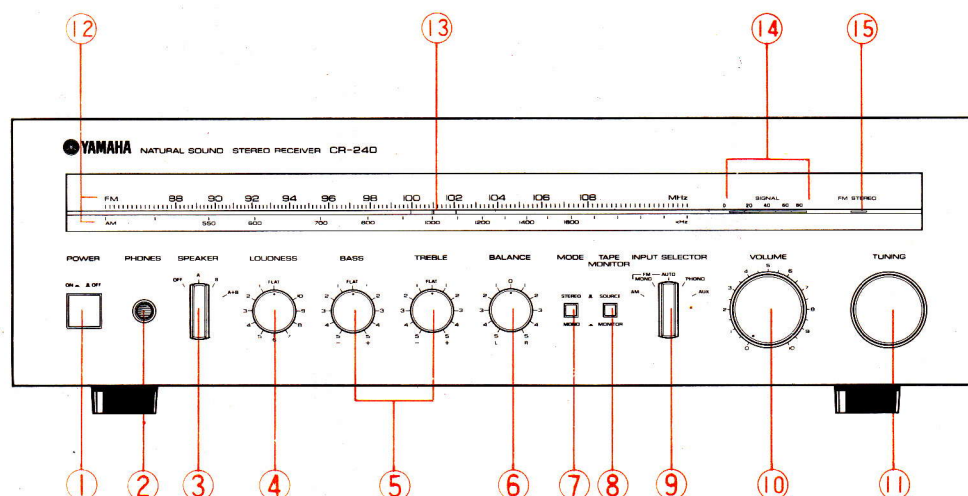


CR-240

SERVICE MANUAL

FRONT PANEL



- | | |
|--------------------------|-------------------------|
| ① POWER SWITCH | ⑨ INPUT SELECTOR SWITCH |
| ② PHONES JACK | ⑩ VOLUME CONTROL |
| ③ SPEAKER SWITCH | ⑪ TUNING KNOB |
| ④ LOUDNESS CONTROL | ⑫ FM/AM TUNING SCALES |
| ⑤ BASS & TREBLE CONTROLS | ⑬ TUNING INDICATOR |
| ⑥ BALANCE CONTROL | ⑭ SIGNAL INDICATOR |
| ⑦ MODE SWITCH | ⑮ FM STEREO INDICATOR |
| ⑧ TAPE MONITOR SWITCH | |

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WIRING/P.CIRCUIT BOARD	9
SCHEMATIC DIAGRAM	10
PARTS LIST	

004391

SINCE 1887



YAMAHA

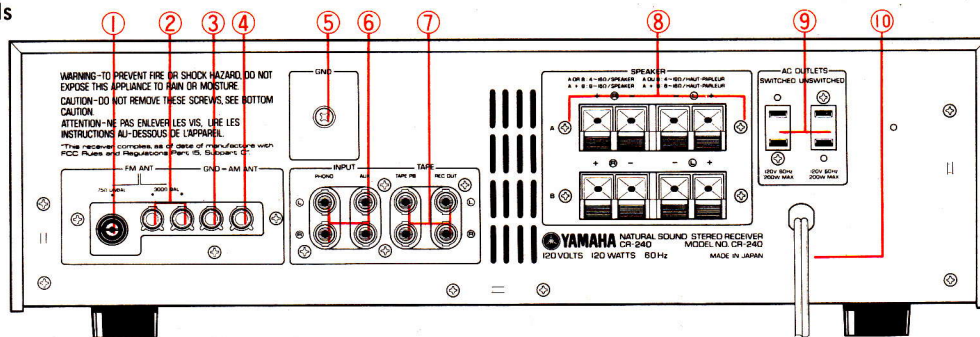
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

Printed in Japan '79 JUN. 2.32K

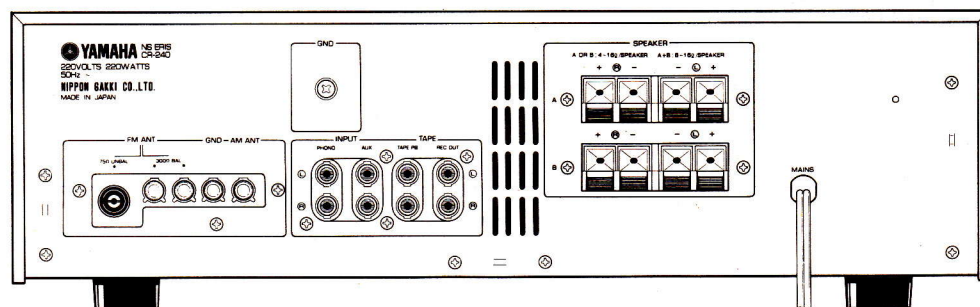


REAR PANEL

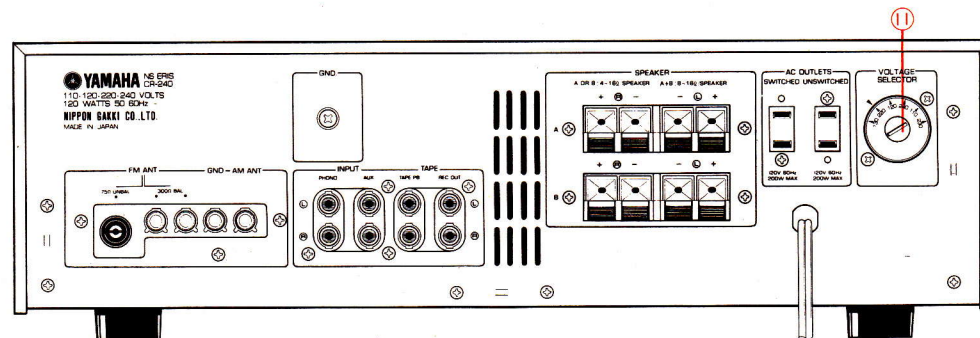
U,S,A and Canadian Models



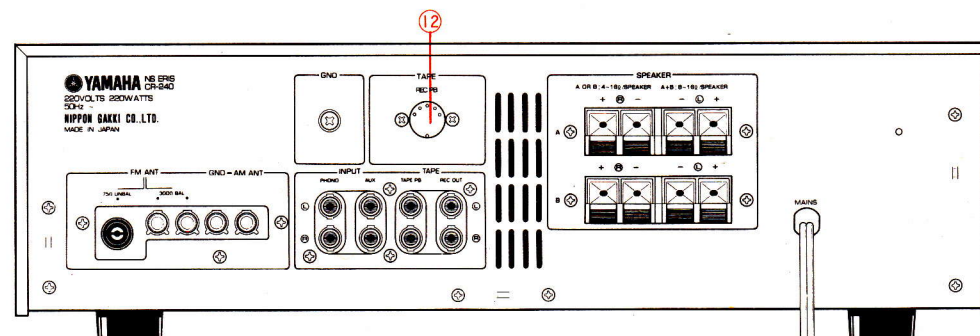
Australian and British Models



General Model



North European Model



- ① FM ANTENNA TERMINAL (75 Ω)
- ② FM ANTENNA TERMINAL (300 Ω)
- ③ AM GROUND TERMINAL
- ④ AM ANTENNA TERMINAL
- ⑤ GROUND TERMINAL
- ⑥ INPUT JACKS (PHONO, AUX)

- ⑦ TAPE PB/REC JACKS
- ⑧ SPEAKERS TERMINAL
- ⑨ AC OUTLETS
- ⑩ AC POWER CORD
- ⑪ VOLTAGE SELECTOR
- ⑫ TAPE PB/REC JACK (DIN)

DISASSEMBLY PROCEDURES

1. Top Cover Removal

Remove screws (1) to (4) in photo 1, slide the top cover slightly toward the rear panel and remove it.

2. Bottom Cover Removal

Turn the set over, remove screws (5) to (12), and then the bottom cover can be removed.

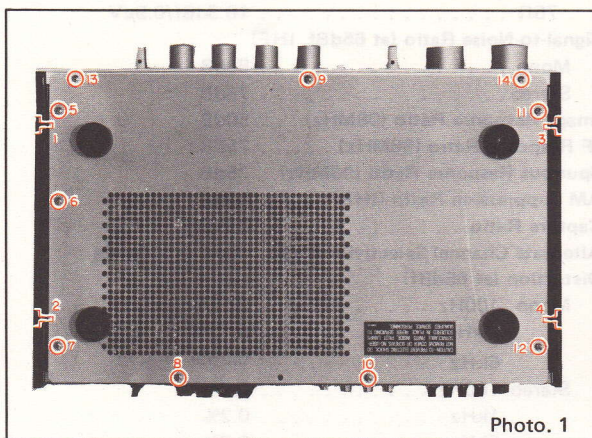


Photo. 1

3. Front Panel Removal

- Remove the top cover. (Refer to step 1)
- Remove screws (9), (13), and (14) in photo 1.
- Remove each knob provided on the panel.
- Remove screws (1) to (5) in photo 2.
- * Screws (2) to (4) in photo 2 are for flange fixation, but when removing the panel, remove it together.
- Pull the front panel toward you under this condition and remove it.

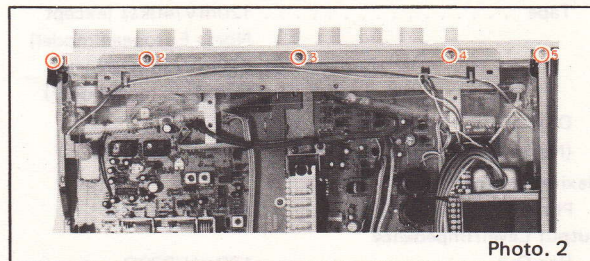


Photo. 2

4. Rear Panel Removal

- Remove the top cover. (Refer to step 1)
- Remove the bottom cover. (Refer to step 2)
- Remove screws (1) to (19) in photo 3.
- Remove the AC outlet lead wire.

