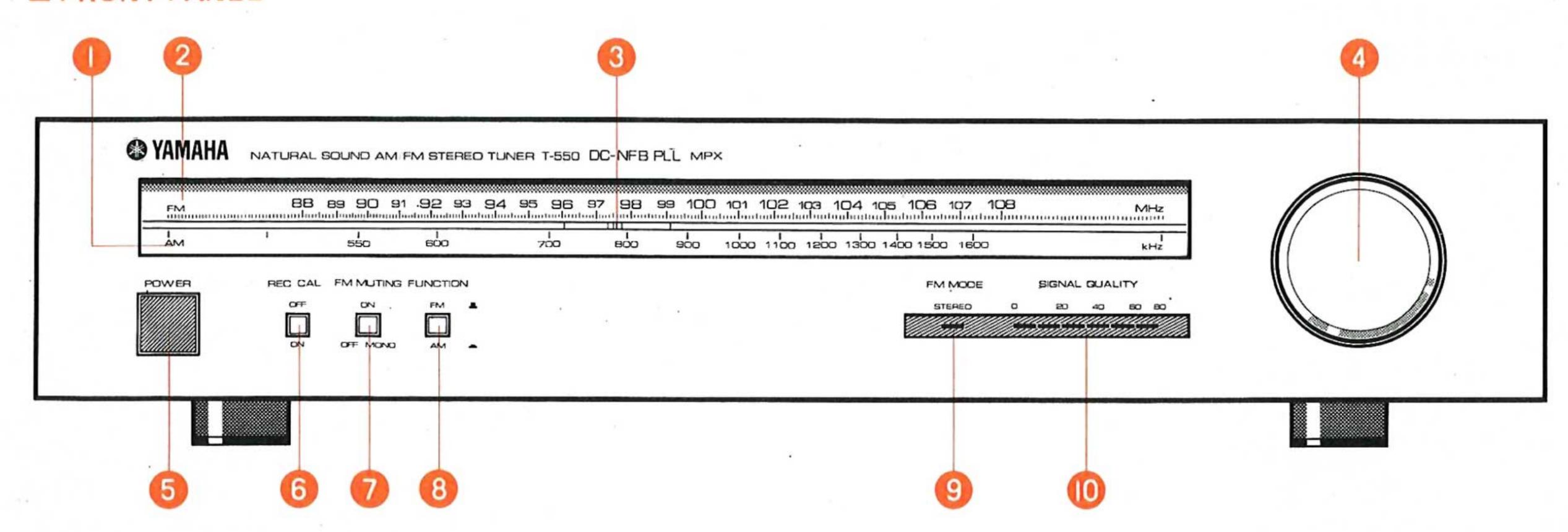


# SERVICE MANUAL

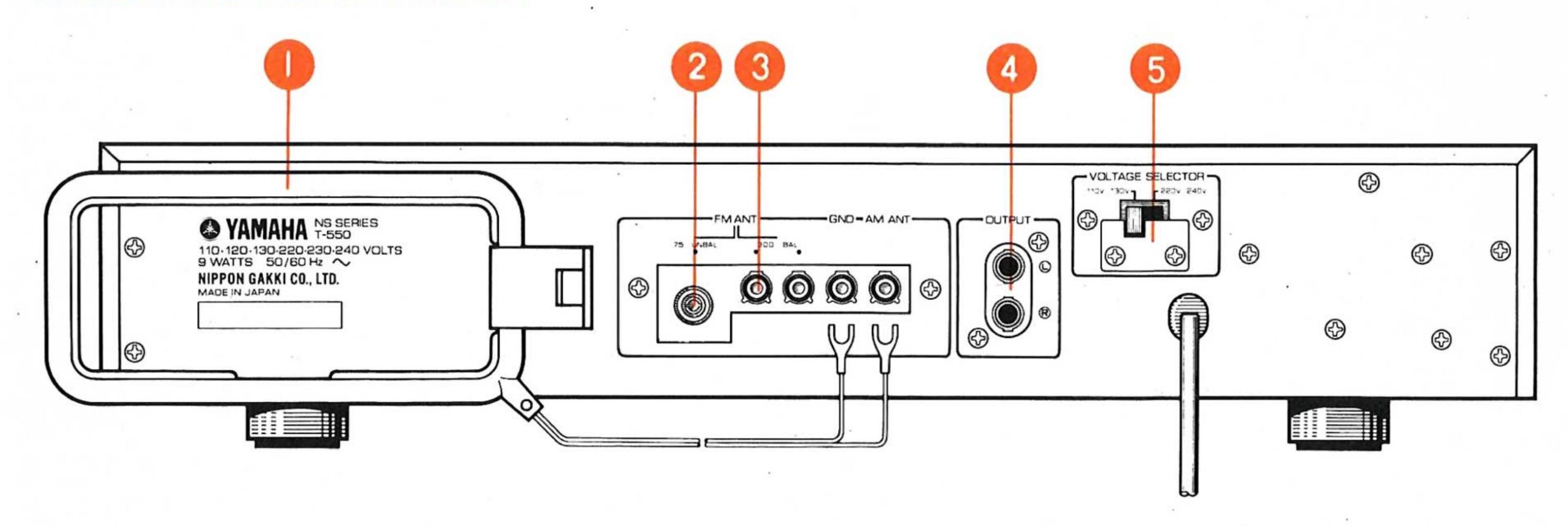
#### FRONT PANEL



- AM DIAL SCALE
- FM DIAL SCALE
- **® TUNING INDICATOR**
- **10** TUNING KNOB
- POWER SWITCH

- **® REC CAL SWITCH**
- **MATTING SWITCH**
- **(3)** FUNCTION SWITCH
- **(9)** FM STEREO INDICATOR
- **(III)** SIGNAL QUALITY INDICATOR

#### REAR PANEL (GENERAL MODEL)



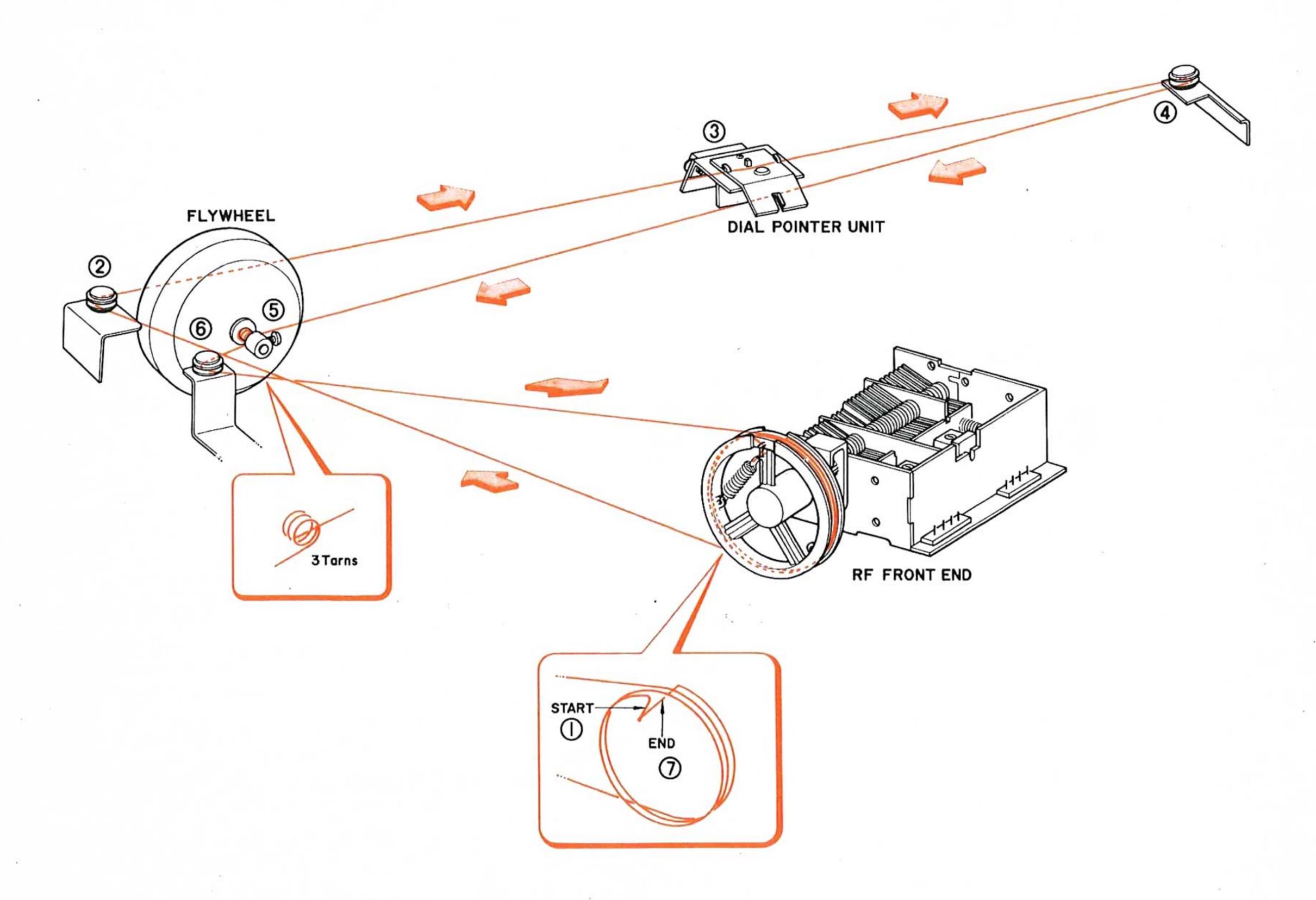
- AM LOOP ANTENNA
- **®** FM ANTENNA TERMINAL (75 Ω UNBAL)
- $\odot$  FM ANTENNA TERMINAL (300  $\Omega$  BAL)
- **OUT PUT JACKS**
- **OVOLTAGE SELECTOR**



## CONTENTS

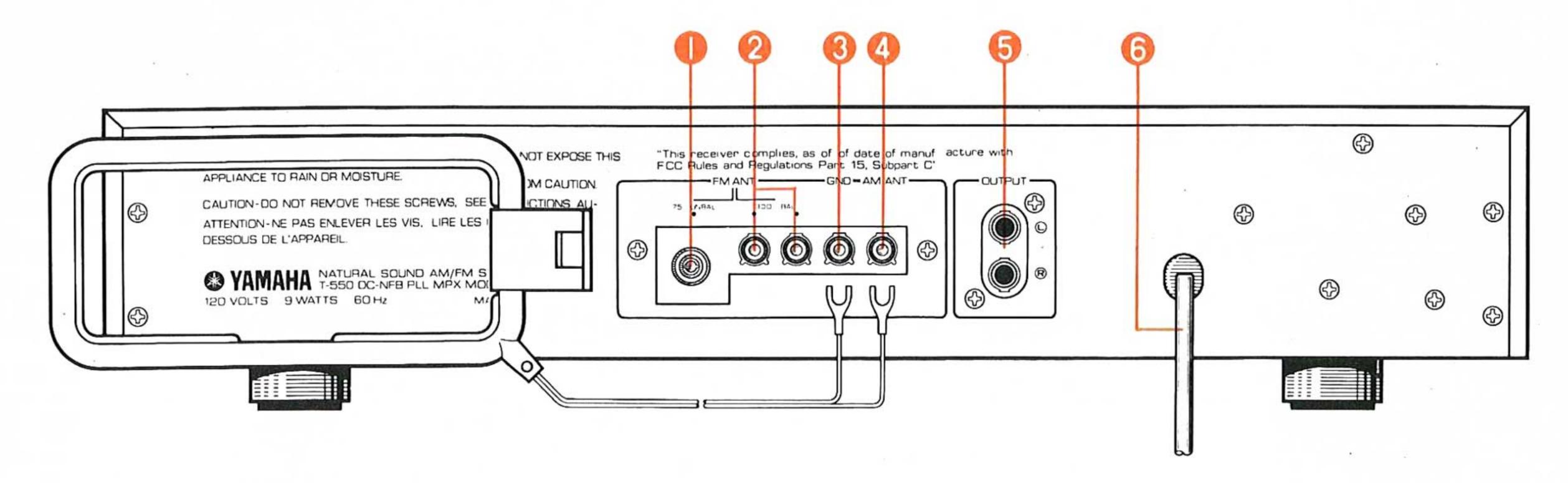
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# DIAL MECHANISM

