

TC-WE305

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model
Australian Model
PX Model



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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Model Name Using Similar Mechanism		NEW
Tape Transport Mechanism Type	DECK A	TCM-YS47CZ-19
	DECK B	TCM-YS47CZ-18

SPECIFICATIONS

System

Recording system

4-track 2-channel stereo

Fast-winding time (approx.)

120 sec. (with Sony C-60 cassette)

Bias

AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)

Type I tape, Sony Type I (NORMAL):
55 dB

Type II tape, Sony Type II (HIGH):
57 dB

Type IV tape, Sony Type IV (METAL):
58 dB

S/N ratio improvement (approximate values)

With Dolby NR on: 5 dB at 1 kHz,
10 dB at 5 kHz

Harmonic distortion

0.4% (with Type I tape, Sony Type I
(NORMAL): 160 nWb/m 315 Hz, 3rd
H.D.)

1.8% (with Type IV tape, Sony Type
IV (METAL): 250 nWb/m 315 Hz, 3rd
H.D.)

Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL):
30 - 14,000 Hz (± 3 dB, IEC)

20 - 15,000 Hz (± 6 dB)

Type II tape, Sony Type II (HIGH):

30 - 15,000 Hz (± 3 dB, IEC)

20 - 16,000 Hz (± 6 dB)

Type IV tape, Sony Type IV (METAL):

30 - 15,000 Hz (± 3 dB, IEC)

20 - 16,000 Hz (± 6 dB)

30 - 13,000 Hz (± 3 dB, -4 dB
recording)

— Continued on page 2 —

STEREO CASSETTE DECK

Inputs

Line inputs (phono jacks)

Sensitivity : 0.16 V

Input impedance : 47 kilohms

Outputs

Line outputs (phono jacks)

Rated output level : 0.5 V at a load

impedance of 47 kilohms

Load impedance : Over 10 kilohms

General

Power requirements

Where purchased	Power requirements
US, Canadian model	120V AC, 60Hz
AEP, Singapore model	220 — 230V AC, 50/60Hz
Australian model	240V AC, 50/60Hz
E, PX model	120/220/240V AC, 50/60Hz

Power consumption

15 W (Continental Europe)

27 W (Other countries)

Dimensions (approx.)

430 × 120 × 305 mm (w/h/d)

(17 × 4 3/4 × 12 1/8 inches)

including projecting parts and controls

Mass (approx.)

3.3 kg (7 lbs 4 oz)

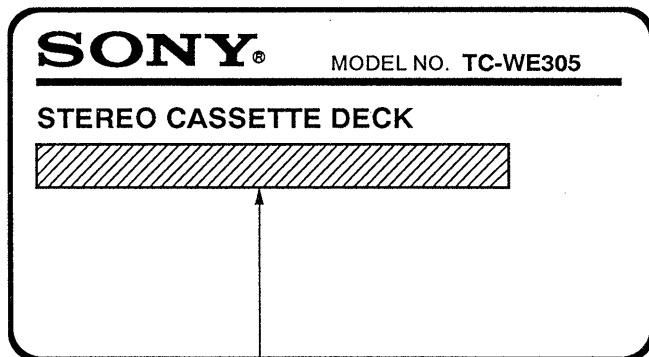
Supplied accessories

Audio connecting cords (2 phono

plugs - 2 phono plugs) (2)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION



US, Canadian model : AC 120V 60Hz
Australian model : AC 240V~50/60Hz
AEP, Singapore model : AC 220-230V~50/60Hz
E, PX model : AC120/220/240V~50/60Hz

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6. ELECTRICAL PARTS LIST

SAFETY CHECK-OUT

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)

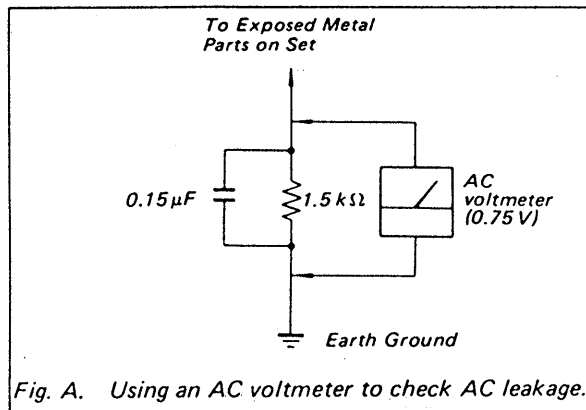


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

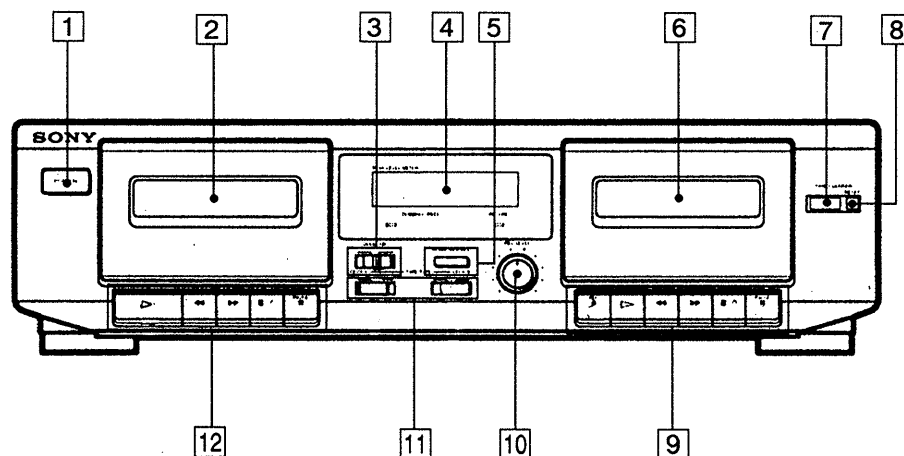
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES 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.

SECTION 1 GENERAL

IDENTIFYING THE PARTS



- | | |
|---|---|
| <p>1 POWER switch</p> <p>2 Deck-A</p> <p>3 DOLBY NR ON/OFF switch</p> <p>4 Display</p> <p>5 DUBBING SPEED HIGH/NORM switch</p> <p>6 Deck-B</p> <p>7 TAPE COUNTER</p> <p>8 RESET (COUNTER) button</p> <p>9 Tape operation buttons (Deck-B)</p> <ul style="list-style-type: none"> ● REC (record) button ▷ (play) button ◀◀ (leftward fastwinding) button ▶▶ (rightward fastwinding) button ■ / ▲ (stop/eject) button PAUSE button | <p>10 REC (recording) LEVEL control</p> <p>11 TAPE TYPE selector</p> <ul style="list-style-type: none"> I (Normal) II / IV (CrO₂ / Metal) } Deck-A I (Normal) II (CrO₂) } Deck-B IV (Metal) <p>12 Tape operation buttons (Deck-A)</p> <ul style="list-style-type: none"> ▷ (play) button ◀◀ (leftward fastwinding) button ▶▶ (rightward fastwinding) button ■ / ▲ (stop/eject) button PAUSE button |
|---|---|

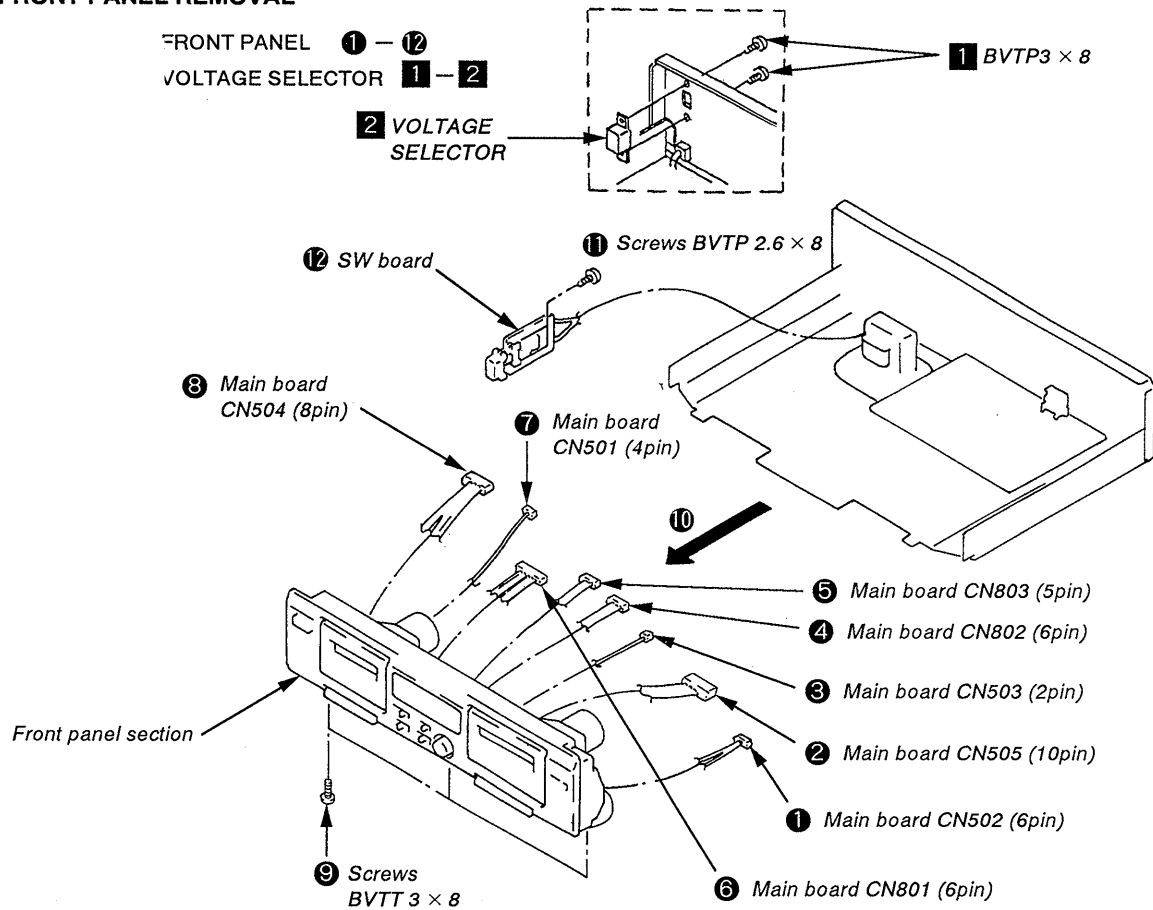
SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

