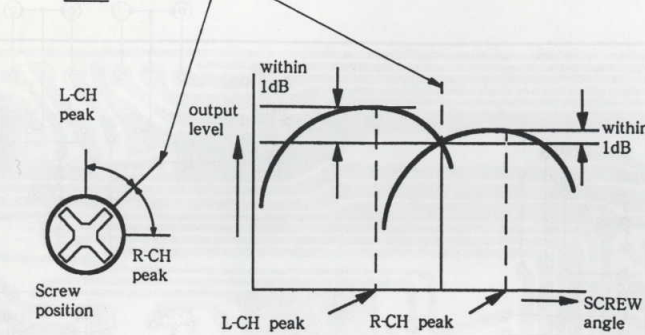
Record/Playback Head Azimuth Adjustment

Procedure :

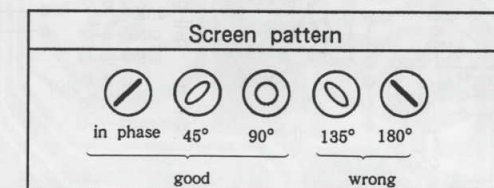
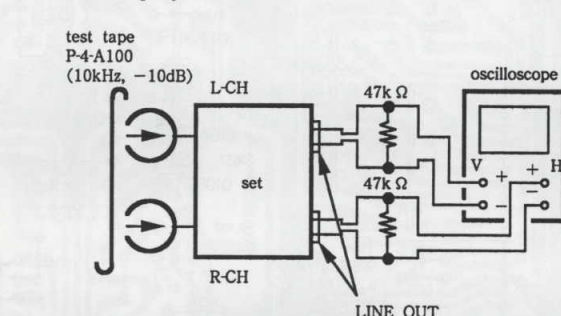
- Mode : playback



- Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.

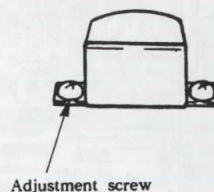


- Phase Check
Mode : playback



- After the adjustment, lock the screws with locking compound.

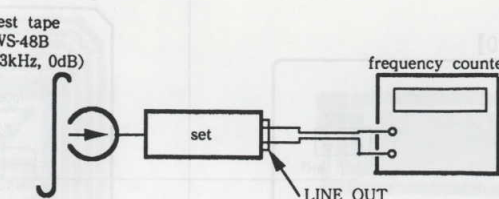
Adjustment Location : REC/PB Head



Tape Speed Adjustment

Procedure :

Mode : playback



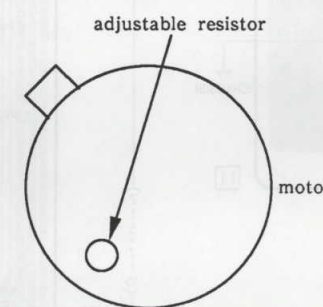
Adjustment Limits :

Speed checker	Frequency counter
±0.5%	2,985–3,015Hz

Frequency difference between the beginning and the end of the tape should be within 0.5% (15Hz).

Adjustment Location :

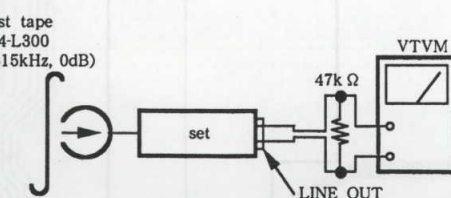
adjustment the adjustable resistor of built in motor (adjustment by the insert to driver Speed in fastest that turn the clockwise.)



Playback Level Adjustment

Procedure :

Mode : playback



Adjust RV101 (L-CH), RV201 (R-CH) so that the reading on VTVM meets the adjustment limits below.

Adjustment Limits :

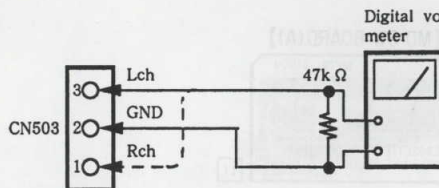
LINE OUT level : $-5 \pm 0.5\text{dB}$ (0.42–0.46dB)
Level difference between channels : less than 0.5dB
Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location : main board (See page 6)

Bias Consumption Current Adjustment

Bias Consumption current adjustment should be performed before record bias adjustment.

- Set the center to RV301 (L-CH), RV401 (R-CH) and REC /FWD for no-signal.
- Connect CN503 with digital volt meter.



Adjustment Location : main board (See page 6)

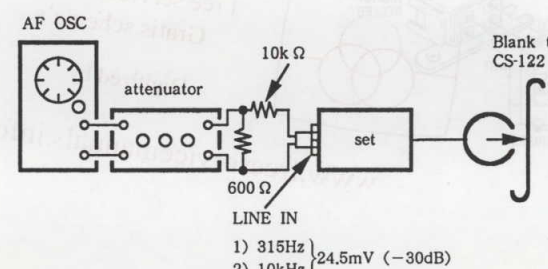
Record Bias Adjustment

Setting :

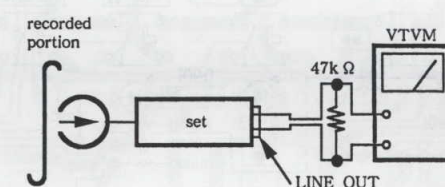
REC LEVEL control : Standard Record (See page 3.)

Procedure :

- Mode : record



- Mode : playback



Playback the signal recorded in step 1. Confirm that the 10kHz playback output is $5 \pm 0.5\text{dB}$ relative to the 315Hz output. If necessary, adjust RV301 (L-CH), RV401 (R-CH) and repeat the steps given above.

Adjustment Location : main board (See page 6)

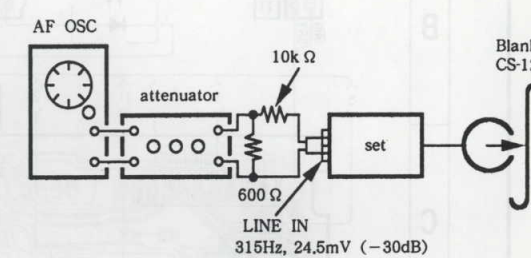
Record Level Adjustment

Setting :

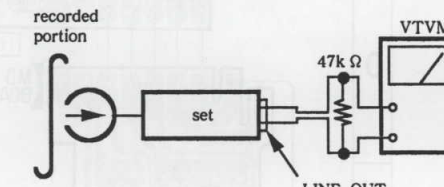
REC LEVEL control : Standard Record (See page 3.)

Procedure :

- Mode : record



- Mode : playback



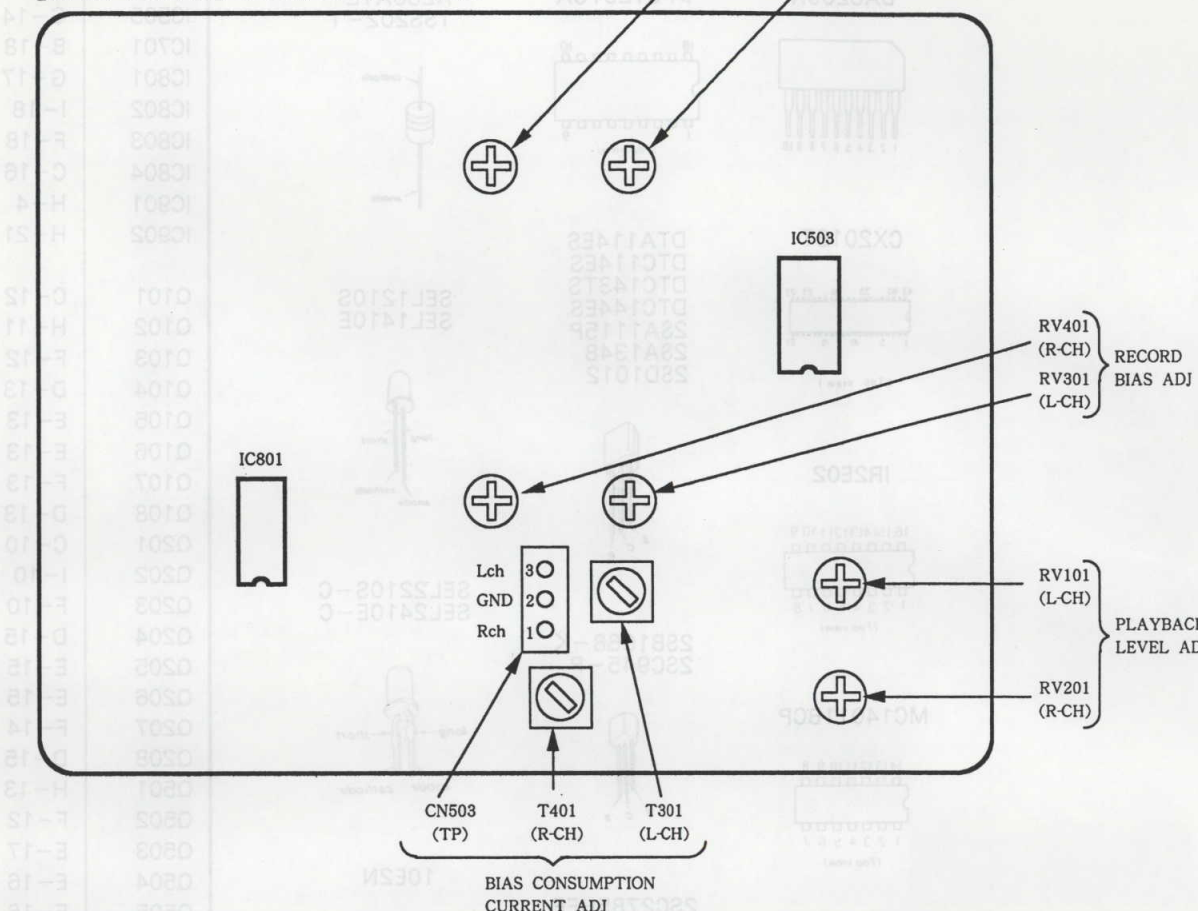
- Playback the signal recorded in step 1. Confirm that the signal level is within the adjustment limits below. If necessary, adjust RV102 (L-CH), RV202 (R-CH) and repeat the step1-2.