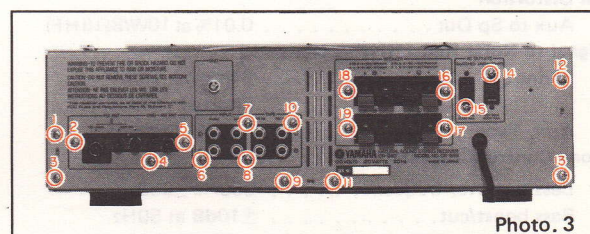
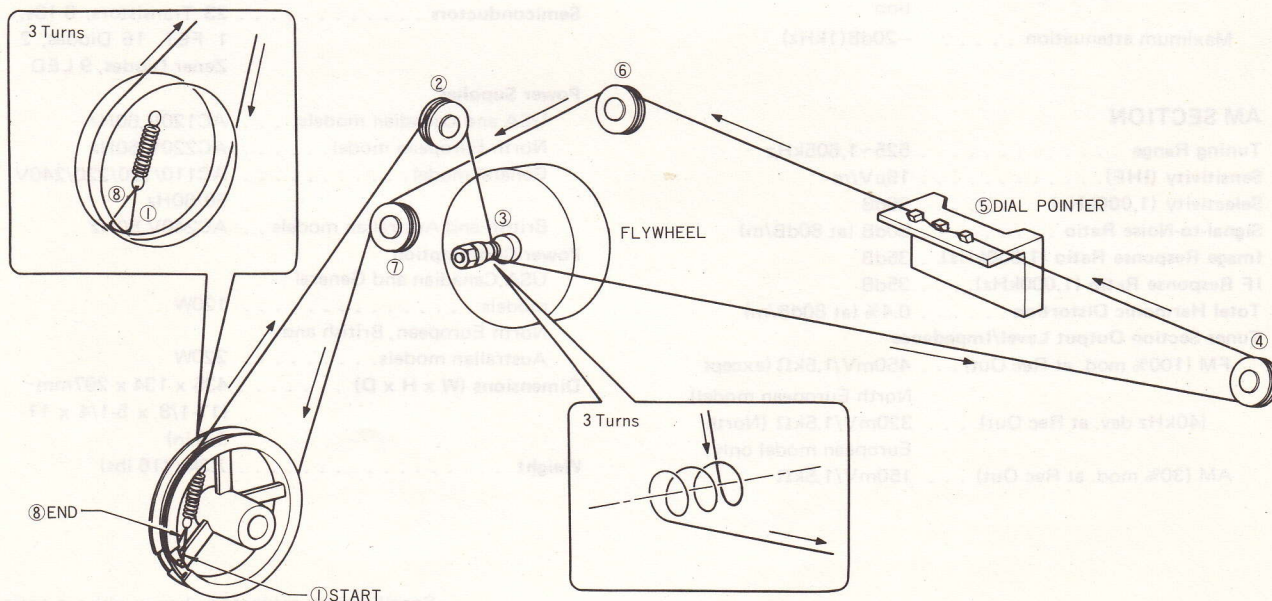


Photo. 3

DIAL MECHANISM



SPECIFICATIONS

AUDIO SECTION

Output Power (0.02% T-H-D, IHF)

Continuous R-M-S Power (both channels driven)

20Hz~20kHz	20W (8Ω)
1kHz	23W (8Ω)
1kHz	28W (4Ω)

Power Bandwidth 10Hz~40kHz

Damping Factor (at 1kHz) better than 40(8Ω)

Input Sensitivity/Impedance

Phono	2.5mV/47kΩ
Aux	120mV/40kΩ
Tape	120mV/40kΩ (except North European model) 120mV/38kΩ (North European model only)

DIN

(North European model only) . . 120mV/38kΩ

Maximum Input Level

Phono	120mV at 1kHz
-------	---------------

Output Level/Impedance

Rec Out	120mV/330Ω
---------	------------

Frequency Response

Phono RIAA deviation	30Hz~15kHz ±0.5dB
Aux, Tape and DIN	(North European model only) . . 20Hz to 20kHz±0.5dB

Total Harmonic Distortion (20Hz~20kHz 8Ω)

Phono	0.04% at 10W
Aux, Tape	0.01% at 10W

IM Distortion

Aux to Sp Out	0.01% at 10W/8Ω (IHF)
---------------	-----------------------

Signal-to-Noise Ratio (IHF-A Network)

Phono	94dB for 10mV, Shorted
Aux, Tape	100dB, Shorted

Tone Control Characteristics

Bass turnover frequency	350Hz ±3dB
Bass boost/cut	±10dB at 50Hz
Treble turnover frequency	3.5kHz ±3dB
Treble boost/cut	±10dB at 20kHz

Loudness Control Characteristics

Maximum attenuation	—20dB(1kHz)
---------------------	-------------

AM SECTION

Tuning Range 525~1,605kHz

Sensitivity (IHF) 15μV/m

Selectivity (1,000kHz) 25dB

Signal-to-Noise Ratio 50dB (at 80dB/m)

Image Response Ratio (1,000kHz) . . 35dB

IF Response Ratio (1,000kHz) . . . 35dB

Total Harmonic Distortion 0.4% (at 80dB/m)

Tuner Section Output Level/Impedance

FM (100% mod. at Rec Out)	450mV/1.5kΩ (except North European model)
(40kHz dev. at Rec Out)	320mV/1.5kΩ (North European model only)
AM (30% mod. at Rec Out)	150mV/1.5kΩ

FM SECTION

Tuning Range 88~108MHz

50dB Quieting Sensitivity

Mono	16dBf (3.5μV/300Ω, 1.75μV/75Ω)
Stereo	37.2dBf (40μV/300Ω, 20μV/75Ω)

Usable Sensitivity (IHF Mono 98MHz)

300Ω	10.3dBf/1.8μV
75Ω	10.3dBf/0.9μV

Signal-to-Noise Ratio (at 65dBf, IHF)

Mono	80dB
Stereo	76dB

Image Response Ratio (98MHz) . . . 50dB

IF Response Ratio (98MHz) 75dB

Spurious Response Ratio (98MHz) . . 75dB

AM Suppression Ratio (IHF) 55dB

Capture Ratio 1.5dB

Alternate Channel Selectivity (IHF) . 65dB (±400kHz)

Distortion (at 65dBf)

Mono 100Hz	0.15%
1kHz	0.15%
6kHz	0.25%
Stereo 100Hz	0.2%
1kHz	0.2%
6kHz	0.6%

Intermodulation Distortion (IHF)

Mono	0.1%
Stereo	0.2%

Stereo Separation

50Hz	35dB
1kHz	45dB
10kHz	40dB

Frequency Response

50Hz~10kHz	±0.5dB
30Hz~15kHz	±1.5dB

Sub-Carrier Product Ratio 55dB

Muting Threshold 5μV

GENERAL

Semiconductors 23 Transistors, 8 ICs,
1 FET, 16 Diodes, 2
Zener Diodes, 9 LED

Power Supplies

USA and Canadian models	AC120V, 60Hz
North European model	AC220V, 50Hz
General model	AC110/120/220/240V, 50/60Hz
British and Australian models	AC240V, 50Hz

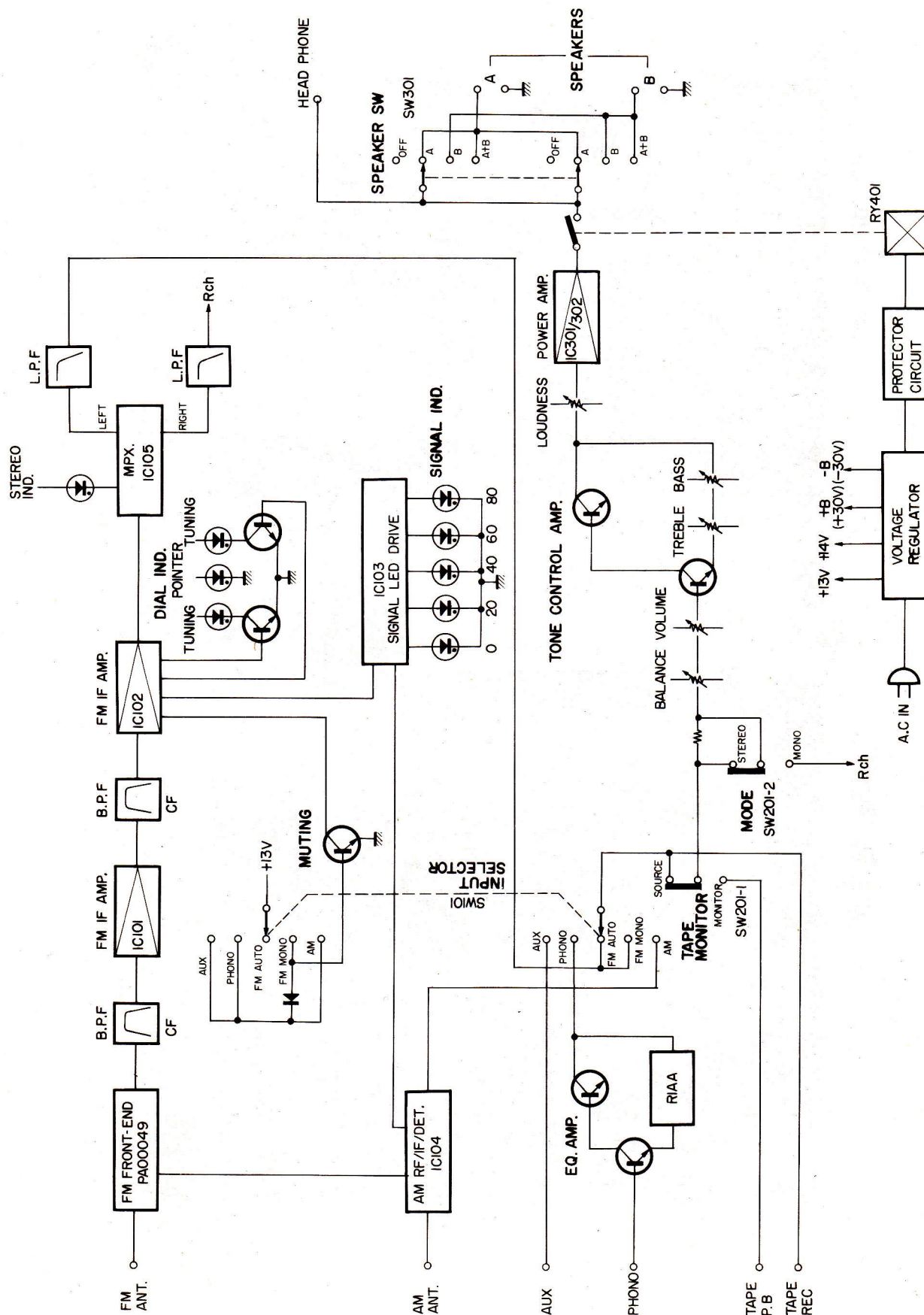
Power Consumption

USA, Canadian and General models	120W
North European, British and Australian models	220W