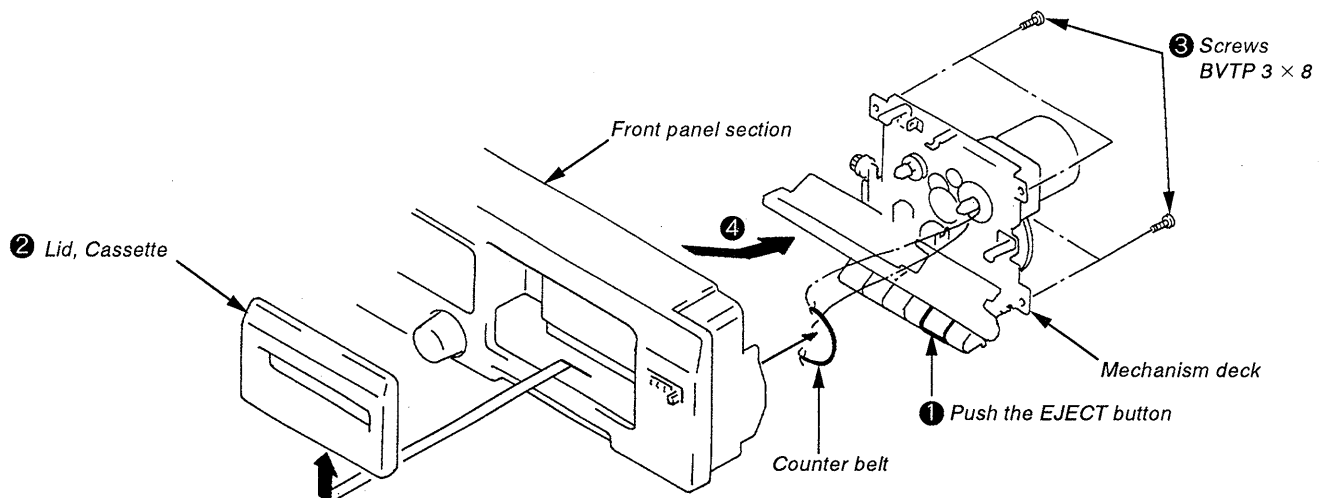
CASE

Unscrew the four case attachment screws M3 × 8 and remove the case.

2-1. FRONT PANEL REMOVAL



2-2. MECHANISM DECK REMOVAL



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:
 record/playback/erase head pinch roller
 rubber belts capstan
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustment.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

• Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	30 to 70 g • cm (0.42 to 0.97 oz • inch)
Forward back tension	CQ-102C	DECK-A : 1.5 to 5.5 g • cm (0.020 to 0.076 oz • inch) DECK-B : 1.5 to 7 g • cm (0.020 to 0.096 oz • inch)
FF/REW	CQ-201B	60 g • cm or more (0.83 oz • inch or more)

• Tape Tension Measurement

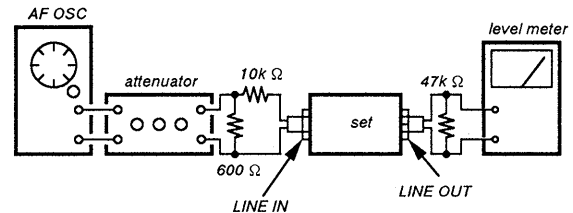
Mode	Tension meter	Meter reading
FWD	CQ-403A	more than 100g (3.53 oz)

3-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

1. The adjustment should be performed in the publication.
(Be sure to make playback adjustment at first.)
2. The adjustments and measurement should be performed for both L-CH and R-CH.
 - Switch position
 DOLBY NR switch : OFF
 TAPE TYPE switch : TYPE I (NORMAL)
 REC level : min
 - Standard record position :
 Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

— Record Mode —



Standard Input Level

Input terminal	LINE IN
source impedance	10k Ω
input signal level	0.5V (- 3.8dB)

Standard Output Level

Output terminal	LINE OUT
load impedance	47k Ω
output signal level	0.5V (- 3.8dB)

Test Tape

Tape	Contents	Use
P-4-A100	10kHz, - 10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

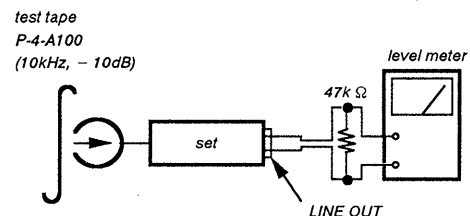
$$0\text{dB} = 0.775\text{V}$$

Record/Playback Head Azimuth Adjustment

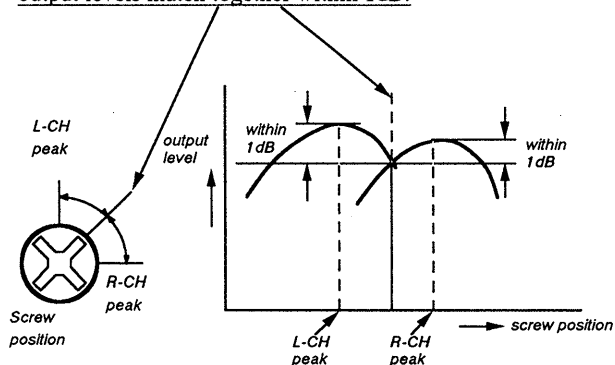
DECK-A **DECK-B**

Procedure :

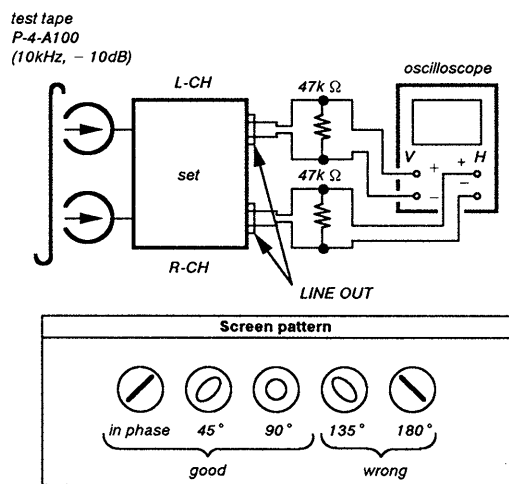
1. Forward playback Mode



2. 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.

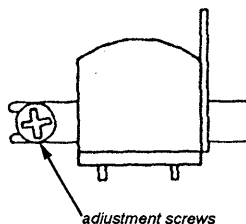


3. Playback Mode



4. Change the reverse playback mode and repeat the steps 1 to 3.
5. After the adjustment, lock the adjustment screws with suitable locking compound.

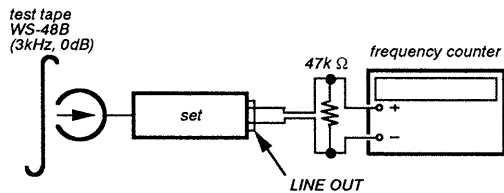
Adjustment Location : – record/playback head –



Tape Speed Adjustment DECK-A DECK-B

Procedure :

- Perform high speed adjustment before normal speed adjustment.
Mode : FWD playback



Specifications :

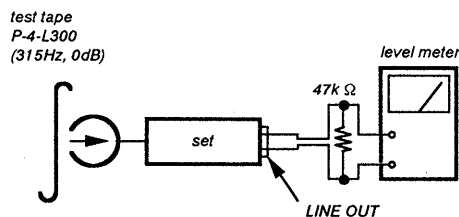
	Adjustment part		CNP506	Frequency counter
High speed	Deck A	RV501	SHORT	5980 to 6020Hz
	Deck B	RV503		
Normal speed	Deck A	RV502	OPEN	2990 to 3010Hz
	Deck B	RV504		

Adjustment Location : MAIN board (see page 9)

Playback Level Adjustment DECK-A DECK-B

Procedure :

Mode : FWD playback



DECK A is RV101 (L-CH) and RV201 (R-CH),
DECK B is RV102 (L-CH) and RV202 (R-CH)
so that adjustment within the following adjustment level.

Adjustment Level :

LINE OUT level : – $7.7 \pm 0.5\text{dB}$ (0.30 to 0.34V)
Level difference between channels : within 0.5dB

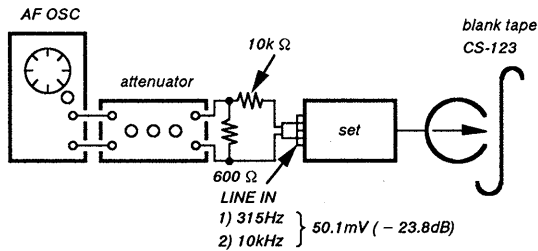
Record Bias Adjustment **DECK-B**

Setting :

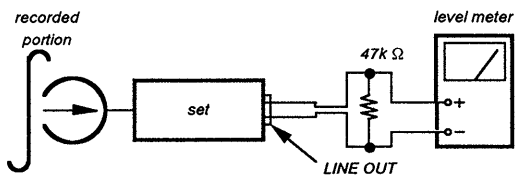
TAPE SELECT : TYPE -I (DECK-B)

Procedure :

1. Record Mode



2. Playback Mode



Confirm that the 10kHz playback output is $0 \pm 0.5\text{dB}$ relative to the 315Hz output. If necessary, adjust RV105 (L-CH), RV205 (R-CH) and repeat the steps given above.