Adjustment Limits : $-25\text{dB} \pm 0.5\text{dB}$ (42–46mV)

Adjustment Location : main board (See page 6)

ADJUSTMENT LOCATION

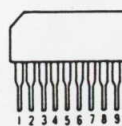
[MAIN BOARD] (COMPONENT SIDE)



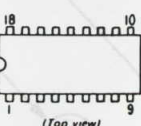
SECTION 4 DIAGRAMS

4.1. SEMICONDUCTOR LEAD LAYOUTS

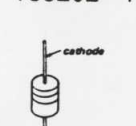
BA6209N



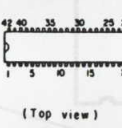
PC1297CA



HZS6A1L
1SS202-1



CX20187



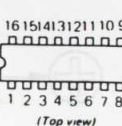
DTA114ES
DTC114ES
DTC143TS
DTC144ES
2SA1115P
2SA1348
2SD1012



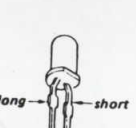
SEL1210S
SEL1410E



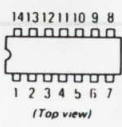
IR2E02



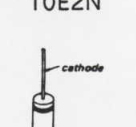
SEL2210S-C
SEL2410E-C



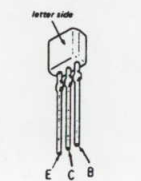
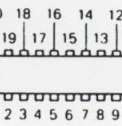
MC14011BCP



2SB1068-K
2SC945-P



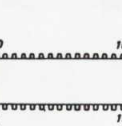
M50761-417P



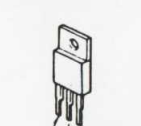
2SC2785HFE



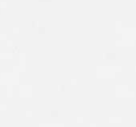
M50925-385SP



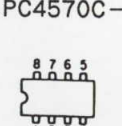
2SB1187-F
2SD1913SA



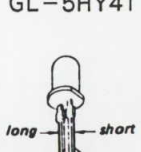
GP2S09



M5218
RC4558P
PC4570C-1



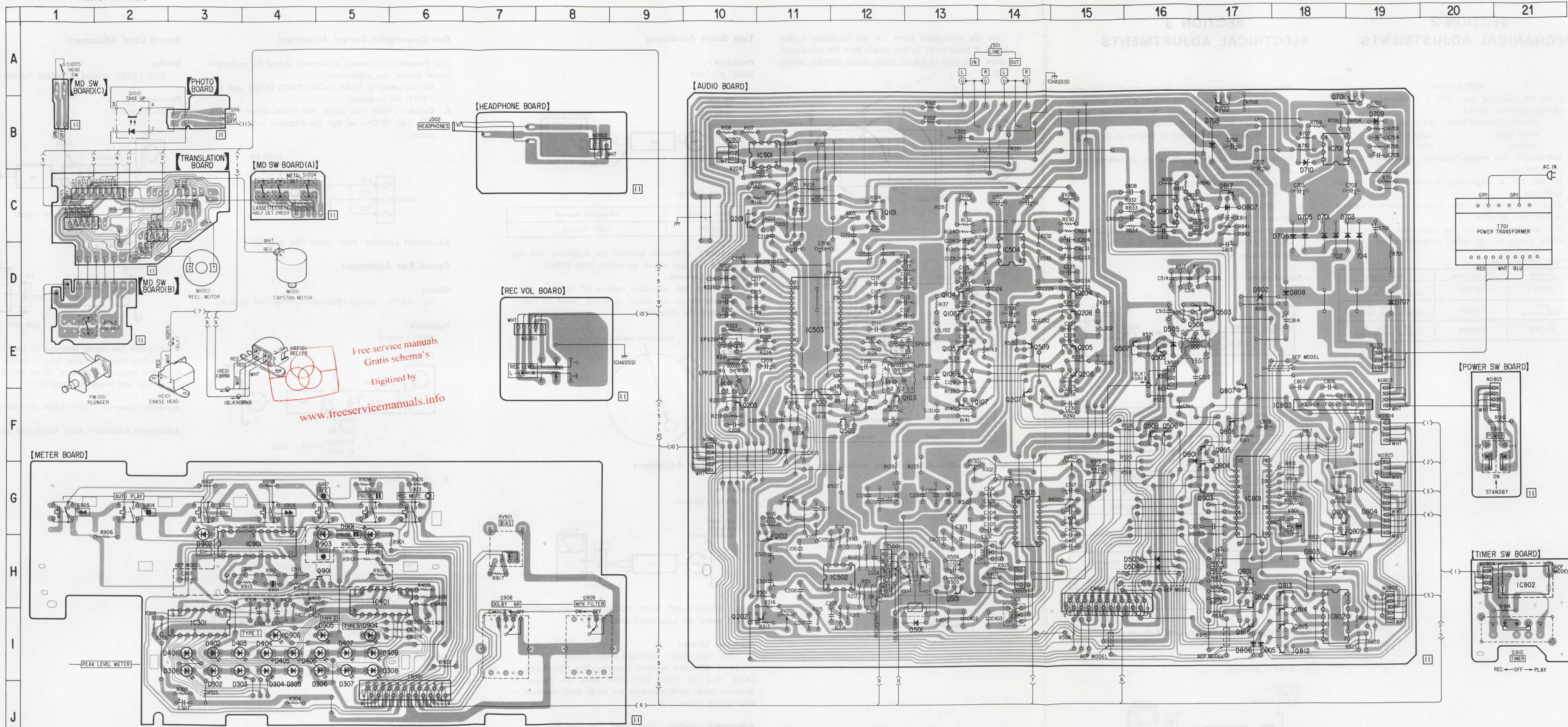
GL-5HY41



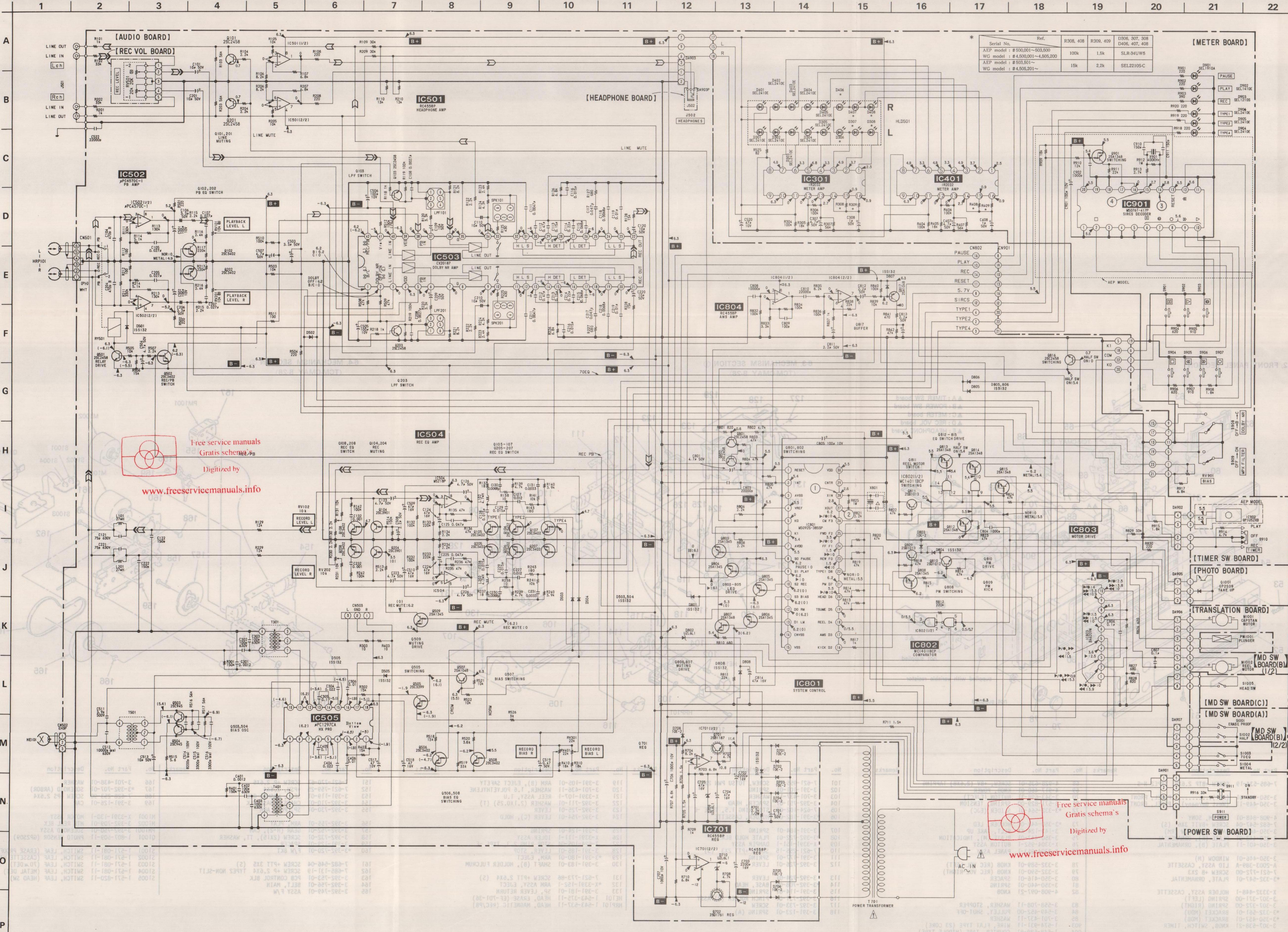
Ref. No.	Location	Ref. No.	Location
IC301	I-3	Q814	I-18
IC401	H-5	Q815	I-18
IC501	B-11	Q816	I-17
IC502	H-12	Q817	C-17
IC503	E-11	Q901	H-5
IC504	D-14	Q1001	B-2
IC505	G-14		
IC701	B-18	D301	I-3
IC801	G-17	D302	I-3
IC802	I-18	D303	I-3
IC803	F-18	D304	I-4
IC804	C-16	D305	I-4
IC901	H-4	D306	I-5
IC902	H-21	D307	I-5
		D308	I-5
		D401	I-3
		D402	I-3
		D403	I-3
		D404	I-4
		D405	I-4
		D406	I-5
		D407	I-5
		D408	I-5
		D501	I-13
		D502	F-11
		D503	H-16
		D504	H-16
		D505	E-16
		D701	C-18
		D702	C-18
		D703	C-19
		D704	C-19
		D705	C-18
		D706	C-18
		D707	D-19
		D708	B-17
		D709	B-19
		D710	B-18
		D801	G-16
		D802	D-17
		D803	H-18
		D804	G-17
		D805	I-17
		D806	I-17
		D807	C-17
		D808	D-18
		D901	G-5
		D902	H-3
		D903	H-5
		D904	I-5
		D905	I-5
		D906	I-4

Note
• ○ — : parts extracted from the component side.
• ■■■ : Pattern on the side which is seen.