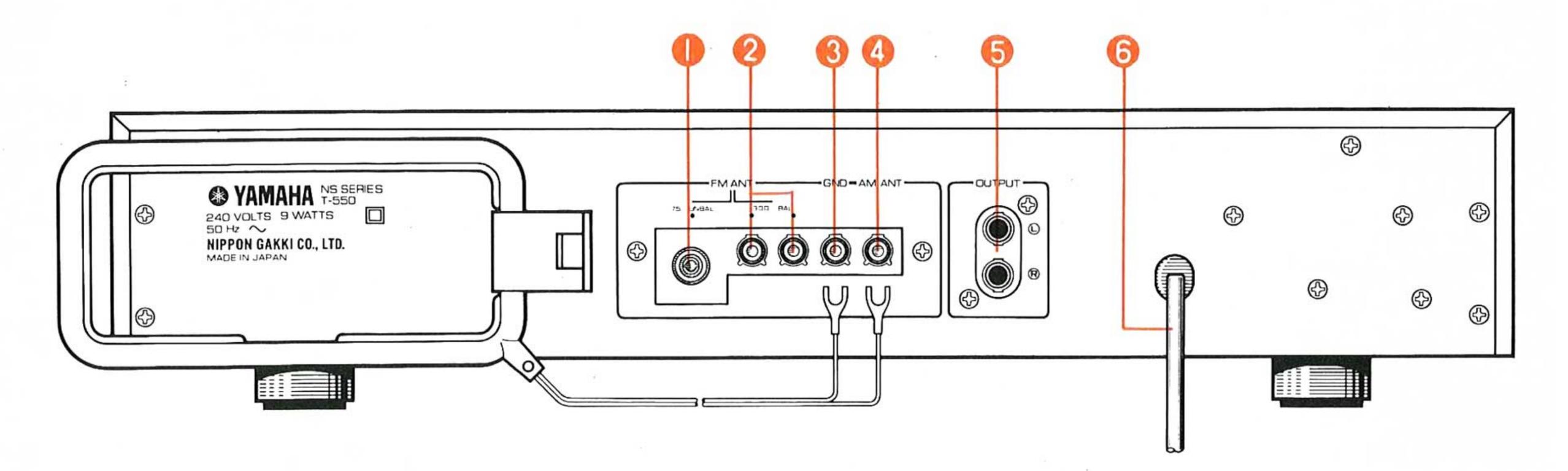


#### REAR PANELS

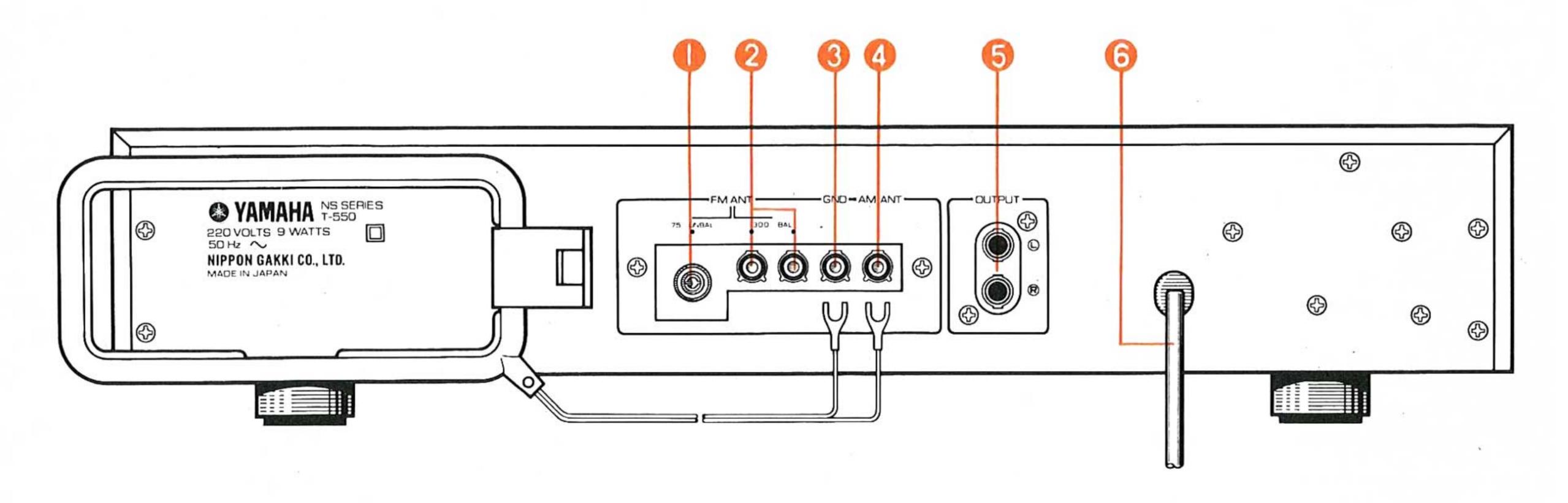
#### **▼ US & CANADIAN MODELS**



#### **▼ BRITISH & AUSTRALIAN MODELS**



#### **NORTH EUROPEAN MODEL**



- $\bullet \bullet$  FM ANTENNA (75  $\Omega$  UNBAL)
- $\bigcirc$  FM ANTENNA (300  $\Omega$  BAL)
- **69 GROUND TERMINAL**
- **MANTENNA TERMINAL**

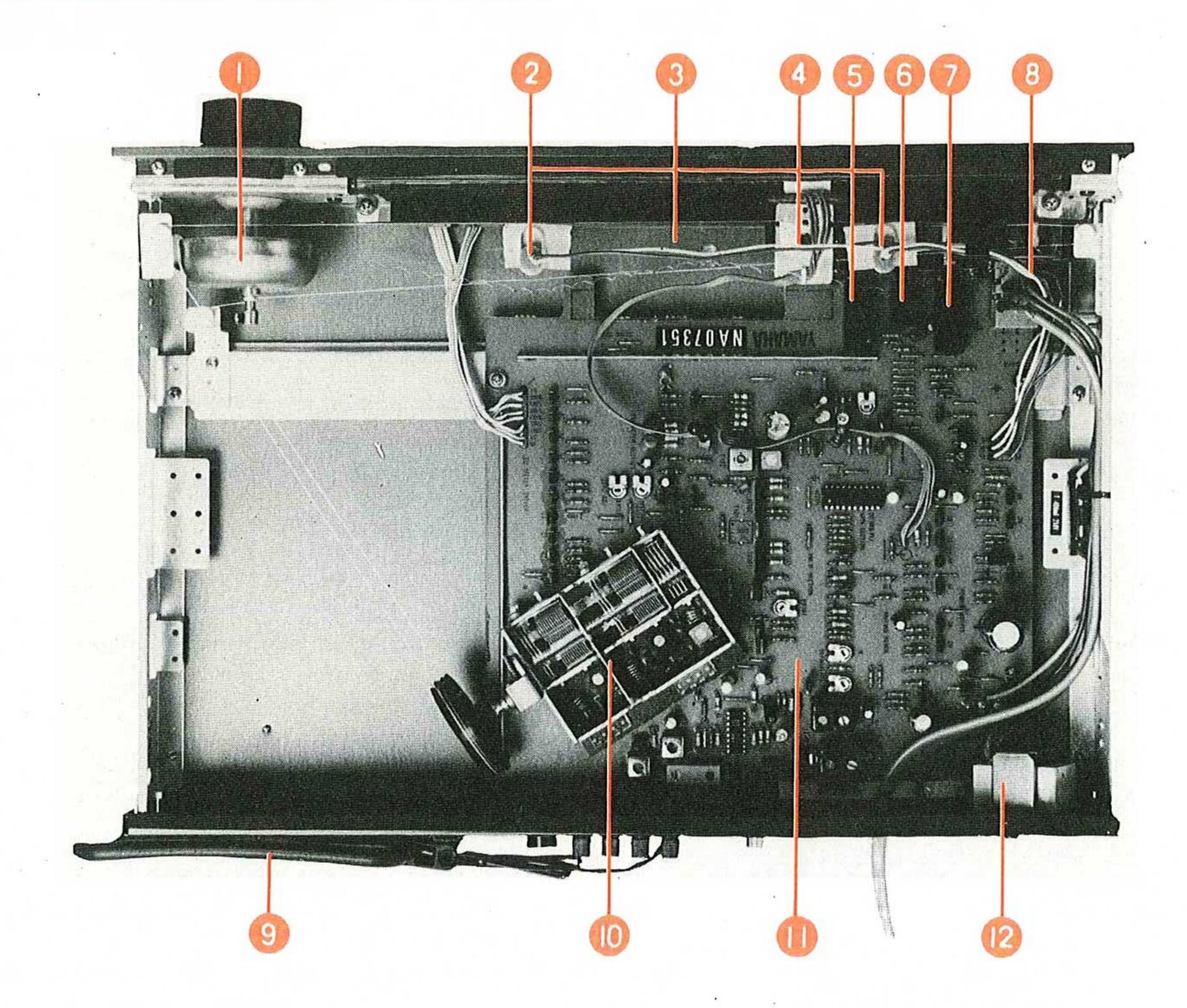
- **6** OUT PUT JACKS
- **6** AC CORD

## SPECIFICATIONS

# FM SECTION	
Tuning Range	87.6 to 108MHz
50dB Quieting Sensitivity	
Mono	3μV (14.8dBf)
Stereo	40μV (38dBf)
Usable Sensitivity	
IHF Mono (98MHz)	1:7μV (300Ω) 9.8dB
(40kHz DEV.)	$0.85 \mu V (75 \Omega) 9.8 dB$
DIN Mono (40kHz DEV. S/	N 26dB)
	1.2μV
Stereo (40kHz DEV. S/N	46dB)
	40μV
Image Response Ratio (98MHz)	60dB
IF Response Ratio (98MHz)	90dB
Spurious Response Ratio (98M)	Hz) 80dB
AM Suppression Ratio (IHF)	60dB
Capture Ratio (IHF)	1.5dB
Alternate Channel Selectivity	
(IHF)	65dB
Signal-to-Noise Ratio (at 65dBf	)
Mono	84dB
Stereo	80dB
DIN (40kHz DEV.) Mono	78dB
Stereo	74dB
Distortion	
Mono 100Hz	0.05%
1kHz	0.05%
6kHz	0.08%
10kHz	0.1%
Stereo 100Hz	0.1%
1kHz	σ.07%
6kHz	0.1%
10kHz	0.15%
Intermodulation Distortion (IH	F)
Mono	0.05%
Stereo	0.1%
Stereo Separation	50dB (1kHz)
	45dB (50Hz~10kHz)
Frequency Response	
50Hz to 10kHz	±0.3dB
30Hz to 15kHz	+ò.5, —1 dB
Subcarrier Product Ratio	65dB
Muting Threshold	5μV (19.2dBf)

- AM SECTION	
Tuning Range	525 to 1,605kHz
Usable Sensitivity (IHF)	15μV
Alternate Channel Selectivity	
1,000kHz ± 9kHz	27dB
Signal-to-Noise Ratio	52dB
Image Response Ratio	40dB (1,000kHz)
Spurious Response Ratio	50dB (1,000kHz)
Distortion	0.3%
M AUDIO SECTION	
Output Level/Impedance	
FM (100% mod.)	500mV/1.6kΩ
AM (30% mod.)	170mV/1.6kΩ
REC CAL Signal	250mV/1.6kΩ
(333Hz: Corresponding to 50°	% FM modulation)
• GENERAL	
Semiconductors	33 Transistors, 41Cs,
	1 FET, 10 Diodes,
	1 Zener Diodes,
	10 LEDs,
	3 Ceramic Filters
Power Supply	
US & Canadian models	120V/60Hz
General model	110~130V/220~240V
	50/60Hz
North European model	220V,50Hz
British & Australian models	240V,50Hz
Power Consumption	9W
Dimensions (WxHxD)	435 x 92 x 341mm
	(17-1/8" x 3-3/4" x
	13-1/2'')
Weight	4.5kg
	(9 lb 15 oz)

Specification subject to change without notice.