Adjustment Location : MAIN board (see page 9)

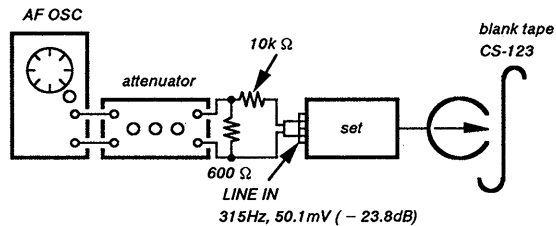
Record Level Adjustment **DECK-B**

Setting :

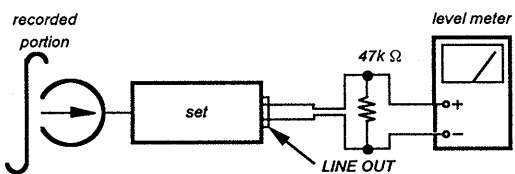
TAPE SELECT : TYPE -I (DECK-B)

Procedure :

1. Record Mode



2. Playback Mode



Confirm playback the tape recorded become adjustment level as follows.

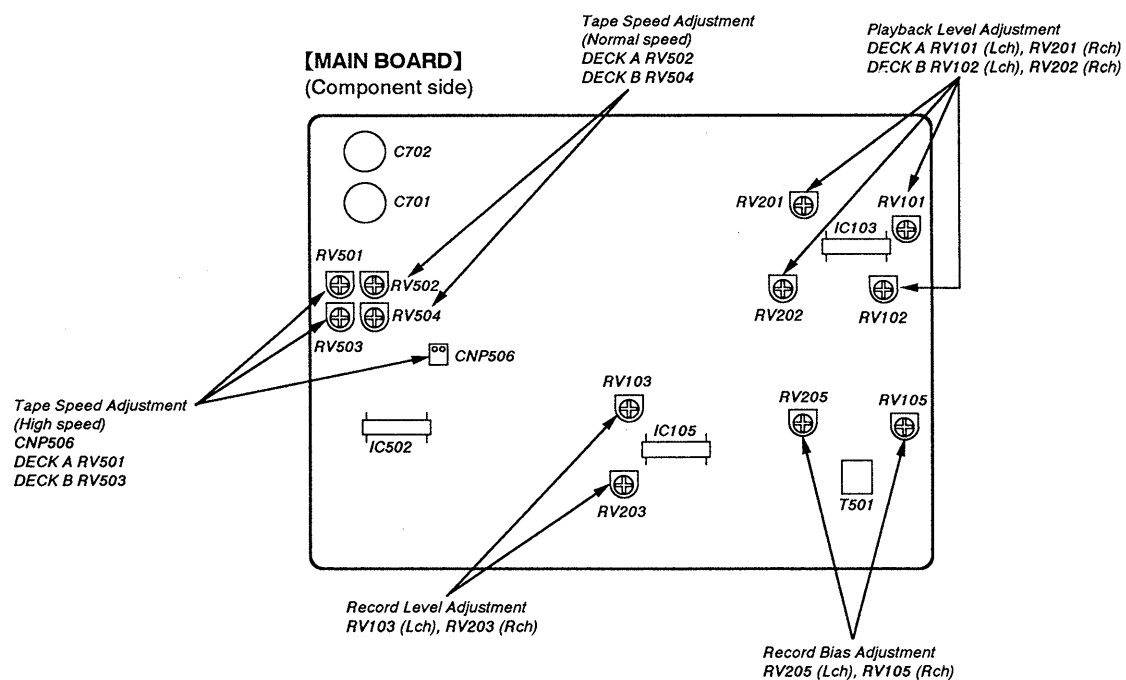
If necessary, adjust RV103 (L-CH), RV203 (R-CH) and repeat the steps 1 and 2.

Adjustment Level :

LINE OUT level : $- 23.8 \pm 0.5\text{dB}$ (47.2 to 53mV)

Adjustment Location : MAIN board (see page 9)

Adjustment Location : MAIN board

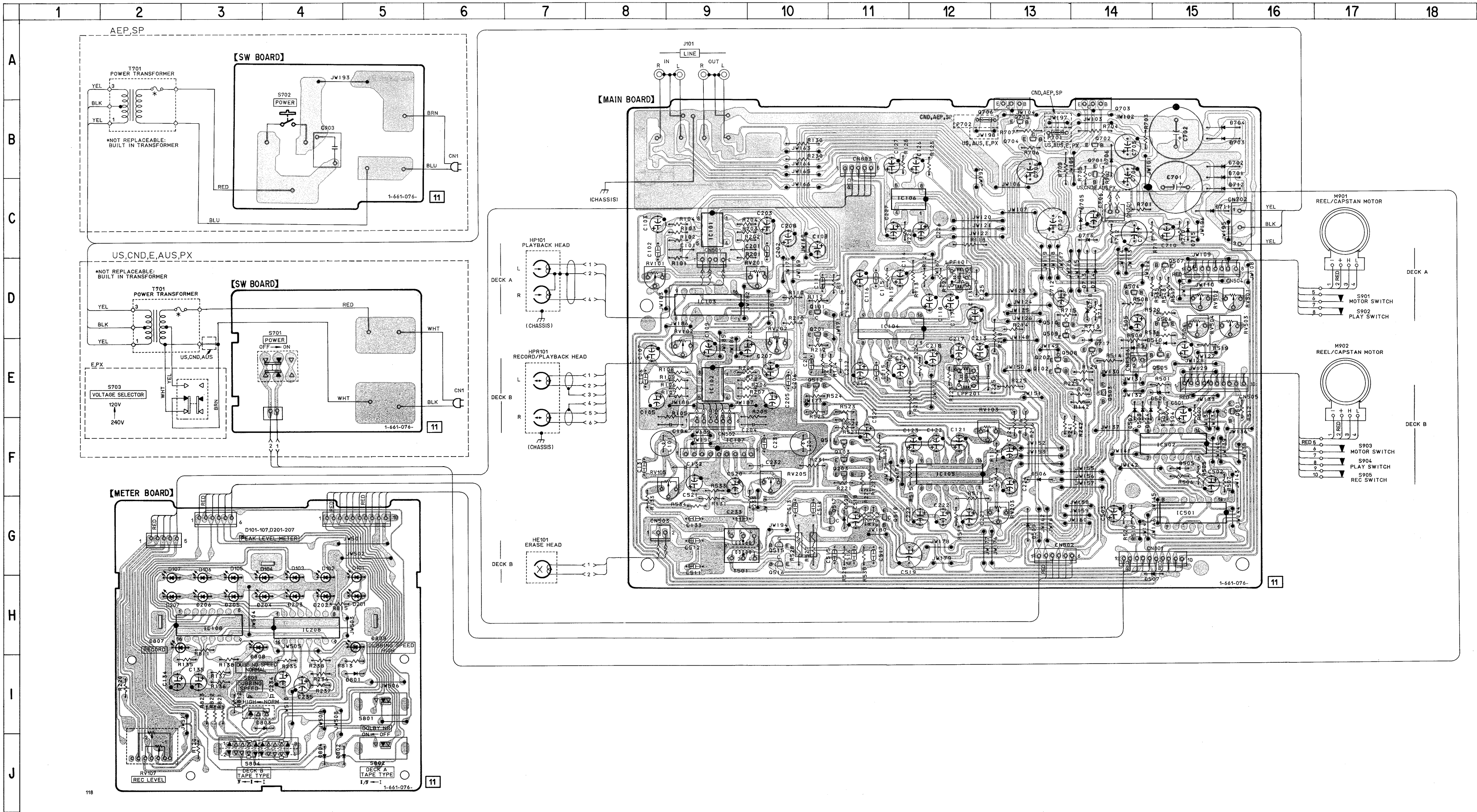


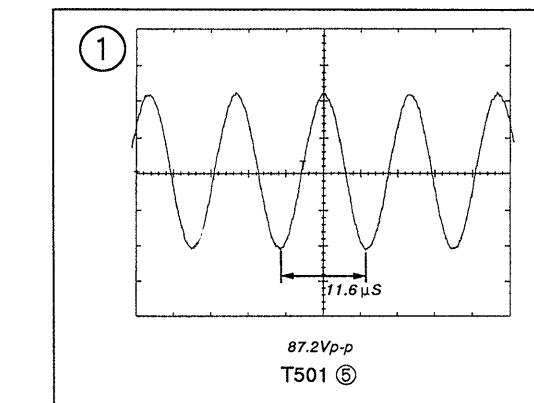
● SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D101	H - 5	D808	H - 3
D102	H - 4	D809	H - 5
D103	H - 4		
D104	H - 4		
D105	H - 3	IC101	C - 9
		IC102	E - 9
D106	H - 3	IC103	D - 9
D107	H - 2	IC104	D - 11
D201	H - 5	IC105	F - 12
D202	H - 4		
D203	H - 4	IC106	C - 12
		IC107	F - 9
D204	H - 4	IC108	H - 3
D205	H - 3	IC208	H - 4
D206	H - 3	IC501	G - 15
D207	H - 2		
D501	E - 15	IC502	F - 15
D502	E - 14		
D503	E - 14	Q101	D - 10
D504	E - 15	Q102	E - 13
D505	F - 15	Q103	F - 11
D506	F - 13	Q201	D - 10
		Q202	E - 13
D507	G - 15		
D508	G - 11	Q203	F - 11
D509	G - 13	Q501	E - 16
D510	E - 15	Q503	E - 14
D511	E - 14	Q504	D - 14
		Q505	E - 15
D701	B - 15		
D702	B - 15	Q506	D - 15
D703	B - 15	Q507	D - 15
D704	B - 15	Q508	E - 14
D705	C - 14	Q509	D - 13
		Q510	D - 13
D706	B - 14		
D711	C - 15	Q511	F - 11
D712	C - 15	Q512	E - 10
D713	D - 14	Q515	G - 10
D714	D - 14	Q516	G - 10
		Q517	G - 11
D715	C - 15		
D716	C - 14	Q518	G - 11
D717	E - 14	Q701	B - 14
D718	D - 14	Q702	B - 14
D801	I - 5	Q703	B - 14
		Q704	B - 13
D802	J - 5		
D803	I - 4	Q705	B - 13
D804	J - 4	Q706	B - 13
D807	H - 2		

Note:

- : parts extracted from the component side.
- △ : internal component.
- ⊞ : Pattern from the side which enables seeing.
- Abbreviations
CND : Canadian
SP : Singapore
AUS : Australian





SECTION 5 EXPLODED VIEWS

NOTE :