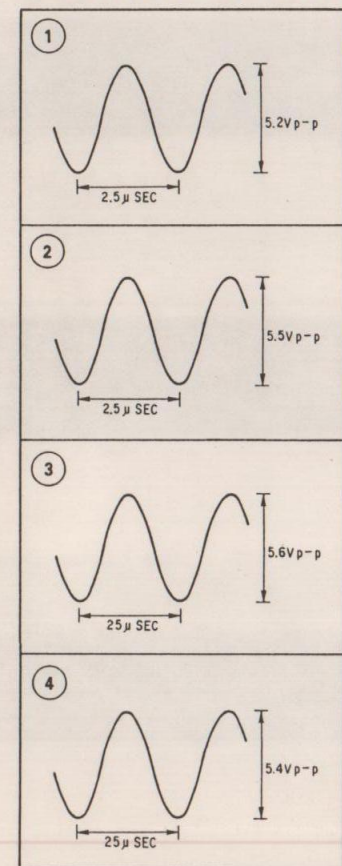
4.2. PRINTED WIRING BOARDS



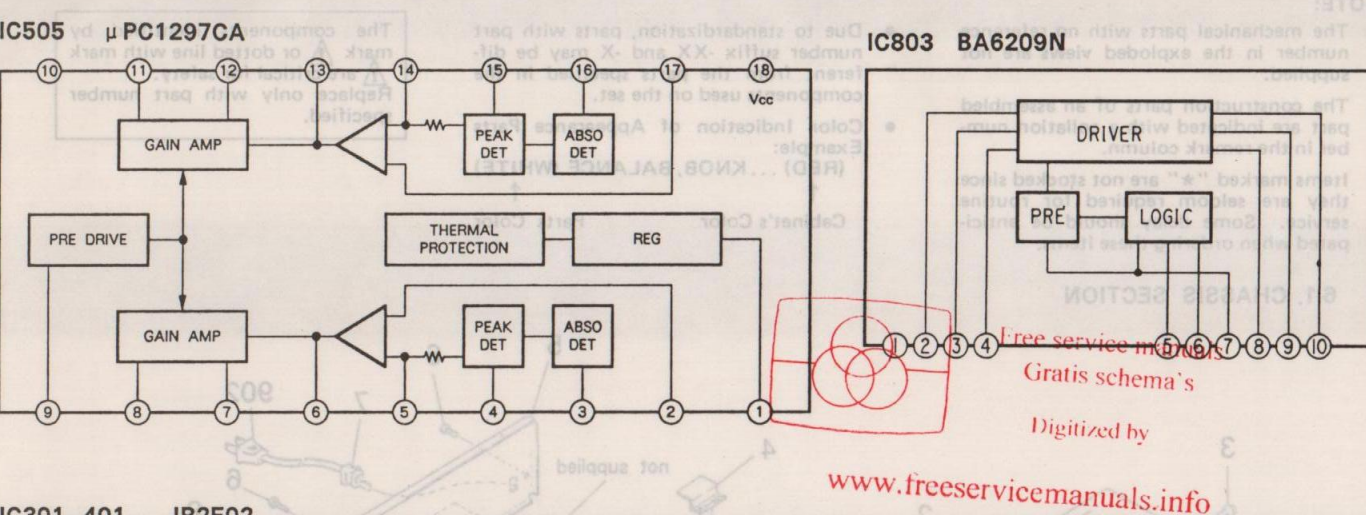
4.3. SCHEMATIC DIAGRAM



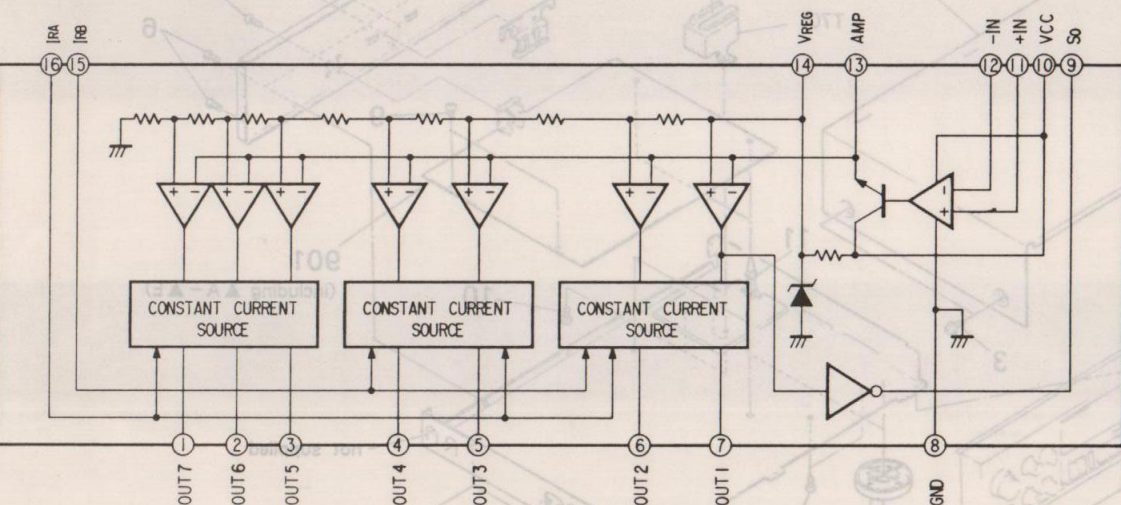
SCHEMATIC OF WAVEFORMS



IC BLOCK DIAGRAM



IC301, 401 IR2E02



Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- Δ : internal component.
- % : indicates tolerance.
- Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.
- B+ : B+ Line
- B- : B- Line
- $\square$: adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions. no mark STOP () : REC
- $\blacktriangleright$: FWD $\blacksquare$: STOP
- $\blacktriangleleft$: REW $\bullet$: REC
- Voltages are taken with a VOM (input impedance 10M Ω).
- Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. 200V/div.
- Voltage variations may be noted due to normal production tolerances.
- Signal path.
- $\Rightarrow$: PB
- $\Rightarrow$: PB

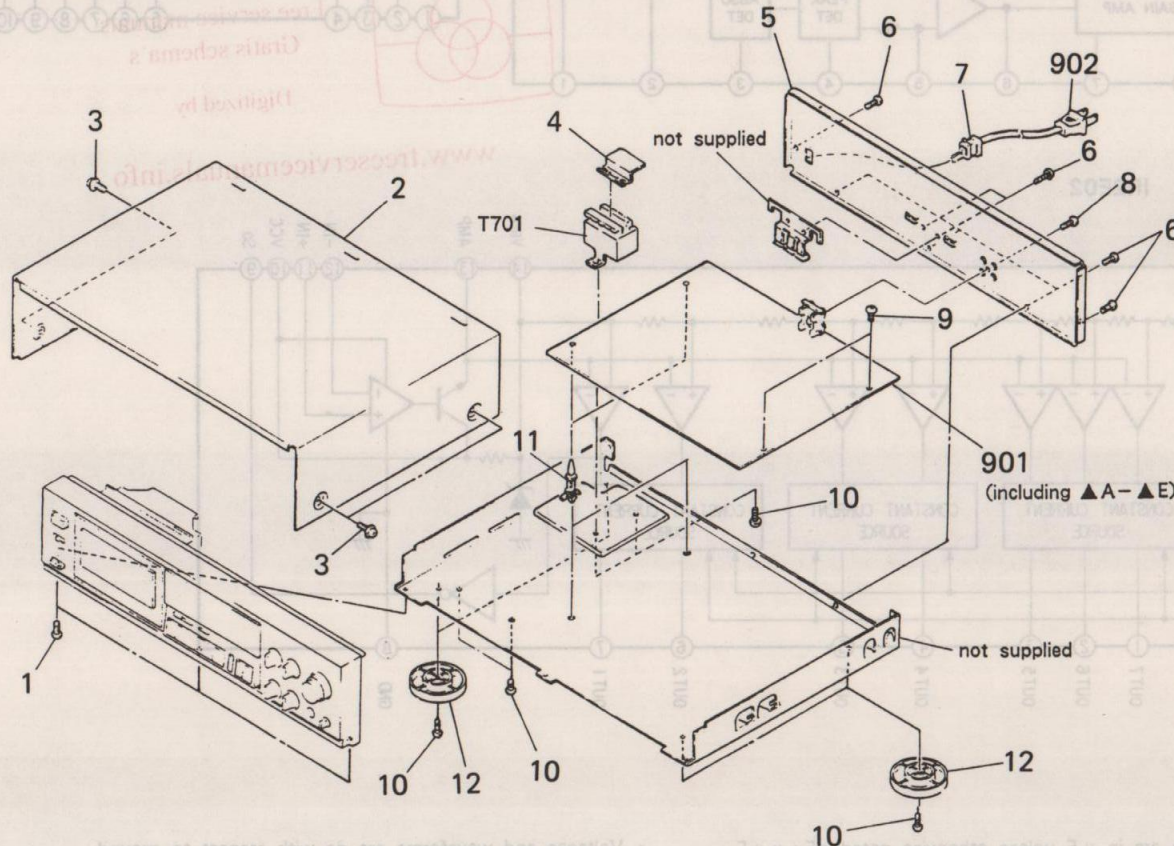
6-4. MECHANISM SECTION ②

(TCM-CMAY B-28)

NOTE:

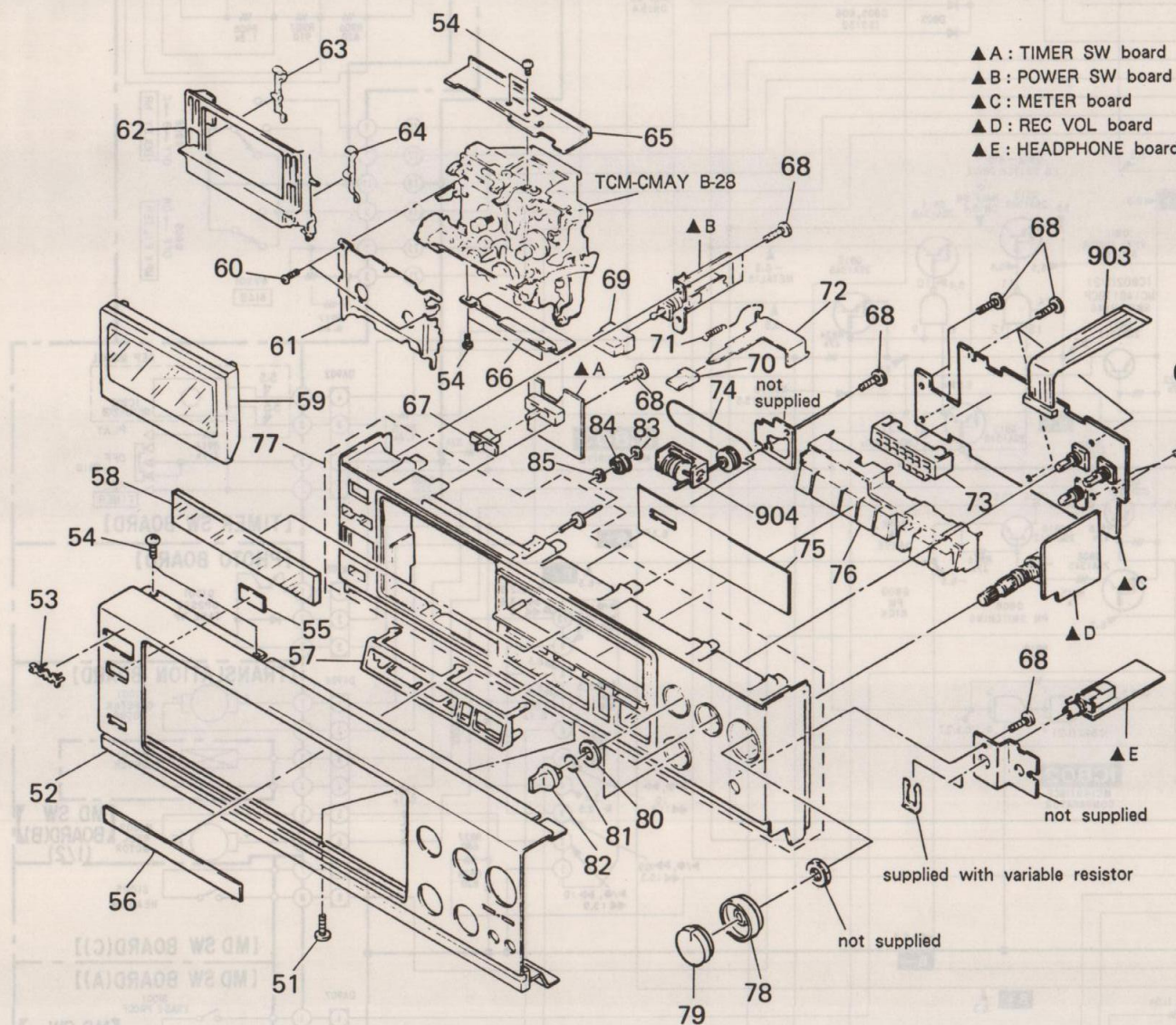
- The mechanical parts with no reference number in the exploded views are not supplied.
 - The construction parts of an assembled part are indicated with a collation number in the remark column.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:**
- | | |
|---------------------------------|-------------|
| (RED) ... KNOB, BALANCE (WHITE) | |
| ↑ | ↑ |
| Cabinet's Color | Parts Color |