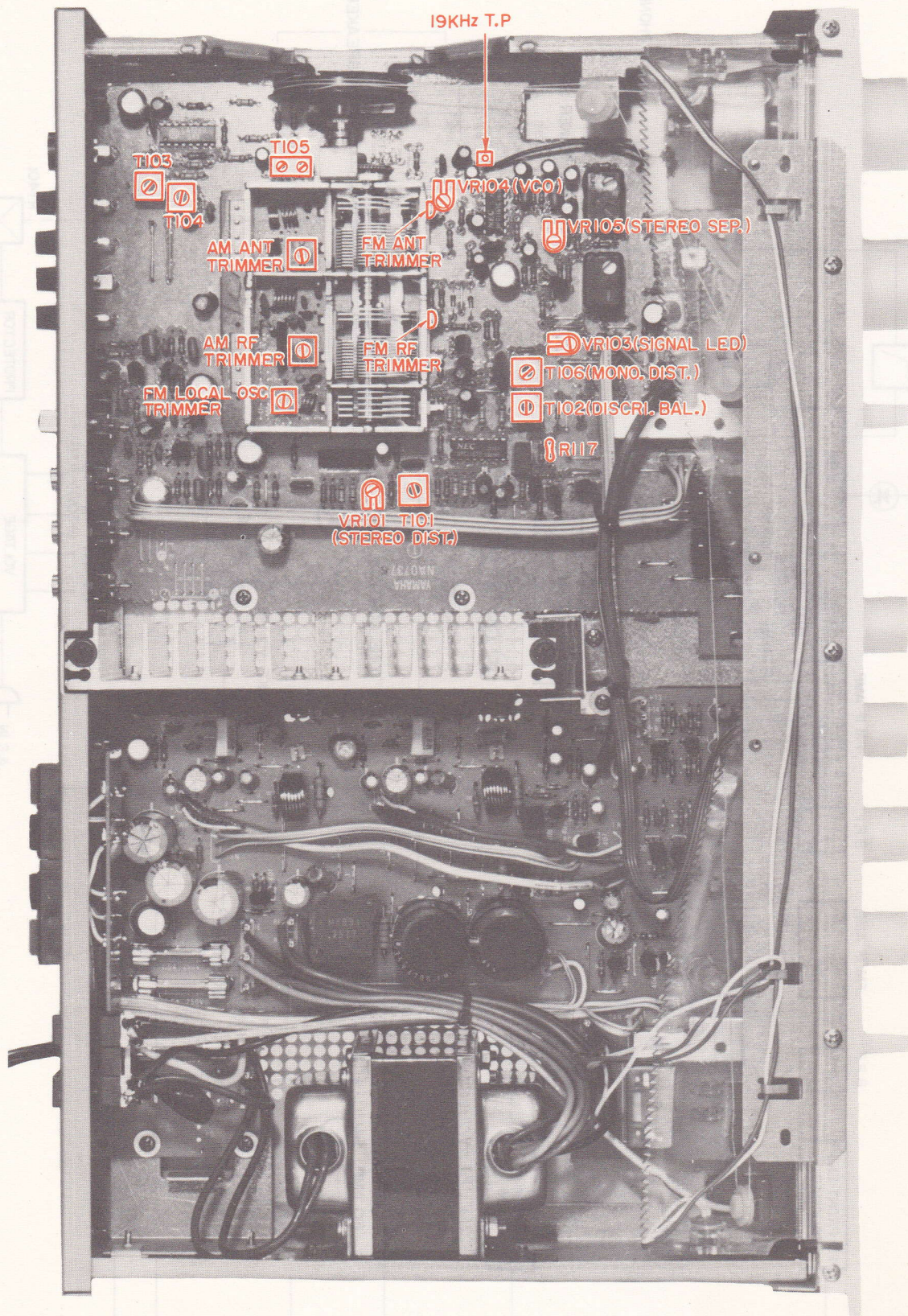
Dimensions (W x H x D) 435 x 134 x 297mm
(17-1/8 x 5-1/4 x 11-
5/8 in)

Weight 7.3kg (16 lbs)

Specifications subject to change without notice.



MEASUREMENT and ADJUSTMENTS



1. FM tuner overall adjustment

1. Set the switches to the following positions.

TUNER FM (MONO or AUTO)

2. Perform this adjustment and a lowpass filter must be used.

3. Abbreviation of instruments

FM SG : FM signal generator

OSC : Oscilloscope

D.M : Digital multimeter

DIST.M : Distortion meter

F.C : Frequency counter

Step	Adjustment items	Terminals to be connected	Instrument required	Adjustment location	Adjustment method	Rating	Remarks
1	Pointer alignment		OSC	Tuning knob pointer	Rotate the tuning knob and align pointer with the starting point of the dial scale.	Less than ± 1 mm	
2	Tracking adjustment I	FM antenna terminal	FM SG 104MHz	Tuning knob Local oscillator trimmer	Rotate tuning knob and align pointer with 104MHz on dial scale.	Within ± 1 mm from the letter center.	
3	Tracking adjustment II	— do. —	— do. —	Local trimmer	Adjust deviation as specified all over the frequency range.	Less than ± 2 mm (92 ~ 104 MHz)	Adjust only when pointer deviates with step 2.
4	Sensitivity readjustment	— do. —	— do. —	ANT trimmer RF trimmer	Set the sensitivity to maximum.		
5	Discriminator balance	— do. —	OSC	T102 Discriminator coil	Set it so that the voltage on both sides of R117 becomes 0.		Set at detuned point.
6	Setting tuned point	— do. —	FM SG 98MHz, 60dB μ	Tuning knob	Set tuning LED to indicate the center.		
7	Monaural distortion adjustment	— do. — REC OUT L alone	MONO 1KHz 100 % modulation OSC D.M DIST. M	T106 Discriminator coil	Reduce distortion to minimum.	0.12%	
8	VCO adjustment	FM antenna terminal 19KHz T.P	Nonmodulated F.C	VCO ADJ. VR104 (10K Ω B)	Set to 19KHz.	19KHz $\pm$ 20Hz	
9	Stereo distortion adjustment	Same as Step 7	Stereo 1KHz OSC D.M. DIST. M	VR101 (500 Ω) T101	Reduce distortion to minimum.	0.12%	
10	Separation adjustment	— do. —	Stereo L, R	SEP VR VR105 (500K Ω B)		More than 45dB.	
11	Muting level adjustment	— do. —	Same as Step 7.	VR102		Less than 5 μ V	
12	Signal LED adjustment	— do. —	60 dB μ	VR103	Adjust so that No.5 LED goes on.		At detuned point, 0 must be indicated.

2. AM tuner adjustment

1. Set the switch to the following position.
TUNER AM
2. Proceed with the AM section adjustments after having finished the FM section adjustment.
3. The quasi-antenna circuit for AM section adjustment.

Note 1. Quasi-antenna circuit for AM section adjustment.

Set to be measured.

Output level shows 50Ω load terminal.

Note 2. Adjustment is made with loop antenna installed and the loop antenna is not to be close to any metal parts.