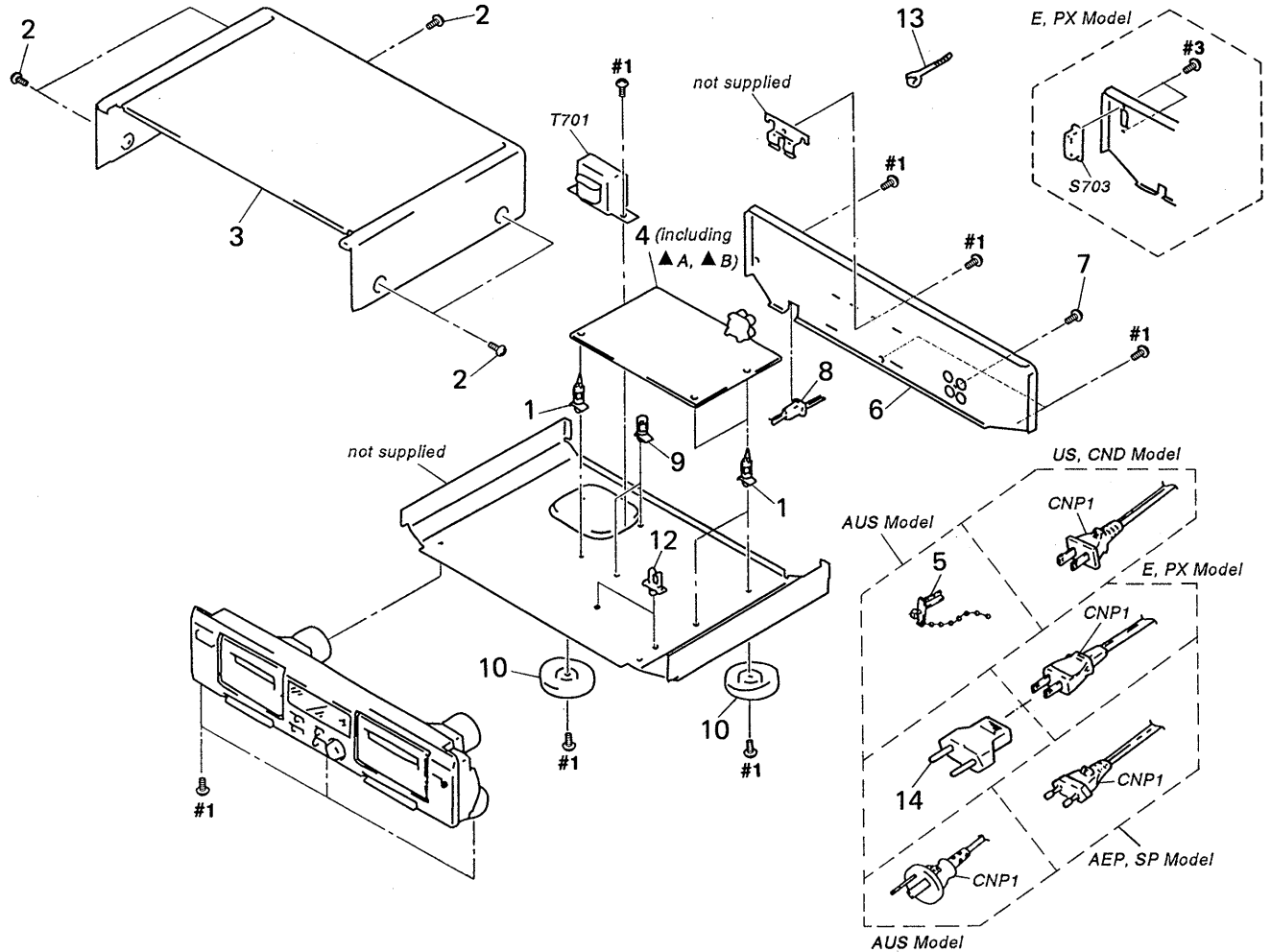
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
CND : Canadian SP : Singapore
AUS : Australian

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

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

5-1. CHASSIS SECTION

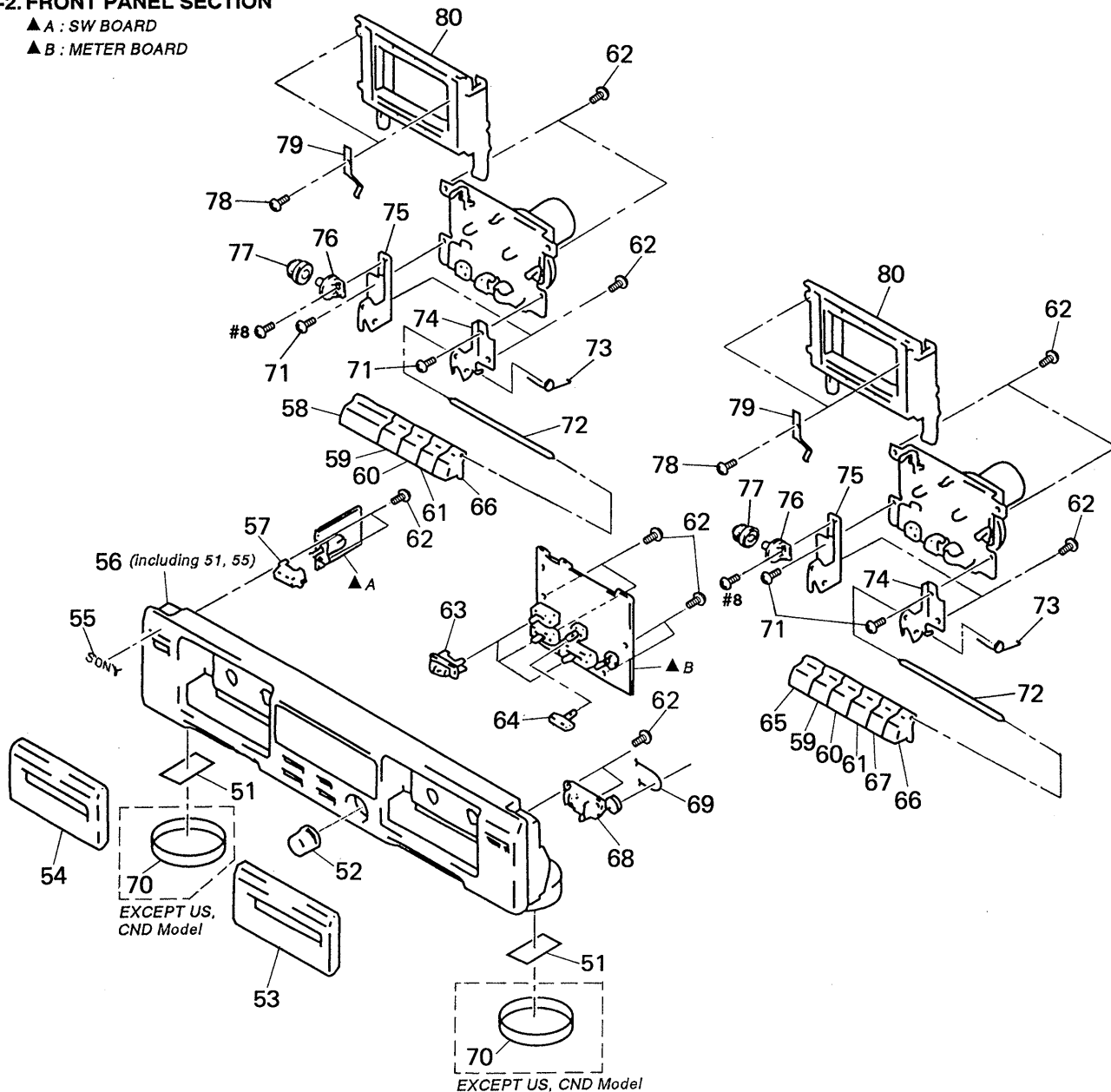


Ref. No.	Part No.	Description	Remark
* 1	3-346-265-11	HOLDER, PC BOARD	
2	3-363-099-01	SCREW (CASE 3 TP2)	
* 3	3-935-634-01	CASE	
* 4	A-2007-564-A	MAIN BOARD, COMPLETE (US,AUS)	
* 4	A-2007-589-A	MAIN BOARD, COMPLETE (AEP,SP,E,PX)	
* 4	A-2007-594-A	MAIN BOARD, COMPLETE (CND)	
5	4-956-370-12	BAND, PLUG FIXED (AUS)	
* 6	3-935-621-01	PANEL, BACK (US)	
* 6	3-935-621-11	PANEL, BACK (CND)	
* 6	3-935-621-21	PANEL, BACK (AEP)	
* 6	3-935-621-31	PANEL, BACK (E,PX)	
* 6	3-935-621-41	PANEL, BACK (AUS)	
* 6	3-935-621-51	PANEL, BACK (SP)	
7	3-704-515-01	SCREW (BV/RING)	
* 8	3-703-244-00	BUSHING (2104), CORD (AEP,SP,AUS)	
8	3-703-571-11	BUSHING (S) (4516), CORD (US,CND,E,PX)	

Ref. No.	Part No.	Description	Remark
* 9	3-669-610-00	SPACER	
10	4-977-591-01	FOOT (F50150S)(EXCEPT US,CND)	
10	4-977-591-11	FOOT (F50150S)(US,CND)	
12	2-122-805-01	CLAMP, CORD	
* 13	3-847-356-02	CLAMP	
Δ 14	1-569-007-11	ADAPTOR, CONVERSION 2P (E)	
Δ CNP1	1-558-945-21	CORD, POWER (POLAR.SPT-1)(US,CND)	
Δ CNP1	1-777-107-11	CORD, POWER (AEP,SP)	
Δ CNP1	1-777-217-11	CORD, POWER (E,PX)	
Δ CNP1	1-777-218-11	CORD, POWER (AUS)	
Δ S703	1-692-155-11	SELECTOR, POWER VOLTAGE (E,PX)	
Δ T701	1-429-716-11	TRANSFORMER, POWER (US,CND)	
Δ T701	1-429-717-11	TRANSFORMER, POWER (AEP,SP)	
Δ T701	1-429-718-11	TRANSFORMER, POWER (E,PX)	
Δ T701	1-429-827-11	TRANSFORMER, POWER (AUS)	

