

TC-W255

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

TC-W255 are a stereo double cassette deck in SEN-220, SEN-270, SEN-470, SEN-570 and SEN-670, respectively.

SPECIFICATIONS

Recording system 4-track 2-channel stereo
Frequency response

DOLBY NR OFF

With TYPE IV cassette (Sony METAL-ES)
30 – 15,000 Hz (± 3 dB/DIN)

With TYPE II cassette (Sony UX-S)
30 – 14,000 Hz (± 3 dB/DIN)

With TYPE I cassette (Sony HF-S)
30 – 13,000 Hz (± 3 dB/DIN)

Wow and flutter 0.12% WRMS (NAB)
 $\pm 0.2\%$ (DIN)

General

Dimensions Approx. 430 × 135 × 250 mm (w/h/d)
(17 × 5 $\frac{3}{8}$ × 9 $\frac{7}{8}$ inches)

Weight incl. projecting parts and controls
Approx. 3 kg (6 lb 10 oz) net

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHEMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.



MICROFILM

Tape Transport	DECK A	TCM-YM47CW-23
Mechanism Type	DECK B	TCM-YM47CW-24

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STEREO CASSETTE DECK
SONY®

TC

SAFETY CHECK-OUT (US Model)

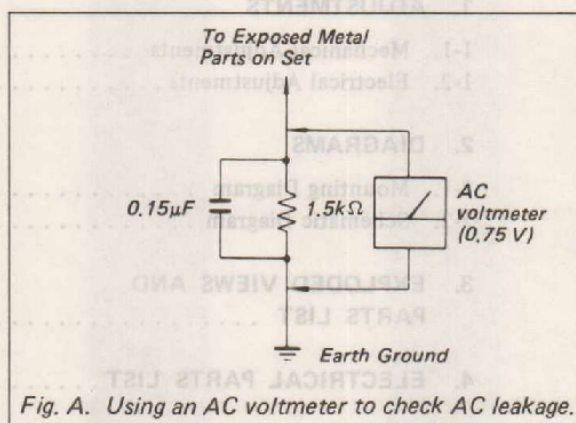
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

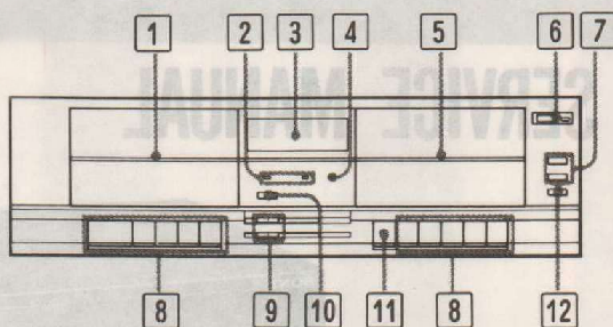
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



FUNCTION OF CONTROLS



- 1 **Cassette holder (deck A)**
- 2 **SPEED indicators**
HIGH or NORMAL lights up according to DUBBING SPEED setting.
- 3 **PEAK LEVEL METERS**
Show each channel's peak input level in recording as well as the recorded levels in playback. When both decks are played back, the meters show the level for deck A.
- 4 **REC (record) indicator**
Lights up during recording on the deck B.
- 5 **Cassette holder (deck B)**
- 6 **COUNTER (tape counter) and RESET button (deck B)**
Use the counter as a reference when searching for recorded materials. To reset the counter to zero, press RESET.
- 7 **TAPE (DECK-B) selectors**
Select the tape type used on deck B.
- 8 **Tape operation buttons**
 - ▶ PLAY button
 - ◀◀ REW (rewind) button
 - ▶▶ FF (fast forward) button
 - ▲ STOP/EJECT button
 - || PAUSE button
- 9 **REC LEVEL (recording level) controls (deck B only)**
Adjust the recording level.
- 10 **DUBBING SPEED selector**
Depress for the high speed dubbing (▲ HIGH). Press again to return to the normal dubbing speed (◻ NORMAL).
- 11 **● REC (record) button**
- 12 **DOLBY NR switch**
Depress to record or play back using the Dolby NR* (Noise Reduction) system.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ◻◻ are trademarks of Dolby Laboratories Licensing Corporation.

SECTION 1
ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENTS
PRECAUTION

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

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

Torque Measurement	Torque	Meter reading
FWD	CQ-102C	30 – 70 g·cm (0.42 – 0.97 oz·inch)
FWD Back tension	CQ-102C	1.5 – 5.5 g·cm (0.020 – 0.076 oz·inch)
FF, REW	CQ-201B	63 g·cm or more (0.87 oz·inch)

1-2. ELECTRICAL ADJUSTMENTS

- Demagnetize the record/playback and erase 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 with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- The adjustments should be performed for both L-CH and R-CH.

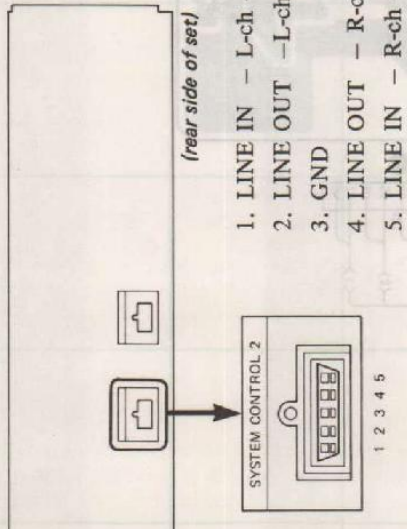
Type	Signal	Used for
P-4-A100	10 kHz, -10 dB	Head Azimuth Adjustment
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Playback Level Adjustment

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

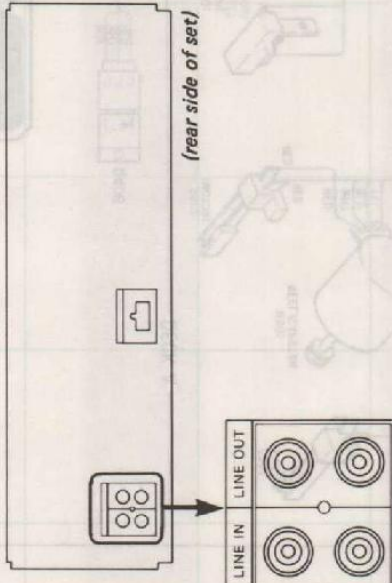
DOLBY NR switch: OFF
Tape select switch: NORMAL
(DECK-B)

LINE IN/OUT:

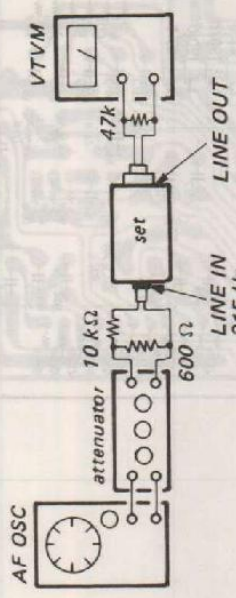
US, Canadian and E model



AEP model



Mode: record



Standard Input Level

	LINE IN
source impedance	10 kΩ
input level	0.25 V (-10 dB)

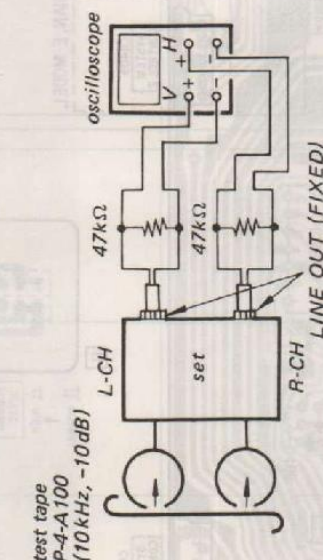
Standard Output Level

	LINE OUT
load impedance	47 kΩ
output level	0.44 V (-5 dB)

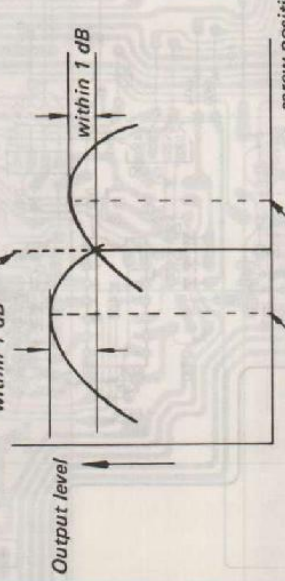
Record/Playback Head Azimuth Adjustment

Procedure:

1. Mode: FWD playback

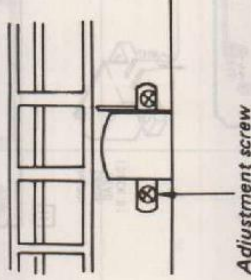


2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



3. After the adjustments, apply suitable locking compound to the parts adjusted.

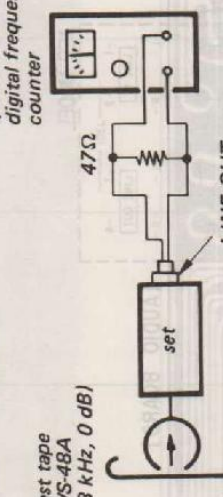
Adjustment Location:



Tape Speed Adjustment

Procedure:

- Mode: FWD playback



1. Connect pin to with the lead wire. (CN408)

Speed checker	Digital frequency counter
-0.5 – +0.5%	5,980 ± 30 Hz

Frequency difference between the beginning and the end of the tape should be within 1.5% (90 Hz).

