

SERVICE MANUAL

MODEL NO.

4 BAND STEREO RADIO
CASSETTE RECORDER

CS-770



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Code No. 29-770-000-92

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TYPE. AE, AK

DATE OF ISSUE 4/1982

SPECIFICATIONS

GENERAL

Semiconductors:	9 ICs, 46 transistors, 25 diodes, 11 LED's
Power source:	Batteries DC 13.5V (UM-1 or HP-2 x 9) Car battery (thru car adaptor) AE model AC 110 ~ 120V/220 ~ 240V switchable 50/60 Hz AK model AC 120V/240V switchable 50/60 Hz
Power consumption:	20W
Speakers:	160mmφ x 2 (Woofer) 50mmφ x 2 (Tweeter)
Dimension	588(W) x 310(H) x 192(D) mm
Weight:	6.6 kg

RADIO SECTION

Circuit:	Superheterodyne
Frequency range:	FM 87.4 ~ 108.3 MHz SW 5.8 ~ 18.5 MHz MW 515 ~ 1,650 kHz LW 145 ~ 320 kHz
Intermediate frequency:	FM 10.7 MHz MW, SW, LW 468 kHz ± 3.5 kHz
Sensitivity:	
(IHF, THD 3%)	FM 15 ± 4 dB (at 88 MHz) 17 ± 4 dB (at 100 MHz) 13 ± 4 dB (at 108 MHz)
(S/N 10 dB)	SW 28 ± 5 dB (at 5.9 MHz) 20 ± 5 dB (at 12.0 MHz) 15 ± 5 dB (at 18.0 MHz)
(S/N 10 dB)	MW 42 ± 4 dB (at 600 kHz) 42 ± 4 dB (at 1000 kHz) 42 ± 4 dB (at 1400 kHz)
(S/N 10 dB)	LW 52 ± 5 dB (at 150 kHz) 50 ± 5 dB (at 200, 300 kHz)
Image rejection:	FM 39 ± 5 dB (at 108.0 MHz) SW 6 ± 3 dB (at 18.0 MHz) MW 41 ± 5 dB (at 1400 kHz) LW 46 ± 4 dB (at 300 kHz)
IF rejection:	FM 73 ± 6 dB (at 88 MHz) MW 28 ± 4 dB (at 600 kHz) LW 32 ± 4 dB (at 300 kHz)
FM stereo separation:	19 ± 3 dB (at 1 kHz)

TAPE RECORDER SECTION

Tape speed:	4.8 cm/s. ± 3%
Recording system:	AC bias
Erasing system:	AC erase
Record bias frequency:	62 ± 0.5 kHz
Distortion:	Less than 1.5% (PB) Less than 1.5% (REC/PB)
Frequency response:	METAL tape: 35 ~ 16,000 Hz CrO ₂ tape: 35 ~ 13,000 Hz LH tape: 35 ~ 12,500 Hz
Signal to noise ratio:	More than 49/47 dB (Un-weighted) [DC/AC] (PB) More than 43/42 dB [DC/AC] (REC/PB)
Erasing ratio:	More than 60 dB
Separation:	More than 39 dB (REC/PB)
Output power:	More than 14W (7W + 7W)
FF & rewind time:	90 ± 5 s. (at C-60)
Automatic stop system:	Mechanical auto stop
Pinch roller pressure:	125 ± 15 g (1,225 ± 0.147 N)
Wow and flutter:	Less than 0.038% (WRMS)
Take-up torque:	35 ⁺¹⁵ ₋₅ g-cm (0.343 ^{+0.147} _{-0.049} mN-m)
FF & rewind torque:	110 ± 20 g (1,078 ± 0.196 mN-m)
Input terminal:	MIC 3.5φ jack x 2 PHONO/LINE IN pin jack x 2
Input sensitivity/impedance:	
	MIC 0.3 mV/3 kΩ
	LINE IN 300mV/47 kΩ
	PHONO 4 mV/47 kΩ
Output terminal:	LINE OUT pin jack x 2 EXT. SP 3.5φ jack x 2 PHONES 6.3φ jack

- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- Dolby and the  symbol are trademarks of Dolby Laboratories Licensing Corporation.
- Specifications and external appearance are subject to change without notice due to product improvement.

AIWA Co., Ltd. Tokyo Japan

PRECAUTIONS

Pay special attention to the following during work.

1. Remove 8 screws on the rear cabinet marked by arrows when removing the main cabinet. Be careful not to remove the cassette lid at this time. (See figure 1)
2. Be careful when removing the tuner PC Board so that the dial drum does not slip off the dial drum rest. (See figure 2)

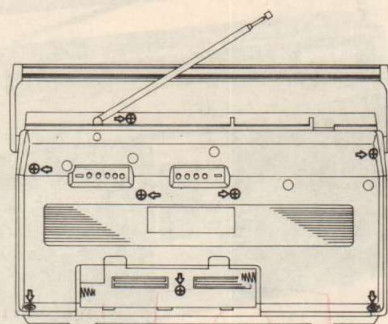


Fig. 1

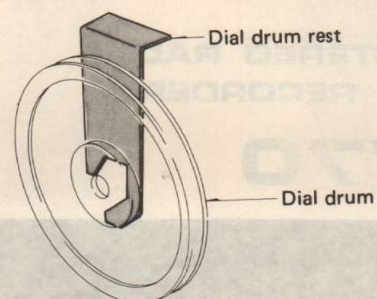


Fig. 2

3. Be sure to re-install the radio chassis after checking that the tuner PC Board is inserted into the rib of the rear lid. (See figure 3)

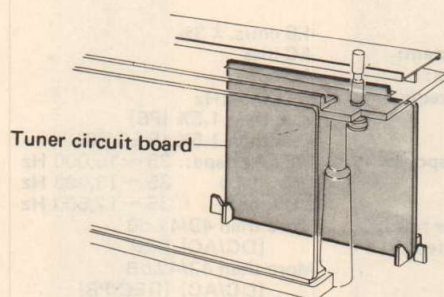


Fig. 3

REMOVING PARTS

1. Removing the Main Cabinet
 - 1) Remove 11 knobs and 8 screws. (See figure 1,4)

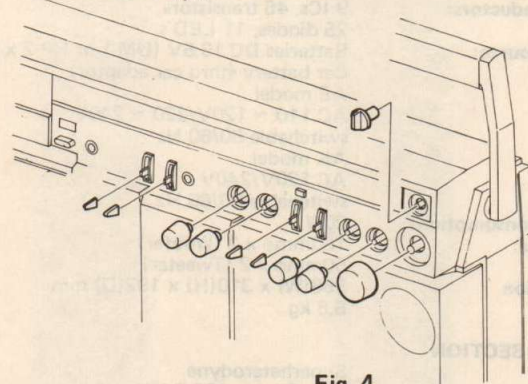


Fig. 4

- 2) Press the eject button, and put the set down with the cassette lid kept open. (See figure 5)

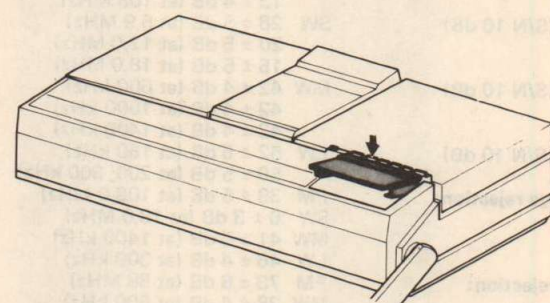


Fig. 5

- 3) Lift up the main cabinet. The mechanism, REC/PB PC Board and the tuner PC Board are fixed to the rear cabinet at that time. (See figure 6)