- **IDENTIFY** FLY WHEEL
- @ PILOT LAMP (14.5V 80mA)
- **® LENS (for PILOT LAMPS)**
- O DIAL POINTER UNIT [TUNER P, C, B (3)]
- FUNCTION SWITCH (SW102-3)
- (b) FM MUTING SWITCH (SW102-2)

- @ REC CAL SWITCH (SW102-1)
- POWER SWITCH (SW101)
- M LOOP ANTENNA (Mi06834)
- RF FRONT END (PK101)
- **10** TUNER CIRCUIT BOARD (1)
- **® POWER TRANSFORMER**

#### DISASSEMBLY PROCEDURES

#### 1. Top cover removal

Remove screws ① and ② in Photo 1, and then remove the top cover.

#### 2. Front panel removal

- a. Remove the top cover. (Refer to step 1.)
- b. Loosen screw 1 in Photo 2 with a hexagonal wrench and pull out the tuning knob first to prevent damage to its painted surface.
- c. Remove screws ① to ③ in Photo 3 as well as screws ① to ③ in Photo 4 and then remove the front panel.

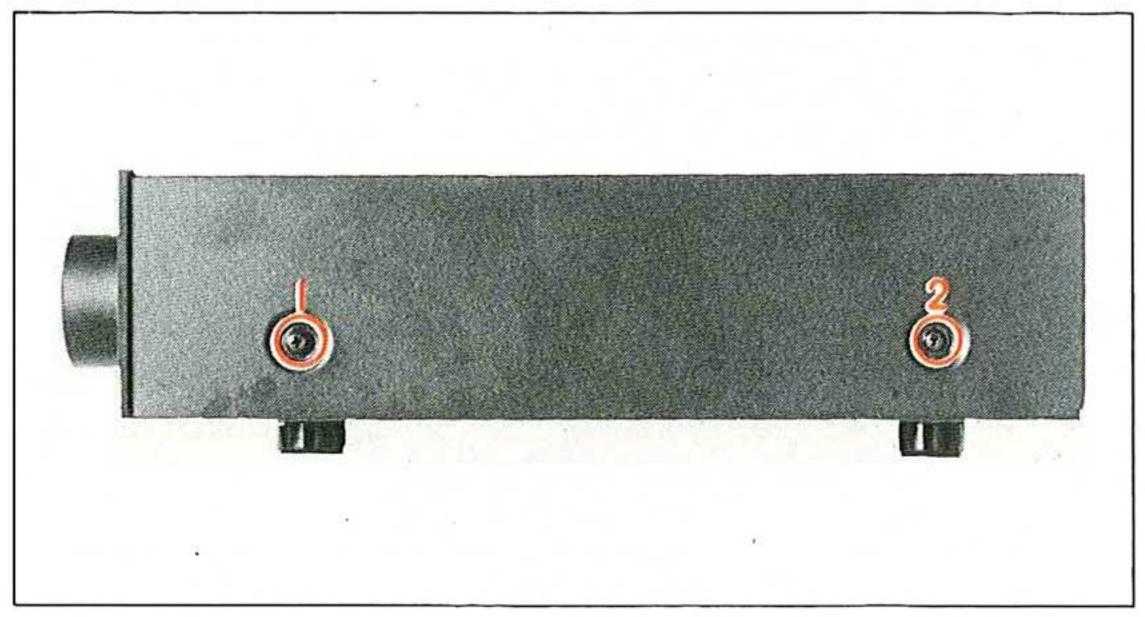


Photo 1

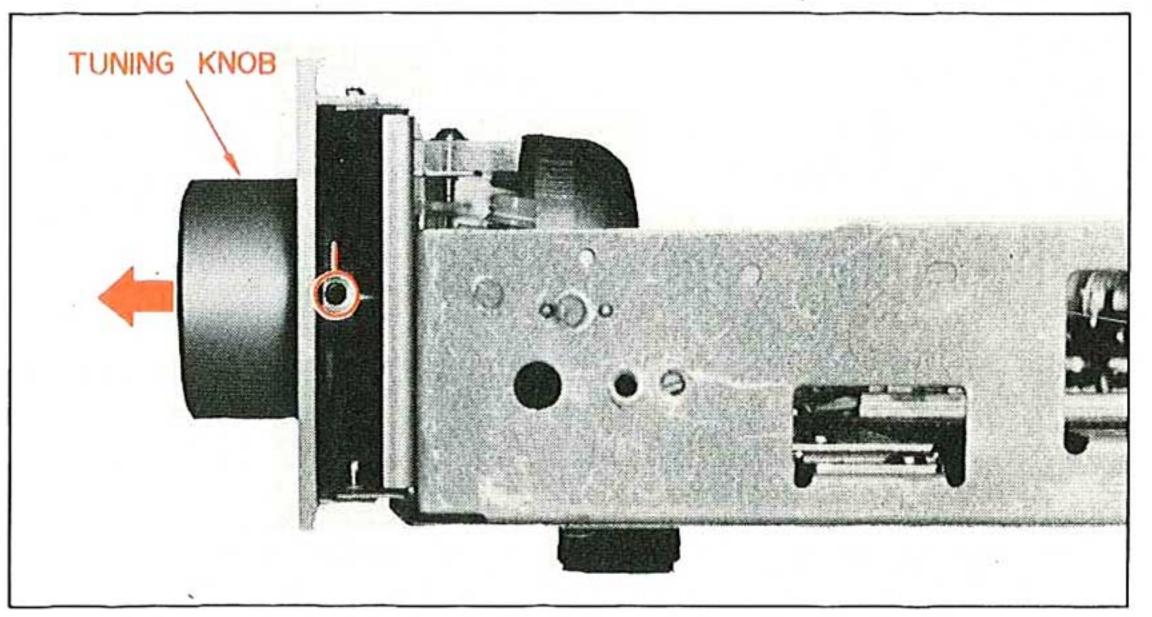
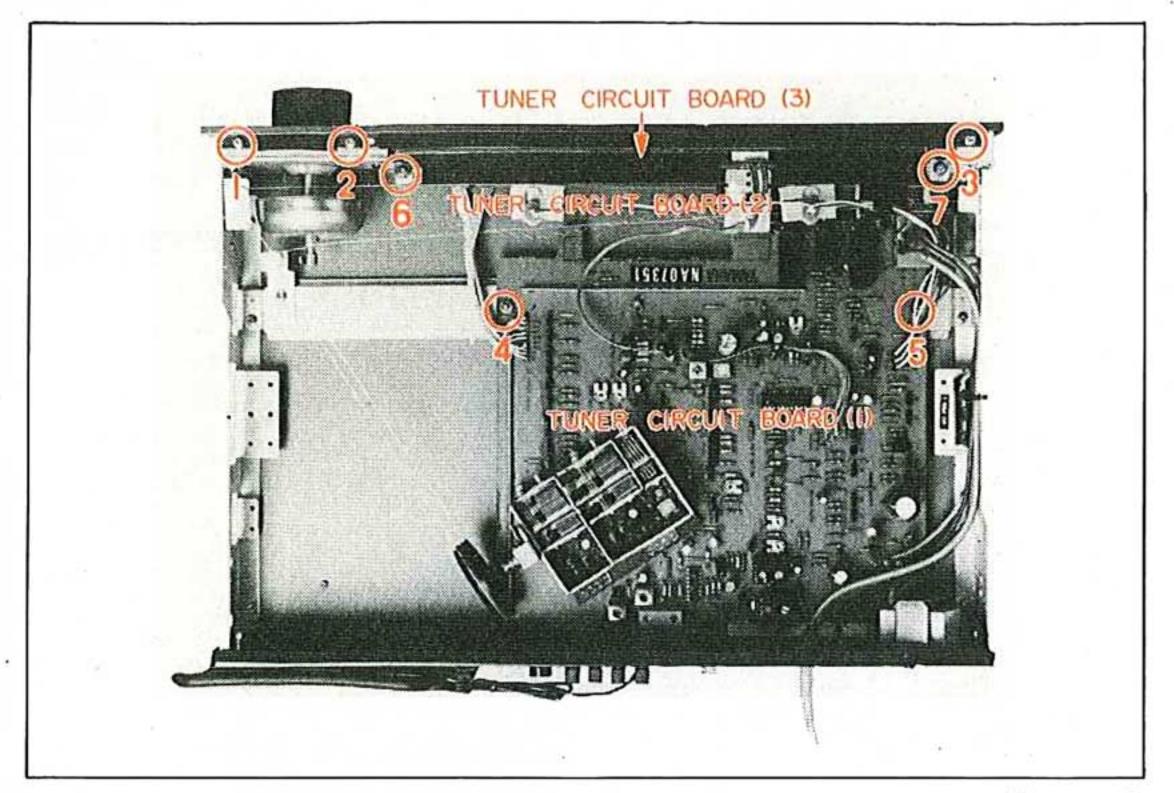