Adjustment location:

- DECK-A side RV401
DECK-B side RV403

2. Remove the wire in step 1. (CN408)

Speed checker	Digital frequency counter
-0.3 – +0.3%	2,980 ± 10 Hz

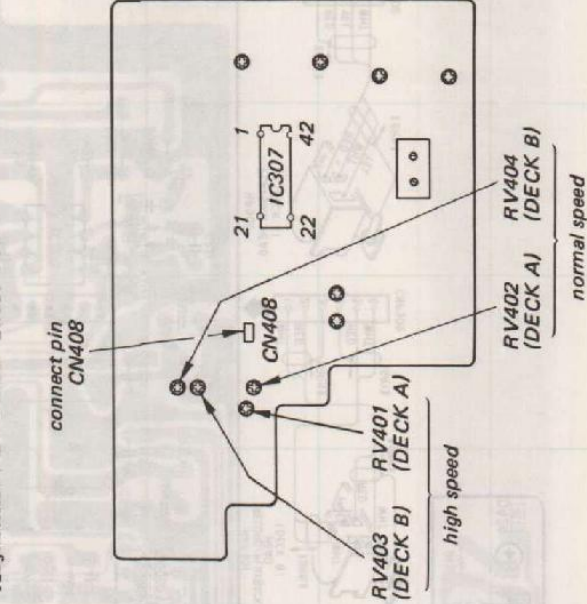
Frequency difference between the beginning and the end of the tape should be within 1.5% (45 Hz).

Adjustment location:

- DECK-A side RV402
DECK-B side RV404

3. If the specifications are not satisfied, repeat step 1 and 2.

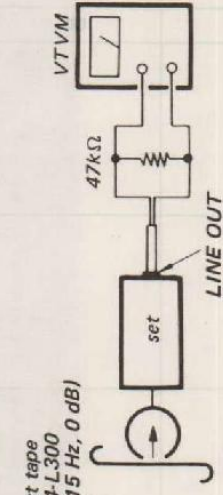
Adjustment Location: audio board



Playback Level Adjustment

Procedure:

- Mode: FWD playback



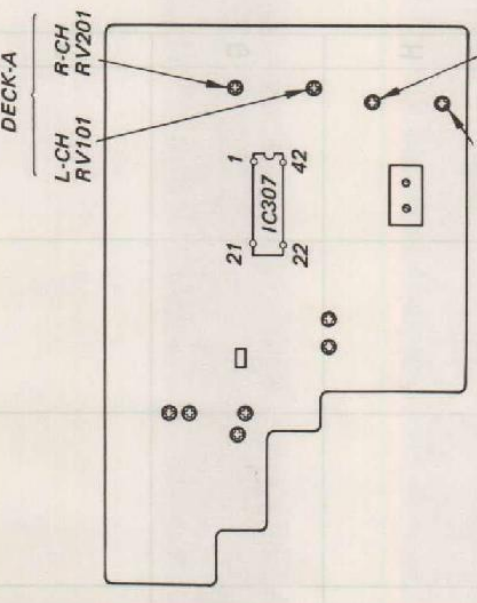
Adjust, DECK-A side RV101 (L-CH), RV201 (R-CH)
DECK-B side RV102 (L-CH), RV202 (R-CH)
so that the specifications are satisfied.

Specification:

LINE OUT level: 0.44 V (-5 dB)

level difference between the channels:
within 0.5 dB

Adjustment Location: audio board



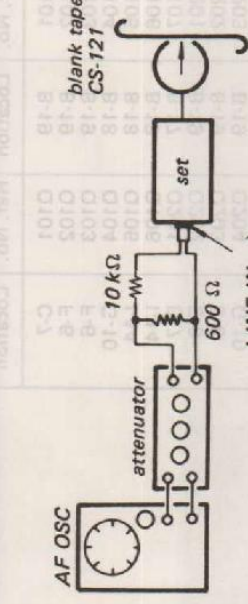
Record BIAS Adjustment

Setting:

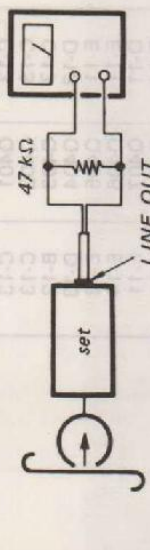
- TAPE SELECT: NORMAL (DECK-B)

Procedure:

1. Mode: record



2. Mode: playback

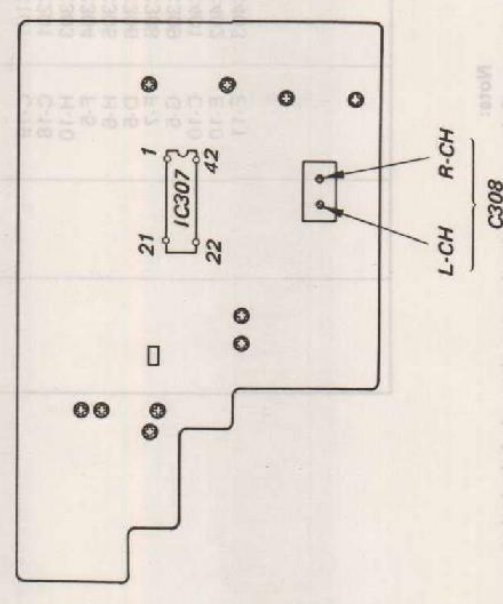


Play back the tape recorded in step 1. If the specification is not satisfied, adjust RV103 (L-CH), RV203 (R-CH) and repeat steps 1 and 2.

Specification:

The LINE OUT level of 10 kHz signal relative to that of 315 Hz: 0 dB ± 0.5 dB.

Adjustment Location: audio board



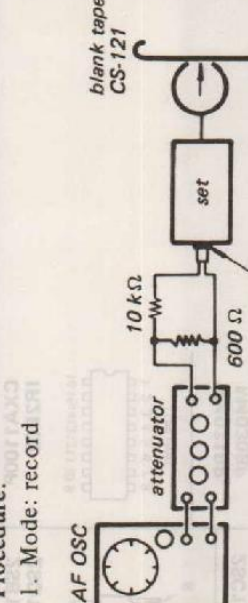
Record Level Adjustment

Setting:

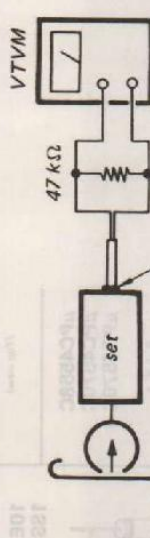
- TAPE SELECT: NORMAL (DECK-B)

Procedure:

1. Mode: record



2. Mode: playback

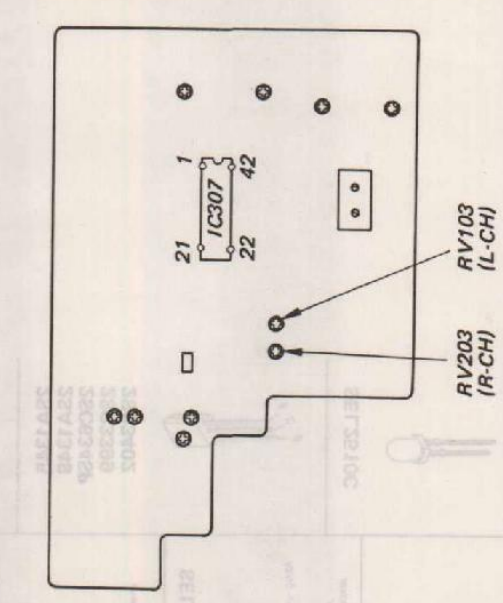


Play back the tape recorded in step 1. If the specification is not satisfied, adjust RV103 (L-CH), RV203 (R-CH) and repeat steps 1 and 2.

Specification:

LINE OUT level: -5 dB ± 0.5 dB

Adjustment Location: audio board



2-1. MOUNTING DIAGRAM

SECTION 2

DIAGRAMS

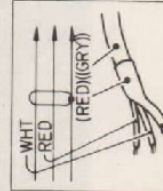
Semiconductor Lead Layouts

CXA1100P 2SB1094-L 2SD1585-K 	2SC1815 BL 	10E2N 1SS132 	μPC4558C μPC4570C-1 	2SA1175 	SEL1120W 	SEL2210W-C 	SEL2510C
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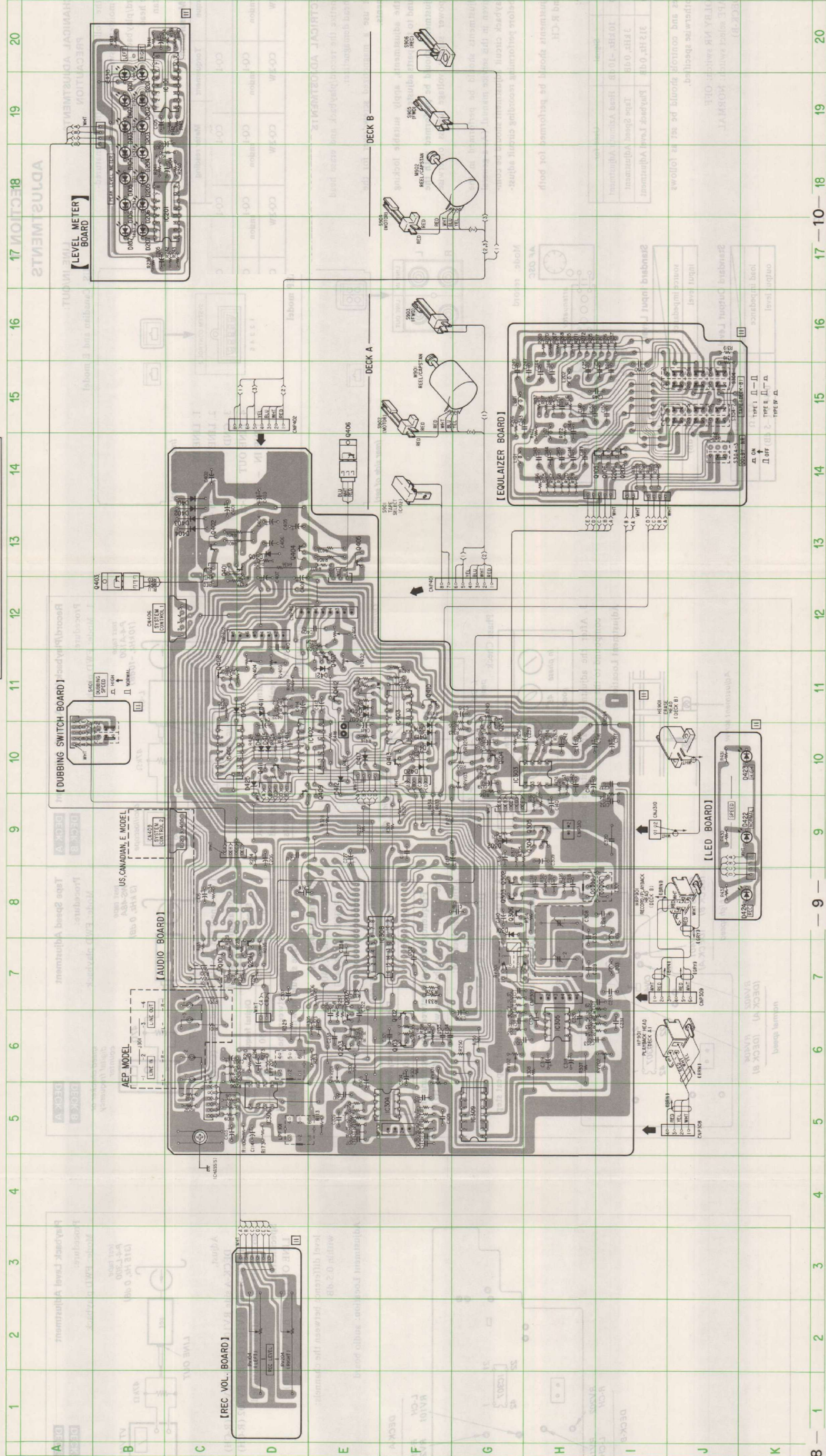
Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	B-19	Q101	C-7
D102	B-19	Q102	F-6
D103	B-19	Q103	F-6
D104	B-18	Q104	G-10
D105	B-18	Q105	G-10
D106	B-18	Q106	I-14
D107	B-17	Q201	D-7
D201	B-19	Q202	E-6
D202	B-19	Q203	E-6
D203	B-19	Q204	G-10
D204	B-18	Q205	I-14
D205	B-18	Q206	G-8
D206	B-18	Q302	G-8
D207	B-17	Q303	H-9
D301	G-8	Q304	H-9
D302	G-9	Q305	H-9
D401	C-14	Q306	G-8
D402	C-13	Q401	C-13
D403	C-13	Q402	C-13
D404	C-13	Q403	B-12
D405	D-13	Q404	D-13
D406	E-11	Q405	E-13
D407	E-11	Q406	E-14
D409	D-11	Q407	E-11
D411	D-11	Q408	C-11
D412	E-10	Q409	E-10
D413	E-11	Q410	F-11
D414	F-10	Q411	D-10
D415	D-10	Q412	E-11
D416	D-10	Q413	F-10
D417	E-10		
D418	F-10		
D419	F-10		
D420	F-10		
D421	E-11		
D422	K-9		
D423	K-9		
D424	D-8		
D425	D-10		
IC101	C-19		
IC201	C-18		
IC303	H-10		
IC304	F-5		
IC305	H-6		
IC306	D-5		
IC308	F-7		
IC309	G-5		
IC401	C-10		
IC402	E-10		
IC403	F-11		

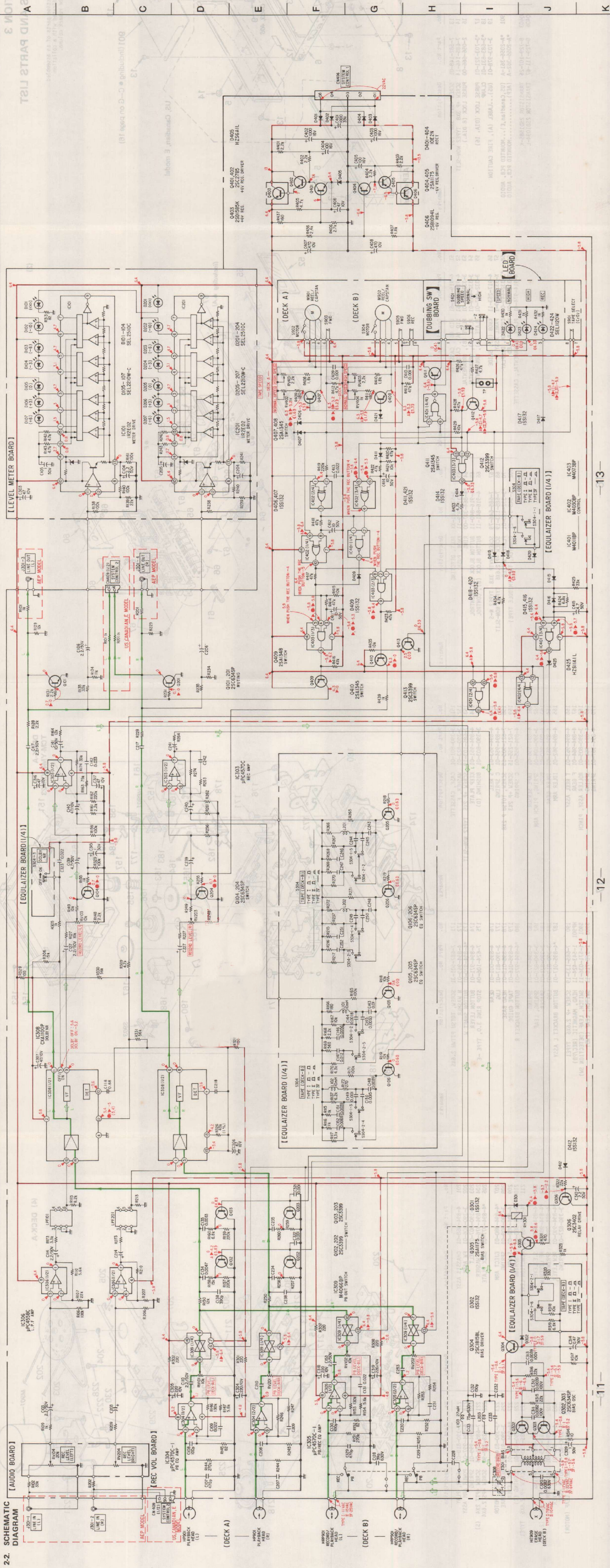
Note: Color code of sleeving over the end of the jacket.



○ : parts extracted from the component side.
● : parts extracted from the conductor side.



2-2. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted, pF: μpF .
- 50W or less not indicated except for electrolytic capacitors.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.

— — — : B+ bus.
- - - : B- bus.

Measurement conditions:

- 1) Power voltage is fed by connecting SYSTEM COMMON TROL 2 terminal this set and STR-\$255 or STR-\$355 (voltage of section)
- 2) The voltages are dc with respect to ground unless otherwise noted.

Readings are taken under no-signal conditions with VOM (50 k Ω /V).

A $\blacktriangleright$:	PLAY (DECK-A)
B $\blacktriangleright$:	PLAY (DECK-B)
●/▶ :	REC (DECK-B)
< / > :	NORMAL SPEED RUBBING
<< / >> :	HIGH SPEED RUBBING

Voltage variations may be noted due to normal production tolerances.

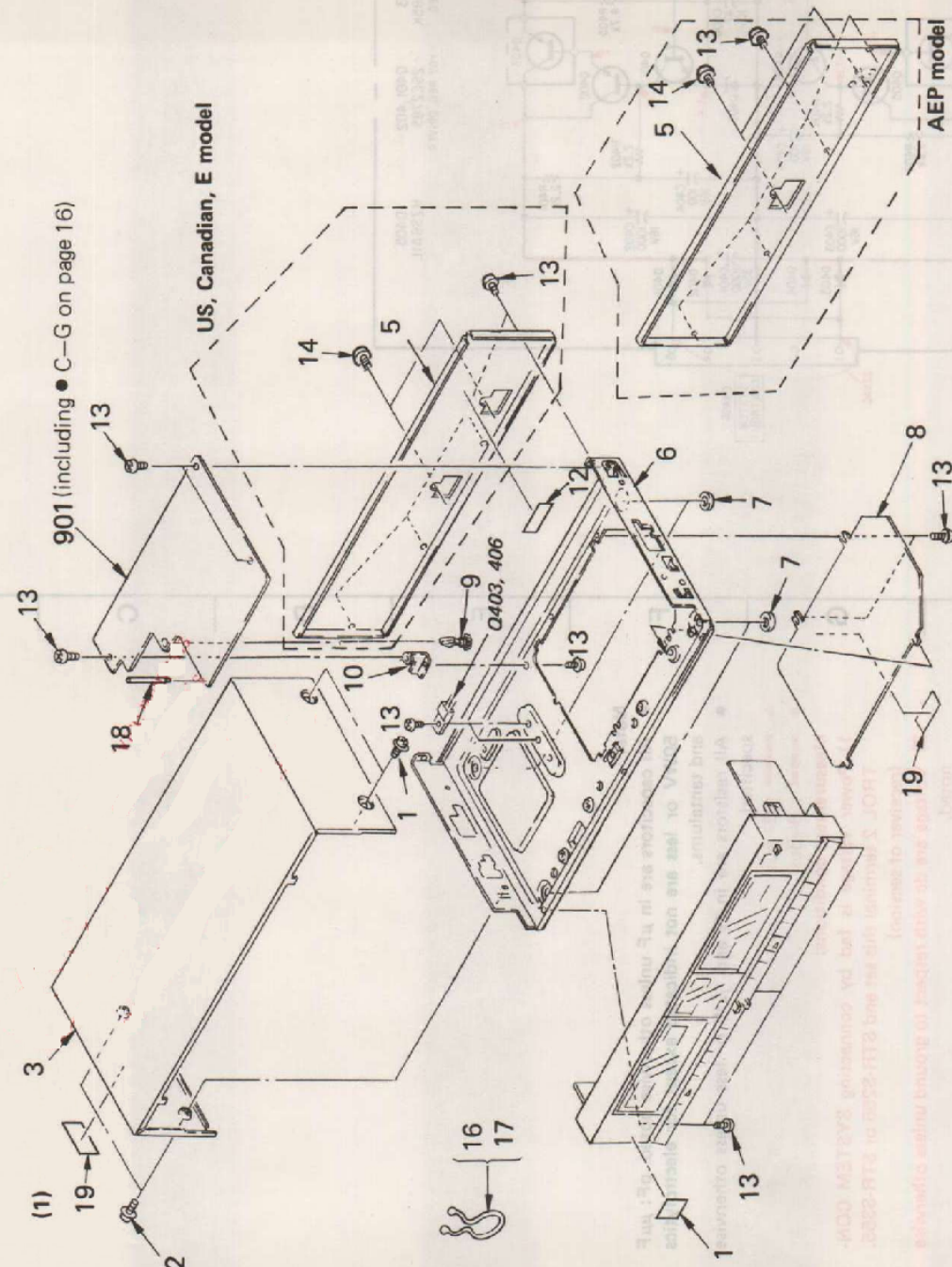
☐ : adjustment for repair.