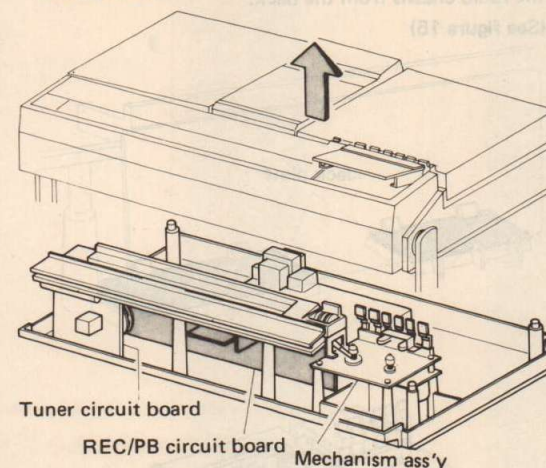


Fig. 6

- 4) Remove 2 nylon rivets to remove the MS PC Board. (See figure 7)

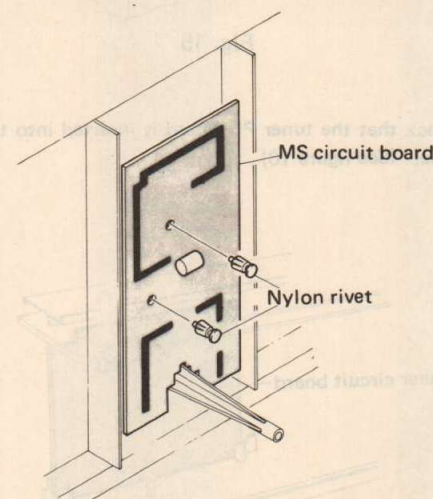


Fig. 7

- 5) Remove the speaker and ECM connectors. (See figure 8)

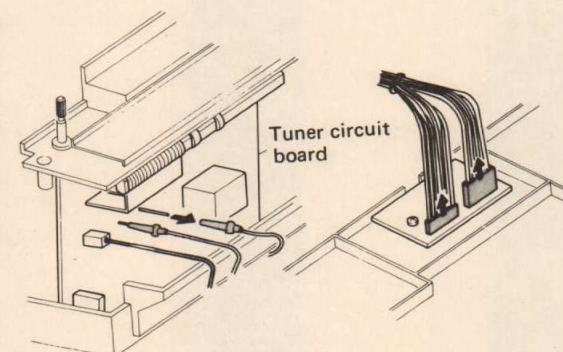


Fig. 8

2. Removing the Mechanism

- 1) Loosen the screw to remove the hook of the rod. (See figure 9)

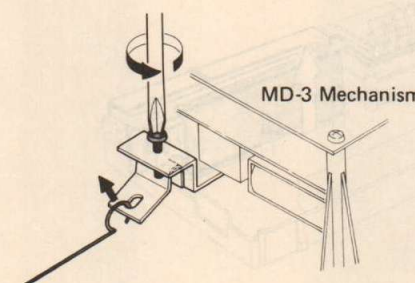


Fig. 9

- 2) Remove 4 screws. (See figure 10)

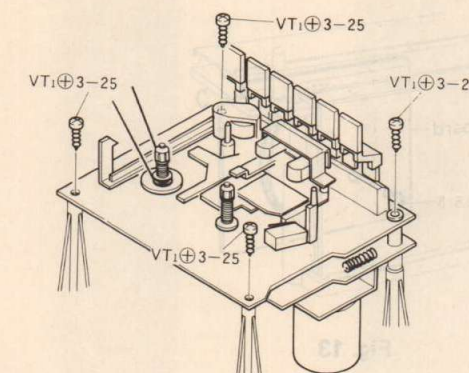


Fig. 10

3. Removing the Radio Chassis

- 1) Remove 3 screws. (See figure 11)

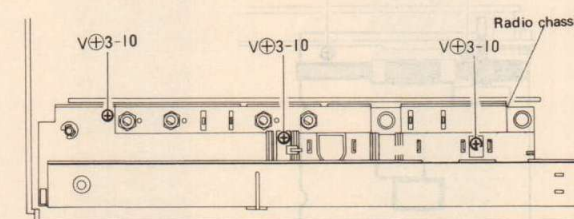


Fig. 11

- 3) Pull the radio chassis in the direction of the arrow.
(See figure 12)

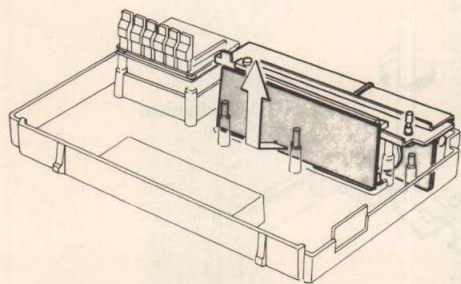


Fig. 12

4. Removing the Tuner PC Board

- 1) Remove the screw from the dial drum.
(See figure 13)

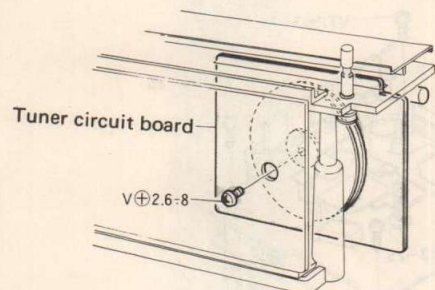


Fig. 13

- 2) Remove 2 screws.
(See figure 14)

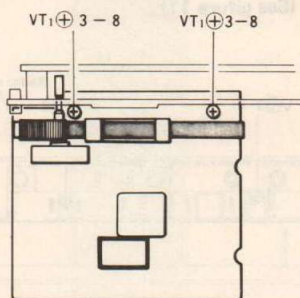


Fig. 14

5. Installing the Radio Chassis

- 1) Hook the jack plate to the tabs on the rear cabinet while paying attention to prevent the wire from engaging, and push up the radio chassis from the back.
(See figure 15)

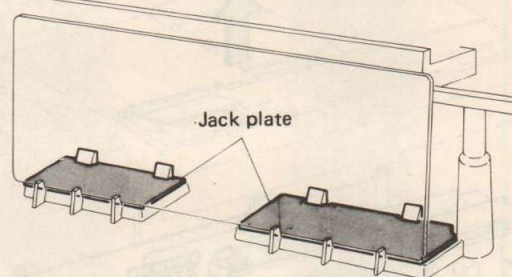


Fig. 15

Check that the tuner PC Board is inserted into the rib at that time. (See figure 16)