6-1. CHASSIS SECTION



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-703-685-21	SCREW (+BV 3X8)		9	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
2	3-332-578-61	CASE		10	7-682-548-04	SCREW +BVTT 3X8 (S)	
3	3-704-366-01	SCREW (CASE) (M3X8)		11	*3-346-265-11	HOLDER, PC BOARD	
4	*3-337-136-01	COVER, TRANSFORMER SAFETY		12	X-4885-935-1	FOOT ASSY	
5	*3-350-450-01	(West).....PANEL, BACK		901	*A-2006-106-A	(AEP)....MOUNTED PCB, AUDIO	
	*3-350-450-11	(AEP).....PANEL, BACK			*A-2006-107-A	(AEP).....MOUNTED PCB, AUDIO	
6	7-682-547-09	SCREW +BVTT 3X6 (S)		902	A-1-555-795-00	CORD, POWER, EULO PLUG	
7	*3-703-244-00	BUSHING (2104), CORD		1701	A-1-449-783-11	TRANSFORMER, POWER	
8	7-621-849-00	SCREW, TAPPING					

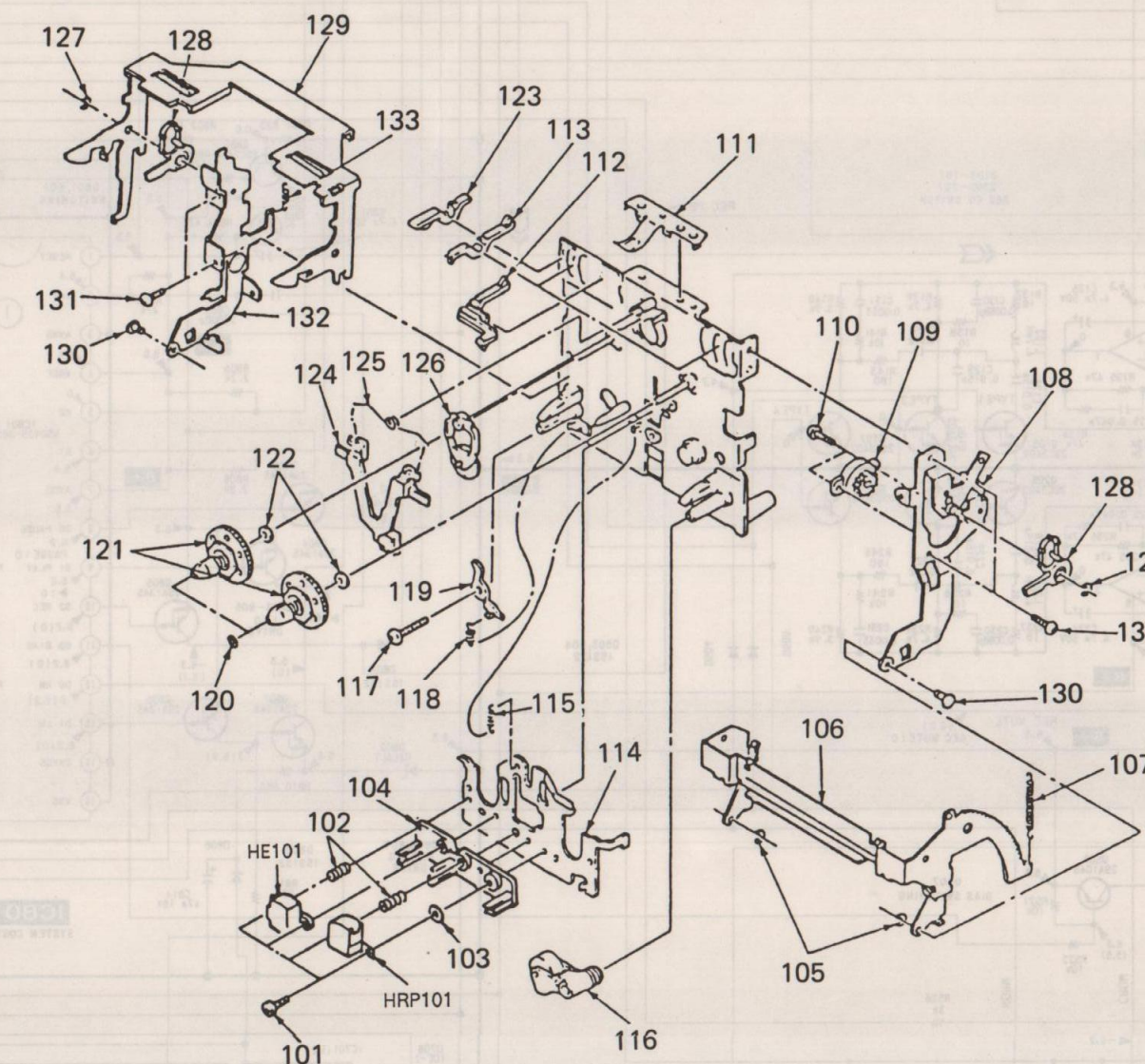
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S		68	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
52	3-350-449-01	(AEP).....PANEL, FRONT		69	4-917-460-01	KNOB, POWER	
	3-350-449-11	(West Germany)...PANEL, FRONT		70	3-343-698-31	BUTTON (EJECT)	
53	4-908-848-01	EMBLEM, SONY		71	3-571-829-00	SPRING, TENSION	
54	7-682-547-04	SCREW +BVT1 3X6 (S)		72	*3-332-564-01	SLIDER (EUC)	
55	3-350-442-01	(AEP)...WINDOW (RM)		73	*3-350-448-01	HOLDER, LED	
56	3-350-443-01	PLATE (K), ORNAMENTAL		74	3-143-124-XX	BELT, TAKE UP	
57	3-350-401-11	PLATE (B), ORNAMENTAL		75	3-350-447-01	PLATE (M), INDICATION	
58	3-350-446-01	WINDOW (M)		76	X-3304-952-1	BUTTON ASSY	
59	A-2003-389-A	LID ASSY, CASSETTE		77	X-3304-953-1	PANEL ASSY	
60	7-621-772-00	SCREW +B 2X3		78	3-332-589-01	KNOB (REC VOL-LEFT)	
61	*3-332-547-01	PLATE, ORNAMENTAL		79	3-332-590-01	KNOB (REC VOL-RIGHT)	
62	X-3332-448-1	HOLDER ASSY, CASSETTE		80	3-350-416-01	SPACER	
63	3-307-371-00	SPRING (LEFT)		81	3-350-440-01	SPRING	
64	3-307-372-00	SPRING (RIGHT)		82	4-908-097-21	KNOB	
65	*3-332-561-01	BRACKET (MDU)		83	3-558-708-11	WASHER, STOPPER	
66	*3-350-457-01	BRACKET (MOB)		84	3-549-452-00	PULLEY, SHUT-OFF	
67	3-307-538-21	KNOB, SWITCH, TIMER		85	3-701-437-11	WASHER	
				903	1-574-931-11	WIRE, FLAT TYPE (23 CORE)	
				904	1-548-589-81	COUNTER, TAPE (MIDDLE TYPE)	



- ▲A: TIMER SW board
- ▲B: POWER SW board
- ▲C: METER board
- ▲D: REC VOL board
- ▲E: HEADPHONE board

6-3. MECHANISM SECTION ①

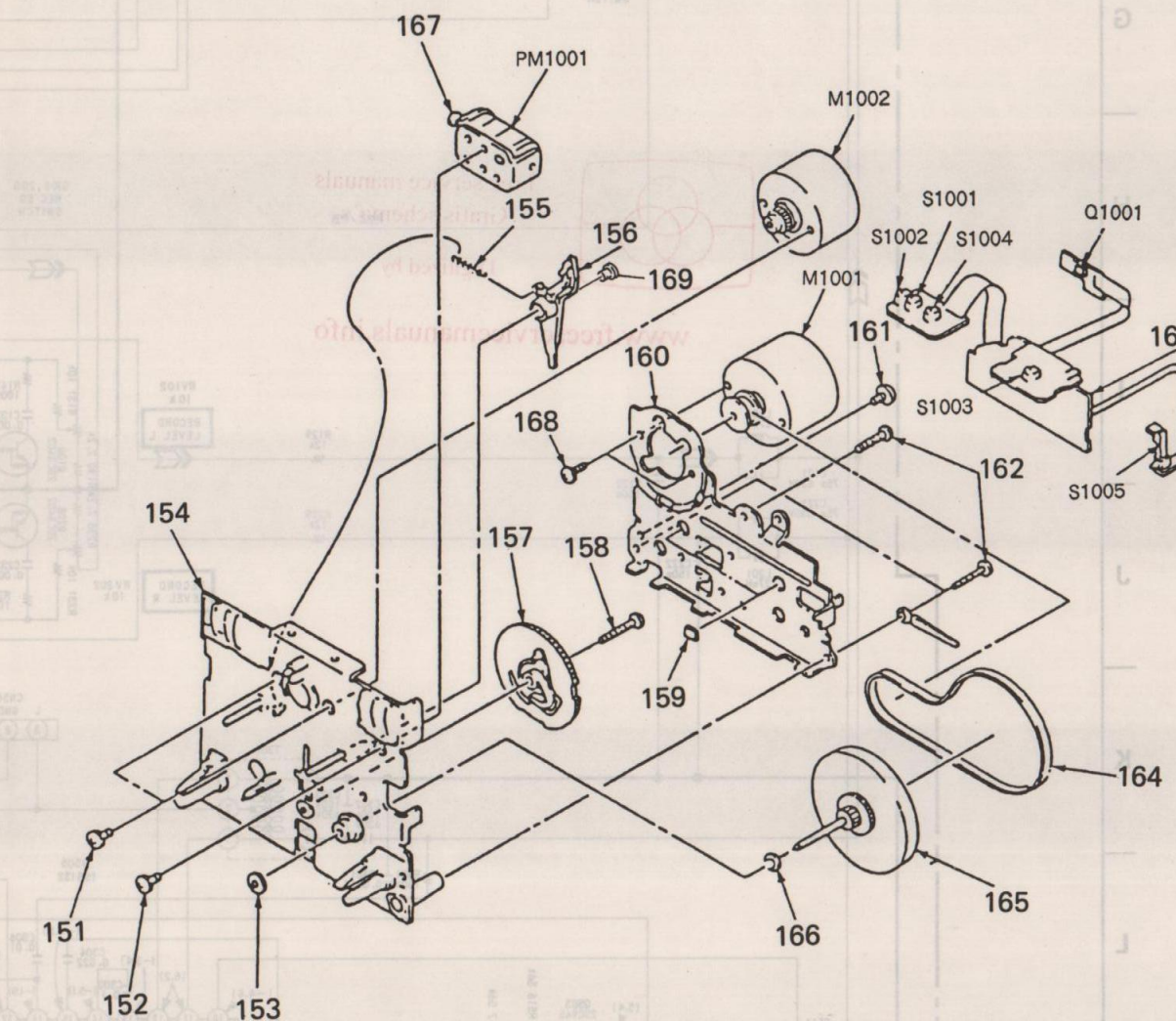
(TCM-CMAY B-28)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	7-621-955-75	SCREW, TOTSU PWM 2X12		119	3-391-105-01	ARM (B), EJECT SAFETY	
102	3-391-107-01	SPRING		120	3-701-436-11	WASHER, 1.6 POLYETHYLENE	
103	3-701-437-11	WASHER		121	X-3391-107-1	ARM ASSY, T.	
104	3-392-751-01	SPRING HEAD		122	3-392-711-01	REEL ASSEMBLY, T	
105	7-624-102-04	STOP RING 1.5, TYPE -E		123	3-392-725-01	WASHER (2.1X0.25) (T)	
106	*3-391-182-01	HOLDER, CASSETTE		124	3-392-754-01	LEVER (C), HOLD	
107	3-391-184-01	SPRING		125	3-391-124-01	SPRING	
108	*3-392-722-01	PLATE HOLD BLK		126	X-3391-111-1	IDLER ASSY	
109	X-3391-151-1	DAMPER ASSY		127	7-624-105-04	STOP RING 2.3, TYPE -E	
110	7-621-255-15	SCREW +PTT 2X3 (S)		128	3-391-185-01	LEVER, STOP	
111	3-391-177-01	SPRING		129	*3-391-180-01	ARM, EJECT	
112	3-392-726-01	LEVER		130	3-391-183-01	SHAFT (B), HOLDER FULCRUM	
113	3-392-724-01	LEVER		131	7-621-773-86	SCREW +PTT 2.6X4 (S)	
114	*3-392-708-01	BASE, HEAD		132	*X-3391-152-1	ARM ASSY, EJECT	
115	3-391-114-01	SPRING		133	3-391-181-01	SP, LEVER RETURN	
116	3-392-731-01	PINCH ROLLER (R) ASSY		HE101	1-543-375-11	HEAD, ERASE (EF-701-36)	
117	3-392-733-01	SCREW		HRP101	1-543-537-11	HEAD, MAGNETIC (REC/PB)	
118	3-391-123-01	SPRING (A)					