Photo 2



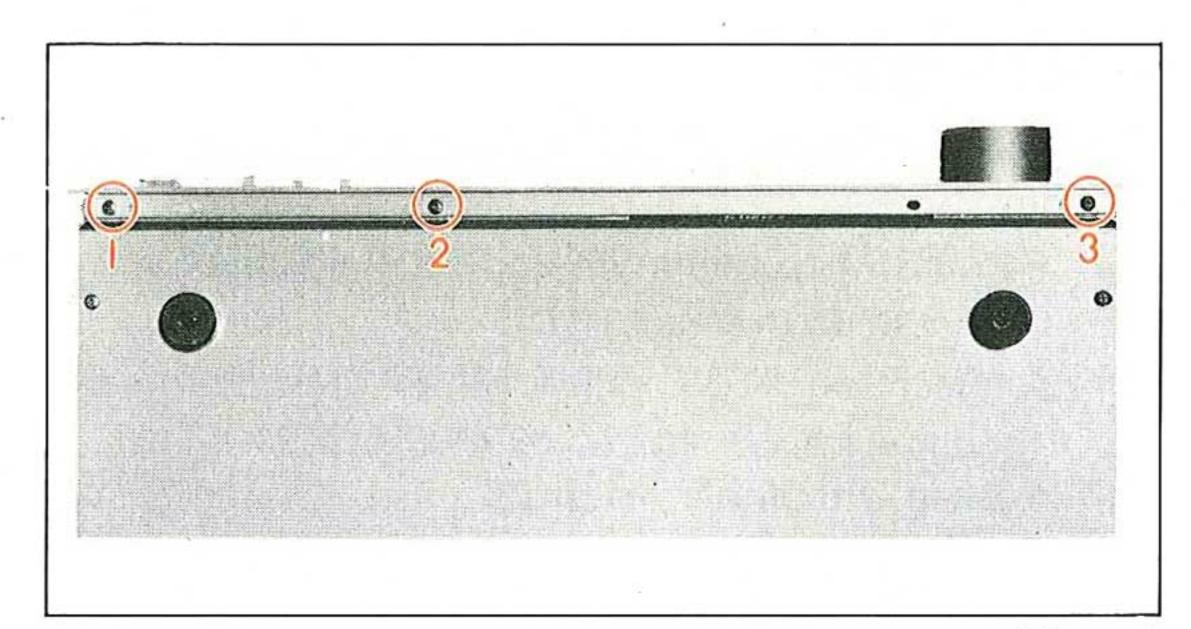


Photo 4

Photo 3

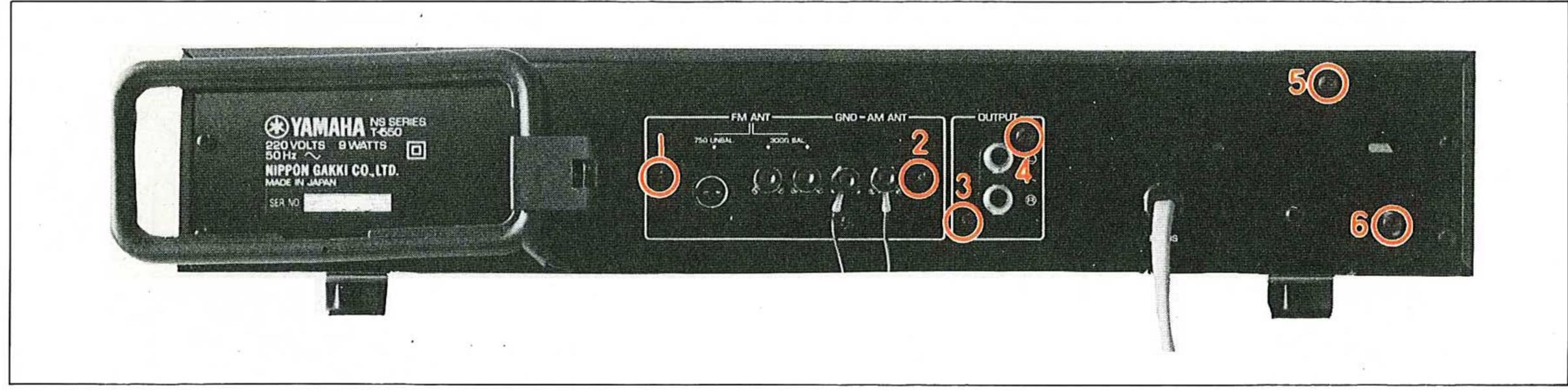


Photo 5

#### 3. Tuner printed circuit board (1) removal

- a. Remove the front panel. (Refer to step 2.)
- b. Detach the lead wires which are connected to the tuner printed circuit board (1).
- c. Pull out the pulley from the RF Pack's shaft.
- \* As the pulley is locked with paint, pull out the pulley carefully. You will find that if you wind adhesive tape or vinyl tape to secure the dial string to the pulley so that the string does not get tangled up, the replacement operation will be facilitated.
- d. Remove screws 4 and 5 in Photo 3, screws 1 to 4 in Photo 5 and the plastic rivet 5 and then remove the tuner printed circuit board (1).
- \* You will find that if you remove screws 6 and 7 in Photo 5 and the power transformer, the replacement will be facilitated.

# 5. Tuner printed circuit board (3) [Dial pointer unit] removal

- a. Remove the top cover. (Refer to step 1.)
- b. Remove screws 6 and 7 in Photo 3 and then remove the lamp lens.
- c. Remove the dial string of the dial pointer in Fig. 2 as well as plastic rivets ① and ② and then remove the tuner printed circuit board (3).
- \* You will find that if you mark the dial with a pen, the replacement will be facilitated.
- \* Look the dial pointer unit with point.

- 4. Tuner printed circuit board (2) [Signal quality indicator] removal
  - a. Remove the front panel. (Refer to step 2.)
  - b. Remove plastic rivets ① and ② in Fig. 1 and then remove the tuner printed circuit board (2).