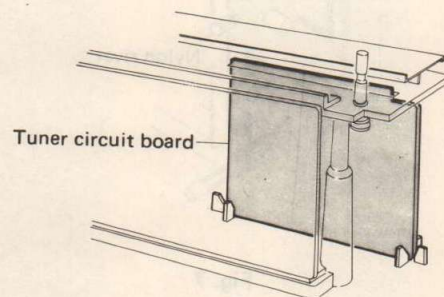
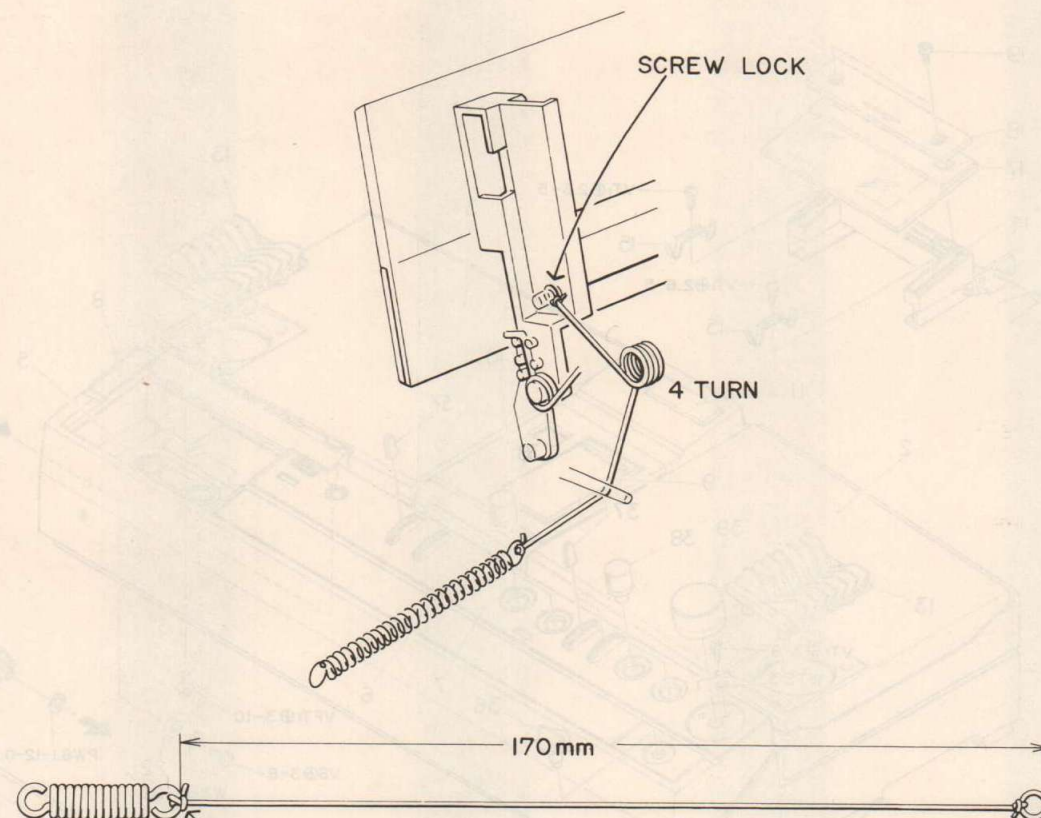
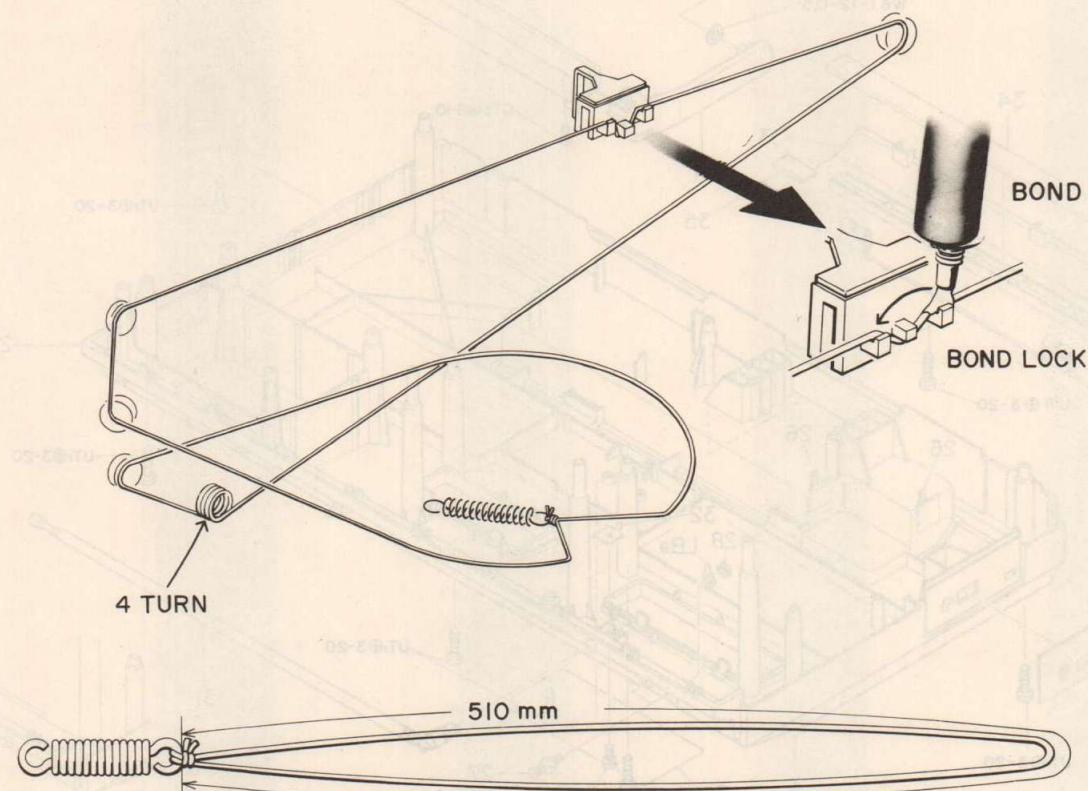