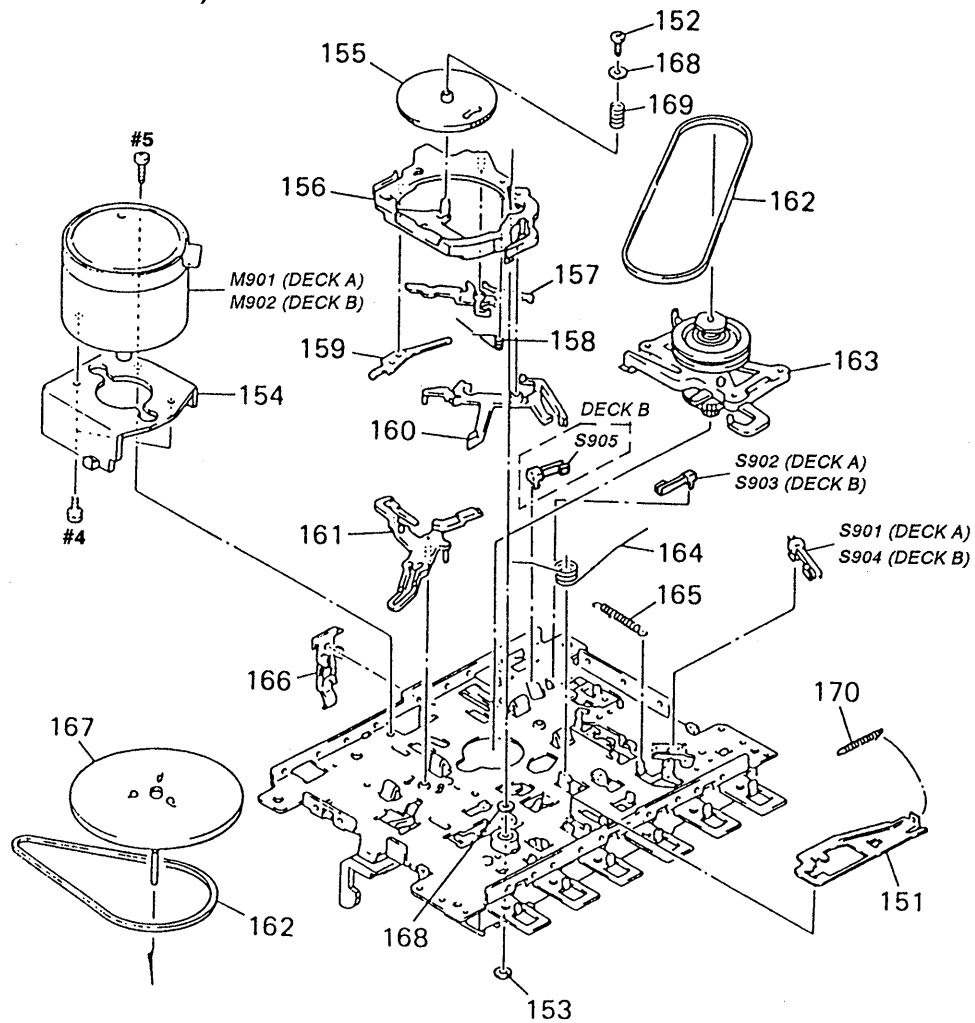
5-2.FRONT PANEL SECTION

▲ A : SW BOARD
▲ B : METER BOARD



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	4-978-398-21	CUSHION		66	3-935-629-01	BUTTON (PAUSE)	
52	3-935-623-01	KNOB (REC)		67	3-935-631-31	BUTTON (MD)	
53	A-2004-584-A	PANEL ASSY, FRONT(US,CND)		68	1-251-440-11	COUNTER, TAPE	
53	A-2004-597-A	PANEL ASSY, FRONT (EXCEPT US,CND)		69	3-315-405-00	BELT	
54	A-2004-588-A	LID ASSY (R), CASSETTE		70	3-936-864-01	RING (L), ORNAMENTAL(EXCEPT US,CND)	
55	4-963-404-21	EMBLEM (5-A), SONY		71	3-918-741-01	SCREW	
56	A-2004-587-A	LID ASSY (L), CASSETTE		* 72	3-931-794-01	BUTTON, SHAFT	
57	3-931-429-11	BUTTON (POWER)		73	3-931-805-01	SPRING	
58	3-935-628-01	BUTTON (PLAY)		* 74	3-931-792-01	BUTTON (R), HOLDER	
59	3-935-631-01	BUTTON (MD)		* 75	3-931-793-01	BUTTON (L), HOLDER	
60	3-935-631-11	BUTTON (MD)		76	3-931-806-01	GEAR, HOLDER	
61	3-935-631-21	BUTTON (MD)		77	3-931-807-01	DAMPER, GEAR	
62	4-951-620-01	SCREW (2.6X8), +BVTP		78	3-931-790-01	SCREW	
63	3-935-625-01	KNOB (SL)		* 79	3-931-804-01	PLATE, KEEP	
64	3-935-624-01	BUTTON (DB)		80	3-931-803-01	CASE, CASSETTE	
65	3-935-630-01	BUTTON (REC)		#8	7-685-782-01	SCREW +PTT 2X5 (S)	

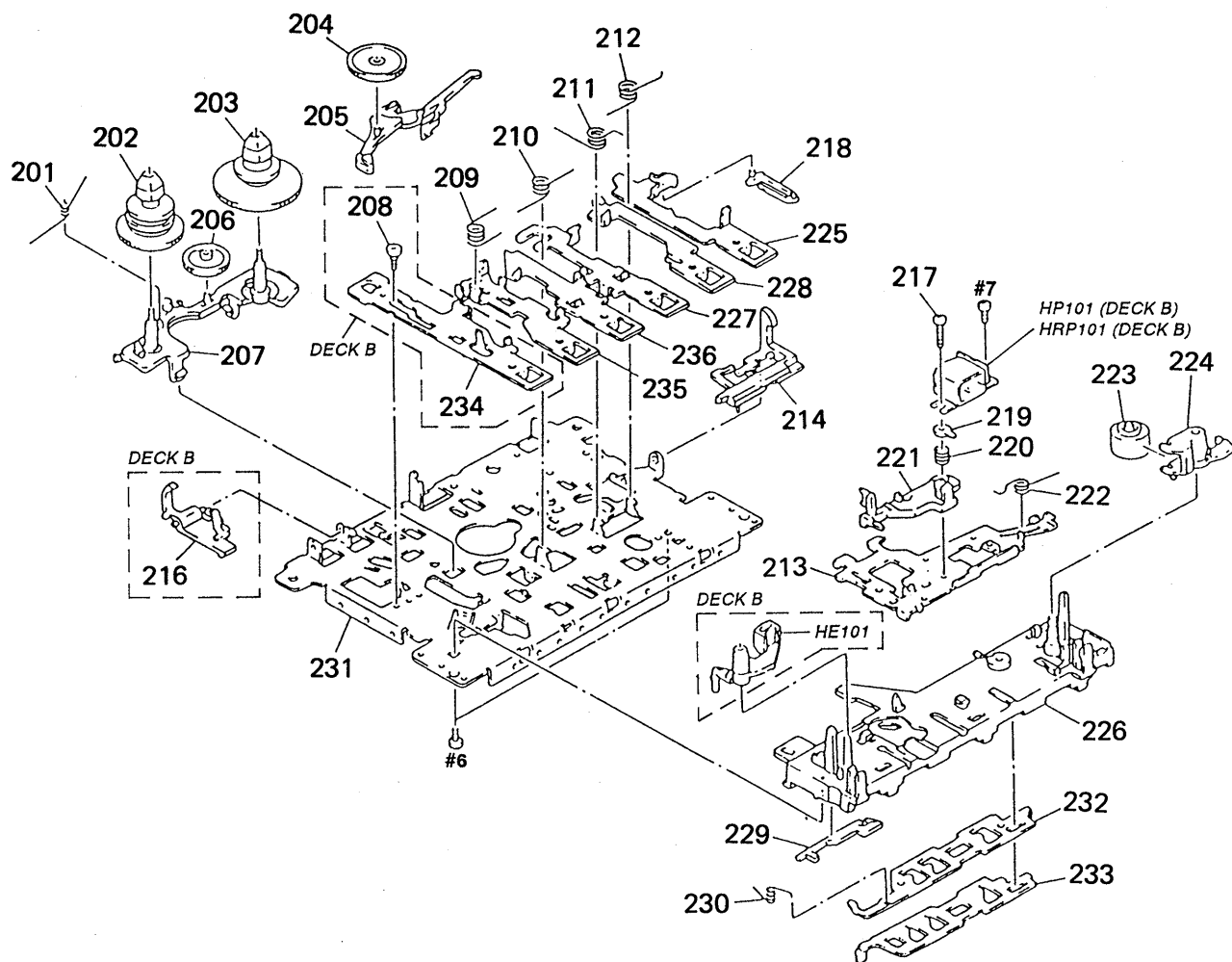
5-3. MECHANISM DECK SECTION 1
(TCM-YS47CZ-19 : DECK A)
(TCM-YS47CZ-18 : DECK B)



Ref. No.	Part No.	Description	Remark
151	3-379-844-01	PLATE, STOP, FR	
152	3-366-352-01	SCREW	
153	3-362-980-01	WASHER	
* 154	3-362-988-01	HOLDER, MOTOR	
155	X-3363-315-1	GEAR, CAM	
156	3-362-973-01	AS (BASE)	
157	3-362-976-01	LEVER, CONTROL	
158	3-362-977-01	SPRING	
159	3-362-978-01	SPRING, PLATE	
160	3-362-975-01	LEVER, SENSOR	
161	3-387-697-01	SENSOR	
162	3-362-989-01	BELT	
163	3-362-969-01	IDLER ASSY, PF	
164	3-362-970-01	SPRING	