6-4. MECHANISM SECTION ②

(TCM-CMAY B-28)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	7-621-770-67	SCREW +P 2.6X6		166	3-701-438-01	WASHER	
152	7-621-759-25	+PM, 2.6X4		167	*3-392-707-01	SOLENOID (ARBOR)	
153	3-391-119-01	SEAL, WASHER OIL		168	7-628-253-90	SCREW +PS 2.6X4	
154	3-392-710-01	CHASSIS BASE BLK		169	3-391-126-01	CAP	
155	3-392-730-01	SP, PLAY ARM					
156	3-392-755-01	ARM, PLAY		M1001	X-3391-130-1	MOTOR ASSY	
157	3-392-752-01	GEAR (H-2), CAM		M1002	3-392-709-01	MTR REEL BLK	
158	3-392-732-01	SCREW (2X15), TT, WASHER		PM1001	3-392-750-01	SOLENOID ASSY	
159	3-391-129-01	SPACER		Q1001	1-807-509-11	PHOTO SENSOR (GP2SD09)	
160	*3-392-720-01	F/W BKT					
161	7-682-546-04	SCREW +PTT 3X5 (S)		S1001	1-571-081-11	SWITCH, LEAF (ERASE PROOF)	
162	7-685-131-19	SCREW +P 2.6X4 TYPE2 NON-SLIT		S1002	1-571-081-11	SWITCH, LEAF (CASSETTE HALF DET)	
163	3-392-753-01	PCB CONTROL BLK		S1003	1-571-081-11	SWITCH, LEAF (70 u DET)	
164	3-392-756-01	BELT, MAIN		S1004	1-571-081-11	SWITCH, LEAF (METAL DET)	
165	3-392-749-01	ASSY F/W		S1005	1-571-820-11	SWITCH, LEAF (HEAD SW)	

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

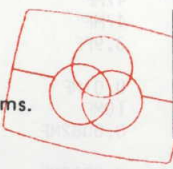
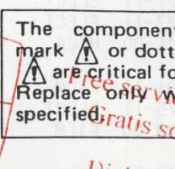
- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:

UA....: μ A...., UPA....: μ PA....,

UPC....: μ PC, UPD....: μ PD....

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified in service manuals.

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
901	*A-2006-106-A	(AEP).....MOUNTED PCB, AUDIO	C212	1-136-173-00	FILM 0.47MF 5% 50V
	*A-2006-107-A	(West Germany)...MOUNTED PCB, AUDIO	C213	1-136-167-00	FILM 0.15MF 5% 50V
902	★1-555-795-00	CORD, POWER, EULO PLUG	C214	1-136-169-00	FILM 0.22MF 5% 50V
903	1-574-931-11	WIRE, FLAT TYPE (23 CORE)	C215	1-136-163-00	FILM 0.068MF 5% 50V
904	1-548-589-81	COUNTER, TAPE (MIDDLE TYPE)	C216	1-136-155-00	FILM 0.015MF 5% 50V
C101	1-123-875-11	ELECT 10MF 20% 50V	C217	1-136-161-00	FILM 0.047MF 5% 50V
C104	1-162-290-31	CERAMIC 470PF 10% 50V	C218	1-130-481-00	MYLAR 0.0068MF 5% 50V
C105	1-136-158-00	FILM 0.027MF 5% 50V	C219	1-136-153-00	FILM 0.01MF 5% 50V
C106	1-124-273-00	ELECT 3.3MF 20% 50V	C220	1-123-875-11	ELECT 10MF 20% 50V
C107	1-136-158-00	FILM 0.027MF 5% 50V	C221	1-136-273-91	FILM 75PF 5% 630V
C108	1-130-476-00	MYLAR 0.0027MF 5% 50V	C222	1-162-284-31	CERAMIC 150PF 10% 50V
C109	1-123-875-11	ELECT 10MF 20% 50V	C223	1-124-927-11	ELECT 4.7MF 20% 50V
C110	1-124-657-00	ELECT 10MF 20% 50V	C224	1-124-477-11	ELECT 47MF 20% 16V
C111	1-130-479-00	MYLAR 0.0047MF 5% 50V	C225	1-136-161-00	FILM 0.047MF 5% 50V
C112	1-136-173-00	FILM 0.47MF 5% 50V	C226	1-124-927-11	ELECT 4.7MF 20% 50V
C113	1-136-167-00	FILM 0.15MF 5% 50V	C227	1-136-154-00	FILM 0.012MF 5% 50V
C114	1-136-169-00	FILM 0.22MF 5% 50V	C228	1-136-155-00	FILM 0.015MF 5% 50V
C115	1-136-163-00	FILM 0.068MF 5% 50V	C229	1-136-155-00	FILM 0.015MF 5% 50V
C116	1-136-155-00	FILM 0.015MF 5% 50V	C230	1-130-481-00	MYLAR 0.0068MF 5% 50V
C117	1-136-161-00	FILM 0.047MF 5% 50V	C231	1-130-477-00	MYLAR 0.0033MF 5% 50V
C118	1-130-481-00	MYLAR 0.0068MF 5% 50V	C232	1-130-471-00	MYLAR 0.001MF 5% 50V
C119	1-136-153-00	FILM 0.01MF 5% 50V	C301	1-130-472-00	MYLAR 0.0012MF 5% 50V
C120	1-123-875-11	ELECT 10MF 20% 50V	C302	1-136-433-11	FILM 100PF 5% 630V
C121	1-136-273-91	FILM 75PF 5% 630V	C303	1-136-433-11	FILM 100PF 5% 630V
C122	1-162-284-31	CERAMIC 150PF 10% 50V	C304	1-136-157-00	FILM 0.022MF 5% 50V
C123	1-124-927-11	ELECT 4.7MF 20% 50V	C305	1-136-165-00	FILM 0.1MF 5% 50V
C124	1-124-477-11	ELECT 47MF 20% 16V	C306	1-136-153-00	FILM 0.01MF 5% 50V
C125	1-136-161-00	FILM 0.047MF 5% 50V	C307	1-124-927-11	ELECT 4.7MF 20% 50V
C126	1-124-927-11	ELECT 4.7MF 20% 50V	C308	1-124-438-00	ELECT 1MF 20% 50V
C127	1-136-154-00	FILM 0.012MF 5% 50V	C401	1-130-472-00	MYLAR 0.0012MF 5% 50V
C128	1-136-155-00	FILM 0.015MF 5% 50V	C402	1-136-433-11	FILM 100PF 5% 630V
C129	1-136-155-00	FILM 0.015MF 5% 50V	C403	1-136-433-11	FILM 100PF 5% 630V
C130	1-130-481-00	MYLAR 0.0068MF 5% 50V	C404	1-136-157-00	FILM 0.022MF 5% 50V
C131	1-130-477-00	MYLAR 0.0033MF 5% 50V	C405	1-136-165-00	FILM 0.1MF 5% 50V
C132	1-130-471-00	MYLAR 0.001MF 5% 50V	C406	1-136-153-00	FILM 0.01MF 5% 50V
C201	1-123-875-11	ELECT 10MF 20% 50V	C407	1-126-163-11	ELECT 4.7MF 20% 50V
C204	1-162-290-31	CERAMIC 470PF 10% 50V	C408	1-124-499-11	ELECT 1MF 20% 50V
C205	1-136-158-00	FILM 0.027MF 5% 50V	C501	1-124-443-00	ELECT 100MF 20% 10V
C206	1-124-273-00	ELECT 3.3MF 20% 50V	C502	1-124-443-00	ELECT 100MF 20% 10V
C207	1-136-158-00	FILM 0.027MF 5% 50V	C503	1-123-382-00	ELECT 3.3MF 20% 50V
C208	1-130-476-00	MYLAR 0.0027MF 5% 50V	C504	1-124-927-11	ELECT 4.7MF 20% 50V
C209	1-123-875-11	ELECT 10MF 20% 50V	C505	1-124-443-00	ELECT 100MF 20% 10V
C210	1-124-657-00	ELECT 10MF 20% 50V	C506	1-124-443-00	ELECT 100MF 20% 10V
C211	1-130-479-00	MYLAR 0.0047MF 5% 50V	C507	1-124-927-11	ELECT 4.7MF 20% 50V
			C508	1-124-925-11	ELECT 2.2MF 20% 50V