 : PB signal path
 : REC signal path

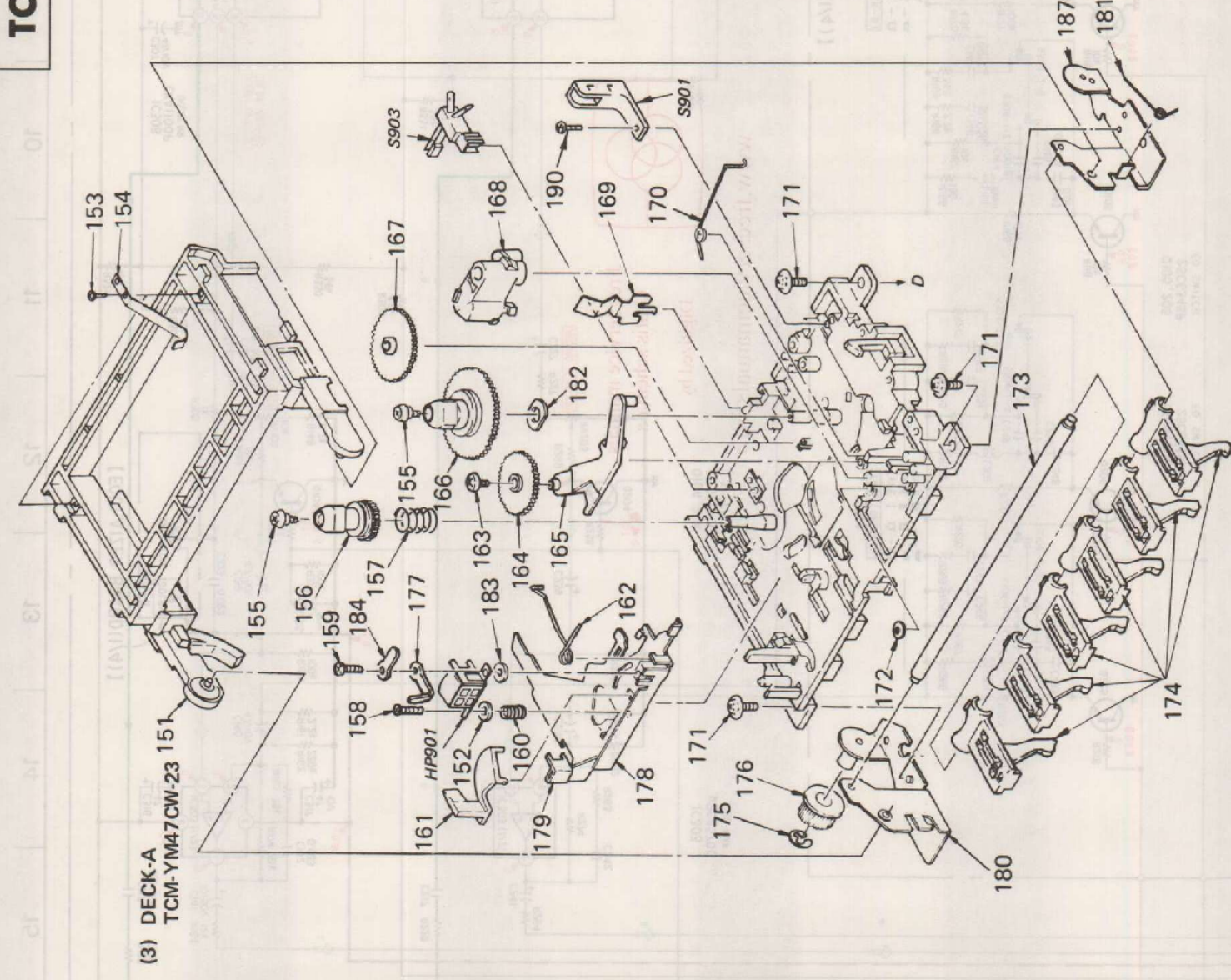
4-

SECTION 3 EXPLODED VIEWS AND PARTS LIST

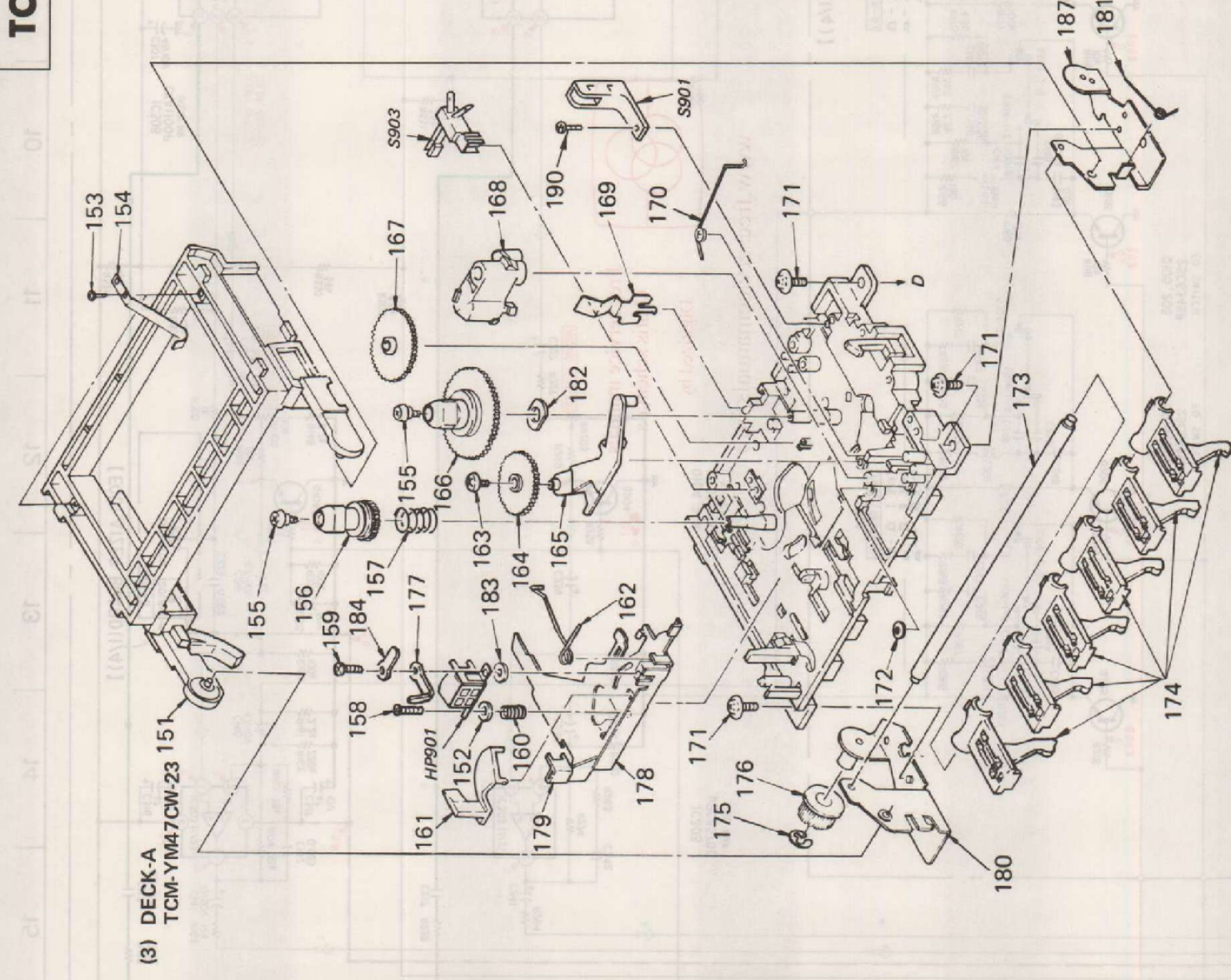
- NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
 - Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remarks
1	3-703-710-41	STICKER, SONY SYMBOL (12)	
2	7-682-146-01	SCREW, M3 CASE	
3	3-332-437-01	CASE	
5	*3-332-478-01	(US, Canadian, E).....PLATE, JACK	
6	*3-332-478-11	(US).....PLATE, JACK	
7	*3-332-438-01	CHASSIS	
8	*3-332-438-01	FELT (H)	
9	*3-332-438-01	PLATE, BOTTOM	
10	*3-332-475-00	HOLDER, PC BOARD	
12	3-701-030-00	BRACKET (1), PC BOARD LABEL, SERIAL NUMBER	
13	7-682-146-01	SCREW +BVT 3X8 (S)	
14	7-682-146-14	SCREW +P 3X8 TYPE2 NON-SLIT	
16	2-056-666-00	PURSE LOCK (8 DIA.)	
17	*3-703-321-01	PURSE LOCK (DIA. 16)	
18	*3-683-531-01	CLAMP	
19	*3-703-978-01	(US).....LABEL (A), FIRE CAUTION	
901	*A-2056-361-A	(US, Canadian, E).....MOUNTED PCB, AUDIO	
901	*A-2056-362-A	(AEP).....MOUNTED PCB, AUDIO	
Q403	8-729-107-26	TRANSISTOR 2SD1585-K	
Q406	8-729-111-67	TRANSISTOR 2SD1094-L	