Fig. 16

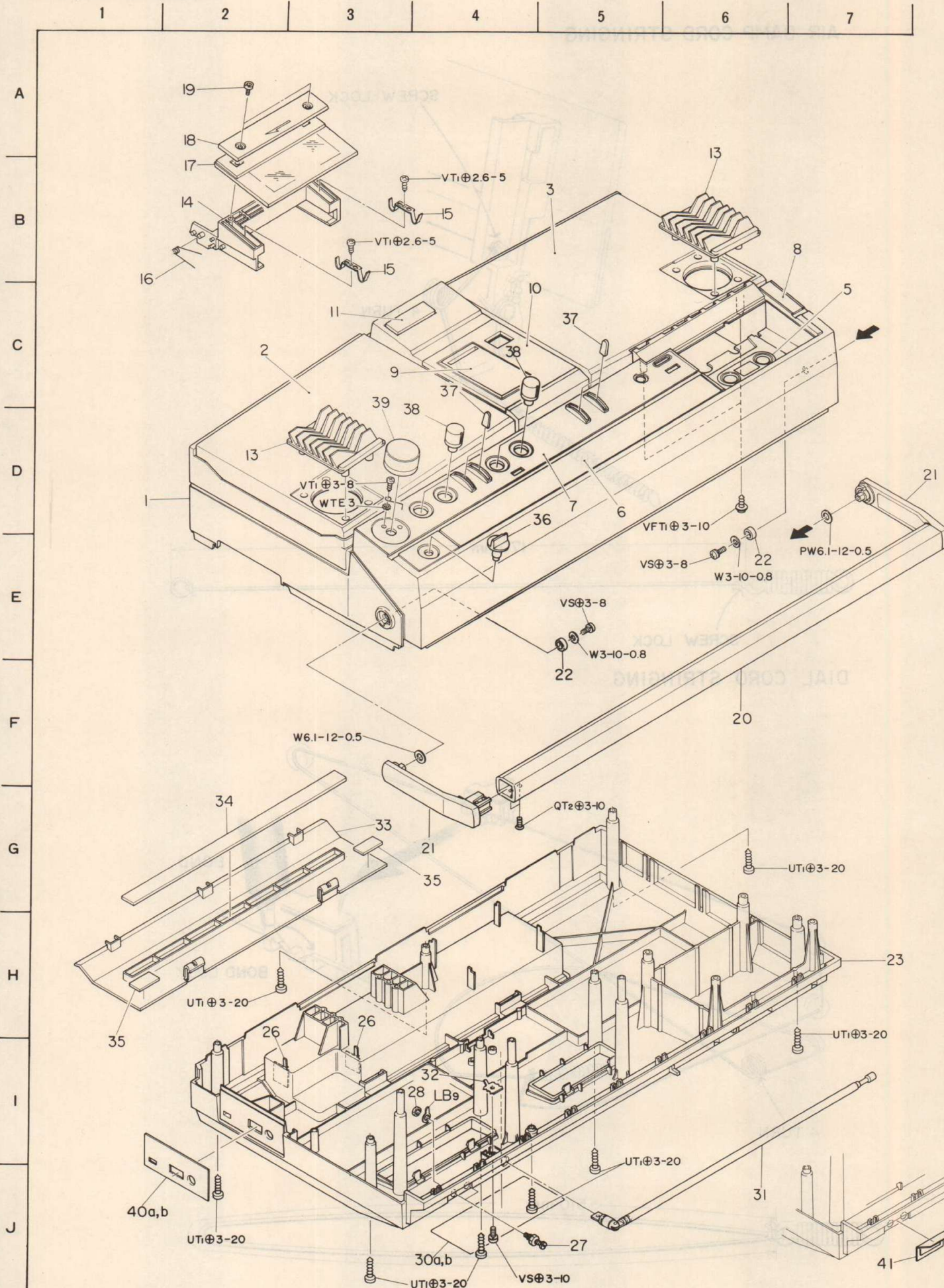
AIR DAMP CORD STRINGING



DIAL CORD STRINGING



EXPLODED VIEW-1



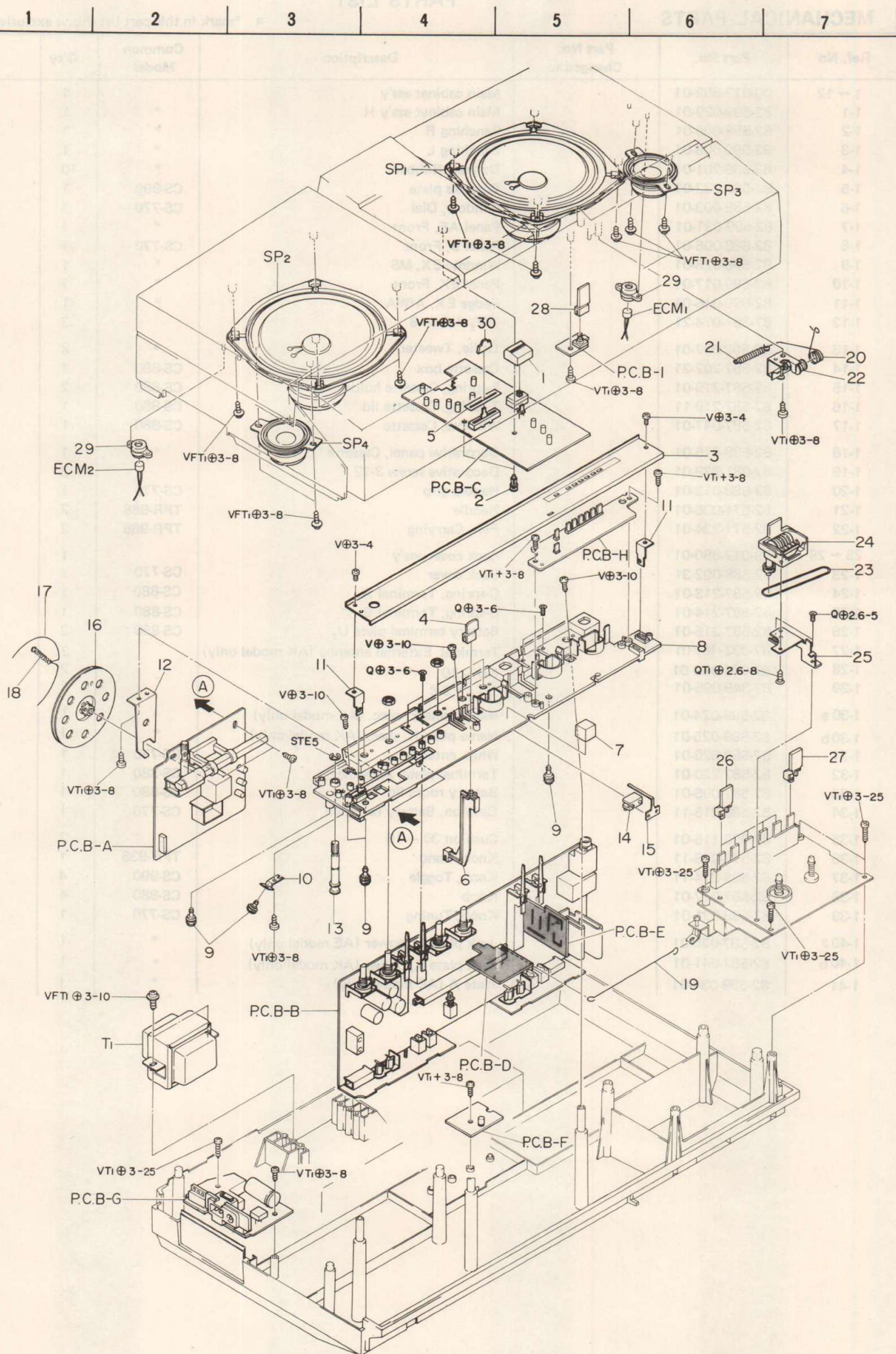
MECHANICAL PARTS

PARTS LIST

*mark in this part list shows exclusive part.

Ref. No	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1 ~ 12	09-017-892-01		Main cabinet ass'y		1
1-1	82-599-029-01		Main cabinet ass'y H	*	1
1-2	82-599-005-01		Punching R	*	1
1-3	82-599-006-01		Punching L	*	1
1-4	82-599-201-01		Danper, Rubber	*	10
1-5	82-563-032-01		Cassette plate	CS-990	1
1-6	82-588-003-01		Window, Dial	CS-770	1
1-7	82-599-031-01		Panel AE, Front	*	1
1-8	82-588-006-01		Panel B, Front	CS-770	1
1-9	82-599-026-01		Window EX, MS	*	1
1-10	82-599-017-01		Panel EX, Front	*	1
1-11	82-599-016-01		Badge EX, AIWA	*	1
1-12	87-351-074-21		UT ₁ + 2.6-8		3
1-13	82-599-007-01		Grille, Tweeter	*	2
1-14	82-587-202-21		Cassette box	CS-880	1
1-15	82-587-219-01		P-spring, Cassette holder	CS-880	2
1-16	82-587-218-11		T-spring, Cassette lid	CS-880	1
1-17	82-587-047-01		Window, Cassette	CS-880	1
1-18	82-599-015-01		Decorative panel, Cassette	*	1
1-19	87-081-979-01		Decorative screw 3-12		2
1-20	82-588-013-01		Handle grip	CS-770	1
1-21	82-571-036-01		Handle	TPR-968	2
1-22	82-571-234-01		Felt, Carrying	TPR-968	2
23 ~ 29	09-017-880-01		Back cover ass'y		1
1-23	82-588-002-31		Back cover	CS-770	1
1-24	82-587-213-01		C-spring, Terminal A	CS-880	1
1-25	82-587-214-01		C-spring, Terminal B	CS-880	1
1-26	82-587-215-01		Battery terminal plate U ₁	CS-880	2
1-27	87-033-167-01		Terminal, External antenna (AK model only)		2
1-28	87-081-980-01		N6 - 10		2
1-29	87-349-095-01		UT ₁ + 3-8		1
1-30 a	82-599-024-01		Name plate E, spec. (AE model only)	*	1
1-30 b	82-599-025-01		Name plate K, spec. (AK model only)	*	1
1-31	82-588-620-01		Whip antenna	CS-770	1
1-32	82-587-220-01		Terminal plate, Antenna	CS-880	1
1-33	82-587-005-01		Battery room lid	CS-880	1
1-34	82-588-215-11		Cushion, Battery room lid	CS-770	1
1-35	87-063-116-01		Cushion 30 - 15		2
1-36	82-577-018-11		Knob, Band	TPR-936	1
1-37	82-563-014-11		Knob, Toggle	CS-990	4
1-38	82-587-017-01		Knob	CS-880	4
1-39	82-588-021-01		Knob, Tuning	CS-770	1
1-40 a	82-587-025-01		Jack plate H, power (AE model only)	*	1
1-40 b	82-587-041-01		Jack plate K, power (AK model only)	*	1
1-41	82-599-034-01		Plate A (AE model only)	*	1