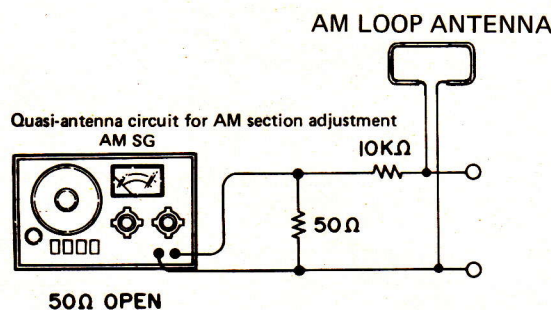


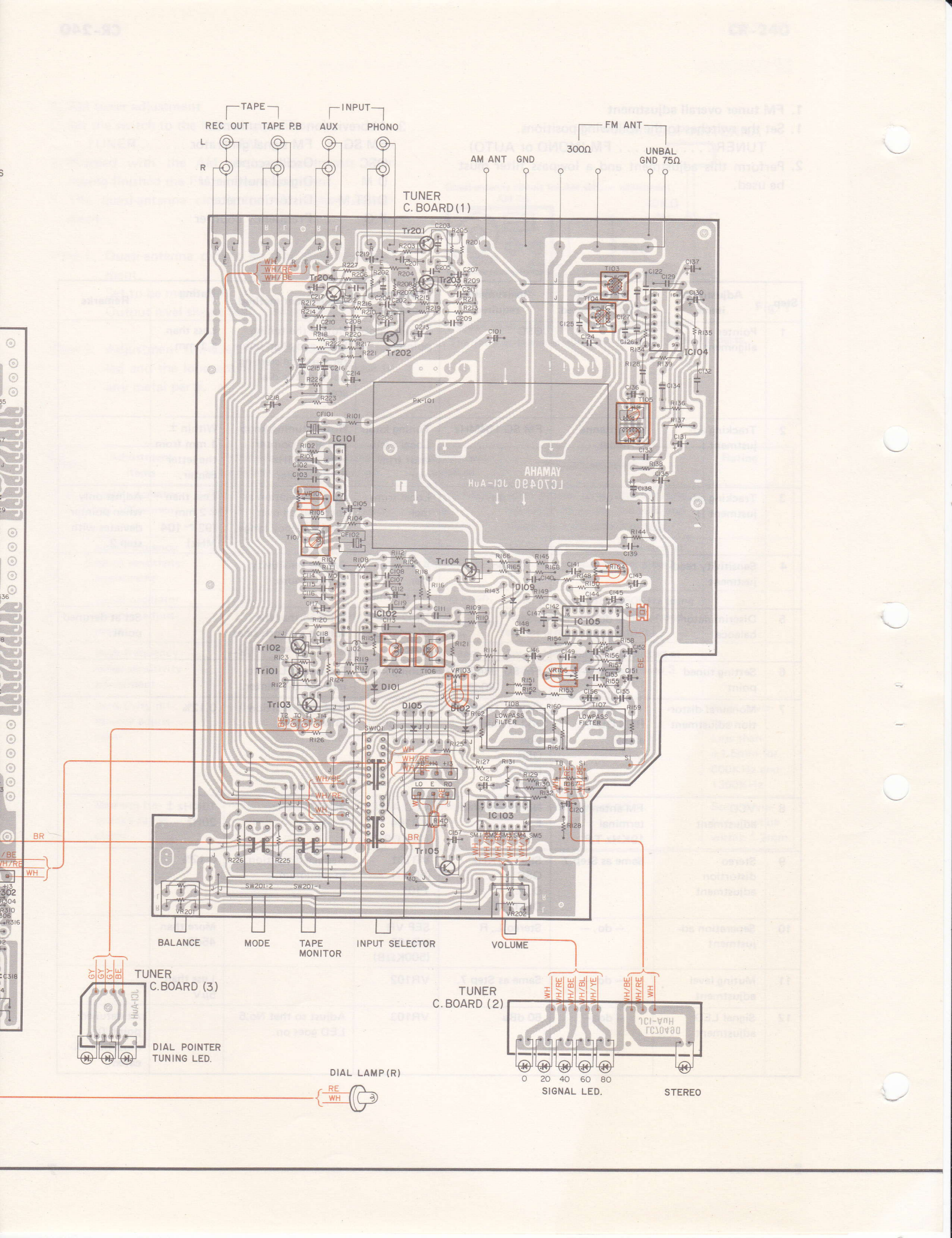
Fig. 1

Output level shows the 50Ω load terminal.

The loop antenna is not to be close to the metal parts.

Step	Adjustment items	Terminals to be connected	Instrument required	Adjustment location	Adjustment method	Rating
1	Local oscillator coil adjustment	REC OUT L or R	AM SG 600KHz, 55dBμ	Tuning knob, T104 (GE6013)	Align pointer with 600KHz using tuning knob, rotate coil core and adjust for a maximum output.	
2	Low-frequency range sensitivity adjustment	— do. —	— do. —	T103 (GE10023)	Adjust for a maximum output at same tuning point under step 1.	
3	Local oscillator trimmer adjustment	— do. —	AM SG 1350KHz, 55dBμ	Tuning knob, Front end Local oscillator Trimmer	Align pointer with 1350KHz using tuning knob, rotate trimmer and set for a maximum output.	
4	High-frequency range sensitivity adjustment	— do. —	— do. —	Front end AM ANT. Trimmer	Set so for a maximum output at same tuning point under step 3.	
5	Sensitivity difference adjustment	— do. —	AM SG 600KHz 1350KHz	Repeat steps 1 to 4.		Scale deviation: Less than ±1.5mm for 600KHz and 1350KHz
6	Medium frequency range check	— do. —	AM SG 950KHz	Tuning knob	Set for a maximum point.	Scale deviation must be within ± 2mm.