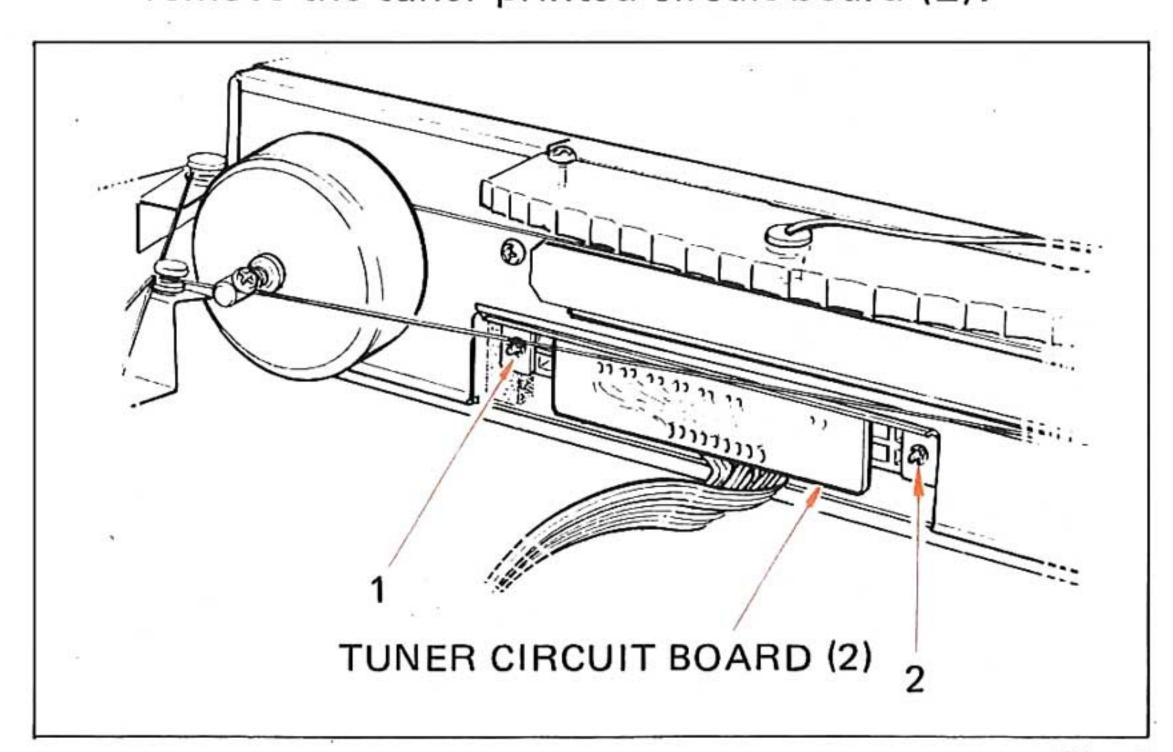


Fig. 1

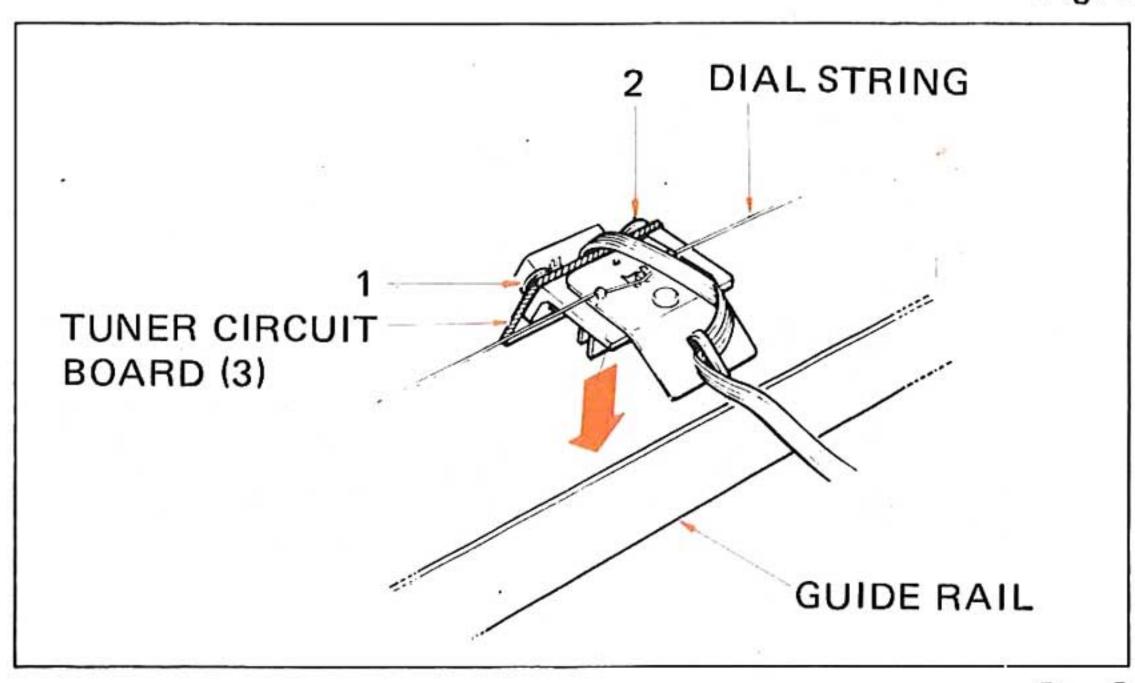


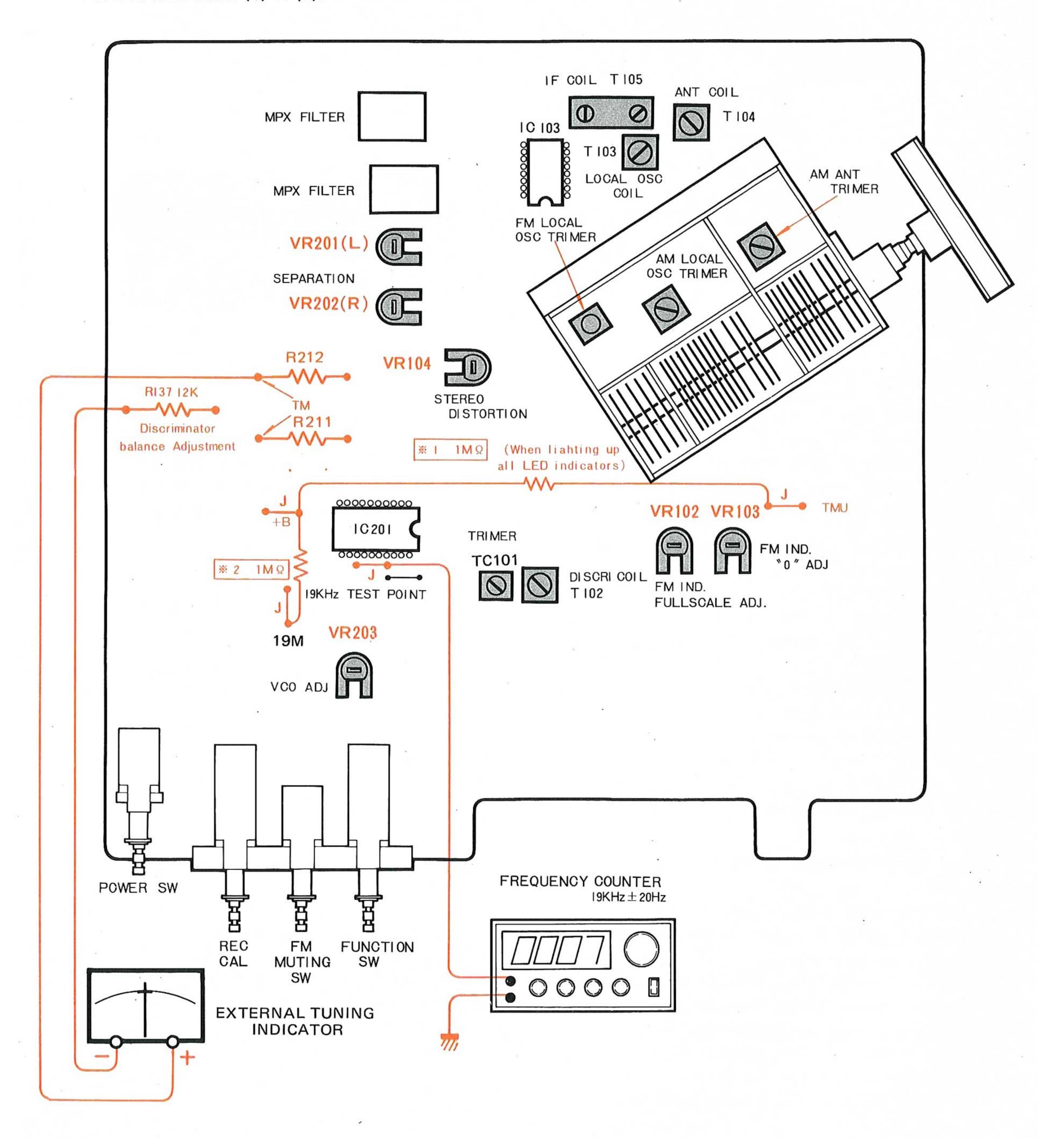
Fig. 2

#### ADJUSTMENTS

#### 1. TEST POINTS

- \* When lighting up all LED indicators at detuning point.
- (1) Set VR103 to minimum and set the collector of TR110 to earth point.
- (2) Connect the TEST point +B to TMU terminal through a resistor  $1M\Omega$ . (420000HJ359100) Proceed with either (1) or (2).
- \* When forcing the set in stereo model at VCO adjustment.

Connect the test point 19M to +B through a resistor  $1M\Omega$ . (420000HJ359100)



#### 2. FM TUNER SECTION

(1) Set the switches to the following positions.

Function → FM
REC CAL → OFF
FM Muting → ON

(2) Use a low pass filter except step 9.

Measuring instrument abbreviations.

FM SG . FM signal generator OSC : Oscilloscope

DM : Digital multimeter DIST.M : Distortion meter

FC : Frequency counter

Step	Adjustment item	Terminals to be connected	Instrument required	Adjustment location	Adjustment method	Rating	Remarks	
1.	Pointer alignment			Tuning knob pointer .				
2.	Tracking adjustment I	FM antenna terminals	104MHz	Tuning knob local oscil- lator trimmer	Rotate the tuning knob and align pointer with 104MHz on dial scale. Rotate local oscillator trimmer so that tuning indicator is at center.	Less than ± 1mm	Fig. 1	
3.	Tracking ad- justment II	Same as step 2	FM SG	Local oscil- lator trimmer Tuning indicator	Adjust so that it comes within specifications on right.	Less than ± 2mm (92 ~ 104 MHz)	Adjust only when pointer deviates with step 2.	
4.	Discriminator balance	Connect 300Ω balanced an- tenna to FM an- tenna terminal		T-102 secon- dary core of discriminator coil	Move core until tuning meter pointer deflects to 0 with noise at detuned point near 98MHz.	indicator de Connect +B	ustable with tuning icator deflection. nect +B to TMU ough $1M\Omega$ .	
5.	Tuning point setting	FM antenna terminals	60dBμ, 98MHz	Tuning knob	Adjust knob so that center lamp of tuning indicator lights up.		Rotate VR102 fully to the right.	
6.	Muting level	FM antenna terminals	FM SG 15dB $\mu$ (300 $\Omega$ ) 30% MOD.	VR103 (30KB)	Adjust so that mut- ing level is 15dB $\mu$ .		Same as step 5.	
7.	Monaural dis- tortion adjust- ment	FM antenna terminal output L only	104MHz 60dBµ monaural 1kHz 100% MOD. OSC, FM SG, DIST, M	TC-101(4P) trimmer capacitor	Reduce distortion to minimum.	Less than -56dB		
8.	VCO adjustment	FM antenna 19kHz T.P	Same as step 6 non MOD FC	VCO, ADJ VR203 (10KB)	Set to 19kHz	19kHz ± 20Hz		