TC-K410

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description
C509	1-124-477-11	ELECT	47MF	20%	16V		D408	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER R)
C510	1-124-477-11	ELECT	47MF	20%	16V		8-719-301-38	(B)...LED SEL2210S-C (LEVEL METER R)	
C511	1-107-045-00	MICA	3.9PF	0.5PF	500V		D501	8-719-107-94	DIODE 1SS202-1
							D502	8-719-107-94	DIODE 1SS202-1
C512	1-136-601-11	FILM	0.01MF	5%	630V		D503	8-719-107-94	DIODE 1SS202-1
C513	1-123-875-11	ELECT	10MF	20%	50V		D504	8-719-107-94	DIODE 1SS202-1
C514	1-130-848-00	FILM	0.0082MF	5%	100V		D505	8-719-107-94	DIODE 1SS202-1
C515	1-136-593-11	FILM	0.0033MF	5%	100V		D701	8-719-200-77	DIODE 10E2N
C516	1-136-593-11	FILM	0.0033MF	5%	100V		D702	8-719-200-77	DIODE 10E2N
C517	1-124-446-11	ELECT	47MF	20%	10V		D703	8-719-200-77	DIODE 10E2N
C518	1-124-477-11	ELECT	47MF	20%	16V		D704	8-719-200-77	DIODE 10E2N
C519	1-124-902-00	ELECT	0.47MF	20%	50V		D705	8-719-200-77	DIODE 10E2N
C520	1-124-589-11	ELECT	47MF	20%	10V		D706	8-719-200-77	DIODE 10E2N
C522	1-161-494-00	CERAMIC	0.022MF		25V		D707	8-719-107-94	DIODE 1SS202-1
C701	1-124-927-11	ELECT	4.7MF	20%	50V		D708	8-719-200-77	DIODE 10E2N
C702	1-124-556-11	ELECT	2200MF	20%	16V		D709	8-719-933-33	DIODE UZS6A1L
C703	1-124-556-11	ELECT	2200MF	20%	16V		D710	8-719-933-33	DIODE UZS6A1L
C704	1-124-477-11	ELECT	47MF	20%	16V		D801	8-719-107-94	DIODE 1SS202-1
C705	1-124-477-11	ELECT	47MF	20%	16V		D802	8-719-933-33	DIODE UZS6A1L
C706	1-124-473-11	ELECT	1000MF	20%	10V		D803	8-719-200-77	DIODE 10E2N
C707	1-124-473-11	ELECT	1000MF	20%	10V		D804	8-719-107-94	DIODE 1SS202-1
C801	1-124-927-11	ELECT	4.7MF	20%	50V		D805	8-719-107-94	DIODE 1SS202-1
C803	1-161-494-00	CERAMIC	0.022MF		25V		D806	8-719-107-94	DIODE 1SS202-1
C804	1-162-294-31	CERAMIC	0.001MF	10%	50V		D807	8-719-107-94	DIODE 1SS202-1
C805	1-124-443-00	ELECT	100MF	20%	10V		D808	8-719-107-94	DIODE 1SS202-1
C806	1-136-165-00	FILM	0.1MF	5%	50V		D901	8-719-941-46	LED GL-5HY41 (PAUSE)
C807	1-136-165-00	FILM	0.1MF	5%	50V		D902	8-719-302-52	LED SEL1410E (PLAY)
C808	1-161-379-00	CERAMIC	0.01MF	30%	16V		D903	8-719-302-45	LED SEL1210S (REC)
C809	1-162-282-31	CERAMIC	100PF	10%	50V		D904	8-719-301-43	LED SEL2410E-C (TYPE I)
C810	1-161-494-00	CERAMIC	0.022MF		25V		D905	8-719-301-43	LED SEL2410E-C (TYPE II)
C811	1-124-925-11	ELECT	2.2MF	20%	50V		D906	8-719-301-43	LED SEL2410E-C (TYPE IV)
C812	1-124-925-11	ELECT	2.2MF	20%	50V		HE101	1-543-375-11	HEAD, ERASE (EF-701-36)
C813	1-124-925-11	ELECT	2.2MF	20%	50V		HRP101	1-543-537-11	HEAD, MAGNETIC (REC/PB)
C814	1-124-477-11	ELECT	47MF	20%	16V		IC301	8-759-912-79	IC IR2E02
C901	1-124-443-00	(AEP)...ELECT	100MF	20%	10V		IC401	8-759-912-79	IC IR2E02
C902	1-162-294-31	(AEP)...CERAMIC	0.001MF	10%	50V		IC501	8-759-945-58	IC RC4558P
C910	1-162-284-31	(AEP)...CERAMIC	150PF	10%	50V		IC502	8-759-111-44	IC UPC4570C-1
C911	1-162-284-31	(AEP)...CERAMIC	150PF	10%	50V		IC503	8-752-018-70	IC CX20187
CN501	*1-564-509-11	PLUG, CONNECTOR 6P					IC504	8-759-601-02	IC M5218P
CN502	*1-564-506-11	PLUG, CONNECTOR 3P					IC505	8-759-106-56	IC UPC1297CA
CN503	*1-564-506-11	PLUG, CONNECTOR 3P					IC701	8-759-945-58	IC RC4558P
CN802	1-568-742-11	SOCKET, CONNECTOR 23P					IC801	8-759-633-31	IC M50925-385SP
CN901	1-568-741-11	SOCKET, CONNECTOR 23P					IC802	8-759-140-11	IC MC14011BCP
D301	8-719-301-43	LED SEL2410E-C (LEVEL METER L)					IC803	8-759-988-58	IC BA6209N
D302	8-719-301-43	LED SEL2410E-C (LEVEL METER L)					IC804	8-759-945-58	IC RC4558P
D303	8-719-301-43	LED SEL2410E-C (LEVEL METER L)					IC901	8-759-602-47	(AEP)...IC M50761-417P
D304	8-719-301-43	LED SEL2410E-C (LEVEL METER L)					IC902	8-749-920-83	(AEP)...IC GP1U52XB
D305	8-719-301-43	LED SEL2410E-C (LEVEL METER L)					J501	1-565-258-11	JACK, PIN 4P (LINE IN/OUT)
D306	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER L)					J502	1-507-796-71	JACK (HEADPHONES)
	8-719-301-38	(B)...LED SEL2210S-C (LEVEL METER L)					L101	1-410-780-11	INDUCTOR 27MMH
D307	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER L)					L102	1-410-771-11	INDUCTOR 4.7MMH
D308	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER L)					L201	1-410-780-11	INDUCTOR 27MMH
D401	8-719-301-38	(B)...LED SEL2210S-C (LEVEL METER L)					L202	1-410-771-11	INDUCTOR 4.7MMH
D402	8-719-301-43	LED SEL2410E-C (LEVEL METER R)					LPF101	1-231-388-00	FILTER, LOW PASS
D403	8-719-301-43	LED SEL2410E-C (LEVEL METER R)					LPF201	1-231-388-00	FILTER, LOW PASS
D404	8-719-301-43	LED SEL2410E-C (LEVEL METER R)							
D405	8-719-301-43	LED SEL2410E-C (LEVEL METER R)							
D406	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER R)							
	8-719-301-38	(B)...LED SEL2210S-C (LEVEL METER R)							
D407	8-719-900-19	(A)...LED SLR-34UW5 (LEVEL METER R)							
	8-719-301-38	(B)...LED SEL2210S-C (LEVEL METER R)							

Note

A : AEP model Serial No. #500,001~503,500
WG model Serial No. #4,500,001~4,505,200

Note

A : AEP model Serial No. #500,001~503,500
WG model Serial No. #4,500,001~4,505,200

B : AEP model Serial No. #503,501~
WG model Serial No. #4,505,201~

Ref.No.	Part No.	Description
M1001	X-3391-130-1	MOTOR ASSY
M1002	3-392-709-01	MTR REEL BLK
PM1001	3-392-750-01	SOLENOID ASSY
Q101	8-729-119-78	TRANSISTOR 2SC2785HFE
Q102	8-729-900-80	TRANSISTOR DTC114ES
Q103	8-729-119-78	TRANSISTOR 2SC2785HFE
Q104	8-729-900-74	TRANSISTOR DTC143TS
Q105	8-729-900-80	TRANSISTOR DTC114ES
Q106	8-729-900-80	TRANSISTOR DTC114ES
Q107	8-729-900-80	TRANSISTOR DTC114ES
Q108	8-729-900-80	TRANSISTOR DTC114ES
Q201	8-729-119-78	TRANSISTOR 2SC2785HFE
Q202	8-729-900-80	TRANSISTOR DTC114ES
Q203	8-729-119-78	TRANSISTOR 2SC2785HFE
Q204	8-729-900-74	TRANSISTOR DTC143TS
Q205	8-729-900-80	TRANSISTOR DTC114ES
Q206	8-729-900-80	TRANSISTOR DTC114ES
Q207	8-729-900-80	TRANSISTOR DTC114ES
Q208	8-729-900-80	TRANSISTOR DTC114ES
Q501	8-729-119-78	TRANSISTOR 2SC2785HFE
Q502	8-729-900-80	TRANSISTOR DTC114ES
Q503	8-729-194-57	TRANSISTOR 2SC945P
Q504	8-729-194-57	TRANSISTOR 2SC945P
Q505	8-729-900-89	TRANSISTOR DTC144ES
Q506	8-729-900-80	TRANSISTOR DTC114ES
Q507	8-729-600-60	TRANSISTOR 2SA1115P
Q508	8-729-900-80	TRANSISTOR DTC114ES
Q509	8-729-900-61	TRANSISTOR DTA114ES
Q701	8-729-920-91	TRANSISTOR 2SB1187-F
Q702	8-729-808-76	TRANSISTOR 2SD1913SA
Q801	8-729-119-78	TRANSISTOR 2SC2785HFE
Q802	8-729-119-78	TRANSISTOR 2SC2785HFE
Q803	8-729-900-61	TRANSISTOR DTA114ES
Q804	8-729-900-61	TRANSISTOR DTA114ES
Q805	8-729-900-61	TRANSISTOR DTA114ES
Q806	8-729-900-61	TRANSISTOR DTA114ES
Q807	8-729-806-10	TRANSISTOR 2SA1348
Q808	8-729-900-61	TRANSISTOR DTA114ES
Q809	8-729-116-57	TRANSISTOR 2SB1068K
Q810	8-729-102-14	TRANSISTOR 2SD1012
Q811	8-729-116-57	TRANSISTOR 2SB1068K
Q812	8-729-806-10	TRANSISTOR 2SA1348
Q813	8-729-806-10	TRANSISTOR 2SA1348
Q814	8-729-806-10	TRANSISTOR 2SA1348
Q815	8-729-806-10	TRANSISTOR 2SA1348
Q816	8-729-119-78	TRANSISTOR 2SC2785HFE
Q817	8-729-600-60	TRANSISTOR 2SA1115P
Q901	8-729-806-10	(AEP)...TRANSISTOR 2SA1348
Q1001	1-807-509-11	PHOTO SENSOR (GP2S09)
R101	1-249-417-11	CARBON 1K 5% 1/4W
R102	1-249-435-11	CARBON 33K 5% 1/4W
R103	1-249-438-11	CARBON 56K 5% 1/4W
R104	1-249-421-11	CARBON 2.2K 5% 1/4W
R105	1-249-429-11	CARBON 10K 5% 1/4W
R106	1-249-428-11	CARBON 8.2K 5% 1/4W