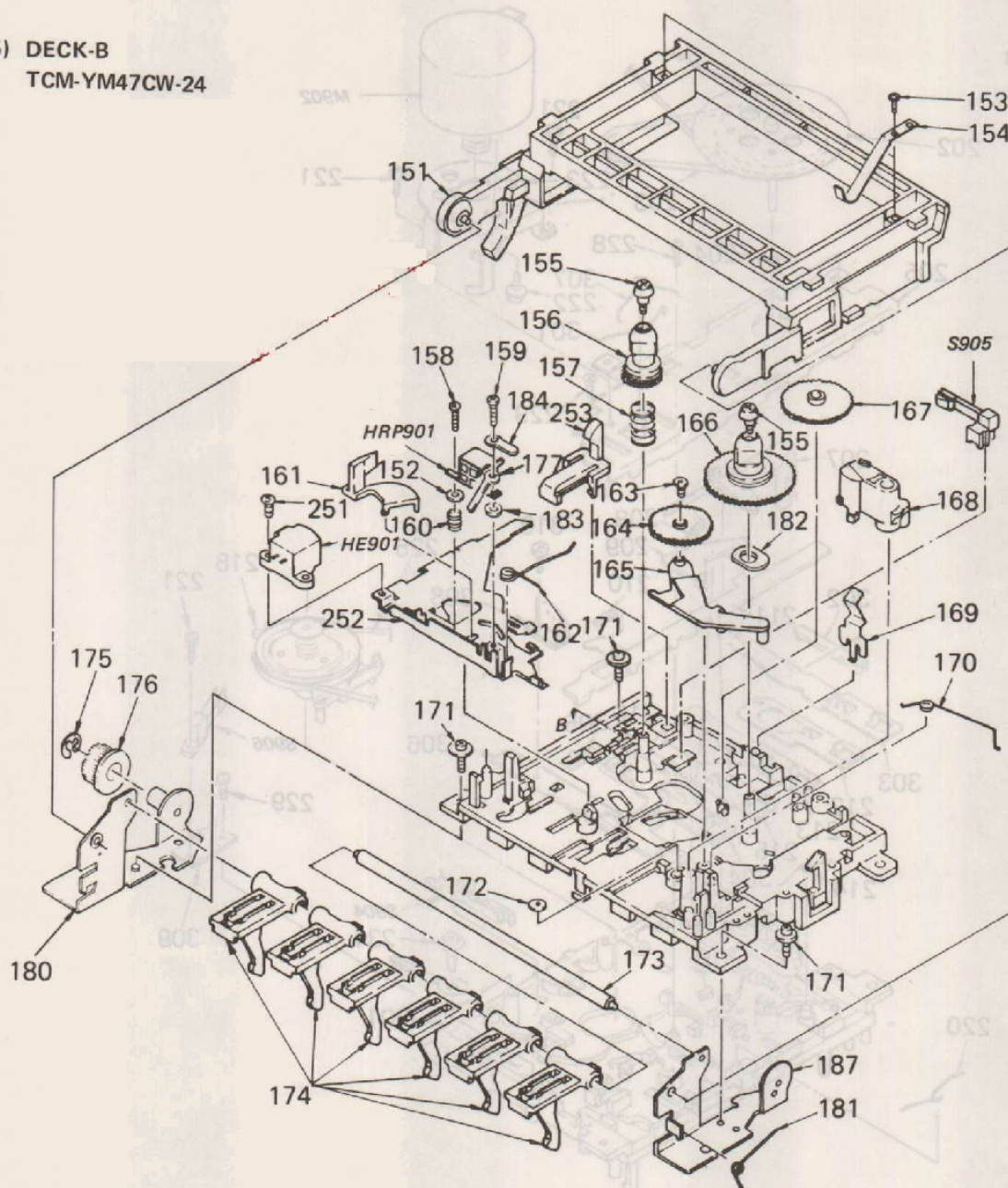


No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
152	3-390-823-01	WASHER, F 2X5	
153	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-821-905-55	SCREW, TOTSU P 2X8	
159	7-821-905-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	3-390-806-01	SPRING	
170	4-894-967-01	SPRING	
171	7-685-646-79	SCREW +BVT 3X8 TYPE2 N-S	
172	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT	
173	*3-332-490-01	PLATE, SHIELD	
174	1-548-598-21	COUNTER, TAPE (MIDDLE TYPE)	
175	7-685-646-79	SCREW +BVT 3X8 TYPE2 N-S	
176	4-894-953-01	S REEL	
177	4-894-954-01	C SPRING	
178	7-821-905-55	SCREW, TOTSU P 2X8	
179	7-821-905-15	SCREW +P 2X3	
180	4-894-955-01	C SPRING	
181	4-894-956-01	TAPE SENSOR	
182	3-390-804-01	SPRING, PINCH ARM	
183	4-894-960-01	BUSH	
184	4-894-961-01	IDLER GEAR	
185	4-894-962-01	IDLER ARM	
186	4-894-963-01	T REEL ASSY	
187	4-894-964-01	F GEAR	
188	3-390-805-01	ROLLER ASSY, PINCH	
189	3-390-806-01	SPRING	
190	4-894-967-01	SPRING	
191	7-685-133-19	SCREW +P 2.6X6 TYPE1	
192	1-543-424-11	HEAD, MAGNETIC (REC/PE)	
193	1-571-036-11	SWITCH, LEAF (DETECTION SM)	
194	1-570-718-11	SWITCH, LEAF (FND)	



No.	Part No.	Description	Remarks
201	4-894-969-01	CHASSIS ASSY	
202	3-390-807-01	FN ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	3-390-822-01	SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.F. LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REN LEVER	
216	3-390-827-01	SPRING	
217	3-390-810-01	LEVER, PLAY	
218	4-894-991-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	
221	7-685-781-04	SCREW +PTT 2X4 (S)	
222	7-628-253-90	SCREW +PS 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	
225	3-390-816-01	BELT, SQUARE	
227	4-894-982-01	REC LEVER	
228	3-390-822-01	BUSHING (C)	
229	7-685-133-19	SCREW +P 2.6X6 TYPE1	
230	4-894-979-01	SPRING	
231	7-687-233-11	SCREW (+PTPH) (2.6X6)	
302	*4-894-985-01	PAUSE ARM	
303	*4-894-986-01	PAUSE LEVER	
M901	X-3390-801-1	MOTOR ASSY	
S902	1-570-715-11	SWITCH, LEAF (MOTOR)	

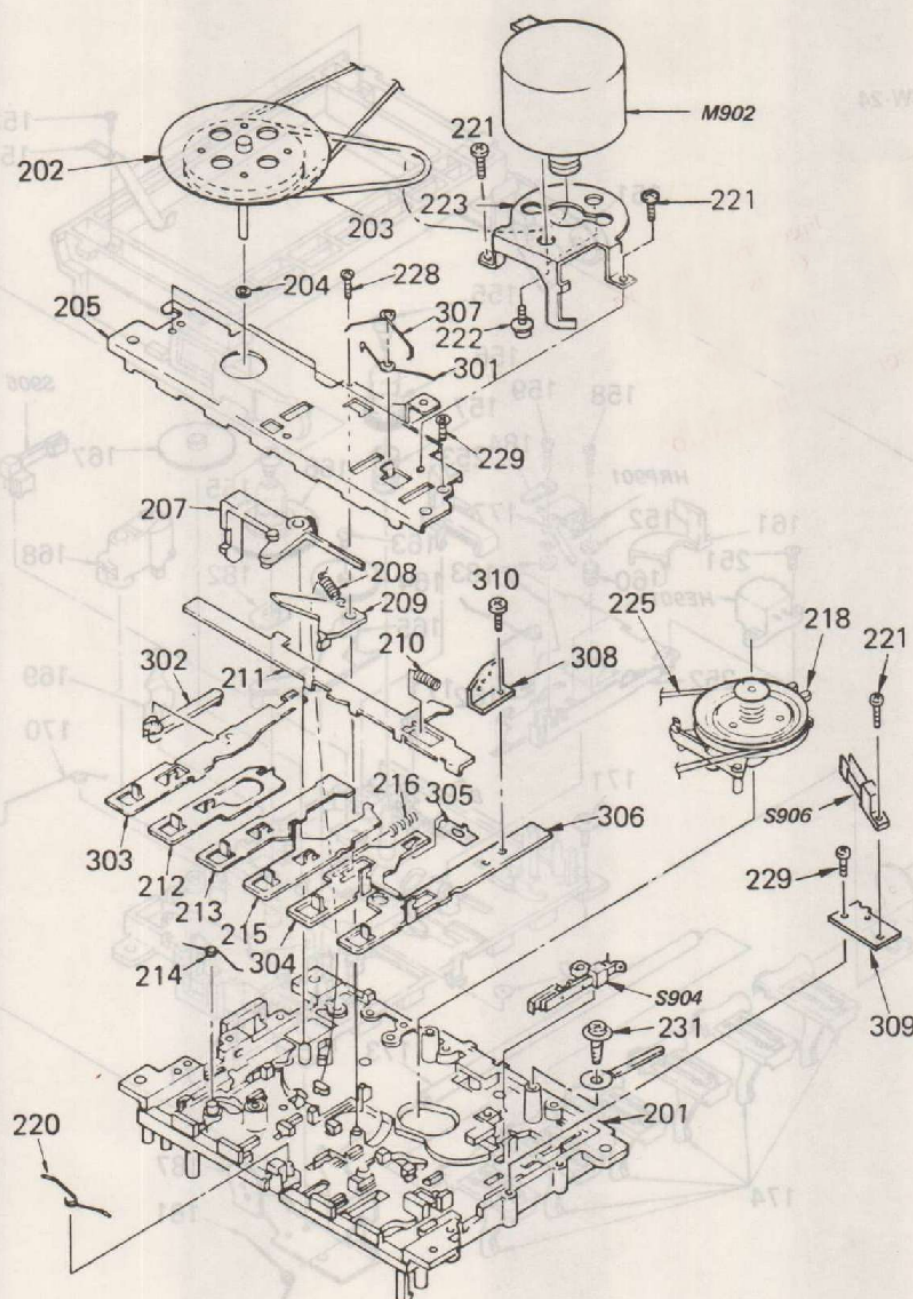
(5) DECK-B
TCM-YM47CW-24



No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
152	3-390-823-01	WASHER, F	
153	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	