9.	Stereo distortion adjustment	FM antenna terminal output L only	Same as step 2. Stereo L 1kHz 100% MOD. OSC, FM SG DIST. M	VR104 (500Ω) TC101, T102 and Tuning Knob	Reduce distortion to minimum. Rotate knob so that tuning indicator is centered at minimum distortion.	Less than -56dB	Adjust step 5, 7 and 9 only when pointer deviates.	
10.	Separation adjustment	Same as step 6	Stereo L, R 1kHz 100% MOD	Separation VR201 (L) VR202 (R)	L→R R→L	More than 50dB		
11.	Signal indicator full scale adjust-ment	Same as step 5.	Non MOD 60dBµ	FM meter ADJ. VR102 (5KB)	Set so that meter pointer deflects within specified zone		Fig. 2 Check step 6	

#### 3. AM TUNER SECTION

(1) Proceed with the AM section adjustments after having finished the FM section adjustments.

Set the switches to the following positions.

Function → AM REC CAL → OFF

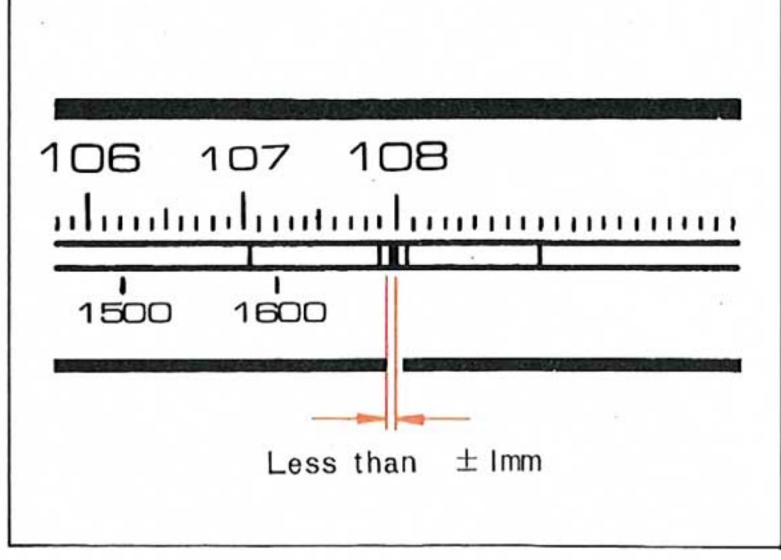
Measuring instrument abbreviations.

AM SG: AM signal generator

Step	Adjustment item	Terminals to be connected	Instrument required	Adjustment location	Adjustment method	Rating	
1.	Local oscillator coil adjustment	Output L or R	AM SG: 600kHz, 60dBμ	Tuning knob T103 (GE 6013)	Align pointer with 600kHz using rotate coil core (T103) and adjust signal pointer deflection.		
2.	Low-frequency range sensitivity adjustment	Same as step 1	Same as step 1	T104 (GE 10023)	Adjust for a maximum signal meter deflection at same tuning point as		
3.	Local oscillator trimmer adjust- ment	Same as step 1	AM SG: 1350kHz, 60dBμ	Tuning knob front end local oscil- lator trimmer	Align pointer with 1350kHz using rotate trimmer and set for a maxis pointer deflection.		
4.	High-frequency range sensitivity adjustment	Same as step 1	Same as step 3	Front end AM ANT trimmer	Adjust for a maximum signal meted deflection at step 3 tuning point.	er pointer	
5.	Sensitivity defference adjust- ment	Same as step 1	AM signal generator 600kHz, 1350kHz	Repeat steps		Scale deviation: less than ± 2.0mm for 600kHz, 1350kHz	
6.	Medium frequency range check	Same as step 1	AM SG: 950kHz	Tuning knob	Scale dev tion less ± 2mm		

#### 4. REC CAL OUTPUT VOLTAGE CHECK

Step	Adjustment item	Terminals to be connected	Instrument required	Adjustment location	Adjustment method	Rating
1	REC CAL output check	Output L or R	FC D,M O.S.C		Check that output is within specified range with 333±66Hz oscillation frequency.	–10 <sup>±</sup> 3dBm



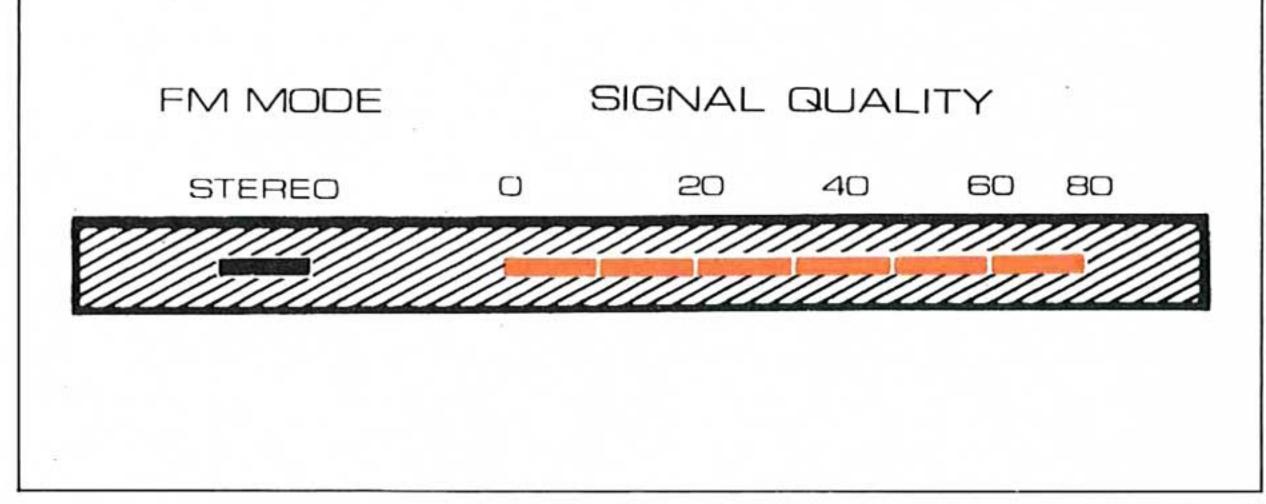
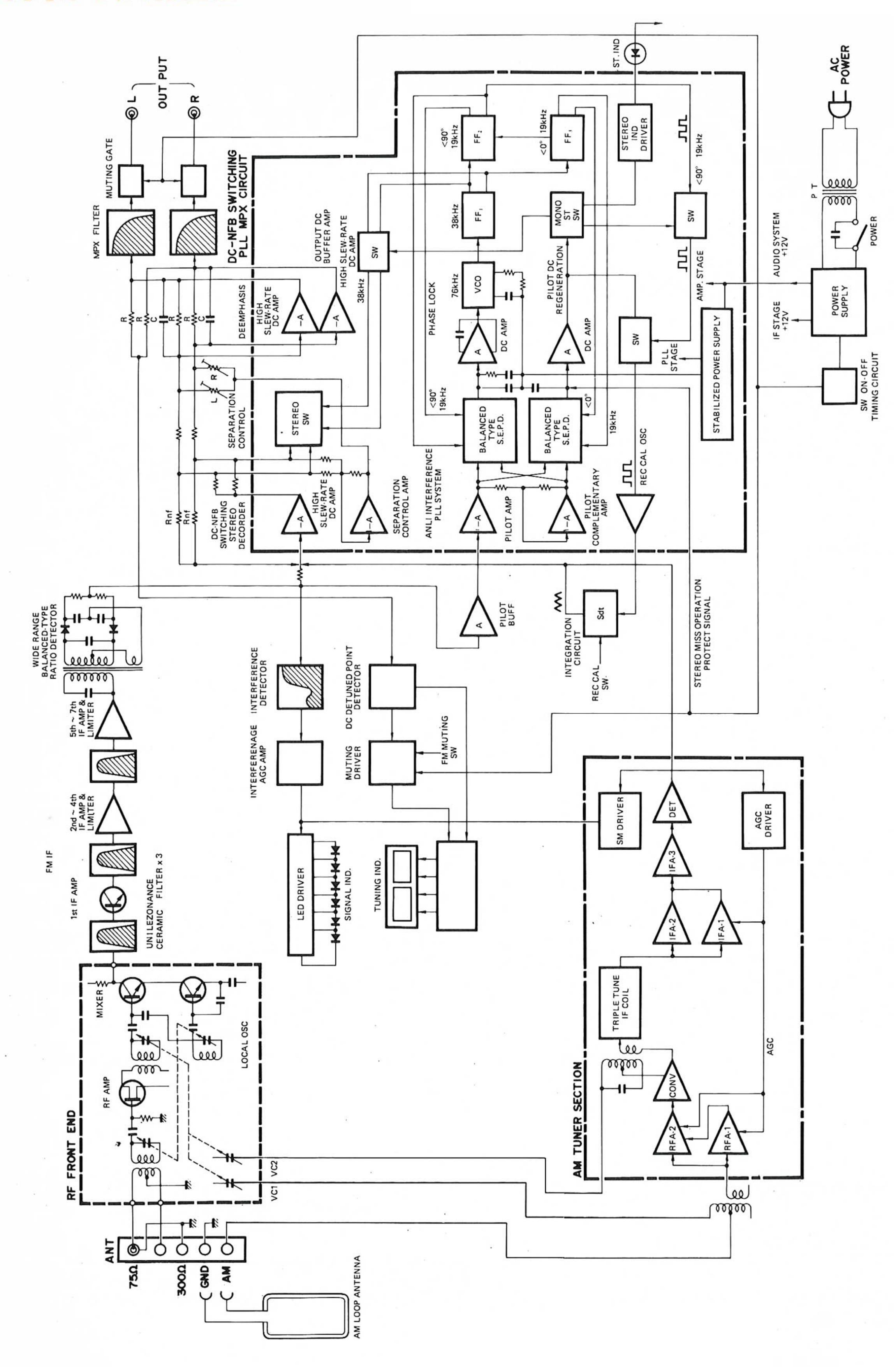