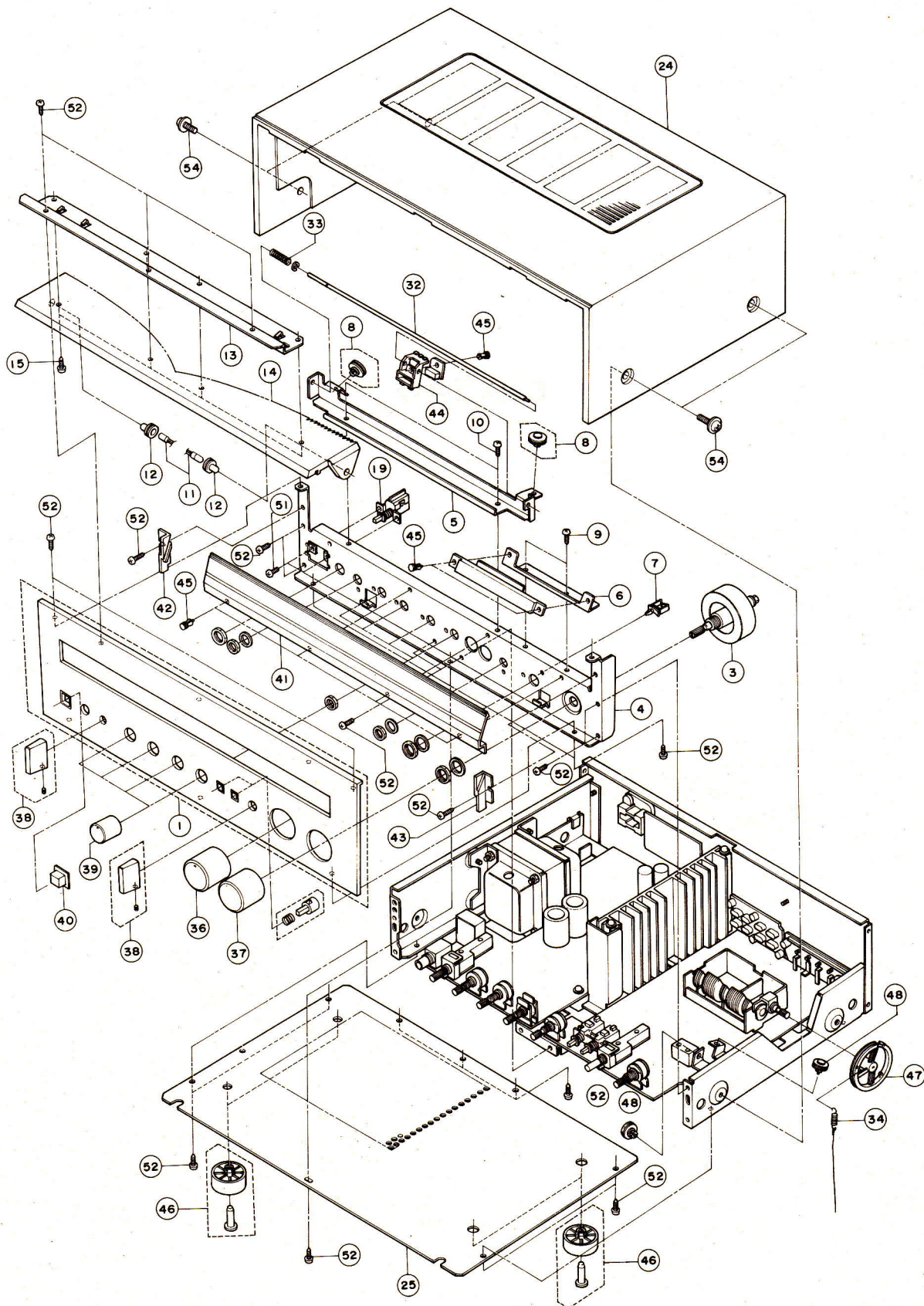


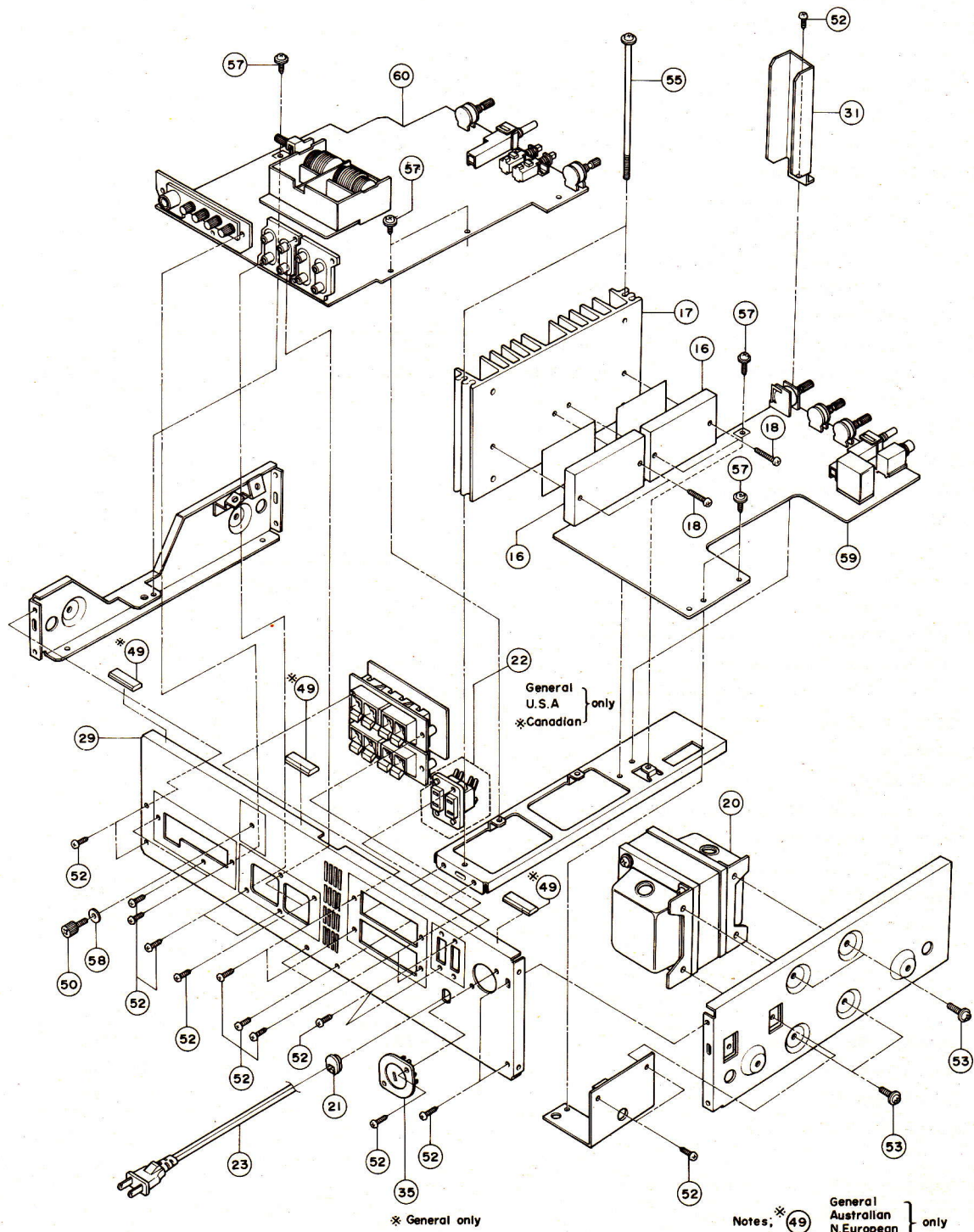


PARTS LIST

CR-240







Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
1	32 00 00 NB 09 34 90	Panel Unit (Silver)	パネルユニット			
"	32 00 00 NB 09 35 00	" (Black)	"			G
* 3	32 00 00 NB 09 15 30	Tuning Unit	チューニングユニット			
* 4	32 00 00 AA 09 98 00	Sub Chassis	サブシャーシ			
* 5	32 00 00 AA 09 99 20	Rail for Dial Pointer	指針レール			
* 6	32 00 00 AA 09 99 10	LED Holder	LEDホルダー			
* 7	42 00 00 CB 06 94 80	Wire Clip	ワイヤークリップ			
* 8	32 00 00 CB 09 00 40	Wheel	滑車Ass'y			
9	42 00 00 EN 03 00 20	Bind Head Tapping Screw Type II 3×8 ZMC2-Y	鉄バインドタッピングネジ 2種ミン			
10	42 00 00 EN 33 00 10	" 3×8 FCM3-B	"			
* 11	42 00 00 JB 00 08 30	Pilot Lamp 14.5V 85mA	パイロットランプ 錫コートリード式			
* 12	42 00 00 CB 09 43 80	Lamp Cap	ランプキャップ			
* 13	32 00 00 AA 09 99 30	Lens Holder	レンズホルダー			
* 14	32 00 00 CB 09 37 90	Lamp Lens	ランプレンズ			
15	42 00 00 EN 03 00 50	Bind Head Tapping Screw Type II 3×12 ZMC2-Y	鉄バインドタッピングネジ 2種ミン			
* 16	42 00 00 IG 03 00 00	Power iC 20W	パワーiC			
17	32 00 00 BA 07 72 60	Heat Sink	放熱板			
18	42 00 00 EN 03 01 00	Bind Head Tapping Screw Type II 3×16 ZMC2-Y	鉄バインドタッピングネジ 2種ミン			
19	42 00 00 KA 80 06 90	Push SW SDG5P-E 250V 5/80A	プッシュSW			R,A,G,B,
"	42 00 00 KA 80 10 70	" SDV2P TV-5	"			U,C,
19-1	42 00 00 FZ 00 15 60	Sparkkiller Capacitor, ECN-C4A 450VAC 0.01μF	スパークキラーコン			B
19-2	42 00 00 CB 08 86 90	Cover for Capacitor SB-0866	コンデンサーカバー 角型			B
* 20	42 00 00 GA 63 14 00	Power Transformer	電源トランス			U,C
* "	42 00 00 GA 63 15 00	"	"			G,
* "	42 00 00 GA 63 16 00	"	"			A,B,
"	42 00 00 GA 63 17 00	"	"			R
21	42 00 00 CB 06 86 30	Cord Stopper SR-3P-4	コードストッパー			U,C,
"	42 00 00 CB 07 27 50	" SR-4N-4	"			R,A,G,B,
* 22	42 00 00 LB 40 06 50	AC Socket	AC アウトレット			R,U,C,
23	42 00 00 MG 00 07 80	AC Cord (Black) 2m 6A 250V	電源コード			R
"	42 00 00 MG 00 08 40	" (") SPT-1 POT-64 10A 125V	"			U,C
"	42 00 00 MG 00 08 60	" (Gray) 2m 2.5A 250V	"			G,
"	42 00 00 MG 00 09 20	" (") 2.5m 7.5A 250V	"			A
"	32 00 00 MZ 07 28 90	AC Cord Ass'y	BS用電源コードAss'y			B
* 42 00 00 Mi 06 76 40	Ribbon Wire UL2468 3P $\ell=250$	リボンワイヤー				
* 24	32 00 04 90 62 32 20	Top Cover	トップカバー			U,C
"	32 00 00 AA 09 97 80	"	"			R,A,G,B,
* 25	32 00 00 AA 09 97 90	Bottom Cover	ボトムカバー			
* 29	32 00 00 AA 09 98 60	Rear Panel	リヤパネル			R
* "	32 00 00 AA 09 98 70	"	"			U,C
* "	32 00 00 AA 09 98 80	"	"			A,B
* "	32 00 00 AA 09 99 00	"	"			G
* 31	32 00 00 AA 09 99 50	Heat Fence	ヒートフェンス			
* 32	32 00 00 AA 09 99 60	Shaft Pointer	指針シャフト			
* 33	32 00 00 AA 09 99 70	Shaft Spring	シャフトスプリング			
* 34	32 00 00 AA 08 98 60	Dial Spring	ダイヤルスプリング		CR-640	
* 35	42 00 00 LB 20 14 80	Voltage Selector	電圧切換器			R

* : New Part (新部品)

DESTINATION ABBREVIATIONS

R : General A : Australian C : Canadian B : British G : North European U : U, S, A

Ref. No.	Part No.				Description	(部 品 名)	Remarks	Common model	Markets
※ 36	32:00:00	BA:07:53:60			Knob, Volume (Silver)	VOL ツマミ		CR-640	R,U,A,G,C,B
※ "	32:00:00	BA:07:66:50			" (Black)	"		"	G
※ 37	32:00:00	BA:07:71:20			Knob, Tuning (Silver)	TU ツマミ			R,U,A,G,C,B
※ "	32:00:00	BA:07:71:60			" (Black)	"			G
※ 38	32:00:00	BA:07:72:70			Knob, Switch (Silver)	SW ツマミ			R,U,A,G,C,B
※ "	32:00:00	BA:07:73:20			" (Black)	"			G
※ 39	32:00:00	BA:07:72:80			Knob, Tone Control (Silver)	T,C ツマミ			R,U,A,G,C,B
※ "	32:00:00	BA:07:73:30			" (Black)	"			G
※ 40	32:00:00	CB:09:38:30			Power Button (Silver)	パワーボタン			R,U,A,G,C,B
※ "	32:00:00	CB:09:38:70			" (Black)	"			G
※ 41	32:00:00	CB:09:39:70			Dial Scale (Silver)	ダイヤルスケール			R,U,A,G,C,B
※ "	32:00:00	CB:09:40:50			" (Black)	"			G
※ 42	32:00:00	CB:09:39:80			Scale Holder (L) (Silver)	スケールホルダー(L)			R,U,A,G,C,B
※ "	32:00:00	CB:09:40:60			" (Black)	"			G
※ 43	32:00:00	CB:09:39:90			" (R) (Silver)	" (R)			R,U,A,G,C,B
※ "	32:00:00	CB:09:40:70			" (Black)	"			G
※ 44	32:00:00	CB:09:40:00			Holder for Pointer	指針ホルダー			
45	42:00:00	CB:06:88:80			Plastic Rivet $\phi 3.5$ No. 1025	プラスチックリベット			
46	32:00:00	CB:08:13:90			Lug No. 1325	脚			
47	32:00:00	CB:08:97:90			Pulley, Variable Capacitor	バリコンプーリー		CR-640	
48	32:00:00	CB:09:00:40			Wheel No. 1830	滑車Ass'y		"	
※ 49	32:00:00	CB:09:40:20			Spacer	スペーサー			R,A,G,B
50	42:00:00	EZ:00:14:00			Screw for Earth Terminal $\oplus 3 \times 13.5$ MFNi II	アース端子ネジ			
51	42:00:00	ED:03:00:60			Bind Head Screw 3×6 ZMC2-Y	鉄バインド小ネジ			
52	42:00:00	EK:03:00:60			Bind Head Tapping Screw Type II 3×8 ZMC2-Y	鉄バインドタッピングネジ			
53	42:00:00	EZ:00:04:40			BW Bind Head Screw 4×6 $\phi 10$ ZMC2-Y	鉄BWヘッド小ネジ			
54	42:00:00	EZ:35:00:80			" 5×8 $\phi 12$ FCM3-B ℓ	"			U,C,G
55	42:00:00	EK:06:50:40			" 4×97 $\phi 10$ ZMC2-Y	鉄ナベBWヘッド小ネジ			
56	42:00:00	EV:90:13:60			Sems Flat Washer $\phi 3.6 \times \phi 10 \times t 0.8$ FNM3-3g	鉄セムス平座金			
57	42:00:00	EK:03:00:60			BW Bind Head Tapping Screw Type II 3×8 $\phi 10$ ZMC2-Y	鉄BWヘッドタッピングネジ			
58	42:00:00	EZ:00:10:00			BW Bind Head Screw 5×8 $\phi 12$ FNM3-3g	鉄BWヘッド小ネジ			R,A,G,B
59	32:00:00	NA:07:36:90			Main Circuit Board	メインシート			R
※ "	32:00:00	NA:07:37:00			"	"			U,C
※ "	32:00:00	NA:07:37:10			"	"			A
※ "	32:00:00	NA:07:37:20			"	"			G
※ "	32:00:00	NA:07:37:30			" Black	"			G
※ "	32:00:00	NA:07:37:40			"	"			B
60	32:00:00	NA:07:37:50			Tuner Circuit Board	チューナーシート			R,U,C
※ "	32:00:00	NA:07:37:60			"	"			A,B
※ "	32:00:00	NA:07:37:70			"	"			G,B