Ref. No.	Part No.	Description	Remark
165	3-362-971-01	SPRING	
166	3-911-189-01	CASSETTE SPRING	
167	3-387-698-01	FW ASSY	
168	3-369-961-01	WASHER	
169	3-369-962-01	SPRING, COMPRESSION	
170	3-379-843-01	SPRING	
M901	1-698-845-11	REEL/CAPSTAN MOTOR (DECK A)	
M902	1-698-845-11	REEL/CAPSTAN MOTOR (DECK B)	
S901	1-692-434-11	LEAF SWITCH (MOTOR) (DECK A)	
S902	1-692-434-11	LEAF SWITCH (PLAY) (DECK A)	
S903	1-692-434-11	LEAF SWITCH (MOTOR) (DECK B)	
S904	1-692-434-11	LEAF SWITCH (PLAY) (DECK B)	
S905	1-692-434-11	LEAF SWITCH (REC) (DECK B)	

5-4. MECHANISM DECK SECTION 2
(TCM-YS47CZ-19 : DECK A)
(TCM-YS47CZ-18 : DECK B)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-917-805-01	SPRING		221	3-362-986-01	HOLDER, HEAD	
202	X-3363-611-1	REEL, S		222	3-362-983-01	SPRING	
203	3-362-962-01	REEL ASSY, T		223	3-362-982-01	PINCH ROLLER	
204	3-362-960-01	PULLEY, IDLER		224	3-362-981-01	PINCH ARM	
205	3-362-959-01	ARM, IDLER		* 225	3-362-952-01	LEVER, PAUSE	
206	3-362-965-01	IDLER, FF		226	3-362-942-01	FRAME ASSY	
207	3-362-961-01	SPINDLE (BASE)		* 227	3-362-950-01	LEVER, FF	
208	3-362-958-01	SCREW (DECK B)		* 228	3-362-951-01	LEVER, SE	
209	3-362-954-01	SPRING		229	3-362-944-01	STOPPER, REC	
210	3-362-955-01	SPRING		230	3-362-945-01	SPRING	
211	3-362-956-01	SPRING		* 231	3-362-941-01	CHASSIS	
212	3-362-957-01	SPRING		* 232	3-362-943-01	PLATE, FUNCTION	
* 213	3-362-984-01	HEAD (BASE)		* 233	3-362-946-01	LEVER, SW	
214	3-362-968-01	LEVER, EJECT		* 234	3-362-947-01	LEVER, REC (DECK B)	
216	3-362-966-01	INTER LOCK (DECK B)		* 235	3-362-948-01	LEVER, PLAY	
217	3-363-229-01	SCREW		* 236	3-362-949-01	LEVER, REW	
218	3-362-953-01	ARM, PAUSE		HE101	1-543-673-11	ERASE HEAD (DECK B)	
219	3-363-230-01	LUG		HP101	1-543-672-11	PLAYBACK HEAD (DECK A)	
220	3-362-985-01	SPRING		HRP101	1-543-672-11	PLAYBACK/RECORD HEAD (DECK B)	

SECTION 6 ELECTRICAL PARTS LIST

MAIN **SW** **METER**

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.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE :Metal oxide-film resistor
F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

● SEMICONDUCTORS

In each case, u : μ , for example :

uA.... : μ A.... , uPA.... : μ PA....

uPB.... : μ PB.... , uPC.... : μ PC....

uPD.... : μ PD....

● CAPACITORS

uF : μ F

● COILS

uH : μ H

● Abbreviation

CND : Canadian

AUS : Australian

SP : Singapore

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-2007-564-A	MAIN BOARD, COMPLETE (US,AUS)		C133	1-136-439-11	FILM	330PF 5% 630V
*	A-2007-589-A	MAIN BOARD, COMPLETE (AEPE,SP,PX)		C134	1-124-903-11	ELECT	1uF 20% 50V
*	A-2007-594-A	MAIN BOARD, COMPLETE (CND)		C135	1-126-963-11	ELECT	4.7uF 20% 50V
		*****		C201	1-162-290-31	CERAMIC	470PF 10% 50V
		SW BOARD		C202	1-136-157-00	FILM	0.022uF 5% 50V

		METER BOARD		C203	1-126-961-11	ELECT	2.2uF 20% 50V
		*****		C204	1-162-290-31	CERAMIC	470PF 10% 50V
				C205	1-124-443-00	ELECT	100uF 20% 10V
*	1-535-688-11	TERMINAL		C206	1-136-157-00	FILM	0.022uF 5% 50V
		< CAPACITOR >		C207	1-126-961-11	ELECT	2.2uF 20% 50V
C101	1-162-290-31	CERAMIC	470PF 10% 50V	C208	1-124-907-11	ELECT	10uF 20% 50V
C102	1-136-157-00	FILM	0.022uF 5% 50V	C209	1-124-907-11	ELECT	10uF 20% 50V
C103	1-126-961-11	ELECT	2.2uF 20% 50V	C211	1-130-479-00	MYLAR	0.0047uF 5% 50V
C104	1-162-290-31	CERAMIC	470PF 10% 50V	C212	1-162-289-31	CERAMIC	390PF 10% 50V
C105	1-124-443-00	ELECT	100uF 20% 10V	C213	1-124-907-11	ELECT	10uF 20% 50V
C106	1-136-157-00	FILM	0.022uF 5% 50V	C214	1-126-961-11	ELECT	2.2uF 20% 50V
C107	1-126-961-11	ELECT	2.2uF 20% 50V	C215	1-136-165-00	FILM	0.1uF 5% 50V
C108	1-124-907-11	ELECT	10uF 20% 50V	C216	1-126-961-11	ELECT	2.2uF 20% 50V
C109	1-124-907-11	ELECT	10uF 20% 50V	C217	1-124-903-11	ELECT	1uF 20% 50V
C111	1-130-479-00	MYLAR	0.0047uF 5% 50V	C218	1-124-903-11	ELECT	1uF 20% 50V
C112	1-162-289-31	CERAMIC	390PF 10% 50V	C221	1-126-963-11	ELECT	4.7uF 20% 50V
C113	1-124-443-00	ELECT	100uF 20% 10V	C222	1-124-902-00	ELECT	0.47uF 20% 50V
C114	1-126-961-11	ELECT	2.2uF 20% 50V	C223	1-126-963-11	ELECT	4.7uF 20% 50V
C115	1-136-165-00	FILM	0.1uF 5% 50V	C224	1-124-907-11	ELECT	10uF 20% 50V
C116	1-126-961-11	ELECT	2.2uF 20% 50V	C225	1-162-600-11	CERAMIC	0.0047uF 30% 16V
C117	1-124-903-11	ELECT	1uF 20% 50V	C226	1-124-907-11	ELECT	10uF 20% 50V
C118	1-124-903-11	ELECT	1uF 20% 50V	C227	1-126-961-11	ELECT	2.2uF 20% 50V
C121	1-126-963-11	ELECT	4.7uF 20% 50V	C231	1-136-433-11	FILM	100PF 5% 630V
C122	1-124-902-00	ELECT	0.47uF 20% 50V	C232	1-162-284-31	CERAMIC	150PF 10% 50V
C123	1-126-963-11	ELECT	4.7uF 20% 50V	C233	1-136-439-11	FILM	330PF 5% 630V
C124	1-124-907-11	ELECT	10uF 20% 50V	C234	1-124-903-11	ELECT	1uF 20% 50V
C125	1-162-600-11	CERAMIC	0.0047uF 30% 16V	C235	1-126-963-11	ELECT	4.7uF 20% 50V
C126	1-124-907-11	ELECT	10uF 20% 50V	C501	1-126-233-11	ELECT	22uF 20% 50V
C127	1-126-961-11	ELECT	2.2uF 20% 50V	C502	1-124-907-11	ELECT	10uF 20% 50V
C131	1-136-433-11	FILM	100PF 5% 630V	C503	1-126-233-11	ELECT	22uF 20% 50V
C132	1-162-284-31	CERAMIC	150PF 10% 50V				
				C504	1-124-902-00	ELECT	0.47uF 20% 50V

MAIN

SW

METER

Ref. No.	Part No.	Description			Remark
C505	1-124-907-11	ELECT	10uF	20%	50V
C511	1-136-601-11	FILM	0.01uF	5%	630V
C512	1-136-562-11	FILM	0.0082uF	5%	630V
C513	1-136-177-00	FILM	1uF	5%	50V
C514	1-136-174-00	FILM	0.56uF	5%	50V
C515	1-106-365-00	MYLAR	0.0082uF	5%	100V
C516	1-106-355-12	MYLAR	3300PF	5%	200V
C517	1-106-355-12	MYLAR	3300PF	5%	200V
C518	1-124-902-00	ELECT	0.47uF	20%	50V
C519	1-124-120-11	ELECT	220uF	20%	25V
C520	1-124-907-11	ELECT	10uF	20%	50V
C521	1-126-963-11	ELECT	4.7uF	20%	50V
C522	1-124-907-11	ELECT	10uF	20%	50V
C701	1-124-557-11	ELECT	1000uF	20%	25V
C702	1-124-557-11	ELECT	1000uF	20%	25V
C704	1-124-120-11	ELECT	220uF	20%	25V
C705	1-124-120-11	ELECT	220uF	20%	25V
C706	1-124-903-11	ELECT	1uF	20%	50V
C707	1-124-473-11	ELECT	1000uF	20%	10V
C708	1-124-472-11	ELECT	470uF	20%	10V
C710	1-126-963-11	ELECT	4.7uF	20%	50V
C711	1-124-119-00	ELECT	330uF	20%	16V
C712	1-124-443-00	ELECT	100uF	20%	10V
△C903	1-165-170-11	CERAMIC	0.0047uF	20%	400V (AEP,SP)
< CONNECTOR >					
CN501	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
* CN502	1-691-577-11	PIN, CONNECTOR (PC BOARD) 6P			
* CN503	1-691-573-11	PIN, CONNECTOR (PC BOARD) 2P			
* CN504	1-691-579-11	PIN, CONNECTOR (PC BOARD) 8P			
* CN505	1-691-581-11	PIN, CONNECTOR (PC BOARD) 10P			
* CN506	1-560-060-00	PIN, CONNECTOR 2P			
* CN701	1-691-573-11	PIN, CONNECTOR (PC BOARD) 2P (EXCEPT AEP,SP)			
* CN702	1-535-116-00	TERMINAL(US,CND,AUS)			
* CN702	1-691-574-11	PIN, CONNECTOR (PC BOARD) 3P (AEP,E,SP,PX)			
* CN801	1-691-581-11	PIN, CONNECTOR (PC BOARD) 10P			
* CN802	1-691-577-11	PIN, CONNECTOR (PC BOARD) 6P			
CN803	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P			
< DIODE >					
D101	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D102	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D103	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D103	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D104	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D105	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D106	8-719-304-32	LED SEL4214S (PeAK LEVEL METER)			
D107	8-719-304-32	LED SEL4214S (PeAK LEVEL METER)			
D201	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			
D202	8-719-304-37	LED SEL4414E-C(PeAK LEVEL METER)			