Fig. 1

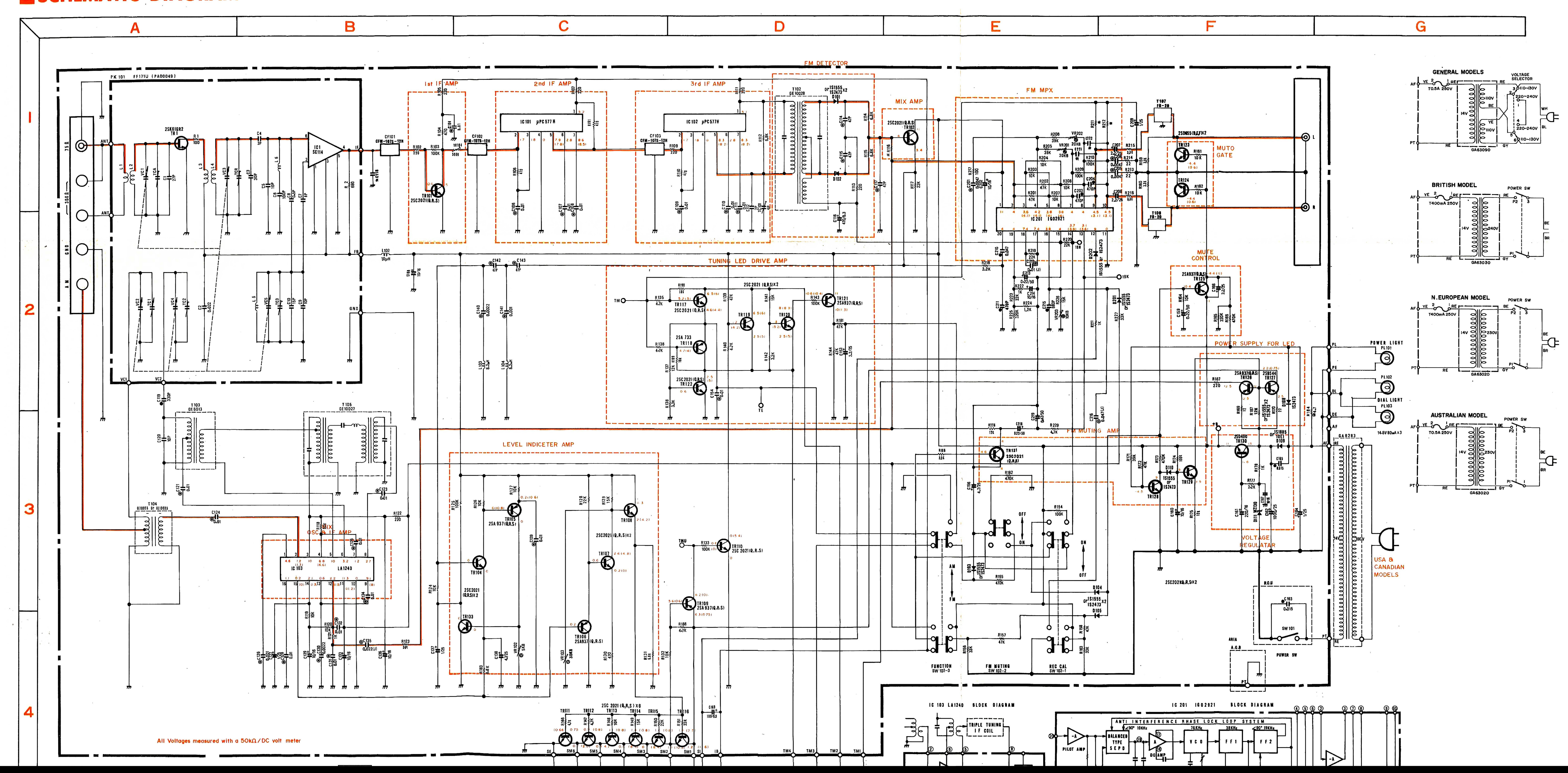
Fig. 2

## BLOCK DIAGRAM





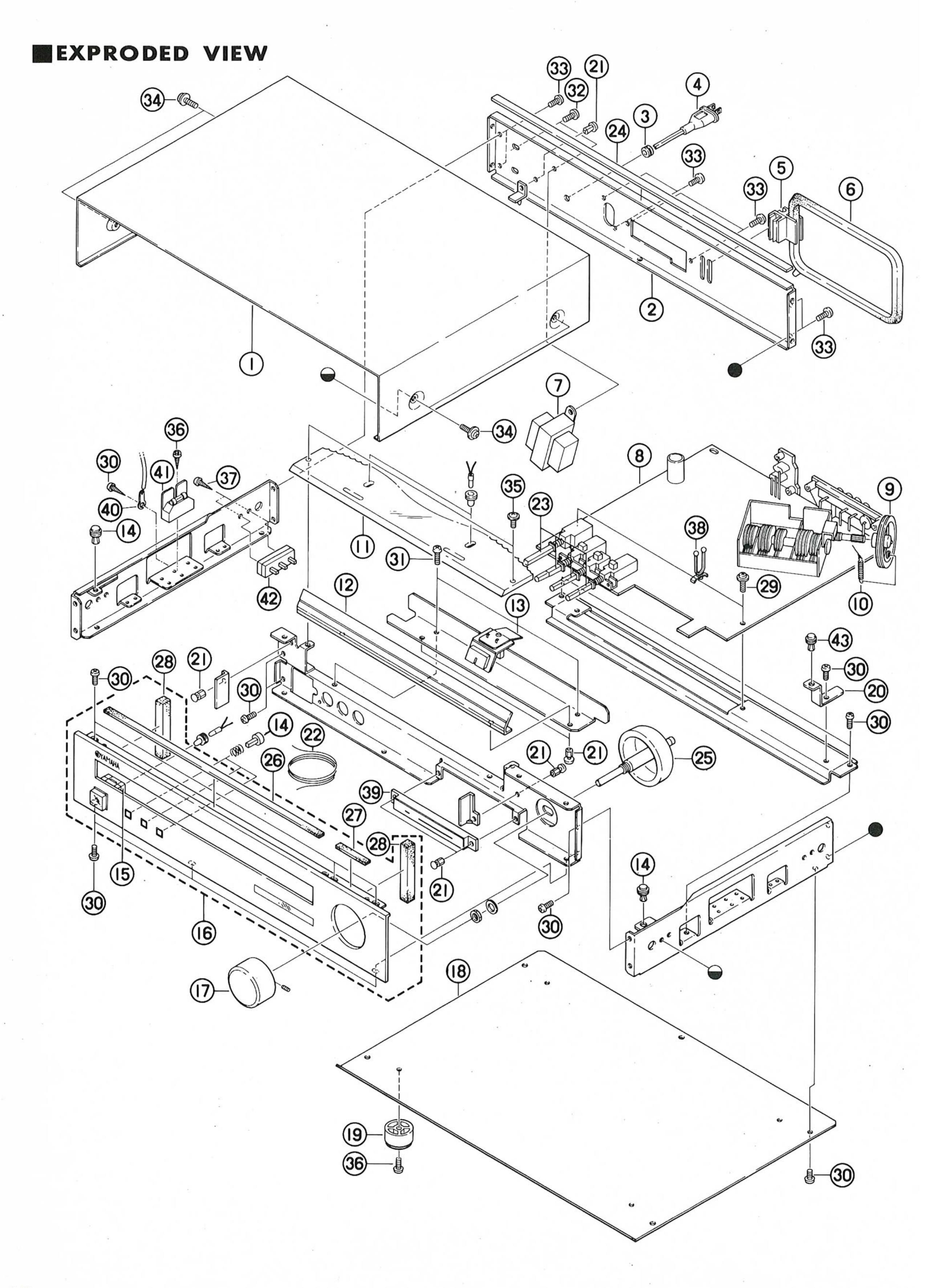
# SCHEMATIC DIAGRAM



# PARTS LIST

7-550





### PARTS LIST

#### **DESTINATION ABBREVIATIONS**

R : General G : North European A : Australian

U : USA B : British C : Canadian New Parts

Ref. No.	Part No.	Descripti	ion	(部 品 名)	Remarks	Common model	Markets
1	32,00,00 AA 09,79,40	Top Cover (B)		トップカバー			
2	32,00,00 AA 09,94,40	Rear Panel		リヤパネル			R
	32¦00¦00 AA ¦09 94 50	"		"			Ų,C
	32,00,00 AA 09,94,60	"		"			G
	32,00,00 AA 09,94,70	"		"			В
3	42,00,00 CB  06,86,30	Card Stopper	SR-3P-4	コードストッパー			U,C
	42,00,00 CB 07,27,50	"	SP-4N-4	"			R,A,G,B
4	42:00:00 MG 00:07:80	AC Cord	2m	電源コード(クロ)			R
	42,00,00 MG 00,08,40	"	2m	"(クロ)			U,C
	42,00,00 MG 00,08,60	"	2m	. " (ハイ)			G
	42,00,00 MG 00109,20	"	2.5m	<b>" (ハイ)</b>			Α
	32100 00 MZ 07 69 20	AC Cord (BS) Ass'y		BS用電源コードAss'y			В
5	32,00,00 CB 09,05,50	Antenna Holder		アンテナホルダー #9055			
6	42100100 Mi 106,83,40	Loop Antenna	70 x 144mm	ループアンテナ	.1		
	42,00,00 Mi 06,97,60	"	10.9μΗ	"	Interchangeable		
7	42.00.00 GA 163101100	Power Transformer		電源トランス			U,C
	42,00,00 GA 163,02,00	"		"			A,G
	42,00,00 GA 63,03,00			"			В
	42,00,00 GA 63,09,00			"			R
8	32100100 NA 07134190			チューナシート			R,U,C
	32,00,00 NA 07,35,00	"		"			A,B
	32,00,00 NA 07,35,10			"	Black Model		G
	32,00,00 NA 07,35,20			"			G
9	32 <sup>1</sup> 00 <sup>1</sup> 00 CB 108 <sup>1</sup> 90 <sup>1</sup> 60			バリコンプーリー			
10	32100100 AA 108198160			ダイヤルスプリング			
11	32,00,00 CB 09,25,30			ランプレンズ			
12	32,00,00 CB 109137170		(Silver)	ダイヤル目盛板(シルバー)		-	R,U,A,G,C,B
	32,00,00 CB 109,37,80		(Black)	<b>"</b> (ブラック)	Black Model		G
13	32,00,00 NB 09,16,50			ダイヤル指針ユニット			
14	32 <sup>1</sup> 00 <sup>1</sup> 00 NB 09 14 90			プッシュボタンAss'y			R,U,A,G,C,B
	32,00,00 NB 109,14,80			プッシュボタンAss'y	Black Model		G
15	32,00,00 NB 109114,30		(Orange)	プッシュボタンAss'y			R,U,AG,C,B
	32,00,00 NB 09,14,20	HIGH SAME CHARLES CO. CO. SHE SECTION STORES OF CHARLES	(Orange)	"	Black Model		G
16	32100,00 NB 109,30110		(Orango)	パネルユニット		-	R,A,G,B
	32,00,00 NB 109,30,20			"			U,C
	32,00100 NB 109,30,30			"	Black Model		G
17	32,00,00 BA 107,49,80		25	チューニングツマミ			R,U,A,G,C,B
	32,00,00 BA 07,50 80			"	Black Model	<del>                                     </del>	G
18	32,00,00 AA 09,86,10			ボトムカバー			
19	42:00:00 CB :07:28:70	CONTRACTOR (1994) 1994 (1994) 1994 (1994)		脚			
20	32,00,00 AA,09,79,20			滑車ホルダー			
21	42,00,00 CB 06,88,80			プラスチックリベット			
22	42 00 00 CB 107 70 70	A DESCRIPTION OF THE PERSON NAMED IN THE PERSO	φ0.39x2.0m	ダイヤル糸			
23	32 00 00 CB  07 70 70		φυ.υσχζ.υπ				
24	42,00,00 CB 07,58,90			延長ロッド			R,A,G,B
24	42,00100 CB 108,51180	_ 1, 18 th March 10 Annie 10 March 10 M		防振テープ			· U,C
OF.				# ->. # l			. 0,0
25	32,00,00 NB 109,15120			チューニングユニット			DACD
26	42 00 00 CB 07 98 80			防振テープ		-	R,A,G,B
27	42,00,00 CB 07,79,20			<i>"</i>			R,U,A,G,C,B
28	コオンロロロロロにお コロカラはこうひ	Shade Lane		海光テープ	1	1	

遮光テープ

鉄ブレザーワッシャーヘッドタッピンネジ

鉄バインドタッピンネジ

Shade Tape

B.W. Head Tapping Screw 3 x 8 ZMC2-Y

Bind Head Tapping Screw 3 x 8 ZMC2-Y

28

29

30

42100100 CB 107179 20

42 00 00 EZ 00 02 60

42,00,00 Ei 103,00,80

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common	
	40,00,00 5: .00,00	D: 111-1T:	A4 , 5 / 2 , 15 /2 , 18 2 , 1 2 2		model	
	42100100 Ei 33100180 42100100 ED 33100160		鉄バインドタッピンネジ			
32	42100100 ED 133100160 42100100 EZ 100104160	Bind Head Screw M3 x 6 ZMC2-BI	鉄バインド小ネジ			
	42100100 EZ 100104160 42100100 EZ 100106190		鉄ボンディングタッピンネジ			
34 35		B.W. Head Screw M4 x 8 FCM3-BI	鉄ブレザーワッシャーヘッド小ネジ			
	42,00,00 EK 03,50,20 42,00,00 EN 03,00,60	B.W. Head Tapping Screw 3 x 12 ZMC2-Y	鉄ブレザーワッシャーヘッドタッピンネジ			
37	<del>                                     </del>		鉄バインドタッピンネジ(2種)			
	42,00,00 ED 103,00,60	Bind Head Screw M3 x 6 ZMC2-Y	鉄バインド小ネジ			
	32 00 00 CB 08 84 90		コードクランパー			
39	42,00,00 iF 00,17,10	LED Meter LS-007ES  " LS-007ES	LEDメーター	Interchangeable		A,G,B,R,U,C
	42,00,00 iF 100,15,30	" LS-007ES	"	Dlask		A,G,B,R,U,C
40	42 00 00 LA 100 02 80		<i>"</i>	Black		<u>G</u>
			アースラグ			U,C
41	42 00 00 LB 20 12 10	Fuse Holder 1PFH	ヒューズホルダー			R,U,A,C
	42 00 00 LB 20 14 70		// - **** = 15			G,
42	42 00 00 LA 00 10 00	Lug Terminal CV-3P	ラグ端子板			U,C
	32 00 00 CB 09 28 90		滑車Ass'y			
44	42 00 00 KA 40 03 50		スライドSW	Voltage Selector SW		R
45	42100100 KA 180106190	Push Switch	プッシュSW	Power SW		A,G,B
	i i l l l					
57	1 1 1 1					
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		y#				
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**%** New Parts

							New Part
Ref. No.	Part No.	Descr	iption	(部品名)	Remarks	Common model	Markets
C104	42:00:00 Fi 17:41:00	Ceramic Cap.	0.01	セラコン円筒型			
C106 ~C111	42i00i00 Fi 17i41i00	"	0.01	"			
C112	42,00,00 FG 20,02,00	"	50V(F) 2P	セラコン			
C114 C115	42 00 00 Fi 17 14 70	"	47P	セラコン円筒型			
C116	42,00,00 FJ 11,84,70	Electrolytic Cap.	470/6.3	ケミコンタテ型			
C117	42 <sub>1</sub> 00 <sub>1</sub> 00 Fi 17 <sub>1</sub> 14 <sub>1</sub> 70	Ceramic Cap.	47P	セラコン円筒型			
C118	42,00,00 FG i21,06,00	"	50V(K) 6P	セラコン			G
C119	42,00,00 FS 25,23,30	SA Cap.	50V(J) 330P	SAコンフォーミング			
C120	42 00 00 FG 21 11 00	Ceramic Cap.	50V(K) 10P	セラコン			
C121	42100100 Fi 17 41 00	"	0.01	セラコン円筒型			
C123 ~C125	42 00 00 Fi 17 41 00	"	0.01	"			
C126	42,00,00 Fi 17,31,00	Ceramic Cap.	0.001	"			
C127	42'00'00 FJ 24'61'00	Electrolytic Cap.	1/25	ケミコンタテ型			
C128	42:00:00 Fi 17,41100	Ceramic Cap.	0.01	セラコン円筒型			
C129	42100100 FJ 33 71 00	Electrolytic Cap.	10/16	ケミコンタテ型			
C130	42 00 00 Fi 17 32 20		0.0022	セラコン円筒型			
C131 C132	42,00,00 Fi 17,41,00		0.01	<u>レノコン门间型</u>			
C133	42'00'00 FJ '33'71'00		10/16	ケミコンタテ型			
C134	42,00,00 Fi 17,41,00	Ceramic Cap.	0.01	セラコン円筒型			
C135	42,00,00 FA 15,42,20	Mylar Cap.	50VMS(J) 0.022				
C136	42 <sup>1</sup> 00 <sup>1</sup> 00 FJ 33 <sup>1</sup> 71 <sup>1</sup> 00	Electrolytic Cap.	10/16	ケミコンタテ型			
C137	42i00i00 FJ 24i61i00	Electrolytic Cap.	1/25	ノマコンノ文型			
C138	42i00i00 FJ  24 64 70	Electrolytic Cap.	4.7/25	"			
C139	42,00,00 Fi 17,41,00	Ceramic Cap.	0.01	セラコン円筒型			
C140	42 <sup>1</sup> 00 <sup>1</sup> 00 Fi 17 <sup>1</sup> 32 <sup>1</sup> 20	"	0.0022	し ノコン I JiPJ主			
C141	42'00'00 Fi 17'31'00	"	0.0022	"			
C141	42 00 00 Fi  17 31 00 42 00 00 Fi  17 14 70	,,	47P	"			
C143 C153	42,00,00 FJ 124 62 20	Electrolytic Con		ケミコンタテ型			
	42,00,00 Fi 117,41,00	Electrolytic Cap.	2.2/25	Se seattle to see see a			
	42¦90¦00 FJ  24 64 70		0.01	セラコン円筒型			
		Electrolytic Cap.	4.7/25	ケミコンタテ型			
23-9381 24-21A	42'00'00 FJ  26'52'20		0.22/50				
	42 00 00 FJ  33 71 00		10/16	"			
	42,00,00 FJ 123182,20		220/16	"			
	42'00'00 FJ 24'91'00		1000/25				
C163	42 00 00 FS  21 41 50	SBL Cap.	50V(K) 0.015	SBLコンフォーミング			R,U,C
	42 00 00 FJ 24 61 100		1/25	ケミコンタテ型			
Washington and State of the Sta	42 00 00 FS   21 41 50		50V(K) 0.015	SBLコンフォーミング			
	42 00 00 FJ  24 62 20	Electrolytic Cap.	2.2/25	ケミコンタテ型			
C100	42 00 00 FJ 33 71 00		10/16	"			
	42 00 00 FJ 11 81 00	"	100/6.3	"			
	42100 00 Fi 117134 70		0.0047	セラコン円筒型			
	42 00 00 FJ 33 71 00	Electrolytic Cap.	10/16	ケミコンタテ型			
C204	42 00 00 FS 25 24 70	SA Cap.	50V(J) 470P	SAコンフォーミング			
C205 C206	42 00 00 Fi 17 34 70	Ceramic Cap.	0.0047	セラコン円筒型			
C208	42 00 00 FJ 24 62 20	Electrolytic	2.2/25	ケミコンタテ型			
SECTION SECTOR	42 00 00 FJ 24 61 00	"	1/25	"			
	42 00 00 FS 23 44 70		50V(K) 0.047	SBLコンフォーミング			
C211	42 00 00 FS 25 24 70	SA Cap.	50V(J) 470P	SAコンフォーミング	M		
C212	42 00 00 Fi 17 41 00	Ceramic Cap.	0.01	セラコン円筒型			
C213	42 00 00 FJ 26 52 20	Electrolytic Cap.	0.22/50	ケミコンタテ型			
C214	42 00 00 FJ 33 71 00	"	10/16	"			
C21E	42 00 00 FS 25 26 80	SA Cap.	50V 680P	SAコンフォーミング			
C215						•	