EXPLODED VIEW -2



ELECTRICAL MAIN PARTS LIST

Symbol No.	Part No.	Description
◀ TUNER CIRCUIT BOARD SECTION ▶		
PCB-A	82-599-613-01	Tuner circuit board
IC1	87-027-734-01	IC, HA12413
IC2	87-027-867-01	IC, TA7343P
Q1,2,4	89-319-233-01	Transistor, 2SC1923 (O)
Q3,6	89-307-103-01	Transistor, 2SC710 (C)
Q5	89-318-154-01	Transistor, 2SC1815 (Y)
Q7	89-318-156-01	Transistor, 2SC1815 (BL)
Q8	89-303-804-01	Transistor, 2SC380 (Y)
D1	87-017-004-01	Diode, SD-117
D2	87-027-226-01	Zener diode, RD5.6EB
L1,2	82-584-639-01	FM antenna coil
L3	82-576-670-01	SW antenna coil
L4,5	82-584-642-01	MW/LW bar antenna coil
L6	82-584-643-01	SW OSC coil
L7	82-563-663-01	MW OSC coil
L8	82-563-664-01	LW OSC coil
L9	87-008-209-01	Quad coil
VC1~4	87-011-129-11	PVC
TC1,2,4,7		
TC3,6		Trimmer, 8P
TC5		Trimmer, 30P
TC8	87-011-109-01	Trimmer, 15P
CF1,2	87-008-169-01	FM ceramic filter 230K
CF3	87-008-231-01	Ceramic filter CFM2-468BL
BPF1	87-030-081-01	Band pass filter 108
IFT1	87-008-232-01	IFT 468
IFT2	87-008-223-01	AM IFT
S1	82-588-635-01	Rotary switch (BAND SELECTOR)
SFR1	87-021-566-01	Semi-fixed resistor, 5KΩ-B
PIN1	87-049-044-01	Pin, 7P
	82-588-641-01	FM feeder cord
	87-032-981-01	Wire post
< Capacitors >		
C56	87-015-464-01	4.7μF 16V Electrolytic BP
C65,66	87-015-311-01	0.1μF 10V Aluminum solid
C33	87-014-035-81	120pF PP
C32	87-014-045-81	330pF PP
C59	87-014-057-41	1000pF PP
◀ REC/PB CIRCUIT BOARD SECTION ▶		
PCB-B	82-588-612-51	REC/PB circuit board
IC101,102	87-027-539-01	IC, LA3161
IC103,104	87-027-754-01	IC, LM1111C
IC105	87-027-540-01	IC, AN7146
Q101,102,105,106,121,122,123,124,125,126,127,128,129,130,131,132,137,138	89-318-154-01	Transistor, 2SC1815 (Y)
Q103,104	89-318-432-01	Transistor, 2SC1843 (F)
Q107,108	89-318-155-01	Transistor, 2SC1815 (GR)
Q133,134	89-320-011-21	Transistor, 2SC2001 (K)
Q139	89-318-464-01	Transistor, 2SC1846 (R)
D101,102,107,108,109,110,111,112,113,114,117,118,120,121	87-027-097-01	Diode, 1S1555
D103,104	88-052-188-11	Diode, 1S188 (FM)
D115	87-027-346-01	Zener diode, HZ11A2L
D116	87-027-584-01	Zener diode HZ9LC1
D119	87-027-393-01	Zener diode, HZ4C2

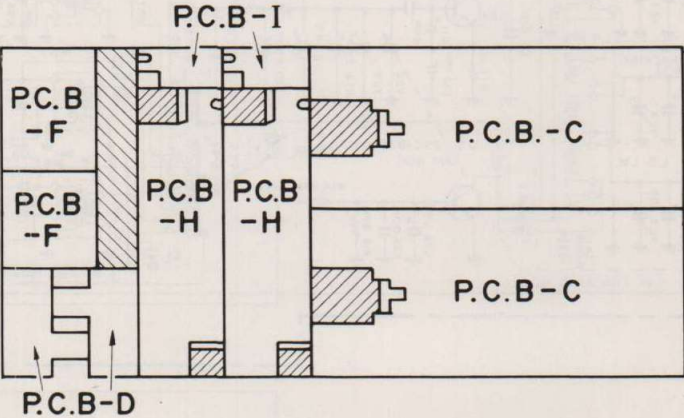
Symbol No.	Part No.	Description
L101,102,103,104	82-487-654-01	Bias trap coil
L107	82-401-661-01	Choke coil, 600μH
L108	87-003-039-01	Choke coil, 36μH
CP101	82-587-641-11	Bias OSC unit
LPF101	87-030-070-01	Low-pass filter
J1,2,3,4	82-588-624-01	Jackplate ass'y (PHONO/LINE IN MIC)
J5,6,7,8	82-588-626-01	Jackplate ass'y (LINE OUT, EXT SP)
J10	87-049-043-01	Jack, 6,3φ (PHONES)
VR103,104,105,106	87-021-668-01	Volume, 50kΩ-A (TREBLE, BASS)
VR107,108	87-021-667-01	Volume, 20kΩ-A (VOLUME)
VR109	87-021-669-01	Volume, 100kΩ-W (BALANCE)
S2	87-031-621-01	Lever switch (FUNCTION)
S3	82-588-622-21	Lever switch (REC/PB)
S4	87-031-631-01	Lever switch (TAPE SELECTOR)
S6	82-563-609-01	Slide switch (PHONO/LINE IN)
S7	87-031-622-01	Lever switch (MODE)
S8	87-031-619-01	Push-switch (DOLBY-NR)
S9	87-031-620-01	Lever switch (SLEEP)
S13	82-431-604-01	Slide switch (OSC)
SFR101,102	82-587-634-01	Semi-fixed resistor, 100Ω-B
SFR107,108	87-021-624-01	Semi-fixed resistor, 50kΩ-B
< Resistors >		
R243,244,285	87-025-313-01	4.7Ω 1/2W Nonflammable
R282	87-025-316-01	100Ω 1/2W Nonflammable
R291	87-025-321-01	22Ω 2W Metal film
R183,184	87-025-209-01	3.3kΩ ±1% Metal film
R286	87-029-108-01	1Ω 1/2W Fuse resistor
R262	87-029-060-01	33Ω 1/4W Fuse resistor
< Capacitors >		
C175,176	87-015-311-01	0.1μF 10V Aluminum solid
C215,216	87-015-367-01	0.15μF 10V Aluminum solid
C207,208	87-015-312-01	0.22μF 10V Aluminum solid
C217,218	87-015-313-01	0.33μF 10V Aluminum solid
279,280	87-014-053-81	680pF PP
C197,198		
275,276		
C117,118	87-014-055-01	820pF PP
◀ DSL CIRCUIT BOARD SECTION ▶		
PCB-C	*	DSL circuit board
IC301	87-027-176-01	IC, TA-7137P
Q301,302,303,304,305	89-318-154-01	Transistor, 2SC1815 (Y)
D411	87-027-731-01	LED, SG535D (REC)
D412	87-027-732-01	LED, SG235D (DOLBY-NR)
D414	87-027-733-01	LED, SY435 (DSL)
VR301	82-599-607-01	Slide volume, 20kΩ-D (DSL CONTROL)
S18	87-031-662-01	Push-switch (DSL)
< Capacitors >		
C309	87-015-311-01	0.1μF 10V Aluminum solid
C308	87-015-313-01	0.33μF 10V Aluminum solid
◀ ALC CIRCUIT BOARD SECTION ▶		
PCB-D	*	ALC circuit board
Q601,602,603,604	89-318-154-01	Transistor, 2SC1815 (Y)
D601,602	87-027-097-01	Diode, 1S1555
PIN	87-032-634-01	Pin, 4P