※ : New Part (新部品)

Ref. No.	Part No.					Description	(部 品 名)	Remarks	Common model	Markets
						MAIN CIRCUIT BOARD	メインシート			
C301 302	42	00	00	FJ	16 54 70	Electrolytic Capacitor Vert 0.47 μ F 50V	ケミコンタテ型			
C303 304	42	00	00	FG	51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C305 306	42	00	00	FG	51 11 50	" 15PF 50V SL(K)	"			
C307 308	42	00	00	FJ	11 82 20	Electrolytic Capacitor Vert 220 μ F 6.3V	ケミコンタテ型			
C309 312	42	00	00	FJ	33 71 00	" 10 μ F 16V	"			
C313 314	42	00	00	FG	71 31 00	Ceramic Capacitor 0.001 μ F 50V B(K)	フォーミングセラコン			
C315 316	42	00	00	FA	45 51 00	Mylar Capacitor 0.1 μ F 50V MS(J)	マイラーコン			
C317 318	42	00	00	FA	45 43 30	" 0.033 μ F "	"			
C319 320	42	00	00	FA	45 45 60	" 0.056 μ F "	"			
C321 322	42	00	00	FG	71 31 00	Ceramic, Capacitor 0.001 μ F 50V B(K)	フォーミングセラコン			
C323 324	42	00	00	FJ	16 61 00	Electrolytic Capacitor Vert 1 μ F 50V	ケミコンタテ型			
C325 326	42	00	00	FG	51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C327 328	42	00	00	FJ	33 74 70	Electrolytic, Capacitor Vert 47 μ F 16V	ケミコンタテ型			
C329 330	42	00	00	FG	74 44 70	Ceramic Capacitor 0.047 μ F 50V F(Z)	フォーミングセラコン			
C331 332	42	00	00	FG	51 11 00	" 10PF 50V SL(K)	"			
C333 334	42	00	00	FJ	15 74 70	Electrolytic Capacitor, Vert 47 μ F 35V	ケミコンタテ型			
C335 336	42	00	00	FJ	16 62 20	" 2.2 μ F 50V	"			
C337 338	42	00	00	FJ	15 71 00	" 10 μ F 35V	"			
C339 341	42	00	00	FJ	16 62 20	" 2.2 μ F 50V	"			
C342	42	00	00	FJ	15 71 00	" 10 μ F 35V	"			
C401	42	00	00	FH	23 41 00	Ceramic Capacitor 0.01 μ F 500V YZ(P)	セラコン			
C402	42	00	00	FJ	26 91 00	Electrolytic Capacitor, Vert 1000 μ F 50V	ケミコンタテ型			
C403	42	00	00	FJ	24 91 00	" 1000 μ F, 25V	"			
C404	42	00	00	FJ	14 82 20	Electrolytic Capacitor 220 μ F 25V	"			
C405	42	00	00	FJ	15 81 00	" 100 μ F 35V	"			
C406	42	00	00	FJ	15 71 00	" 10 μ F 35V	"			
* C407 408	42	00	00	FZ	00 20 60	Electrolytic Capacitor, 4700 μ F 35V	"			
C409	42	00	00	FJ	24 64 70	" Vert 47 μ F 25V	"			
C410	42	00	00	FJ	26 82 20	" 220 μ F 50V	"			
C411	42	00	00	FJ	24 74 70	" 4.7 μ F 25V	"			
C412	42	00	00	FM	44 81 00	" 100 μ F 6.3V	Zコン			
C413 415	42	00	00	FJ	33 71 00	Electrolytic Capacitor, Vert 10 μ F 16V	ケミコンタテ型			
* C416	42	00	00	FZ	00 20 30	Sparkkiller Capacitor, 0.01 μ F	スパークキラーコン			R, U, A, G, C,
C417	42	00	00	FJ	33 71 00	Electrolytic Capacitor, Vert 10 μ F 16V	ケミコンタテ型			
C418	42	00	00	FJ	14 63 30	" 3.3 μ F 25V	"			
L301 302	42	00	00	GD	90 02 80	Coil 3 μ H	空芯コイル			
R301 302	42	00	00	HK	35 52 20	Carbon Resistor RD25 SM-8 220 Ω	カーボン抵抗			
R303 304	42	00	00	HK	35 81 00	" 100K Ω	"			
R305 306	42	00	00	HK	35 61 00	" 1K Ω	"			
R307 308	42	00	00	HK	35 81 00	" 100K Ω	"			
R309 310	42	00	00	HK	35 61 00	" 1K Ω	"			
R311 312	42	00	00	HJ	35 52 70	" 270 Ω	"			
R313 314	42	00	00	HJ	35 63 90	" 3.9K Ω	"			
R315 316	42	00	00	HK	35 75 60	" 56K Ω	"			
R317 318	42	00	00	HK	35 63 30	" 3.3K Ω	"			
R319 320	42	00	00	HK	35 75 60	" 56K Ω	"			
R321 322	42	00	00	HK	35 63 30	" 3.3K Ω	"			
R323 324	42	00	00	HK	35 53 90	" 390 Ω	"			
R325 326	42	00	00	HK	35 62 70	" 2.7K Ω	"			
R327 328	42	00	00	HK	35 64 70	" 4.7K Ω	"			
R329 330	42	00	00	HK	35 71 50	" 15K Ω	"			
R331 332	42	00	00	HK	35 52 20	" 220 Ω	"			

* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R333 334	42:00:00 HK 35 73 30	Carbon Resistor RD25, SM-8	33K Ω	カーボン抵抗		
R335 336	42:00:00 HK 35 56 80	"	680 Ω	"		
R337 338	42:00:00 HK 35 73 30	"	33K Ω	"		
R339 342	42:00:00 HK 35 62 70	"	2.7K Ω	"		
R343 344	42:00:00 HZ 00 09 20	Metal Film Resistor MPC70, 2P	0.33 Ω	金属板抵抗		
* R345 346	42:00:00 HV 35 43 90	Fire Proof Carbon Resistor	RDF25 39 Ω	不燃化カーボン抵抗		
R347 348	42:00:00 HL 31 34 70	Metal Oxide Film Resistor, 1P	RSFIBL 20 4.7 Ω	酸化抵抗		
R349 352	42:00:00 HK 35 53 90	Carbon Resistor RD25, SM-8	390 Ω	カーボン抵抗		
R353 354	42:00:00 HK 35 81 00	"	100K Ω	"		
R355	42:00:00 HJ 35 34 70	"	4.7 Ω	"		
R401	42:00:00 HL 31 66 80	Metal Oxide Film Resistor, 1P	RSFIBL 20 6.8 Ω	酸化抵抗		
R402	42:00:00 HK 35 61 20	Carbon Resistor RD25, SM-8	1.2K Ω	カーボン抵抗		
R403	42:00:00 HK 35 62 70	"	2.7K Ω	"		
R404	42:00:00 HK 35 61 20	"	1.2K Ω	"		
R405 406	42:00:00 HK 35 63 90	"	3.9K Ω	"		
* R407 408	42:00:00 HL 31 22 20	Metal Oxide Film Resistor	RSF 2BL 20 0.22 Ω	酸化抵抗		
R409 410	42:00:00 HK 35 63 30	Carbon Resistor RD25, SM-8	3.3K Ω	カーボン抵抗		
R411 412	42:00:00 HK 35 71 00	"	10K Ω	"		
R413	42:00:00 HK 35 68 20	"	8.2K Ω	"		
R414 415	42:00:00 HK 35 71 00	"	10K Ω	"		
R416	42:00:00 HJ 35 71 20	"	12K Ω	"		
R417	42:00:00 HK 35 62 70	"	2.7K Ω	"		
R418	42:00:00 HK 35 83 30	"	330K Ω	"		
R419	42:00:00 HL 52 56 80	Metal Oxide Film Resistor,	RSF2BL 25 680 Ω	酸化抵抗		
R420	42:00:00 HK 35 66 80	Carbon Resistor RD25, SM-8	6.8K Ω	カーボン抵抗		
R421	42:00:00 HK 35 71 00	"	10K Ω	"		
R422	42:00:00 HJ 35 71 20	"	12K Ω	"		
R424	42:00:00 HG 30 92 20	Carbon Resistor RD50S(J)	22M Ω	カーボン抵抗		
R425	42:00:00 HK 35 71 00	" RD25, SM-8	10K Ω	"		
R426	42:00:00 HK 35 61 50	" "	15K Ω	"		
* VR301	42:00:00 HS 31 08 70	Variable Resistor 20KB $\times$ 2 11Click	VR, ϕ 16 2連、11点クリック	BASS		
VR302	42:00:00 HS 31 06 60	" 20KG $\times$ 2 "	VR、1軸2連、11点クリック	TREBLE		
* VR303	42:00:00 HS 31 08 80	" 50KB $\times$ 2 "	"	LOUDNESS		
TR301 302	42:00:00 iC 22 40 10	Transistor 2SC2240(BL)	トランジスタ			
TR303 304	42:00:00 iC 22 40 00	" 2SC2240(GR, BL)	"			
* TR401 402	42:00:00 iA 09 99 00	" 2SA999	"			
TR403	42:00:00 iC 18 15 80	" 2SC1815(Y, GR)	"	inter-changeable		
"	42:00:00 iC 23 20 10	" 2SC2320(E, F)	"			
* TR404 406	42:00:00 iA 09 99 00	" 2SA999	"			
TR407	42:00:00 iD 06 67 00	" 2SD667(C, D)	"			
TR408	42:00:00 iD 06 69 00	" 2SD669(C, D)	"			
TR409	42:00:00 iC 18 15 80	" 2SC1815(Y, GR)	"	inter-changeable		
"	42:00:00 iC 23 20 10	" 2SC2320(E, F)	"			
TR410	42:00:00 iD 06 67 00	" 2SD667(C, D)	"			
IC301 302	42:00:00 iG 03 00 00	Power iC iG03000(20W)	パワー IC (20W)			
D301 D304	42:00:00 iF 00 00 40	Diode iS1555	ダイオード	inter-changeable		
"	42:00:00 iF 00 06 70	" iS2473	"			
* D401	42:00:00 iH 00 07 40	Bridge Diode M4B-31	ダイオードブリッジ			
D402	42:00:00 iF 00 00 40	Diode iS1555	ダイオード	inter-changeable		
"	42:00:00 iF 00 06 70	" iS2473	"			

* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※ D403 405	42 00 00 i H 00 07 30	D iode W06B	ダイオード			
※ D406	42 00 00 i F 00 16 10	Zener Diode HZ-30-3	ツエナーダイオード			
※ D407	42 00 00 i H 00 07 30	Diode W06B	ダイオード			
D408	42 00 00 i F 00 00 40	" IS1555	"			
D409	42 00 00 i F 00 14 70	Zener Diode RD6.2EB2	ツエナーダイオード			
D410	42 00 00 i F 00 00 40	Diode IS1555	ダイオード	inter- changeable		
"	42 00 00 i F 00 06 70	" IS2473	"			
※ SW301	42 00 00 KA 50 14 40	Rotary Switch SRZ4-4, SP	ロータリーS W			
F401 402	42 00 00 KB 00 03 40	Fuse 1.5AT 250V	ヒューズ			R.A
"	42 00 00 KB 00 06 80	" ⑤ 1.25AT 250V	"	inter- changeable		G.B
"	42 00 00 KB 00 16 30	" "	"			G.B
"	42 00 00 KB 00 18 60	" UL,ASG 1.5A 250V	"			U.C
F403	42 00 00 KB 00 03 50	" 2A 250V	"			R.
"	42 00 00 KB 00 16 40	" SS-2 2A 250V	"			U.C
"	42 00 00 KB 00 07 20	" 800mAT 250V	"			G.B
"	42 00 00 KB 00 03 30	" 1.0AT 250V	"			A.
F404	42 00 00 KB 00 03 30	" 1.0AT 250V	"			R
※ RY401	42 00 00 KC 00 08 60	Relay G2Z222P 24V	リレー			
JK301	42 00 00 LB 30 10 60	Head phone-Jack	ヘッドホンジャック			R.U.A.G.C.B
"	42 00 00 LB 30 10 70	" (Black)	— "			G.
"	42 00 00 Mi 06 72 20	Ribboh Wire, UL2468 2P $\ell=150$	リボンワイヤー			
"	42 00 00 LA 00 21 10	Wrapping Terminal Ltype P=5 2P	i形ラッピング端子板			R.U.A.G.C.B
"	42 00 00 LA 00 21 20	" P=5 3P	"			
※	42 00 00 LA 00 26 50	" P=10(0) 2P	"			
"	42 00 00 LA 00 21 50	" P=10 3P	"			
"	42 00 00 LA 00 23 20	" P=7.5 3P	"			
※	42 00 00 LA 00 25 40	" P=5(0) 2P	"			
※	42 00 00 Mi 06 85 00	Ribbon Wire, UL4259 2P $\ell=300$	リボンワイヤー			
"	42 00 00 LB 20 09 00	Fuse Holder Pin YSH402	ヒューズホルダーピン			R.U.A.C
※	42 00 00 LB 20 15 30	"	"			G.B
"	42 00 00 LA 00 29 60	4P Push Terminal K5676				
"	42 00 00 CB 07 30 30	Shield Cap	シールドキャップ			
"	42 00 00 BB 06 83 70	Earth Plate	アース金具			
"	42 00 00 Mi 06 75 20	Ribbon Wire UL2468 3P $\ell=150$	リボンワイヤー			
※	42 00 00 Mi 06 85 10	" UL4259 2P $\ell=350$	"			
		Tuner Circuit Board	チューナーシート			
C101	42 00 00 FJ 23 81 00	Electrolytic Capacitor Vert 100 μ F 50V	ケミコン タテ型			
C102 103	42 00 00 FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter- changeable		
"	42 00 00 Fi 17 41 00	" " (N)	セラコン円筒形			
C105	42 00 00 FJ 14 63 30	Electrolytic Capacitor Vert 3.3 μ F 25V	ケミコン タテ型			
C107 108	42 00 00 FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter- changeable		
"	42 00 00 Fi 17 41 00	" " (N)	セラコン円筒形			
C111	42 00 00 FG 74 44 70	Ceramic Capacitor 0.047 μ F 50V F(Z)	フォーミングセラコン			
C112	42 00 00 FJ 16 61 00	Electrolytic Capacitor Vert 1 μ F 50V	ケミコン タテ型			
C113 114	42 00 00 FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter- changeable		
"	42 00 00 Fi 17 41 00	" " (N)	セラコン 円筒形			
C115	42 00 00 FG 71 31 00	Ceramic Capacitor 0.001 μ F 50V B(K)	フォーミングセラコン	inter- changeable		
"	42 00 00 Fi 17 31 00	" 0.001 μ F " (M)	セラコン円筒形			
C116	42 00 00 FG 54 41 00	" 0.01 μ F " F(Z)	フォーミングセラコン	inter- changeable		
"	42 00 00 Fi 17 41 00	" 0.01 μ F " (N)	セラコン円筒形			

※ : New Part (新部品)

Ref. No.	Part No.				Description	(部 品 名)	Remarks	Common model	Markets
C117	42	00	00	FJ 24 64 70	Electrolytic Capacitor Vert 1 μ F 50V	ケミコンタテ型			
C118	42	00	00	FJ 23 71 00	" 10 μ F 16V	"			
C119	42	00	00	FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter-changeable		
C119	42	00	00	Fi 17 41 00	" 0.01 μ F 50V (N)	セラコン円筒形			
C120	42	00	00	FJ 16 61 00	Electrolytic Capacitor Vert 1 μ F 50V	ケミコンタテ型			
C121	42	00	00	FJ 11 81 00	" 100 μ F 6.3V	"			
C122	42	00	00	FG 71 31 00	Ceramic Capacitor 0.001 μ F 50V B(K)	フォーミングセラコン	inter-changeable		
C122	42	00	00	Fi 17 31 00	" 0.001 μ F 50V (M)	セラコン円筒形			
C123	42	00	00	FG 54 41 00	" 0.01 μ F 50V F(Z)	フォーミングセラコン	"		
C123	42	00	00	Fi 17 41 00	" 0.01 μ F 50V(N)	セラコン円筒形			
C124	42	00	00	FG 51 11 00	" 10PF 50V SL(K)	フォーミングセラコン			
C125	42	00	00	FS 25 23 30	SA Capacitor 330PF 50V (J)	SAコン(フォーミング)			
C125	42	00	00	FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter-changeable		
C128	42	00	00	Fi 17 41 00	" 0.01 μ F 50V (N)	セラコン円筒形			
C129	42	00	00	FG 74 44 70	" 0.047 μ F 50V F(Z)	フォーミングセラコン			
C130 C131	42	00	00	FJ 24 64 70	Electrolytic Capacitor Vert 4.7 μ F 2.5V	ケミコンタテ型			
C132	42	00	00	FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン	inter-changeable		
C132	42	00	00	Fi 17 41 00	" 0.01 μ F 50V (N)	セラコン円筒形			
C133	42	00	00	FG 71 34 70	" 0.0047 μ F 50V B(K)	フォーミングセラコン	"		
C133	42	00	00	Fi 17 34 70	" 0.0047 μ F (K)	セラコン円筒形			
C134	42	00	00	FG 54 41 00	" 0.01 μ F 50V F(Z)	フォーミングセラコン	"		
C134	42	00	00	Fi 17 41 00	" 0.01 μ F (N)	セラコン円筒形			
C135	42	00	00	FA 41 44 70	Mylar Capacitor 0.047 μ F 50V (K)	マイラーコン			
C136	42	00	00	FJ 23 71 00	Electrolytic Capacitor Vert 10 μ F 16V	ケミコンタテ型			
C137	42	00	00	FJ 33 73 30	" 33 μ F 16V	"			
C138	42	00	00	FJ 26 51 00	" 0.1 μ F 50V	"			
C139 140	42	00	00	FA 41 41 00	Mylar Capacitor 0.01 μ F (K)	マイラーコン			
C141	42	00	00	FD 15 24 70	Styrol Capacitor Vert 470PF 50V(J)	スチコンタテ型			
C142	42	00	00	FS 23 44 70	SBL Capacitor 0.047 μ F 2.5Vx(K)	SBLコン,(フォーミング)			
C143	42	00	00	FJ 14 63 30	Electrolytic Capacitor Vert 3.3 μ F 25V	ケミコンタテ型			
C144	42	00	00	FJ 16 61 00	" 1 μ F 50V	"			
C145	42	00	00	FJ 26 52 20	" 0.22 μ F 50V	"			
C146	42	00	00	FJ 23 71 00	" 10 μ F 16V	"			
C147	42	00	00	FS 25 25 60	SA Capacitor 560PF 50V (J)	SAコン(フォーミング)			
C148	42	00	00	FJ 23 82 20	Electrolytic Capacitor 220 μ F 16V	ケミコンタテ型			
C149	42	00	00	FG 51 14 70	Ceramic Capacitor 47PF 50V SL(K)	フォーミングセラコン			
C151 152	42	00	00	FJ 23 71 00	Electrolytic Capacitor Vert 10 μ F 16V	ケミコンタテ型			
C153 154	42	00	00	FA 45 31 00	Mylar Capacitor 0.001 μ F (J)	マイラーコン			A, G, B
"	42	00	00	FA 45 31 50	" 0.0015 μ F (J)	"			R, U, C
C155 156	42	00	00	FJ 16 61 00	Electrolytic Capacitor Vert 1 μ F 50V	ケミコンタテ型			
C157	42	00	00	FJ 33 73 30	" 33 μ F 16V	"			
C201 202	42	00	00	FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C203 204	42	00	00	FJ 23 71 00	Electrolytic Capacitor Vert 10 μ F 16V	ケミコンタテ型			
C205 206	42	00	00	FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C207 208	42	00	00	FA 45 42 20	Mylar Capacitor 0.022 μ F (J)	マイラーコン			
C209 210	42	00	00	FA 45 36 80	" 0.0068 μ F (J)	"			
C211 212	42	00	00	FG 51 12 70	Ceramic Capacitor 27PF 50V SL(K)	フォーミングセラコン			
C213 214	42	00	00	FJ 11 82 20	Electrolytic Capacitor Vert 220 μ F 6.3V	ケミコンタテ型			
C215 216	42	00	00	FJ 16 54 70	" 0.47 μ F 50V	"			
C217	42	00	00	FJ 15 73 30	" 33 μ F 35V	"			
C218	42	00	00	FJ 15 81 00	" 100 μ F 35V	"			
C219	42	00	00	FG 54 41 00	Ceramic Capacitor 0.01 μ F 50V F(Z)	フォーミングセラコン			