No.	Part No.	Description	Remarks
171	7-687-501-31	SCREW, TOTSU PTTWH 2.6X6	
172	4-894-969-01	N WASHER	
173	*4-894-970-01	BUTTON SHAFT W	
174	4-894-971-01	BUTTON LEVER	
175	7-624-106-04	STOP RING 3.0, TYPE -E	
176	4-895-001-01	GEAR	
177	3-390-817-01	LUG	
180	*4-894-972-01	BUTTON BRACKET R	
181	4-894-973-01	SPRING	
182	3-390-820-01	SPRING, LEAF	
183	3-390-821-01	SPACER	
184	3-390-819-01	LUG	
187	*4-895-017-01	BUTTON BRACKET L ASSY	
251	7-685-852-01	SCREW +BVTT 2X5 (S)	
252	4-894-957-01	HEAD BASE B	
253	4-894-958-01	INTERLOCK ARM	
HE909	1-543-261-11	HEAD, ERASE (886-01-24)	
HRP901	1-543-424-11	HEAD, MAGNETIC (REC/PB)	
S905	1-570-716-11	SWITCH, LEAF (FWD)	

(6) DECK-B



No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	
218	4-894-997-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	
221	7-685-781-04	SCREW +PTT 2X4 (S)	
222	7-628-253-90	SCREW +PS 2.6X4	

No.	Part No.	Description	Remarks
223	*3-390-814-01	BRACKET, MOTOR	
225	3-390-816-01	BELT, SQUARE	
228	3-390-822-01	BUSHING (C)	
229	7-685-133-19	SCREW +P 2.6X6 TYPE1	
230	4-894-978-01	SPRING	
231	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
301	4-894-979-01	SPRING	
302	*4-894-985-01	PAUSE ARM	
303	4-894-986-01	PAUSE LEVER	
304	3-390-810-01	LEVER, PLAY	
305	3-390-811-01	LEVER, REC STOP	
306	*4-894-994-01	REC LEVER	
308	*3-390-828-01	LEVER, RSW	
309	*3-390-829-01	BRACKET, SW	
310	7-685-791-04	SCREW +PTT 2.6X5 (S)	
M902	X-3390-801-1	MOTOR ASSY	
S904	1-570-715-11	SWITCH, LEAF (MOTOR)	
S906	1-571-037-11	SWITCH, LEAF (REC SW)	

SECTION 4

ELECTRICAL PARTS LIST

NOTE:

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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...

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-2056-361-A	(US, Canadian, E)...MOUNTED PCB, AUDIO
	*A-2056-362-A	(AEP).....MOUNTED PCB, AUDIO
902	1-548-596-21	COUNTER, TAPE (MIDDLE TYPE)
C103	1-124-925-11	ELECT 2.2MF 20% 50V
C104	1-124-925-11	ELECT 2.2MF 20% 50V
C105	1-124-791-11	ELECT 1MF 20% 50V
C106	1-124-925-11	ELECT 2.2MF 20% 50V
C107	1-162-290-31	CERAMIC 470PF 10% 50V
C108	1-162-282-31	CERAMIC 100PF 10% 50V
C109	1-136-157-00	FILM 0.022MF 5% 50V
C110	1-124-767-00	ELECT 2.2MF 20% 50V
C114	1-124-925-11	ELECT 2.2MF 20% 50V
C117	1-124-767-00	ELECT 2.2MF 20% 50V
C118	1-136-175-00	FILM 0.68MF 5% 50V
C127	1-124-925-11	ELECT 2.2MF 20% 50V
C128	1-136-440-11	FILM 39PF 5% 630V
C129	1-162-290-31	CERAMIC 470PF 10% 50V
C130	1-162-282-31	CERAMIC 100PF 10% 50V
C131	1-136-157-00	FILM 0.022MF 5% 50V
C132	1-162-284-31	CERAMIC 150PF 10% 50V
C133	1-136-273-91	FILM 75PF 5% 630V
C134	1-161-377-00	CERAMIC 0.0047MF 30% 16V
C135	1-161-327-00	CERAMIC 0.0033MF 30% 16V
C138	1-162-289-31	CERAMIC 390PF 10% 50V
C139	1-124-927-11	ELECT 4.7MF 20% 50V
C140	1-124-446-11	ELECT 47MF 20% 10V
C141	1-123-875-91	ELECT 10MF 20% 50V
C142	1-136-159-00	FILM 0.033MF 5% 50V
C143	1-136-153-00	FILM 0.01MF 5% 50V
C144	1-130-474-00	MYLAR 0.0018MF 5% 50V
C145	1-110-201-00	MYLAR 0.0033MF 5% 50V
C146	1-130-480-00	MYLAR 0.0056MF 5% 50V
C147	1-136-154-00	FILM 0.012MF 5% 50V
C148	1-130-478-00	MYLAR 0.0039MF 5% 50V
C149	1-130-471-00	MYLAR 0.001MF 5% 50V
C150	1-130-473-00	MYLAR 0.0015MF 5% 50V
C151	1-130-478-00	MYLAR 0.0039MF 5% 50V
C152	1-130-481-00	MYLAR 0.0068MF 5% 50V
C153	1-124-767-00	ELECT 2.2MF 20% 50V
C203	1-124-925-11	ELECT 2.2MF 20% 50V
C204	1-124-925-11	ELECT 2.2MF 20% 50V
C205	1-124-791-11	ELECT 1MF 20% 50V
C206	1-124-925-11	ELECT 2.2MF 20% 50V
C207	1-162-290-31	CERAMIC 470PF 10% 50V
C208	1-162-282-31	CERAMIC 100PF 10% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C209	1-136-157-00	FILM 0.022MF 5% 50V
C210	1-124-767-00	ELECT 2.2MF 20% 50V
C214	1-124-925-11	ELECT 2.2MF 20% 50V
C217	1-124-767-00	ELECT 2.2MF 20% 50V
C218	1-136-175-00	FILM 0.68MF 5% 50V
C227	1-124-925-11	ELECT 2.2MF 20% 50V
C228	1-136-440-11	FILM 39PF 5% 630V
C229	1-162-290-31	CERAMIC 470PF 10% 50V
C230	1-162-282-31	CERAMIC 100PF 10% 50V
C231	1-136-157-00	FILM 0.022MF 5% 50V
C232	1-162-284-31	CERAMIC 150PF 10% 50V
C233	1-136-273-91	FILM 75PF 5% 630V
C234	1-161-377-00	CERAMIC 0.0047MF 30% 16V
C235	1-161-327-00	CERAMIC 0.0033MF 30% 16V
C238	1-162-289-31	CERAMIC 390PF 10% 50V
C239	1-124-927-11	ELECT 4.7MF 20% 50V
C240	1-124-446-11	ELECT 47MF 20% 10V
C241	1-123-875-91	ELECT 10MF 20% 50V
C242	1-136-159-00	FILM 0.033MF 5% 50V
C243	1-136-153-00	FILM 0.01MF 5% 50V
C244	1-130-474-00	MYLAR 0.0018MF 5% 50V
C245	1-110-201-00	MYLAR 0.0033MF 5% 50V
C246	1-130-480-00	MYLAR 0.0056MF 5% 50V
C247	1-136-154-00	FILM 0.012MF 5% 50V
C248	1-130-478-00	MYLAR 0.0039MF 5% 50V
C249	1-130-471-00	MYLAR 0.001MF 5% 50V
C250	1-130-473-00	MYLAR 0.0015MF 5% 50V
C251	1-130-478-00	MYLAR 0.0039MF 5% 50V
C252	1-130-481-00	MYLAR 0.0068MF 5% 50V
C253	1-124-767-00	ELECT 2.2MF 20% 50V
C303	1-124-446-11	ELECT 47MF 20% 10V
C304	1-124-444-00	ELECT 220MF 20% 10V
C305	1-124-444-00	ELECT 220MF 20% 10V
C306	1-124-446-11	ELECT 47MF 20% 10V
C307	1-124-446-11	ELECT 47MF 20% 10V
C308	1-141-225-00	CAP, TUNING, TRIMAR
C309	1-124-791-11	ELECT 1MF 20% 50V
C310	1-124-925-11	ELECT 2.2MF 20% 50V
C311	1-130-295-00	FILM 0.0082MF 5% 100V
C312	1-130-287-00	FILM 0.0039MF 5% 100V
C313	1-130-287-00	FILM 0.0039MF 5% 100V
C314	1-124-902-00	ELECT 0.47MF 20% 50V
C315	1-124-791-11	ELECT 1MF 20% 50V
C316	1-124-446-11	ELECT 47MF 20% 10V
C317	1-124-446-11	ELECT 47MF 20% 10V