Ref. No.	Part No.	De	escription	(部 品 名)	Remarks	Common model	Markets
C218	42,00,00 FJ 26,52,20	Electrolytic Cap.	0.22/50	ケミコンタテ型			
219	42100100 FJ 116154170	"	0.47/50	- //			
221	42100100 FS 125122170	SA Cap.	50V(J) 270P	SAコンフォーミング			
C101	42,00,00 FY 100,00,90	9.	OTY112A 4P	トリマーコン			
ГС102	42i00i00 GE 10i02i80	FM DISCR. Coil	GE10028	FMデスクリマイル			
TC103	42,00,00 GE 10,01,50	AM OSC Coil	GE6013	AM OSCコイル			
TC104	42,00,00 GE 110,02,30	AM ANT. Coil	GE10023 .	AM ANTコイル	Interchangeable		
	42,00,00 GE 10,03,50	My 150 160 160 150 150 150 150 150 150 150 150 150 15	GE10035	AM ANTコイル	-		
TC105	<del>                                     </del>		GE10027	AM IFコイル			
TC107 TC108	42100100 GE 20102140		FB-20	MPXフィルタ			
L102	42,00,00 GE 30,02,40	Inductor	10μH	円筒形インダクター			
L103	42,00,00 GE 30,02,40		8.2mH	RFインダクター			
L104 CF101	42 00 00 GG 00 04 10		CFM-107S-12H	セラミックフィルター			
CF101 ~ CF103 R102	42:00:00 HK 35:52120		RD25 SM-8 220K	カーボン抵抗			
R102	42100100 HK 35,52120 42100100 HK 35,81,00	", resistor	" 100K	カーホッ 強が			
R103	42100100 HK 35,81,00 42,00,00 HK 35,54,70		" 470	"			
	+		470	"			
R105	42 00 00 HK 35 52 20		220	"	747		
R106	42'00'00 HK 35i54i70		470	"			
R107	42i00i00 HK i35i52i20		220	"			
R109	42 00 00 HK 35 52 20		220				
R110	42 00 00 HK 35 54 70		" 470	"			
R111	42i00i00 HK 35 52i20	"	" 220	"			
R112	42100100 HK 35 66 80		" 6.8K	"			
R113	42,00,00 HK 35,52,20		" 220	"			
R114 R115	42 00 00 HK 35 66 80	"	" 6.8K	"			
R116	42'00'00 HK 15171120	"	. 12K	"			
R117	42100100 HK 35 72 20	"	" 22K	"			
R118	42,00,00 HK 35,62,20	,,	" 2.2K	"			
R119 R120	42,00,00 HK 35,71,00	"	" 10K	"			
R121	42¦00¦00 HK 35¦61¦00	,,	" 1K	"			
R122	42'00'00 HK 35'52 20	"	" 220	"		4	
R123	42100100 HK 35,75160	"	" 56K	"			
R124	42,00,00 HK 35,71,00	"	" 10K	"			
R125	42,00,00 HK 35,81,00	"	" WUK	"			
R126 R127	42100 00 HK 35 71 00	"	" 10K	"			
R128	42 00 00 HK 35 72 20	"	" 22K	"			
R129	42,00 00 HK  35,71,50	,,	" 15K	"			
R130	42100100 HK 135154 70	"	" 470	"			
R131	42,00,00 HK 35,71,80	•	" 6.8K	"			
R132	42,00,00 HK 35,71,00	"	" 10K	"			
R133	42100,00 HK 35181,00	"	" 100K	"			
R135	42 <sub>1</sub> 00 <sub>1</sub> 00 HK 35 <sub>1</sub> 64 <sub>1</sub> 70	,,	" 4.7K	"			
R136 R137	42,00100 HK 15,71,20	"	" 12K	"			
R138	42 00 00 HK 35 63 30	"	" 3.3K	"			
R139	42100 00 HK 35 74 70		" 47K	"			
R140	42100100 HK 35164170		" 4.7K	"			
R141	42,00100 HK 35,71,50		" 15K	"			
R142	42,00,00 HK 35,62,20		" 2.2K				
R143	42,00,00 HK 35,81,00		" 100K				
R144	42 00 00 HK 35 74 70		" 47K	"			
			4/K	"			
R146 R147	42:00:00 HK 35:64:70		4.71	222			
R148	42i00i00 HK 35i71i00		TUK				
R149	42,00,00 HK 35,71,50	"	" 15K	"			

New Parts

						*		New Parts
Ref. No.	Part No.	, D	escription		(部 品 名)	Remarks	Common model	Markets
R150	42i00i00 HK 35 72i20	Carbon Resistor	RD25 SM-8	470	カーボン抵抗			
R151	42100100 HK 135173130	"	"	33K	"			
R154	42100100 HK 35 81 00	"	,,	100K	"			
	42,00,00 HK 35,84,70	"	"	470K	"			
	42,00,00 HK 35,73,30	"	,,	33K	"			
R157	42,00,00 HK 35,74,70	"	"	47K	"			*:
H150	42,00,00 HK  35,63,30	,,	"	3.3K	"			
R161	42,00,00 HK 35,71,00	"	•	10K	"			
R162 R163	42'00'00 HK 35'73'30	"	"	33K	"			
	42100100 HK 35171100	"		10K	"			
	42,00,00 HK 35,82,20	,,		220K	"			
	42,00,00 HK 35,82,20 42,00,00 HK 35,84,70		•		"			
	<del>                                     </del>	,,	. ,,	470K				
	42 00 00 HK  35 52 20			220	<i>"</i>			
R169	42,00,00 HJ 35,41 20			12	<i>"</i>			
R170	42100100 HK 35 42 20			22	"			*
R171	42 00 00 HK  35 73 90			39K	"			
R172	42,00,00 HK 35,74,70			47K	"			
R173	42 00 00 HK 35 84 70			470K	"	25 N		
R174	42i00i00 HK i35 81 00		***	100K	"			
R175	42 00 00 HK 15 71 20	"		12K	"			
R177	42 00 00 HK 35 62 20	"	"	2.2K	"			
R178	42,00,00 HK 35,61,00		"	1K -	"			
R181	42,00,00 HK 35,74,70	"	"	47K	"			
R182	42,00,00 HK 35,84,70	"	,,	470K	"			
R183	42 00 00 HK  35 66 80	"	"	6.8K	"			
R184	42100100 HV 35 34 70	"	"	4.7	"			
	42 00 00 HK 35 64 70	"	• • • • • • • • • • • • • • • • • • • •	4.7	"			
	42,00,00 HK 35 61 20	"	,,	1.2K	"			
District Reserve	42,00,00 HK 35,73,30	"	"	33K	"			
R189	42'00'00 HK 35,71,80	"	"	18K	"			
R190 R191	42 <sup>1</sup> 00 <sup>1</sup> 00 HK 35 <sup>1</sup> 54 <sup>1</sup> 70	,,	"	470	"			
R201	42 <sub>1</sub> 00 <sub>1</sub> 00 HK <sup>1</sup> 35 <sup>1</sup> 74 <sub>1</sub> 70		"	47K	1000			
R202 R203	42,00,00 HK 35171,00	,,	,,	10K	"			
R204 R205	42'00'00 HK 35,73,90		,,	39K		-		
R206 R209					. "			
R210 R211	42100 00 HK 35 81 00			100K	"			
R212	42 00 00 HK 35 71 100			10K	//			
R215 R216	42 00 00 HK 35 63 30		·	3.3K				
R217	42 00 00 HK 35 51 00			100	"			
	42,00,00 HK 35,62,20			2.2K	"			
R219 R220	42,00,00 HK 35,72,20			22K	"			
R221 R222	42'00'00 HK 35'61'00			1K	"			
R223	42,00,00 HK 35,72,20	"		22K	"			
R224	42 00 00 HK 35 61 20	"		1.2K	"			
R225	42 00 00 HK 35 82 20	***	"	220K	"			
R226	42100 00 HK 35 71 50	.,	. "	15K	"			
R227	42 00 00 HK 35 73 30	"	"	33K	. "			
R228	42 00 00 HK 15 71 20	"	"	12K	"			
R229	42,00100 HK 135,64170	"	"	4.7K	"			
	42,00,00 HT 17,00,50	Semi-Fixed Variable	Resistor V8K4	200000000000000000000000000000000000000	半固定抵抗			
T. 75 SHOWARD SERVICES.	42 00 00 HT 17 00 90		"	B30K	"			
	42'00'00 HT 17'00'40	"		B500	"			
U VA MADESTREDRESHED	42100100 HT 17100180	"		B20K	"			
VR201 VR202	42100100 HT 17100120	- 11	•	B10K	"			
VR203	42,00,00   17,00,20			DIUK				

Ref.		D-	ırt N	<u> </u>		Dr	escription	13:	(部 品	<b>名</b> )	Remarks	Common	
No.				o. 			3011011			ъ-		model	
R101 TR104	42 0	000	iC	20 2	21 80	Transistor	2SC2021	Q,R,S	トランジスタ				
R105 R106	420	0,00	iΑ	09	37¦00	***	2SA937	"	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
D407	42¦0	0,00	iC	20,2	21 80	"	2SC2021	"	"				
R109	42¦0	0 <mark>,</mark> 00	iA	0913	37¦00	**	2SA937	"	"				
R110 TR117	42 0	0¦00	iC	20!2	21,80	"	2SC2021	"	"				
TR118			for Es W	07!3	33¦00	"	2SA733A	K,P,Q,R	"				
TD110	42 0	+		+	21,80		2SC2021	Q,R,S	"				
ΓR121		_		-	37100		2SA937	"	. "				
TR122		1		1	21180		2SC2021	"	"				
TR123	4210	+		1	55¦00		2SD655	D,E,F	"				
TR125	42,0	-		+ +	37¦00	100ega	2SA937	Q,R,S	. ,,		-		
ΓR126	-	_		-	44¦00		2SB544	4,11,0	',,			<del>                                     </del>	
	-	<del>- i</del>		-				OBC					
TR129	4210			<del></del>	21¦80	The state of the s	2SC2021	Q,R,S					
ΓR130	$\vdash$			!!	00 00		2SD400	0.00	"				
ΓR131					21¦80		2SC2021	Q,R,S	<i>"</i>		100		
~D105	42¦0	_!	2.00	$\vdash$	00 40		1S1555		ダイオード		Interchangeable		
a et a cantaire de	42¦0			1 1	06 70		1S2473						
Charles States	1			1	02 40		1S1885		"		Interchangeable		
	<u> </u>			<del>: :</del>	05¦90		10E1		"		,		
0110	42¦0	0¦00	iF	00'0	00¦40	"	1S1555		. "				
D111	42 0	000	iF	00	03 50	Zener Diode	WZ130		ツェナーダイオ	· — ド			
D112	42 0	000	iF	100	14¦80	LED Pointer	LS-003E	,	LED指針				
0201 0202	42 0	000	iF	00	00 40	Diode	1S1555		ダイオード		96		
0404	42 0	000	iG	00 0	03¦90	IC	μPC577H		I C				
	42 0	0,00	iG	031	17 <sup>1</sup> 00	"	LA1240		11				
C201	4210	000	iG	0219	92,10	"	LA3380		"				
	42 0	-		-	06,80		14.5	V 80mA	パイロットラン	プリードポ			
PL102				1	07 70			"	"	· / 1 20			
SW101				1					プッシュスイッ	チ単連		1	R,U,C
SW102									"	3連			,-,-
	-				10 10		T5526-B		ピンジャック			<u> </u>	
Contract the Charles				1 1	04 90		FF171u12		フロントエンド	*			
				1 1	1		FF171u12					-	
				1 - 1	27 70			5P	アンテナ端子林	X	-		
				1	12¦90		0.4.00	#9780	基板ホルダー				
	1			1 1	78¦20		UL2468	ALEMAN STAY NELSON - DECI	リボンワイヤ-				
		192540		1 .	81  20			5P ℓ = 150	"				
		1		1 1	96 ¦20		Pointer)	4P l = 400	リボンワイヤ-	***************************************			
	32 0	00,00	СВ	09	29¦10	Clip		#9291	ケーブルクリ	ップ			
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