Ref.No.	Part No.	Description
R107	1-249-427-11	CARBON 6.8K 5% 1/4W
R108	1-249-409-11	CARBON 220 5% 1/4W
R109	1-247-866-11	CARBON 30K 5% 1/4W
R110	1-247-858-11	CARBON 13K 5% 1/4W
R111	1-247-891-00	CARBON 330K 5% 1/4W
R112	1-249-405-11	CARBON 100 5% 1/4W
R113	1-247-882-11	CARBON 130K 5% 1/4W
R114	1-247-848-11	CARBON 5.1K 5% 1/4W
R115	1-249-421-11	CARBON 2.2K 5% 1/4W
R116	1-247-840-00	CARBON 2.4K 5% 1/4W
R117	1-247-887-00	CARBON 220K 5% 1/4W
R118	1-249-417-11	CARBON 1K 5% 1/4W
R119	1-249-441-11	CARBON 100K 5% 1/4W
R120	1-249-423-11	CARBON 3.3K 5% 1/4W
R121	1-249-428-11	CARBON 8.2K 5% 1/4W
R122	1-249-421-11	CARBON 2.2K 5% 1/4W
R123	1-247-840-00	CARBON 2.4K 5% 1/4W
R124	1-247-846-11	CARBON 4.3K 5% 1/4W
R125	1-247-822-11	CARBON 430 5% 1/4W
R126	1-249-427-11	CARBON 6.8K 5% 1/4W
R127	1-249-415-11	CARBON 680 5% 1/4W
R128	1-249-431-11	CARBON 15K 5% 1/4W
R129	1-249-430-11	CARBON 12K 5% 1/4W
R130	1-249-421-11	CARBON 2.2K 5% 1/4W
R131	1-249-429-11	CARBON 10K 5% 1/4W
R132	1-249-441-11	CARBON 100K 5% 1/4W
R133	1-247-887-00	CARBON 220K 5% 1/4W
R134	1-249-421-11	CARBON 2.2K 5% 1/4W
R135	1-249-437-11	CARBON 47K 5% 1/4W
R136	1-249-437-11	CARBON 47K 5% 1/4W
R137	1-249-396-11	CARBON 18 5% 1/4W
R138	1-249-393-11	CARBON 10 5% 1/4W
R139	1-249-425-11	CARBON 4.7K 5% 1/4W
R140	1-249-424-11	CARBON 3.9K 5% 1/4W
R141	1-249-429-11	CARBON 10K 5% 1/4W
R142	1-249-441-11	CARBON 100K 5% 1/4W
R143	1-249-408-11	CARBON 180 5% 1/4W
R201	1-249-417-11	CARBON 1K 5% 1/4W
R202	1-249-435-11	CARBON 33K 5% 1/4W
R203	1-249-438-11	CARBON 56K 5% 1/4W
R204	1-249-421-11	CARBON 2.2K 5% 1/4W
R205	1-249-429-11	CARBON 10K 5% 1/4W
R206	1-249-428-11	CARBON 8.2K 5% 1/4W
R207	1-249-427-11	CARBON 6.8K 5% 1/4W
R208	1-249-409-11	CARBON 220 5% 1/4W
R209	1-247-866-11	CARBON 30K 5% 1/4W
R210	1-247-858-11	CARBON 13K 5% 1/4W
R211	1-247-891-00	CARBON 330K 5% 1/4W
R212	1-249-405-11	CARBON 100 5% 1/4W
R213	1-247-882-11	CARBON 130K 5% 1/4W
R214	1-247-848-11	CARBON 5.1K 5% 1/4W
R215	1-249-421-11	CARBON 2.2K 5% 1/4W
R216	1-247-840-00	CARBON 2.4K 5% 1/4W
R217	1-247-887-00	CARBON 220K 5% 1/4W
R218	1-249-417-11	CARBON 1K 5% 1/4W
R219	1-249-441-11	CARBON 100K 5% 1/4W
R220	1-249-423-11	CARBON 3.3K 5% 1/4W

TC-K410

Ref.No.	Part No.	Description			
R221	1-249-428-11	CARBON	8.2K	5%	1/4W
R222	1-249-421-11	CARBON	2.2K	5%	1/4W
R223	1-247-840-00	CARBON	2.4K	5%	1/4W
R224	1-247-846-11	CARBON	4.3K	5%	1/4W
R225	1-247-822-11	CARBON	430	5%	1/4W
R226	1-249-427-11	CARBON	6.8K	5%	1/4W
R227	1-249-415-11	CARBON	680	5%	1/4W
R228	1-249-431-11	CARBON	15K	5%	1/4W
R229	1-249-430-11	CARBON	12K	5%	1/4W
R230	1-249-421-11	CARBON	2.2K	5%	1/4W
R231	1-249-429-11	CARBON	10K	5%	1/4W
R232	1-249-441-11	CARBON	100K	5%	1/4W
R233	1-247-887-00	CARBON	220K	5%	1/4W
R234	1-249-421-11	CARBON	2.2K	5%	1/4W
R235	1-249-437-11	CARBON	47K	5%	1/4W
R236	1-249-437-11	CARBON	47K	5%	1/4W
R237	1-249-396-11	CARBON	18	5%	1/4W
R238	1-249-393-11	CARBON	10	5%	1/4W
R239	1-249-425-11	CARBON	4.7K	5%	1/4W
R240	1-249-424-11	CARBON	3.9K	5%	1/4W
R241	1-249-429-11	CARBON	10K	5%	1/4W
R242	1-249-441-11	CARBON	100K	5%	1/4W
R243	1-249-408-11	CARBON	180	5%	1/4W
R301	1-247-883-00	CARBON	150K	5%	1/4W
R302	1-249-431-11	CARBON	15K	5%	1/4W
R303	1-249-393-11	CARBON	10	5%	1/4W
R304	1-249-441-11	CARBON	100K	5%	1/4W
R305	1-249-432-11	CARBON	18K	5%	1/4W
R306	1-249-441-11	CARBON	100K	5%	1/4W
R307	1-249-438-11	CARBON	56K	5%	1/4W
R308	1-249-431-11	(A)...CARBON	15K	5%	1/4W
	1-249-441-11	(B)...CARBON	100K	5%	1/4W
R309	1-249-421-11	(A)...CARBON	2.2K	5%	1/4W
	1-249-419-11	(B)...CARBON	1.5K	5%	1/4W
R310	1-249-432-11	CARBON	18K	5%	1/4W
R401	1-247-883-00	CARBON	150K	5%	1/4W
R402	1-249-431-11	CARBON	15K	5%	1/4W
R403	1-249-393-11	CARBON	10	5%	1/4W
R404	1-249-441-11	CARBON	100K	5%	1/4W
R405	1-249-432-11	CARBON	18K	5%	1/4W
R406	1-249-441-11	CARBON	100K	5%	1/4W
R407	1-249-438-11	CARBON	56K	5%	1/4W
R408	1-249-431-11	(A)...CARBON	15K	5%	1/4W
	1-249-441-11	(B)...CARBON	100K	5%	1/4W
R409	1-249-421-11	(A)...CARBON	2.2K	5%	1/4W
	1-249-419-11	(B)...CARBON	1.5K	5%	1/4W
R410	1-249-432-11	CARBON	18K	5%	1/4W
R501	1-249-409-11	CARBON	220	5%	1/4W
R502	1-249-409-11	CARBON	220	5%	1/4W
R503	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-249-409-11	CARBON	220	5%	1/4W
R505	1-249-429-11	CARBON	10K	5%	1/4W
R506	1-249-431-11	CARBON	15K	5%	1/4W
R507	1-249-421-11	CARBON	2.2K	5%	1/4W
R508	1-249-437-11	CARBON	47K	5%	1/4W
R509	1-249-437-11	CARBON	47K	5%	1/4W
R510	1-249-441-11	CARBON	100K	5%	1/4W
R511	1-249-405-11	CARBON	100	5%	1/4W
R512	1-215-469-00	METAL	100K	1%	1/6W
R513	1-249-421-11	CARBON	2.2K	5%	1/4W
R514	1-249-441-11	CARBON	100K	5%	1/4W

Ref.No.	Part No.	Description			
R515	1-249-390-11	CARBON	5.6	5%	1/4W
R516	1-249-438-11	CARBON	56K	5%	1/4W
R517	1-249-438-11	CARBON	56K	5%	1/4W
R518	1-247-858-11	CARBON	13K	5%	1/4W
R519	1-249-435-11	CARBON	33K	5%	1/4W
R520	1-247-844-11	CARBON	3.6K	5%	1/4W
R521	1-249-429-11	CARBON	10K	5%	1/4W
R522	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-249-404-00	CARBON	82	5%	1/4W
R526	1-247-842-11	CARBON	3K	5%	1/4W
R701	1-247-756-11	CARBON	2.2K	5%	1/2W
R702	1-249-425-11	CARBON	4.7K	5%	1/4W
R703	1-249-427-11	CARBON	6.8K	5%	1/4W
R704	1-249-428-11	CARBON	8.2K	5%	1/4W
R705	1-249-419-11	CARBON	1.5K	5%	1/4W
R706	1-249-419-11	CARBON	1.5K	5%	1/4W
R707	1-249-427-11	CARBON	6.8K	5%	1/4W
R708	1-249-425-11	CARBON	4.7K	5%	1/4W
R709	1-249-417-11	CARBON	1K	5%	1/4W
R710	1-249-427-11	CARBON	6.8K	5%	1/4W
R711	1-249-419-11	CARBON	1.5K	5%	1/4W
R801	1-249-416-11	CARBON	820	5%	1/4W
R802	1-249-425-11	CARBON	4.7K	5%	1/4W
R803	1-249-437-11	CARBON	47K	5%	1/4W
R804	1-249-437-11	CARBON	47K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-249-421-11	CARBON	2.2K	5%	1/4W
R808	1-249-421-11	CARBON	2.2K	5%	1/4W
R810	1-249-415-11	CARBON	680	5%	1/4W
R811	1-249-433-11	CARBON	22K	5%	1/4W
R812	1-247-887-00	CARBON	220K	5%	1/4W
R813	1-249-437-11	CARBON	47K	5%	1/4W
R814	1-249-437-11	CARBON	47K	5%	1/4W
R815	1-249-417-11	CARBON	1K	5%	1/4W
R816	1-249-437-11	CARBON	47K	5%	1/4W
R817	1-249-417-11	CARBON	1K	5%	1/4W
R818	1-249-437-11	CARBON	47K	5%	1/4W
R819	1-249-437-11	CARBON	47K	5%	1/4W
R820	1-249-437-11	CARBON	47K	5%	1/4W
R821	1-249-421-11	CARBON	2.2K	5%	1/4W
R822	1-249-437-11	CARBON	47K	5%	1/4W
R823	1-249-437-11	CARBON	47K	5%	1/4W
R824	1-249-437-11	CARBON	47K	5%	1/4W
R825	1-247-903-00	CARBON	1M	5%	1/4W
R826	1-247-826-00	CARBON	620	5%	1/4W
R827	1-249-415-11	CARBON	680	5%	1/4W
R828	1-249-416-11	CARBON	820	5%	1/4W
R829	1-249-435-11	CARBON	33K	5%	1/4W
R830	1-249-409-11	CARBON	220	5%	1/4W
R832	1-249-441-11	CARBON	100K	5%	1/4W
R833	1-249-423-11	CARBON	3.3K	5%	1/4W
R834	1-249-441-11	CARBON	100K	5%	1/4W
R835	1-249-428-11	CARBON	8.2K	5%	1/4W
R836	1-249-441-11	CARBON	100K	5%	1/4W
R837	1-249-417-11	CARBON	1K	5%	1/4W
R838	1-249-433-11	CARBON	22K	5%	1/4W
R839	1-249-429-11	CARBON	10K	5%	1/4W