Ref. No.	Part No.	Description	Remark
D203	8-719-304-37	LED SEL4414E-C(Peak Level Meter)	
D204	8-719-304-37	LED SEL4414E-C(Peak Level Meter)	
D205	8-719-304-37	LED SEL4414E-C(Peak Level Meter)	
D206	8-719-304-32	LED SEL4214S (Peak Level Meter)	
D207	8-719-304-32	LED SEL4214S (Peak Level Meter)	
D501	8-719-987-63	DIODE 1N4148M	
D502	8-719-987-63	DIODE 1N4148M	
D503	8-719-987-63	DIODE 1N4148M	
D504	8-719-987-63	DIODE 1N4148M	
D505	8-719-987-63	DIODE 1N4148M	
D506	8-719-987-63	DIODE 1N4148M	
D507	8-719-987-63	DIODE 1N4148M	
D508	8-719-987-63	DIODE 1N4148M	
D509	8-719-987-63	DIODE 1N4148M	
D510	8-719-987-63	DIODE 1N4148M	
D511	8-719-987-63	DIODE 1N4148M	
D701	8-719-024-99	DIODE 11ES2-NTA2B	
D702	8-719-024-99	DIODE 11ES2-NTA2B	
D703	8-719-024-99	DIODE 11ES2-NTA2B	
D704	8-719-024-99	DIODE 11ES2-NTA2B	
D705	8-719-000-75	DIODE UZL-7L1	
D706	8-719-987-63	DIODE 1N4148M	
D711	8-719-024-99	DIODE 11ES2-NTA2B	
D712	8-719-024-99	DIODE 11ES2-NTA2B	
D713	8-719-987-63	DIODE 1N4148M	
D714	8-719-987-63	DIODE 1N4148M	
D715	8-719-987-63	DIODE 1N4148M	
D716	8-719-933-47	DIODE HZS7B2L	
D717	8-719-987-63	DIODE 1N4148M	
D718	8-719-933-33	DIODE HZS6A1L	
D801	8-719-987-63	DIODE 1N4148M	
D802	8-719-987-63	DIODE 1N4148M	
D803	8-719-987-63	DIODE 1N4148M	
D804	8-719-987-63	DIODE 1N4148M	
D807	8-719-302-46	LED SEL1210S-C-TP3(RECORD)	
D808	8-719-302-46	LED SEL1210S-C-TP3(DUBBING SPEED HIG	
D809	8-719-302-46	LED SEL1210S-C-TP3	(DUBBING SPEED NORMAL)
< IC >			
IC101	8-759-111-44	IC uPC4570C-1	
IC102	8-759-111-44	IC uPC4570C-1	
IC103	8-759-000-49	IC MC14066BCP	
IC104	8-752-056-08	IC CXA1551P	
IC105	8-752-064-96	IC CXA1579P	
IC106	8-759-634-51	IC M5218AP	
IC107	8-759-079-42	IC uPC1330HA-NA	
IC108	8-759-912-79	IC IR2E02	
IC208	8-759-912-79	IC IR2E02	
IC501	8-759-040-01	IC MC14001BCP	
IC502	8-759-140-11	IC uPD4011BC	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< JACK >					
J101	1-770-614-11	JACK, PIN 4P (LINE IN,OUT)		R106	1-247-807-31	CARBON 100 5%	1/4W
		< COIL >		R107	1-249-433-11	CARBON 22K 5%	1/4W
L101	1-410-781-11	INDUCTOR 33mH		R108	1-247-881-00	CARBON 120K 5%	1/4W
L201	1-410-781-11	INDUCTOR 33mH		R109	1-247-850-11	CARBON 6.2K 5%	1/4W
		< FILTER >		R110	1-247-856-00	CARBON 11K 5%	1/4W
LPF101	1-233-380-11	FILTER, LOW PASS		R111	1-249-431-11	CARBON 15K 5%	1/4W
LPF201	1-233-380-11	FILTER, LOW PASS		R112	1-247-887-00	CARBON 220K 5%	1/4W
		< IC LINK>		R113	1-215-451-00	METAL 18K 1%	1/4W
△ P701	1-532-637-00	LINK, IC(1A)(CND,AEP,SP)		R114	1-249-433-11	CARBON 22K 5%	1/4W
△ P702	1-532-637-00	LINK, IC(1A)(CND,AEP,SP)		R115	1-249-441-11	CARBON 100K 5%	1/4W
		< TRANSISTOR >		R116	1-249-429-11	CARBON 10K 5%	1/4W
Q101	8-729-900-89	TRANSISTOR DTC144ES		R117	1-249-423-11	CARBON 3.3K 5%	1/4W
Q102	8-729-119-78	TRANSISTOR 2SC403SP-51		R118	1-249-421-11	CARBON 2.2K 5%	1/4W
Q103	8-729-119-78	TRANSISTOR 2SC403SP-51		R120	1-249-434-11	CARBON 27K 5%	1/4W
Q201	8-729-900-89	TRANSISTOR DTC144ES		R121	1-249-409-11	CARBON 220 5%	1/4W
Q202	8-729-119-78	TRANSISTOR 2SC403SP-51		R122	1-249-425-11	CARBON 4.7K 5%	1/4W
Q203	8-729-119-78	TRANSISTOR 2SC403SP-51		R123	1-249-426-11	CARBON 5.6K 5%	1/4W
Q501	8-729-900-65	TRANSISTOR DTA144ES		R124	1-247-887-00	CARBON 220K 5%	1/4W
Q503	8-729-900-74	TRANSISTOR DTC143TS		R125	1-249-421-11	CARBON 2.2K 5%	1/4W
Q504	8-729-900-80	TRANSISTOR DTC114ES		R128	1-249-441-11	CARBON 100K 5%	1/4W
Q505	8-729-900-89	TRANSISTOR DTC144ES		R129	1-249-421-11	CARBON 2.2K 5%	1/4W
Q506	8-729-119-76	TRANSISTOR 2SA1175-HFE		R130	1-249-417-11	CARBON 1K 5%	1/4W
Q507	8-729-119-76	TRANSISTOR 2SA1175-HFE		R131	1-249-428-11	CARBON 8.2K 5%	1/4W
Q508	8-729-900-65	TRANSISTOR DTA144ES		R133	1-249-429-11	CARBON 10K 5%	1/4W
Q509	8-729-119-78	TRANSISTOR 2SC403SP-51		R135	1-247-840-00	CARBON 2.4K 5%	1/4W
Q510	8-729-119-78	TRANSISTOR 2SC403SP-51		R136	1-249-441-11	CARBON 100K 5%	1/4W
Q511	8-729-900-89	TRANSISTOR DTC144ES		R137	1-247-883-00	CARBON 150K 5%	1/4W
Q512	8-729-900-89	TRANSISTOR DTC144ES		R138	1-249-433-11	CARBON 22K 5%	1/4W
Q515	8-729-142-46	TRANSISTOR 2SC2001-LK		R141	1-249-428-11	CARBON 8.2K 5%	1/4W
Q516	8-729-142-46	TRANSISTOR 2SC2001-LK		R142	1-249-424-11	CARBON 3.9K 5%	1/4W
Q517	8-729-142-46	TRANSISTOR 2SC2001-LK		R201	1-247-889-00	CARBON 270K 5%	1/4W
Q518	8-729-900-65	TRANSISTOR DTA144ES		R202	1-247-807-31	CARBON 100 5%	1/4W
Q701	8-729-119-78	TRANSISTOR 2SC403SP-51		R203	1-247-850-11	CARBON 6.2K 5%	1/4W
Q702	8-729-119-78	TRANSISTOR 2SC403SP-51		R204	1-247-881-00	CARBON 120K 5%	1/4W
Q703	8-729-141-83	TRANSISTOR 2SB1094-LK		R205	1-247-889-00	CARBON 270K 5%	1/4W
Q704	8-729-119-76	TRANSISTOR 2SA1175-HFE		R206	1-247-807-31	CARBON 100 5%	1/4W
Q705	8-729-119-76	TRANSISTOR 2SA1175-HFE		R207	1-249-433-11	CARBON 22K 5%	1/4W
Q706	8-729-209-15	TRANSISTOR 2SD2012		R208	1-247-881-00	CARBON 120K 5%	1/4W
		< RESISTOR >		R209	1-247-850-11	CARBON 6.2K 5%	1/4W
R101	1-247-889-00	CARBON 270K 5%	1/4W	R210	1-247-856-00	CARBON 11K 5%	1/4W
R102	1-247-807-31	CARBON 100 5%	1/4W	R211	1-249-431-11	CARBON 15K 5%	1/4W
R103	1-247-850-11	CARBON 6.2K 5%	1/4W	R212	1-247-887-00	CARBON 220K 5%	1/4W
R104	1-247-881-00	CARBON 120K 5%	1/4W	R213	1-247-807-31	CARBON 100 5%	1/4W
R105	1-247-889-00	CARBON 270K 5%	1/4W	R214	1-249-401-11	CARBON 47 5%	1/4W
				R215	1-249-441-11	CARBON 100K 5%	1/4W
				R216	1-249-429-11	CARBON 10K 5%	1/4W
				R217	1-249-423-11	CARBON 3.3K 5%	1/4W
				R218	1-249-421-11	CARBON 2.2K 5%	1/4W
				R220	1-249-434-11	CARBON 27K 5%	1/4W
				R221	1-249-409-11	CARBON 220 5%	1/4W
				R222	1-249-425-11	CARBON 4.7K 5%	1/4W