Symbol No.	Part No.	Description
◀ REC AMP CIRCUIT BOARD SECTION ▶		
PCB-E	82-588-617-11	REC circuit board
Q117,118,119,120	89-318-154-01	Transistor, 2SC1815 (Y)
L105,106	87-005-088-01	Micro inductor, 5,6mH
SFR103,104	87-021-672-01	Semi-fixed resistor, 50kΩ-B
< Capacitor >		
C181,182	87-015-312-01	0.22μF 10V Aluminum solid
◀ RELAY CIRCUIT BOARD SECTION ▶		
PCB-F	*	Relay circuit board section
D1	87-027-097-01	Diode, 1S1555
PIN2	82-481-647-01	Pin, 4P
PIN3	87-049-044-01	Pin, 7P
◀ POWER CIRCUIT BOARD SECTION ▶		
PCB-G	82-551-672-21	Power circuit board
D501	87-027-315-01	Encapsulated diode, S2VB
J11,12	87-032-929-01	DC, AC jack (DC13.5V, AC)
S20	87-031-466-01	Slide switch (VOLTAGE SELECTOR)
F1	87-035-190-01	Fuse, "T" 2A
F2	87-098-019-01	Fuse label, "T" 2A
	87-035-186-01	Fuse, "T" 125mA
	87-098-007-01	Fuse label, "T" 125mA
	87-033-147-01	Fuse clamp
< Resistor >		
R501	87-025-194-01	220Ω 2W Metal film
< Capacitor >		
C501	87-015-657-01	2200μF 25V Electrolytic
◀ INDICATOR CIRCUIT BOARD SECTION ▶		
PCB-H	*	Indicator circuit board
IC1	87-027-812-01	IC, IR2E01
D1,2,3,4,5	87-027-813-01	LED, SLP166P (5LED METER)
D6,7	87-027-847-01	LED, SLP155B (OPERATE/BATT, TUNING)
D8	87-027-731-01	LED, SR535D (STEREO)
SFR1	87-021-358-01	Semi-fixed resistor
◀ SWITCH CIRCUIT BOARD SECTION ▶		
PCB-I	*	Switch circuit board
S10	86-992-604-01	Push-switch (REC MUTE)
◀ MISCELLANEOUS ▶		
T1	82-588-638-01	Power transformer
RPH	82-046-159-01	REC/PB head
EH	87-046-189-01	Erase head
SP1,2	82-588-601-01	Speaker (Woofer)
SP3,4	82-571-645-01	Speaker (Tweeter)
M1	87-045-135-01	Motor, DC EG
ECM1,2	87-041-015-01	ECM, ESM-10PB
L1	87-033-167-01	Antenna terminal (AK model only)
	87-003-039-01	Choke coil, 36μH
S14	87-031-548-01	Leaf switch (MOTOR)
S15	87-031-537-01	Micro switch (POWER)
S16	87-031-649-01	Leaf switch (FF/REW MUTING)
S17	87-031-361-01	Leaf switch (PAUSE)
CON2	82-588-611-01	4P connector ass'y
CON1	82-588-610-01	7P connector ass'y
CON3	82-588-608-01	7P connector ass'y
< Capacitor >		
C1,2	87-015-590-01	3.3μF 50V Electrolytic BP

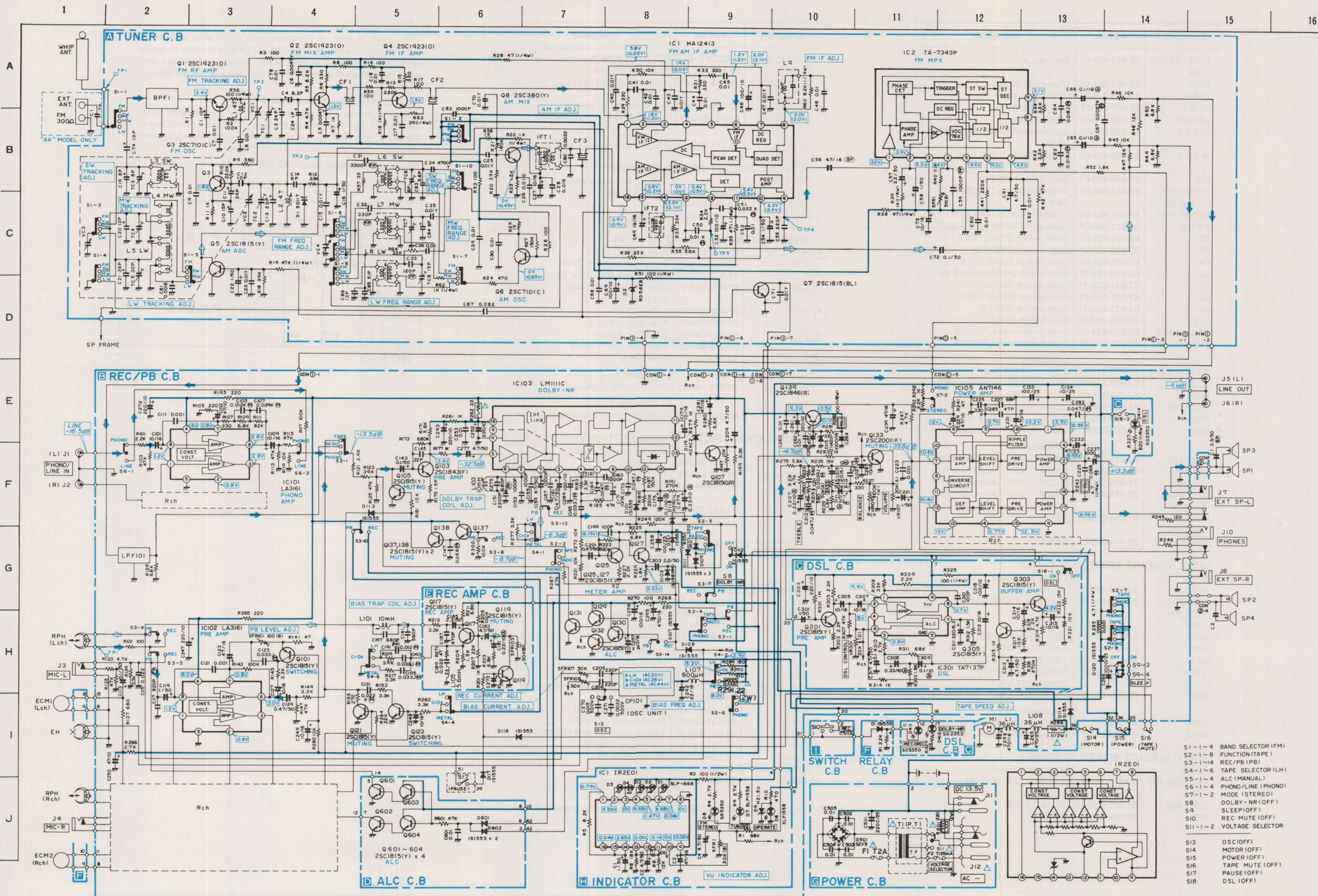
 Safety component symbol
This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

Note; Combination Circuit Board
The parts on the electrical parts list which are indicated by an asterisk (*) are supplied as one single combined circuit board. Therefore, they will not be supplied separately. If this becomes necessary, please order the entire circuit board.