*: New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
T101	42 00 00 GE 10 02 60	FM IFT GE10026	FM IFT			
※ T102	42 00 00 GE 10 03 60	Coil	コールドラチュア検波コイル			
※ T103	42 00 00 GE 10 03 50	AM ANT Coil GE10035	AM ANT コイル	inter-changeable		
T103	42 00 00 GE 10 02 30	" GE10023	"			
T104	42 00 00 GE 10 01 50	AM OSC Coil GE6013	AM OSC コイル			
※ T105	42 00 00 GE 10 03 10	AM IFT	AM IFT			
T106	42 00 00 GE 10 03 70	Coil	コールドラチュア検波コイル			
T107	42 00 00 GE 20 02 40	MPX Filter FB-20	MPX フィルター			
※ T108	42 00 00 GE 30 03 40	Inductor LAL04N100K 18 μ H	インダクター			
CF101 102	42 00 00 GG 00 03 60	Ceramic Filter 107M12 C-N	セラミックフィルター			
R101	42 00 00 HK 35 51 00	Carbon Resistor RD25 SM-8 100 Ω	カーボン抵抗			
R102 103	42 00 00 HK 35 52 20	" 220 Ω	"			
R104	42 00 00 HK 35 61 00	" 1K Ω	"			
R105	42 00 00 HK 35 42 20	" 22 Ω	"			
R106	42 00 00 HK 35 81 00	" 100K Ω	"			
R107	42 00 00 HK 35 53 30	" 330 Ω	"			
R108	42 00 00 HK 35 61 50	" 1.5K Ω	"			
R109 110	42 00 00 HK 35 52 20	" 220 Ω	"			
R111	42 00 00 HK 35 44 70	" 47 Ω	"			
R113	42 00 00 HJ 35 71 20	Carbon Resistor RD25 SM-8 12K Ω	カーボン抵抗			
R114	42 00 00 HK 35 78 20	" 82K Ω	"			R, U, A, C, B
R114	42 00 00 HK 35 76 80	" 68K Ω	"			G
R115	42 00 00 HK 35 71 00	" 10K Ω	"			
R116	42 00 00 HK 35 72 20	" 22K Ω	"			
R117	42 00 00 HK 35 65 60	" 5.6K Ω	"			
R118	42 00 00 HK 35 74 70	" 47K Ω	"			
R119 120	42 00 00 HK 35 71 50	" 15K Ω	"			
R121	42 00 00 HK 35 61 80	" 1.8K Ω	"			
R122 124	42 00 00 HJ 35 51 50	" 150 Ω	"			
R125	42 00 00 HK 35 71 00	" 10K Ω	"			
R126	42 00 00 HK 35 61 80	" 1.8K Ω	"			
R127	42 00 00 HK 35 61 20	" 1.2K Ω	"			
R128	42 00 00 HK 35 71 50	" 15K Ω	"			
R129	42 00 00 HK 35 81 00	" 100K Ω	"			
R130	42 00 00 HK 35 71 50	" 15K Ω	"			
R131	42 00 00 HK 35 61 20	" 1.2K Ω	"			
R132	42 00 00 HK 35 71 00	" 10K Ω	"			
R133	42 00 00 HK 35 61 50	" 1.5K Ω	"			
R134	42 00 00 HK 35 62 20	" 2.2K Ω	"			
R135	42 00 00 HK 35 71 00	" 10K Ω	"			
R136	42 00 00 HK 55 51 50	" 150 Ω	"			
R137	42 00 00 HK 35 71 00	" 10K Ω	"			
R138	42 00 00 HK 35 54 70	" 470 Ω	"			
R139	42 00 00 HK 55 51 50	" 150 Ω	"			
R140	42 00 00 HK 35 65 60	" 5.6K Ω	"			
R143	42 00 00 HK 35 81 00	" 100K Ω	"			
R144 145	42 00 00 HK 35 58 20	" 820 Ω	"			
R148	42 00 00 HK 35 71 50	" 15K Ω	"			
R149	42 00 00 HK 35 72 20	" 22K Ω	"			
R150	42 00 00 HK 35 61 00	" 1K Ω	"			
R151 152	42 00 00 HK 35 52 20	" 220 Ω	"			

※ : New Part (新部品)

Ref. No.	Part No.				Description	(部 品 名)	Remarks	Common model	Markets
R153 154	42	00	00	HK 35 72 20	Carbon Resistor RD25 SM-8 22K Ω	カーボン抵抗			
R155 156	42	00	00	HK 35 71 00	" 10K Ω	"			
R157 158	42	00	00	HK 35 74 70	" 47K Ω	"			G,
"	42	00	00	HK 35 75 60	" 56K Ω	"			R, U, A, C, B
R159 160	42	00	00	HK 35 62 70	" 2.7K Ω	"			
R161 162	42	00	00	HK 35 62 20	" 2.2K Ω	"			
R165 166	42	00	00	HK 35 52 20	" 220 Ω	"			
R167	42	00	00	HK 35 71 00	" 10K Ω	"			
R168	42	00	00	HK 35 81 00	" 100K Ω	"			
R169	42	00	00	HK 35 82 70	" 270K Ω	"			
R201 202	42	00	00	HJ 35 51 50	" 150 Ω	"			
R203 204	42	00	00	HK 35 81 80	" 180 Ω	"			
R205 206	42	00	00	HK 35 74 70	" 47K Ω	"			
* R207 208	42	00	00	HN 75 53 00	Carbon Resistor Vert ELS25(J) 300 Ω	"			
R209 210	42	00	00	HK 35 81 80	Carbon Resistor RD25 SM-8 180K Ω	"			
R211 212	42	00	00	HK 35 82 70	" 270K Ω	"			
R213 214	42	00	00	HJ 35 71 20	" 12K Ω	"			
R215 216	42	00	00	HK 35 76 80	" 68K Ω	"			
R217 218	42	00	00	HK 35 63 30	" 3.3K Ω	"			
R219 222	42	00	00	HJ 35 51 80	" 180 Ω	"			
R223 224	42	00	00	HK 35 81 00	" 100K Ω	"			
R225 227	42	00	00	HK 35 64 70	" 4.7K Ω	"			
R229 230	42	00	00	HK 35 88 20	" 820K Ω	"			G
R231 232	42	00	00	HK 35 76 80	" 68K Ω	"			G
R233 234	42	00	00	HK 35 82 20	" 220K Ω	"			G
VR101	42	00	00	HT 17 00 10	Semi Fixed Variable Resistor V8K4-1 B1K	半固定VR			
VR103 104	42	00	00	HT 17 00 20	" B10K	"			
VR105	42	00	00	HT 17 01 30	" B500K	"			
* TR101	42	00	00	i C 23 20 40	Transistor 2SC2320(F)	トランジスタ	inter-changeable		
TR105	42	00	00	i C 18 15 30	" 2SC1815(GR)	"			
TR201 202	42	00	00	i C 22 40 00	" 2SC2240(GR,BL)	"			
* TR203 204	42	00	00	i C 22 40 10	" 2SC2240(BL)	"			
D101 102	42	00	00	i F 00 00 40	Diode 1S1555	ダイオード	inter-changeable		
	42	00	00	i F 00 06 70	" 1S2473	"			
	42	00	00	i F 00 00 50	" 1S2076	"			
D103	42	00	00	i F 00 14 80	LED Pointer	LED 指針			
* D104	42	00	00	i F 00 16 30	LED METER	LED メーター			R, U, C
* D104	42	00	00	i F 00 16 50	LED METER	"			A, G, B
IC101	42	00	00	i G 00 03 90	IC μ C577H	IC			
* IC102	42	00	00	i G 03 50 00	" μ PC1167C	"			
* IC103	42	00	00	i G 03 52 00	" LB1416	"			
IC104	42	00	00	i G 03 17 00	" LA1240	"			
* IC105	42	00	00	i G 03 51 00	" μ PC1161C	"			
* SW101	42	00	00	KA 50 14 50	Rotary Switch SRZ	ロータリーSW			
* SW201	42	00	00	KA 80 13 10	Push Switch	ブッシュSW2連2回路			
PJ201 202	42	00	00	LB 40 03 10	Pin Jack 4P	4Pピンジャック	inter-changeable		
	42	00	00	LB 40 06 10	" 4P	"			
PK101	42	00	00	PA 00 04 90	Pack	パック			
	42	00	00	LB 50 03 80	DIN Socket	DIN コネクタソケット			G

*: New Part (新部品)

※: New Part (新部品)



YAMAHA TECHNICAL BULLETIN

ELECTRONICS CORPORATION, USA

6660 ORANGETHORPE AVENUE BUENA PARK, CALIFORNIA 90620 MAIL ADDRESS: P.O. BOX 6660, BUENA PARK, CALIFORNIA 90622 PHONE: (714) 522-9105

NO: 72H

Effective Date: 11/15/86

MODEL: **CR-240;** CR-440; CR-640; T-550

SERIAL NUMBER AFFECTED: ALL

FUNCTION AFFECTED: R.F. Pack - Part # PA000490

TYPE OF CHANGE

Mandatory Optional For Info Only

X

PROBLEM: Complete R.F. Pack is no longer available.

SOLUTION: Replacement semiconductors are available to repair R.F. Pack through Audio Parts.

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
IE990060	25K55	R.F. Amplifier
IG990360	SC114	Mixer, Local Oscillator