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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MAIN SW METER

Ref. No.	Part No.	Description			Remark
R223	1-249-426-11	CARBON	5.6K	5%	1/4W
R224	1-247-887-00	CARBON	220K	5%	1/4W
R225	1-249-421-11	CARBON	2.2K	5%	1/4W
R228	1-249-441-11	CARBON	100K	5%	1/4W
R229	1-249-421-11	CARBON	2.2K	5%	1/4W
R230	1-249-417-11	CARBON	1K	5%	1/4W
R231	1-249-428-11	CARBON	8.2K	5%	1/4W
R233	1-249-429-11	CARBON	10K	5%	1/4W
R235	1-247-840-00	CARBON	2.4K	5%	1/4W
R236	1-249-441-11	CARBON	100K	5%	1/4W
R237	1-247-883-00	CARBON	150K	5%	1/4W
R238	1-249-433-11	CARBON	22K	5%	1/4W
R241	1-249-428-11	CARBON	8.2K	5%	1/4W
R242	1-249-424-11	CARBON	3.9K	5%	1/4W
R501	1-249-425-11	CARBON	4.7K	5%	1/4W
R502	1-249-425-11	CARBON	4.7K	5%	1/4W
R503	1-249-437-11	CARBON	47K	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W
R505	1-249-425-11	CARBON	4.7K	5%	1/4W
R506	1-249-435-11	CARBON	33K	5%	1/4W
R507	1-249-431-11	CARBON	15K	5%	1/4W
R508	1-249-437-11	CARBON	47K	5%	1/4W
R509	1-249-433-11	CARBON	22K	5%	1/4W
R510	1-247-807-31	CARBON	100	5%	1/4W
R511	1-249-437-11	CARBON	47K	5%	1/4W
R512	1-249-393-11	CARBON	10	5%	1/4W
R513	1-249-437-11	CARBON	47K	5%	1/4W
R514	1-249-417-11	CARBON	1K	5%	1/4W
R515	1-215-455-00	METAL	27K	1%	1/4W
R517	1-247-856-00	CARBON	11K	5%	1/4W
R518	1-247-852-11	CARBON	7.5K	5%	1/4W
R519	1-247-856-00	CARBON	11K	5%	1/4W
R520	1-247-852-11	CARBON	7.5K	5%	1/4W
R521	1-249-440-11	CARBON	82K	5%	1/4W
R522	1-249-429-11	CARBON	10K	5%	1/4W
R523	1-247-862-11	CARBON	20K	5%	1/4W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-249-421-11	CARBON	2.2K	5%	1/4W
R526	1-249-437-11	CARBON	47K	5%	1/4W
△ R527	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
△ R528	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R529	1-249-435-11	CARBON	33K	5%	1/4W
R530	1-249-435-11	CARBON	33K	5%	1/4W
R531	1-249-429-11	CARBON	10K	5%	1/4W
R532	1-249-417-11	CARBON	1K	5%	1/4W
R533	1-249-429-11	CARBON	10K	5%	1/4W
R534	1-249-417-11	CARBON	1K	5%	1/4W
R535	1-249-425-11	CARBON	4.7K	5%	1/4W
R536	1-249-425-11	CARBON	4.7K	5%	1/4W
R701	1-249-421-11	CARBON	2.2K	5%	1/4W
R702	1-249-421-11	CARBON	2.2K	5%	1/4W
R703	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R704	1-249-421-11	CARBON	2.2K	5%	1/4W
R705	1-249-417-11	CARBON	1K	5%	1/4W
R706	1-249-423-11	CARBON	3.3K	5%	1/4W
R707	1-247-807-31	CARBON	100	5%	1/4W
R709	1-249-424-11	CARBON	3.9K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-417-11	CARBON	1K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R714	1-249-421-11	CARBON	2.2K	5%	1/4W
R715	1-249-421-11	CARBON	2.2K	5%	1/4W
R811	1-249-413-11	CARBON	470	5%	1/4W
R812	1-249-412-11	CARBON	390	5%	1/4W
R813	1-249-413-11	CARBON	470	5%	1/4W
R815	1-249-408-11	CARBON	180	5%	1/4W
R821	1-249-430-11	CARBON	12K	5%	1/4W
R822	1-249-424-11	CARBON	3.9K	5%	1/4W
R823	1-247-838-00	CARBON	2K	5%	1/4W
< VARIABLE RESISTOR >					
RV101	1-241-630-11	RES, ADJ, CARBON 10K (PLAYBACK LEVEL(L-CH))(DECK A)			
RV102	1-241-630-11	RES, ADJ, CARBON 10K (PLAYBACK LEVEL(L-CH))(DECK B)			
RV103	1-241-630-11	RES, ADJ, CARBON 10K (REC LEVEL(L-CH))			
RV105	1-241-768-11	RES, ADJ, CARBON 220K (REC BIAS(L-CH))			
RV107	1-223-850-11	RES, VAR, CARBON 20K/20K(REC LEVEL)			
RV201	1-241-630-11	RES, ADJ, CARBON 10K (PLAYBACK LEVEL(R-CH))(DECK A)			
RV202	1-241-630-11	RES, ADJ, CARBON 10K (PLAYBACK LEVEL(R-CH))(DECK B)			
RV203	1-241-630-11	RES, ADJ, CARBON 10K (REC LEVEL(R-CH))			
RV205	1-241-768-11	RES, ADJ, CARBON 220K (REC BIAS(R-CH))			
RV501	1-241-762-11	RES, ADJ, CARBON 2.2K (TAPE SPEED(HIGH))(DECK A)			
RV502	1-241-762-11	RES, ADJ, CARBON 2.2K (TAPE SPEED(NORMAL))(DECK A)			
RV503	1-241-762-11	RES, ADJ, CARBON 2.2K (TAPE SPEED(HIGH))(DECK B)			
RV504	1-241-762-11	RES, ADJ, CARBON 2.2K (TAPE SPEED(NORMAL))(DECK B)			
< SWITCH >					
S701	1-762-580-11	SWITCH, PUSH (1 KEY)(POWER) (US,CND,E,AUS,PX)			
△ S702	1-762-581-11	SWITCH, AC POWER PUSH (1 KEY)(POWER) (AEP,SP)			
△ S703	1-692-155-11	SELECTOR POWER VOLTAGE (VOLTAGE SELECTOR) (E,PX)			
S801	1-762-251-11	SWITCH, SLIDE(DOLBY NR)			
S802	1-762-251-11	SWITCH, SLIDE(DECK A TAPE TYPE)			
S803	1-762-747-11	SWITCH, PUSH (DUBBING SPEED)			
S804	1-762-748-11	SWITCH, SLIDE(DECK B TAPE TYPE)			

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

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

Ref. No.	Part No.	Description	Remark
< TRANSFORMER >			
T501	1-427-780-11	TRANSFORMER, BIAS OSCILLATION	

MISCELLANEOUS			

△ 14	1-569-007-11	ADAPTOR, CONVERSION 2P (E)	
68	1-251-440-11	COUNTER, TAPE	
△ CNP1	1-558-945-21	CORD, POWER (POLAR.SPT-1)(US,CND)	
△ CNP1	1-777-107-11	CORD, POWER (AEP,SP)	
△ CNP1	1-777-217-11	CORD, POWER (E,PX)	
△ CNP1	1-777-218-11	CORD, POWER (AUS)	
HE101	1-543-673-11	ERASE HEAD (DECK B)	
HP101	1-543-672-11	PLAYBACK HEAD (DECK A)	
HRP101	1-543-672-11	PLAYBACK/RECORD HEAD (DECK B)	
M901	1-698-845-11	REEL/CAPSTAN MOTOR (DECK A)	
M902	1-698-845-11	REEL/CAPSTAN MOTOR (DECK B)	
△ S703	1-692-155-11	SELECTOR,POWER VOLTAGE (VOLTAGE SELECTOR) (E,PX)	
S901	1-692-434-11	LEAF SWITCH (MOTOR) (DECK A)	
S902	1-692-434-11	LEAF SWITCH (PLAY) (DECK A)	
S903	1-692-434-11	LEAF SWITCH (MOTOR) (DECK B)	
S904	1-692-434-11	LEAF SWITCH (PLAY) (DECK B)	
S905	1-692-434-11	LEAF SWITCH (REC) (DECK B)	
△ T701	1-429-716-11	TRANSFORMER POWER (US,CND)	
△ T701	1-429-717-11	TRANSFORMER POWER (AEP,SP)	
△ T701	1-429-718-11	TRANSFORMER POWER (E,PX)	
△ T701	1-429-827-11	TRANSFORMER POWER (AUS)	

ACCESSORIES & PACKING MATERIALS			

	1-558-271-11	CORD, CONNECTION	
	3-856-686-11	MANUAL, INSTRUCTION (US,CND,AUS,SP) (ENGLISH)	
	3-856-686-21	MANUAL, INSTRUCTION (CND) (FRENCH)	
	3-856-686-31	MANUAL, INSTRUCTION (AEP,E,PX) (ENGLISH,FRENCH,SPANISH,CHINESE)	
	3-856-686-41	MANUAL, INSTRUCTION (AEP,SP) (GERMAN,DUTCH,SWEDISH,ITALIAN)	
*	3-936-921-01	CUSHION	
*	3-936-940-01	INDIVIDUAL CARTON (AEP,SP)	
*	3-936-941-01	INDIVIDUAL CARTON (EXCEPT AEP,SP)	

Ref. No.	Part No.	Description	Remark

HARDWARE LIST			

#1	7-682-548-04	SCREW +BVTT 3X8 (S)	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-621-255-45	SCREW +P 2X6 (E)	
#4	7-628-254-05	SCREW +PS 2.6X5	
#5	7-685-861-01	SCREW +BVTT 2.6X5 (S)	
#6	7-685-104-19	SCREW +P 2X6 TYPE2 NON SLIT	
#7	7-621-255-25	SCREW +PTT 2X4 (S)	
#8	7-685-782-01	SCREW +PTT 2X5 (S)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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