SECTION 4 ELECTRICAL PARTS LIST

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C318	1-124-444-00	ELECT 220MF 20% 10V
C319	1-124-444-00	ELECT 220MF 20% 10V
C320	1-129-713-00	FILM 0.0082MF 10% 630V
C321	1-162-294-31	CERAMIC 0.001MF 10% 50V
C322	1-162-294-31	CERAMIC 0.001MF 10% 50V
C323	1-161-494-00	CERAMIC 0.022MF 25V
C401	1-126-105-11	ELECT 1000MF 20% 35V
C402	1-124-555-00	ELECT 1000MF 20% 16V
C403	1-124-555-00	ELECT 1000MF 20% 16V
C404	1-124-445-00	ELECT 100MF 20% 16V
C405	1-124-445-00	ELECT 100MF 20% 16V
C406	1-124-446-11	ELECT 47MF 20% 10V
C407	1-124-472-11	ELECT 470MF 20% 10V
C408	1-124-472-11	ELECT 470MF 20% 10V
C409	1-162-294-31	CERAMIC 0.001MF 10% 50V
C410	1-162-294-31	CERAMIC 0.001MF 10% 50V
C411	1-123-875-91	ELECT 10MF 20% 50V
C412	1-123-875-91	ELECT 10MF 20% 50V
C413	1-161-494-00	CERAMIC 0.022MF 25V
C414	1-123-875-91	ELECT 10MF 20% 50V
C415	1-124-927-11	ELECT 4.7MF 20% 50V
CN308	*1-564-507-11	PLUG, CONNECTOR 4P
CN309	*1-564-509-11	PLUG, CONNECTOR 6P
CN310	*1-564-505-11	PLUG, CONNECTOR 2P
CN401	*1-564-511-11	PLUG, CONNECTOR 8P
CN402	*1-564-511-21	PLUG, CONNECTOR 8P
CN406	1-562-067-00	SOCKET, CONNECTOR 5P
CN408	*1-564-505-21	PLUG, CONNECTOR 2P
CN409	1-562-067-00	(US,Canadian,E)...SOCKET, CONNECTOR 5P
D101	8-719-303-00	DIODE SEL2510C
D102	8-719-303-00	DIODE SEL2510C
D103	8-719-303-00	DIODE SEL2510C
D104	8-719-303-00	DIODE SEL2510C
D105	8-719-302-74	DIODE SEL2210W-C
D106	8-719-302-74	DIODE SEL2210W-C
D107	8-719-302-74	DIODE SEL2210W-C
D201	8-719-303-00	DIODE SEL2510C
D202	8-719-303-00	DIODE SEL2510C
D203	8-719-303-00	DIODE SEL2510C
D204	8-719-303-00	DIODE SEL2510C
D205	8-719-302-74	DIODE SEL2210W-C
D206	8-719-302-74	DIODE SEL2210W-C
D207	8-719-302-74	DIODE SEL2210W-C
D301	8-719-940-76	DIODE 1SS132
D302	8-719-940-76	DIODE 1SS132
D401	8-719-200-77	DIODE 10E2N
D402	8-719-200-77	DIODE 10E2N
D403	8-719-200-77	DIODE 10E2N
D404	8-719-200-77	DIODE 10E2N
D405	8-719-933-33	DIODE HZS6A1L
D406	8-719-940-76	DIODE 1SS132
D407	8-719-940-76	DIODE 1SS132
D409	8-719-940-76	DIODE 1SS132
D411	8-719-940-76	DIODE 1SS132
D412	8-719-940-76	DIODE 1SS132
D414	8-719-940-76	DIODE 1SS132

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D415	8-719-940-76	DIODE 1SS132
D416	8-719-940-76	DIODE 1SS132
D417	8-719-940-76	DIODE 1SS132
D418	8-719-940-76	DIODE 1SS132
D419	8-719-940-76	DIODE 1SS132
D420	8-719-940-76	DIODE 1SS132
D421	8-719-940-76	DIODE 1SS132
D422	8-719-303-24	DIODE SEL1120W
D423	8-719-303-24	DIODE SEL1120W
D424	8-719-303-24	DIODE SEL1120W
D425	8-719-933-63	DIODE HZS11A1L
HE909	1-543-261-11	HEAD, ERASE (886-01-24)
HP901	1-543-424-11	HEAD, MAGNETIC (REC/PB)
HRP901	1-543-424-11	HEAD, MAGNETIC (REC/PB)
IC101	8-759-912-79	IC IR2E02
IC201	8-759-912-79	IC IR2E02
IC303	8-759-106-41	IC UPC4570C
IC304	8-759-111-44	IC UPC4570C-1
IC305	8-759-111-44	IC UPC4570C-1
IC306	8-759-145-58	IC UPC4558C
IC308	8-752-031-67	IC CXA1100P
IC309	8-759-601-43	IC M4066BP
IC401	8-759-601-10	IC M4011BP
IC402	8-759-601-29	IC M4030BP
IC403	8-759-601-48	IC M4073BP
J301	1-507-908-11	(AEP)...JACK, PIN 4P (LINE IN/OFF)
L101	1-410-775-11	MICRO INDUCTOR 10MMH
L102	1-410-775-11	MICRO INDUCTOR 10MMH
L103	1-410-780-11	MICRO INDUCTOR 27MMH
L201	1-410-775-11	MICRO INDUCTOR 10MMH
L202	1-410-775-11	MICRO INDUCTOR 10MMH
L203	1-410-780-11	MICRO INDUCTOR 27MMH
LPF101	1-235-980-11	FILTER, LOW PASS
LPF201	1-235-980-11	FILTER, LOW PASS
M901	X-3390-801-1	MOTOR ASSY
M902	X-3390-801-1	MOTOR ASSY
Q101	8-729-600-27	TRANSISTOR 2SC634SP
Q102	8-729-806-38	TRANSISTOR 2SC3399
Q103	8-729-806-38	TRANSISTOR 2SC3399
Q104	8-729-600-27	TRANSISTOR 2SC634SP
Q105	8-729-600-27	TRANSISTOR 2SC634SP
Q106	8-729-600-27	TRANSISTOR 2SC634SP
Q201	8-729-600-27	TRANSISTOR 2SC634SP
Q202	8-729-806-38	TRANSISTOR 2SC3399
Q203	8-729-806-38	TRANSISTOR 2SC3399
Q204	8-729-600-27	TRANSISTOR 2SC634SP
Q205	8-729-600-27	TRANSISTOR 2SC634SP
Q206	8-729-600-27	TRANSISTOR 2SC634SP
Q302	8-729-600-27	TRANSISTOR 2SC634SP
Q303	8-729-600-27	TRANSISTOR 2SC634SP
Q304	8-729-281-54	TRANSISTOR 2SC1815BL
Q305	8-729-117-54	TRANSISTOR 2SA1175
Q306	8-729-806-28	TRANSISTOR 2SC3402
Q401	8-729-600-27	TRANSISTOR 2SC634SP

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q402	8-729-600-27	TRANSISTOR 2SC634SP
Q403	8-729-107-26	TRANSISTOR 2SD1585-K
Q404	8-729-117-54	TRANSISTOR 2SA1175
Q405	8-729-117-54	TRANSISTOR 2SA1175
Q406	8-729-111-67	TRANSISTOR 2SB1094-L
Q407	8-729-806-20	TRANSISTOR 2SA1345
Q408	8-729-806-20	TRANSISTOR 2SA1345
Q409	8-729-159-01	TRANSISTOR 2SA1348
Q410	8-729-806-20	TRANSISTOR 2SA1345
Q411	8-729-806-20	TRANSISTOR 2SA1345
Q412	8-729-806-38	TRANSISTOR 2SC3399
Q413	8-729-806-38	TRANSISTOR 2SC3399
R101	1-249-417-11	CARBON 1K 5% 1/6W
R102	1-249-435-11	CARBON 33K 5% 1/6W
R106	1-249-441-11	CARBON 100K 5% 1/6W
R107	1-249-433-11	CARBON 22K 5% 1/6W
R109	1-249-417-11	CARBON 1K 5% 1/6W
R110	1-247-849-00	CARBON 5.6K 5% 1/6W
R113	1-249-428-11	CARBON 8.2K 5% 1/6W
R115	1-249-417-11	CARBON 1K 5% 1/6W
R116	1-249-417-11	CARBON 1K 5% 1/6W
R117	1-249-423-11	CARBON 3.3K 5% 1/6W
R118	1-249-429-11	CARBON 10K 5% 1/6W
R119	1-249-429-11	CARBON 10K 5% 1/6W
R127	1-249-429-11	CARBON 10K 5% 1/6W
R128	1-249-421-11	CARBON 2.2K 5% 1/6W
R129	1-249-430-11	CARBON 12K 5% 1/6W
R131	1-249-421-11	CARBON 2.2K 5% 1/6W
R134	1-215-446-00	CARBON 11K 5% 1/6W
R135	1-249-435-11	CARBON 33K 5% 1/6W
R137	1-215-440-00	CARBON 6.2K 5% 1/6W
R138	1-249-441-11	CARBON 100K 5% 1/6W
R139	1-249-433-11	CARBON 22K 5% 1/6W
R140	1-249-441-11	CARBON 100K 5% 1/6W
R141	1-249-441-11	CARBON 100K 5% 1/6W
R142	1-249-425-11	CARBON 4.7K 5% 1/6W
R143	1-249-425-11	CARBON 4.7K 5% 1/6W
R144	1-215-479-00	CARBON 270K 5% 1/6W
R145	1-249-404-00	CARBON 82 5% 1/6W
R146	1-215-472-00	CARBON 130K 5% 1/6W
R147	1-247-849-00	CARBON 5.6K 5% 1/6W
R148	1-249-421-11	CARBON 2.2K 5% 1/6W
R149	1-249-429-11	CARBON 10K 5% 1/6W
R150	1-249-430-11	CARBON 12K 5% 1/6W
R151	1-215-479-00	CARBON 270K 5% 1/6W
R152	1-249-404-00	CARBON 82 5% 1/6W
R153	1-215-472-00	CARBON 130K 5% 1/6W
R154	1-247-849-00	CARBON 5.6K 5% 1/6W
R155	1-249-417-11	CARBON 1K 5% 1/6W
R156	1-249-441-11	CARBON 100K 5% 1/6W
R157	1-247-887-00	CARBON 220K 5% 1/6W
R158	1-249-431-11	CARBON 15K 5% 1/6W
R159	1-247-887-00	CARBON 220K 5% 1/6W
R160	1-249-427-11	CARBON 6.8K 5% 1/6W
R161	1-249-421-11	CARBON 2.2K 5% 1/6W
R162	1-247-887-00	CARBON 220K 5% 1/6W
R163	1-215-466-00	CARBON 75K 5% 1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R164	1-249-430-11	CARBON 12K 5% 1/6W
R165	1-249-441-11	CARBON 100K 5% 1/6W
R166	1-249-408-11	CARBON 180 5% 1/6W
R167	1-249-429-11	CARBON 10K 5% 1/6W
R168	1-249-421-11	CARBON 2.2K 5% 1/6W
R169	1-249-414-11	CARBON 560 5% 1/6W
R170	1-215-436-00	CARBON 4.3K 5% 1/6W
R171	1-249-441-11	CARBON 100K 5% 1/6W
R172	1-249-410-11	CARBON 270 5% 1/6W
R173	1-249-423-11	CARBON 3.3K 5% 1/6W
R174	1-249-435-11	CARBON 33K 5% 1/6W
R201	1-249-417-11	CARBON 1K 5% 1/6W
R202	1-249-435-11	CARBON 33K 5% 1/6W
R206	1-249-441-11	CARBON 100K 5% 1/6W
R207	1-249-433-11	CARBON 22K 5% 1/6W
R209	1-249-417-11	CARBON 1K 5% 1/6W
R210	1-247-849-00	CARBON 5.6K 5% 1/6W
R213	1-249-428-11	CARBON 8.2K 5% 1/6W
R215	1-249-417-11	CARBON 1K 5% 1/6W
R216	1-249-417-11	CARBON 1K 5% 1/6W
R217	1-249-423-11	CARBON 3.3K 5% 1/6W
R218	1-249-429-11	CARBON 10K 5% 1/6W
R219	1-249-429-11	CARBON 10K 5% 1/6W
R227	1-249-429-11	CARBON 10K 5% 1/6W
R228	1-249-421-11	CARBON 2.2K 5% 1/6W
R229	1-249-430-11	CARBON 12K 5% 1/6W
R231	1-249-421-11	CARBON 2.2K 5% 1/6W
R234	1-215-446-00	CARBON 11K 5% 1/6W
R235	1-249-435-11	CARBON 33K 5% 1/6W
R237	1-215-440-00	CARBON 6.2K 5% 1/6W
R238	1-249-441-11	CARBON 100K 5% 1/6W
R239	1-249-433-11	CARBON 22K 5% 1/6W
R240	1-249-441-11	CARBON 100K 5% 1/6W
R241	1-249-441-11	CARBON 100K 5% 1/6W
R242	1-249-425-11	CARBON 4.7K 5% 1/6W
R243	1-249-425-11	CARBON 4.7K 5% 1/6W
R244	1-215-479-00	CARBON 270K 5% 1/6W
R245	1-249-404-00	CARBON 82 5% 1/6W
R246	1-215-472-00	CARBON 130K 5% 1/6W
R247	1-247-849-00	CARBON 5.6K 5% 1/6W
R248	1-249-421-11	CARBON 2.2K 5% 1/6W
R249	1-249-429-11	CARBON 10K 5% 1/6W
R250	1-249-430-11	CARBON 12K 5% 1/6W
R251	1-215-479-00	CARBON 270K 5% 1/6W
R252	1-249-404-00	CARBON 82 5% 1/6W
R253	1-215-472-00	CARBON 130K 5% 1/6W
R254	1-247-849-00	CARBON 5.6K 5% 1/6W
R255	1-249-417-11	CARBON 1K 5% 1/6W
R256	1-249-441-11	CARBON 100K 5% 1/6W
R257	1-247-887-00	CARBON 220K 5% 1/6W
R258	1-249-431-11	CARBON 15K 5% 1/6W
R259	1-247-887-00	CARBON 220K 5% 1/6W
R260	1-249-427-11	CARBON 6.8K 5% 1/6W
R261	1-249-421-11	CARBON 2.2K 5% 1/6W
R262	1-247-887-00	CARBON 220K 5% 1/6W
R263	1-215-466-00	CARBON 75K 5% 1/6W
R264	1-249-430-11	CARBON 12K 5% 1/6W

SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

CORRECTION-1

File this correction with the service manual.

✶ : Corrected portion.

Page	Incorrect			Correct	
	No	Part No	Description	Part No	Description
23	Q409	8-729-159-01	TRANSISTOR 2SA1348	9-986-159-01	TRANSISTOR 2SA1348

ELECTRICAL PARTS					
Ref.No.	Part No.	Description			
R265	1-249-441-11	CARBON	100K	5%	1/6W
R266	1-249-408-11	CARBON	180	5%	1/6W
R267	1-249-429-11	CARBON	10K	5%	1/6W
R268	1-249-421-11	CARBON	2.2K	5%	1/6W
R269	1-249-414-11	CARBON	560	5%	1/6W
R270	1-215-436-00	CARBON	4.3K	5%	1/6W
R271	1-249-441-11	CARBON	100K	5%	1/6W
R272	1-249-410-11	CARBON	270	5%	1/6W
R273	1-249-423-11	CARBON	3.3K	5%	1/6W
R274	1-249-435-11	CARBON	33K	5%	1/6W
R301	1-247-704-11	CARBON	220	5%	1/4W
R302	1-247-704-11	CARBON	220	5%	1/4W
R305	1-249-417-11	CARBON	1K	5%	1/6W
R306	1-249-431-11	CARBON	15K	5%	1/6W
R307	1-247-704-11	CARBON	220	5%	1/4W
R308	1-247-704-11	CARBON	220	5%	1/4W
R309	1-249-425-11	CARBON	4.7K	5%	1/6W
R313	1-249-404-00	CARBON	82	5%	1/6W
R314	1-247-688-11	CARBON	10	5%	1/4W
R315	1-249-433-11	CARBON	22K	5%	1/6W
R316	1-249-433-11	CARBON	22K	5%	1/6W
R317	1-249-429-11	CARBON	10K	5%	1/6W
R318	1-249-429-11	CARBON	10K	5%	1/6W
R319	1-249-427-11	CARBON	6.8K	5%	1/6W
R320	1-247-706-11	CARBON	330	5%	1/4W
R321	1-249-413-11	CARBON	470	5%	1/6W
R322	1-249-433-11	CARBON	22K	5%	1/6W
R323	1-249-441-11	CARBON	100K	5%	1/6W
R325	1-249-417-11	CARBON	1K	5%	1/6W
R326	1-215-460-00	METAL	43K	1%	1/6W
R328	1-247-700-11	CARBON	100	5%	1/4W
R329	1-247-700-11	CARBON	100	5%	1/4W
R330	1-249-438-11	CARBON	56K	5%	1/6W
R331	1-249-438-11	CARBON	56K	5%	1/6W
R401	1-247-717-11	CARBON	2.2K	5%	1/4W
R402	1-247-717-11	CARBON	2.2K	5%	1/4W
R403	1-247-717-11	CARBON	2.2K	5%	1/4W
R404	1-247-717-11	CARBON	2.2K	5%	1/4W
R405	1-249-425-11	CARBON	4.7K	5%	1/6W
R406	1-249-422-11	CARBON	2.7K	5%	1/6W
R407	1-249-420-11	CARBON	1.8K	5%	1/6W
R408	1-249-420-11	CARBON	1.8K	5%	1/6W
R409	1-249-408-11	CARBON	180	5%	1/6W
R410	1-249-420-11	CARBON	1.8K	5%	1/6W
R411	1-249-408-11	CARBON	180	5%	1/6W
R412	1-249-425-11	CARBON	4.7K	5%	1/6W
R413	1-249-437-11	CARBON	47K	5%	1/6W
R414	1-249-437-11	CARBON	47K	5%	1/6W
R415	1-249-429-11	CARBON	10K	5%	1/6W
R416	1-249-437-11	CARBON	47K	5%	1/6W
R417	1-249-437-11	CARBON	47K	5%	1/6W

ELECTRICAL PARTS					
Ref.No.	Part No.	Description			
R418	1-249-437-11	CARBON	47K	5%	1/6W
R419	1-247-887-00	CARBON	220K	5%	1/6W
R420	1-249-437-11	CARBON	47K	5%	1/6W
R421	1-249-429-11	CARBON	10K	5%	1/6W
R422	1-249-437-11	CARBON	47K	5%	1/6W
R423	1-249-437-11	CARBON	47K	5%	1/6W
R424	1-249-427-11	CARBON	6.8K	5%	1/6W
R425	1-249-435-11	CARBON	33K	5%	1/6W
R426	1-249-437-11	CARBON	47K	5%	1/6W
R427	1-249-425-11	CARBON	4.7K	5%	1/6W
R428	1-249-437-11	CARBON	47K	5%	1/6W
R429	1-249-429-11	CARBON	10K	5%	1/6W
R430	1-249-417-11	CARBON	1K	5%	1/6W
R431	1-249-417-11	CARBON	1K	5%	1/6W
R432	1-249-417-11	CARBON	1K	5%	1/6W
R433	1-249-425-11	CARBON	4.7K	5%	1/6W
R434	1-249-425-11	CARBON	4.7K	5%	1/6W
R435	1-249-429-11	CARBON	10K	5%	1/6W
R436	1-215-430-00	CARBON	2.4K	5%	1/6W
R437	1-215-402-00	CARBON	160	5%	1/6W
R439	1-249-417-11	CARBON	1K	5%	1/6W
RV101	1-230-630-11	RES, ADJ, CARBON 10K			
RV102	1-230-630-11	RES, ADJ, CARBON 10K			
RV103	1-230-630-11	RES, ADJ, CARBON 10K			
RV104	1-228-670-00	RES, VAR, SLIDE 20K (REC LEVEL (L))			
RV201	1-230-630-11	RES, ADJ, CARBON 10K			
RV202	1-230-630-11	RES, ADJ, CARBON 10K			
RV203	1-230-630-11	RES, ADJ, CARBON 10K			
RV204	1-228-670-00	RES, VAR, SLIDE 20K (REC LEVEL (R))			
RV401	1-228-991-00	RES, ADJ, CARBON 2.2K			
RV402	1-228-990-00	RES, ADJ, CARBON 1K			
RV403	1-228-991-00	RES, ADJ, CARBON 2.2K			
RV404	1-228-990-00	RES, ADJ, CARBON 1K			
RY301	1-515-519-00	RELAY			
S304	1-570-977-11	SWITCH, PUSH (3 KEY)(TAPE/DOLBY NR)			
S401	1-570-978-11	SWITCH, PUSH (1 KEY)(DUBBING SPEED)			
S901	1-571-036-11	SWITCH, LEAF (DETECTION SW)			
S902	1-570-715-11	SWITCH, LEAF (MOTOR)			
S903	1-570-716-11	SWITCH, LEAF (FWD)			
S904	1-570-715-11	SWITCH, LEAF			
S905	1-570-716-11	SWITCH, LEAF			
S906	1-571-037-11	SWITCH, LEAF (REC SW)			
T301	1-433-303-11	TRANSFORMER, BIAS OSCILLATION			