Note

A : AEP model Serial No. #500,001~503,500
WG model Serial No. #4,500,001~4,505,200

B : AEP model Serial No. #503,501~
WG model Serial No. #4,505,201~

Ref.No.	Part No.	Description
R840	1-249-441-11	CARBON 100K 5% 1/4W
R841	1-249-413-11	CARBON 470 5% 1/4W
R842	1-249-437-11	CARBON 47K 5% 1/4W
R901	1-249-409-11	CARBON 220 5% 1/4W
R902	1-249-409-11	CARBON 220 5% 1/4W
R903	1-249-412-11	CARBON 390 5% 1/4W
R904	1-247-826-00	CARBON 620 5% 1/4W
R905	1-247-830-11	CARBON 910 5% 1/4W
R906	1-247-826-00	CARBON 620 5% 1/4W
R907	1-247-830-11	CARBON 910 5% 1/4W
R908	1-249-420-11	CARBON 1.8K 5% 1/4W
R909	1-249-432-11	(AEP)...CARBON 18K 5% 1/4W
R910	1-249-430-11	(AEP)...CARBON 12K 5% 1/4W
R911	1-249-433-11	(AEP)...CARBON 22K 5% 1/4W
R912	1-247-903-00	(AEP)...CARBON 1M 5% 1/4W
R913	1-249-422-11	(AEP)...CARBON 2.7K 5% 1/4W
R914	1-249-425-11	CARBON 4.7K 5% 1/4W
R915	1-249-420-11	CARBON 1.8K 5% 1/4W
R916	1-249-435-11	CARBON 33K 5% 1/4W
R917	1-249-427-11	CARBON 6.8K 5% 1/4W
R918	1-249-409-11	CARBON 220 5% 1/4W
R919	1-249-409-11	CARBON 220 5% 1/4W
R920	1-249-409-11	CARBON 220 5% 1/4W
RV101	1-228-994-00	RES, ADJ, CARBON 10K(PLAYBACK LEVEL L)
RV102	1-228-994-00	RES, ADJ, CARBON 10K(RECORD LEVEL L)
RV201	1-228-994-00	RES, ADJ, CARBON 10K(PLAYBACK LEVEL R)
RV202	1-228-994-00	RES, ADJ, CARBON 10K(RECORD LEVEL R)
RV301	1-228-995-00	RES, ADJ, CARBON 22K(RECORD BIAS L)
RV401	1-228-995-00	RES, ADJ, CARBON 22K(RECORD BIAS R)
RV501	1-238-097-11	RES, VAR, CARBON 20K/20K (REC LEVEL)
RV901	1-238-373-11	RES, VAR, CARBON 5K (BIAS)
RY501	1-515-683-11	RELAY

Ref.No.	Part No.	Description
S901	1-554-596-21	SWITCH, KEY BOARD (PAUSE)
S902	1-554-596-21	SWITCH, KEY BOARD (PLAY)
S903	1-554-596-21	SWITCH, KEY BOARD (REC MUTE)
S904	1-554-596-21	SWITCH, KEY BOARD (STOP)
S905	1-554-596-21	SWITCH, KEY BOARD (REW)
S906	1-554-596-21	SWITCH, KEY BOARD (FF)
S907	1-554-596-21	SWITCH, KEY BOARD (REC)
S908	1-571-741-11	SWITCH, ROTARY (DOLBY NR)
S909	1-571-742-11	SWITCH, ROTARY (MPX FILTER)
S910	1-554-423-00	SWITCH, SLIDE (TIMER)
S911	1-570-103-21	SWITCH, PUSH (1 KEY)(POWER ON/OFF)
S1001	1-571-081-11	SWITCH, LEAF (ERASE PROOF)
S1002	1-571-081-11	SWITCH, LEAF (CASSETTE HALF DET)
S1003	1-571-081-11	SWITCH, LEAF (70μ DET)
S1004	1-571-081-11	SWITCH, LEAF (METAL DET)
S1005	1-571-820-11	SWITCH, LEAF (HEAD SW)
SPK101	1-235-186-00	ENCAPSULATED COMPONENT (BIAS CONSUMPTION L)
SPK201	1-235-186-00	ENCAPSULATED COMPONENT (BIAS CONSUMPTION R)
T301	1-433-354-11	TRANSFORMER, BIAS OSCILLATION
T401	1-433-354-11	TRANSFORMER, BIAS OSCILLATION
T501	1-433-355-11	TRANSFORMER, BIAS OSCILLATION
T701	1-449-783-11	TRANSFORMER, POWER
X801	1-577-358-21	VIBRATOR, CERAMIC (4MHz)
X901	1-527-532-00	(AEP)...OSCILLATOR, CERAMIC (400kHz)

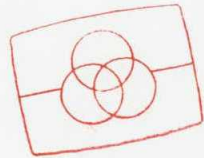
ACCESSORY & PACKING MATERIAL

1-559-533-11	CORD, CONNECTION
*3-332-556-91	INDIVIDUAL CARTON
*3-349-005-01	CUSHION
3-750-571-11	(AEP)...MANUAL, INSTRUCTION
3-750-571-41	(AEP)...MANUAL, INSTRUCTION
3-750-571-51	(West Germany)...MANUAL, INSTRUCTION

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
8845	1-549-433-11	CARBON	8845	1-549-433-11	CARBON
8847	1-549-433-11	CARBON	8847	1-549-433-11	CARBON
8849	1-549-433-11	CARBON	8849	1-549-433-11	CARBON
8851	1-549-433-11	CARBON	8851	1-549-433-11	CARBON
8853	1-549-433-11	CARBON	8853	1-549-433-11	CARBON
8855	1-549-433-11	CARBON	8855	1-549-433-11	CARBON
8857	1-549-433-11	CARBON	8857	1-549-433-11	CARBON
8859	1-549-433-11	CARBON	8859	1-549-433-11	CARBON
8861	1-549-433-11	CARBON	8861	1-549-433-11	CARBON
8863	1-549-433-11	CARBON	8863	1-549-433-11	CARBON
8865	1-549-433-11	CARBON	8865	1-549-433-11	CARBON
8867	1-549-433-11	CARBON	8867	1-549-433-11	CARBON
8869	1-549-433-11	CARBON	8869	1-549-433-11	CARBON
8871	1-549-433-11	CARBON	8871	1-549-433-11	CARBON
8873	1-549-433-11	CARBON	8873	1-549-433-11	CARBON
8875	1-549-433-11	CARBON	8875	1-549-433-11	CARBON
8877	1-549-433-11	CARBON	8877	1-549-433-11	CARBON
8879	1-549-433-11	CARBON	8879	1-549-433-11	CARBON
8881	1-549-433-11	CARBON	8881	1-549-433-11	CARBON
8883	1-549-433-11	CARBON	8883	1-549-433-11	CARBON
8885	1-549-433-11	CARBON	8885	1-549-433-11	CARBON
8887	1-549-433-11	CARBON	8887	1-549-433-11	CARBON
8889	1-549-433-11	CARBON	8889	1-549-433-11	CARBON
8891	1-549-433-11	CARBON	8891	1-549-433-11	CARBON
8893	1-549-433-11	CARBON	8893	1-549-433-11	CARBON
8895	1-549-433-11	CARBON	8895	1-549-433-11	CARBON
8897	1-549-433-11	CARBON	8897	1-549-433-11	CARBON
8899	1-549-433-11	CARBON	8899	1-549-433-11	CARBON
8901	1-549-433-11	CARBON	8901	1-549-433-11	CARBON
8903	1-549-433-11	CARBON	8903	1-549-433-11	CARBON
8905	1-549-433-11	CARBON	8905	1-549-433-11	CARBON
8907	1-549-433-11	CARBON	8907	1-549-433-11	CARBON
8909	1-549-433-11	CARBON	8909	1-549-433-11	CARBON
8911	1-549-433-11	CARBON	8911	1-549-433-11	CARBON
8913	1-549-433-11	CARBON	8913	1-549-433-11	CARBON
8915	1-549-433-11	CARBON	8915	1-549-433-11	CARBON
8917	1-549-433-11	CARBON	8917	1-549-433-11	CARBON
8919	1-549-433-11	CARBON	8919	1-549-433-11	CARBON
8921	1-549-433-11	CARBON	8921	1-549-433-11	CARBON
8923	1-549-433-11	CARBON	8923	1-549-433-11	CARBON
8925	1-549-433-11	CARBON	8925	1-549-433-11	CARBON
8927	1-549-433-11	CARBON	8927	1-549-433-11	CARBON
8929	1-549-433-11	CARBON	8929	1-549-433-11	CARBON
8931	1-549-433-11	CARBON	8931	1-549-433-11	CARBON
8933	1-549-433-11	CARBON	8933	1-549-433-11	CARBON
8935	1-549-433-11	CARBON	8935	1-549-433-11	CARBON
8937	1-549-433-11	CARBON	8937	1-549-433-11	CARBON
8939	1-549-433-11	CARBON	8939	1-549-433-11	CARBON
8941	1-549-433-11	CARBON	8941	1-549-433-11	CARBON
8943	1-549-433-11	CARBON	8943	1-549-433-11	CARBON
8945	1-549-433-11	CARBON	8945	1-549-433-11	CARBON
8947	1-549-433-11	CARBON	8947	1-549-433-11	CARBON
8949	1-549-433-11	CARBON	8949	1-549-433-11	CARBON
8951	1-549-433-11	CARBON	8951	1-549-433-11	CARBON
8953	1-549-433-11	CARBON	8953	1-549-433-11	CARBON
8955	1-549-433-11	CARBON	8955	1-549-433-11	CARBON
8957	1-549-433-11	CARBON	8957	1-549-433-11	CARBON
8959	1-549-433-11	CARBON	8959	1-549-433-11	CARBON
8961	1-549-433-11	CARBON	8961	1-549-433-11	CARBON
8963	1-549-433-11	CARBON	8963	1-549-433-11	CARBON
8965	1-549-433-11	CARBON	8965	1-549-433-11	CARBON
8967	1-549-433-11	CARBON	8967	1-549-433-11	CARBON
8969	1-549-433-11	CARBON	8969	1-549-433-11	CARBON
8971	1-549-433-11	CARBON	8971	1-549-433-11	CARBON
8973	1-549-433-11	CARBON	8973	1-549-433-11	CARBON
8975	1-549-433-11	CARBON	8975	1-549-433-11	CARBON
8977	1-549-433-11	CARBON	8977	1-549-433-11	CARBON
8979	1-549-433-11	CARBON	8979	1-549-433-11	CARBON
8981	1-549-433-11	CARBON	8981	1-549-433-11	CARBON
8983	1-549-433-11	CARBON	8983	1-549-433-11	CARBON
8985	1-549-433-11	CARBON	8985	1-549-433-11	CARBON
8987	1-549-433-11	CARBON	8987	1-549-433-11	CARBON
8989	1-549-433-11	CARBON	8989	1-549-433-11	CARBON
8991	1-549-433-11	CARBON	8991	1-549-433-11	CARBON
8993	1-549-433-11	CARBON	8993	1-549-433-11	CARBON
8995	1-549-433-11	CARBON	8995	1-549-433-11	CARBON
8997	1-549-433-11	CARBON	8997	1-549-433-11	CARBON
8999	1-549-433-11	CARBON	8999	1-549-433-11	CARBON

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.



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