Combination circuit board 82-599-601-11

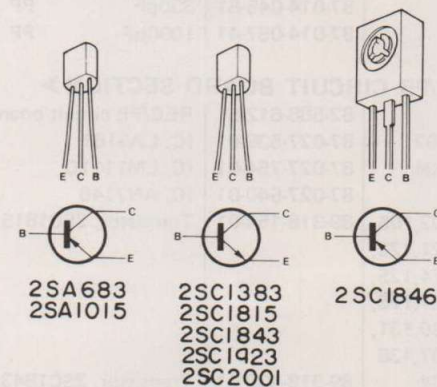


SCHEMATIC DIAGRAM



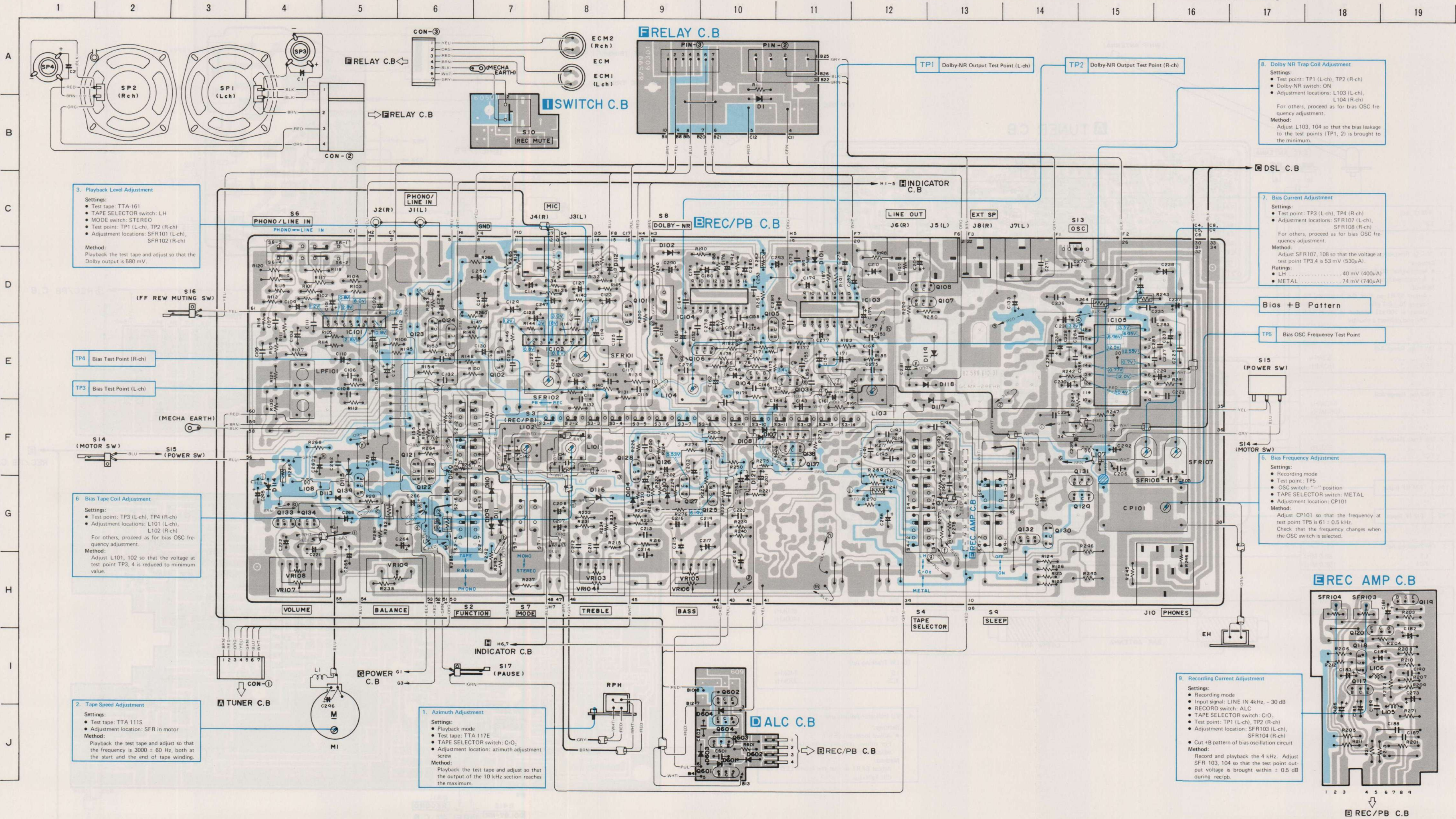
NOTES:

- 1) B (+) power supply
 - 2) Signal path
 - 3) The voltage is the reference value measured with a tester (20 k-ohms/V DC) when there are no signals. But () is with AM reception or recording. An asterisk (*) indicates that the value was measured with a vacuum-tube voltmeter during recording.
 - 4) Resistors with no designation have a rated power of 1/8W and a tolerance of $\pm 5\%$.
 - 5) Capacitors with no designation have a dielectric strength of less than 50V.
 - 6) The only capacitor tolerance indicated are $\pm 5\%$ (J) and $\pm 10\%$ (K).
 - 7) Ceramic capacitor symbols:
 - For temperature compensation (SL)
 - High dielectric constant system (YY)
 - High dielectric constant system (YW, YP, YZ)
 - For temperature compensation (SH)
 - 8) Explanation of symbols:
 - Mylar capacitor
 - Aluminum solid capacitor
 - Polypropylene film capacitor
 - Bi-polarized capacitor
 - Fuse resistor
 - Nonflammable resistor
- ⚠ Safety component symbol
This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.
- This schematic diagram is subject to change without notice in the interests of improved performance.

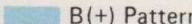
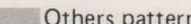


- S1-1~4 BAND SELECTOR (FM)
S2-1~8 FUNCTION (TAPE)
S3-1~4 REC/PB (PB)
S4-1~6 TAPE SELECTOR (LH)
S5-1~4 ALC (MANUAL)
S6-1~4 PHONO/LINE (PHONO)
S7-1~2 MODE (STEREO)
S8 DOLBY-NR (OFF)
S9 SLEEP (OFF)
S10 REC MUTE (OFF)
S11-1~2 VOLTAGE SELECTOR
- S13 OSC (OFF)
S14 MOTOR (OFF)
S15 POWER (OFF)
S16 TAPE MUTE (OFF)
S17 PAUSE (OFF)
S18 DSL (OFF)

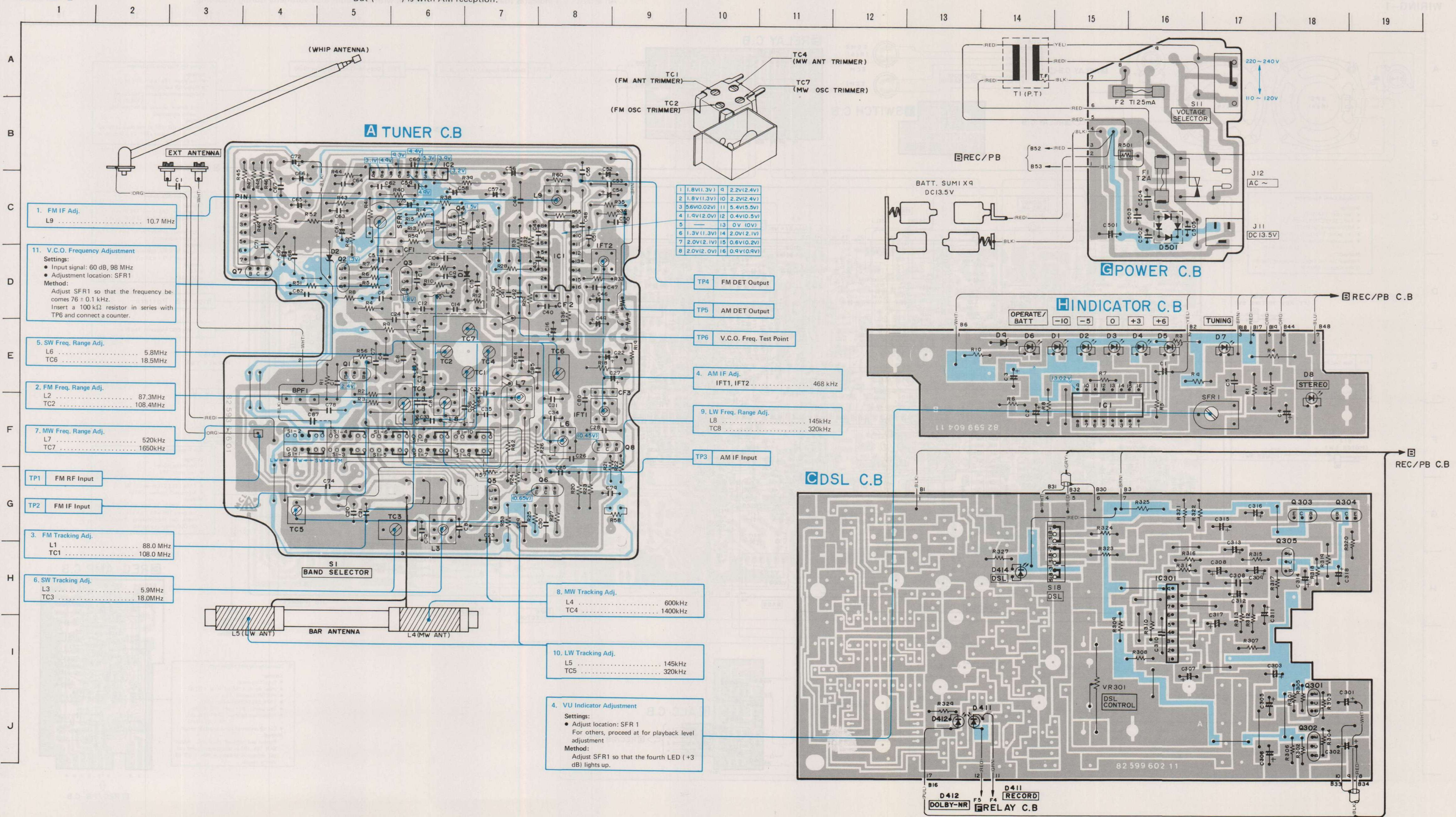
WIRING-1



NOTES (1) B(+) Pattern Others pattern
(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.
An asterisk (*) indicates that the value was measured with a vacuum-tube voltmeter during recording.

- NOTES (1)  B(+) Pattern  Others pattern
- (2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.
But () is with AM reception.

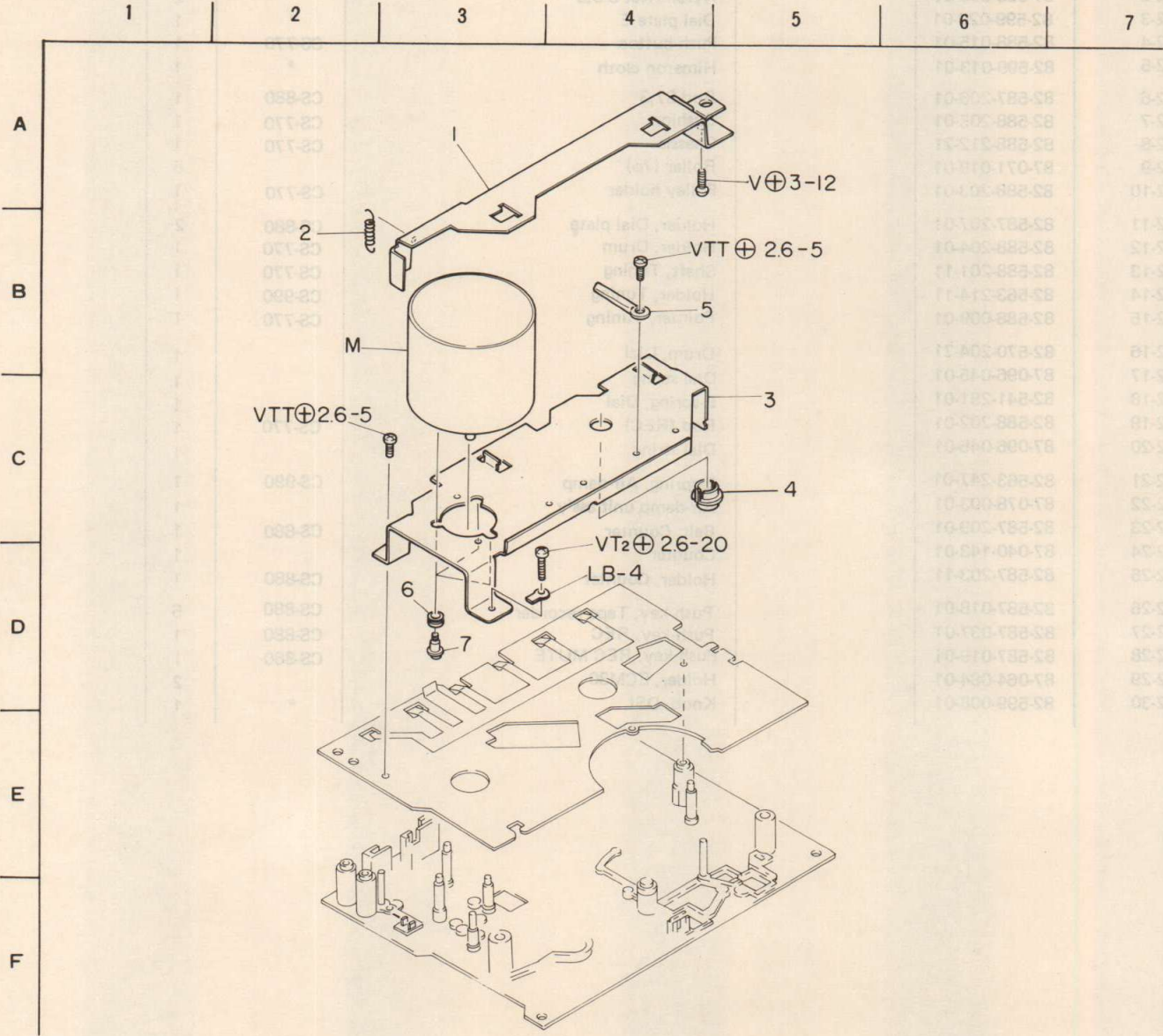
WIRING-2



Ref. No.	Part No.	Part No. Change to	Description	Common Model	Q'ty
2-1	82-588-022-21		Button, Low-boost	CS-770	1
2-2	87-085-090-01		Nylon rivet 3-6.5		2
2-3	82-599-020-01		Dial plate E	*	1
2-4	82-588-015-01		Push button	CS-770	1
2-5	82-599-013-01		Himeron cloth	*	1
2-6	82-587-206-01		Rod 87.3	CS-880	1
2-7	82-588-205-01		Cushion	CS-770	1
2-8	82-588-212-21		Chassis	CS-770	1
2-9	87-071-019-01		Roller (7φ)		5
2-10	82-588-203-01		Pulley holder	CS-770	1
2-11	82-587-207-01		Holder, Dial plate	CS-880	2
2-12	82-588-204-01		Holder, Drum	CS-770	1
2-13	82-588-201-11		Shaft, Tuning	CS-770	1
2-14	82-563-214-11		Holder, Tuning	CS-990	1
2-15	82-588-009-01		Pointer, Tuning	CS-770	1
2-16	82-570-204-21		Drum, Dial		1
2-17	87-096-045-01		Dial string		1
2-18	82-541-291-01		E-spring, Dial		1
2-19	82-588-202-01		Rod (REC)	CS-770	1
2-20	87-096-045-01		Dial string		1
2-21	82-563-247-01		E-spring, Air-damp	CS-990	1
2-22	87-078-003-01		Air-damp unit ass'y		1
2-23	82-587-209-01		Belt, Counter	CS-880	1
2-24	87-040-143-01		Counter		1
2-25	82-587-203-11		Holder, Counter	CS-880	1
2-26	82-587-018-01		Push-key, Tape recorder	CS-880	5
2-27	82-587-037-01		Push-key, REC	CS-880	1
2-28	82-587-019-01		Push-key, REC MUTE	CS-880	1
2-29	87-064-084-01		Holder, ECM30		2
2-30	82-599-008-01		Knob, DSL	*	1

EXPLODED VIEW-3

As the MD-3 Mechanism is adopted in this model, the exploded view is omitted --- See the supplement MD-3 Mechanism manual in case of repair and parts order.
The following is the exploded view of the exclusive mechanism and the motor attachments. The part-code list of such is described as well.



ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1	82-599-855-01		Printed indiv., Packing	*	1
2	82-588-852-11		Cushion L, Printed indiv.	CS-770	1
3	82-588-853-11		Cushion R, Printed indiv.	CS-770	1
4	87-056-615-01		Poly-vinyl sack (for case)		1
5	87-056-535-01		Air cap sack (AE model only)		1
6	82-599-905-01		Instructions booklet	*	1
7	87-051-171-11		Poly-vinyl sack		1
8	87-056-009-51		Distributors list		1
9	82-916-790-01		Tape cassette, DMC-166NR		1
10 a	87-034-883-01		AC power cord set (AE model only)		1
10 b	87-034-871-01		AC power cord set (AK model only)		1
11	87-056-016-01		Tag, Main voltage (AK model only)		1
12	87-056-008-11		Label, AC power cord (AK model only)		1

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	82-587-228-01		Slide plate REC ass'y	CS-880	1
3-2	82-587-241-01		E-spring, Slide plate	CS-880	1
3-3	82-585-281-01		Holder, Motor		1
3-4	82-585-326-11		Thrust bearing B		1
3-5	87-038-039-01		Wire binder		1
3-6	87-087-029-01		Rubber cushion		3
3-7	87-081-483-01		Motor screw, M2.6		3